

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053070.D
 Acq On : 20 Dec 2018 21:42
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 11:31:25 AM

Quant Time: Dec 21 02:43:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1108520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1716393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1451398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	625343	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	584351	51.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.90%	
35) Dibromofluoromethane	7.59	113	463242	59.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.16%	
50) Toluene-d8	10.09	98	2087287	49.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	679845	46.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	520922	46.432	ug/l	100
3) Chloromethane	2.06	50	603531	44.393	ug/l	100
4) Vinyl Chloride	2.19	62	665330	48.322	ug/l	100
5) Bromomethane	2.57	94	430001	45.076	ug/l	98
6) Chloroethane	2.71	64	394658	48.397	ug/l	99
7) Trichlorofluoromethane	3.03	101	867960	50.603	ug/l	99
8) Diethyl Ether	3.41	74	336747	52.041	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	545425	49.873	ug/l	98
10) Methyl Iodide	3.96	142	769351	50.094	ug/l	99
11) Tert butyl alcohol	4.78	59	165434	241.019	ug/l	99
12) 1,1-Dichloroethene	3.74	96	531504	50.305	ug/l	99
13) Acrolein	3.61	56	199983	321.320	ug/l	100
14) Allyl chloride	4.33	41	878300	53.666	ug/l	95
15) Acrylonitrile	4.99	53	967944	253.837	ug/l	99
16) Acetone	3.82	43	590769	267.844	ug/l	96
17) Carbon Disulfide	4.06	76	1498500	43.489	ug/l	99
18) Methyl Acetate	4.33	43	513323	51.251	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1486770	52.583	ug/l	99
20) Methylene Chloride	4.56	84	595342	49.482	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	565038	49.775	ug/l	98
22) Diisopropyl ether	5.95	45	1864945	53.386	ug/l	98
23) Vinyl Acetate	5.90	43	5332682	265.471	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1083509	52.197	ug/l	99
25) 2-Butanone	6.83	43	1008289	272.391	ug/l	99
26) 2,2-Dichloropropane	6.83	77	758581	47.872	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	664844	51.733	ug/l	98
28) Bromochloromethane	7.20	49	469325	52.177	ug/l	95
29) Tetrahydrofuran	7.21	42	709396	256.598	ug/l	98
30) Chloroform	7.37	83	1053462	51.661	ug/l	100
31) Cyclohexane	7.66	56	978707	50.276	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	885030	50.948	ug/l	99
36) 1,1-Dichloropropene	7.80	75	813963	49.408	ug/l	100
37) Ethyl Acetate	6.93	43	478701	52.051	ug/l	98
38) Carbon Tetrachloride	7.78	117	756917	50.126	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	938541	46.896	ug/l	98
40) Benzene	8.04	78	2476726	50.542	ug/l	99
41) Methacrylonitrile	7.17	41	284431	53.526	ug/l	95
42) 1,2-Dichloroethane	8.13	62	728806	50.345	ug/l	99
43) Isopropyl Acetate	8.16	43	904977	50.867	ug/l	98
44) Trichloroethene	8.84	130	681836	48.106	ug/l	97
45) 1,2-Dichloropropane	9.12	63	653667	51.213	ug/l	100
46) Dibromomethane	9.21	93	369859	49.742	ug/l	99
47) Bromodichloromethane	9.40	83	798786	50.539	ug/l	99
48) Methyl methacrylate	9.20	41	451515	50.594	ug/l	99
49) 1,4-Dioxane	9.20	88	95766	848.322	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	2301408	258.399	ug/l	99
52) Toluene	10.16	92	1493849	49.183	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	800090	48.140	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	946855	49.633	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	531083	50.120	ug/l	100
56) Ethyl methacrylate	10.43	69	713954	50.905	ug/l	97
57) 1,3-Dichloropropane	10.71	76	914740	50.341	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1985505	257.865	ug/l	98
59) 2-Hexanone	10.75	43	1509158	250.445	ug/l	99
60) Dibromochloromethane	10.90	129	589144	48.572	ug/l	99
61) 1,2-Dibromoethane	11.01	107	528176	49.079	ug/l	99
64) Tetrachloroethene	10.63	164	762908	48.525	ug/l	98
65) Chlorobenzene	11.43	112	1599954	49.729	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	584022	52.200	ug/l	100
67) Ethyl Benzene	11.51	91	2764294	49.960	ug/l	99
68) m/p-Xylenes	11.62	106	2056329	97.762	ug/l	100
69) o-Xylene	11.95	106	1007698	49.926	ug/l	100
70) Styrene	11.96	104	1649475	50.118	ug/l	99
71) Bromoform	12.13	173	383236	47.415	ug/l #	100
73) Isopropylbenzene	12.25	105	2659409	54.354	ug/l	100
74) N-amyl acetate	12.07	43	758049	55.804	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	544228	56.697	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	482328m	45.818	ug/l	
77) Bromobenzene	12.53	156	668445	52.557	ug/l	98
78) n-propylbenzene	12.59	91	2929783	52.577	ug/l	99
79) 2-Chlorotoluene	12.67	91	1727927	50.026	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2045633	51.294	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	164320	50.311	ug/l	98
82) 4-Chlorotoluene	12.77	91	1740331	51.471	ug/l	100
83) tert-Butylbenzene	12.99	119	1803303	51.128	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2059916	51.381	ug/l	99
85) sec-Butylbenzene	13.17	105	2371485	49.710	ug/l	99
86) p-Isopropyltoluene	13.29	119	2038342	49.447	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1108604	49.249	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1096624	48.107	ug/l	100
89) n-Butylbenzene	13.62	91	1636459	46.144	ug/l	100
90) Hexachloroethane	13.88	117	311383	49.223	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1045117	49.332	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77947	46.964	ug/l	97

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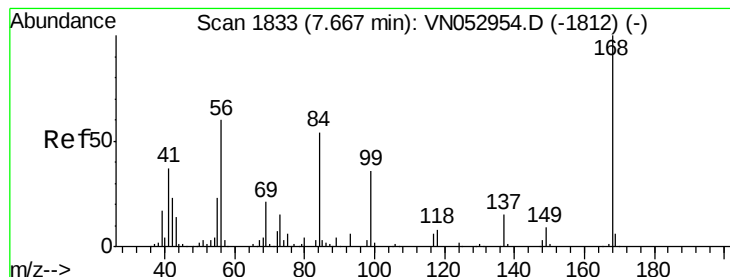
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	533802	47.588	ug/l	99
94) Hexachlorobutadiene	15.01	225	298220	51.395	ug/l	99
95) Naphthalene	15.13	128	1143505	46.589	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	479587	47.475	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1108520

Ion Ratio Lower Upper

168 100

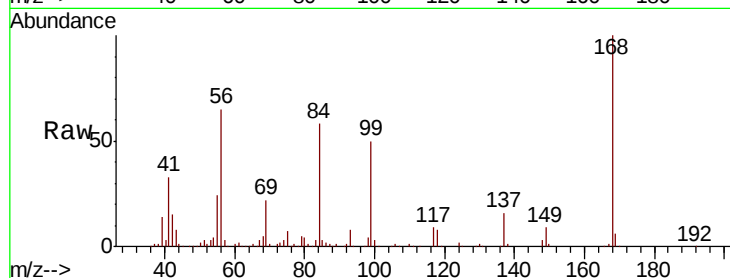
99 49.5 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

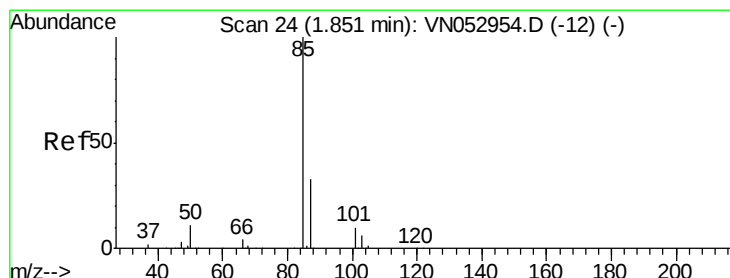
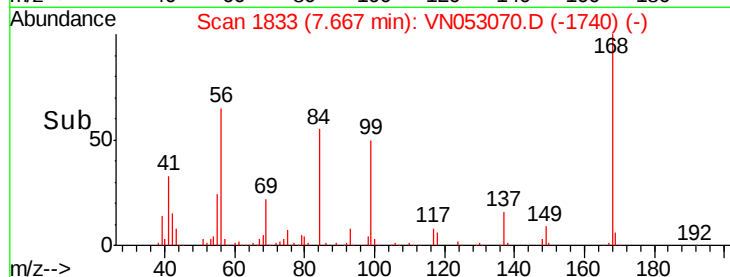
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.432 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053070.D

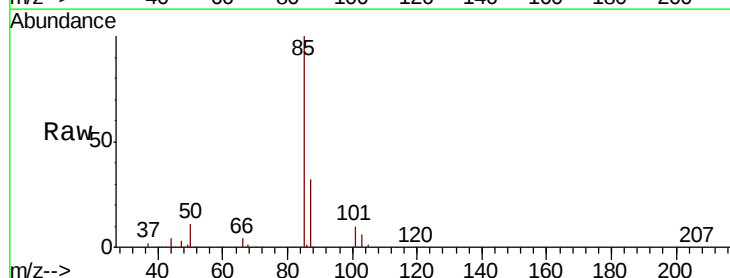
Acq: 20 Dec 2018 21:42

Tgt Ion: 85 Resp: 520922

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

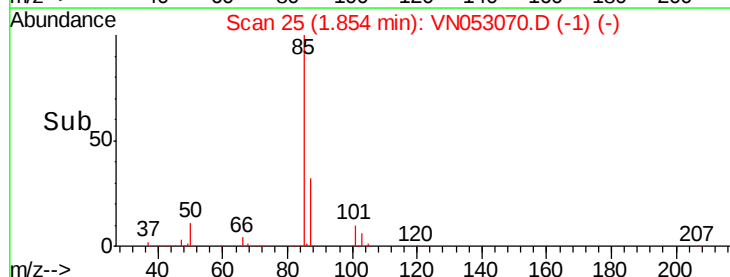
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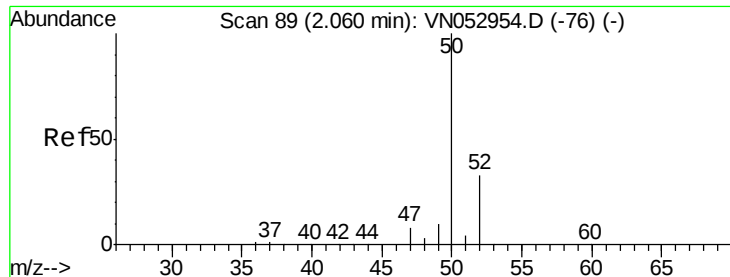
200000

100000

0

Time-->





#3

Chloromethane

Concen: 44.393 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 603531

Ion Ratio Lower Upper

50 100

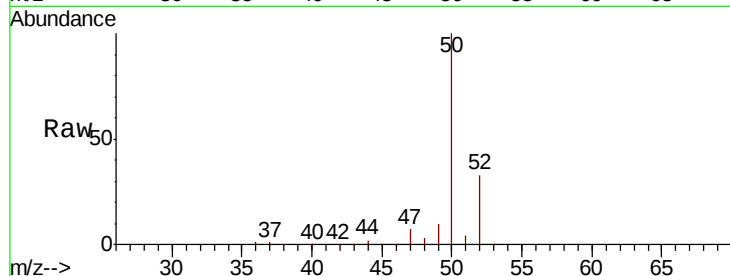
52 32.8 26.2 39.4

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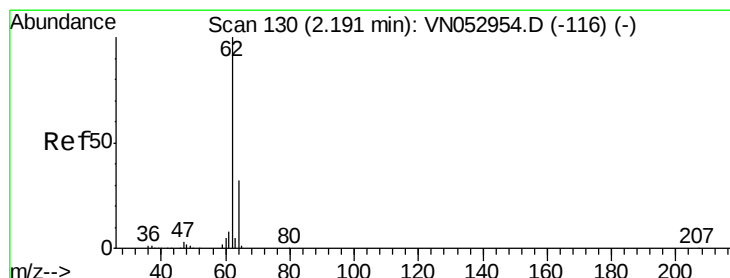
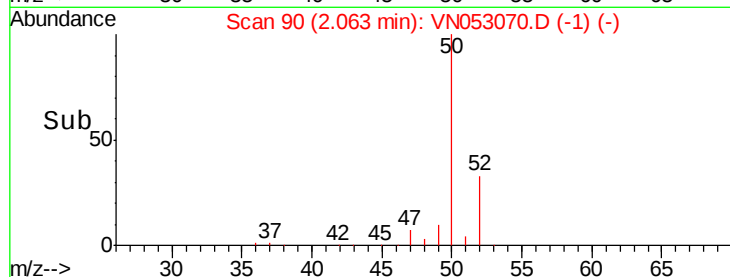
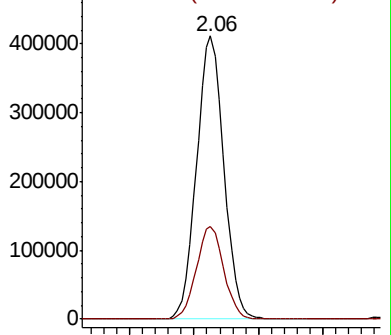
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 48.322 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053070.D

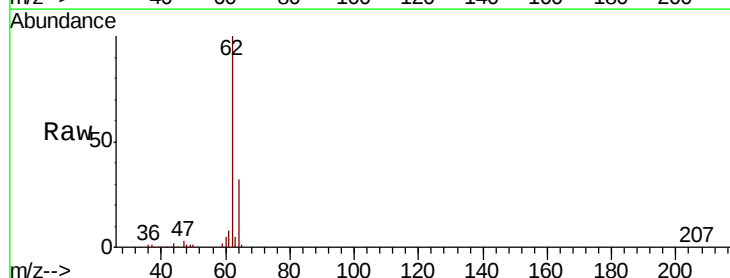
Acq: 20 Dec 2018 21:42

Tgt Ion: 62 Resp: 665330

Ion Ratio Lower Upper

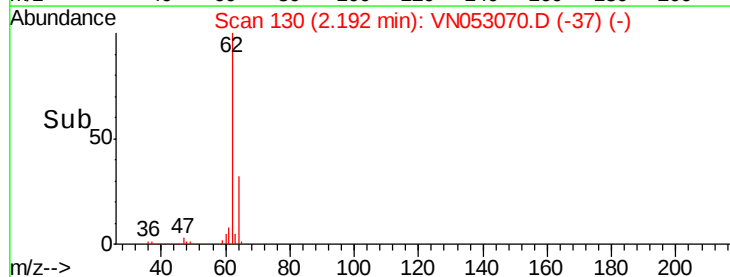
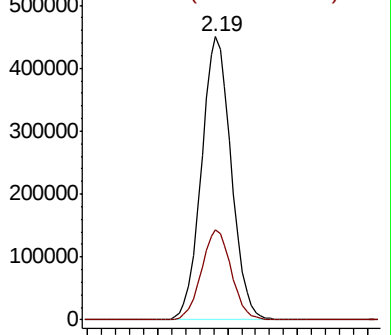
62 100

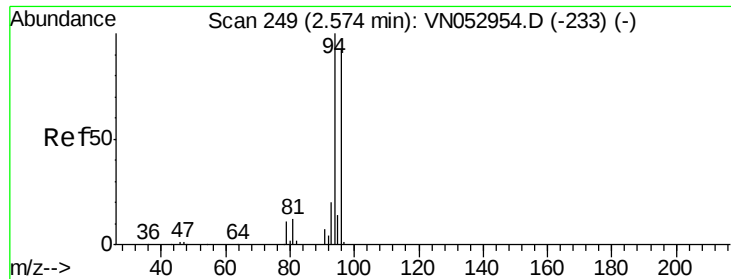
64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 45.076 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

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VSTDCCC050

Tot Ion: 94 Resp: 430001

Ion Ratio Lower Upper

94 100

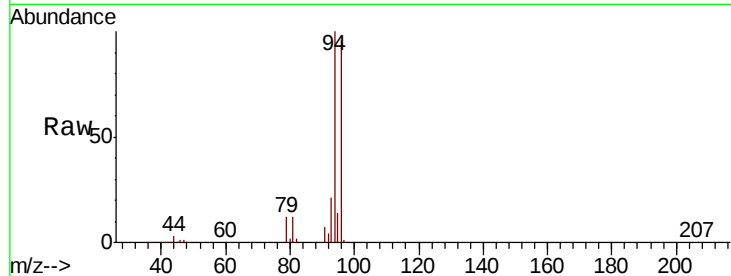
96 95.9 75.0 112.4

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

250000

200000

150000

100000

50000

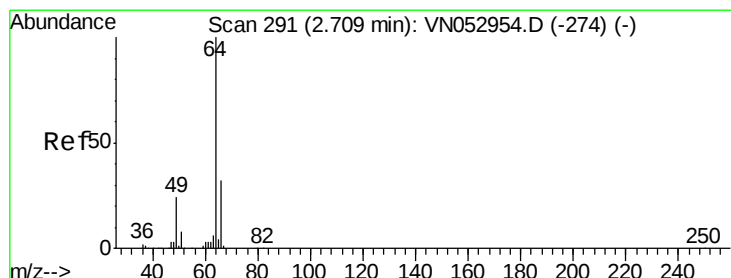
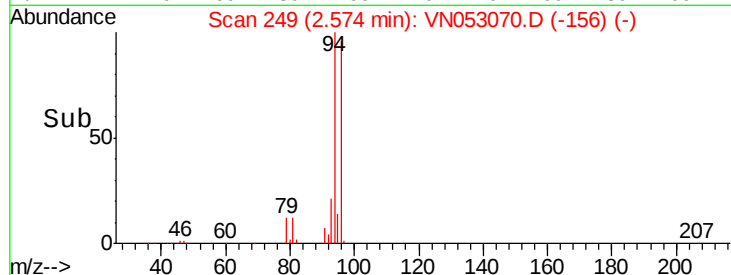
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2.50

2.60

2.70

Time-->



#6

Chloroethane

Concen: 48.397 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053070.D

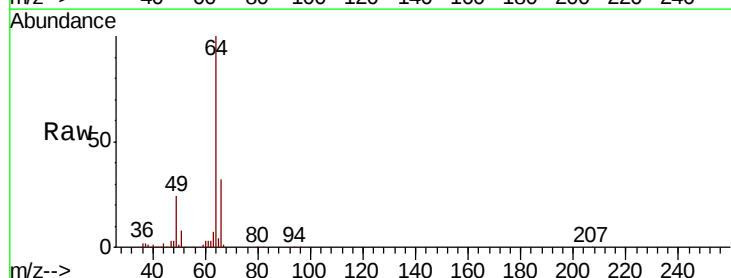
Acq: 20 Dec 2018 21:42

Tgt Ion: 64 Resp: 394658

Ion Ratio Lower Upper

64 100

66 32.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

200000

150000

100000

50000

0

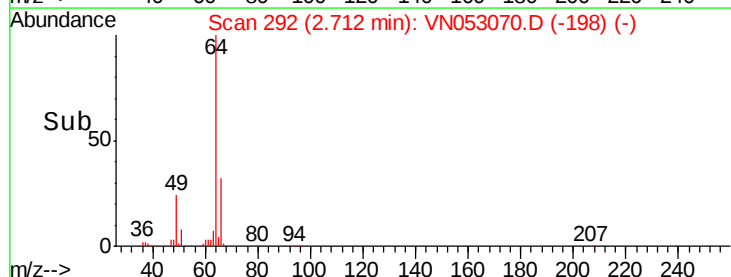
2.65

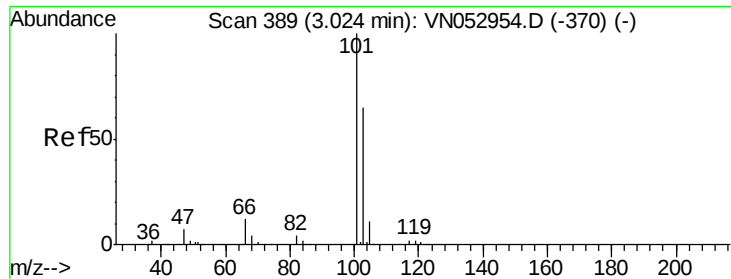
2.70

2.75

2.80

Time-->





#7

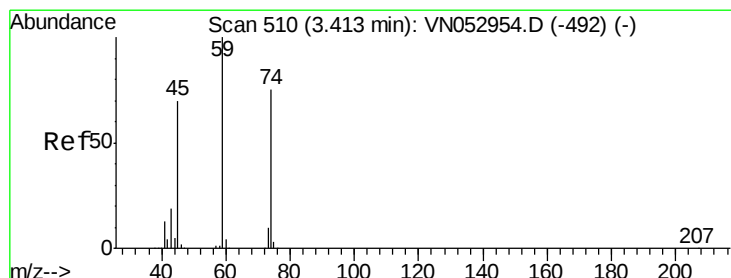
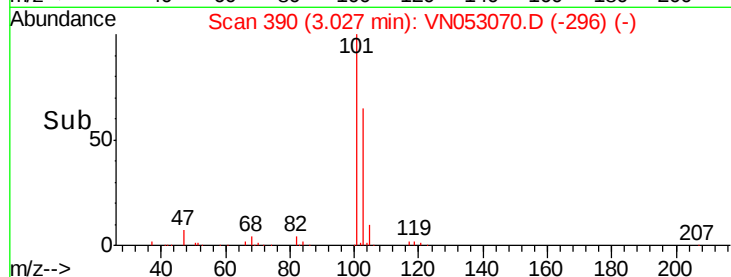
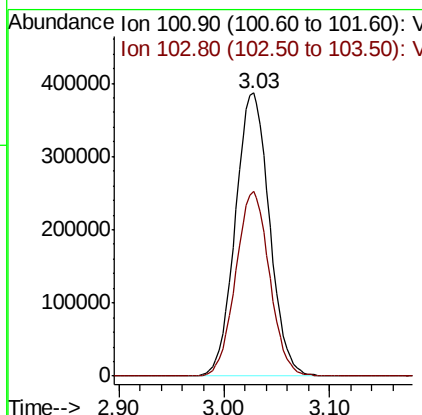
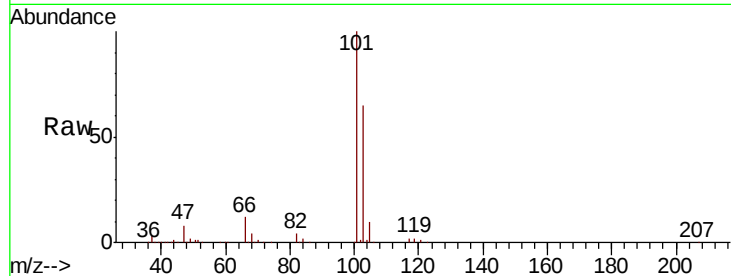
Trichlorofluoromethane
 Concen: 50.603 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053070.D
 Acq: 20 Dec 2018 21:42

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		867960		
103	65.1	51.8	77.6		

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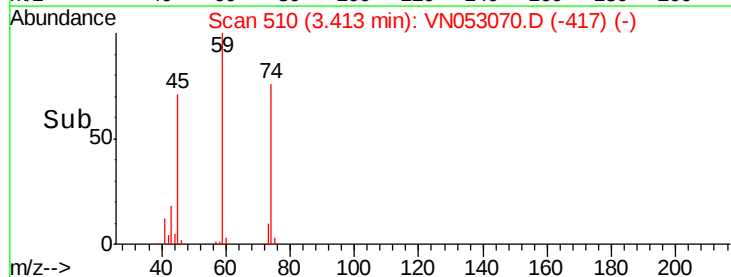
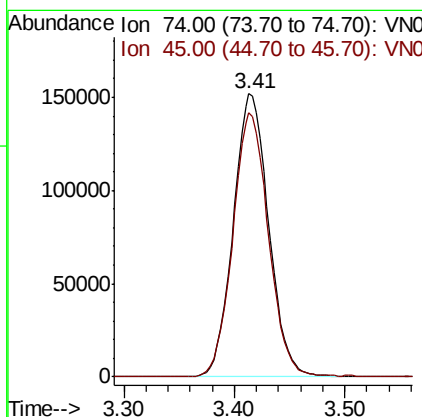
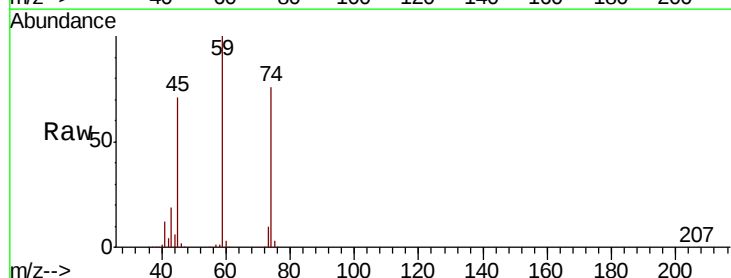
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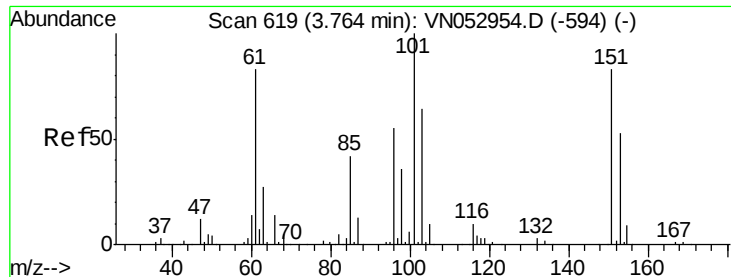


#8

Diethyl Ether
 Concen: 52.041 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053070.D
 Acq: 20 Dec 2018 21:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		336747		
45	93.5	49.4	148.0		





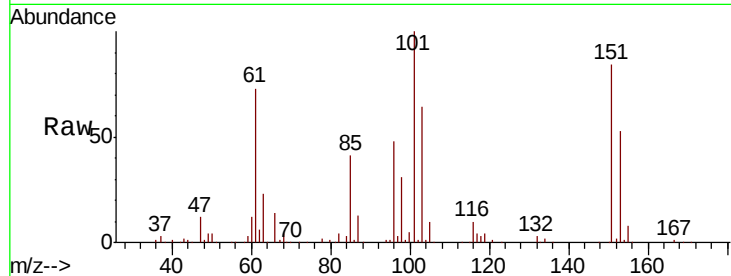
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.873 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN053070.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	41.7	33.6	50.4
151	85.0	65.5	98.3

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 12/21/2018 11:31:25 AM

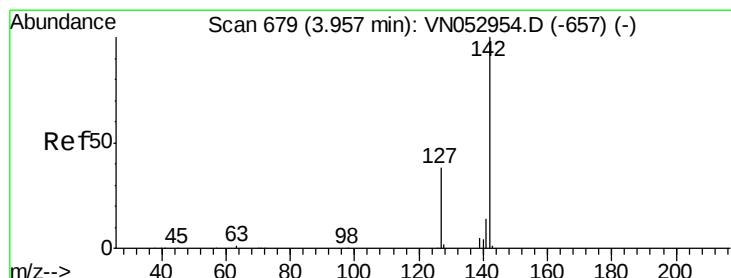
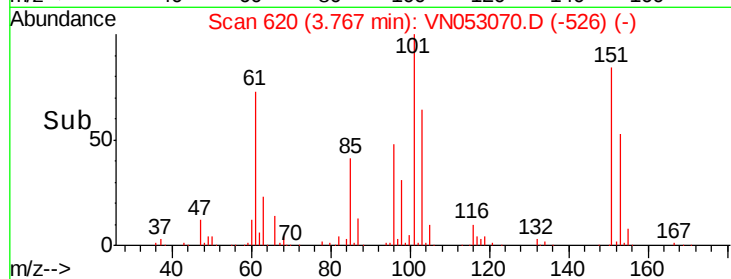
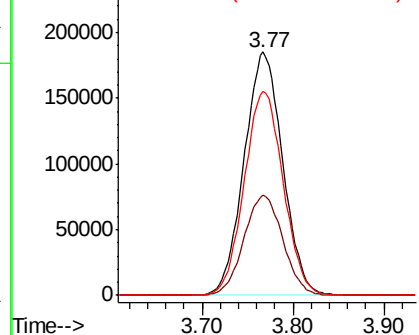


Abundance

Ion 100.90 (100.60 to 101.60): V

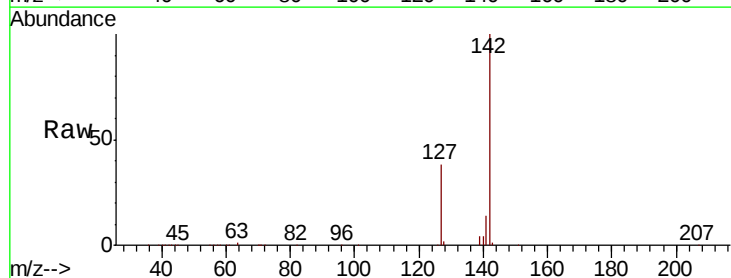
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 50.094 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN053070.D
 Acq: 20 Dec 2018 21:42

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.1	31.0	46.6
141	13.9	11.2	16.8

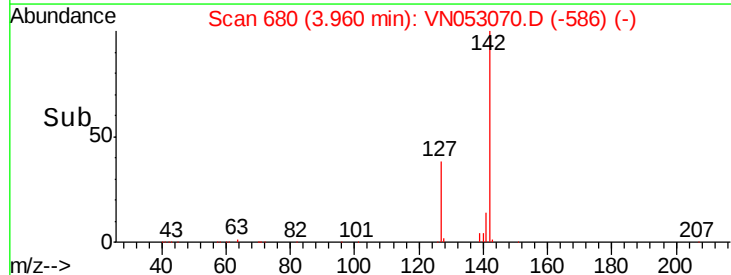
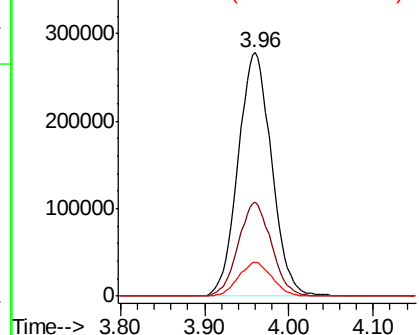


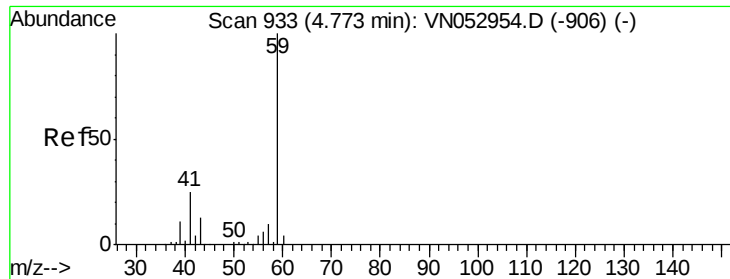
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





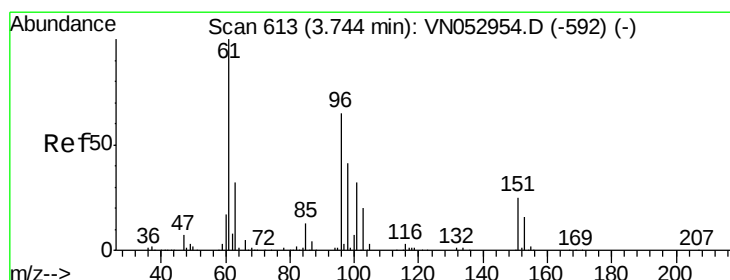
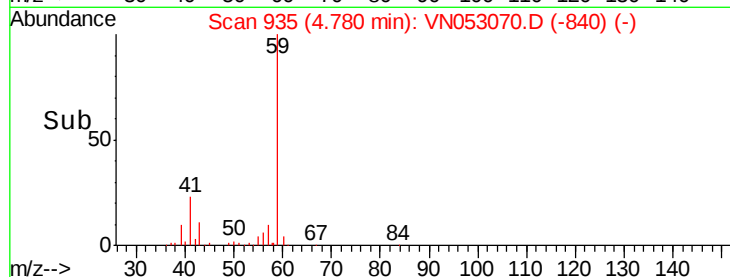
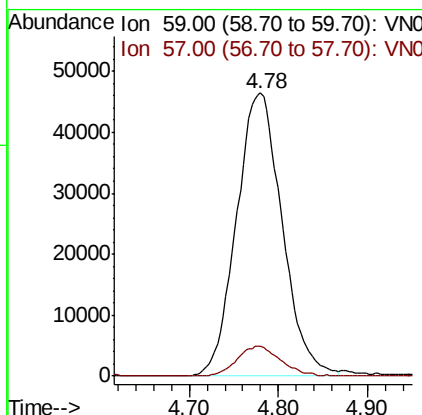
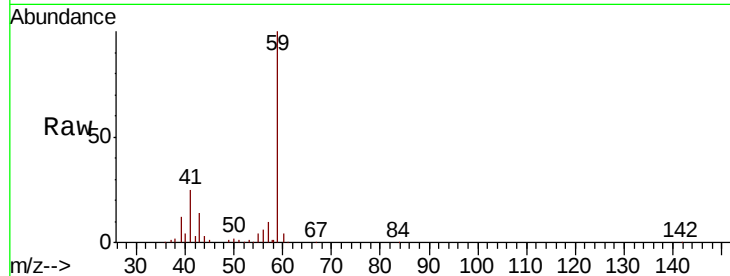
#11
Tert butyl alcohol
Concen: 241.019 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59.00	Resp	165434
Ion Ratio	59	100	
Lower	57	10.1	7.7
Upper			11.5

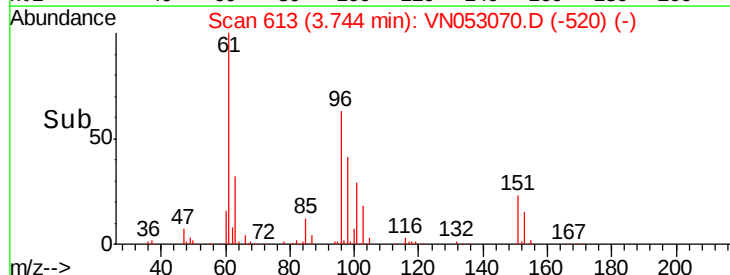
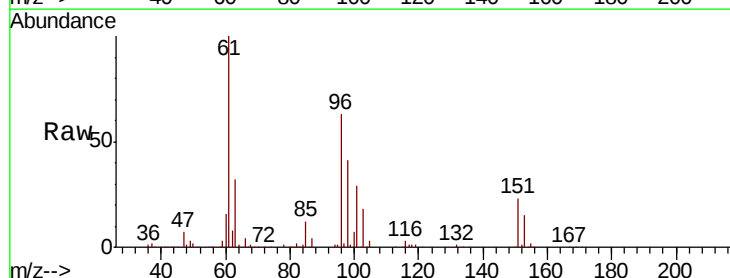
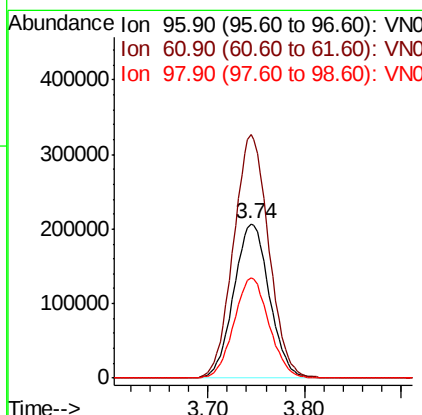
Manual Integrations
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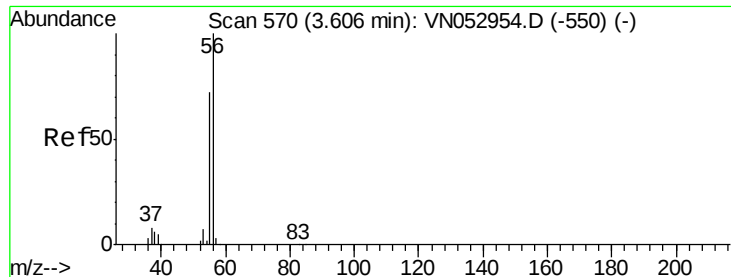
MMDadoda
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#12
1,1-Dichloroethene
Concen: 50.305 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion	96	Resp	531504
Ion Ratio	96	100	
Lower	61	157.6	125.6
Upper			188.4
	98	65.0	50.6
			75.8





#13

Acrolein

Concen: 321.320 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 199983

Ion Ratio Lower Upper

56 100

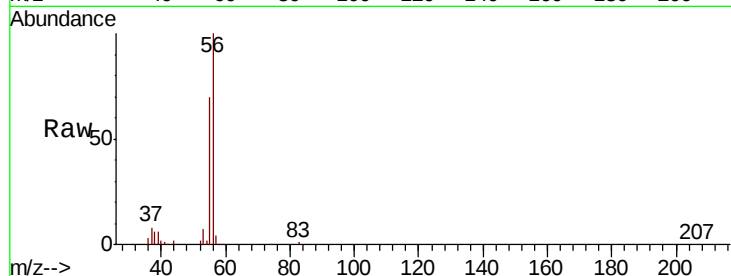
55 70.4 56.6 85.0

Manual Integrations

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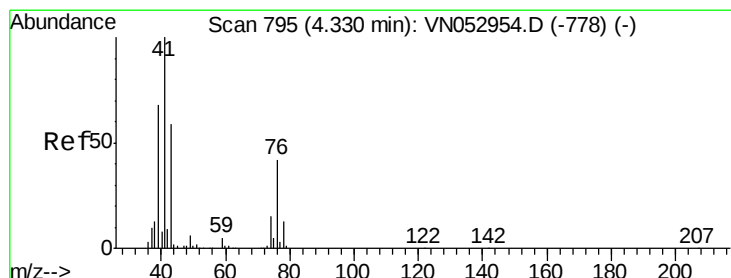
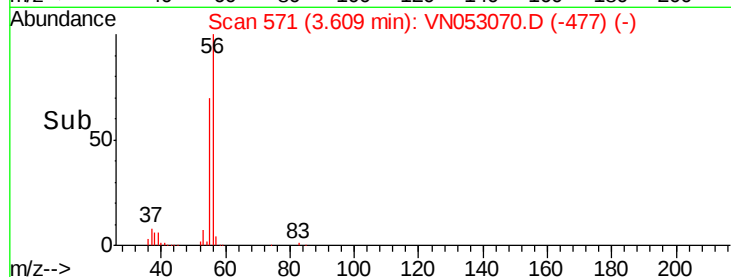
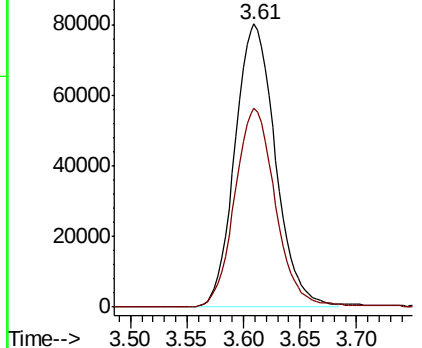
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Abundance Ion 56.00 (55.70 to 56.70): VN052954.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN052954.D (-550) (-)



#14

Allyl chloride

Concen: 53.666 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

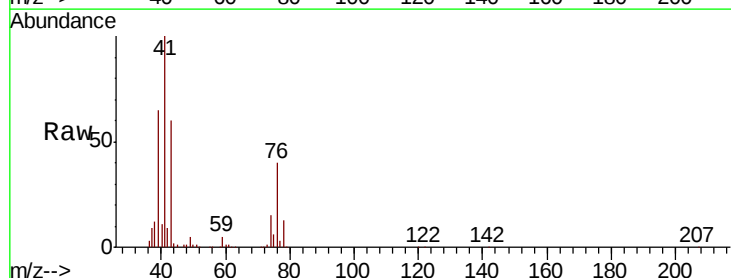
Tgt Ion: 41 Resp: 878300

Ion Ratio Lower Upper

41 100

39 62.1 54.1 81.1

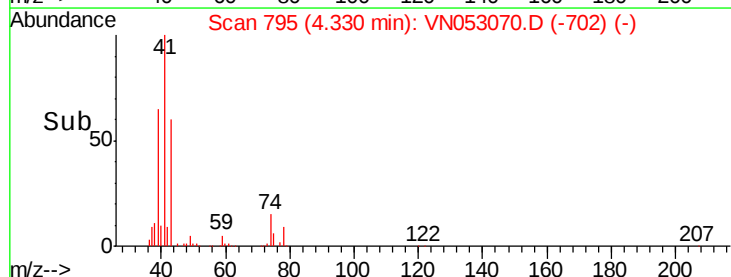
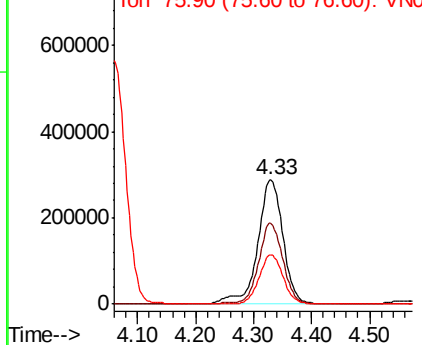
76 37.2 30.3 45.5

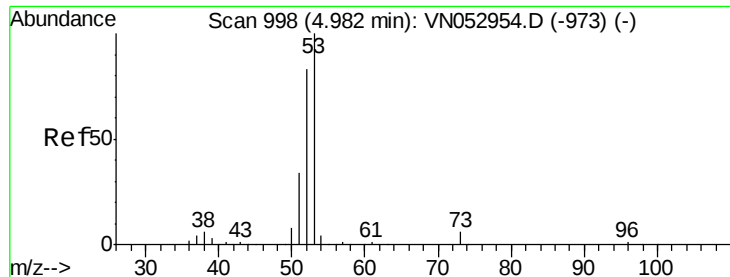


Abundance Ion 41.00 (40.70 to 41.70): VN052954.D (-778) (-)

Ion 39.00 (38.70 to 39.70): VN052954.D (-778) (-)

Ion 75.90 (75.60 to 76.60): VN052954.D (-778) (-)





#15

Acrylonitrile

Concen: 253.837 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

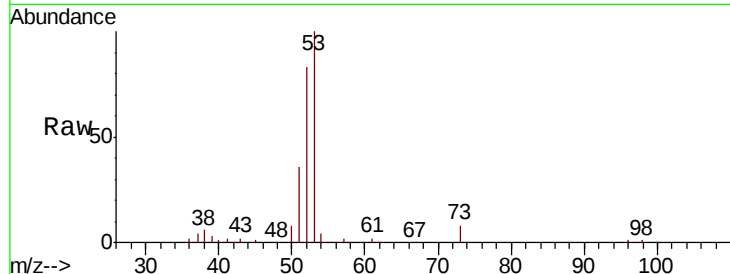
ClientSampleId :

VSTDCCC050

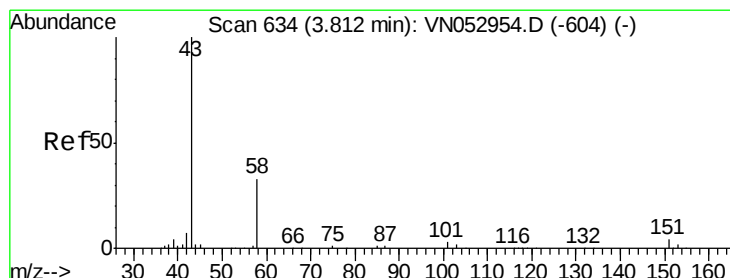
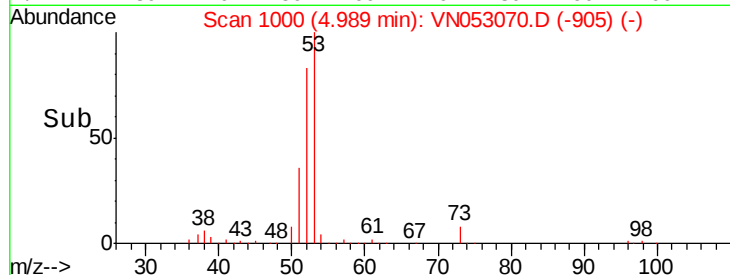
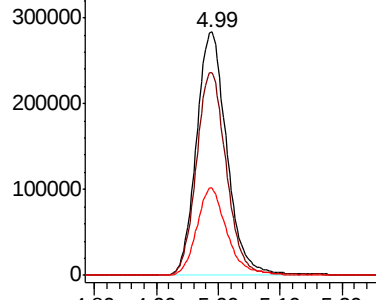
Tot Ion:	53	Resp:	967944
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.1	97.7
51	35.8	28.1	42.1

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Abundance Ion 53.00 (52.70 to 53.70): VN053070.D (-905) (-)



#16

Acetone

Concen: 267.844 ug/l

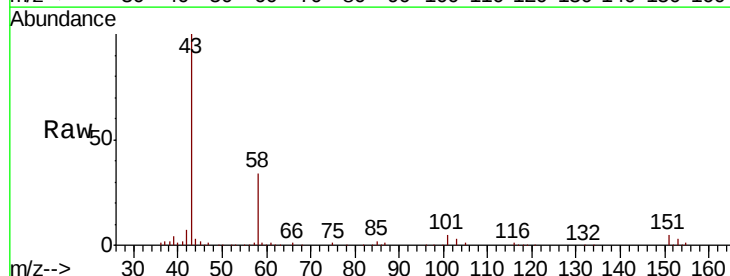
RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

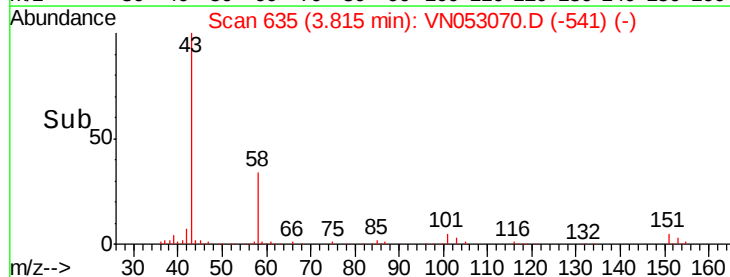
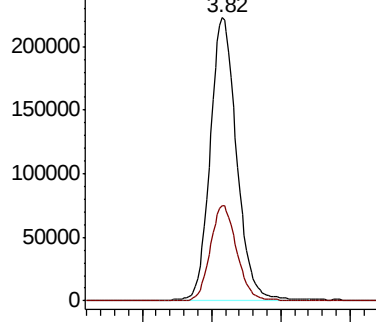
Lab File: VN053070.D

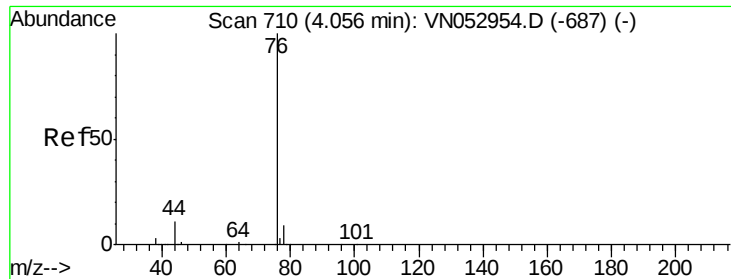
Acq: 20 Dec 2018 21:42

Tgt Ion:	43	Resp:	590769
Ion	Ratio	Lower	Upper
43	100		
58	33.8	25.4	38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053070.D (-541) (-)





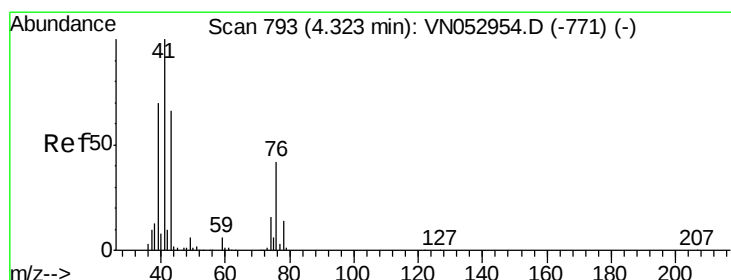
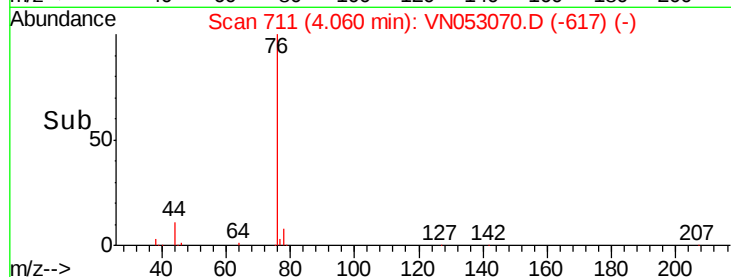
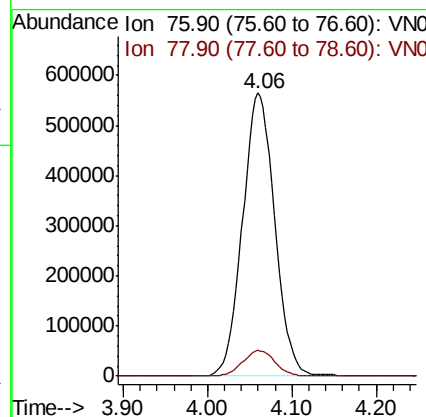
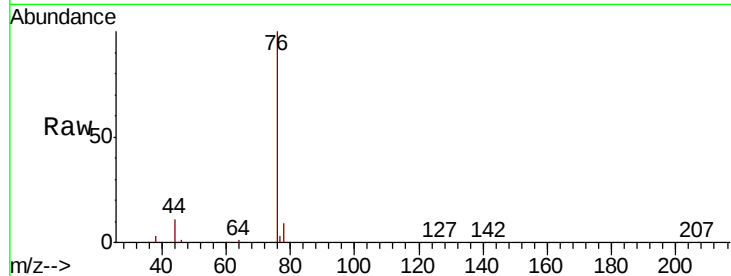
#17
Carbon Disulfide
Concen: 43.489 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1498500
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

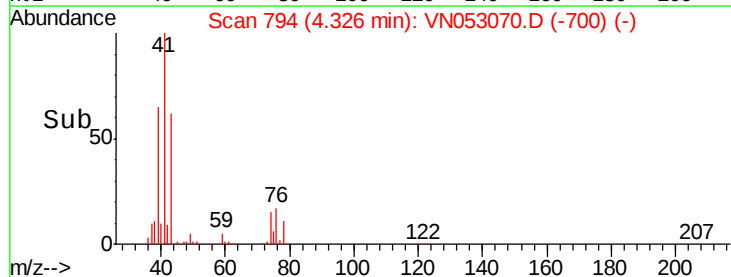
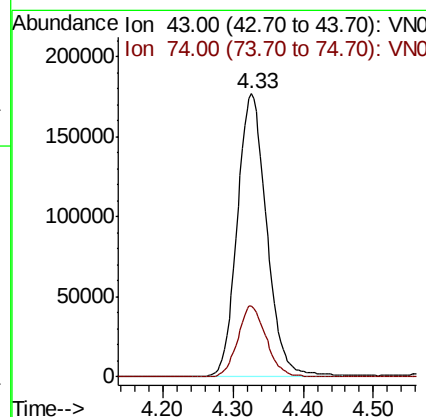
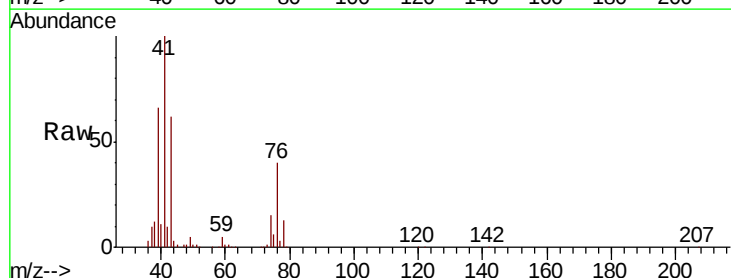
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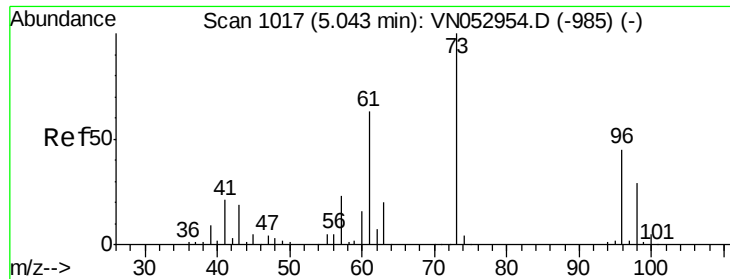
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#18
Methyl Acetate
Concen: 51.251 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion: 43 Resp: 513323
Ion Ratio Lower Upper
43 100
74 24.4 19.2 28.8





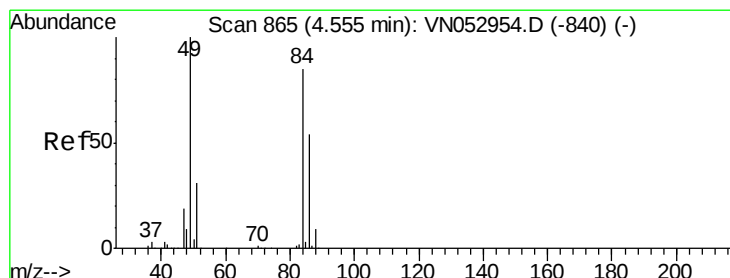
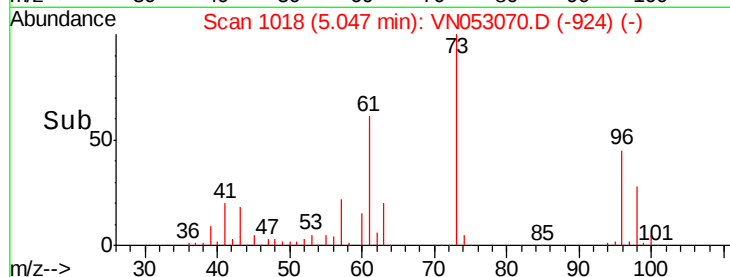
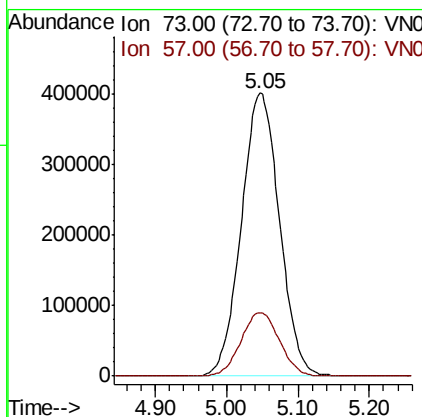
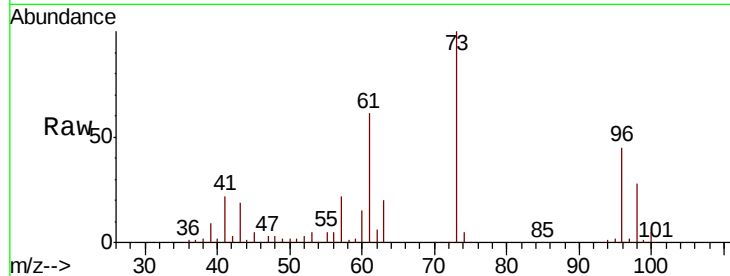
#19
Methvl tert-butvl Ether
Concen: 52.583 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1486770
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6

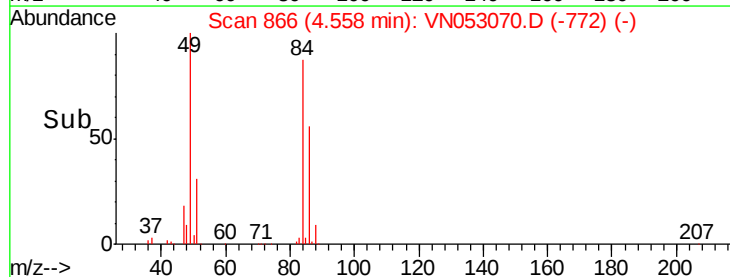
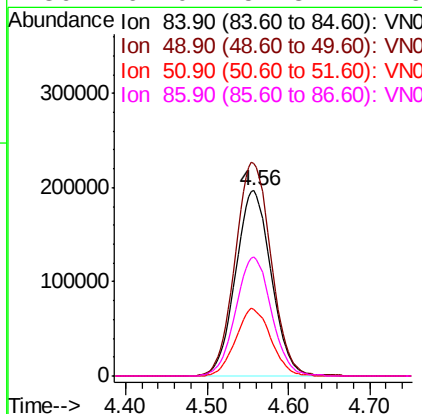
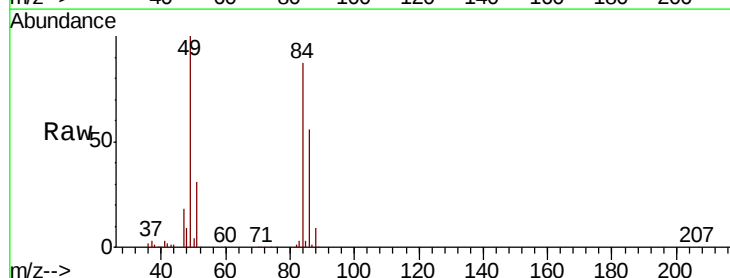
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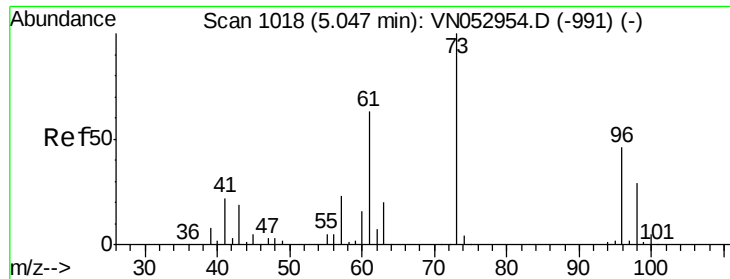
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#20
Methylene Chloride
Concen: 49.482 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion: 84 Resp: 595342
Ion Ratio Lower Upper
84 100
49 114.9 96.8 145.2
51 36.0 29.9 44.9
86 64.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.775 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 565038

Ion Ratio Lower Upper

96 100

61 136.7 110.8 166.2

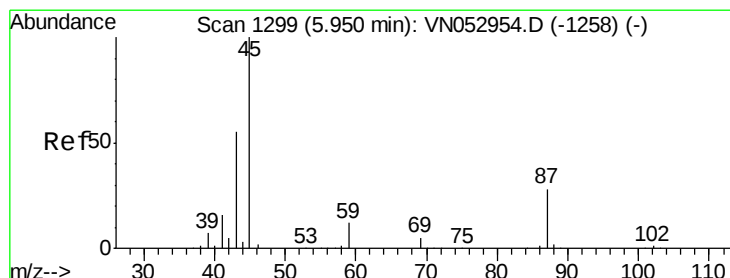
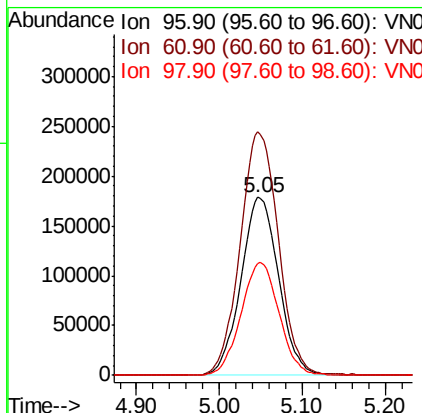
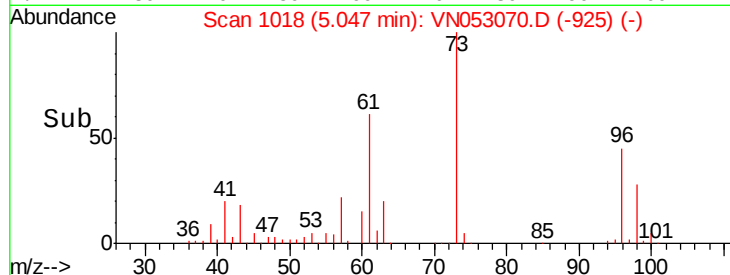
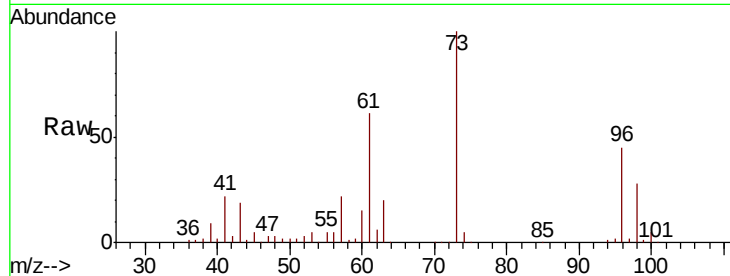
98 62.7 51.4 77.2

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#22

Diisopropyl ether

Concen: 53.386 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Tgt Ion: 45 Resp: 1864945

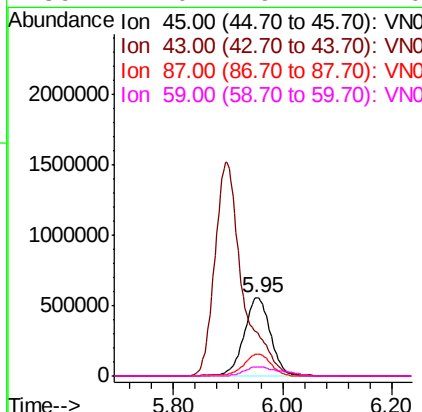
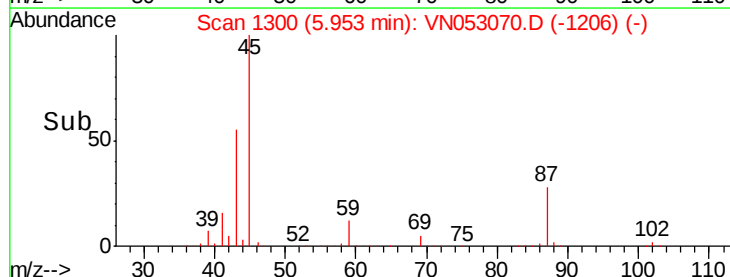
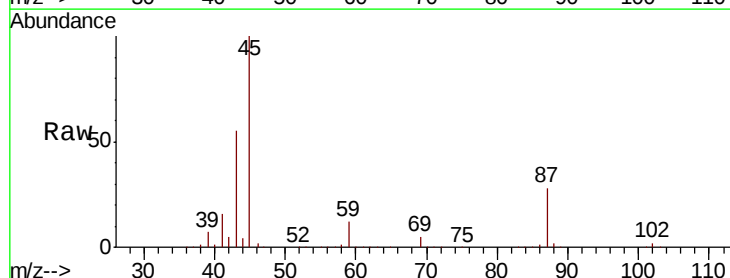
Ion Ratio Lower Upper

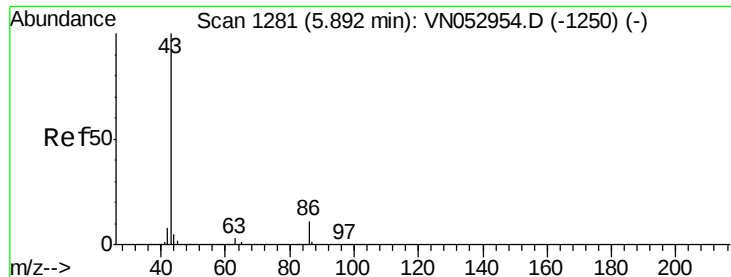
45 100

43 54.3 45.5 68.3

87 28.1 22.0 33.0

59 12.0 9.4 14.0





#23

Vinyl Acetate

Concen: 265.471 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 5332682

Ion Ratio Lower Upper

43 100

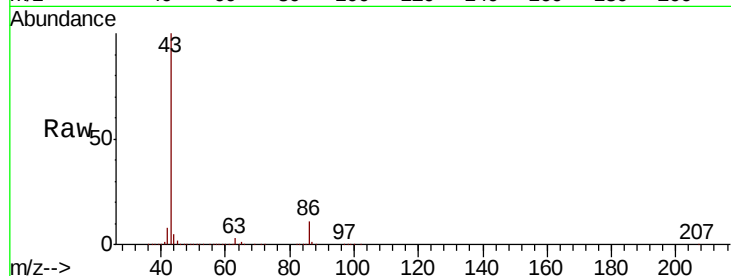
86 10.7 8.1 12.1

Manual Integrations

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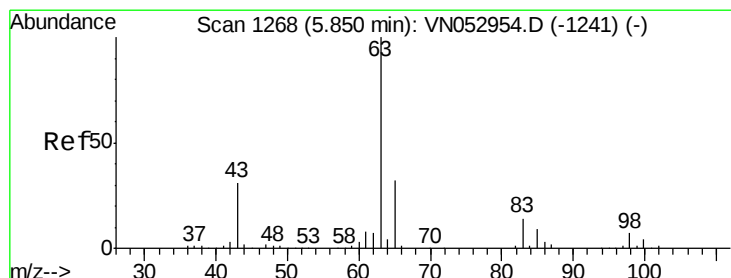
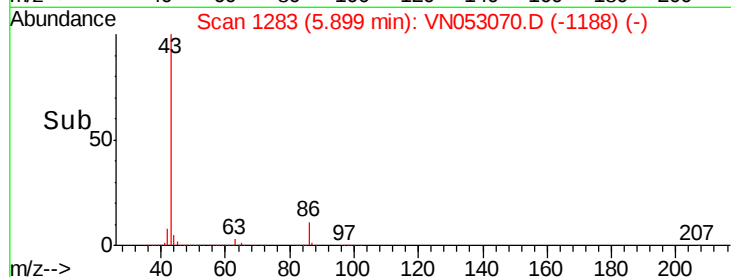
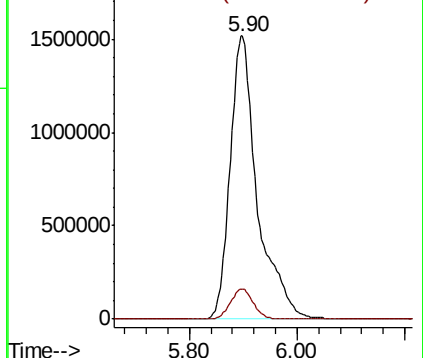
MMDadoda

12/21/2018 11:31:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 52.197 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

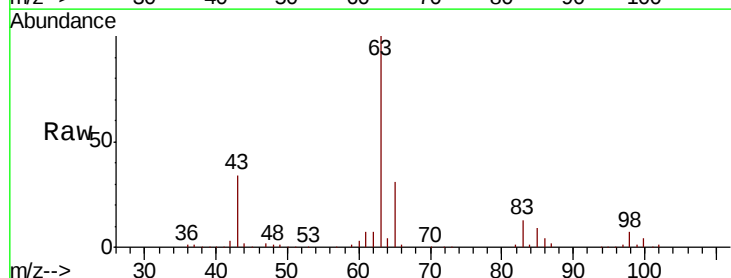
Tgt Ion: 63 Resp: 1083509

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

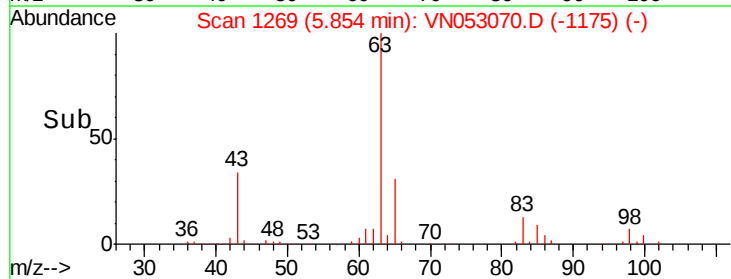
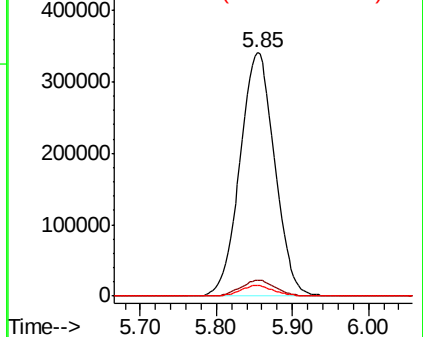
100 4.2 2.0 5.8

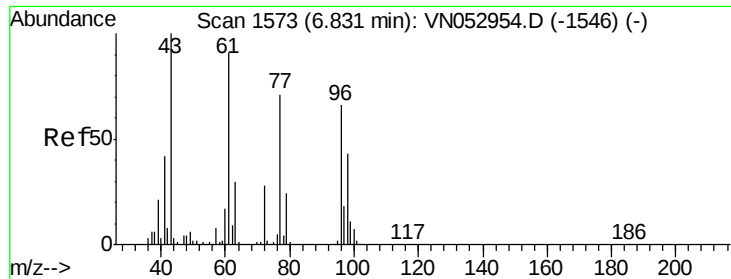


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





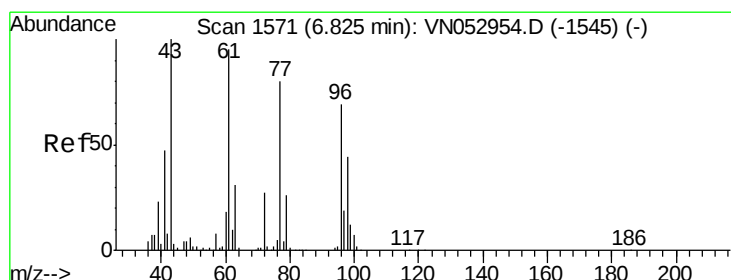
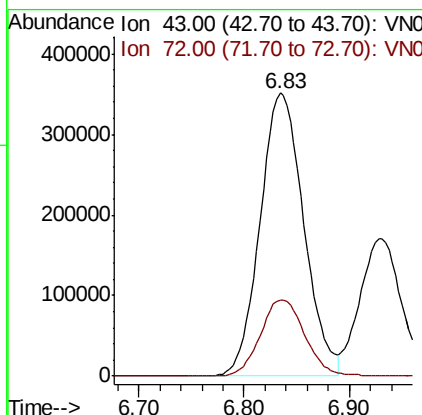
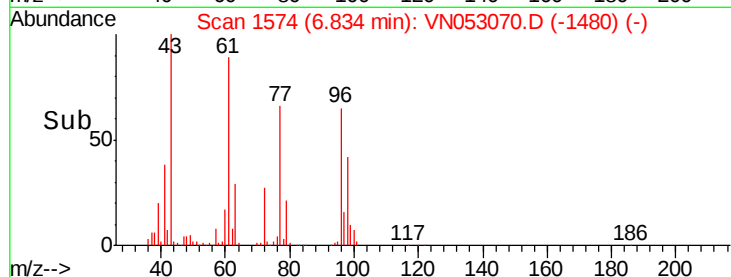
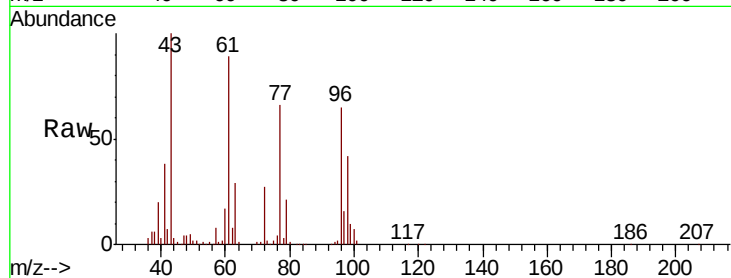
#25
2-Butanone
Concen: 272.391 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1008289
Ion Ratio Lower Upper
43 100
72 27.0 21.0 31.6

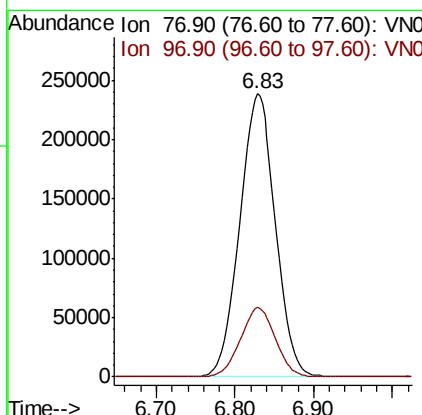
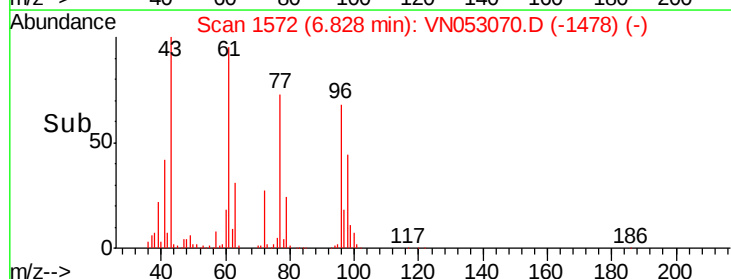
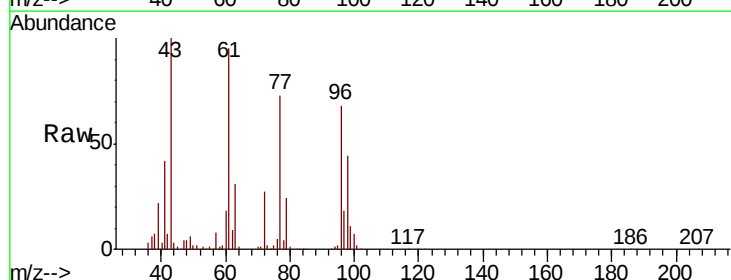
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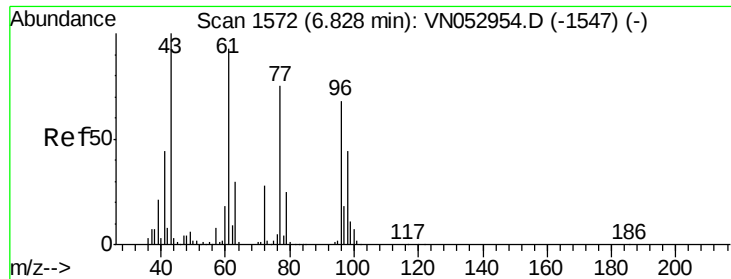
MMDadoda
12/21/2018 11:31:25 AM



#26
2,2-Dichloropropane
Concen: 47.872 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion: 77 Resp: 758581
Ion Ratio Lower Upper
77 100
97 24.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 51.733 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

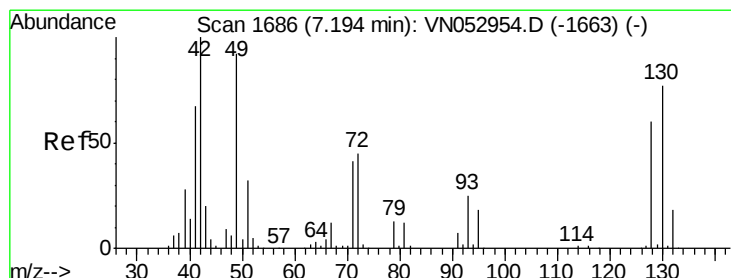
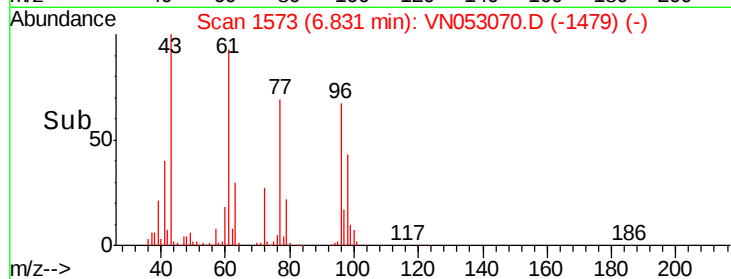
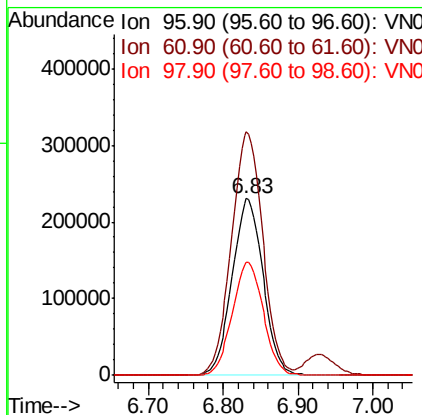
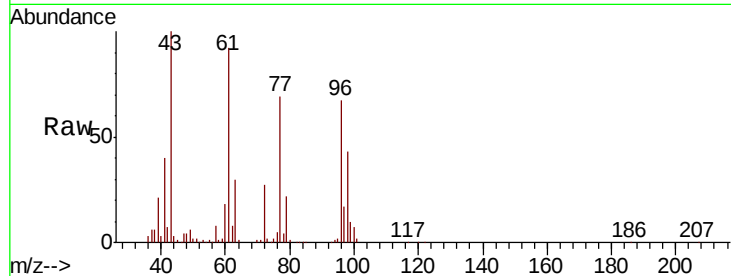
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	664844
Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	284.2
98	64.2	0.0	129.2

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#28

Bromochloromethane

Concen: 52.177 ug/l

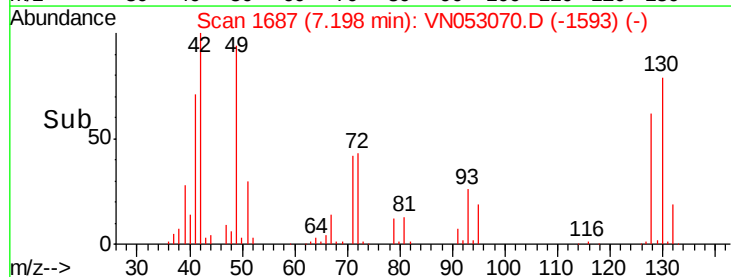
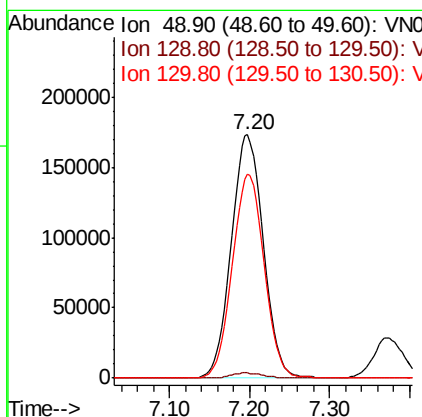
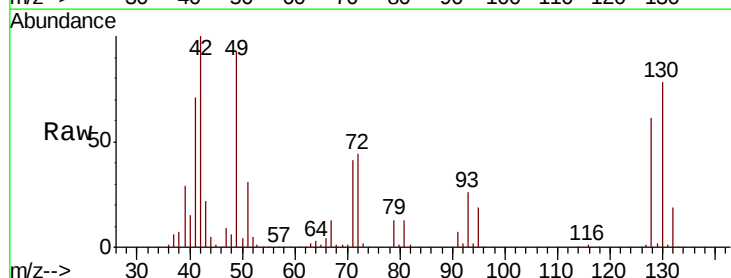
RT: 7.20 min Scan# 1687

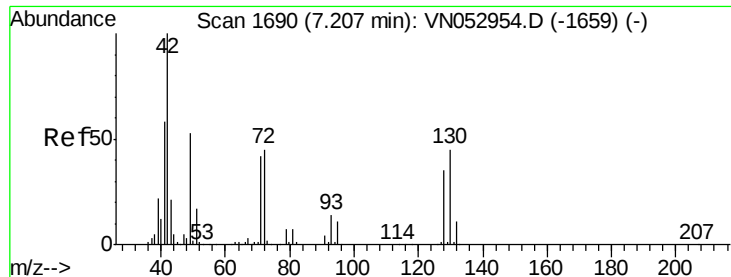
Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Tgt Ion:	49	Resp:	469325
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	83.1	63.3	94.9





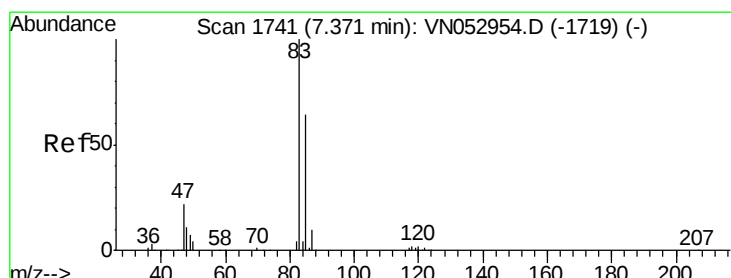
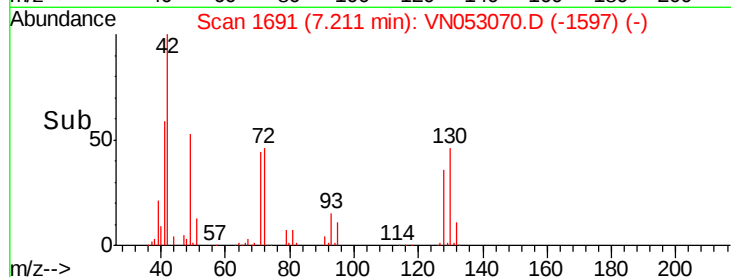
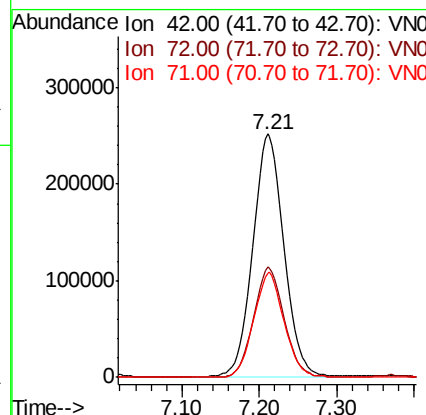
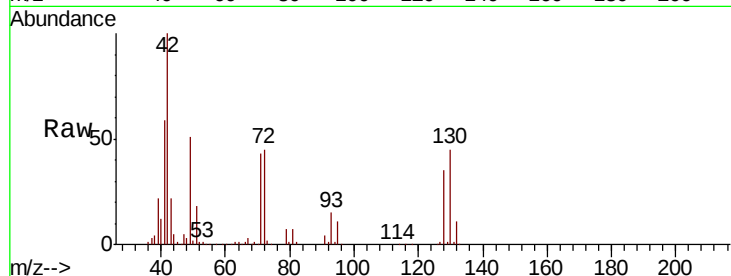
#29
Tetrahydrofuran
Concen: 256.598 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.7	52.1
71	42.2	32.3	48.5

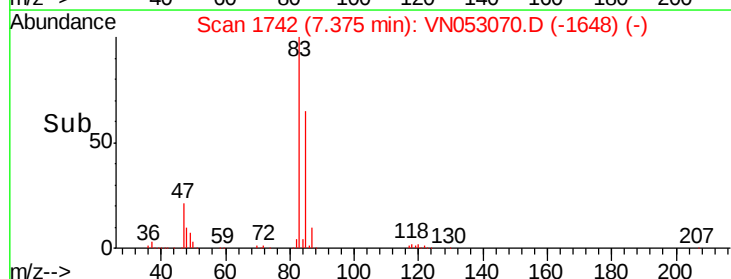
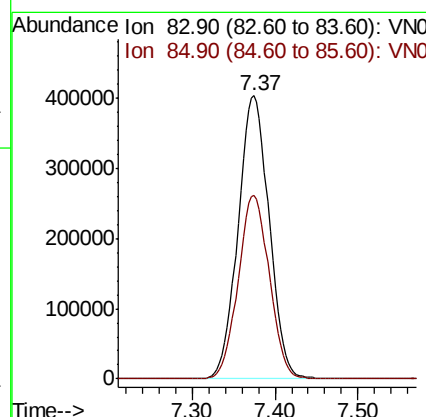
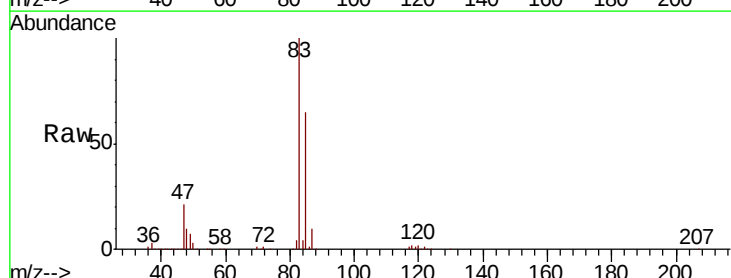
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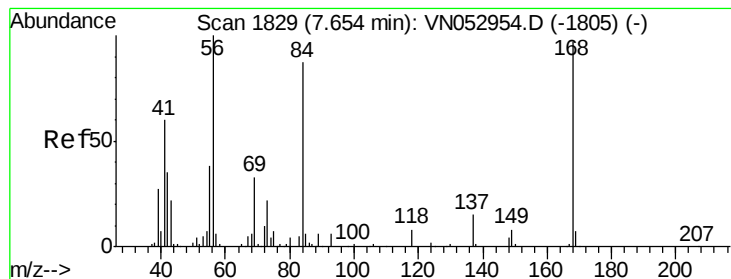
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12/21/2018 11:31:25 AM



#30
Chloroform
Concen: 51.661 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.1	78.1





#31

Cyclohexane

Concen: 50.276 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 978707
Ion Ratio Lower Upper

56 100

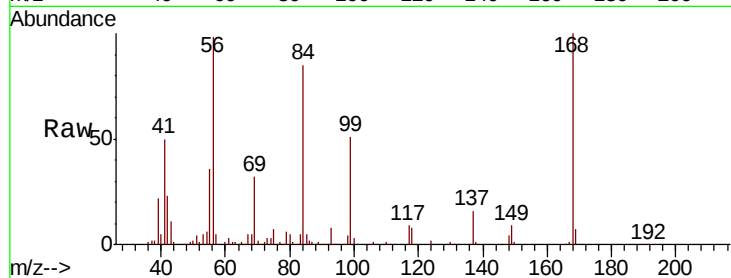
69 33.0 26.6 39.8

84 86.3 68.4 102.6

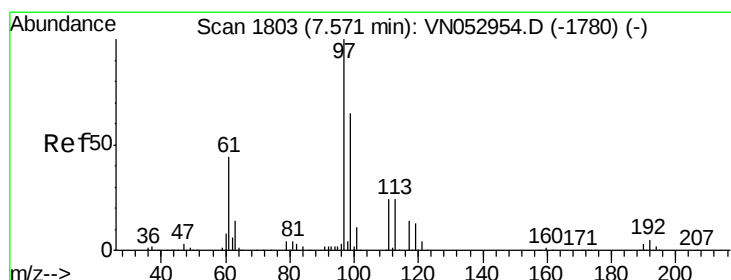
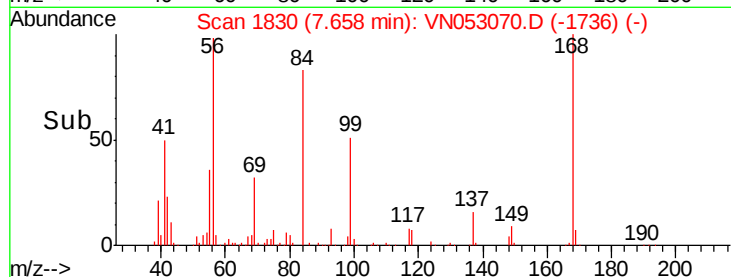
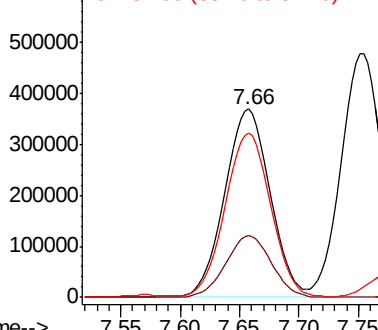
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 50.948 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053070.D

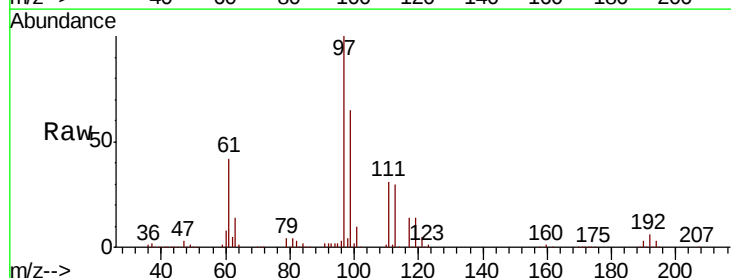
Acq: 20 Dec 2018 21:42

Tgt Ion: 97 Resp: 885030
Ion Ratio Lower Upper

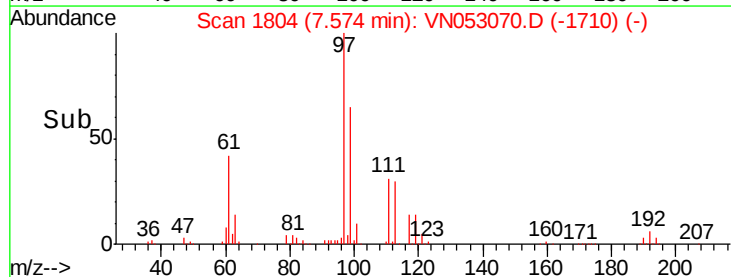
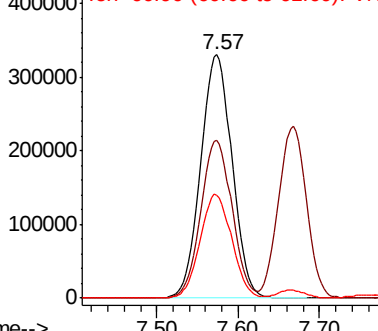
97 100

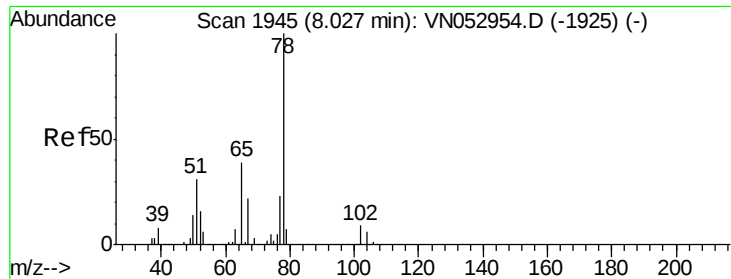
99 64.5 51.1 76.7

61 43.0 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





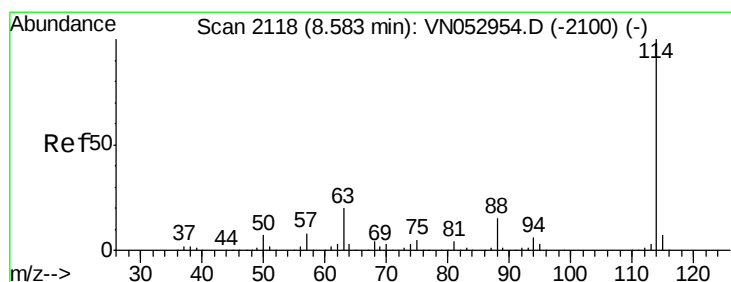
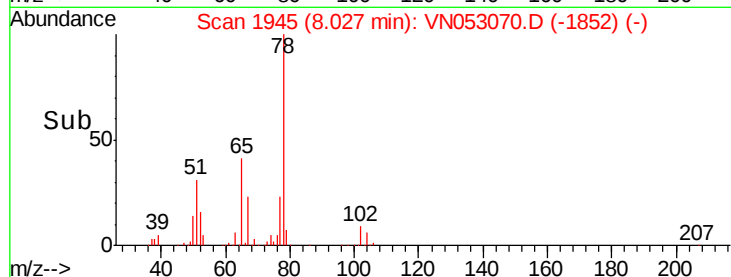
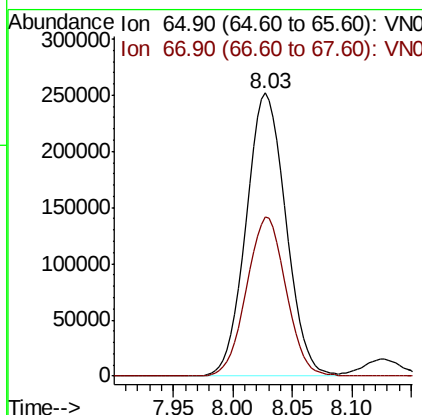
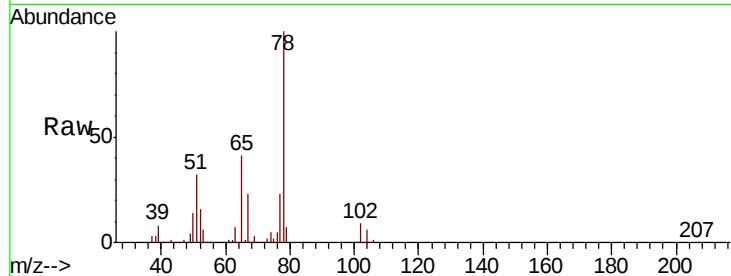
#33
 1,2-Dichloroethane-d4
 Concen: 50.948 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053070.D
 Acq: 20 Dec 2018 21:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	110.4

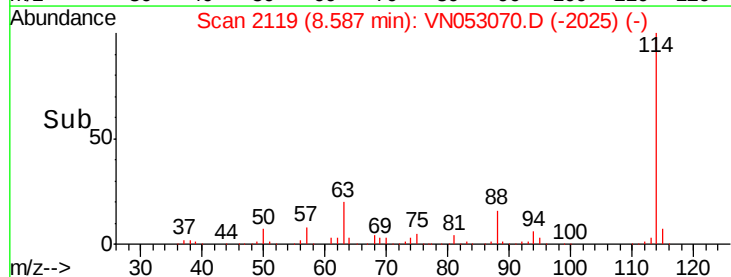
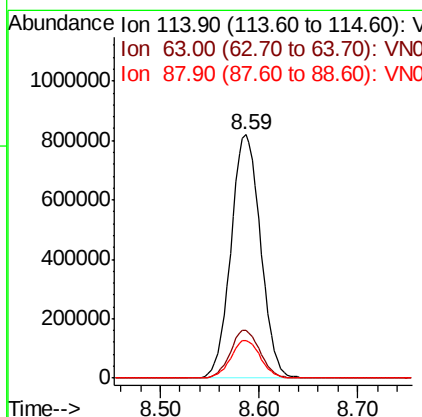
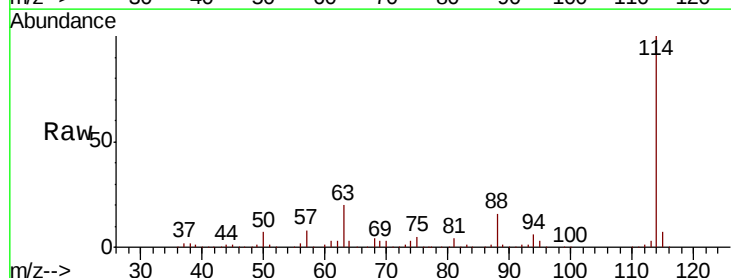
Manual Integrations
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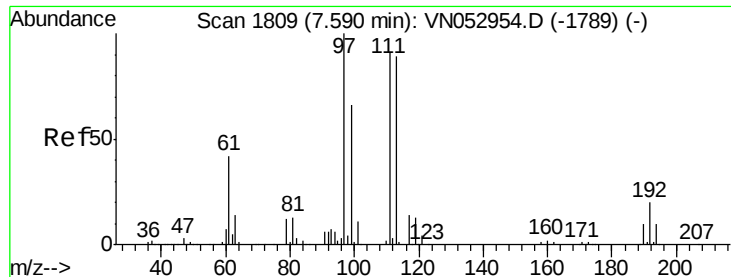
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053070.D
 Acq: 20 Dec 2018 21:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.8
88	15.6	0.0	31.0





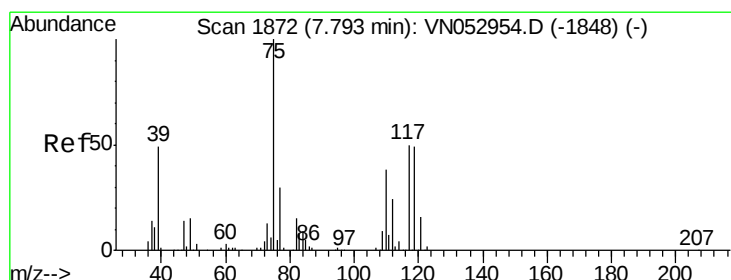
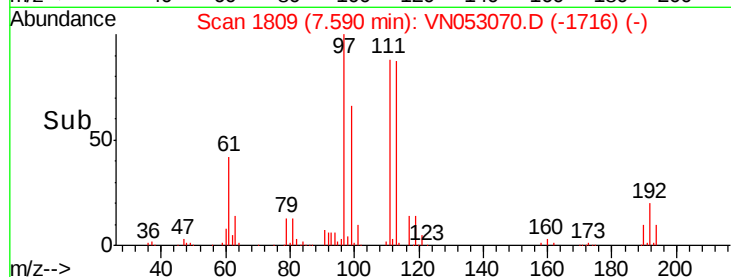
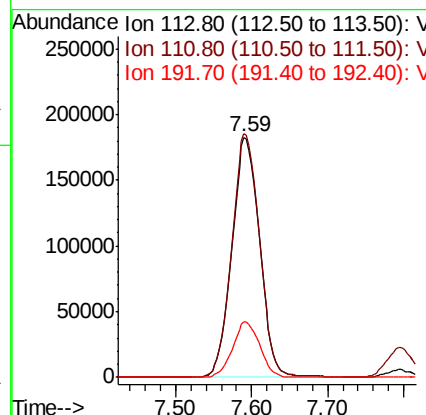
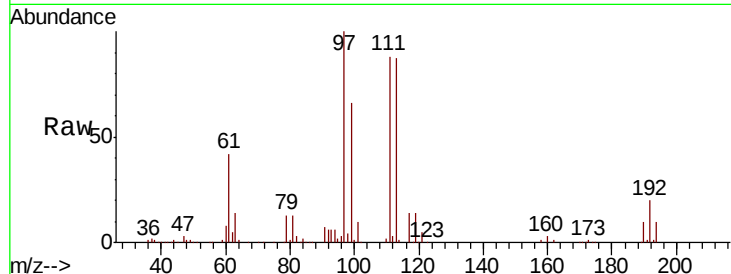
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	463242		
111	101.3	83.0	124.4	
192	22.6	17.5	26.3	

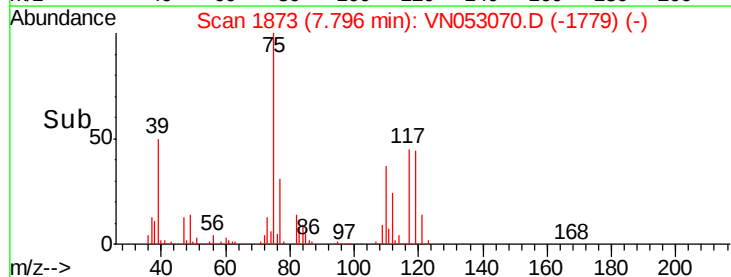
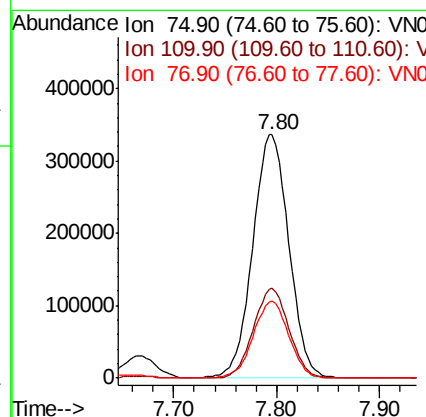
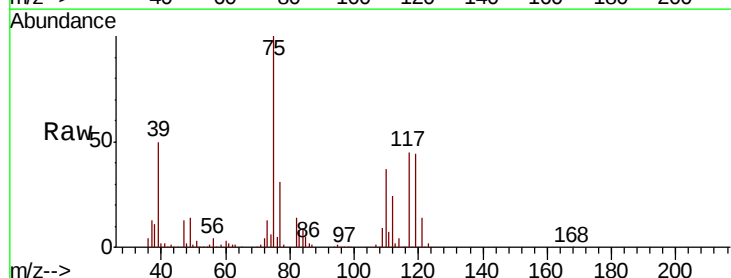
Manual Integrations
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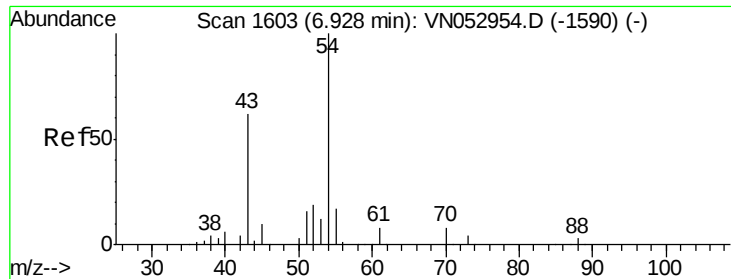
MMDadoda
12/21/2018 11:31:25 AM



#36
1,1-Dichloropropene
Concen: 49.408 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	813963		
110	36.4	18.2	54.6	
77	31.3	24.9	37.3	





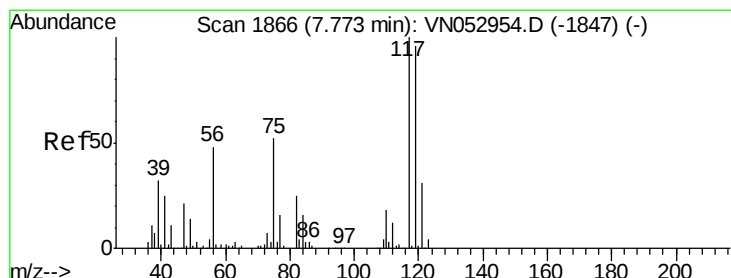
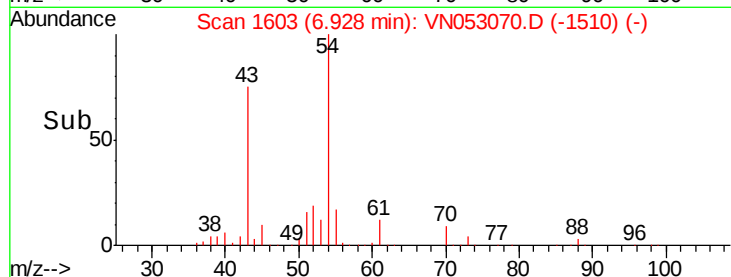
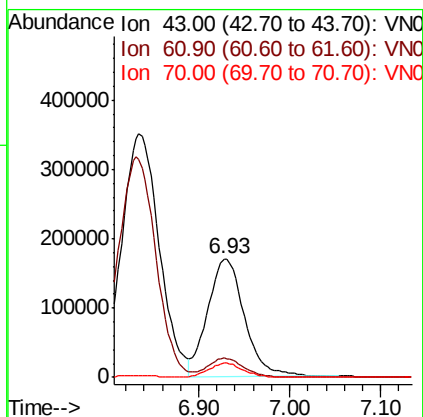
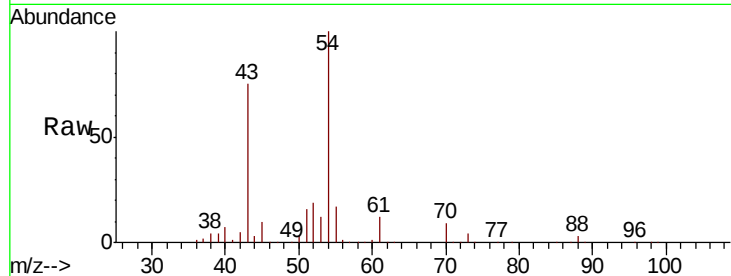
#37
Ethyl Acetate
Concen: 52.051 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.6
70	11.2	8.4	12.6

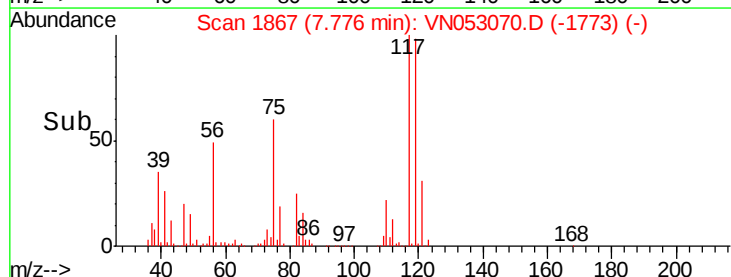
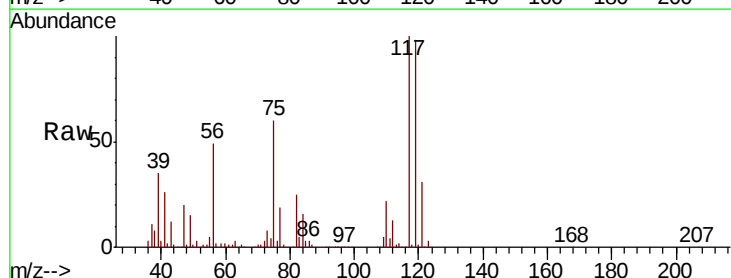
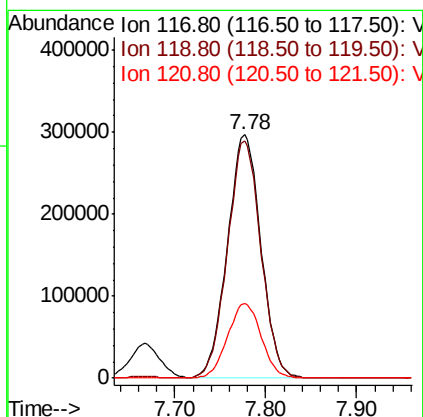
Manual Integrations
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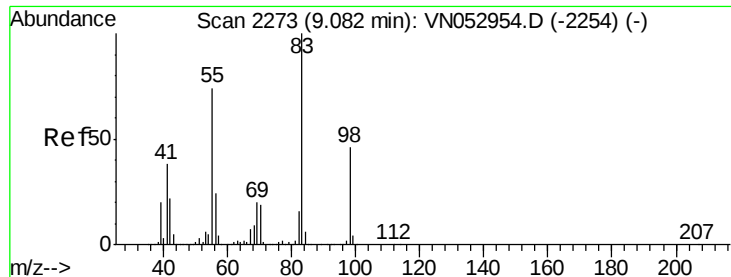
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#38
Carbon Tetrachloride
Concen: 50.126 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.1	115.7
121	30.7	24.9	37.3





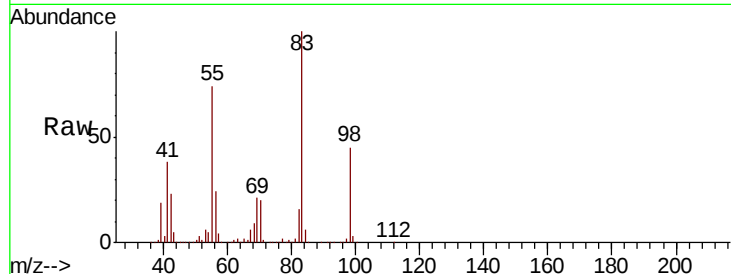
#39
Methvlcvclohexane
Concen: 46.896 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	61.3	91.9
98	45.0	37.0	55.4

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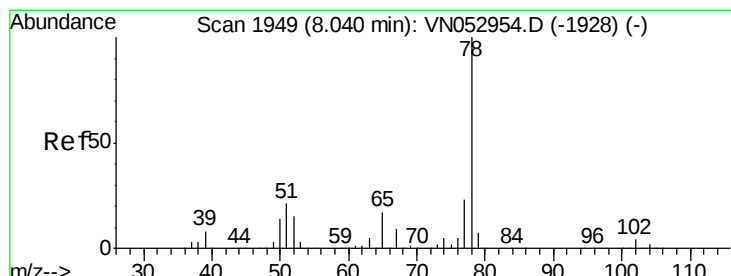
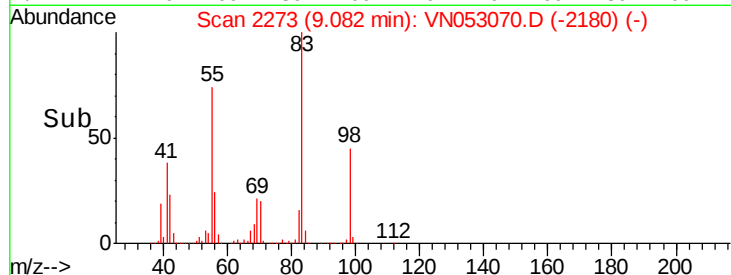
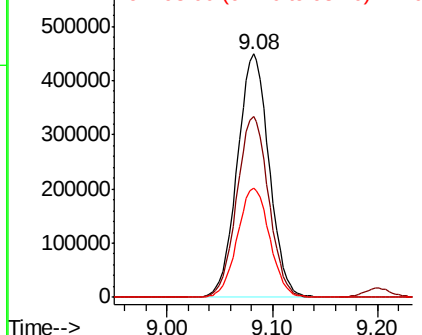


Abundance

Ion 83.00 (82.70 to 83.70): VN0

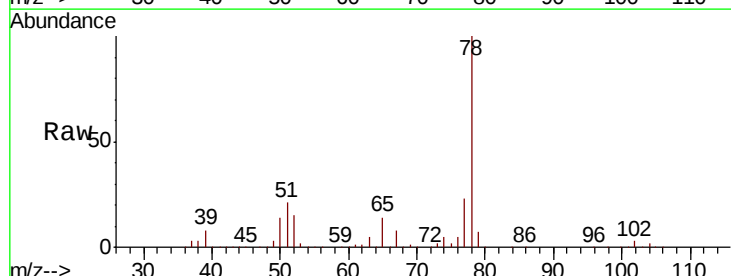
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 50.542 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

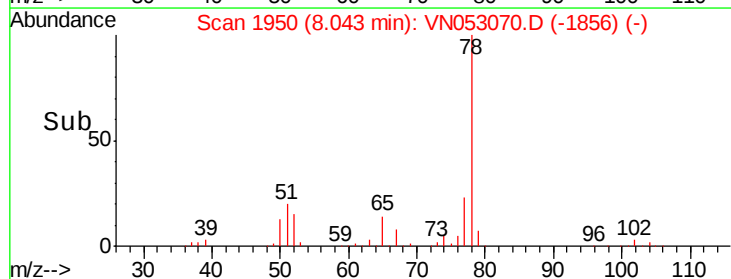
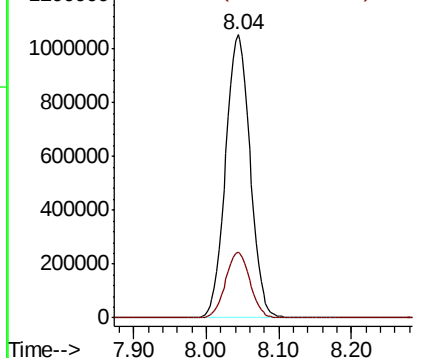
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7

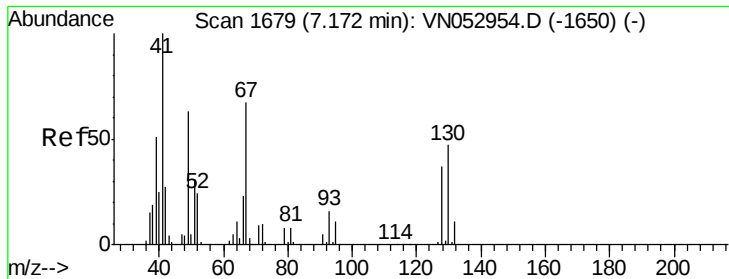


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





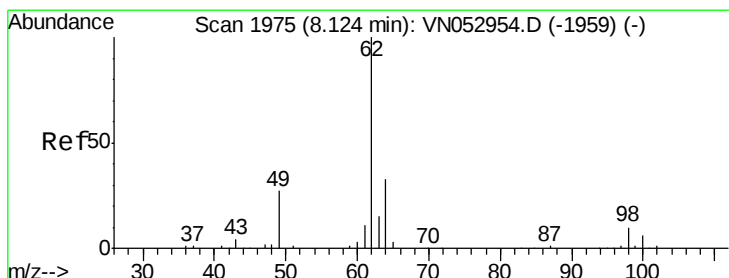
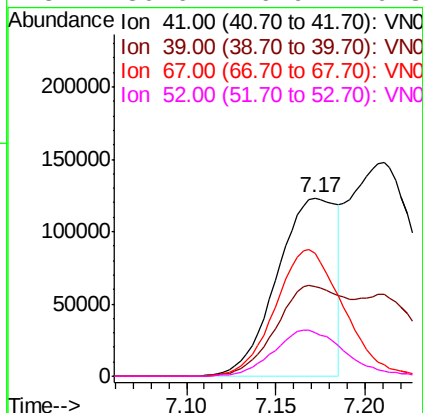
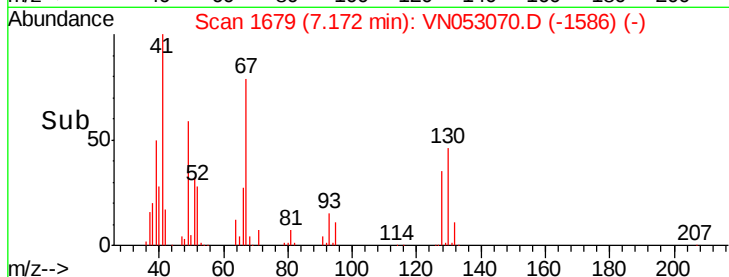
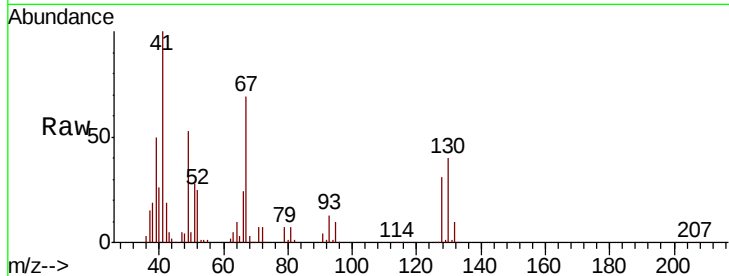
#41
Methacrylonitrile
Concen: 53.526 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	284431
Ion	Ratio	Lower	Upper
41	100		
39	61.8	48.0	72.0
67	82.4	70.3	105.5
52	30.6	26.9	40.3

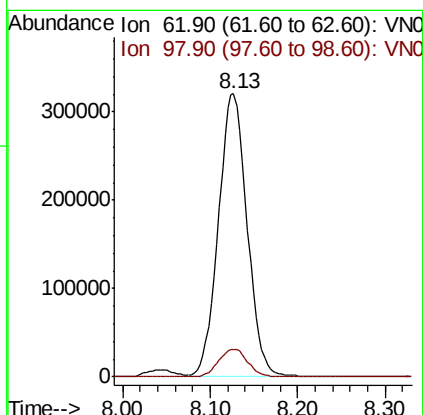
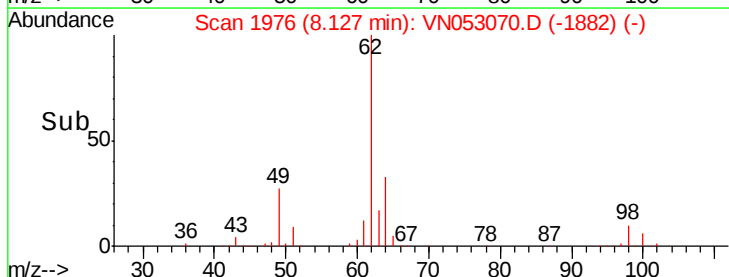
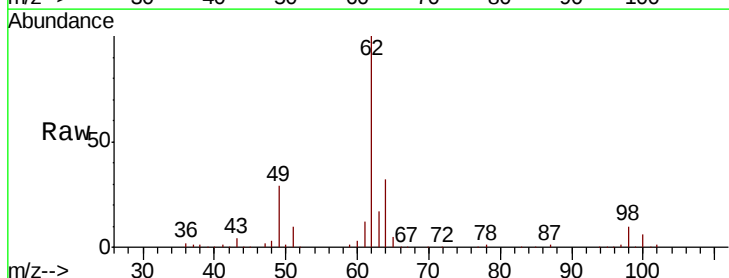
Manual Integrations
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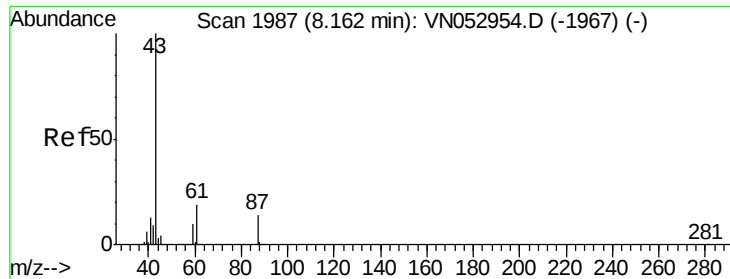
MMDadoda
12/21/2018 11:31:25 AM



#42
1,2-Dichloroethane
Concen: 50.345 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion	62	Resp	728806
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0





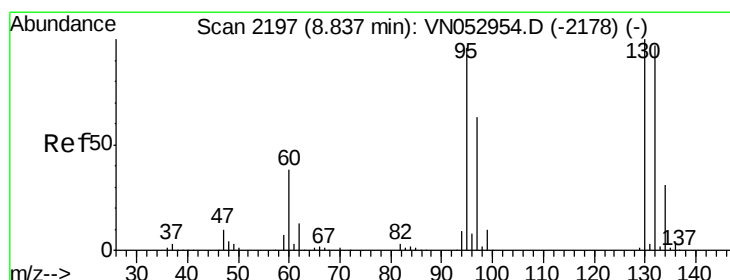
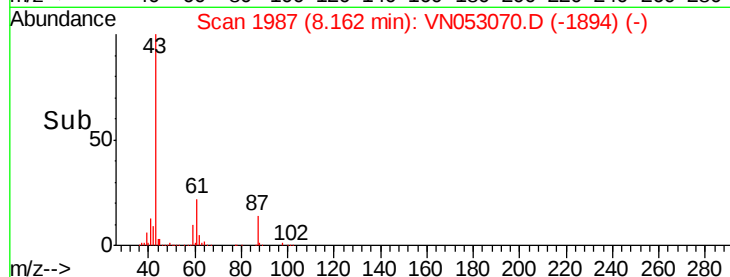
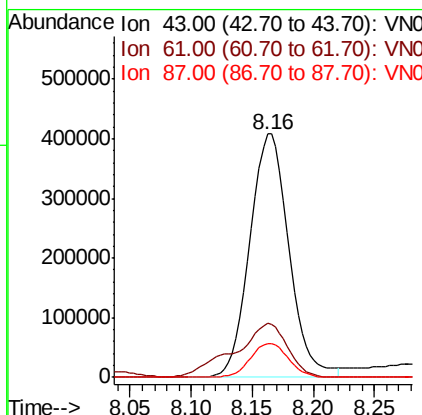
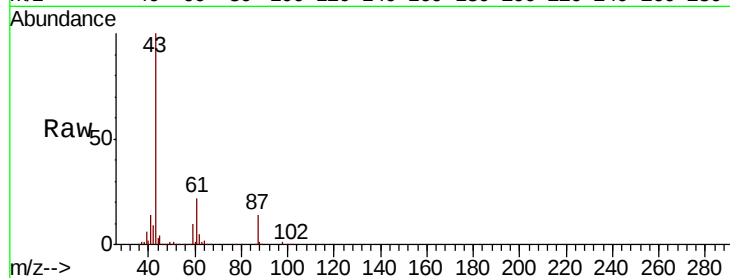
#43
Isopropyl Acetate
Concen: 50.867 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	22.9	34.3
87	13.6	10.6	15.8

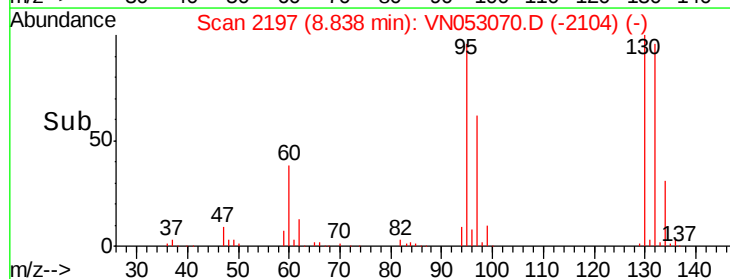
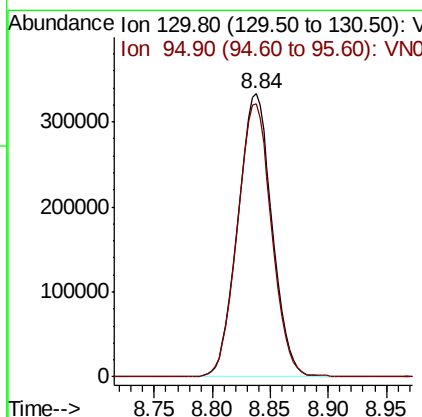
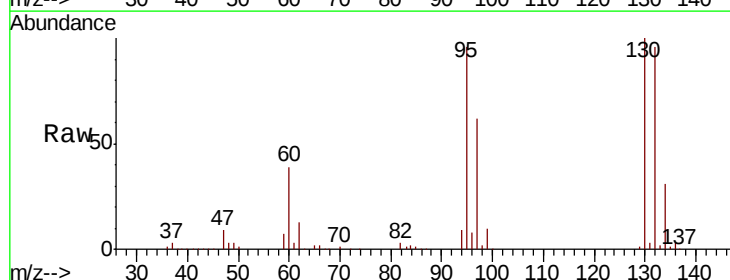
Manual Integrations
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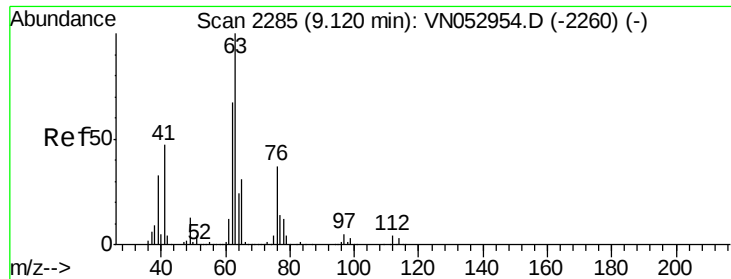
MMDadoda
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#44
Trichloroethene
Concen: 48.106 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	197.8





#45

1,2-Dichloropropane

Concen: 51.213 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 653667

Ion Ratio Lower Upper

63 100

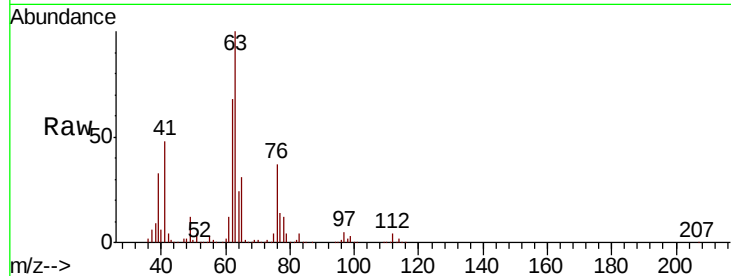
65 30.9 24.6 37.0

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Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-2260) (-)

Ion 64.90 (64.60 to 65.60): VN052954.D (-2260) (-)

9.12

300000

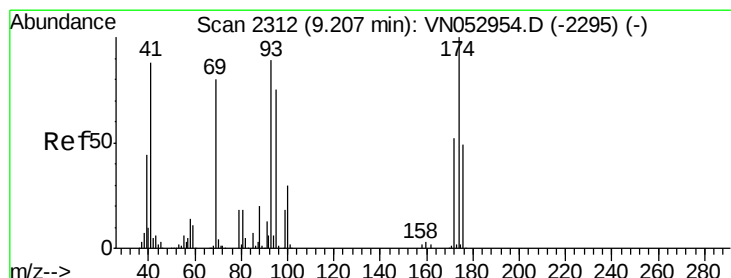
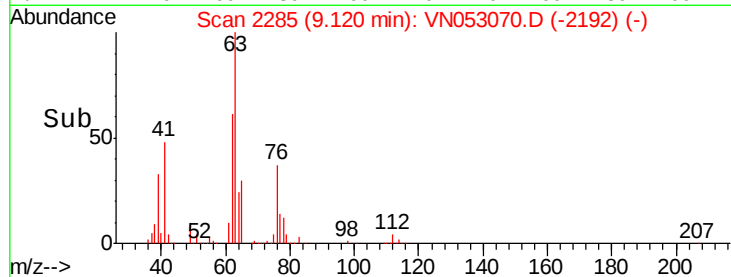
200000

100000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 49.742 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

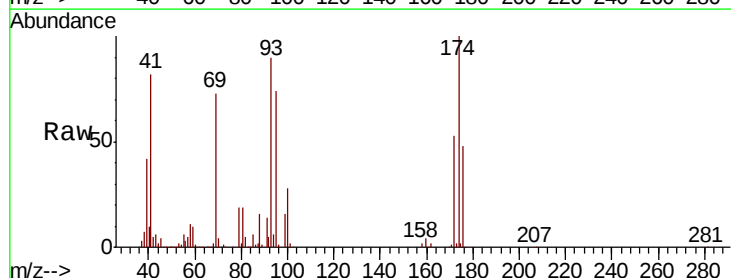
Tgt Ion: 93 Resp: 369859

Ion Ratio Lower Upper

93 100

95 84.1 67.8 101.6

174 113.0 89.0 133.4



Abundance Ion 92.80 (92.50 to 93.50): VN052954.D (-2295) (-)

Ion 94.80 (94.50 to 95.50): VN052954.D (-2295) (-)

Ion 173.70 (173.40 to 174.40): VN052954.D (-2295) (-)

9.21

250000

200000

150000

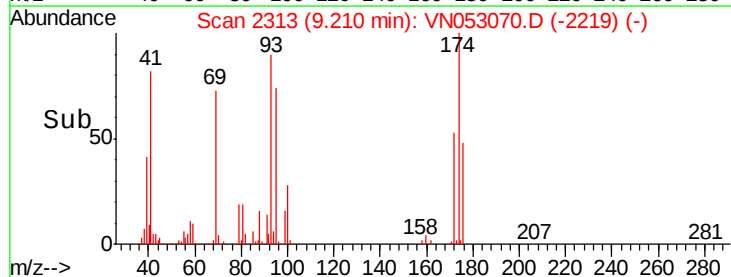
100000

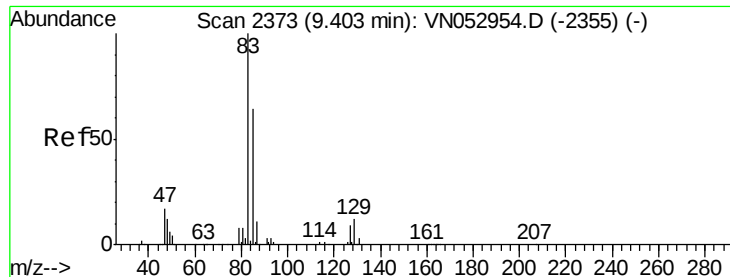
50000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 50.539 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

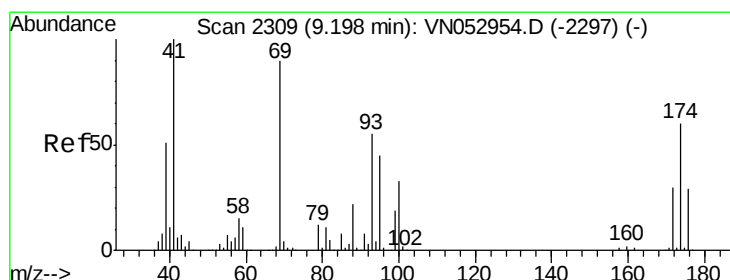
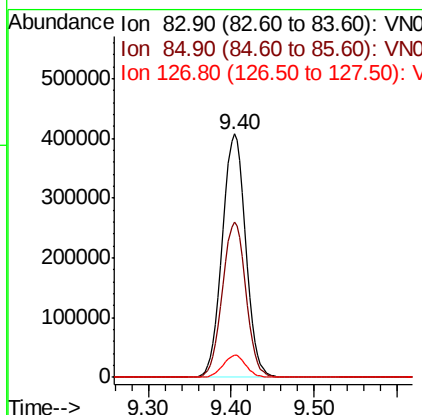
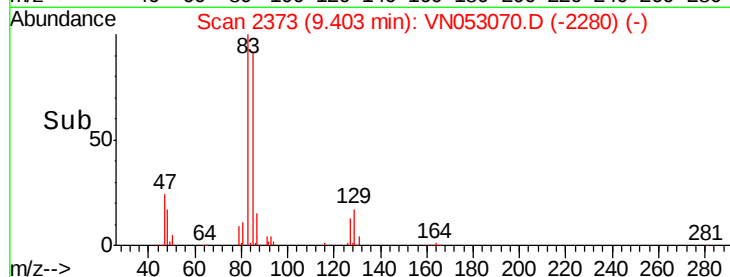
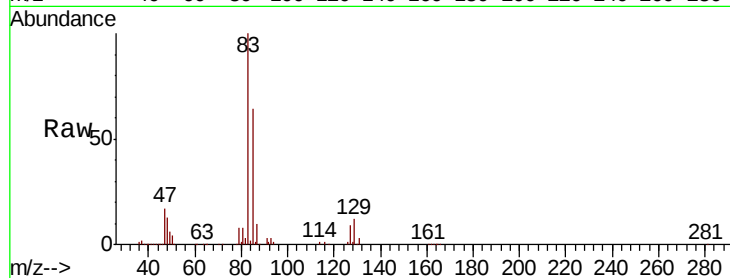
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	798786
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.6	77.4
127	9.0	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.594 ug/l

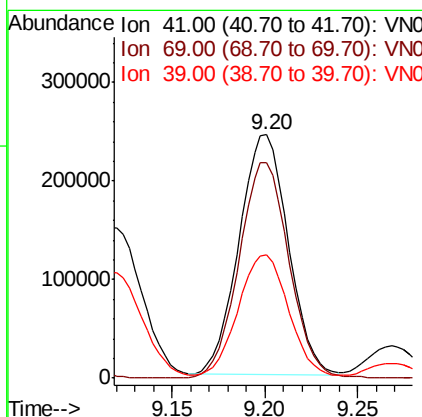
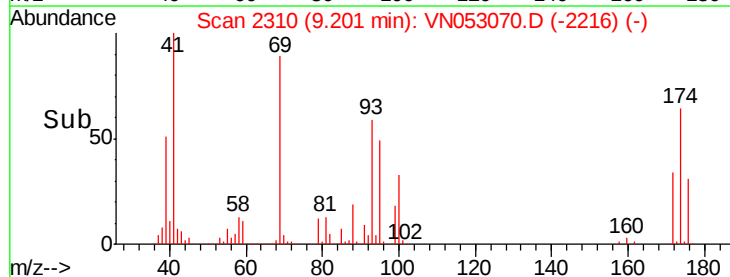
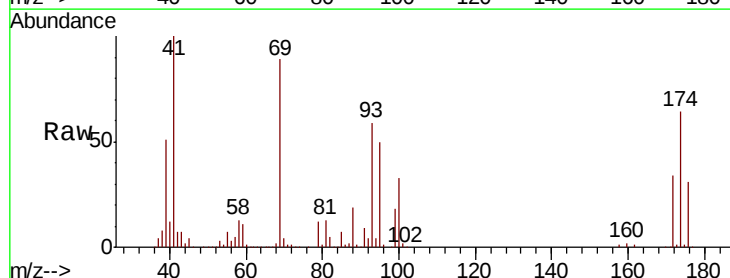
RT: 9.20 min Scan# 2310

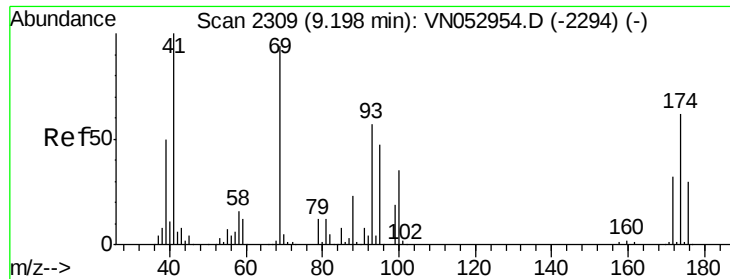
Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Tgt Ion:	41	Resp:	451515
Ion Ratio	Lower	Upper	
41	100		
69	91.2	72.2	108.2
39	52.9	41.9	62.9





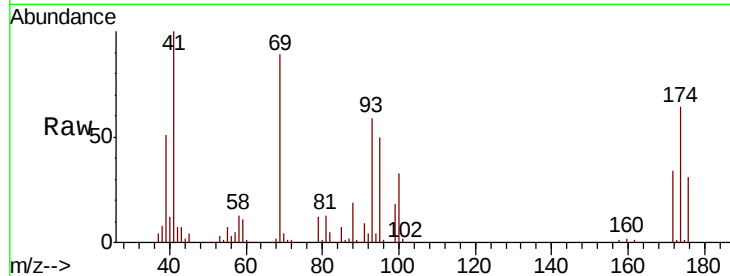
#49
1,4-Dioxane
Concen: 848.322 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	95766
Ion	Ratio	Lower	Upper
88	100		
43	32.8	26.6	40.0
58	68.4	58.4	87.6

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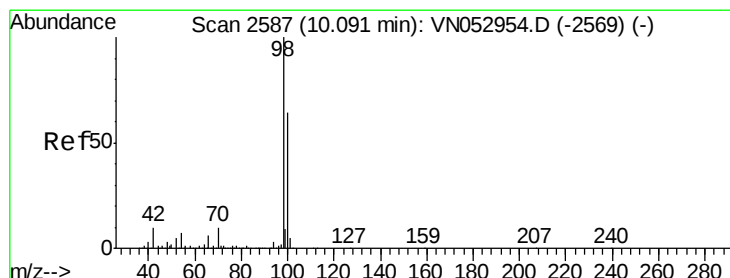
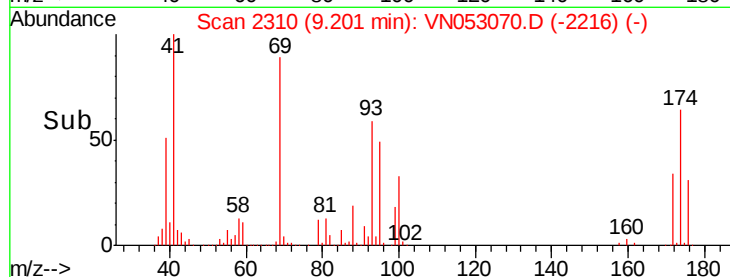
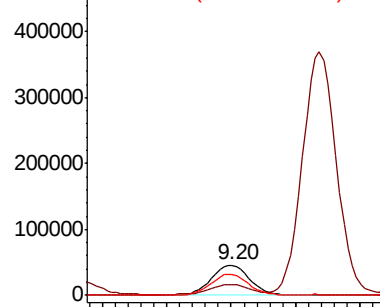


Abundance

Ion 88.00 (87.70 to 88.70): VN053070.D (-2216) (-)

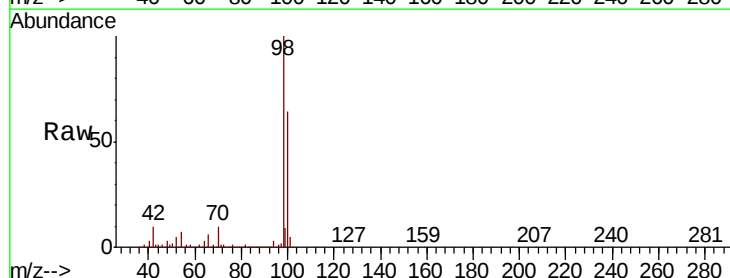
Ion 43.00 (42.70 to 43.70): VN053070.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053070.D (-2216) (-)



#50
Toluene-d8
Concen: 848.322 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

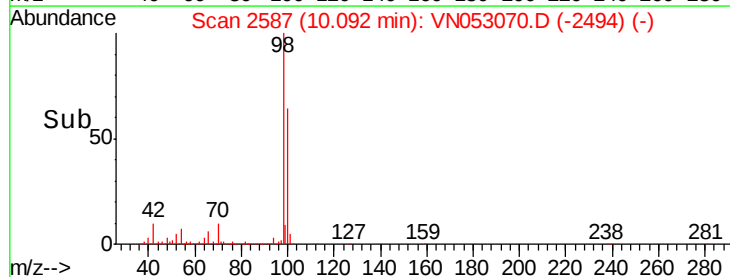
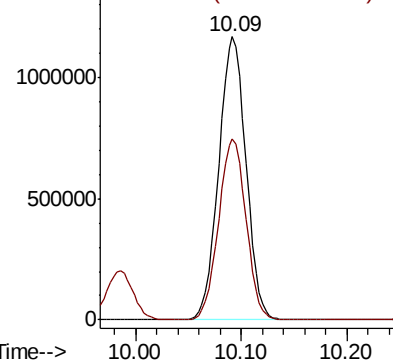
Tgt Ion	98	Resp	2087287
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4

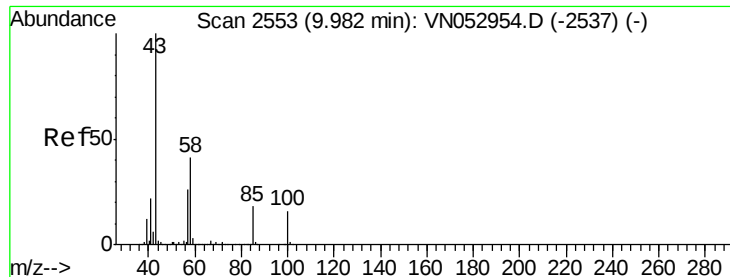


Abundance

Ion 98.00 (97.70 to 98.70): VN053070.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053070.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 258.399 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2301408

Ion Ratio Lower Upper

43 100

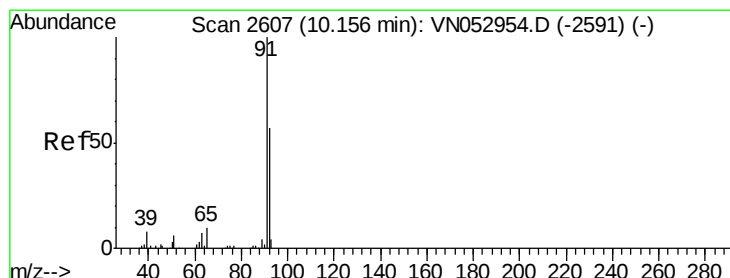
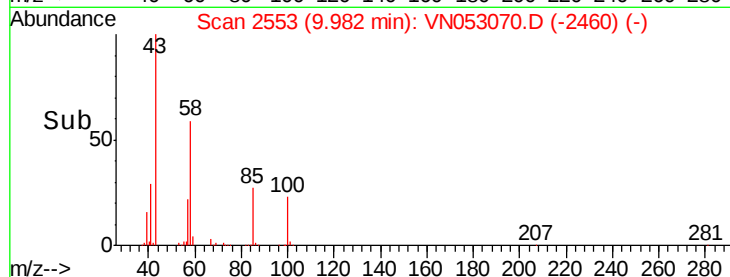
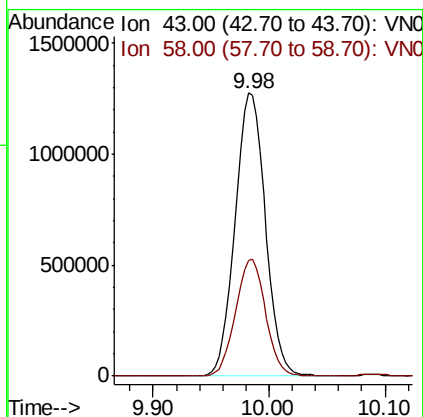
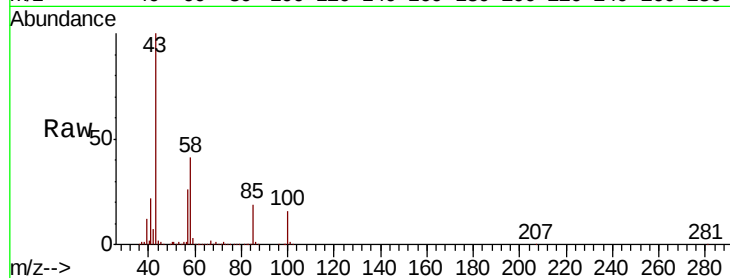
58 40.9 32.2 48.4

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#52

Toluene

Concen: 49.183 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053070.D

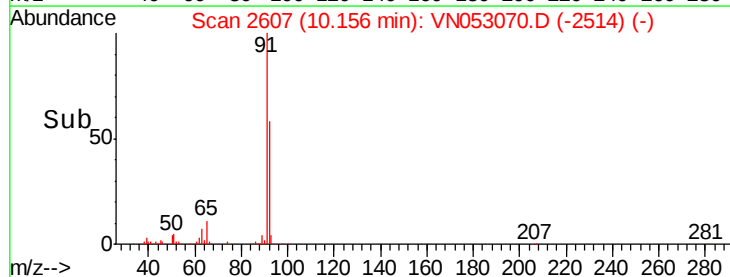
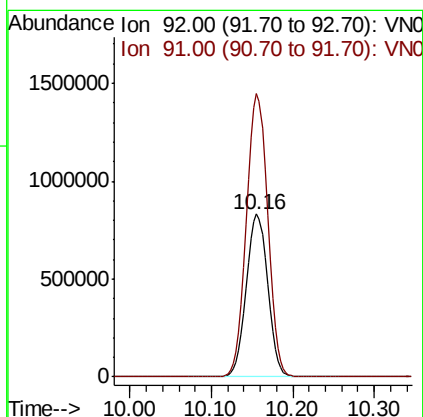
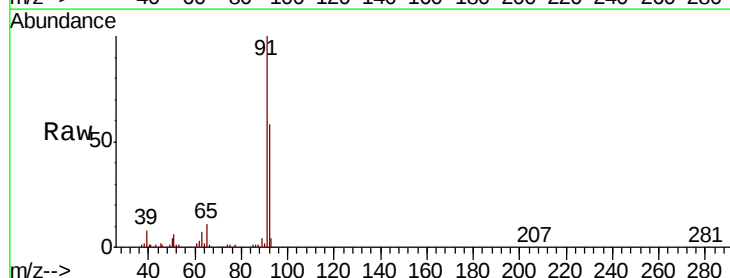
Acq: 20 Dec 2018 21:42

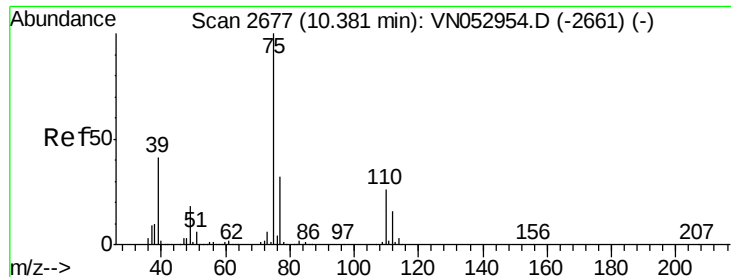
Tgt Ion: 92 Resp: 1493849

Ion Ratio Lower Upper

92 100

91 173.4 139.8 209.6





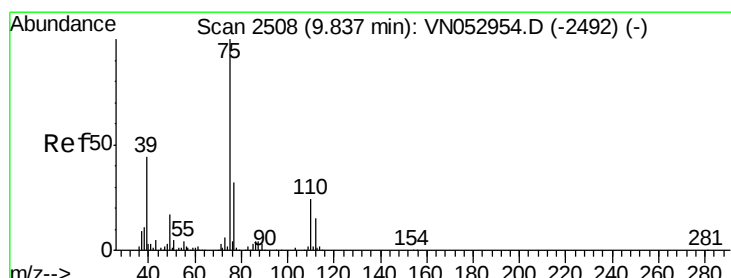
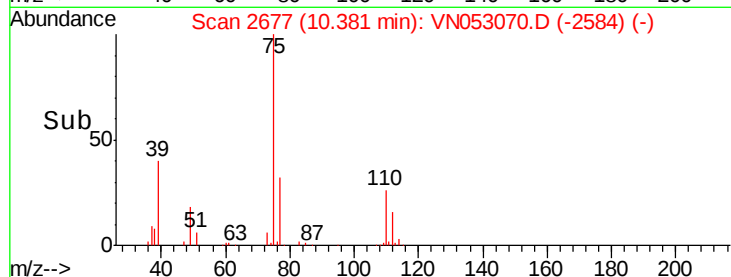
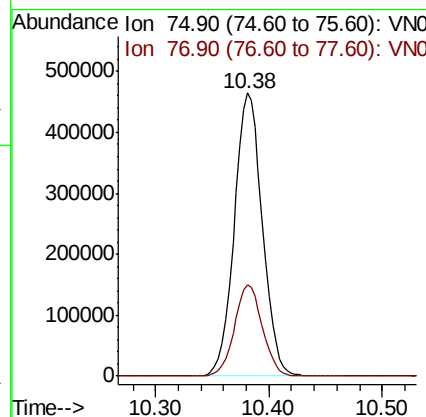
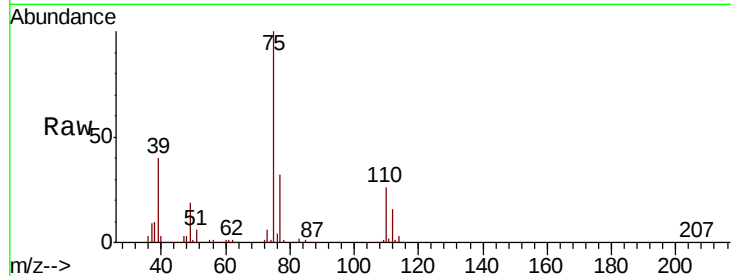
#53
t-1,3-Dichloropropene
Concen: 48.140 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.6	38.4

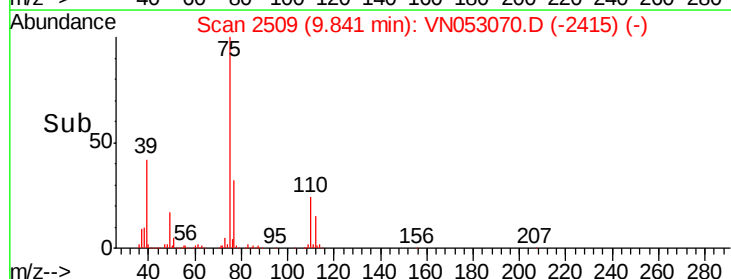
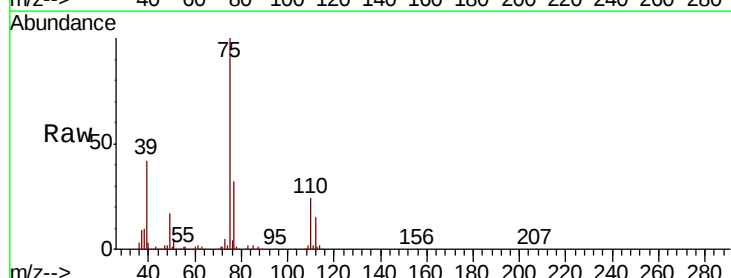
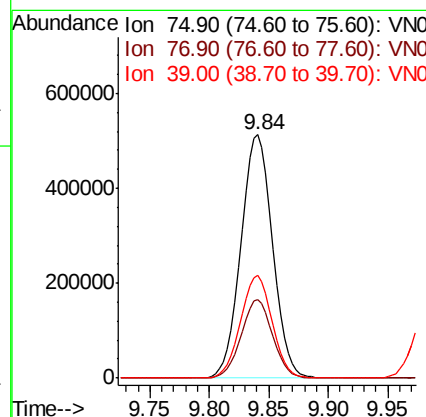
Manual Integrations
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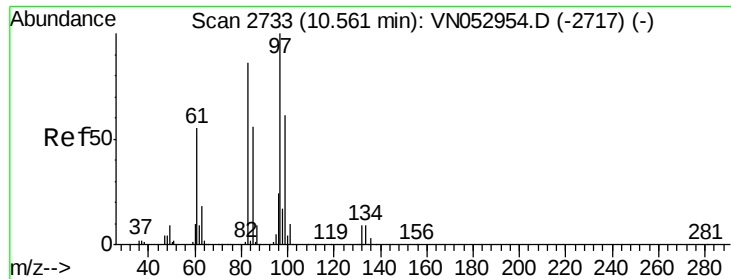
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#54
cis-1,3-Dichloropropene
Concen: 49.633 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.8	38.8
39	42.0	34.8	52.2





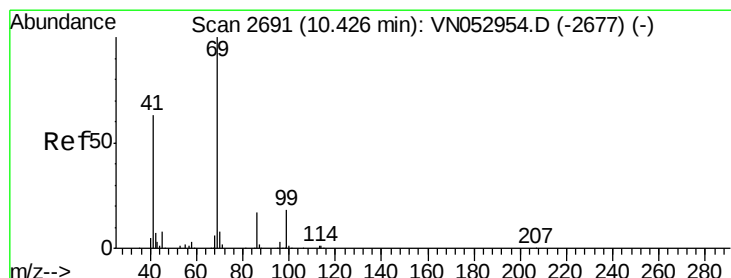
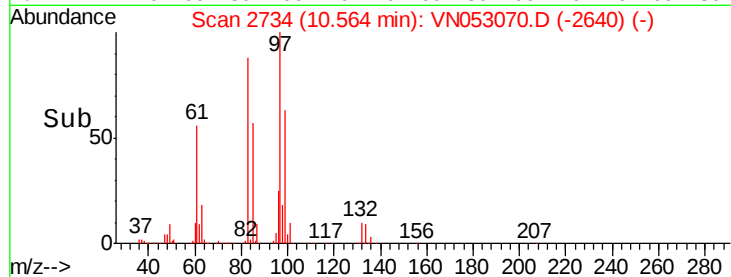
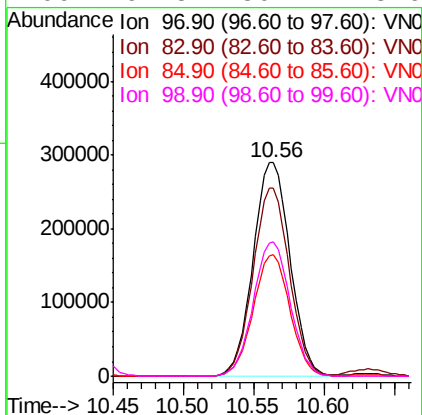
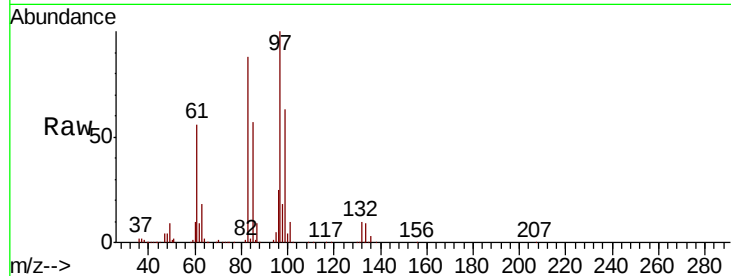
#55
 1,1,2-Trichloroethane
 Concen: 50.120 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053070.D
 Acq: 20 Dec 2018 21:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	531083
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.9	106.3
85	56.9	45.4	68.2
99	62.8	50.4	75.6

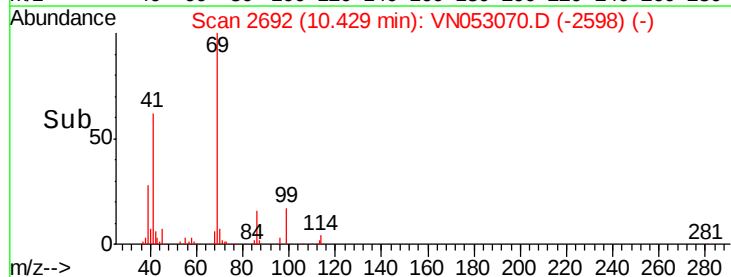
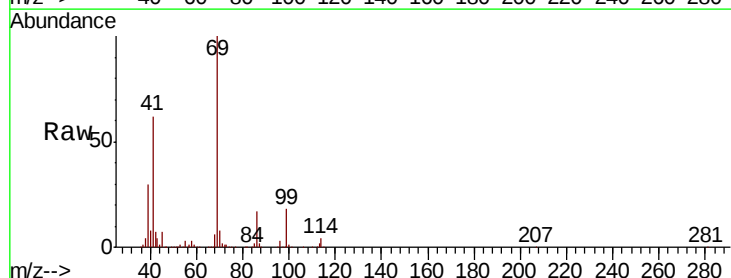
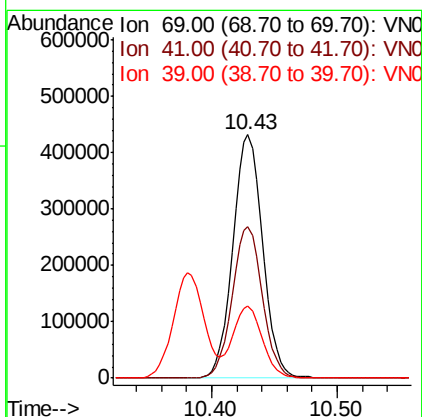
Manual Integrations
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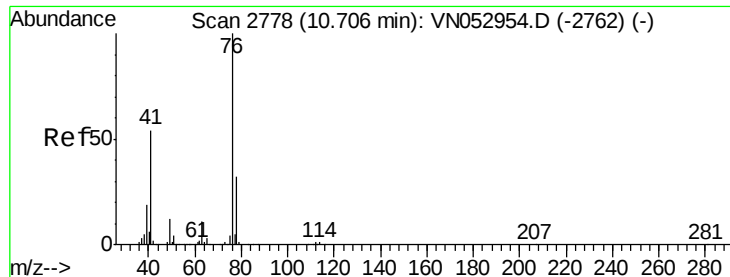
MMDadoda
 12/21/2018 11:31:25 AM



#56
 Ethyl methacrylate
 Concen: 50.905 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053070.D
 Acq: 20 Dec 2018 21:42

Tgt Ion:	69	Resp:	713954
Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.7	77.5
39	29.3	24.6	37.0





#57

1,3-Dichloropropane

Concen: 50.341 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 914740

Ion Ratio Lower Upper

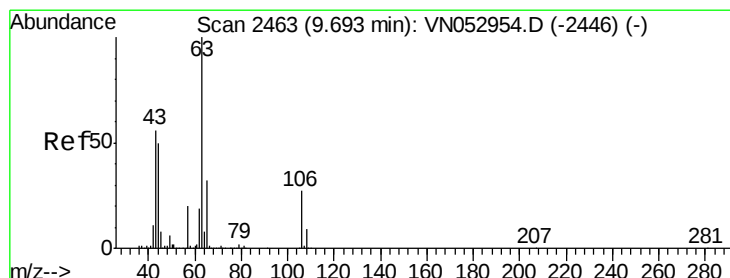
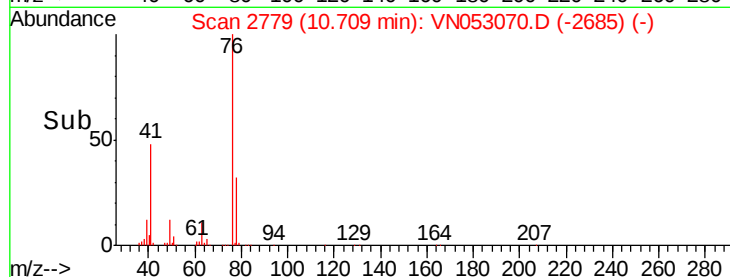
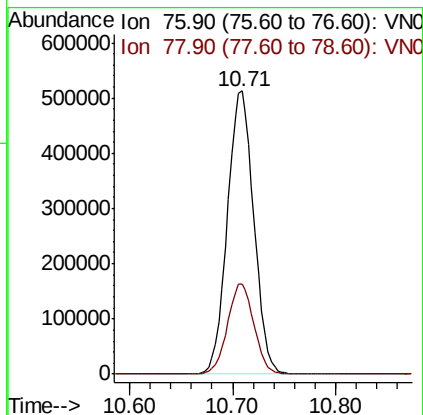
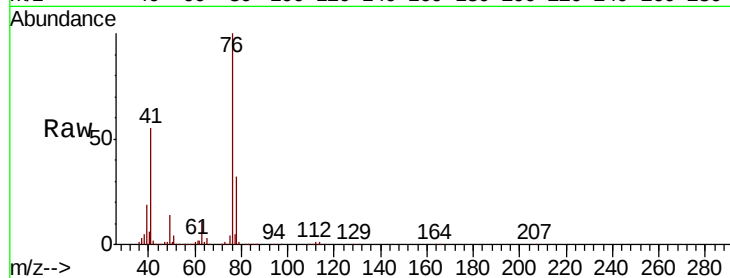
76 100

78 31.9 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 257.865 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053070.D

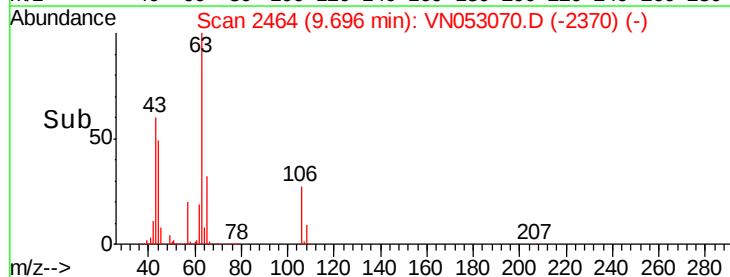
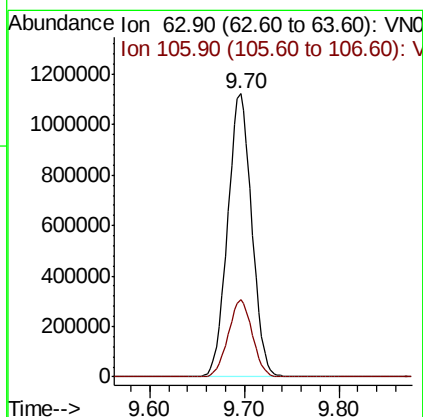
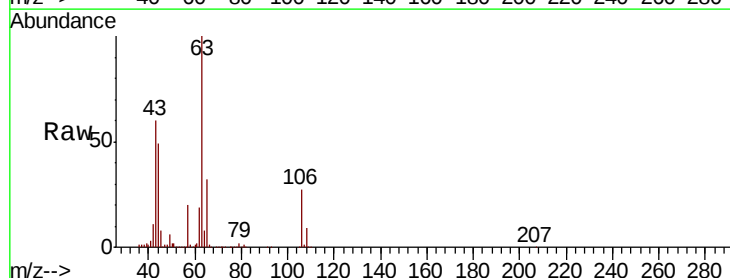
Acq: 20 Dec 2018 21:42

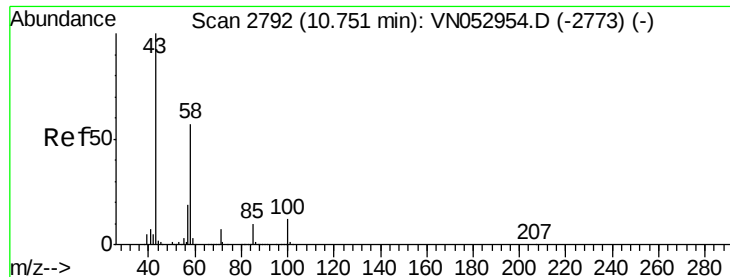
Tgt Ion: 63 Resp: 1985505

Ion Ratio Lower Upper

63 100

106 27.3 21.0 31.6





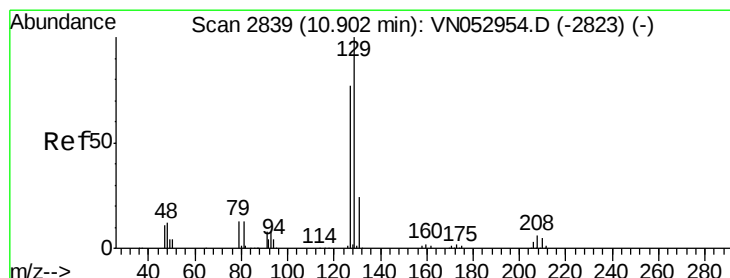
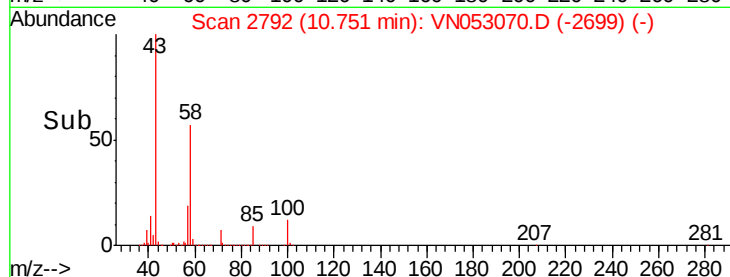
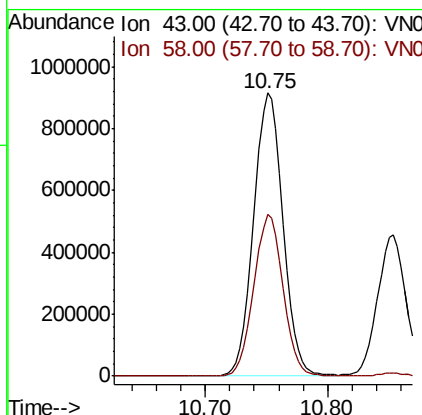
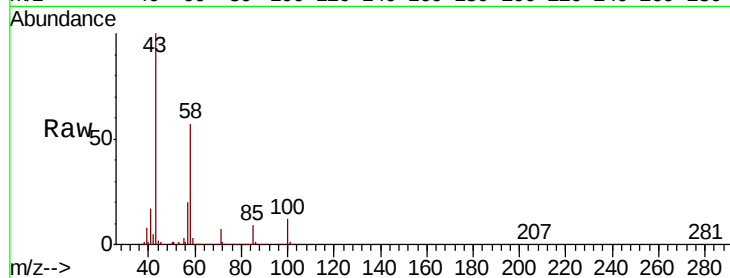
#59
2-Hexanone
Concen: 250.445 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1509158
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3

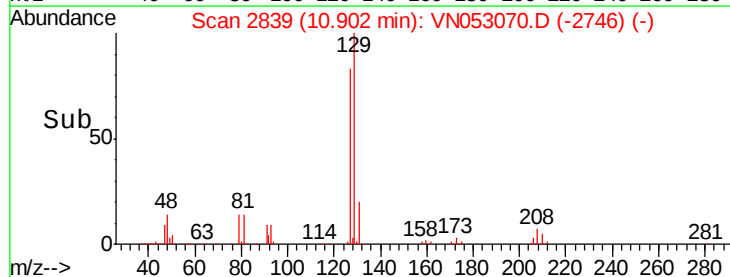
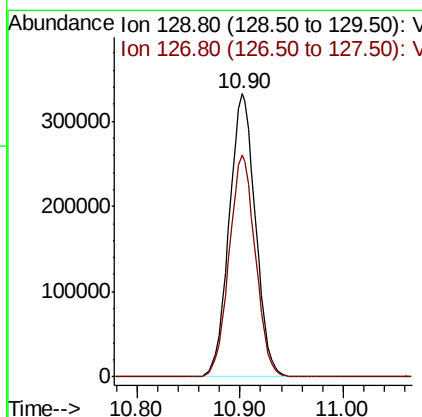
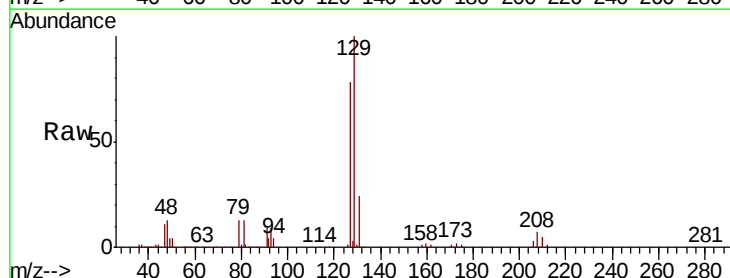
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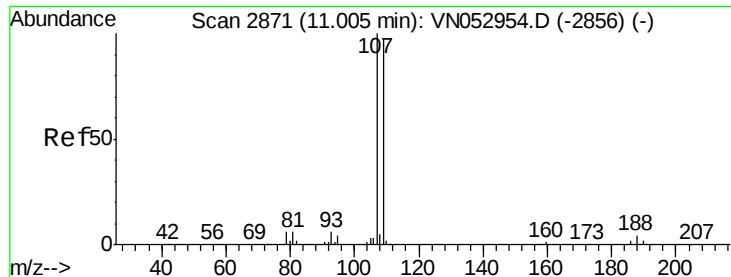
MMDadoda
12/21/2018 11:31:25 AM



#60
Dibromochloromethane
Concen: 48.572 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion: 129 Resp: 589144
Ion Ratio Lower Upper
129 100
127 78.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.079 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDC0050

Tot Ion: 107 Resp: 528176

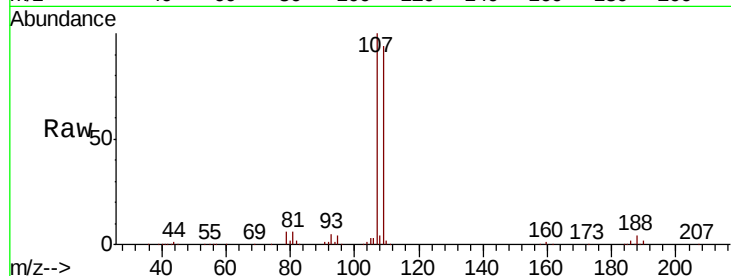
Ion Ratio Lower Upper

107 100

109 94.7 75.4 113.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

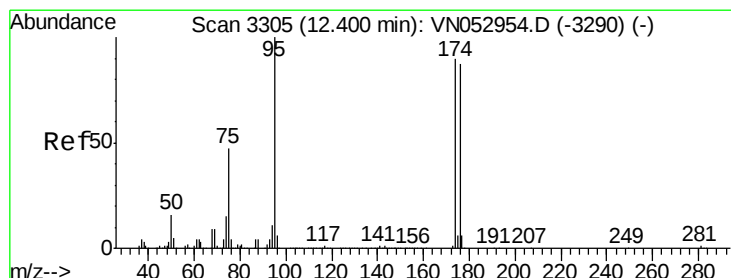
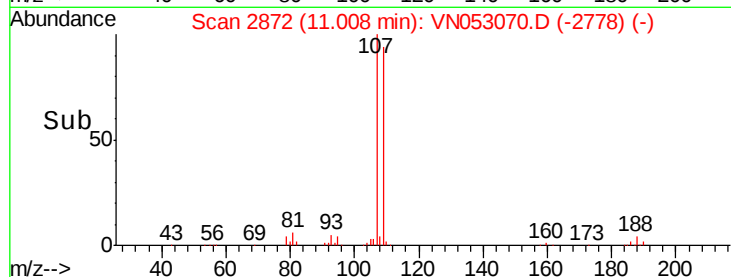
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.079 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

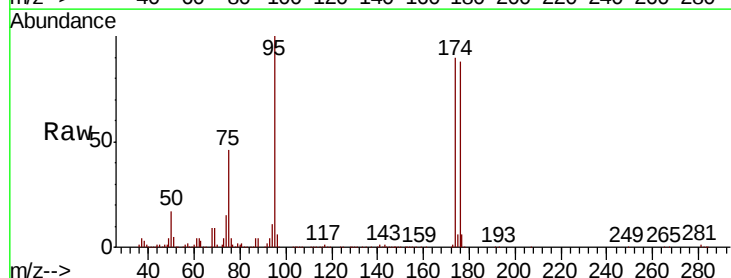
Tgt Ion: 95 Resp: 679845

Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.8

176 87.8 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

500000

400000

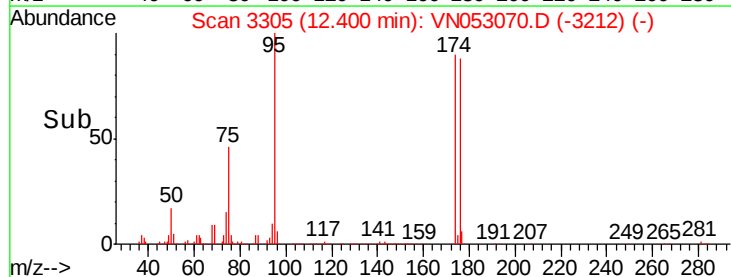
300000

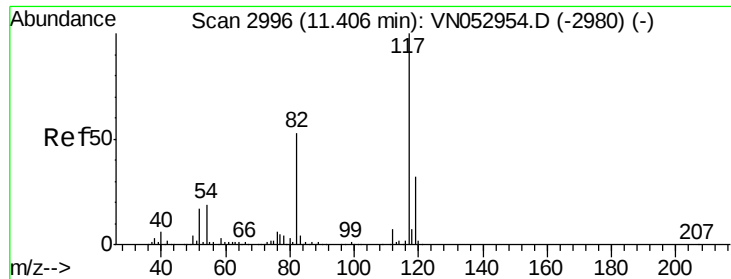
200000

100000

0

Time--> 12.30 12.35 12.40 12.45





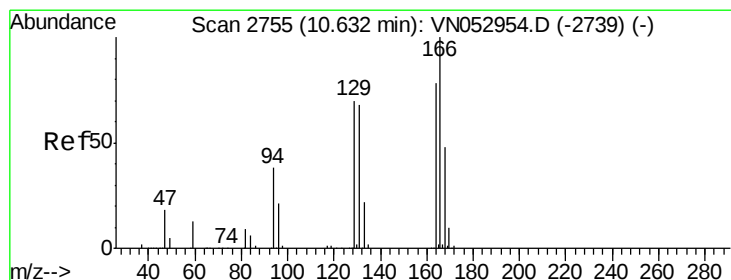
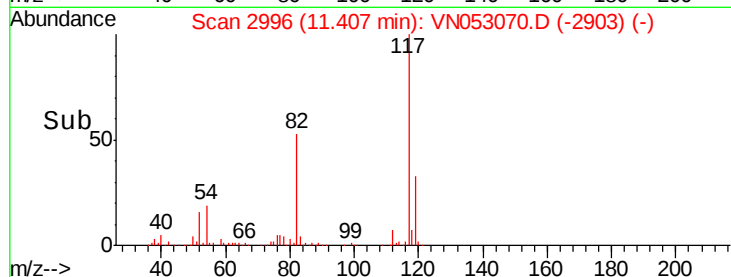
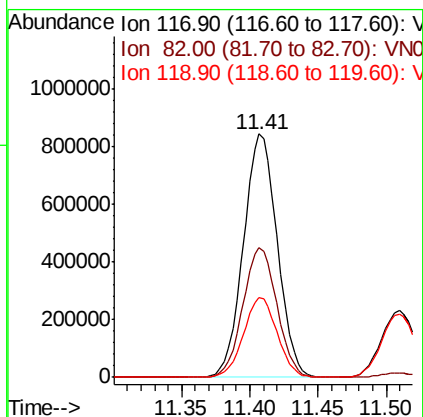
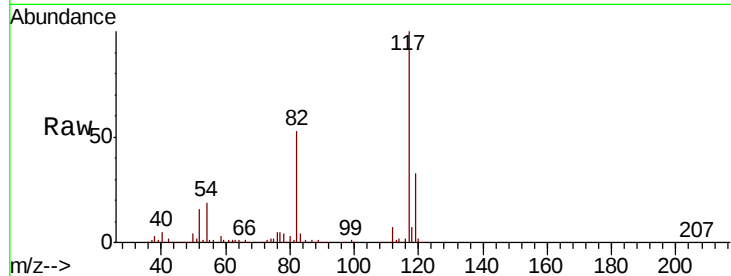
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.8	64.2
119	32.7	25.5	38.3

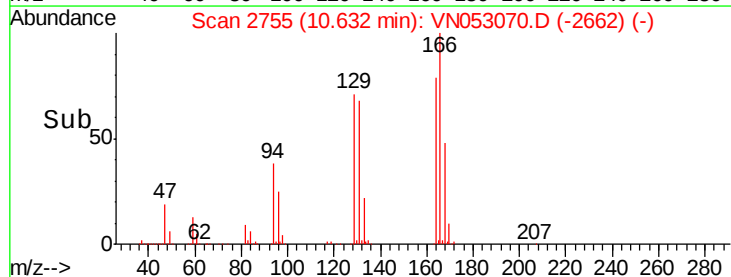
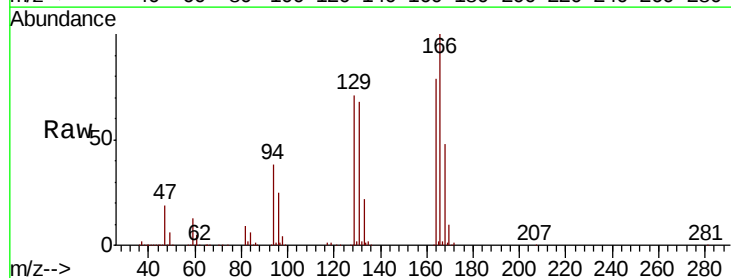
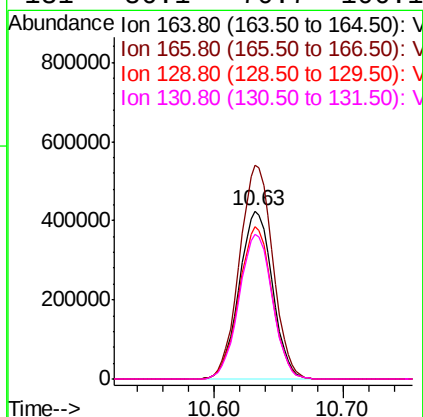
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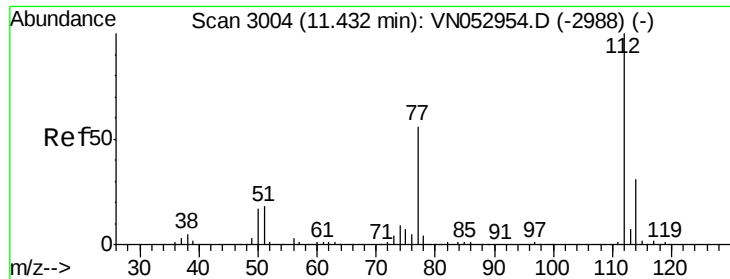
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#64
Tetrachloroethene
Concen: 48.525 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.9	154.3
129	90.4	73.7	110.5
131	86.1	70.7	106.1





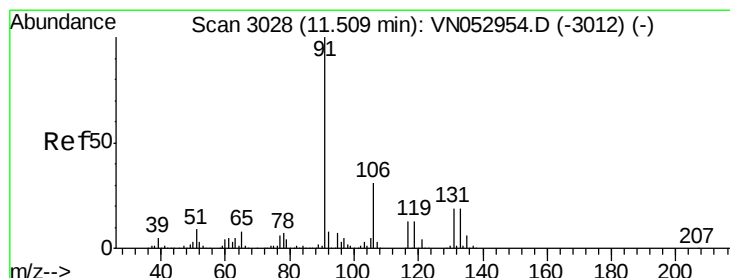
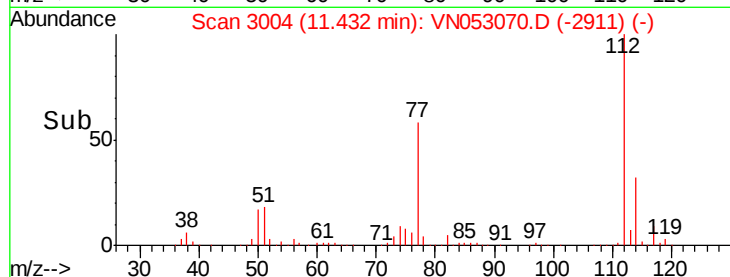
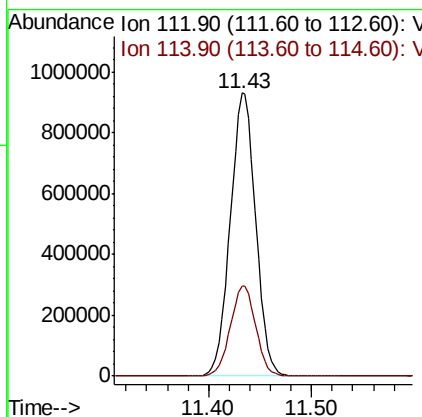
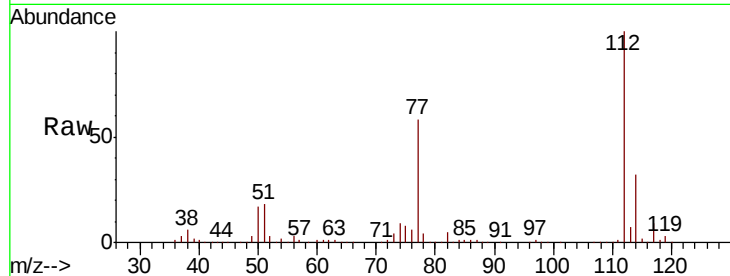
#65
Chlorobenzene
Concen: 49.729 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1599954
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

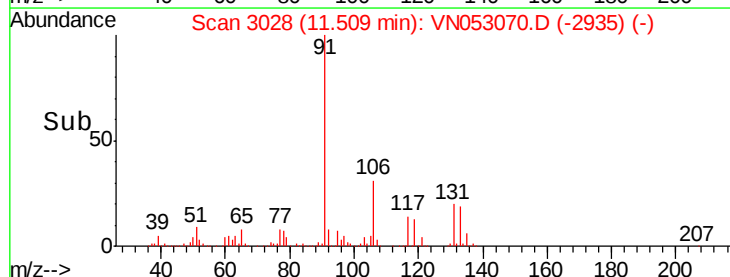
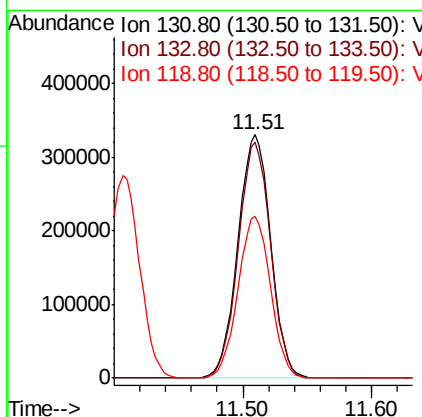
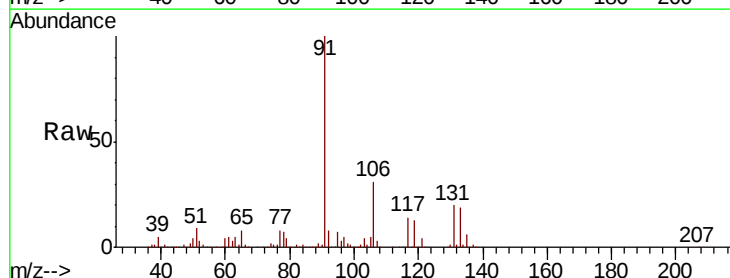
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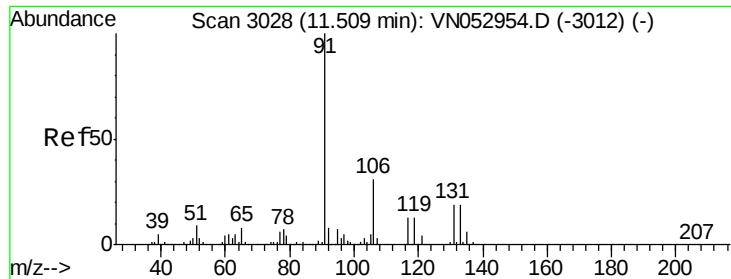
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.200 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion:131 Resp: 584022
Ion Ratio Lower Upper
131 100
133 95.6 47.6 142.9
119 66.1 33.3 99.8





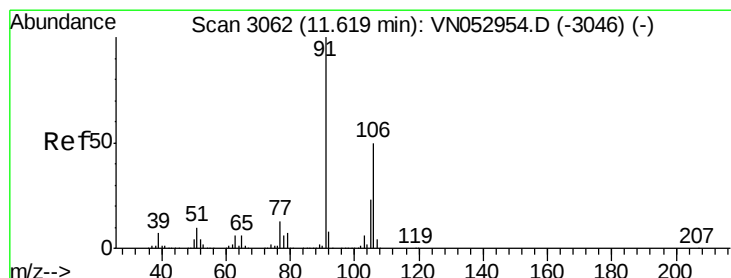
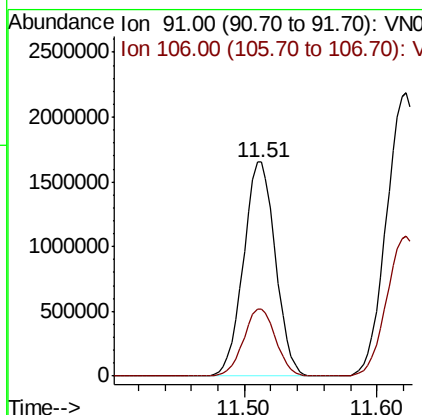
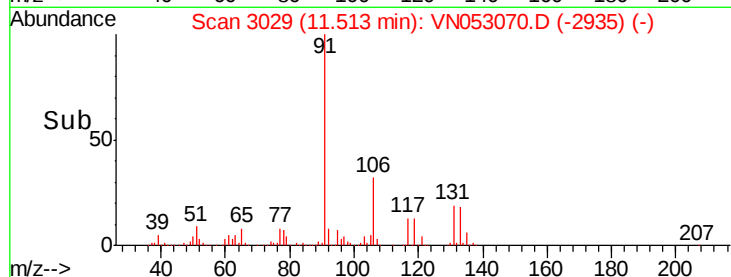
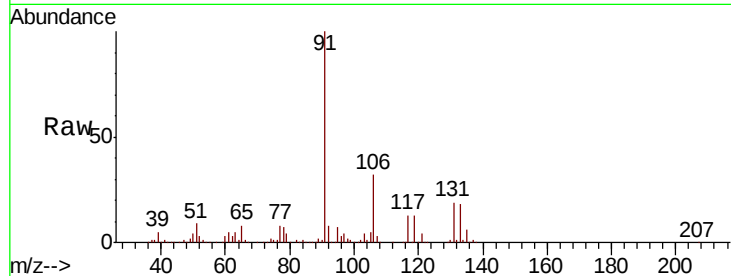
#67
Ethyl Benzene
Concen: 49.960 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2764294
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3

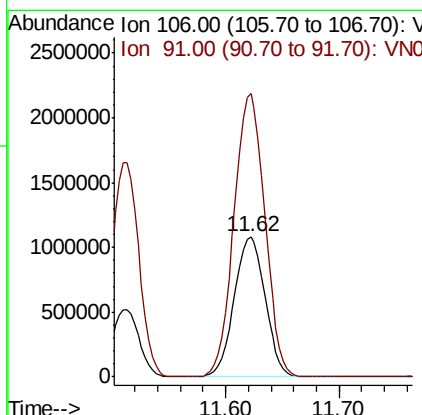
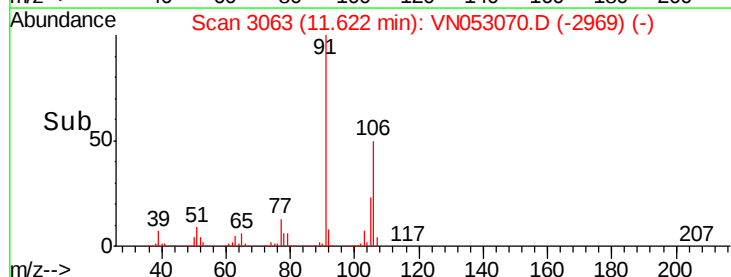
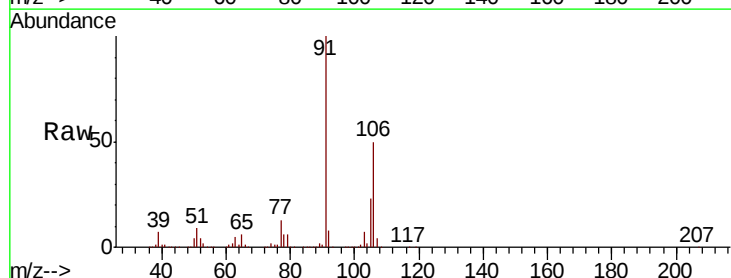
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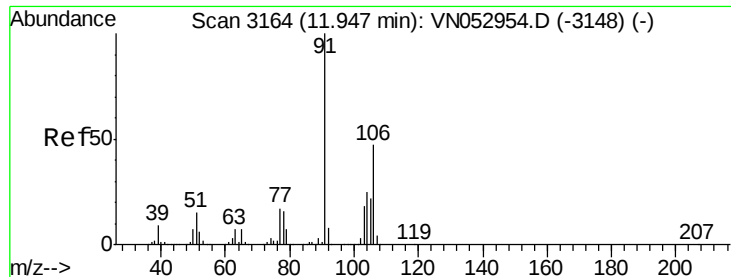
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#68
m/p-Xylenes
Concen: 97.762 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion: 106 Resp: 2056329
Ion Ratio Lower Upper
106 100
91 202.4 162.2 243.4





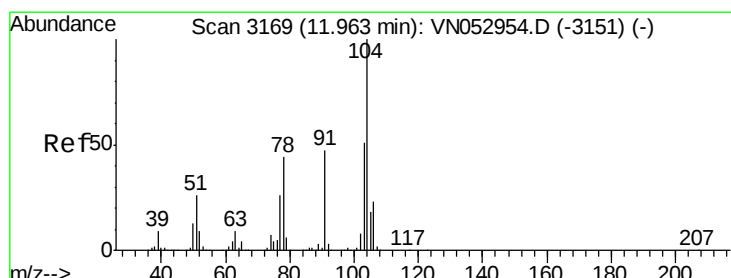
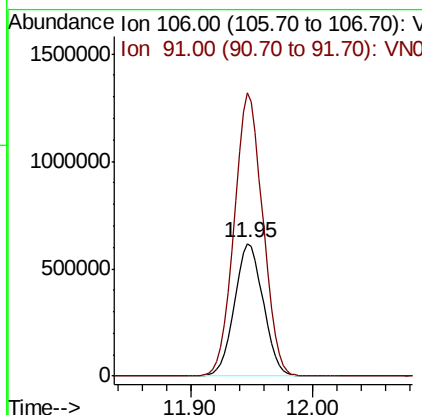
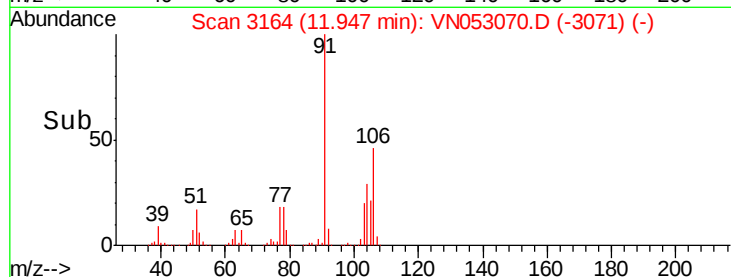
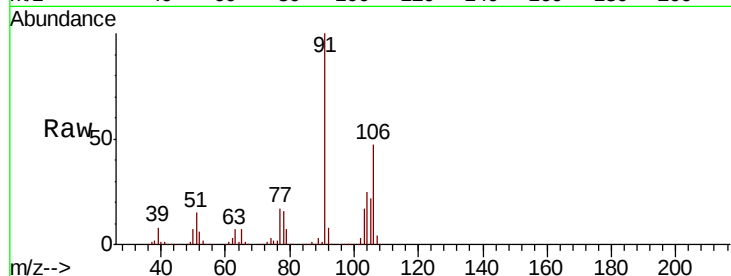
#69
o-Xylene
Concen: 49.926 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1007698
Ion Ratio Lower Upper
106 100
91 212.6 106.6 319.8

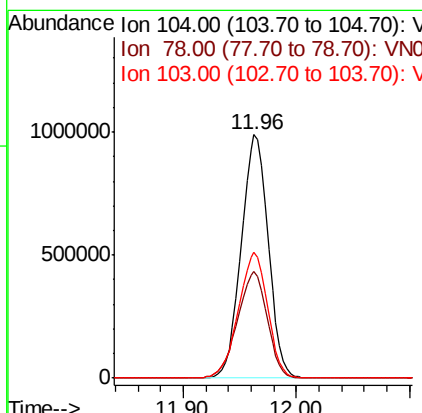
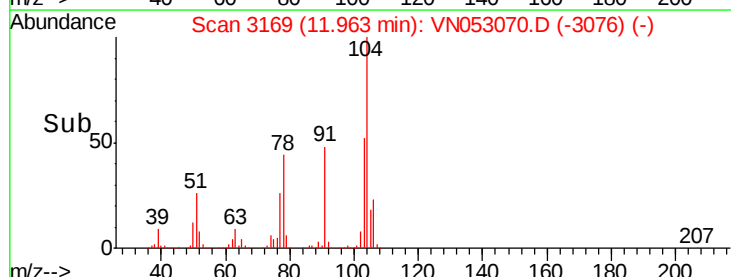
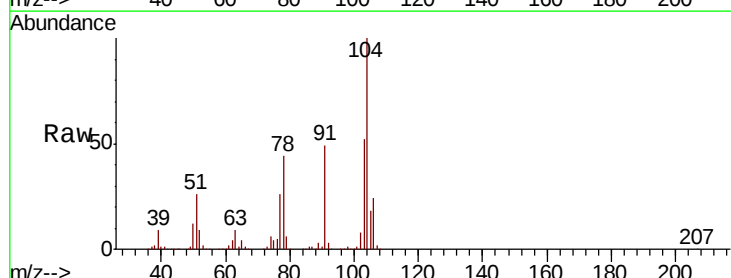
Manual Integrations
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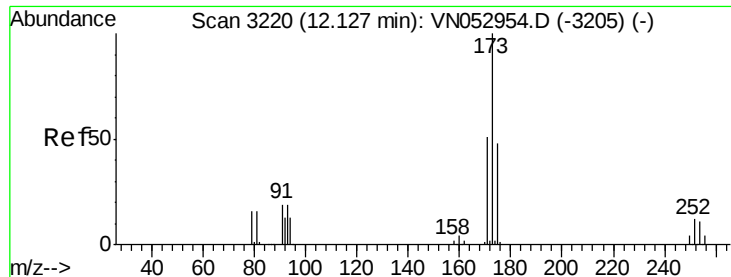
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#70
Styrene
Concen: 50.118 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion:104 Resp: 1649475
Ion Ratio Lower Upper
104 100
78 47.9 38.9 58.3
103 55.7 44.3 66.5





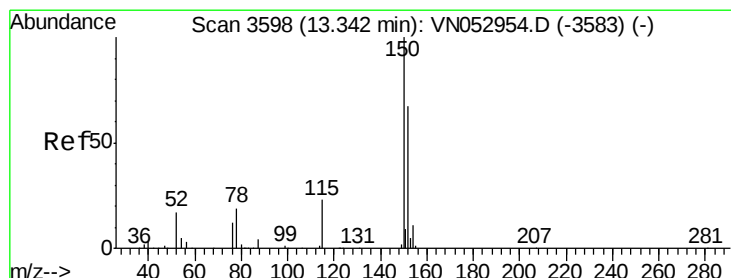
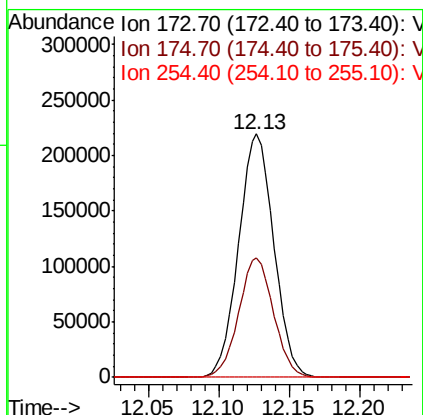
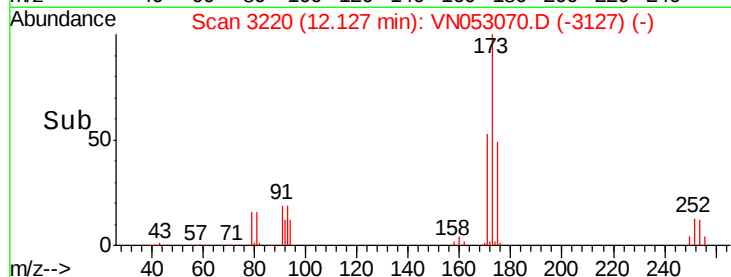
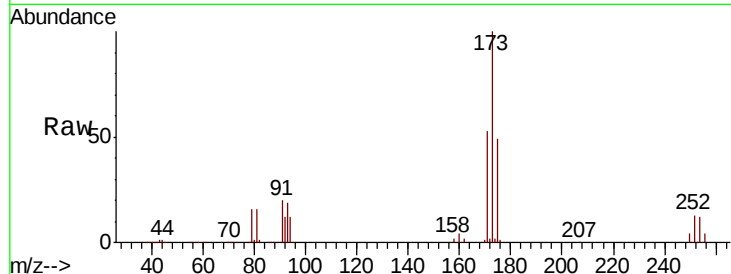
#71
Bromoform
Concen: 47.415 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.9
254	0.1	0.1	0.1

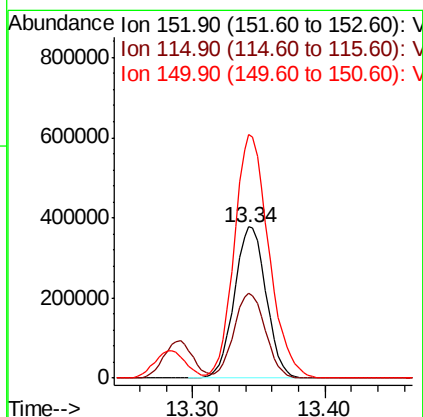
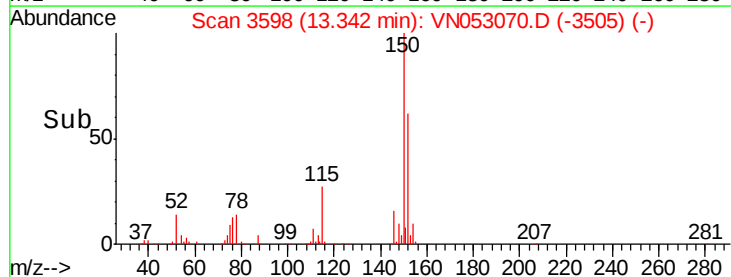
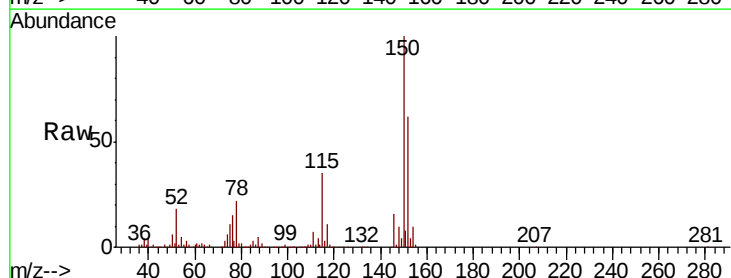
Manual Integrations
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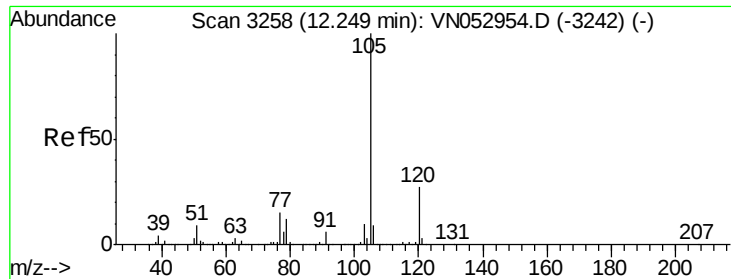
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.3	85.0
150	175.1	0.0	347.8





#73

Isopropylbenzene

Concen: 54.354 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2659409

Ion Ratio Lower Upper

105 100

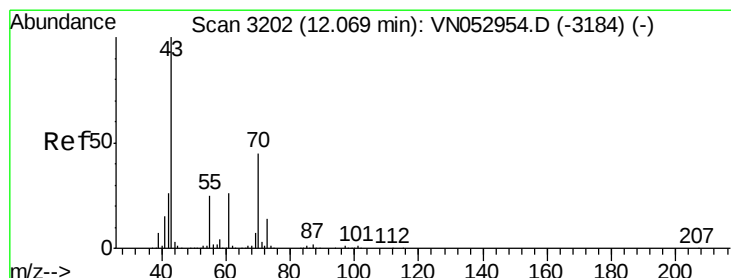
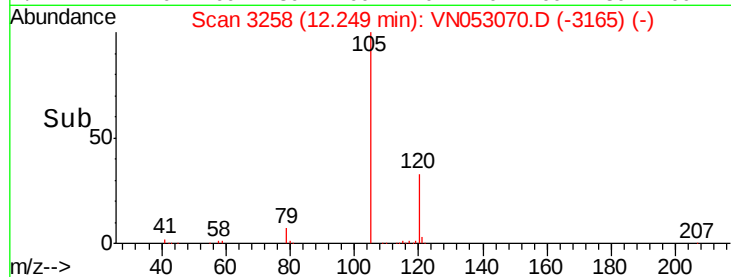
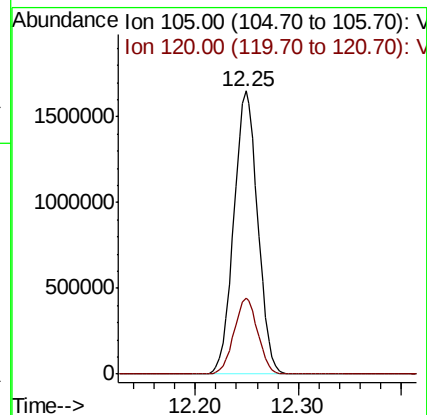
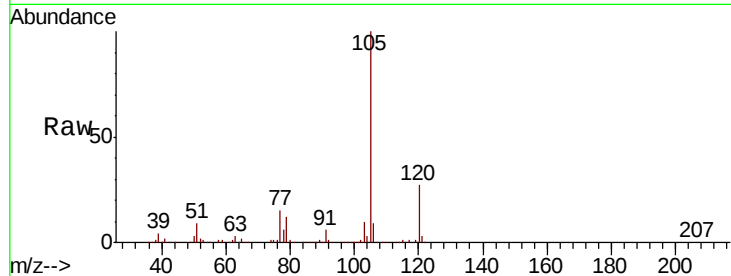
120 26.7 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 55.804 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Tgt Ion: 43 Resp: 758049

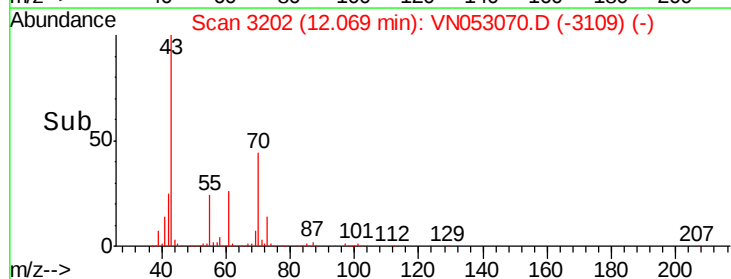
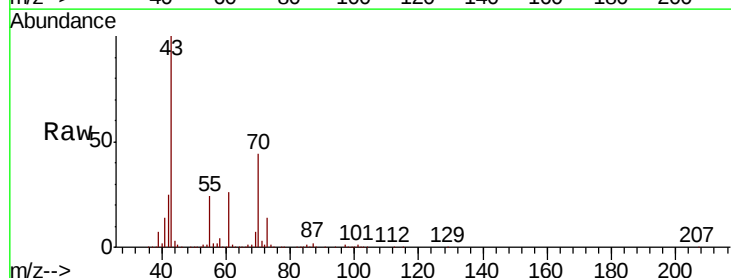
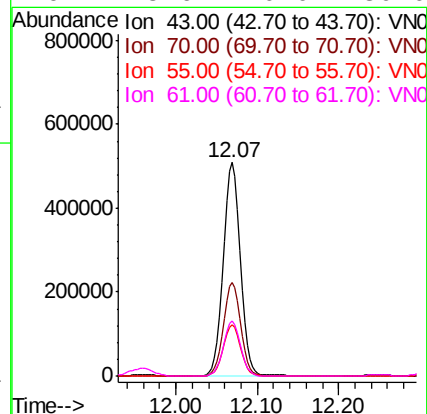
Ion Ratio Lower Upper

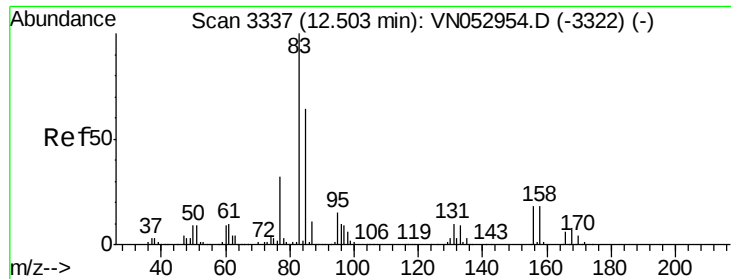
43 100

70 44.2 34.2 51.4

55 24.7 20.3 30.5

61 25.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.697 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 544228
Ion Ratio Lower Upper

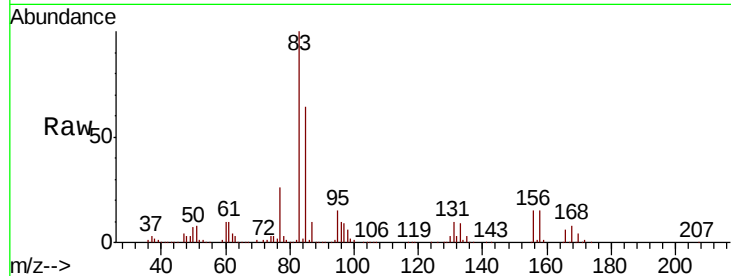
83 100

131 10.6 5.2 15.6

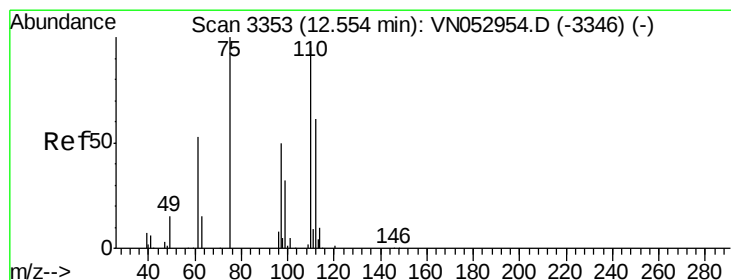
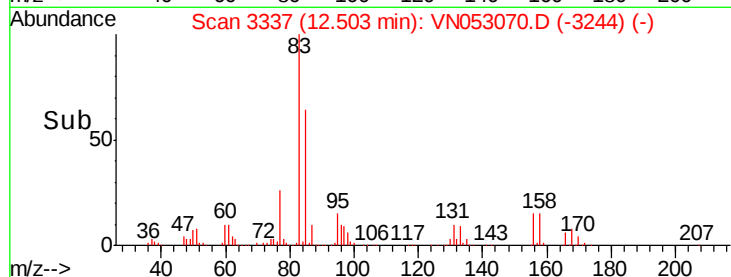
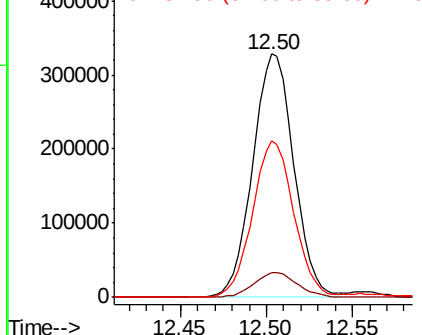
85 64.3 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 45.818 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

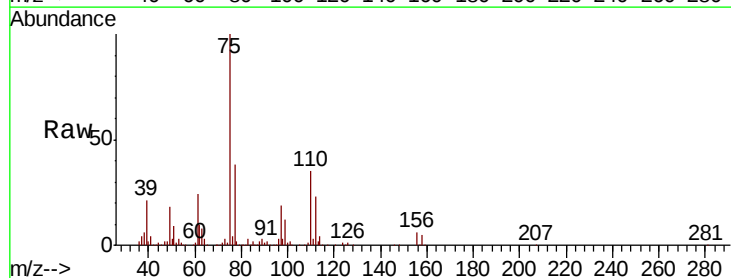
Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

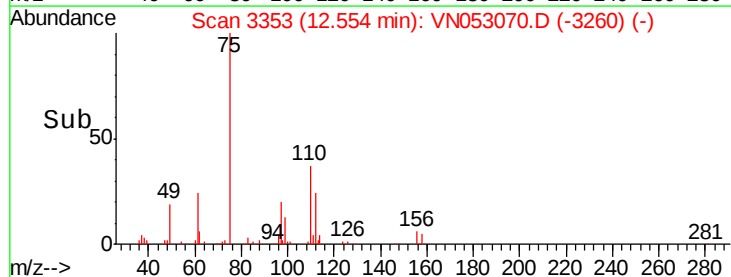
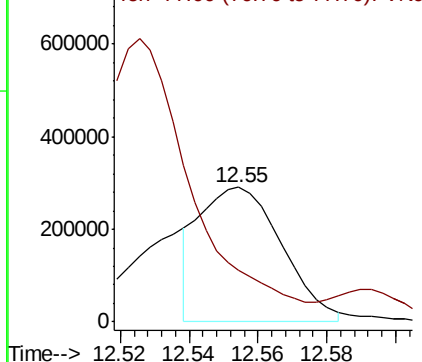
Tgt Ion: 75 Resp: 482328
Ion Ratio Lower Upper

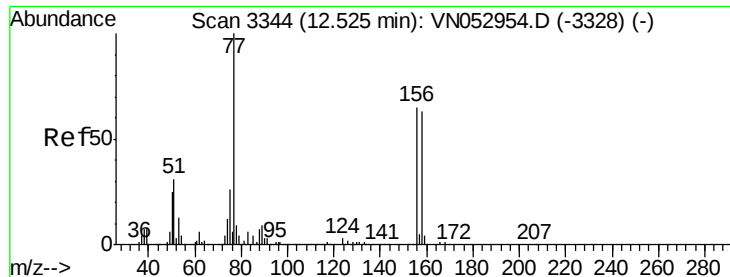
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 52.557 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

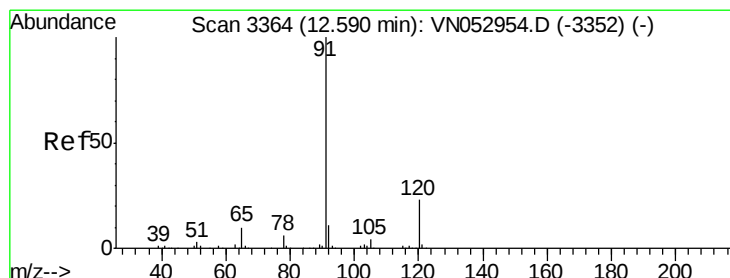
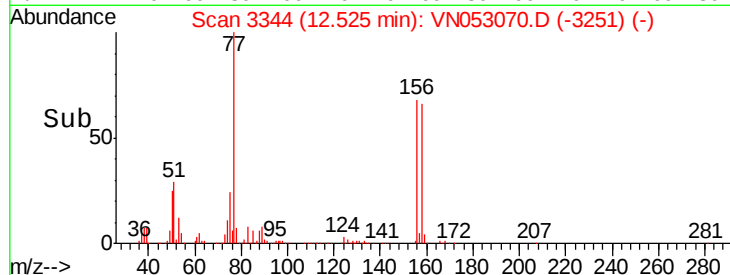
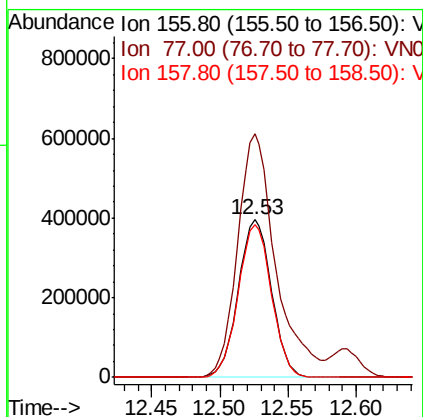
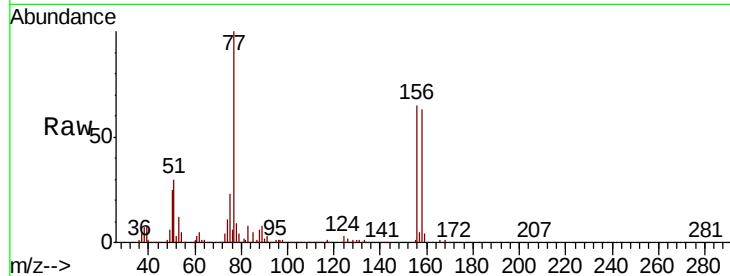
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	668445
Ion Ratio	Lower	Upper	
156	100		
77	178.7	91.3	273.8
158	97.1	49.0	147.2

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#78

n-propylbenzene

Concen: 52.577 ug/l

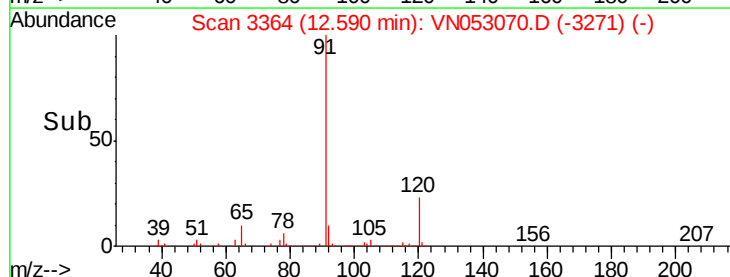
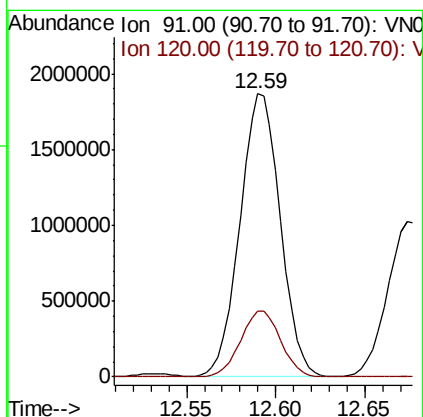
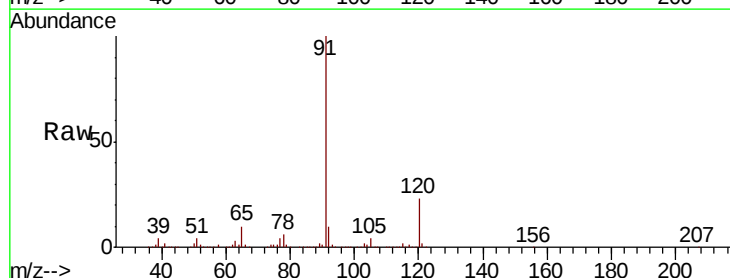
RT: 12.59 min Scan# 3364

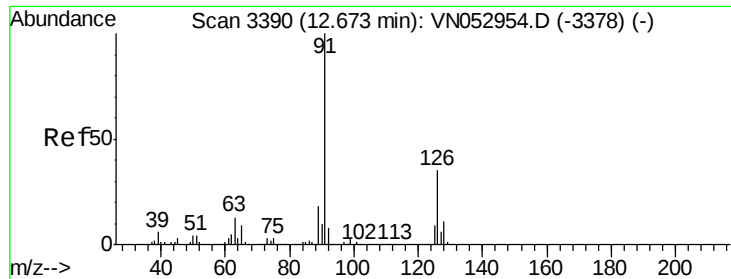
Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Tgt Ion:	91	Resp:	2929783
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 50.026 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1727927

Ion Ratio Lower Upper

91 100

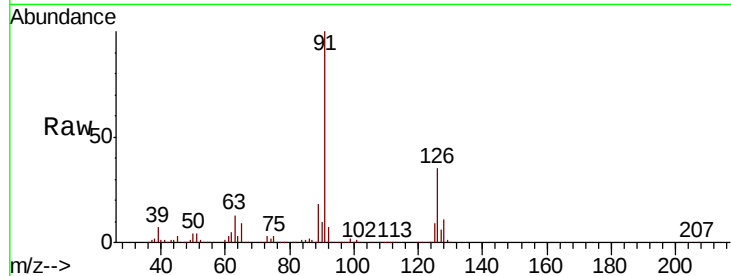
126 35.1 17.4 52.3

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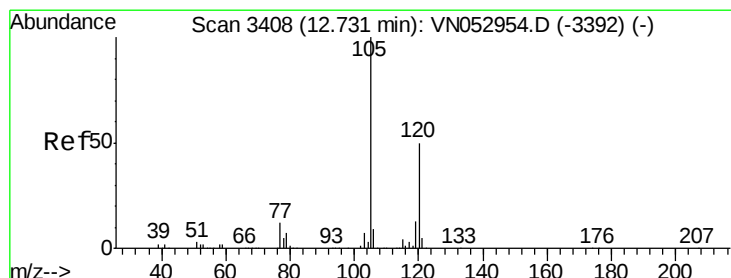
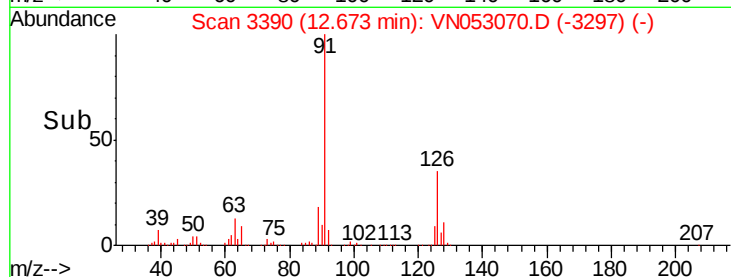
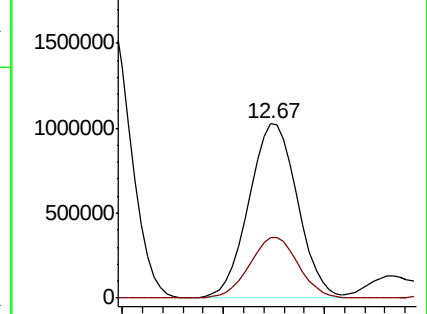
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Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.294 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053070.D

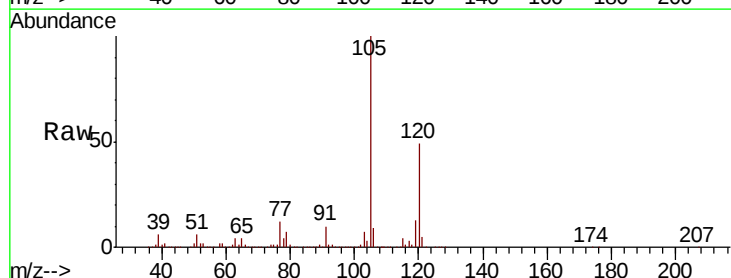
Acq: 20 Dec 2018 21:42

Tgt Ion:105 Resp: 2045633

Ion Ratio Lower Upper

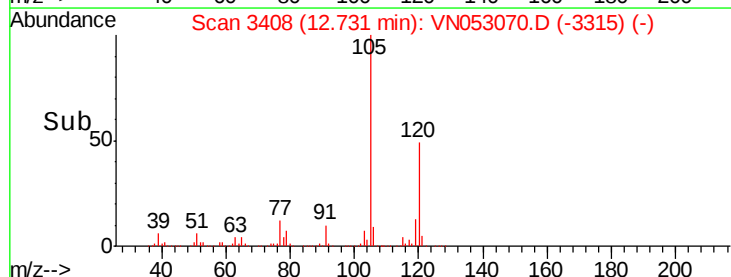
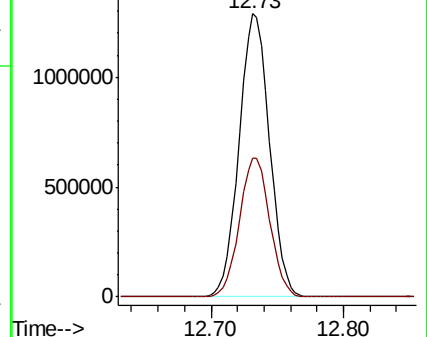
105 100

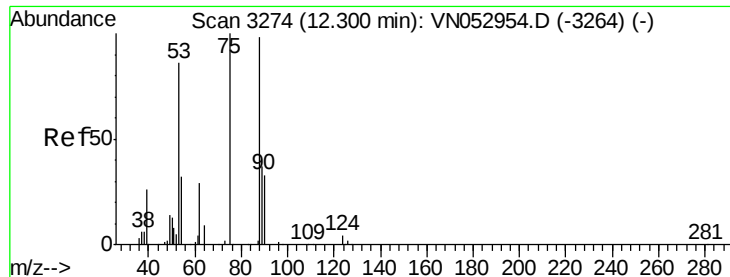
120 49.0 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)





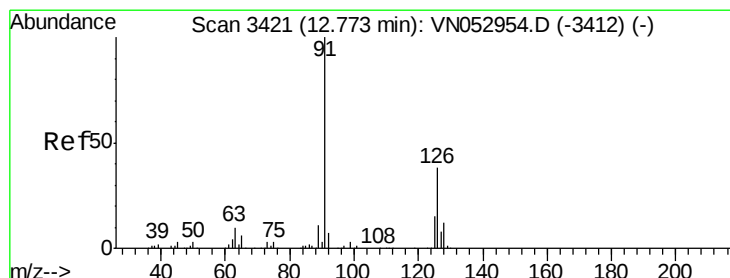
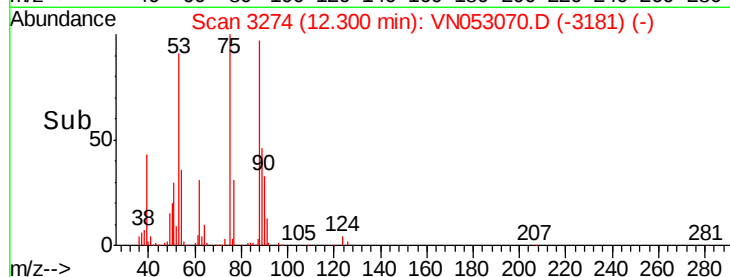
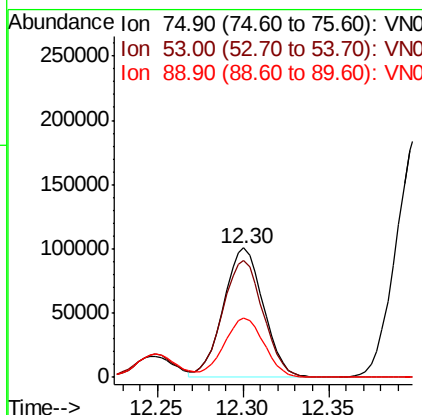
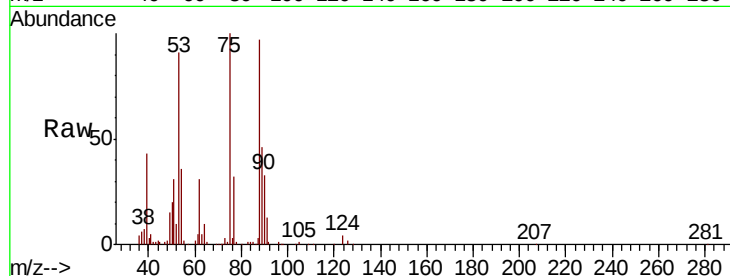
#81
trans-1,4-Dichloro-2-butene
Concen: 50.311 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.7	74.7	112.1
89	45.8	36.1	54.1

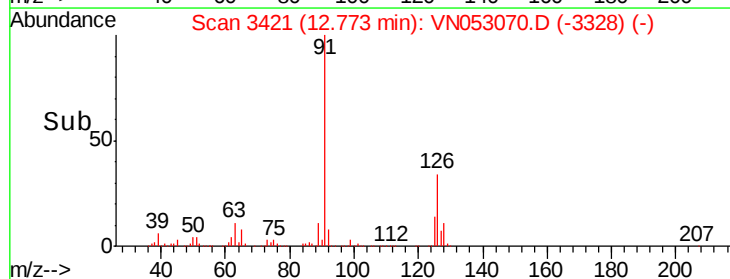
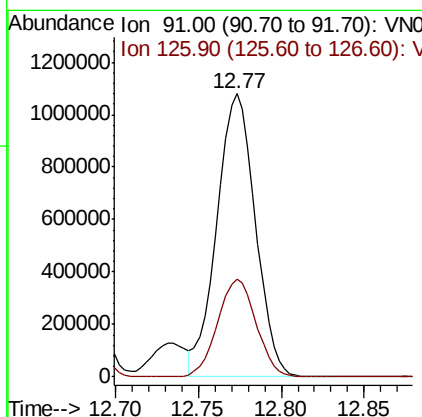
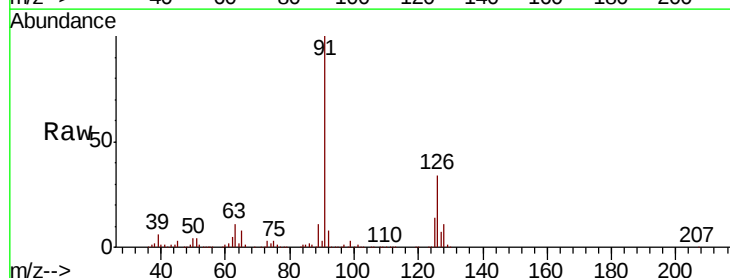
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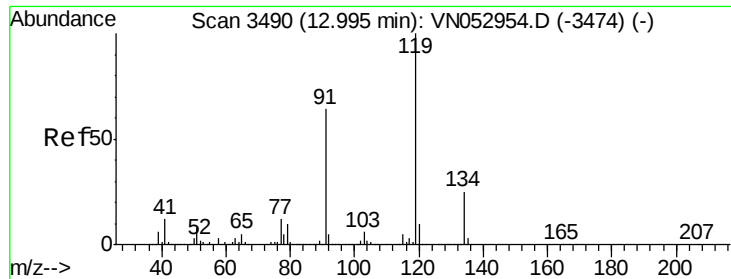
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#82
4-Chlorotoluene
Concen: 51.471 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.3	51.7





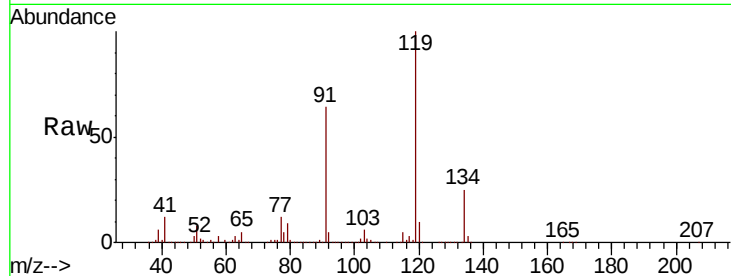
#83
tert-Butylbenzene
Concen: 51.128 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

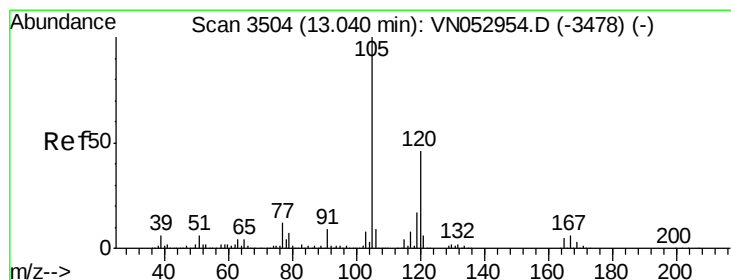
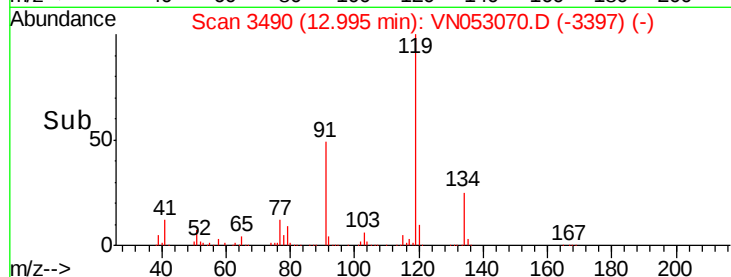
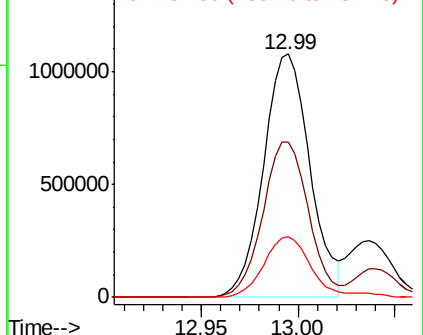
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.9	95.5
134	25.7	12.8	38.4

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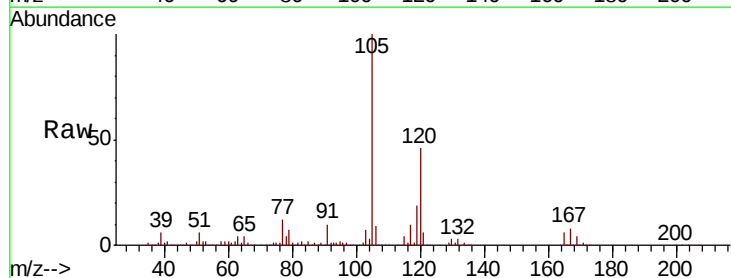


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

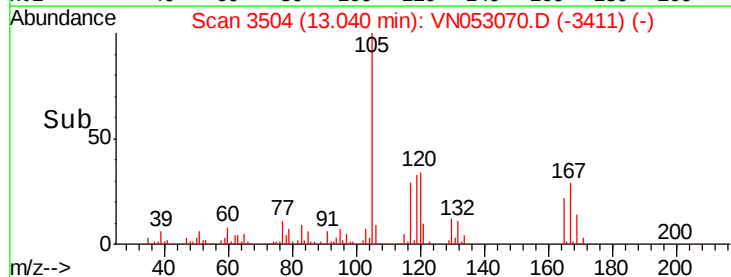
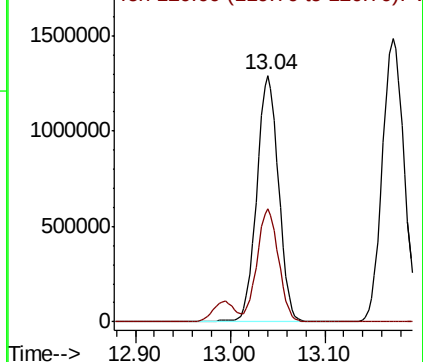


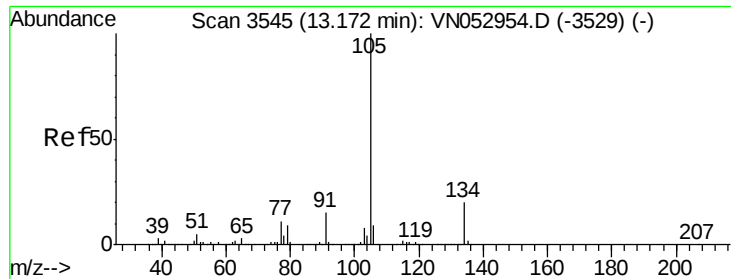
#84
1,2,4-Trimethylbenzene
Concen: 51.381 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.9	68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.710 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2371485

Ion Ratio Lower Upper

105 100

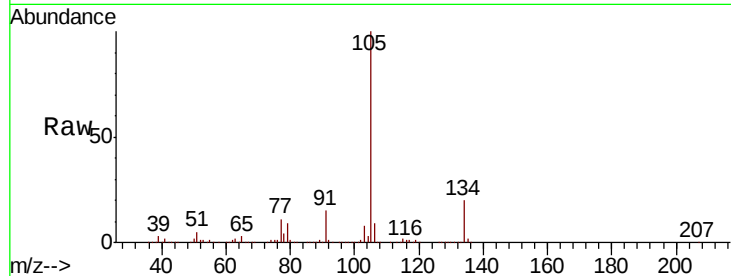
134 20.4 10.1 30.3

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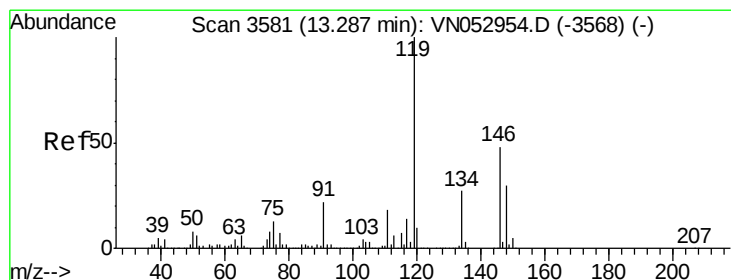
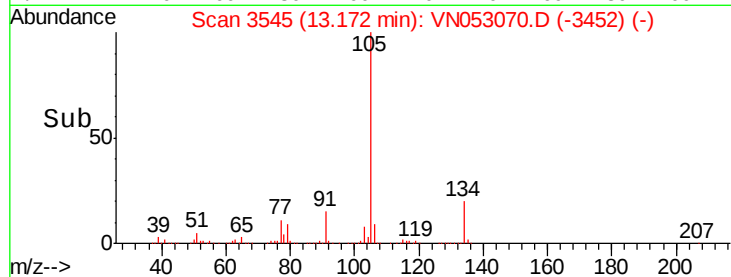
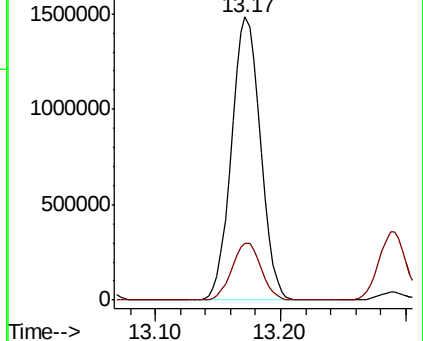
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.447 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

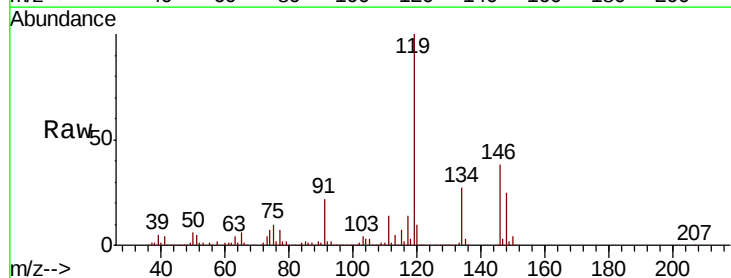
Tgt Ion:119 Resp: 2038342

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

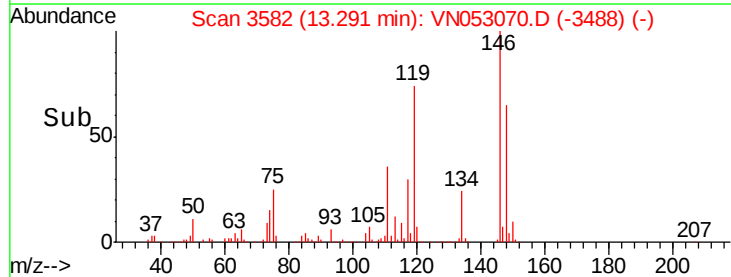
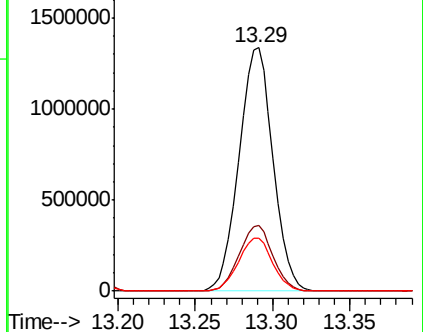
91 21.9 11.1 33.3

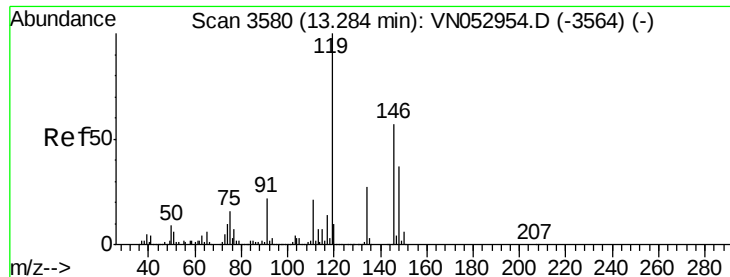


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.249 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Instrument :

MSVOA_N

ClientSampleId :

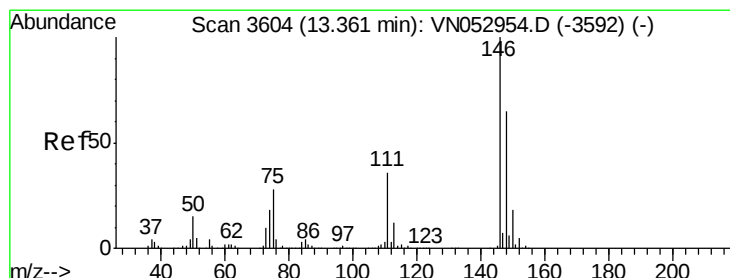
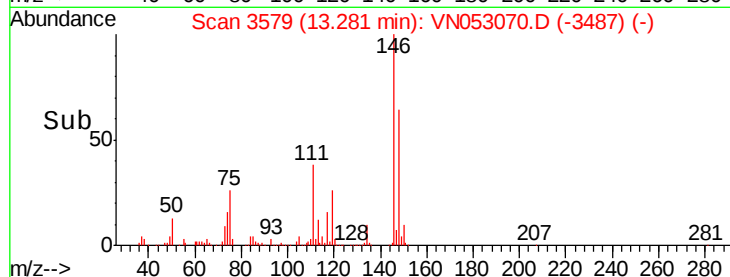
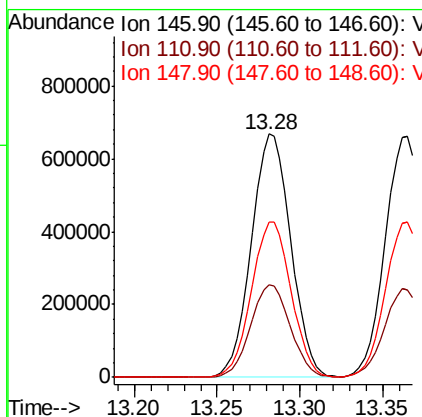
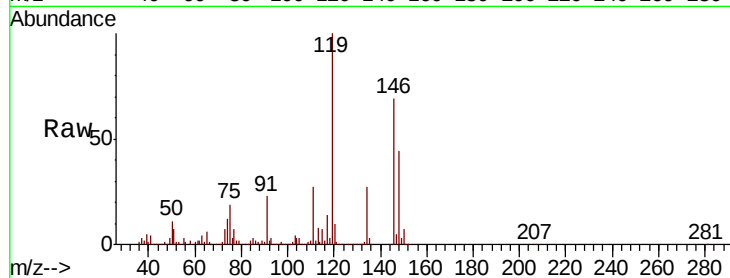
VSTDCCC050

Tot Ion:146 Resp: 1108604

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	64.2	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 48.107 ug/l

RT: 13.36 min Scan# 3605

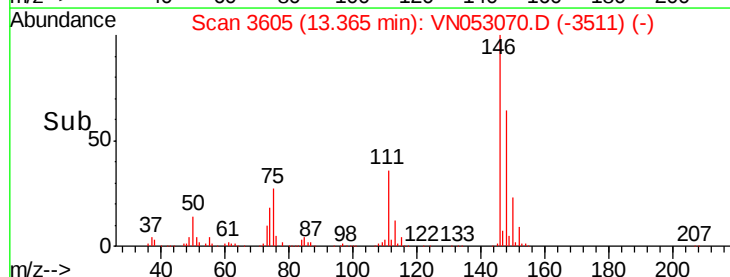
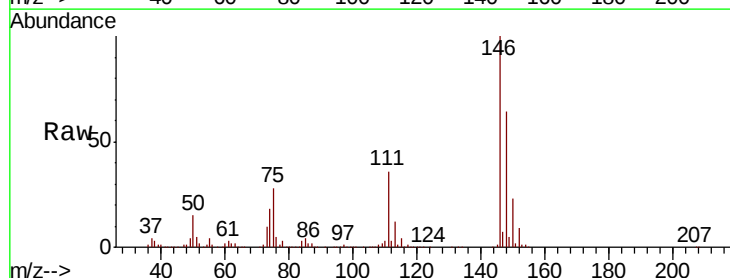
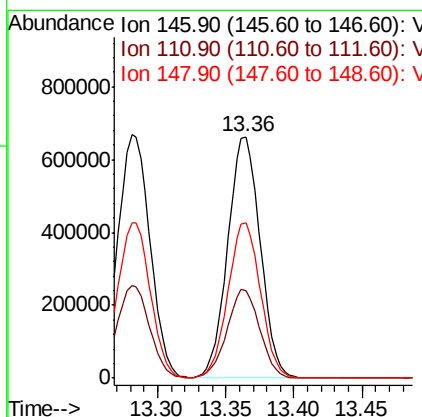
Delta R.T. 0.00 min

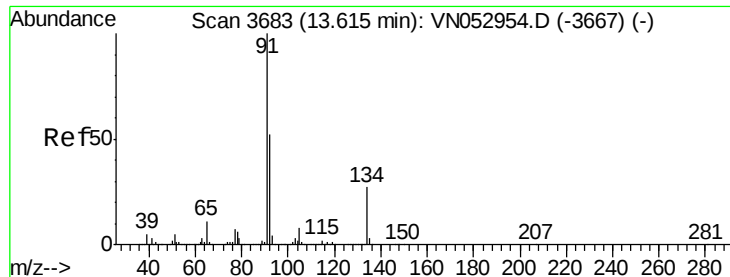
Lab File: VN053070.D

Acq: 20 Dec 2018 21:42

Tgt Ion:146 Resp: 1096624

Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	55.8
148	64.3	32.1	96.5





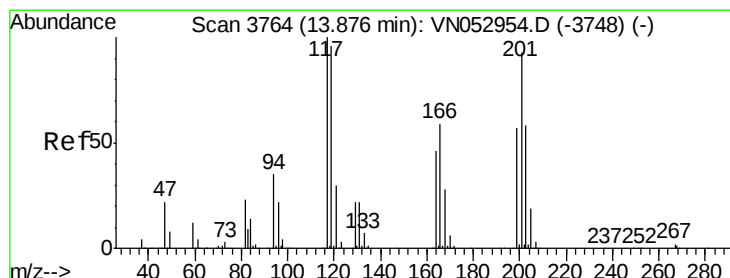
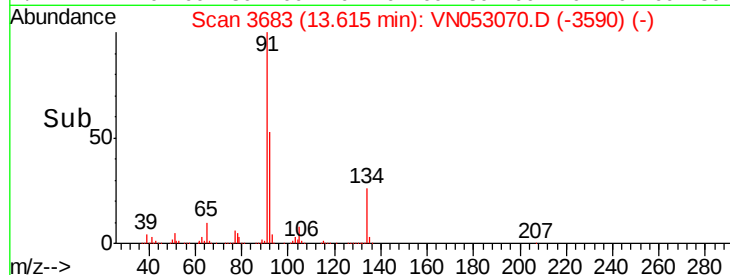
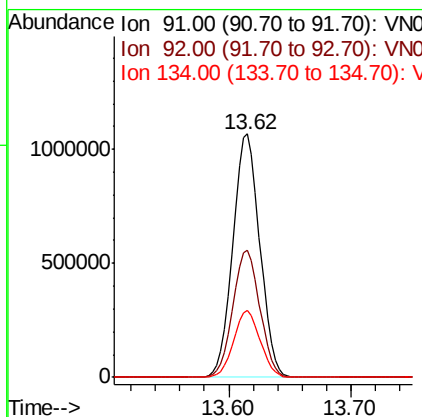
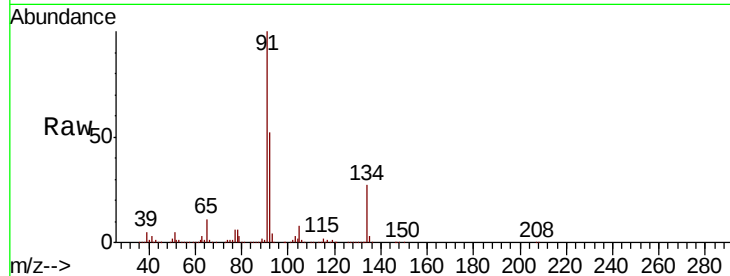
#89
n-Butylbenzene
Concen: 46.144 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	27.0	13.3	39.8

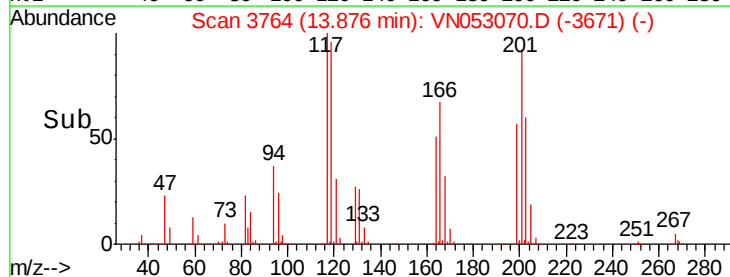
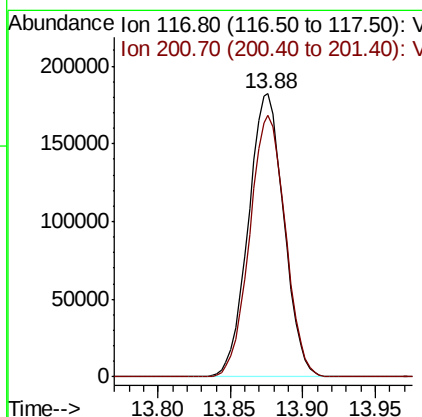
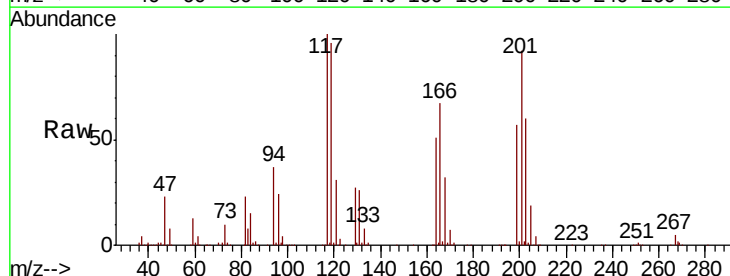
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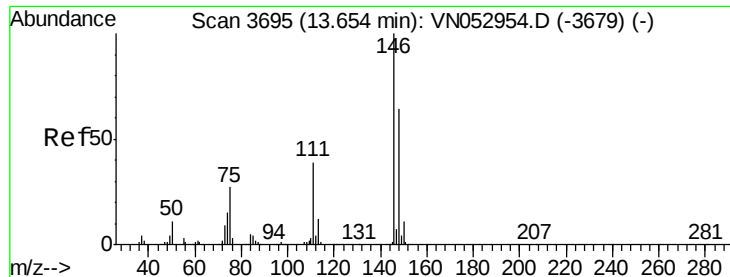
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#90
Hexachloroethane
Concen: 49.223 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.5	45.7	137.1





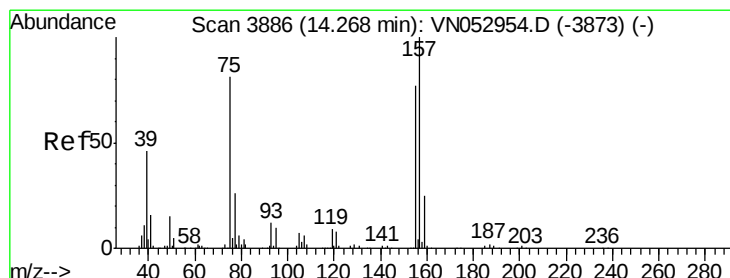
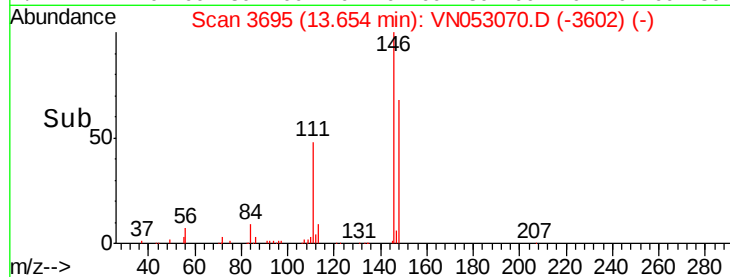
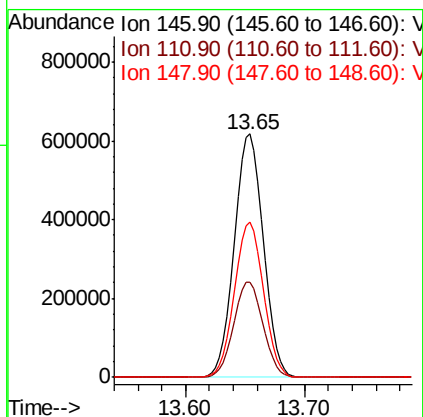
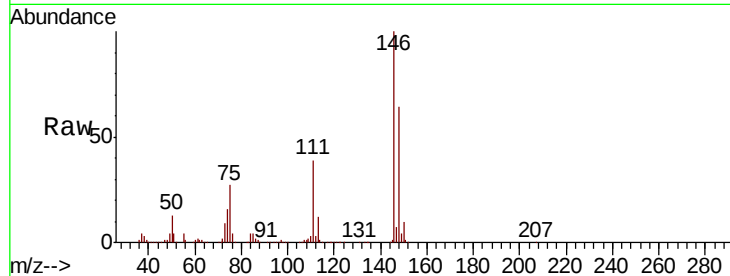
#91
 1,2-Dichlorobenzene
 Concen: 49.332 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053070.D
 Acq: 20 Dec 2018 21:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	63.8	32.0	96.0

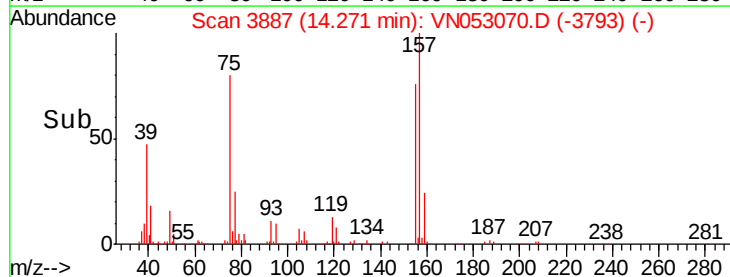
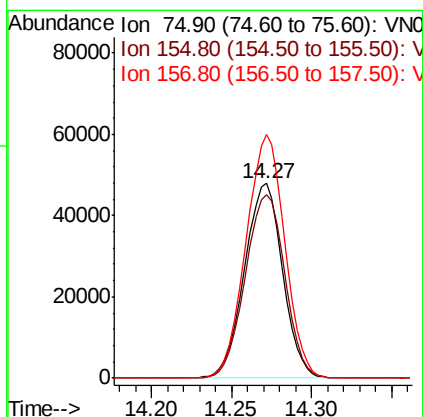
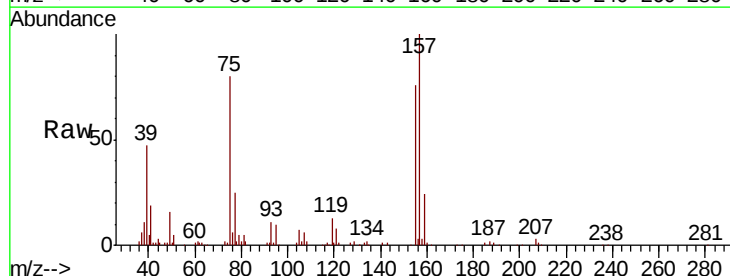
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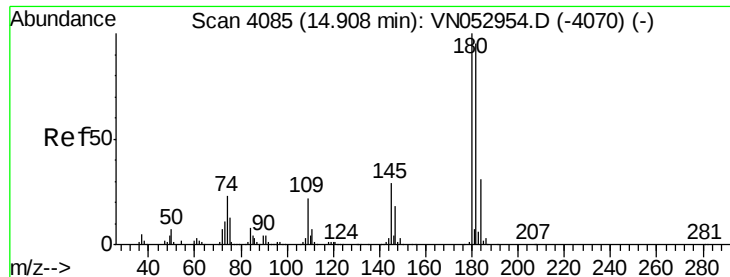
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.964 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053070.D
 Acq: 20 Dec 2018 21:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	48.2	144.6
157	127.2	61.2	183.5





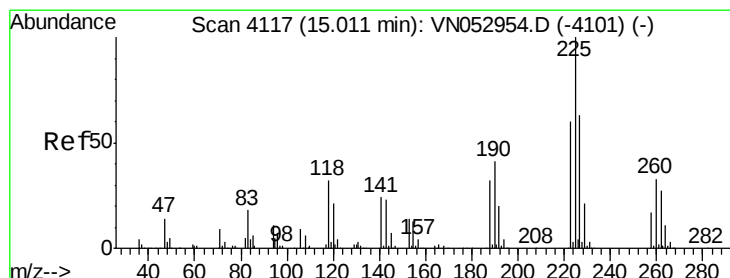
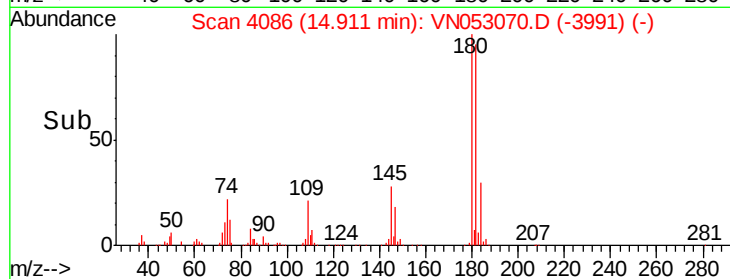
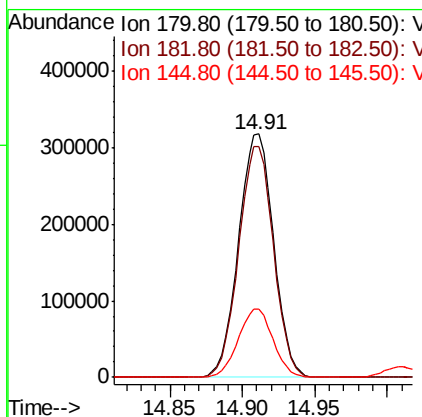
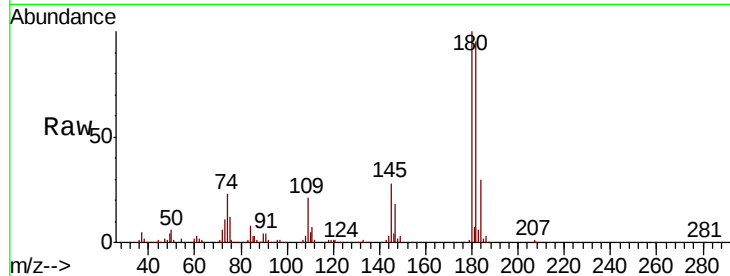
#93
 1,2,4-Trichlorobenzene
 Concen: 47.588 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053070.D
 Acq: 20 Dec 2018 21:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.3	47.8	143.3	
145	27.7	14.2	42.6	

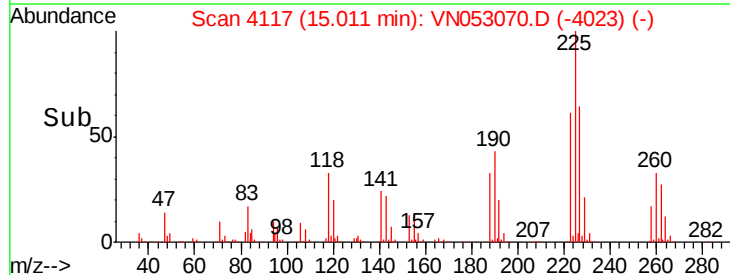
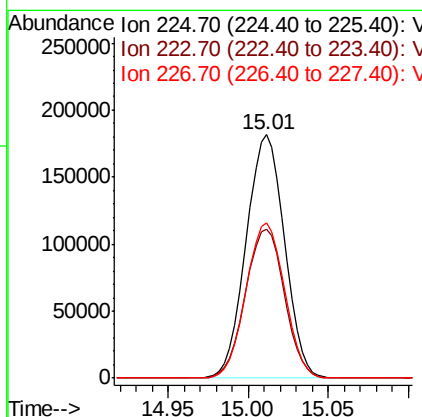
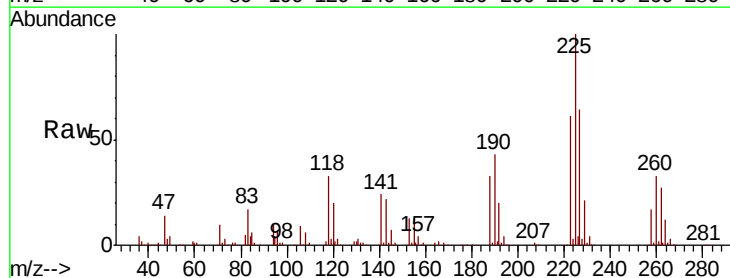
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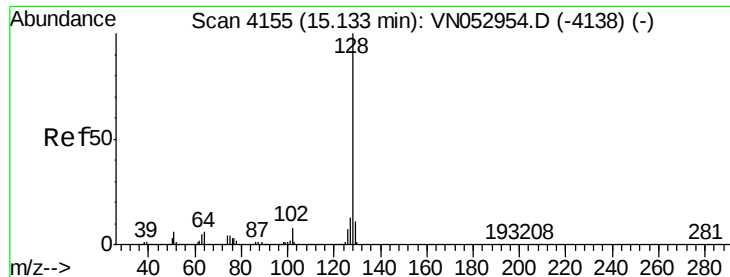
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#94
 Hexachlorobutadiene
 Concen: 51.395 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053070.D
 Acq: 20 Dec 2018 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.5	94.5	
227	64.0	31.9	95.7	





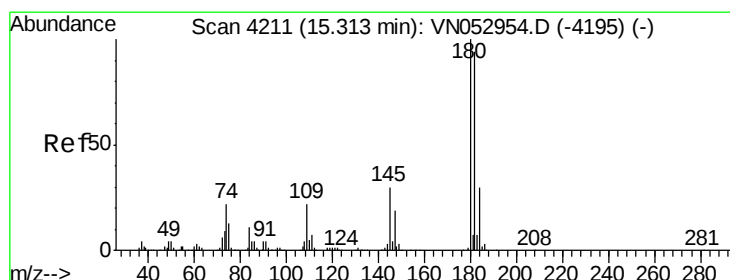
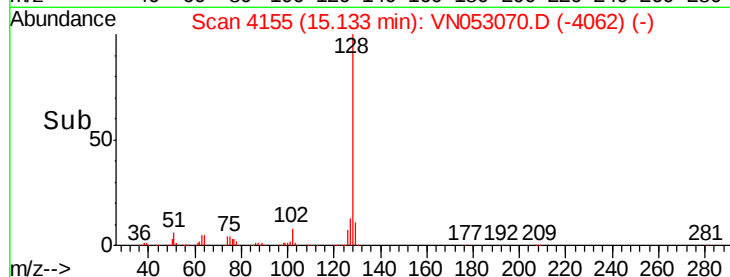
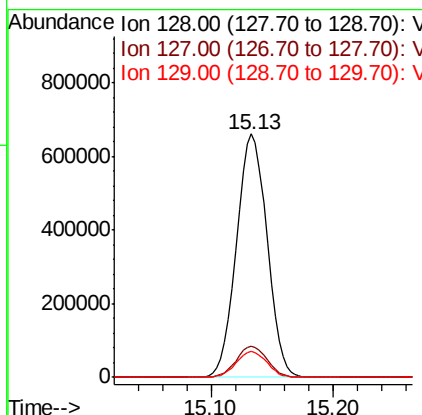
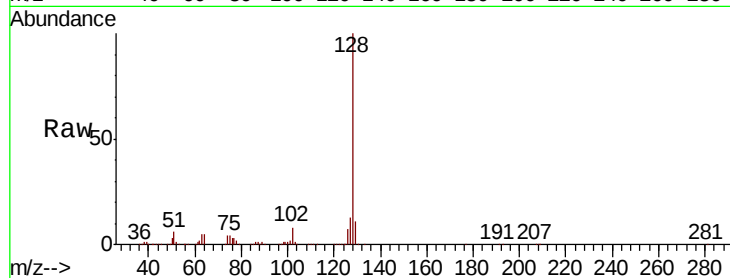
#95
Naphthalene
Concen: 46.589 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 47.475 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053070.D
Acq: 20 Dec 2018 21:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	30.1	15.0	45.0

