

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053068.D
 Acq On : 20 Dec 2018 20:22
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 9:21:46 AM

Quant Time: Dec 21 02:33:15 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	1085847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1677715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1450534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	638002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	603084	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
35) Dibromofluoromethane	7.59	113	473324	61.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.52%	
50) Toluene-d8	10.09	98	2168346	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.40	95	718201	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	519807	47.300	ug/l	99
3) Chloromethane	2.06	50	610750	45.862	ug/l	99
4) Vinyl Chloride	2.19	62	658423	48.819	ug/l	100
5) Bromomethane	2.57	94	417710	44.702	ug/l	100
6) Chloroethane	2.71	64	394858	49.433	ug/l	97
7) Trichlorofluoromethane	3.03	101	846054	50.356	ug/l	100
8) Diethyl Ether	3.41	74	338764	53.446	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	537108	50.138	ug/l	98
10) Methyl Iodide	3.96	142	766609	50.958	ug/l	99
11) Tert butyl alcohol	4.78	59	192906	286.911	ug/l	99
12) 1,1-Dichloroethene	3.74	96	527529	50.971	ug/l	99
13) Acrolein	3.61	56	205631	337.293	ug/l	99
14) Allyl chloride	4.33	41	814364	50.799	ug/l	99
15) Acrylonitrile	4.99	53	1017639	272.441	ug/l	100
16) Acetone	3.82	43	623280	288.484	ug/l	97
17) Carbon Disulfide	4.06	76	1476946	43.758	ug/l	99
18) Methyl Acetate	4.33	43	532594	54.227	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1516343	54.749	ug/l	99
20) Methylene Chloride	4.56	84	591495	50.189	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	556586	50.054	ug/l	99
22) Diisopropyl ether	5.95	45	1849700	54.055	ug/l	97
23) Vinyl Acetate	5.90	43	5455082	277.235	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1057862	52.025	ug/l	99
25) 2-Butanone	6.83	43	1068123	294.581	ug/l	98
26) 2,2-Dichloropropane	6.83	77	763722	49.203	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	651690	51.768	ug/l	99
28) Bromochloromethane	7.20	49	471887	53.557	ug/l	96
29) Tetrahydrofuran	7.21	42	757366	279.669	ug/l	98
30) Chloroform	7.37	83	1030839	51.607	ug/l	99
31) Cyclohexane	7.65	56	975478	51.176	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	868846	51.061	ug/l	99
36) 1,1-Dichloropropene	7.80	75	803460	49.895	ug/l	100
37) Ethyl Acetate	6.93	43	506266	56.317	ug/l	99
38) Carbon Tetrachloride	7.78	117	738788	50.053	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	932222	47.655	ug/l	98
40) Benzene	8.04	78	2433739	50.810	ug/l	99
41) Methacrylonitrile	7.17	41	270144	52.010	ug/l	96
42) 1,2-Dichloroethane	8.13	62	727516	51.414	ug/l	99
43) Isopropyl Acetate	8.16	43	948004	54.590	ug/l	99
44) Trichloroethene	8.84	130	678753	48.993	ug/l	97
45) 1,2-Dichloropropane	9.12	63	652988	52.339	ug/l	98
46) Dibromomethane	9.21	93	370609	50.992	ug/l	98
47) Bromodichloromethane	9.40	83	786359	50.900	ug/l	100
48) Methyl methacrylate	9.20	41	468295	53.684	ug/l	98
49) 1,4-Dioxane	9.20	88	109319	990.703	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	2424156	278.456	ug/l	99
52) Toluene	10.16	92	1487991	50.120	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	814361	50.129	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	948843	50.884	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	540794	52.213	ug/l	99
56) Ethyl methacrylate	10.43	69	741791	54.109	ug/l	98
57) 1,3-Dichloropropane	10.71	76	921974	51.909	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2057123	273.326	ug/l	98
59) 2-Hexanone	10.75	43	1618489	274.780	ug/l	99
60) Dibromochloromethane	10.90	129	599910	50.600	ug/l	100
61) 1,2-Dibromoethane	11.01	107	539734	51.310	ug/l	99
64) Tetrachloroethene	10.63	164	757716	48.224	ug/l	99
65) Chlorobenzene	11.43	112	1612572	50.151	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	586072	52.414	ug/l	100
67) Ethyl Benzene	11.51	91	2804940	50.725	ug/l	100
68) m/p-Xylenes	11.62	106	2083546	99.115	ug/l	99
69) o-Xylene	11.95	106	1015650	50.350	ug/l	100
70) Styrene	11.96	104	1672817	50.857	ug/l	99
71) Bromoform	12.13	173	401344	49.685	ug/l #	100
73) Isopropylbenzene	12.25	105	2691434	53.917	ug/l	100
74) N-amyl acetate	12.07	43	828844	59.805	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	578964	59.119	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	516527m	48.093	ug/l	
77) Bromobenzene	12.53	156	687111	52.953	ug/l	97
78) n-propylbenzene	12.59	91	2980892	52.432	ug/l	99
79) 2-Chlorotoluene	12.67	91	1748970	49.631	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2075688	51.015	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	181287	54.404	ug/l	96
82) 4-Chlorotoluene	12.77	91	1765311	51.174	ug/l	100
83) tert-Butylbenzene	12.99	119	1824035	50.690	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2074729	50.724	ug/l	100
85) sec-Butylbenzene	13.17	105	2406364	49.440	ug/l	100
86) p-Isopropyltoluene	13.29	119	2066046	49.125	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1124022	48.943	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1114532	47.922	ug/l	100
89) n-Butylbenzene	13.62	91	1675210	46.299	ug/l	99
90) Hexachloroethane	13.88	117	310592	48.124	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1055954	48.855	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86402	51.026	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	548708	47.942	ug/l	99
94) Hexachlorobutadiene	15.01	225	307714	52.014	ug/l	99
95) Naphthalene	15.13	128	1237733	49.357	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	502457	48.739	ug/l	99

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

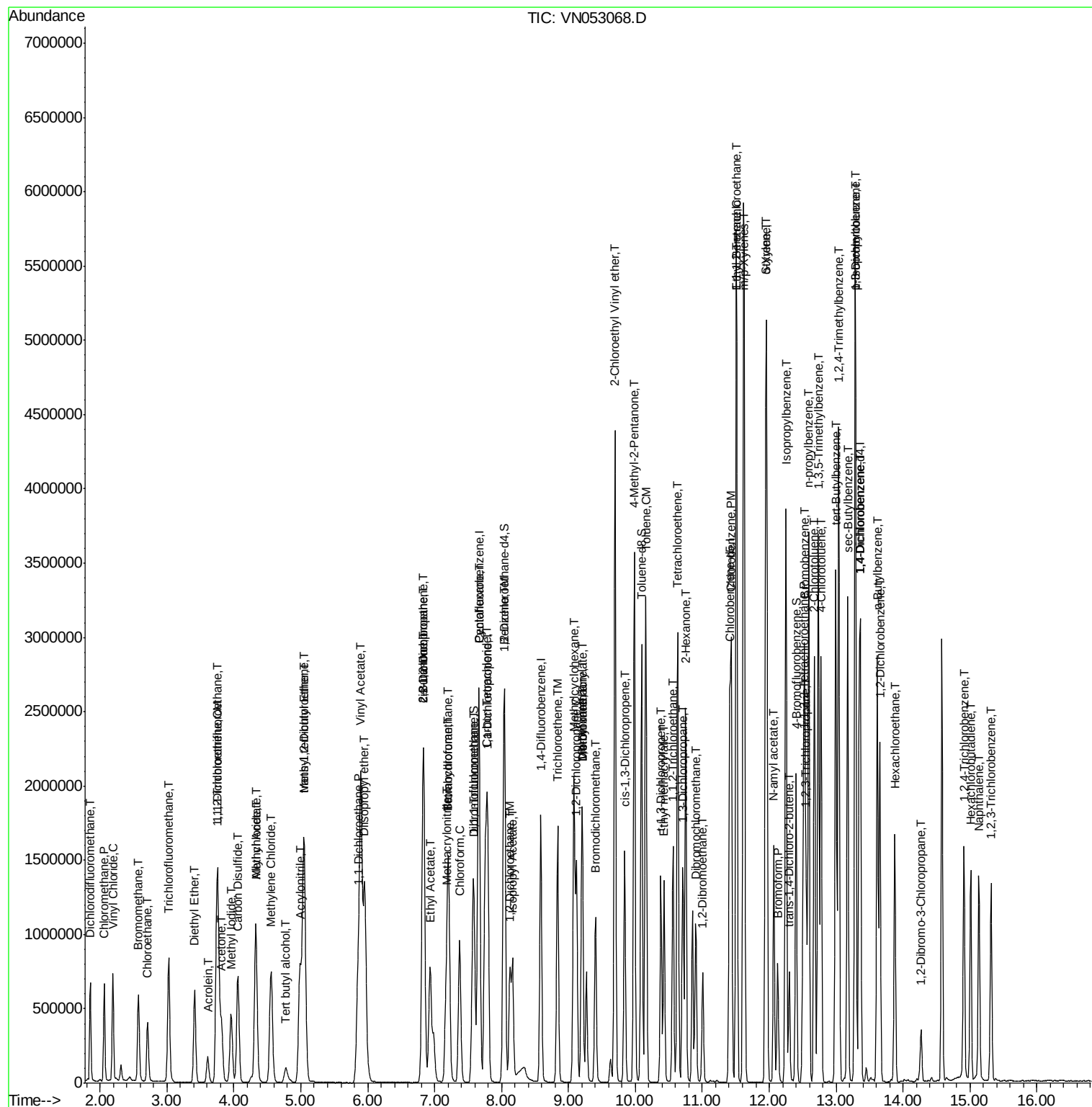
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Data File : VN053068.D
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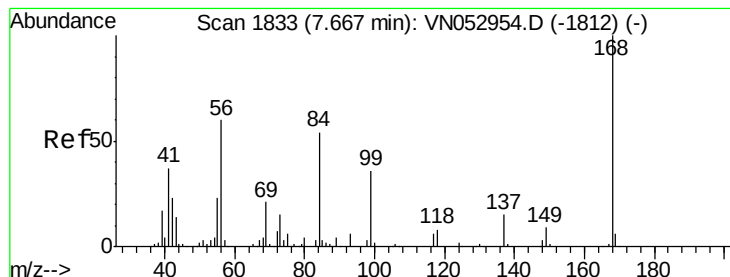
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 1085847

Ion Ratio Lower Upper

168 100

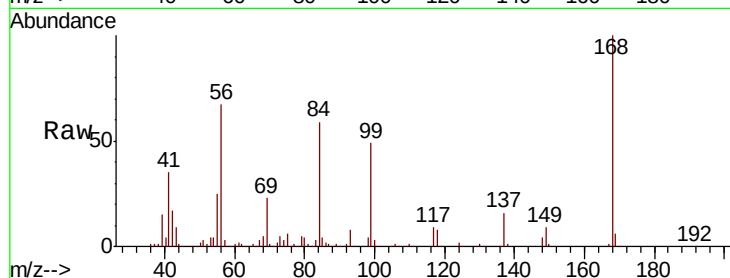
99 49.0 40.2 60.2

Manual Integrations

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12/21/2018 9:21:46 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

300000

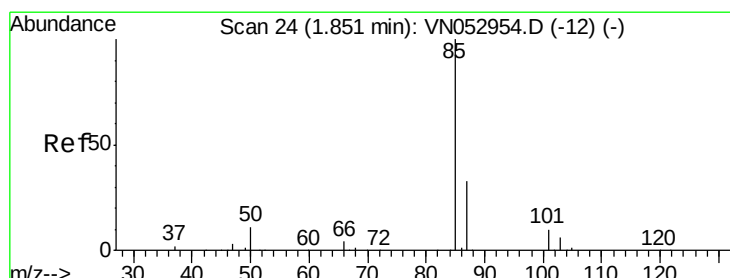
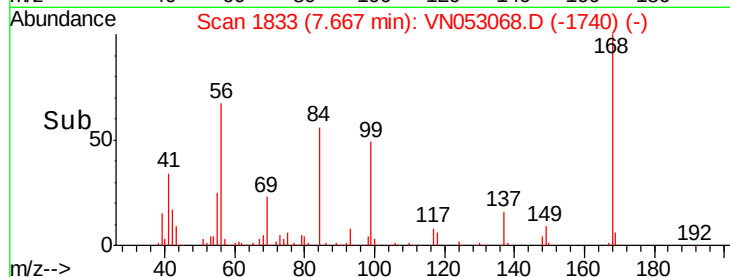
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.300 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053068.D

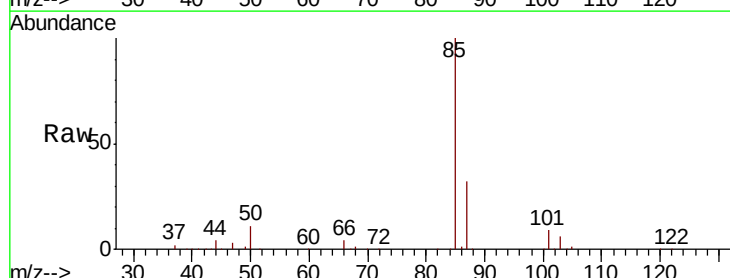
Acq: 20 Dec 2018 20:22

Tgt Ion: 85 Resp: 519807

Ion Ratio Lower Upper

85 100

87 31.9 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

300000

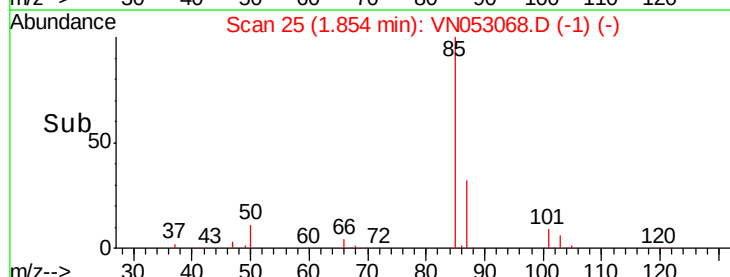
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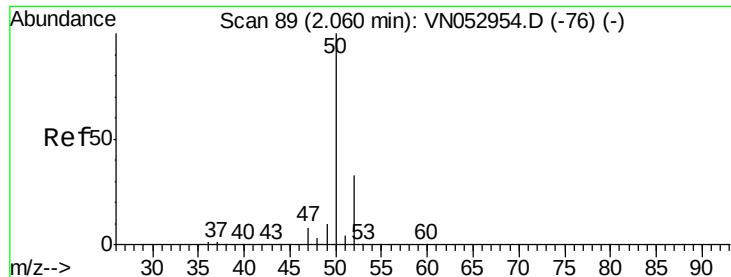
100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.862 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 610750

Ion Ratio Lower Upper

50 100

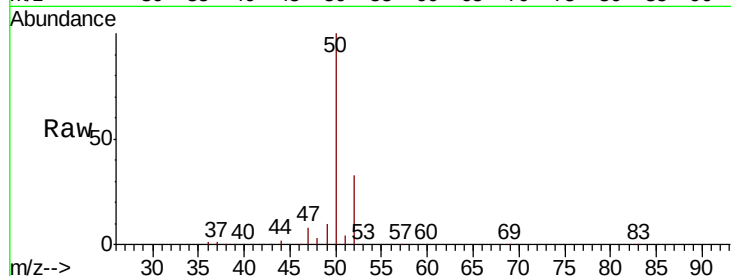
52 33.2 26.2 39.4

Manual Integrations

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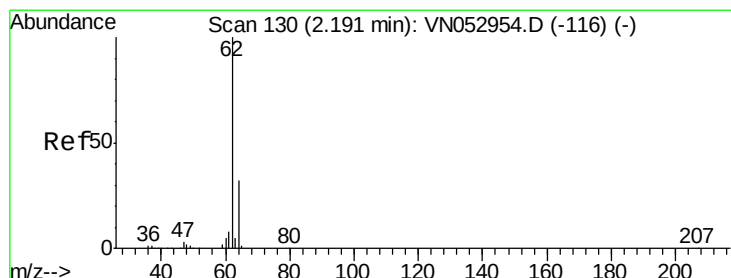
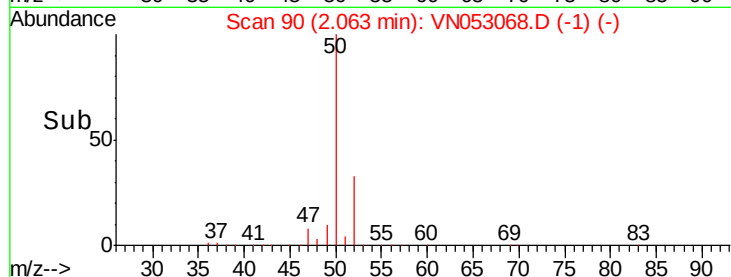
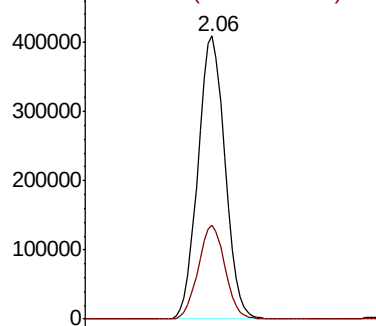
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 48.819 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053068.D

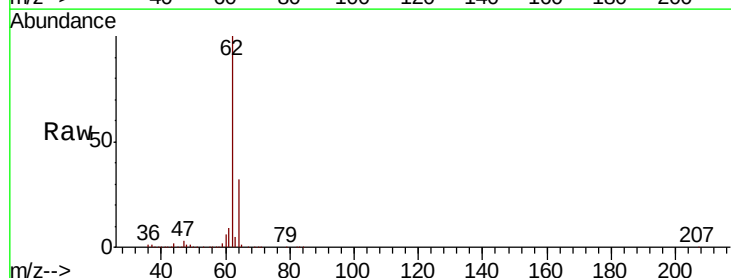
Acq: 20 Dec 2018 20:22

Tgt Ion: 62 Resp: 658423

Ion Ratio Lower Upper

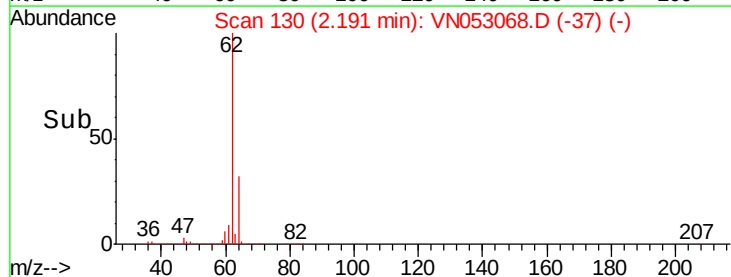
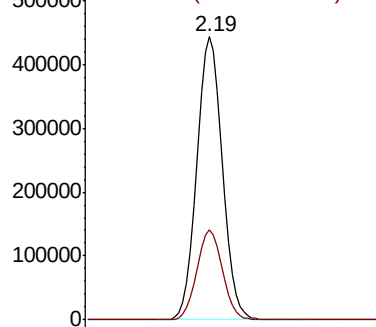
62 100

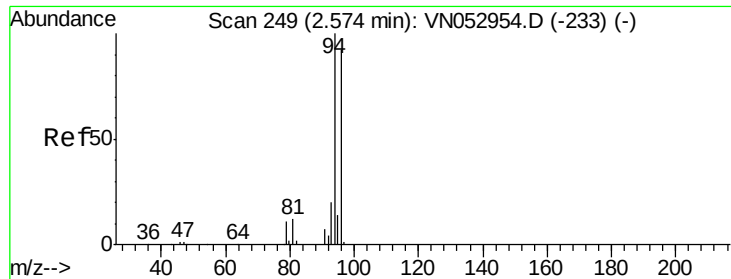
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 44.702 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

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Tot Ion: 94 Resp: 417710

Ion Ratio Lower Upper

94 100

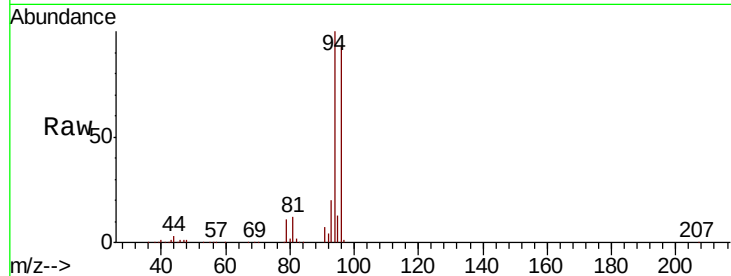
96 93.3 75.0 112.4

Manual Integrations

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12/21/2018 9:21:46 AM



Abundance Ion 93.90 (93.60 to 94.60): VN052954.D (-233) (-)

Ion 95.90 (95.60 to 96.60): VN052954.D (-233) (-)

2.57

200000

150000

100000

50000

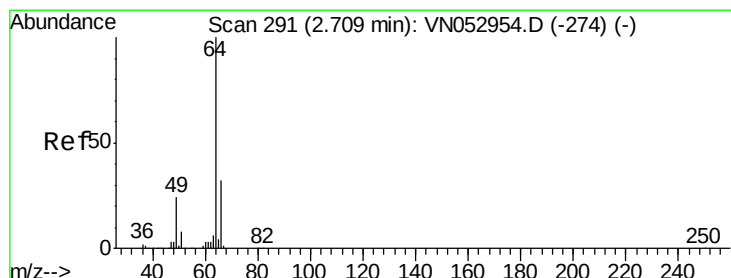
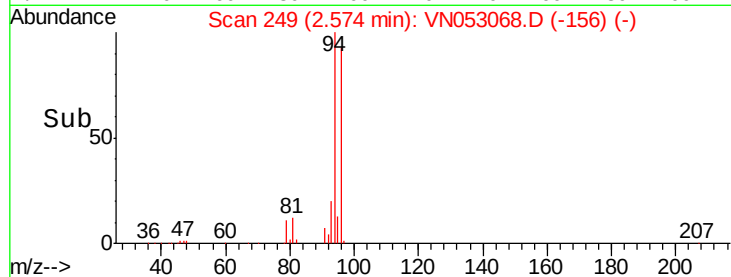
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2.50

2.60

2.70

Time-->



#6

Chloroethane

Concen: 49.433 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053068.D

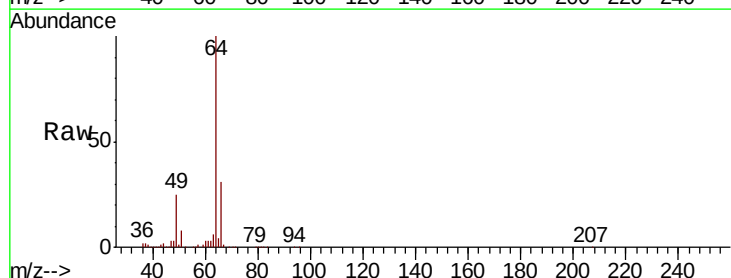
Acq: 20 Dec 2018 20:22

Tgt Ion: 64 Resp: 394858

Ion Ratio Lower Upper

64 100

66 31.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN052954.D (-274) (-)

Ion 65.90 (65.60 to 66.60): VN052954.D (-274) (-)

2.71

200000

150000

100000

50000

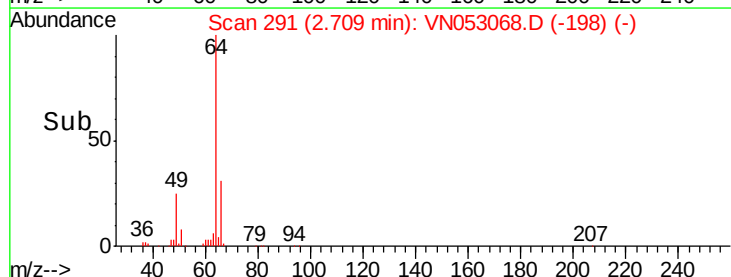
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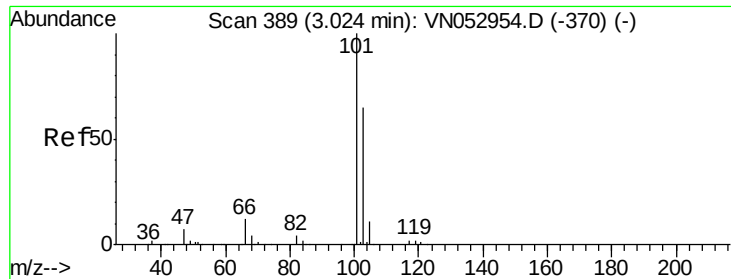
2.60

2.70

2.80

Time-->





#7

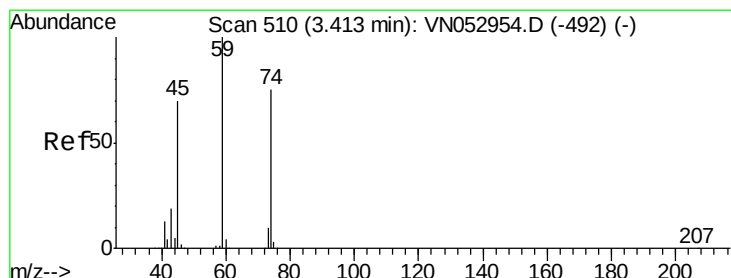
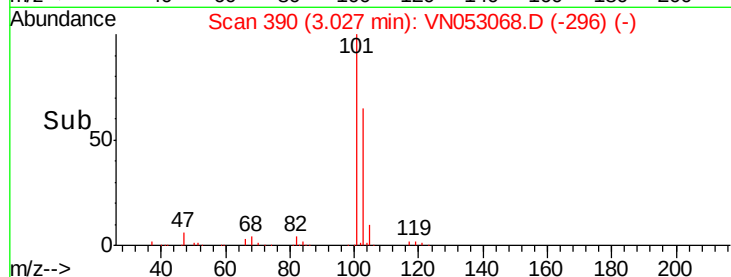
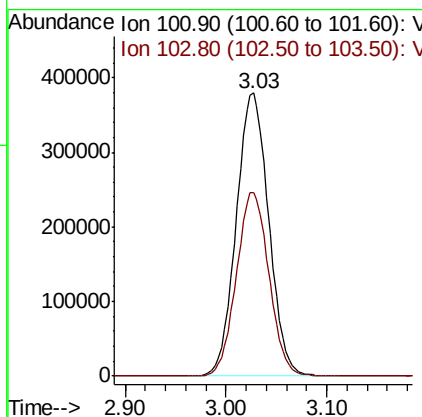
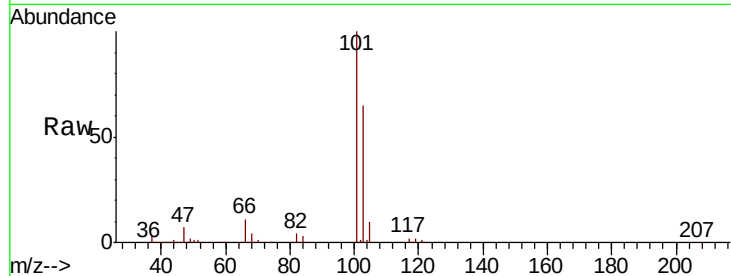
Trichlorofluoromethane
 Concen: 50.356 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.8	77.6

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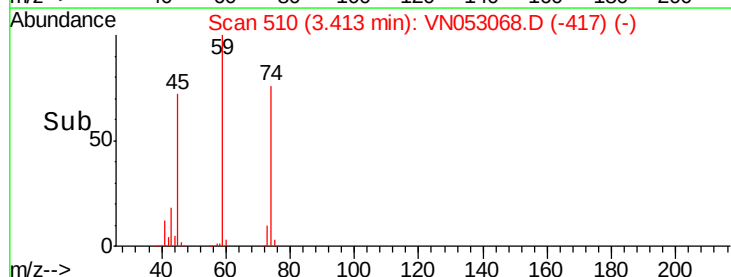
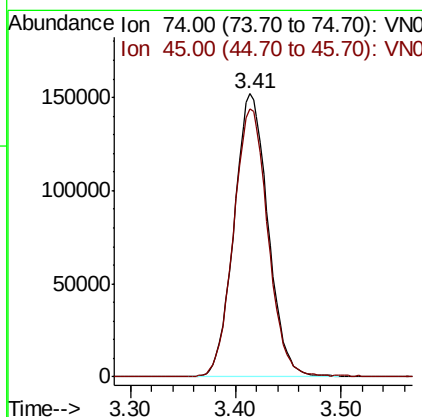
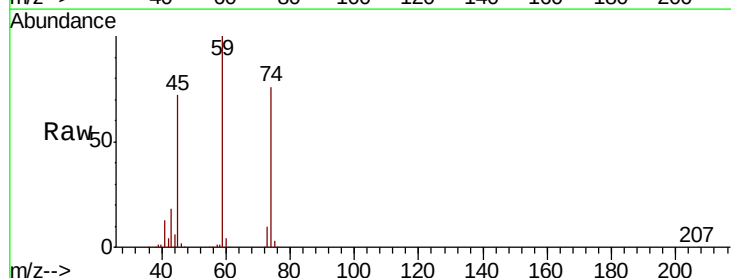
MMDadoda
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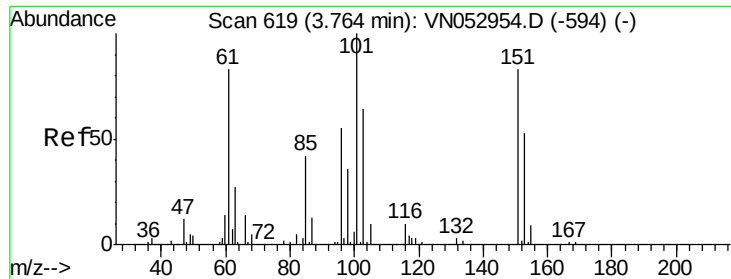


#8

Diethyl Ether
 Concen: 53.446 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.138 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

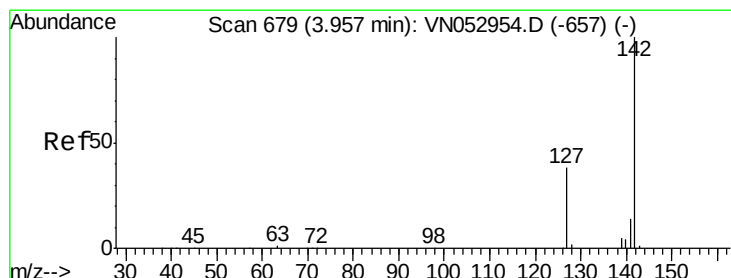
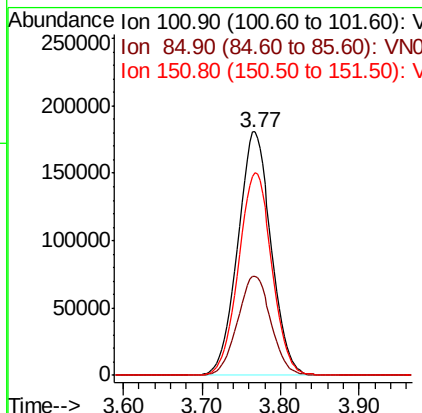
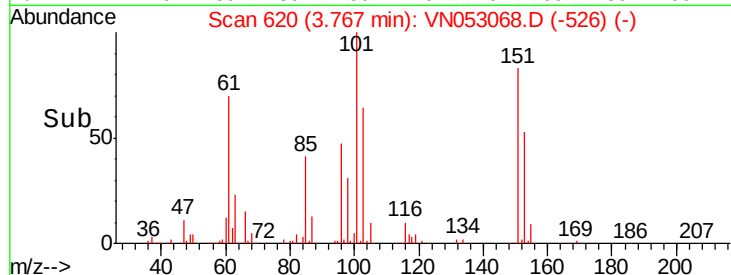
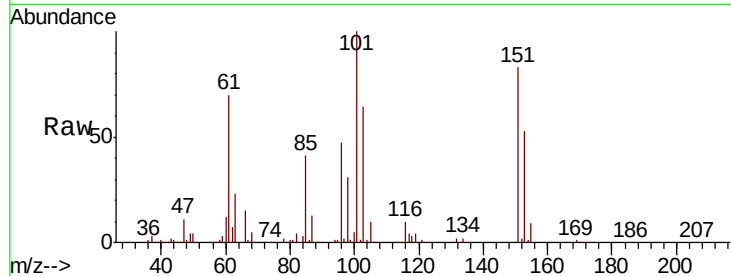
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	537108
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.6	50.4
151	83.6	65.5	98.3

Manual Integrations
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12/21/2018 9:21:46 AM



#10

Methyl Iodide

Concen: 50.958 ug/l

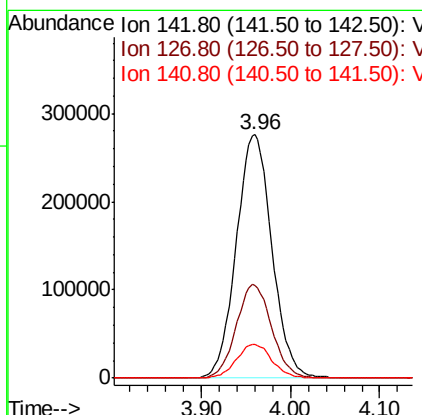
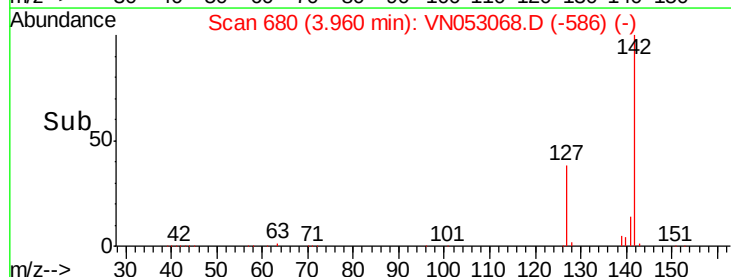
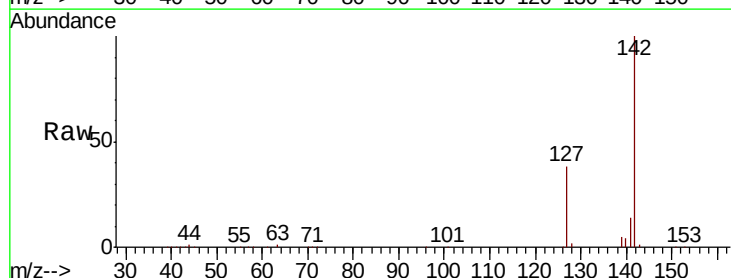
RT: 3.96 min Scan# 680

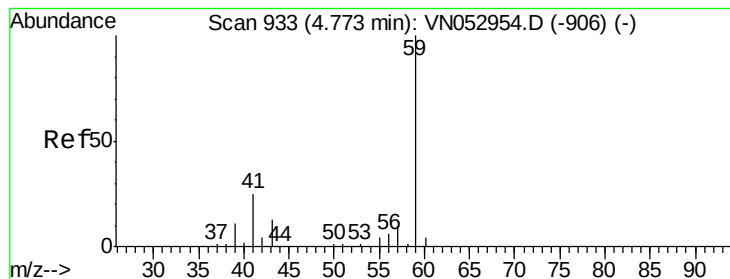
Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Tgt Ion:	142	Resp:	766609
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.6
141	13.8	11.2	16.8





#11

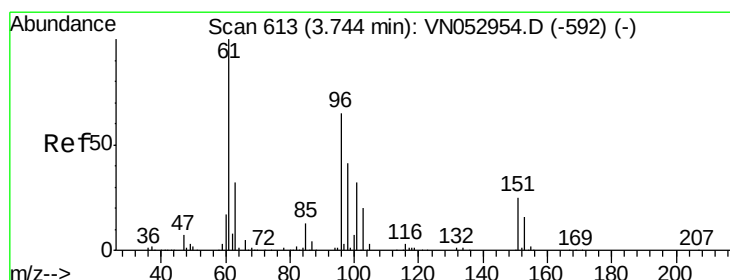
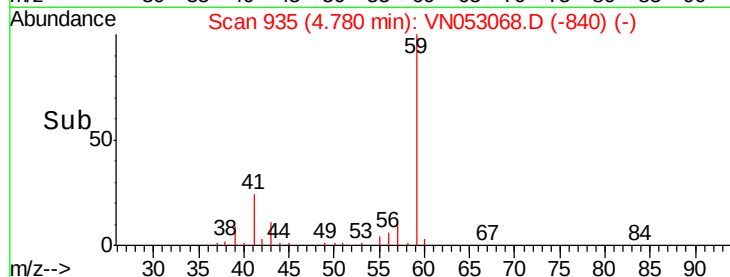
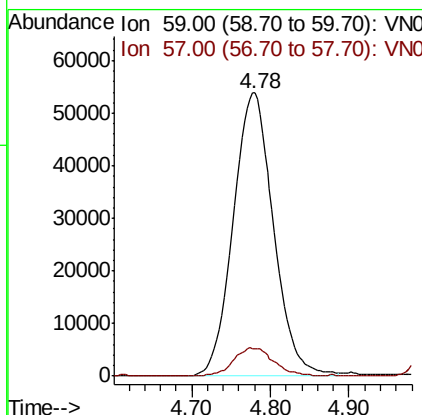
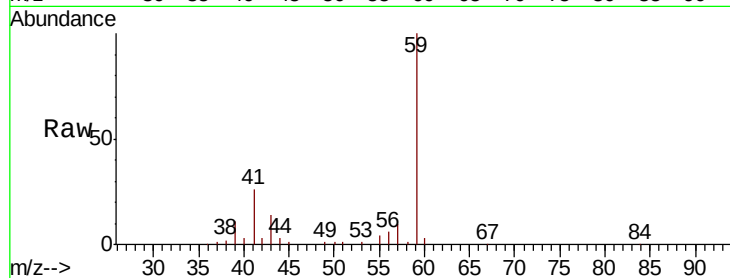
Tert butyl alcohol
 Concen: 286.911 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.7	11.5

Manual Integrations
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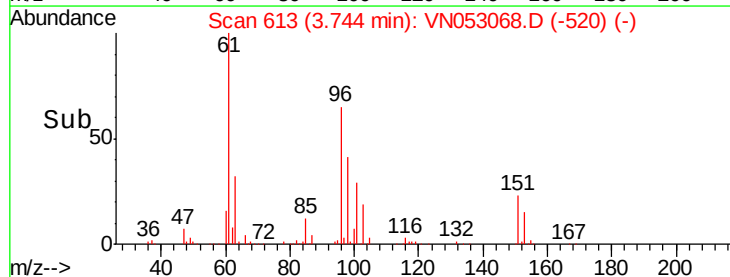
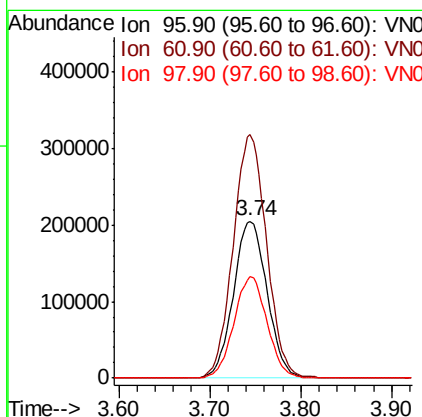
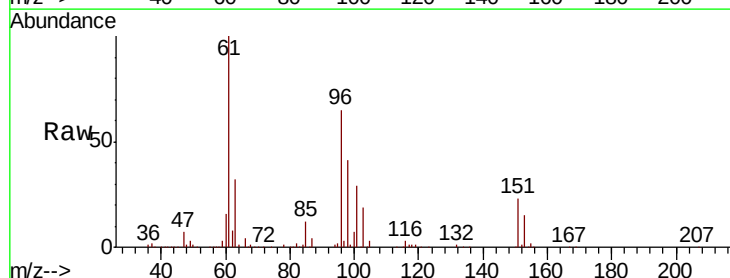
MMDadoda
 12/21/2018 9:21:46 AM

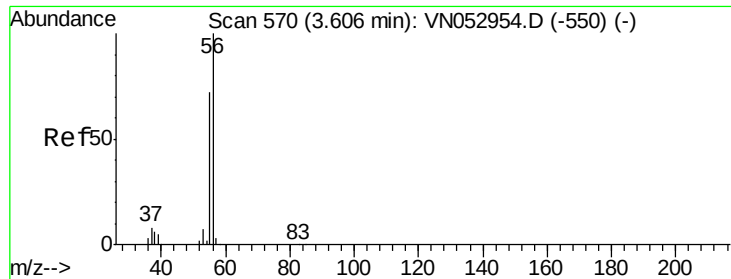


#12

1,1-Dichloroethene
 Concen: 50.971 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.0	125.6	188.4
98	64.3	50.6	75.8





#13

Acrolein

Concen: 337.293 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 205631

Ion Ratio Lower Upper

56 100

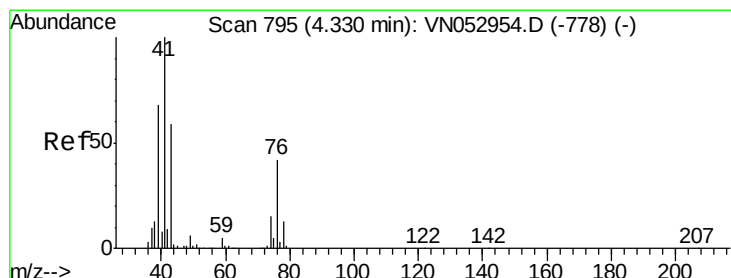
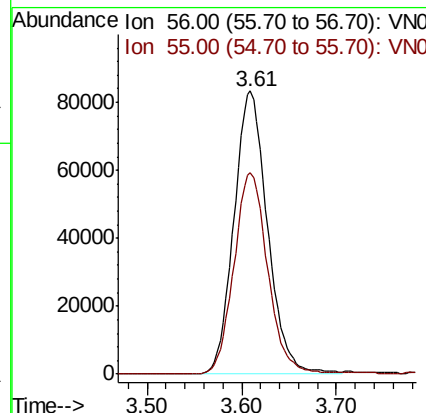
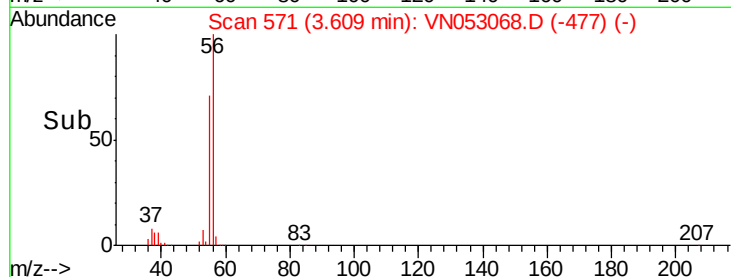
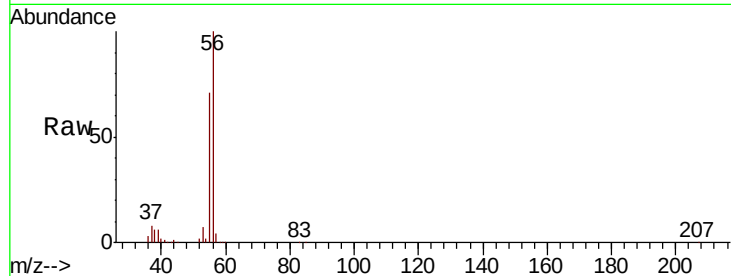
55 71.4 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 50.799 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

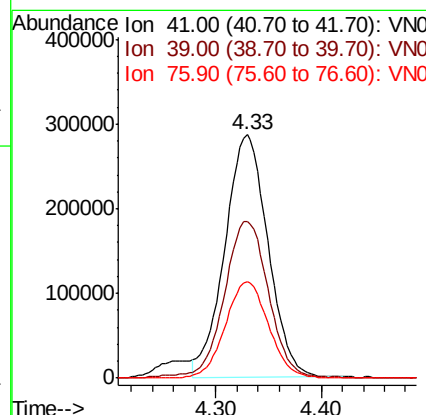
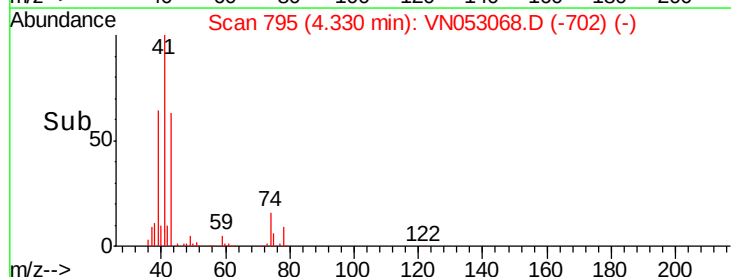
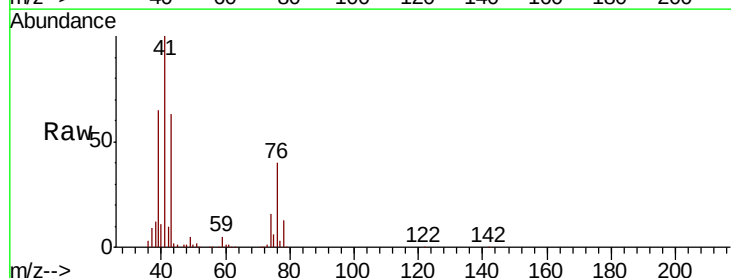
Tgt Ion: 41 Resp: 814364

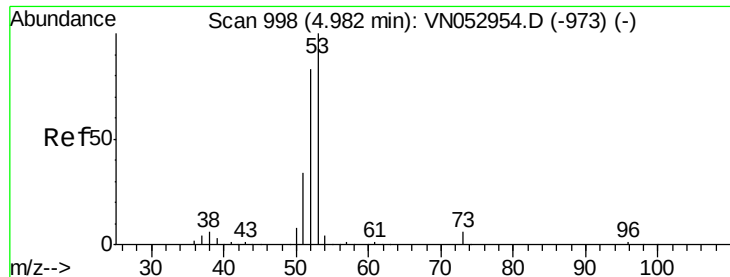
Ion Ratio Lower Upper

41 100

39 66.7 54.1 81.1

76 39.2 30.3 45.5





#15

Acrylonitrile

Concen: 272.441 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 1017639

Ion Ratio Lower Upper

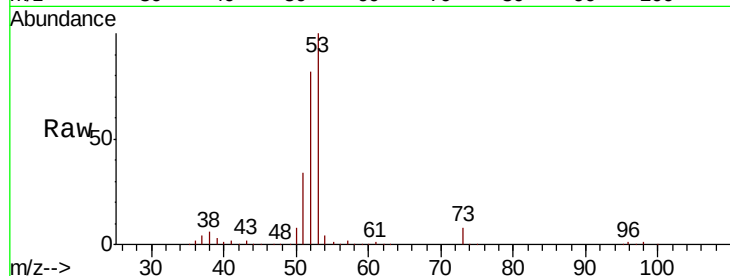
53 100

52 81.5 65.1 97.7

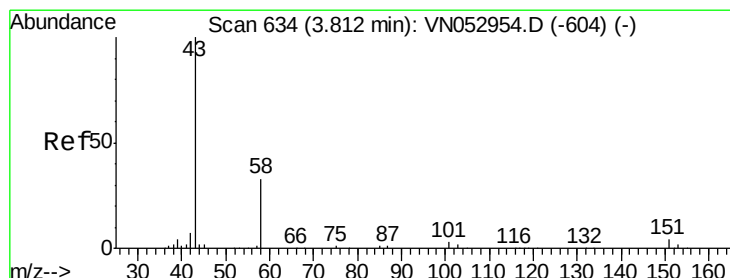
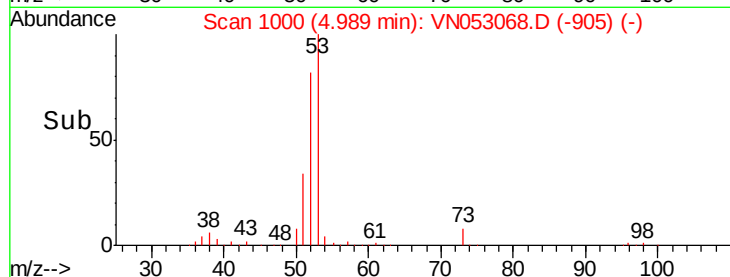
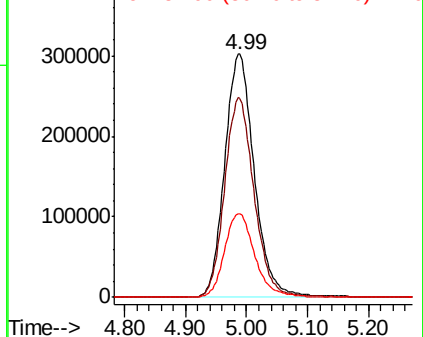
51 35.5 28.1 42.1

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Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 288.484 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053068.D

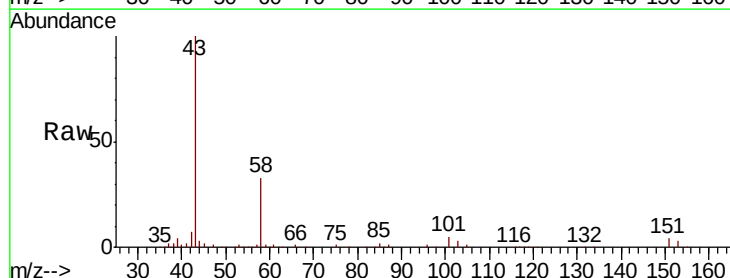
Acq: 20 Dec 2018 20:22

Tgt Ion: 43 Resp: 623280

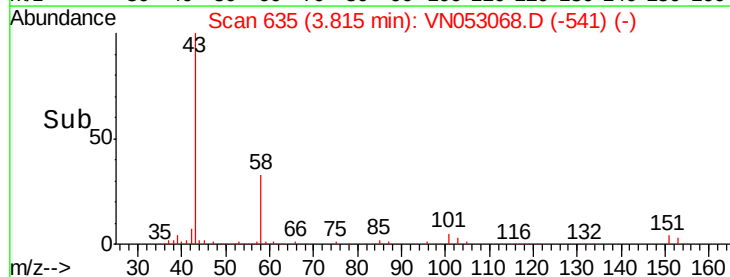
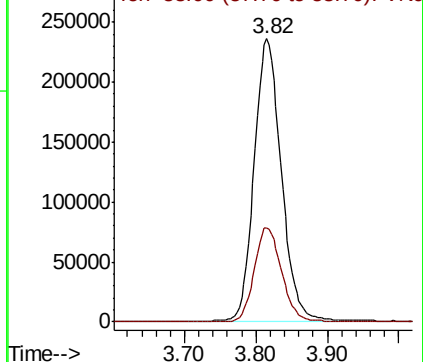
Ion Ratio Lower Upper

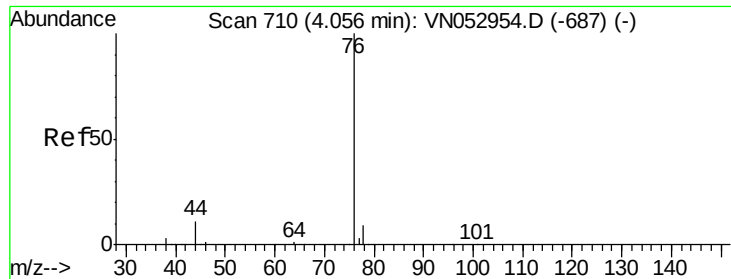
43 100

58 33.3 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 43.758 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 1476946

Ion Ratio Lower Upper

76 100

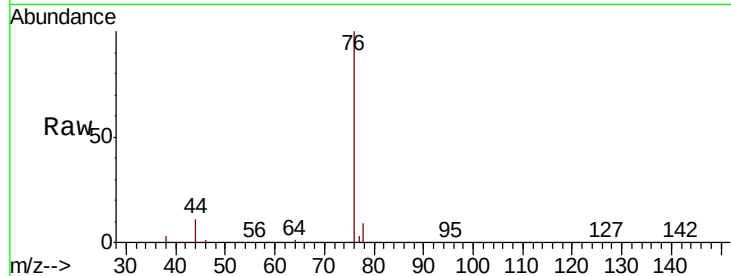
78 9.1 7.1 10.7

Manual Integrations

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12/21/2018 9:21:46 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

600000

500000

400000

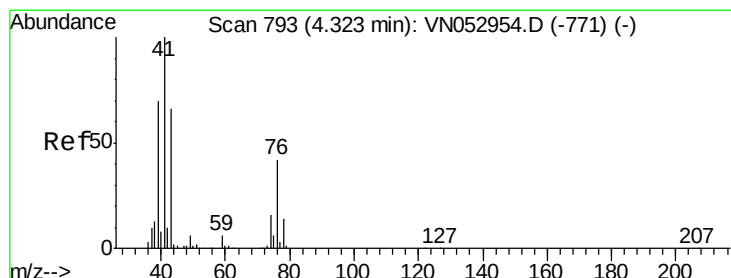
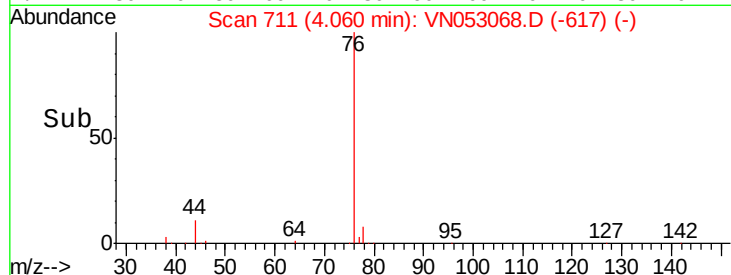
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 54.227 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053068.D

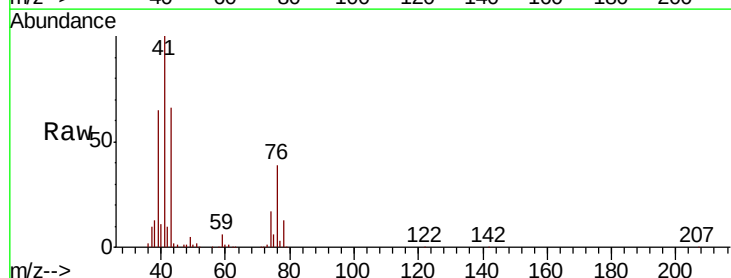
Acq: 20 Dec 2018 20:22

Tgt Ion: 43 Resp: 532594

Ion Ratio Lower Upper

43 100

74 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

200000

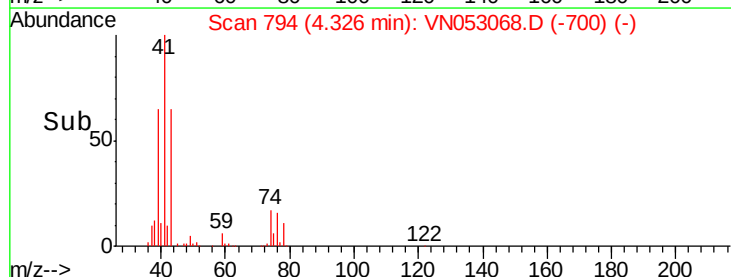
150000

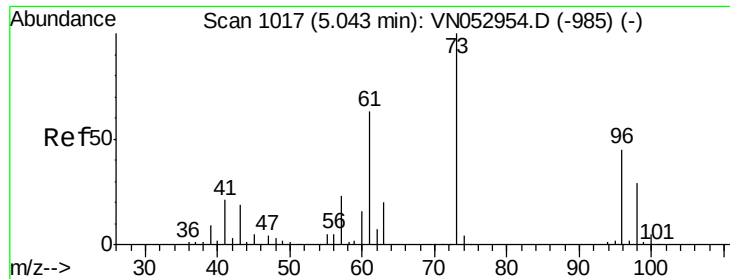
100000

50000

0

Time-->





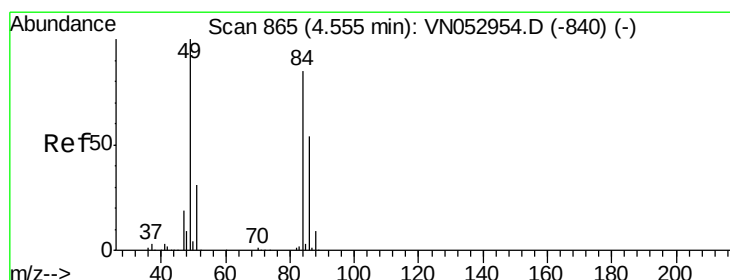
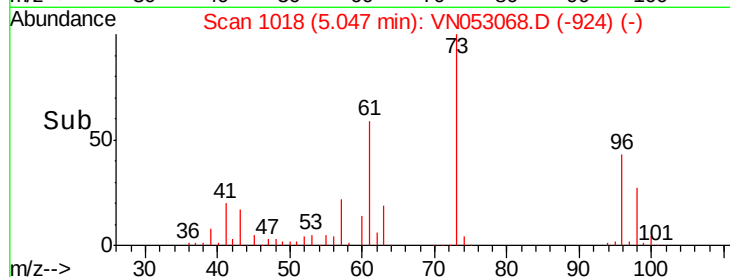
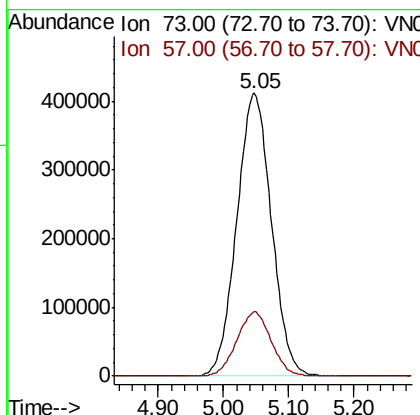
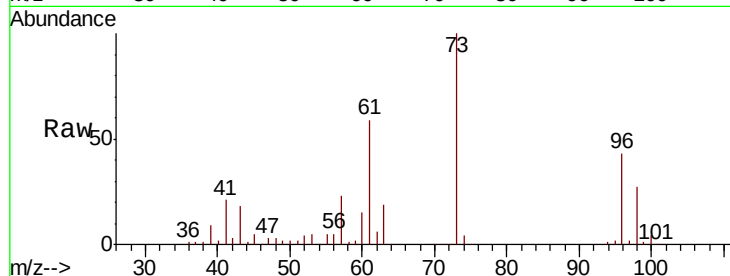
#19
Methyl tert-butyl Ether
Concen: 54.749 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1516343
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6

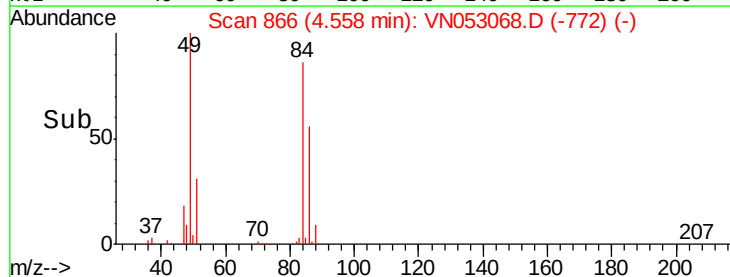
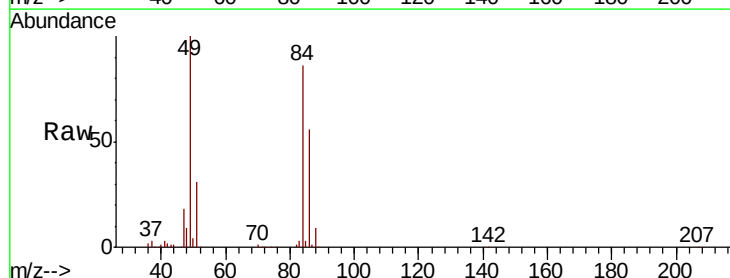
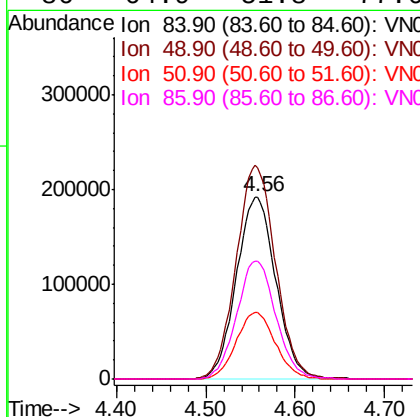
Manual Integrations
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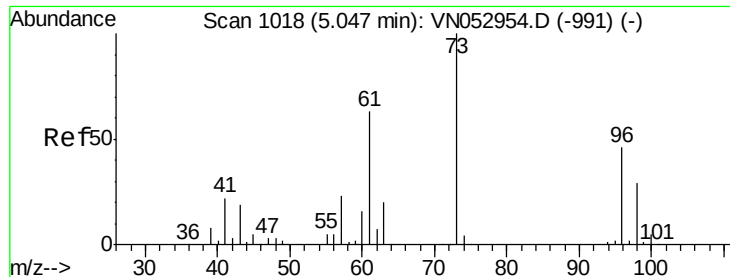
MMDadoda
12/21/2018 9:21:46 AM



#20
Methylene Chloride
Concen: 50.189 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion: 84 Resp: 591495
Ion Ratio Lower Upper
84 100
49 116.3 96.8 145.2
51 36.4 29.9 44.9
86 64.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 50.054 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 556586

Ion Ratio Lower Upper

96 100

61 137.5 110.8 166.2

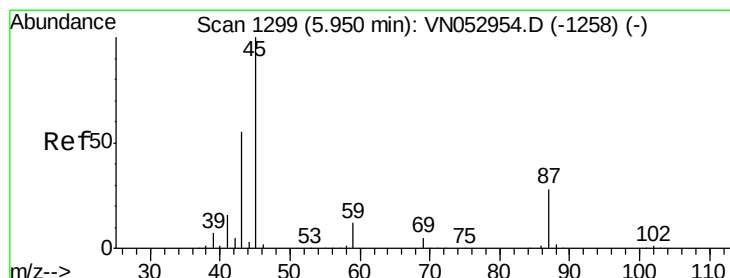
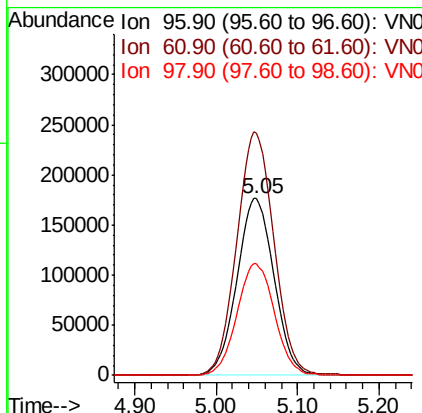
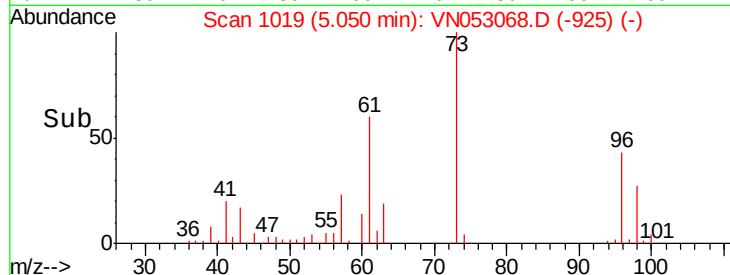
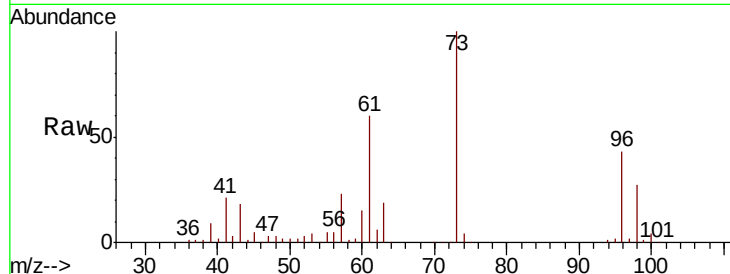
98 62.9 51.4 77.2

Manual Integrations

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MMDadoda

12/21/2018 9:21:46 AM



#22

Diisopropyl ether

Concen: 54.055 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Tgt Ion: 45 Resp: 1849700

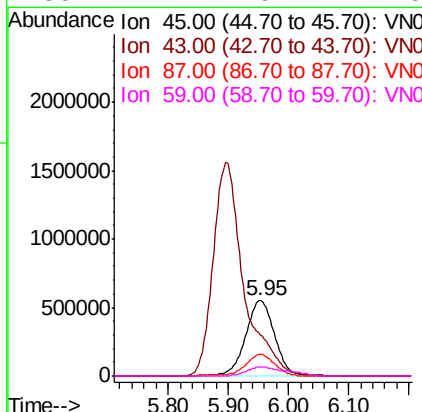
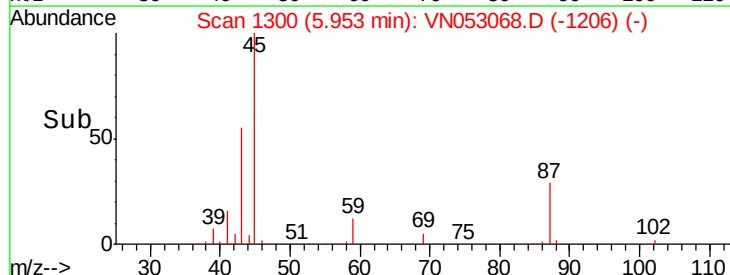
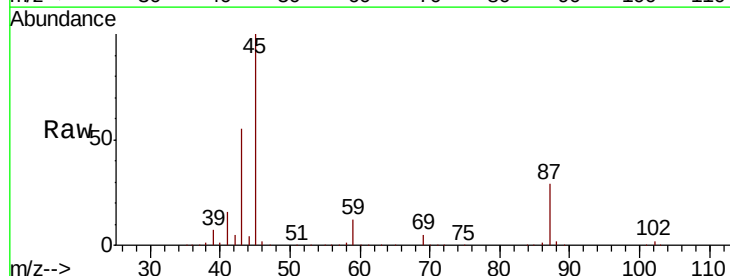
Ion Ratio Lower Upper

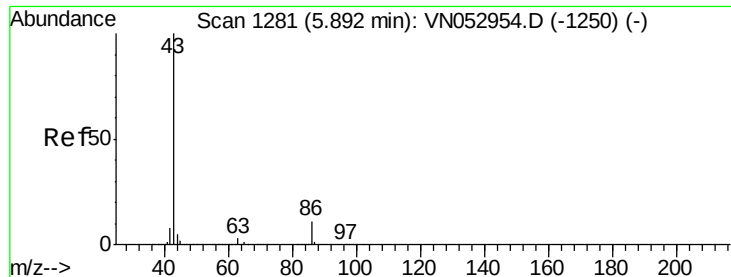
45 100

43 54.4 45.5 68.3

87 28.5 22.0 33.0

59 12.2 9.4 14.0





#23

Vinyl Acetate

Concen: 277.235 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 5455082

Ion Ratio Lower Upper

43 100

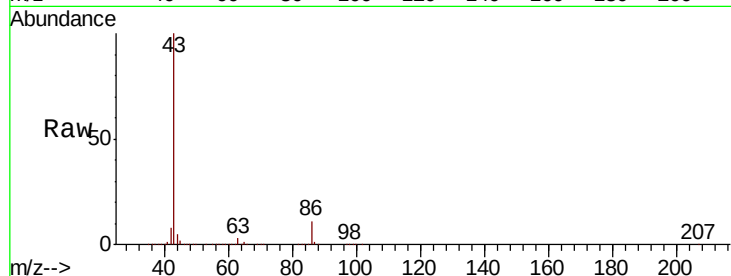
86 10.7 8.1 12.1

Manual Integrations

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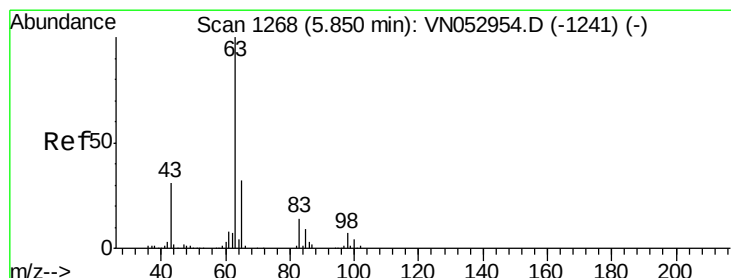
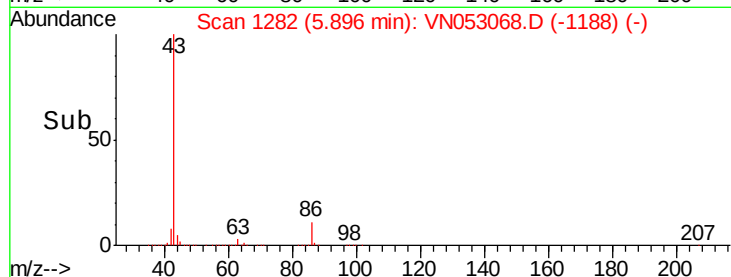
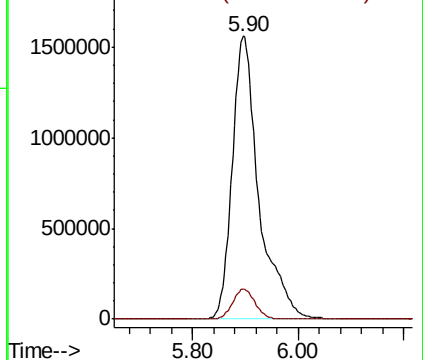
MMDadoda

12/21/2018 9:21:46 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: 52.025 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

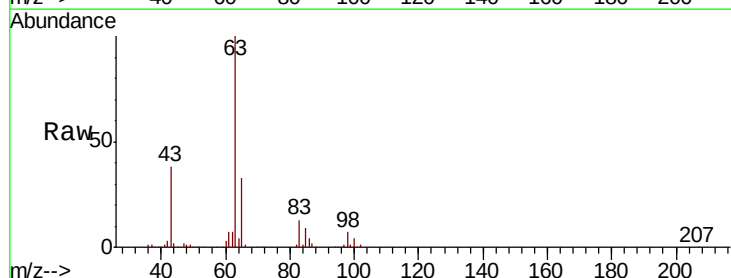
Tgt Ion: 63 Resp: 1057862

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

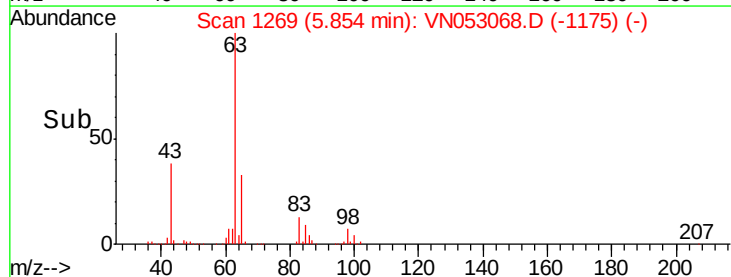
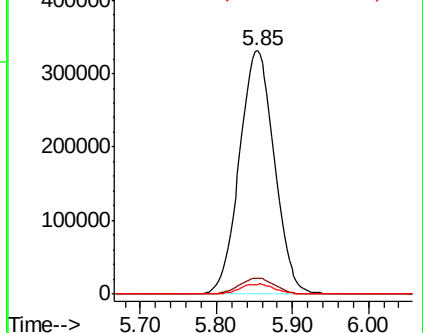
100 4.1 2.0 5.8

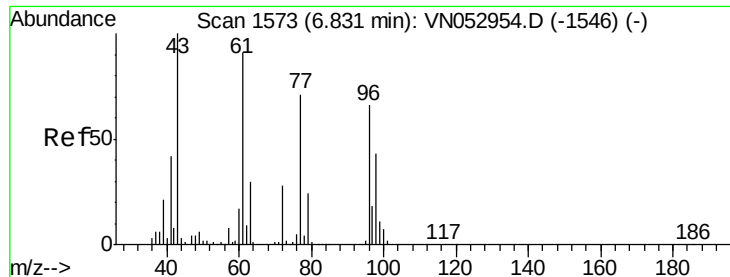


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





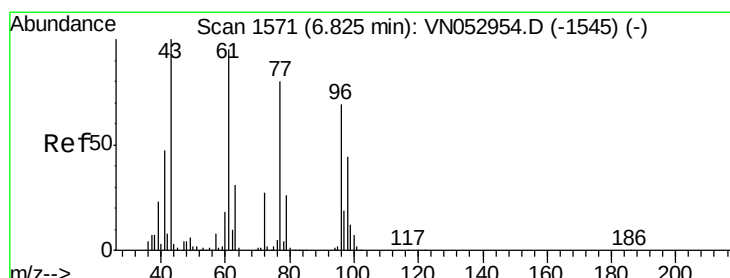
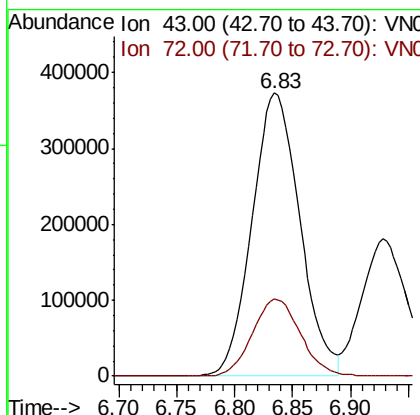
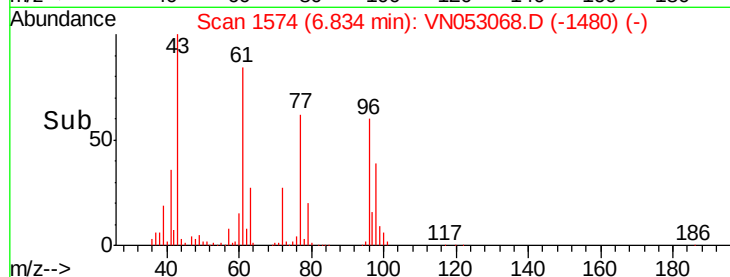
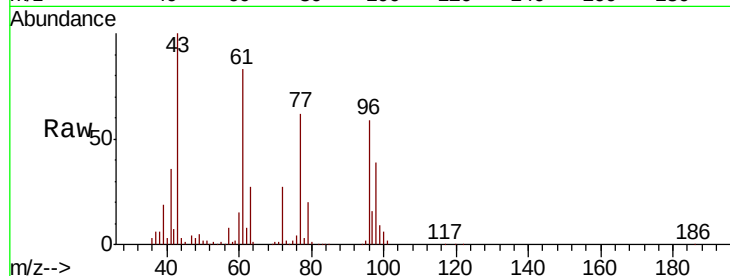
#25
2-Butanone
Concen: 294.581 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1068123
Ion Ratio Lower Upper
43 100
72 27.1 21.0 31.6

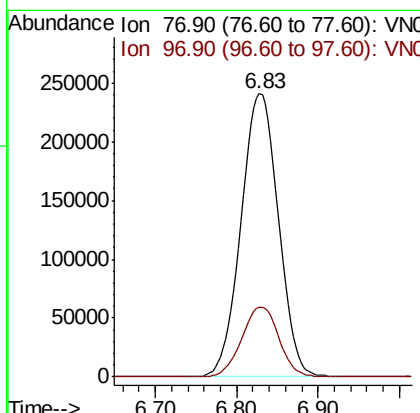
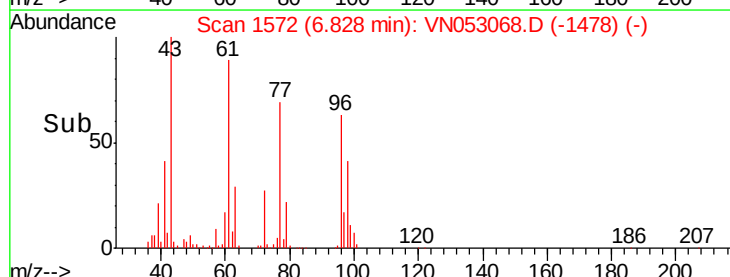
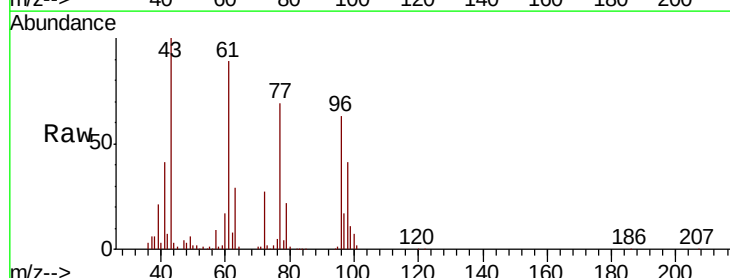
Manual Integrations
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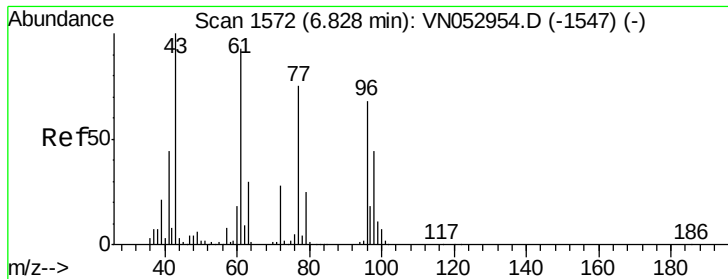
MMDadoda
12/21/2018 9:21:46 AM



#26
2,2-Dichloropropane
Concen: 49.203 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion: 77 Resp: 763722
Ion Ratio Lower Upper
77 100
97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 51.768 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

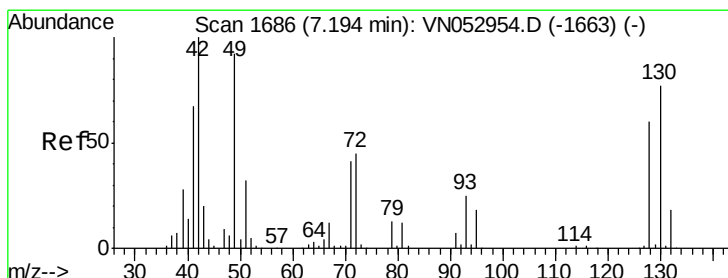
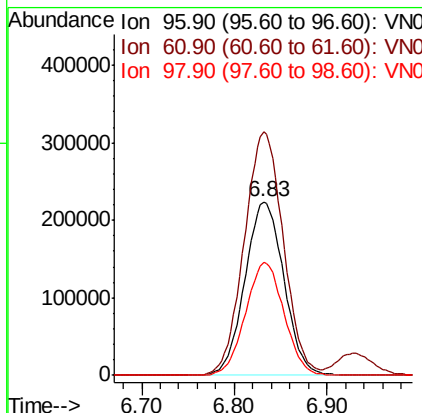
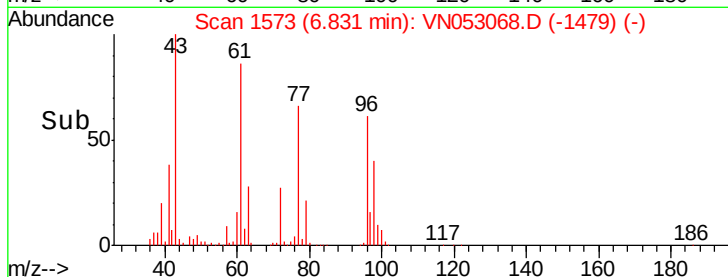
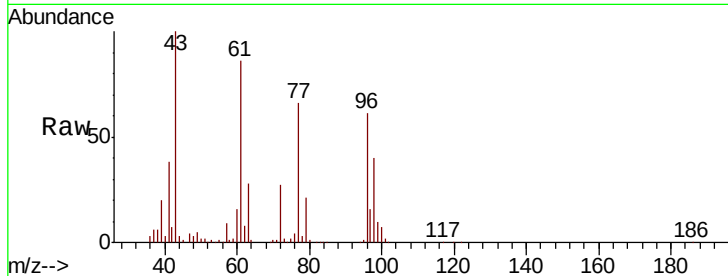
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	651690
Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	284.2
98	64.4	0.0	129.2

Manual Integrations
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12/21/2018 9:21:46 AM



#28

Bromochloromethane

Concen: 53.557 ug/l

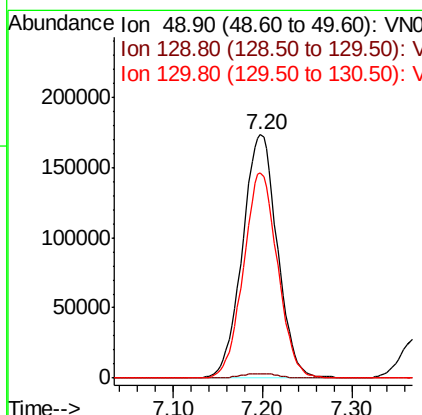
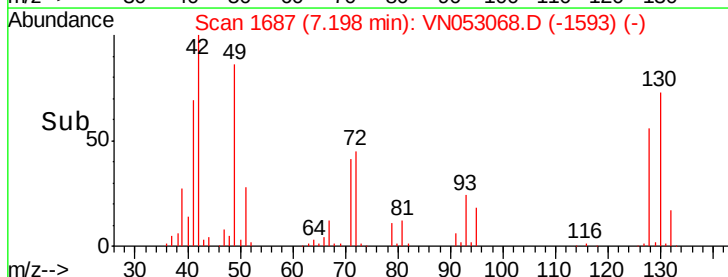
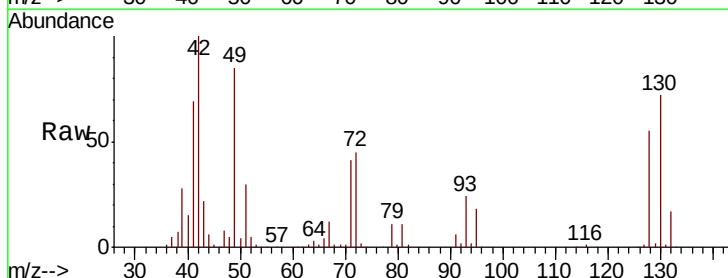
RT: 7.20 min Scan# 1687

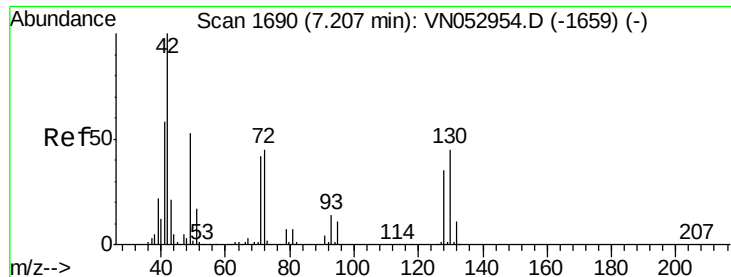
Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Tgt Ion:	49	Resp:	471887
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	82.9	63.3	94.9





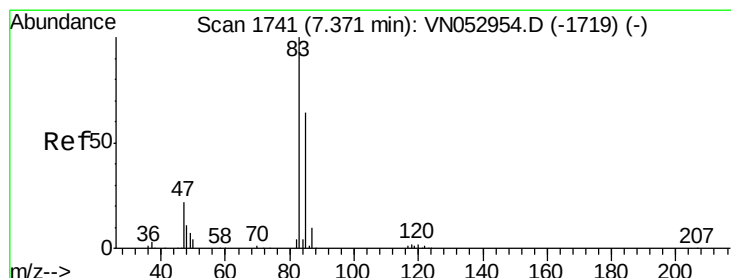
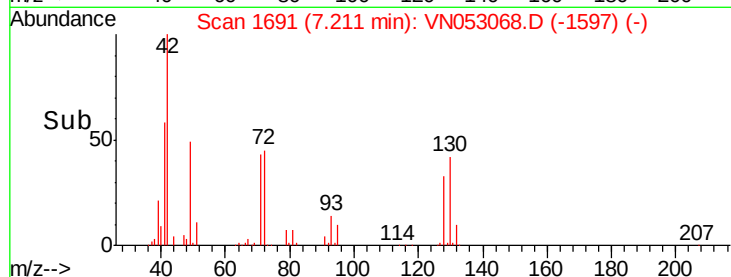
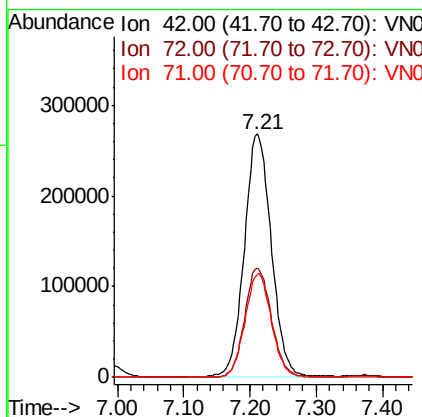
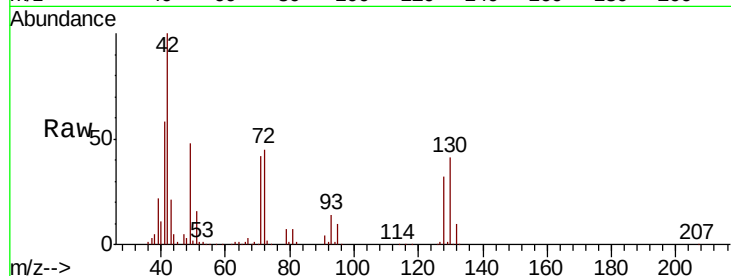
#29
Tetrahydrofuran
Concen: 279.669 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.7	52.1
71	41.7	32.3	48.5

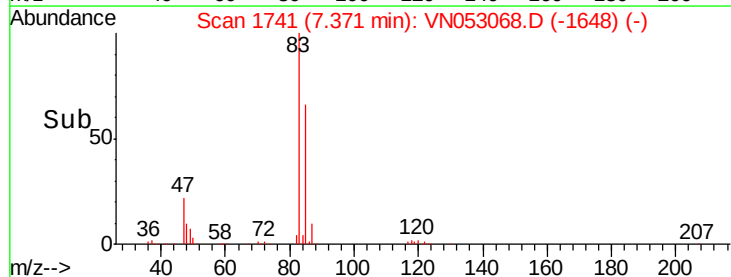
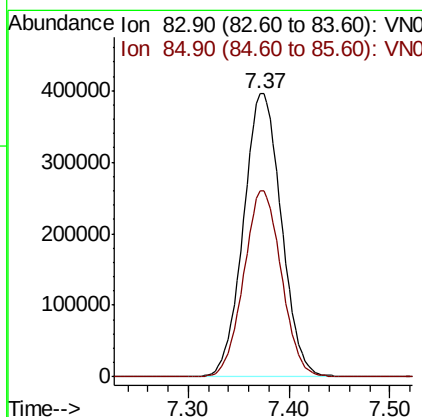
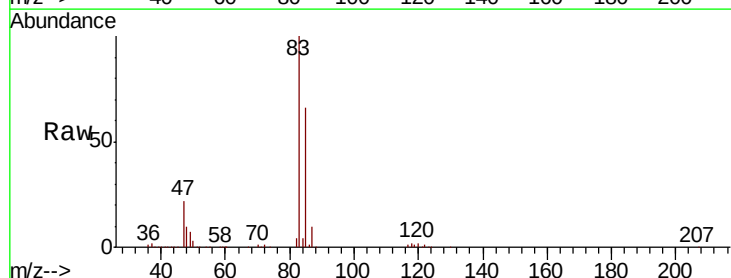
Manual Integrations
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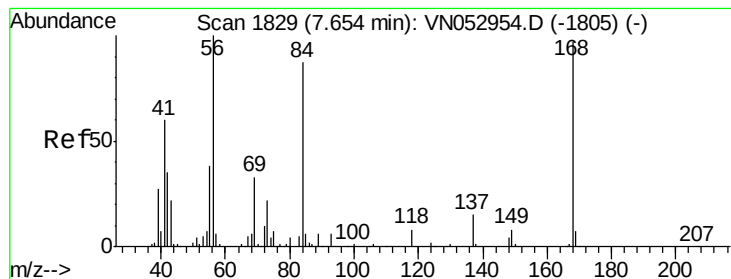
MMDadoda
12/21/2018 9:21:46 AM



#30
Chloroform
Concen: 51.607 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.1	78.1





#31

Cyclohexane

Concen: 51.176 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 975478

Ion Ratio Lower Upper

56 100

69 32.1 26.6 39.8

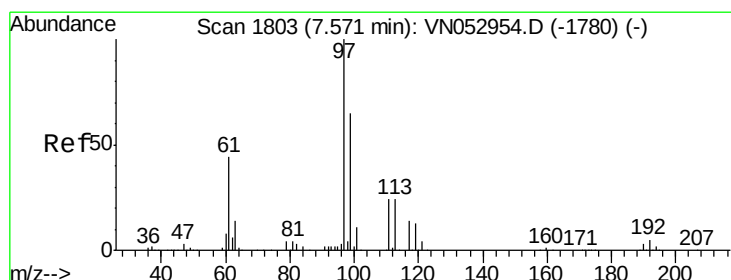
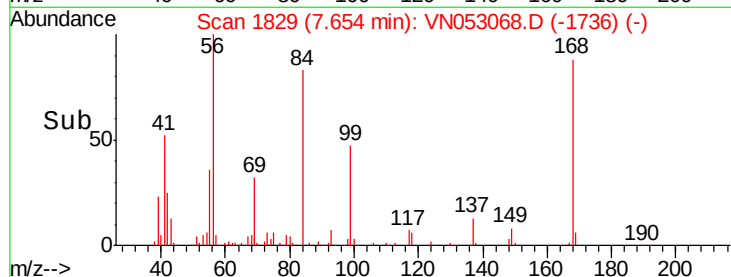
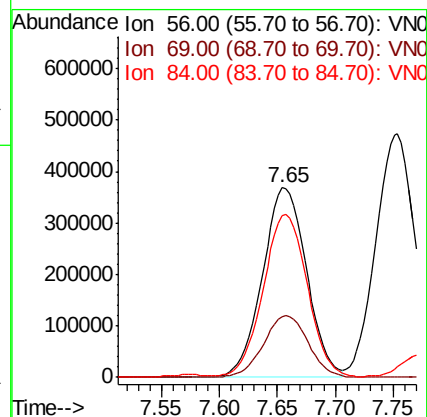
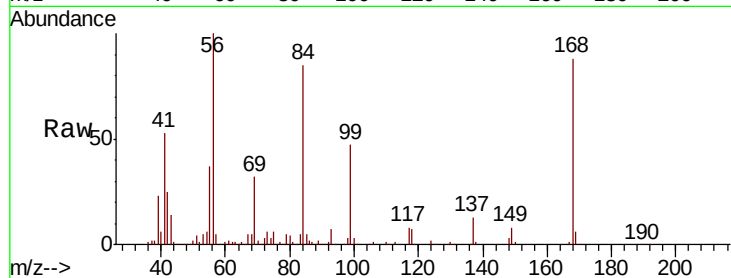
84 84.1 68.4 102.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 51.061 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

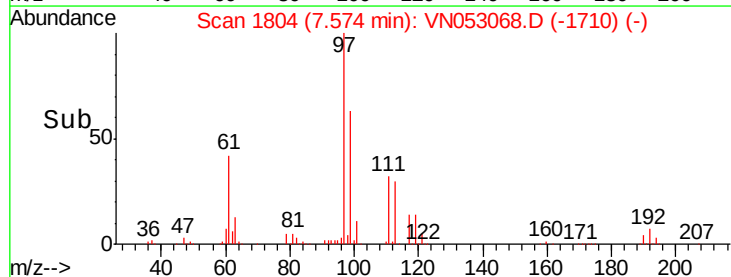
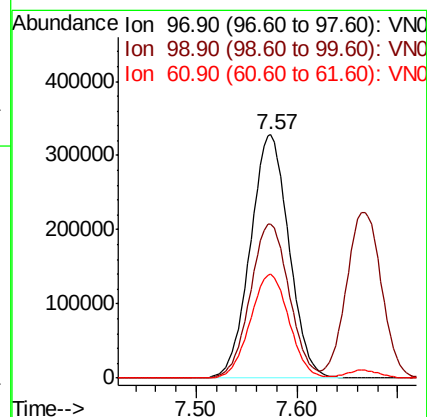
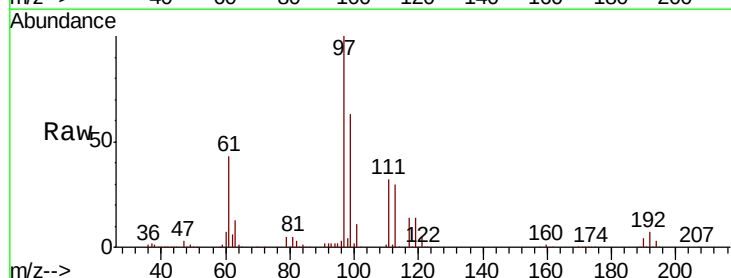
Tgt Ion: 97 Resp: 868846

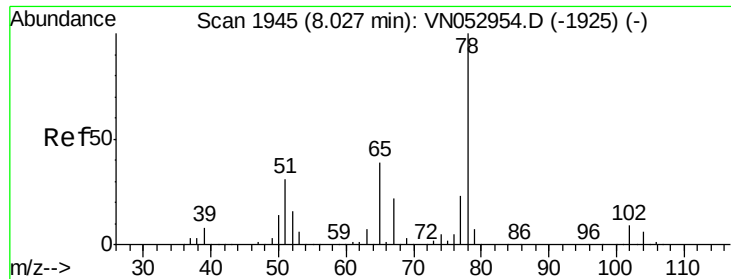
Ion Ratio Lower Upper

97 100

99 64.0 51.1 76.7

61 43.1 35.0 52.6





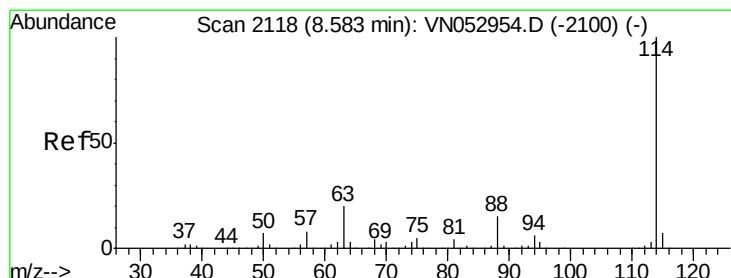
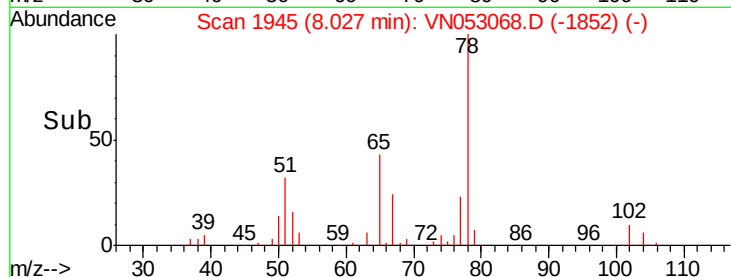
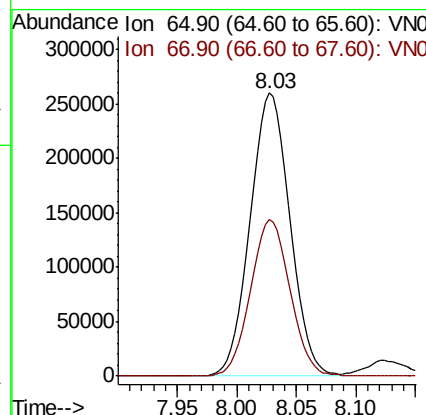
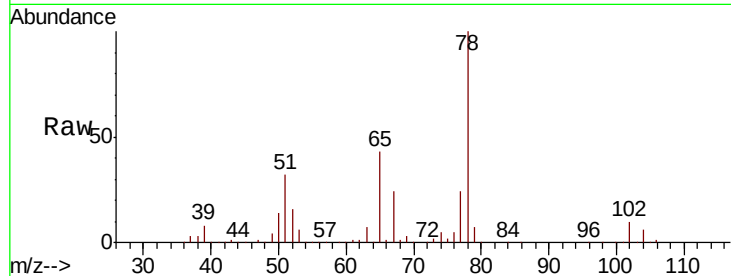
#33
 1,2-Dichloroethane-d4
 Concen: 51.061 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	110.4

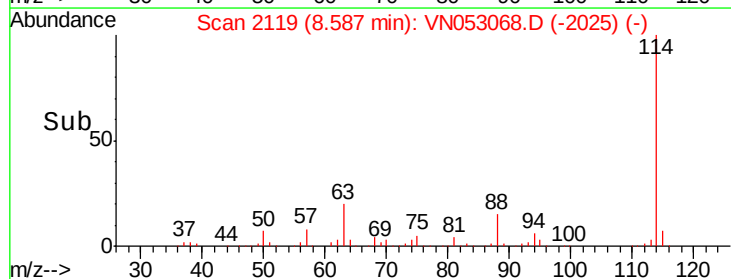
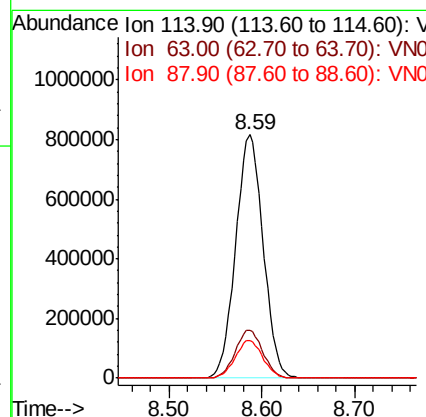
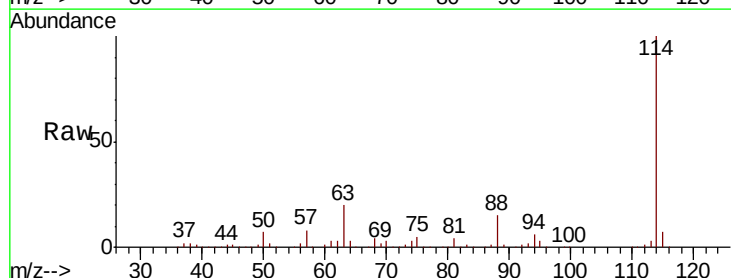
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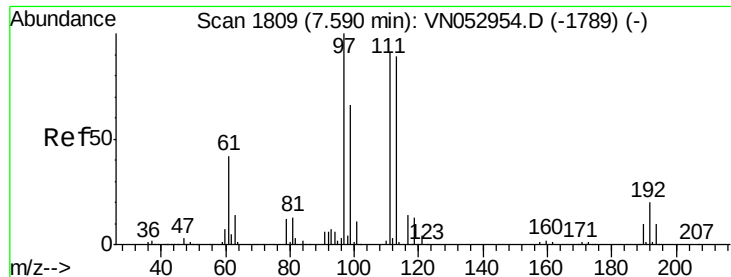
MMDadoda
 12/21/2018 9:21:46 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.8
88	15.4	0.0	31.0





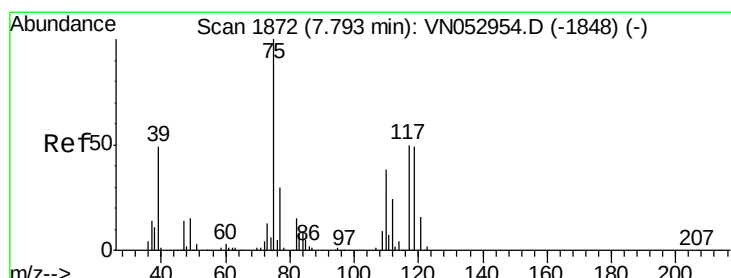
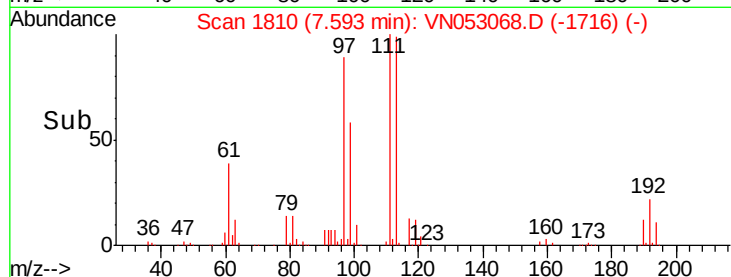
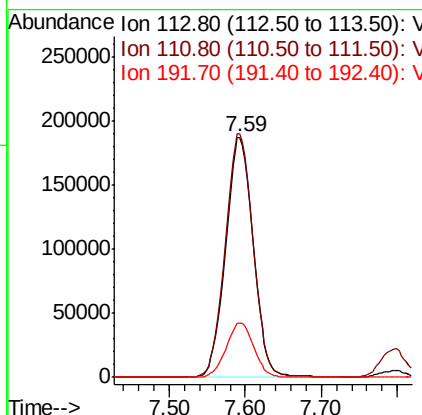
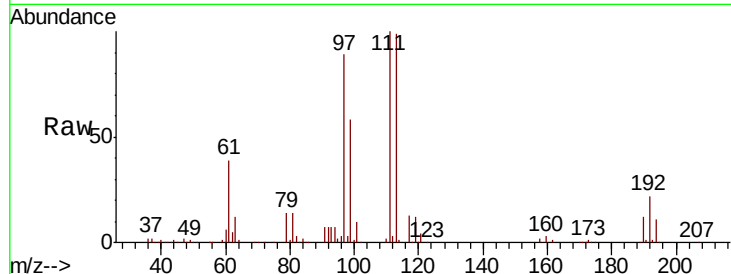
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.0	124.4
192	22.7	17.5	26.3

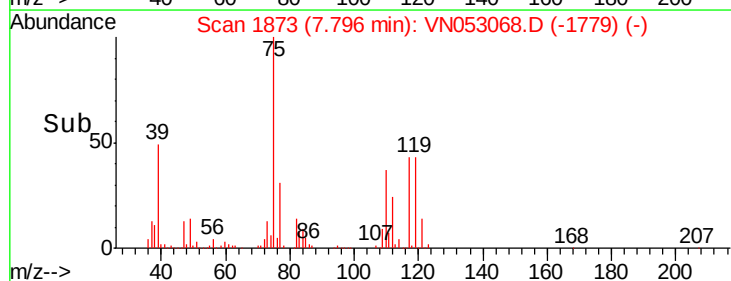
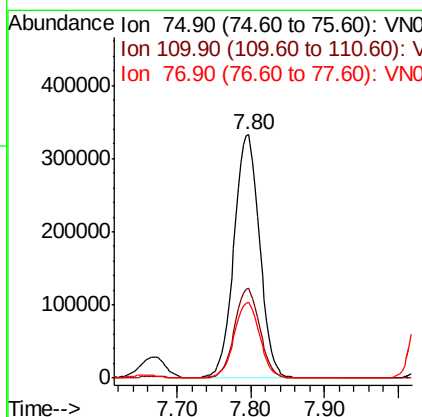
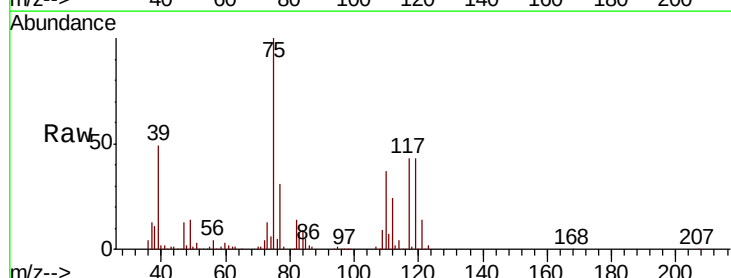
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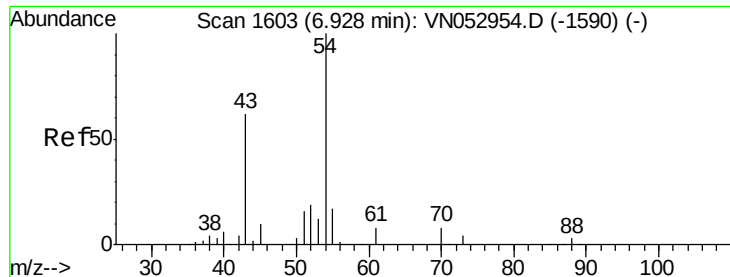
MMDadoda
 12/21/2018 9:21:46 AM



#36
 1,1-Dichloropropene
 Concen: 49.895 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.2	54.6
77	31.4	24.9	37.3





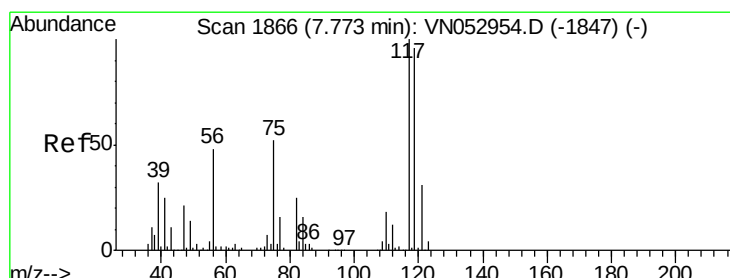
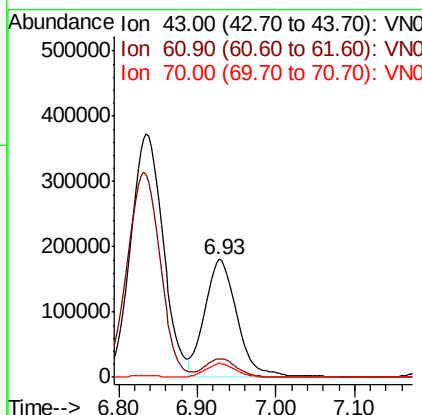
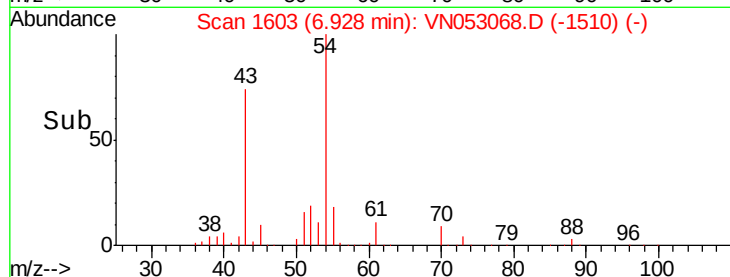
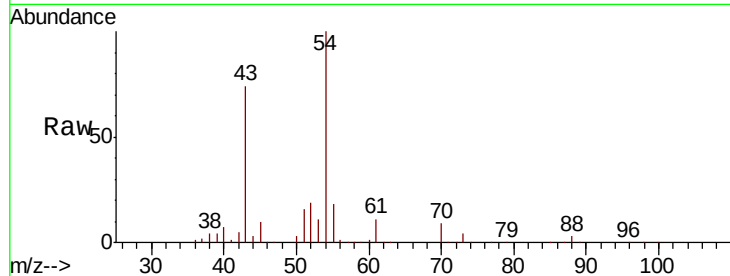
#37
Ethyl Acetate
Concen: 56.317 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	11.1	8.4	12.6

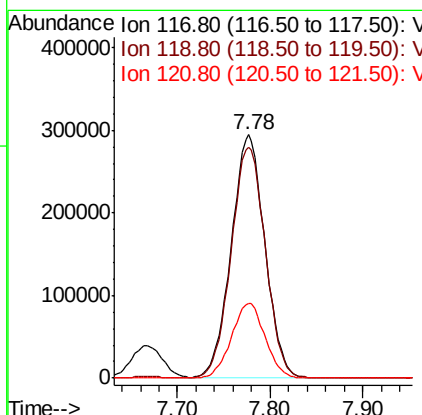
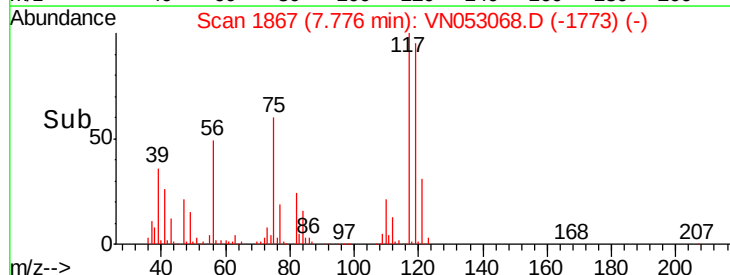
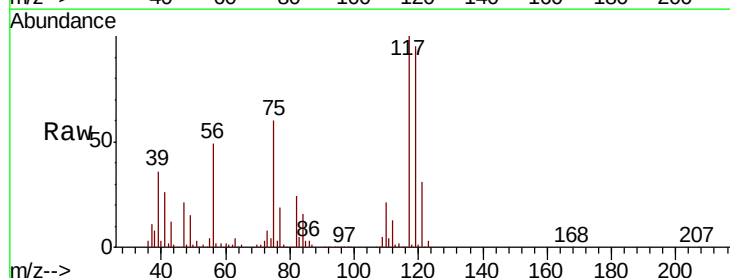
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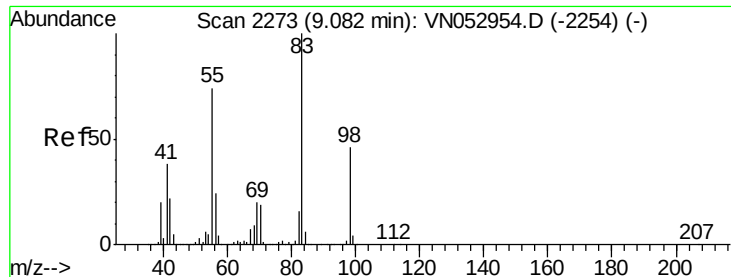
MMDadoda
12/21/2018 9:21:46 AM



#38
Carbon Tetrachloride
Concen: 50.053 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.1	115.7
121	31.0	24.9	37.3





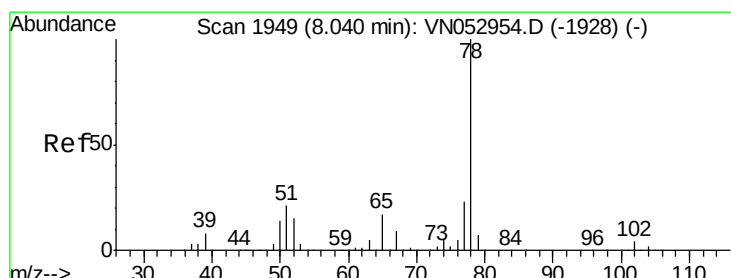
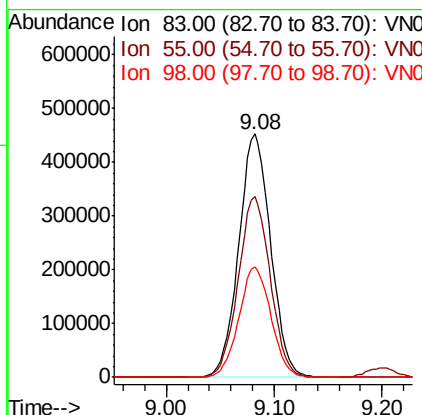
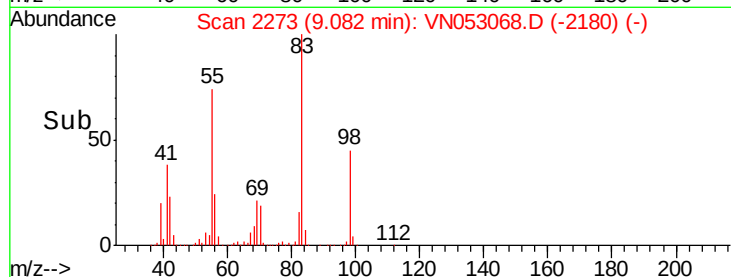
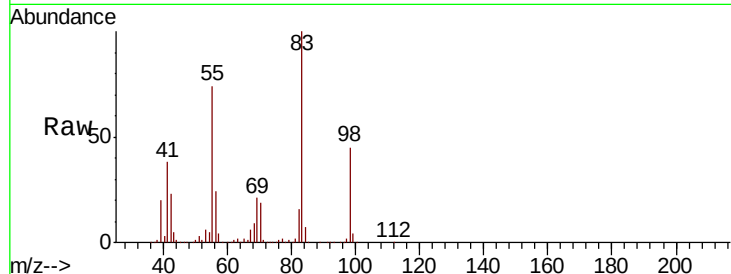
#39
Methylvlcyclohexane
Concen: 47.655 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	61.3	91.9
98	45.3	37.0	55.4

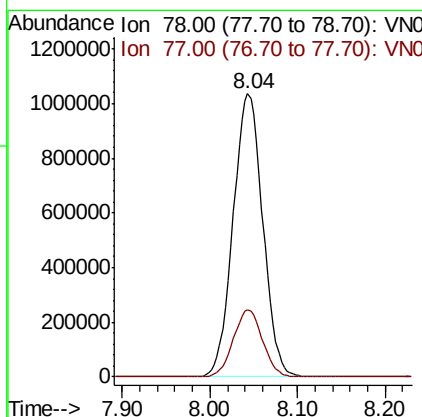
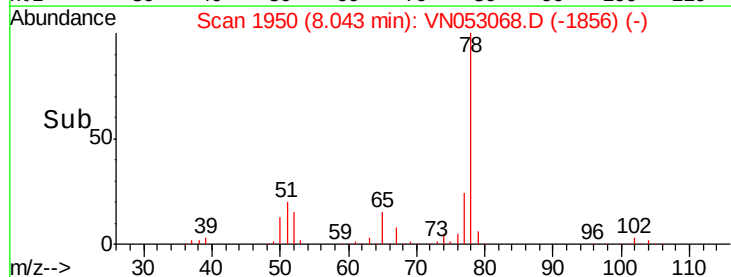
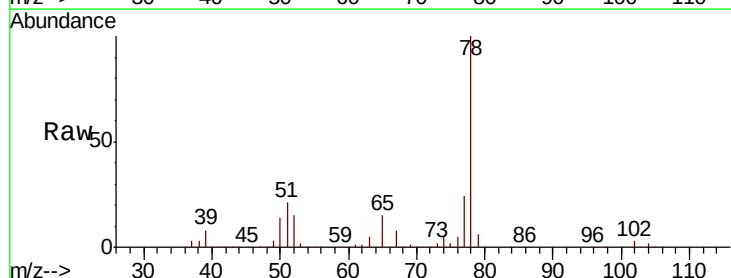
Manual Integrations
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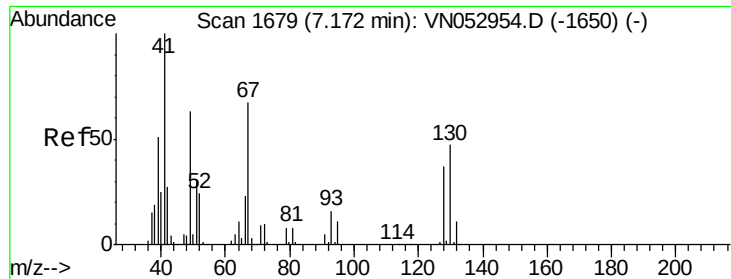
MMDadoda
12/21/2018 9:21:46 AM



#40
Benzene
Concen: 50.810 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.5	27.7





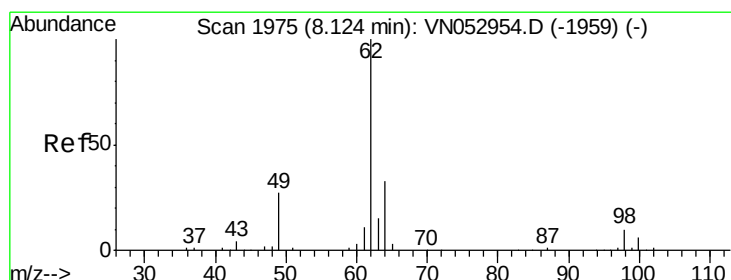
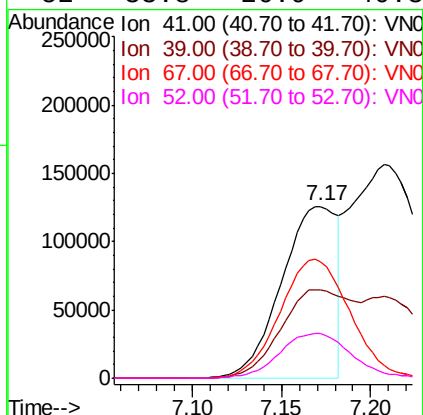
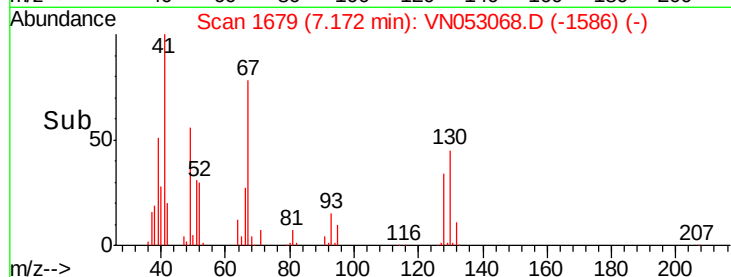
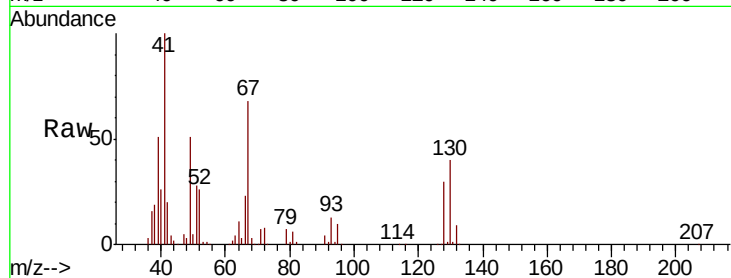
#41
Methacrylonitrile
Concen: 52.010 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		270144		
39	68.5	48.0	72.0		
67	88.6	70.3	105.5		
52	33.8	26.9	40.3		

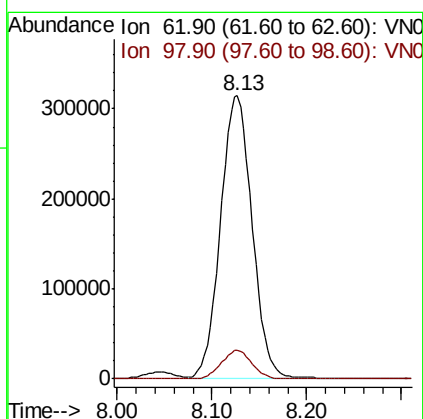
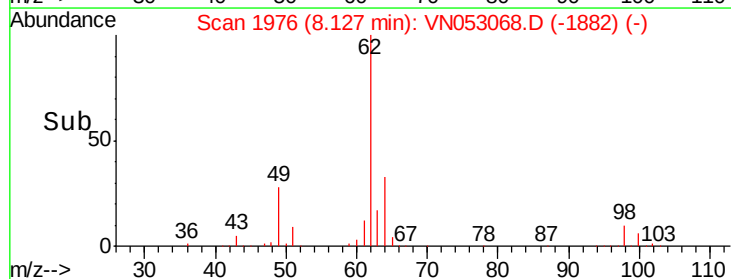
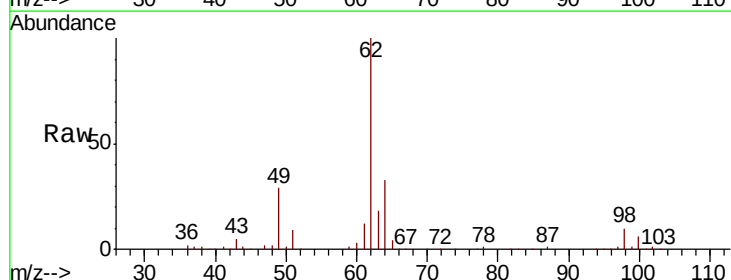
Manual Integrations
APPROVED

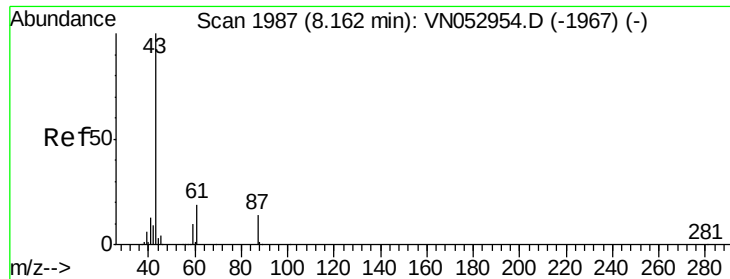
MMDadoda
12/21/2018 9:21:46 AM



#42
1,2-Dichloroethane
Concen: 51.414 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		727516		
98	9.8	0.0	19.0		





#43

Isopropyl Acetate

Concen: 54.590 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

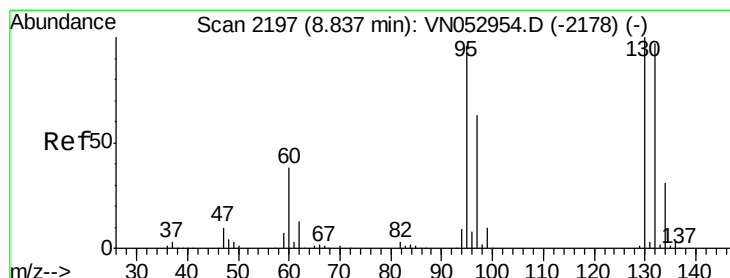
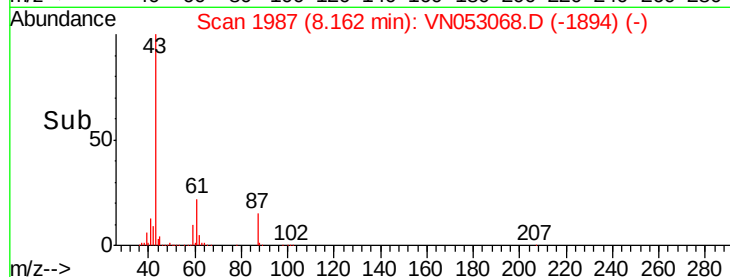
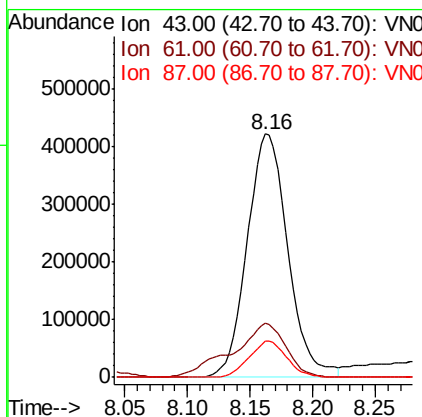
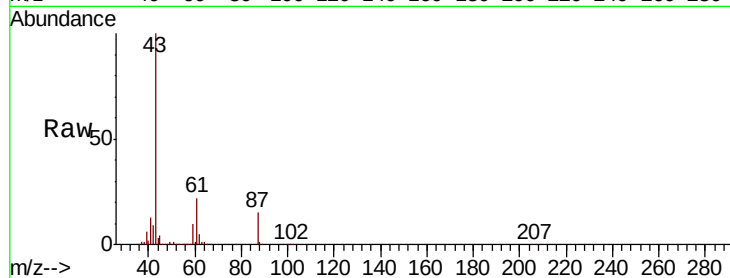
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	948004
Ion	Ratio	Lower	Upper
43	100		
61	28.9	22.9	34.3
87	13.9	10.6	15.8

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#44

Trichloroethene

Concen: 48.993 ug/l

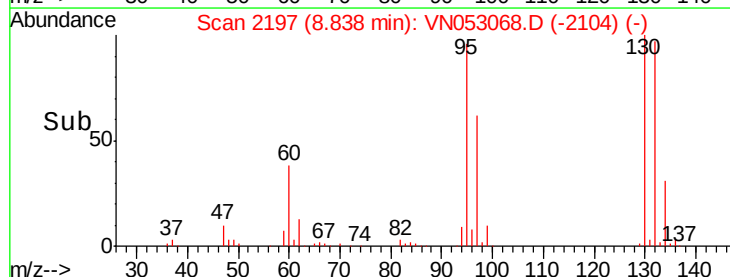
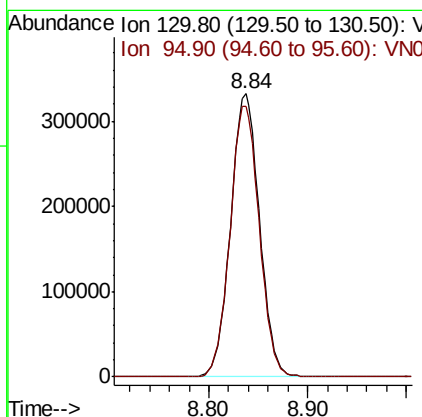
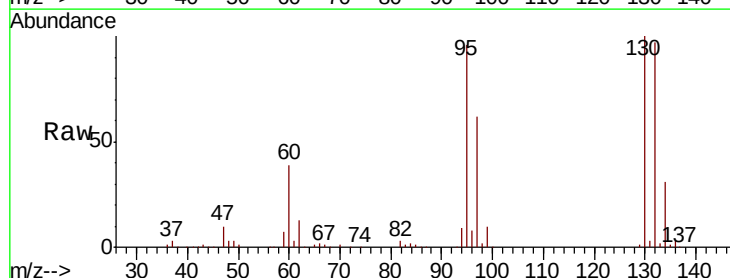
RT: 8.84 min Scan# 2197

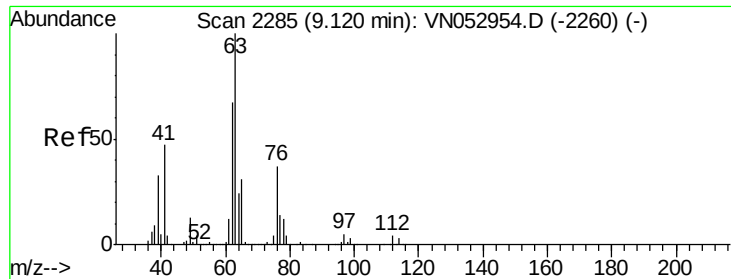
Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Tgt Ion:	130	Resp:	678753
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	197.8





#45

1,2-Dichloropropane

Concen: 52.339 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 652988

Ion Ratio Lower Upper

63 100

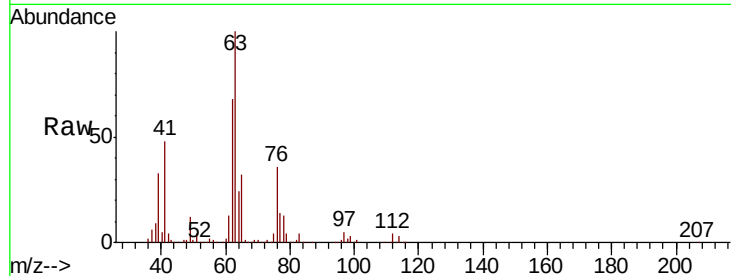
65 31.7 24.6 37.0

Manual Integrations

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MMDadoda

12/21/2018 9:21:46 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

300000

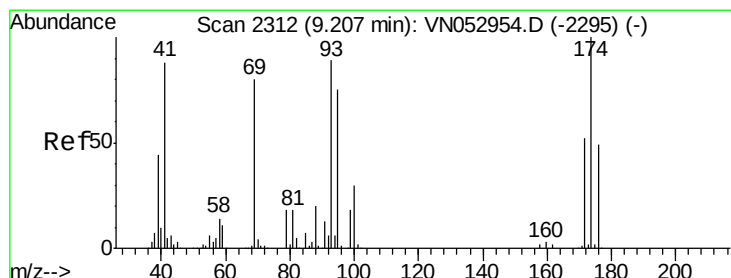
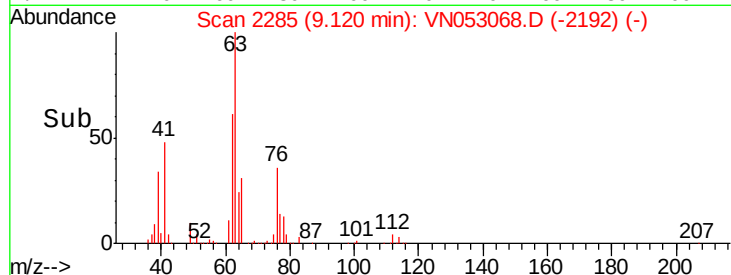
200000

100000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 50.992 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

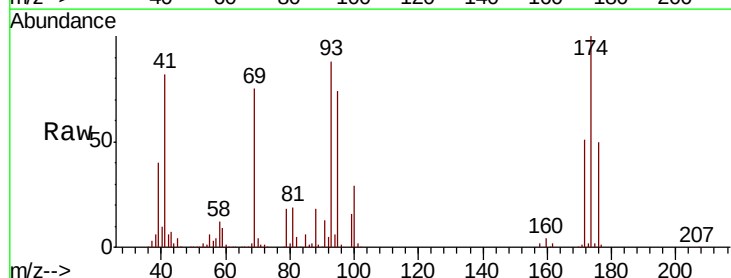
Tgt Ion: 93 Resp: 370609

Ion Ratio Lower Upper

93 100

95 83.9 67.8 101.6

174 114.4 89.0 133.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

250000

200000

150000

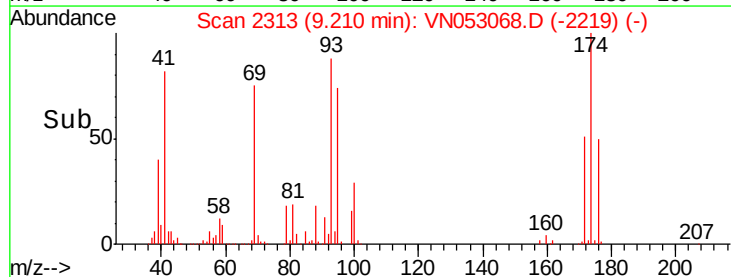
100000

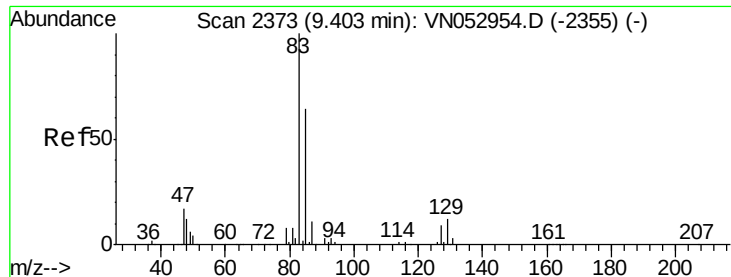
50000

0

Time-->

9.10 9.20 9.30





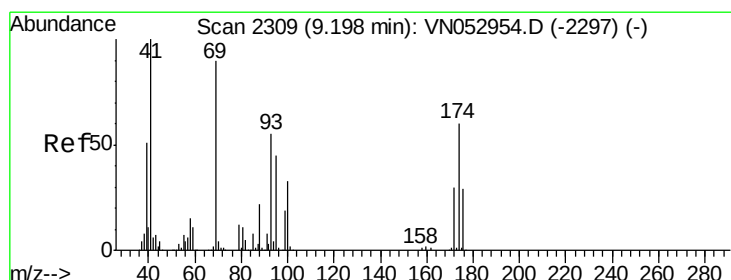
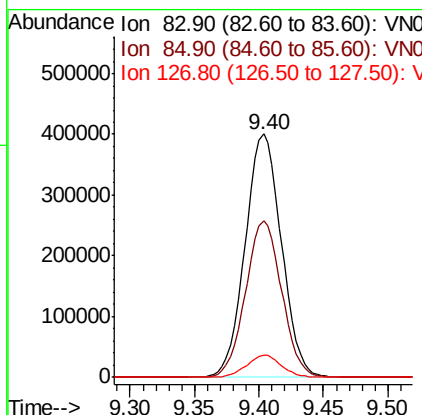
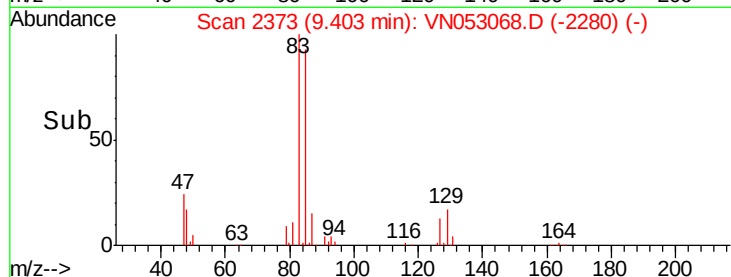
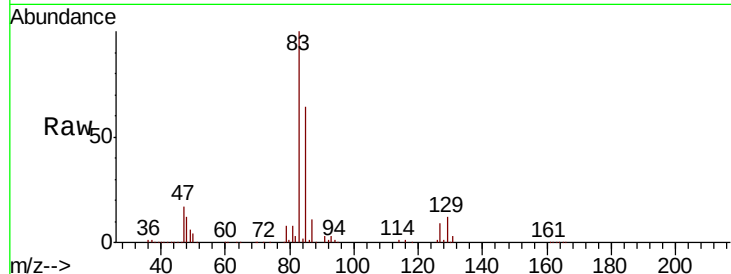
#47
Bromodichloromethane
Concen: 50.900 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	786359
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	51.6	77.4
127	9.1	7.1	10.7

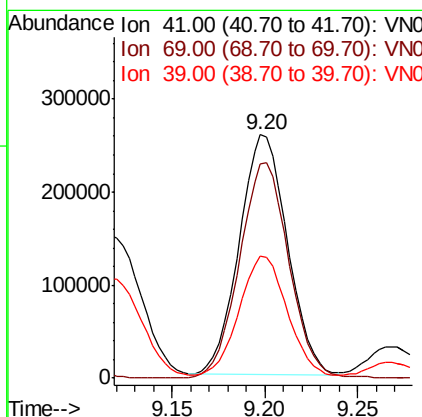
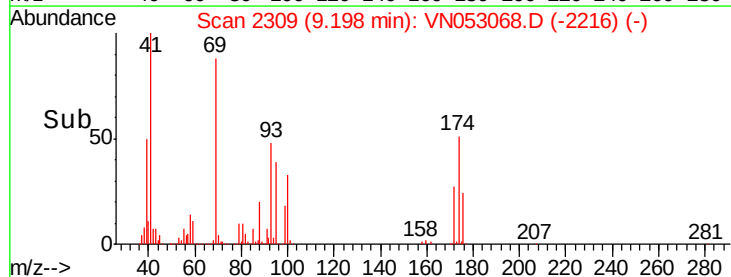
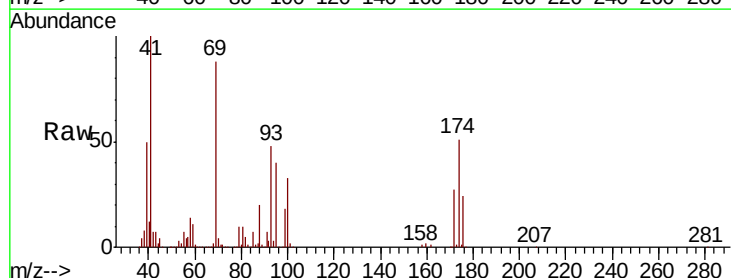
Manual Integrations
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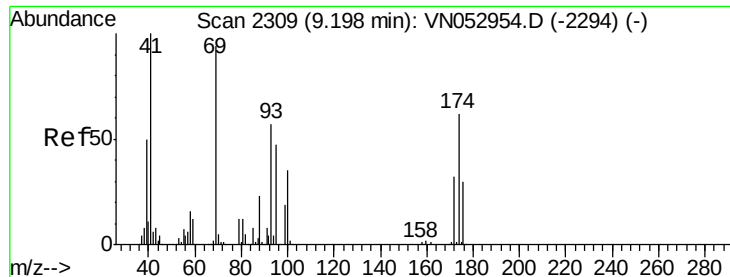
MMDadoda
12/21/2018 9:21:46 AM



#48
Methyl methacrylate
Concen: 53.684 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion	41	Resp	468295
Ion Ratio	100	Lower	Upper
41	100		
69	92.1	72.2	108.2
39	51.6	41.9	62.9





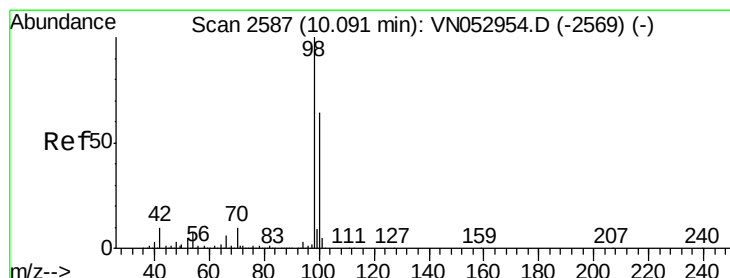
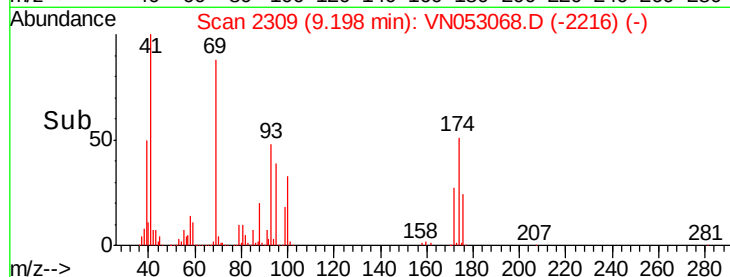
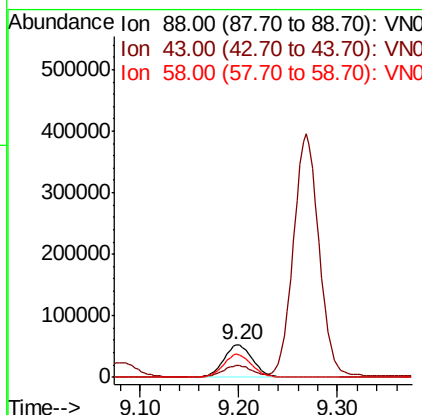
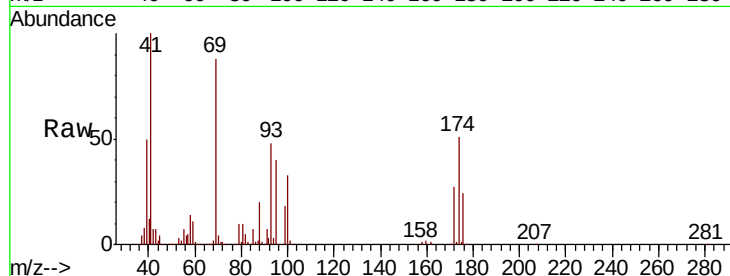
#49
1,4-Dioxane
Concen: 990.703 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.6	40.0
58	69.0	58.4	87.6

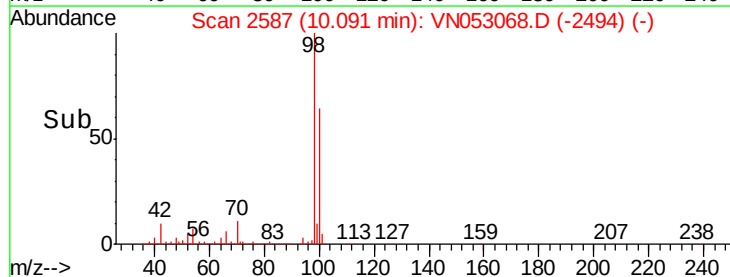
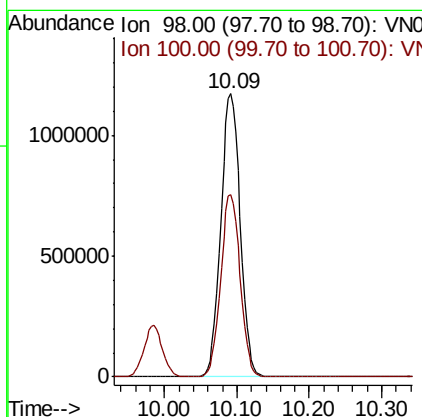
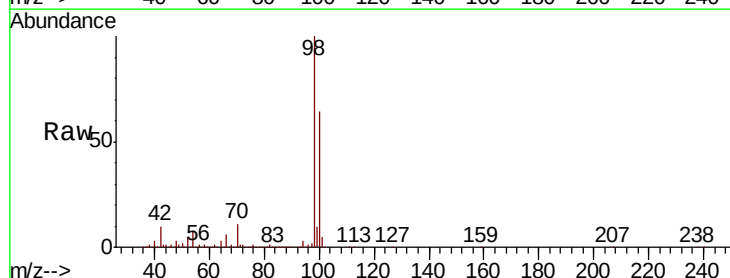
Manual Integrations
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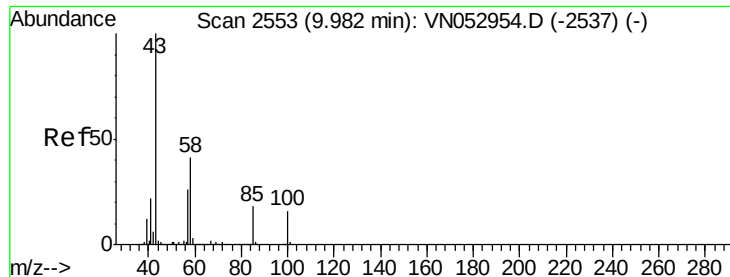
MMDadoda
12/21/2018 9:21:46 AM



#50
Toluene-d8
Concen: 990.703 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 278.456 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2424156

Ion Ratio Lower Upper

43 100

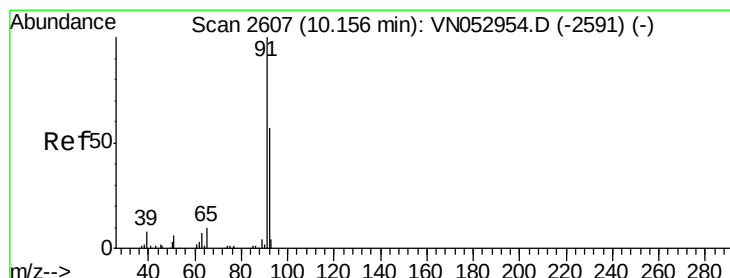
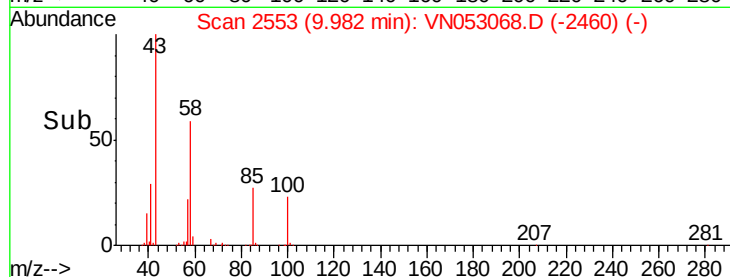
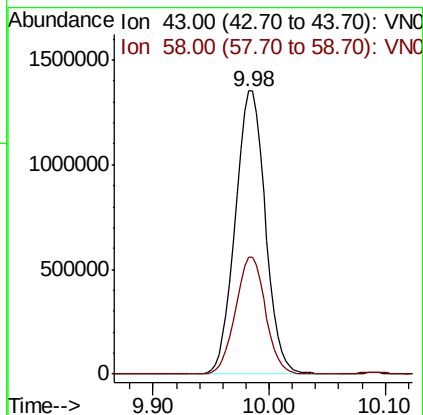
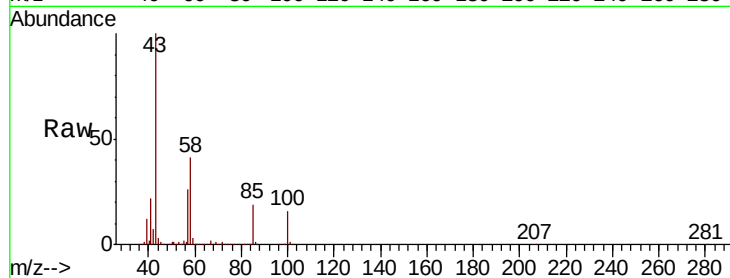
58 41.2 32.2 48.4

Manual Integrations

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12/21/2018 9:21:46 AM



#52

Toluene

Concen: 50.120 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053068.D

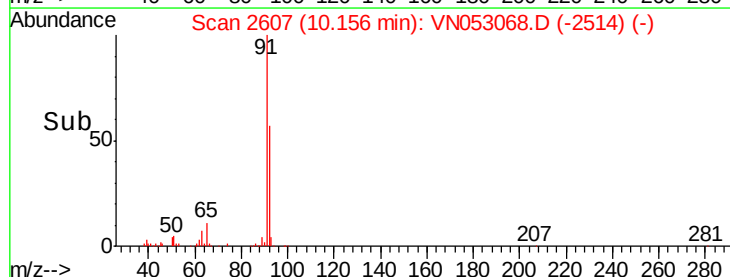
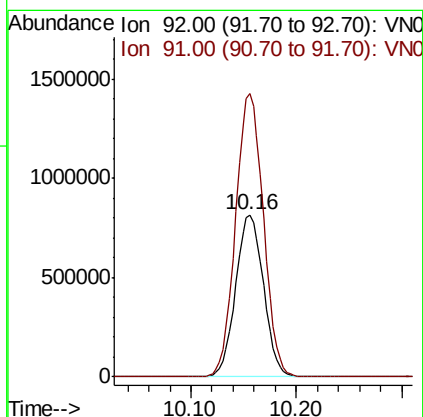
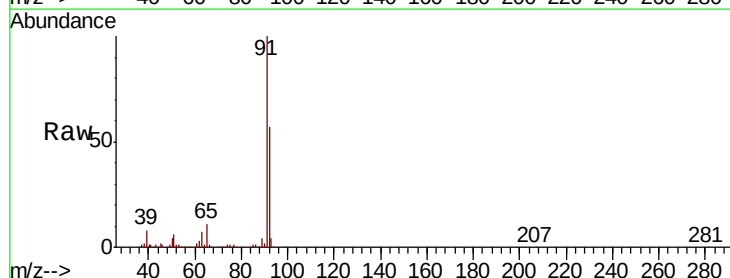
Acq: 20 Dec 2018 20:22

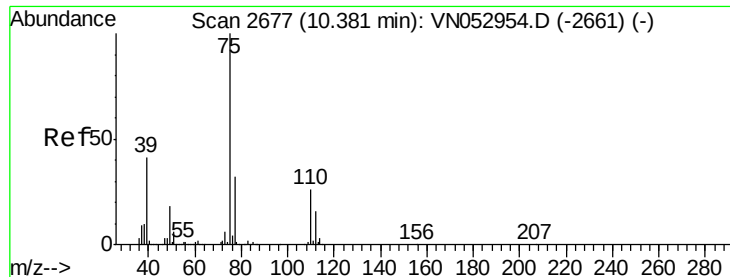
Tgt Ion: 92 Resp: 1487991

Ion Ratio Lower Upper

92 100

91 175.1 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 50.129 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 814361

Ion Ratio Lower Upper

75 100

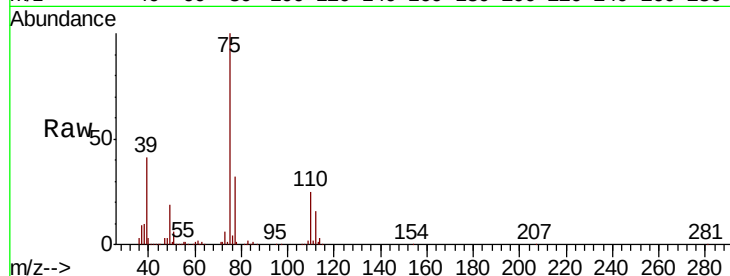
77 31.7 25.6 38.4

Manual Integrations

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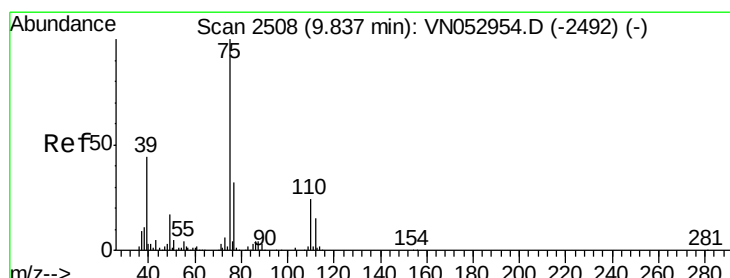
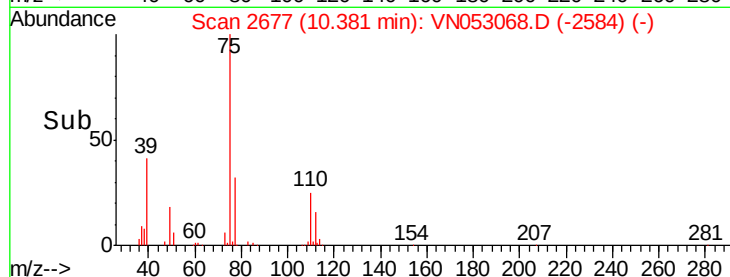
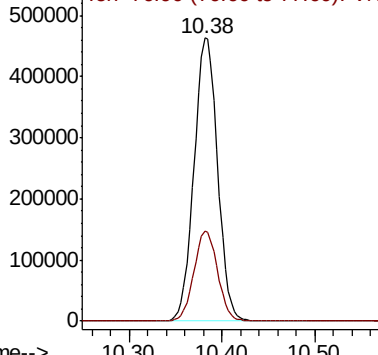
MMDadoda

12/21/2018 9:21:46 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.884 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

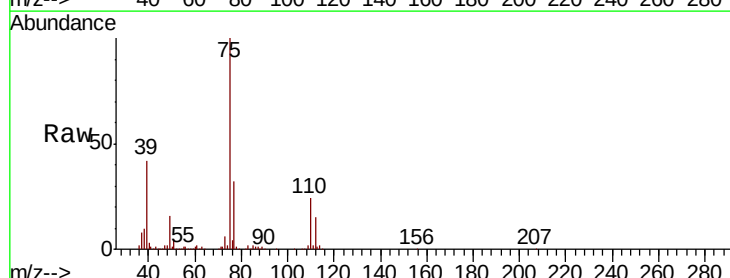
Tgt Ion: 75 Resp: 948843

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8

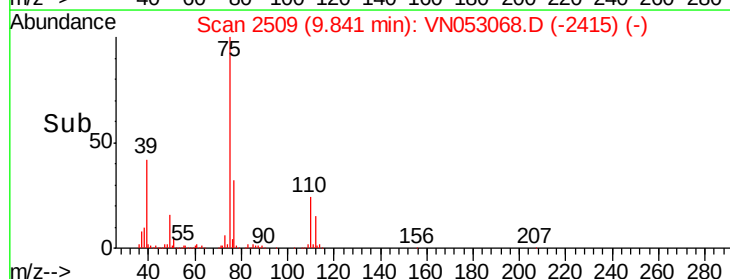
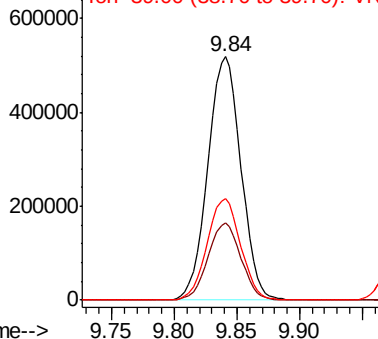
39 41.6 34.8 52.2

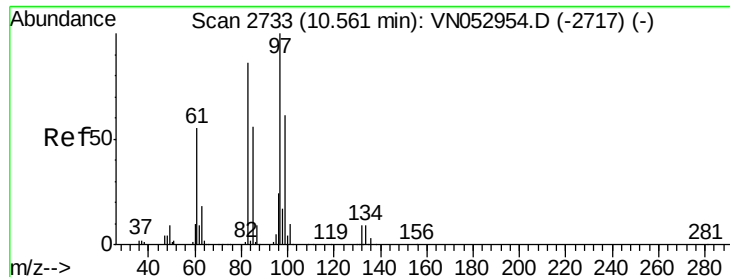


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 52.213 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

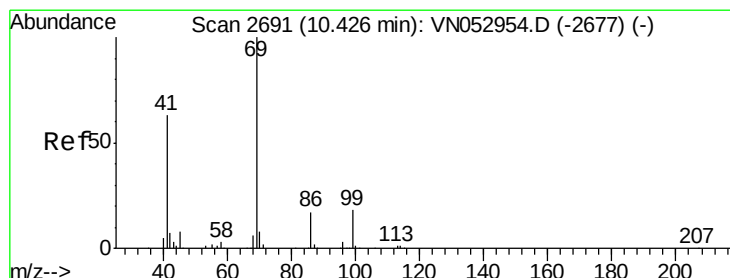
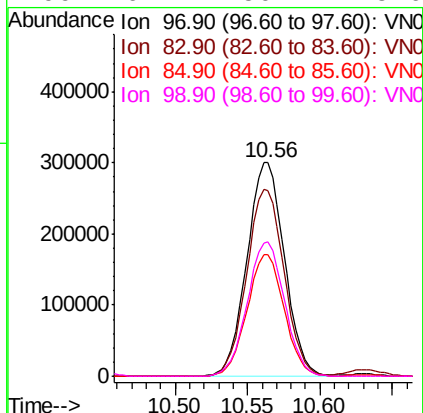
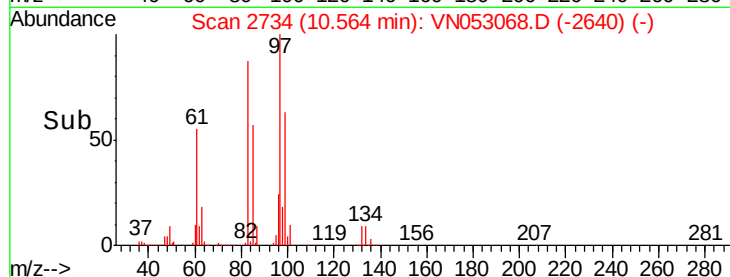
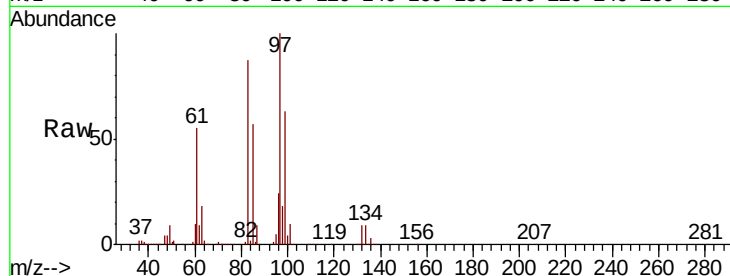
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	540794
Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.9	106.3
85	56.8	45.4	68.2
99	62.7	50.4	75.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 54.109 ug/l

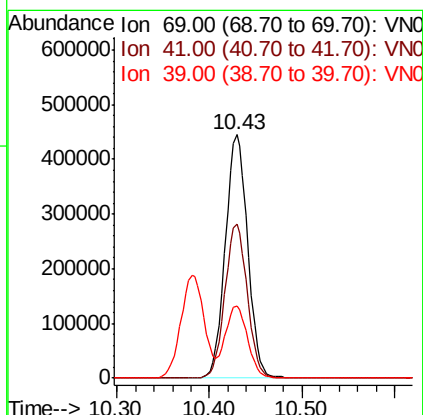
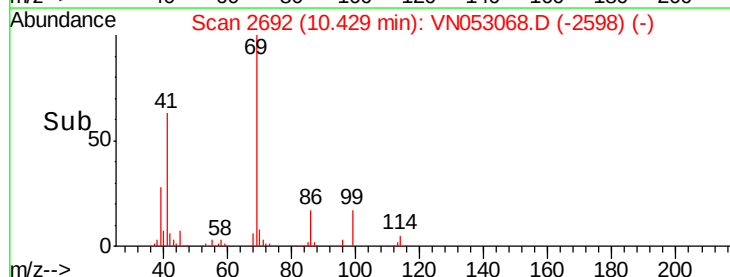
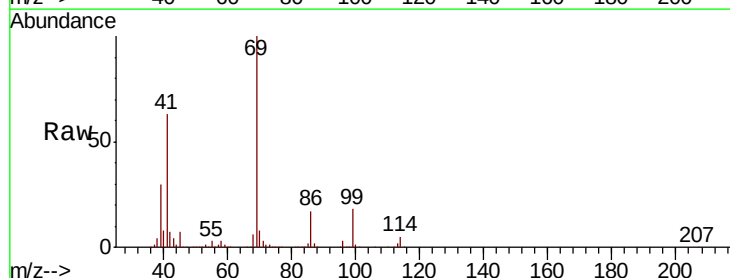
RT: 10.43 min Scan# 2692

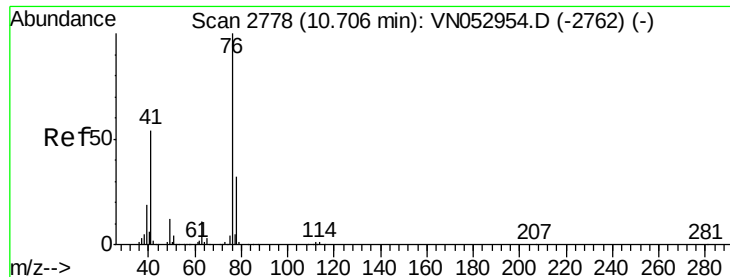
Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Tgt Ion:	69	Resp:	741791
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.7	77.5
39	29.6	24.6	37.0





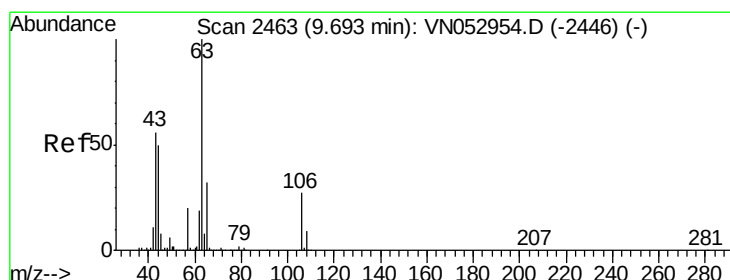
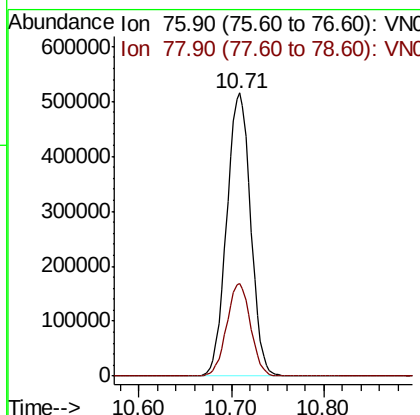
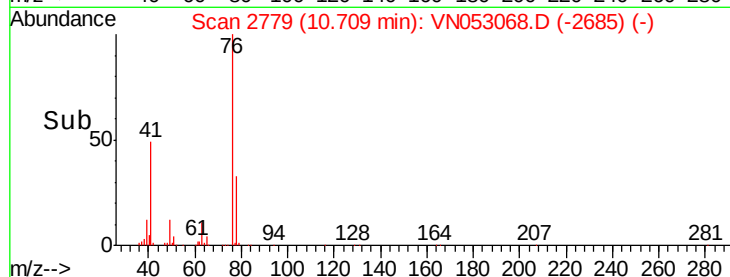
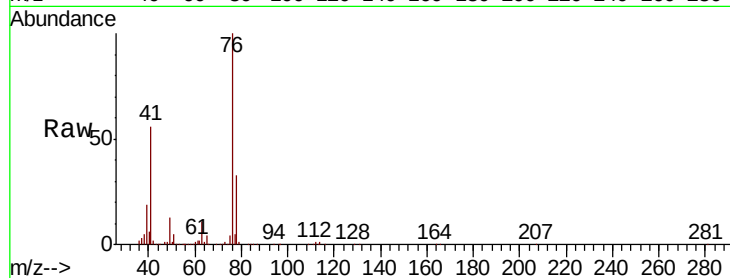
#57
 1,3-Dichloropropane
 Concen: 51.909 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

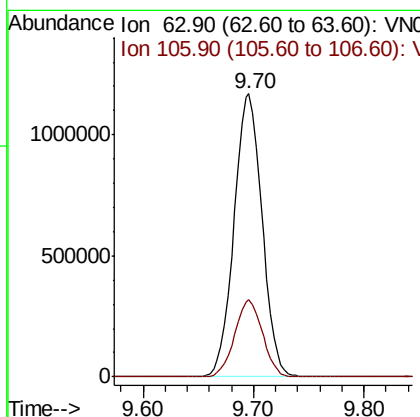
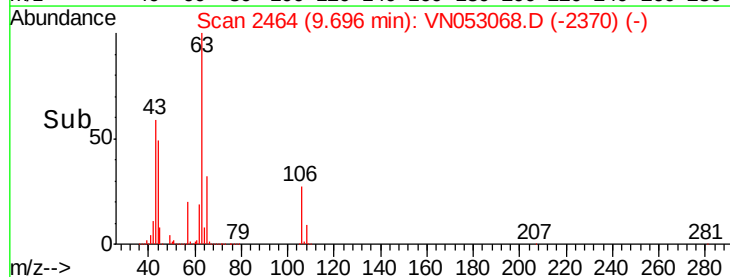
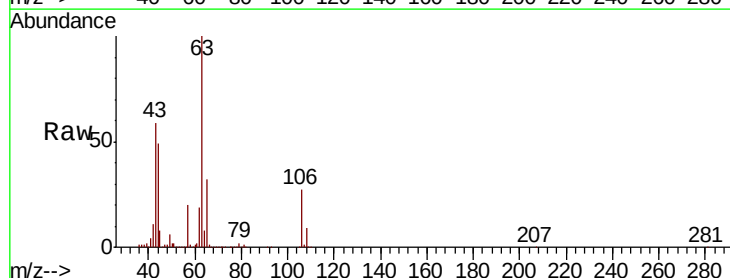
Manual Integrations
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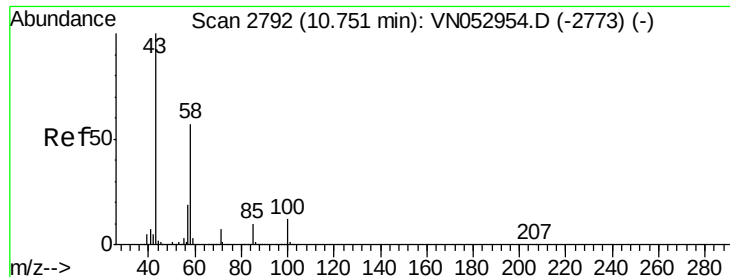
MMDadoda
 12/21/2018 9:21:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.326 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.0	31.6





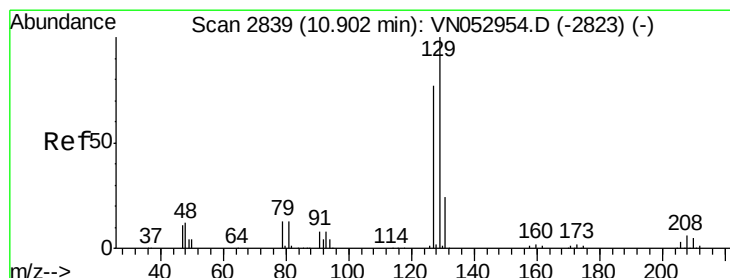
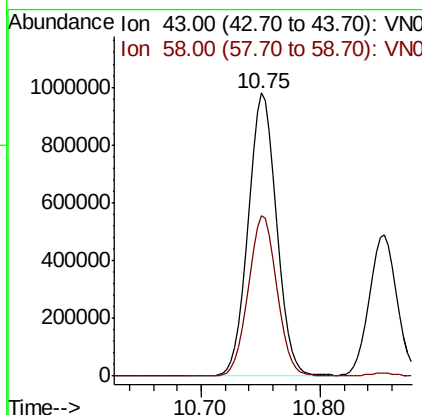
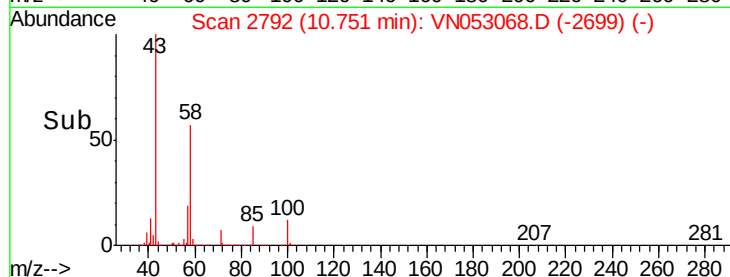
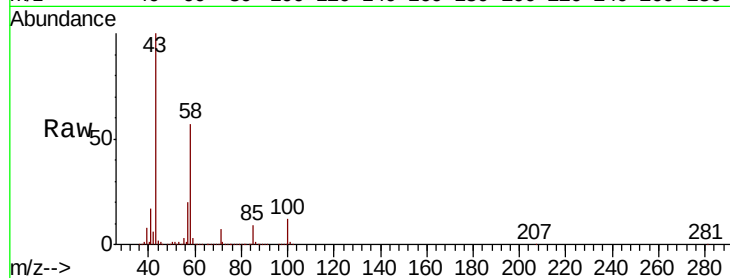
#59
2-Hexanone
Concen: 274.780 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1618489
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3

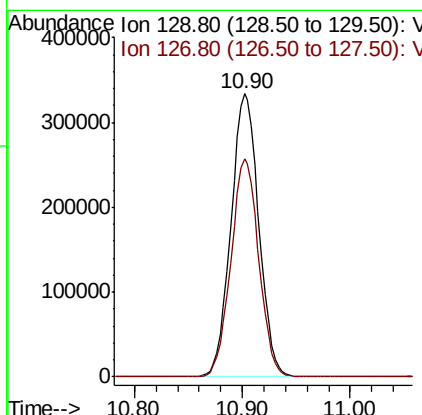
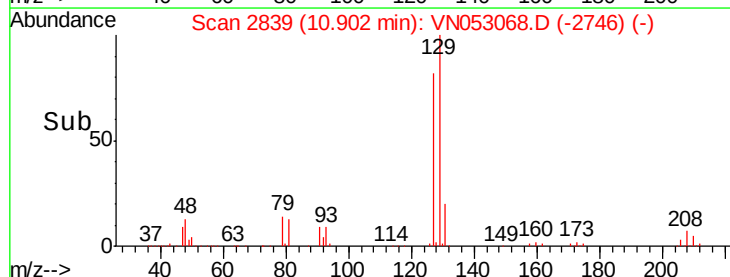
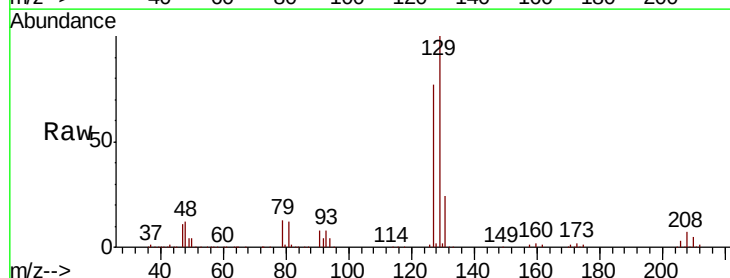
Manual Integrations
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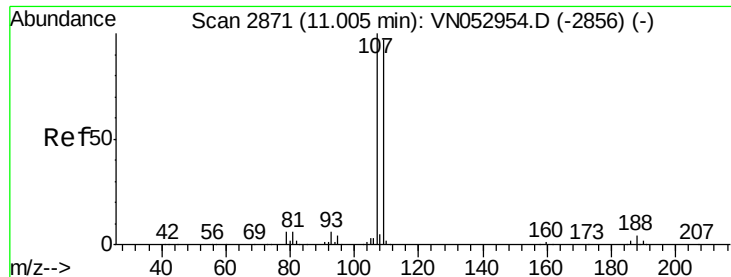
MMDadoda
12/21/2018 9:21:46 AM



#60
Dibromochloromethane
Concen: 50.600 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion:129 Resp: 599910
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





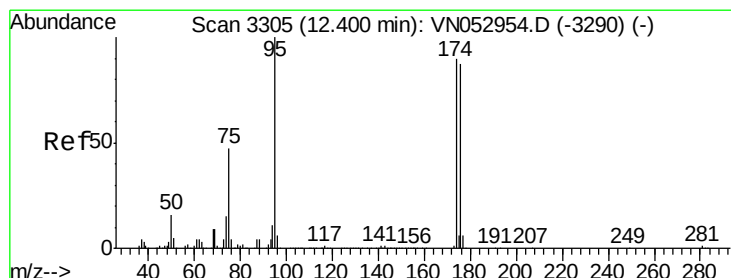
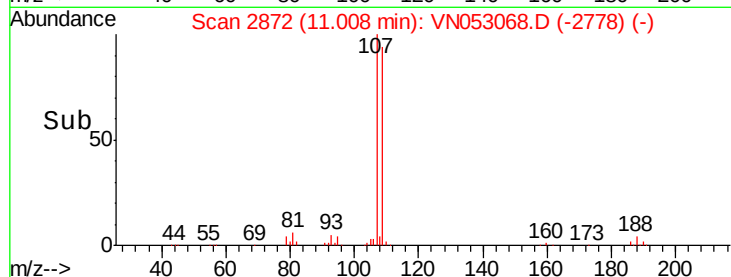
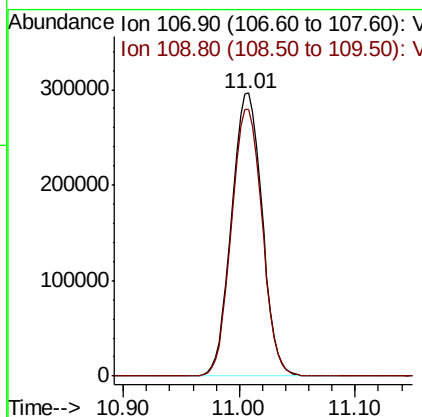
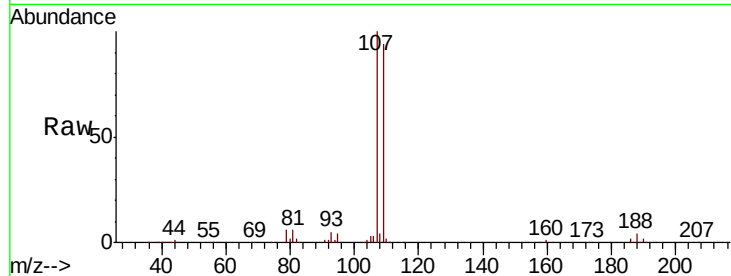
#61
1,2-Dibromoethane
Concen: 51.310 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 107 Resp: 539734
Ion Ratio Lower Upper
107 100
109 95.1 75.4 113.0

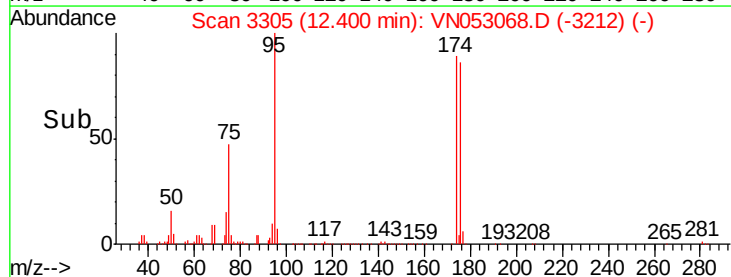
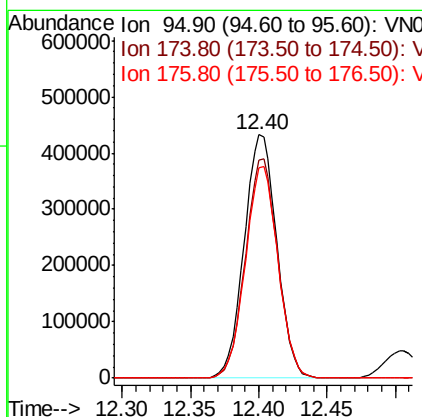
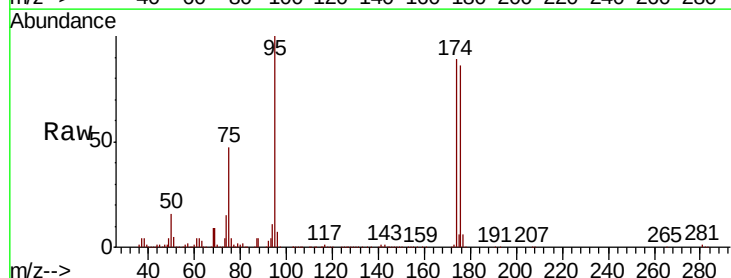
Manual Integrations
APPROVED

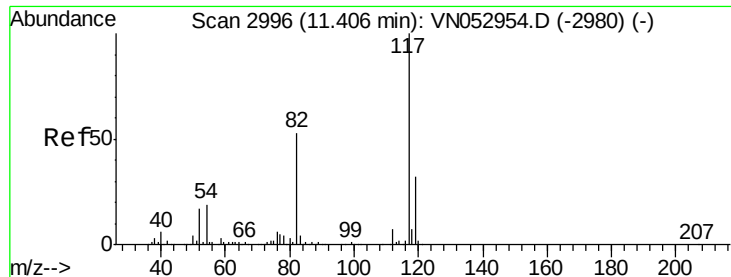
MMDadoda
12/21/2018 9:21:46 AM



#62
4-Bromofluorobenzene
Concen: 51.310 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion: 95 Resp: 718201
Ion Ratio Lower Upper
95 100
174 89.2 0.0 178.8
176 86.9 0.0 173.8





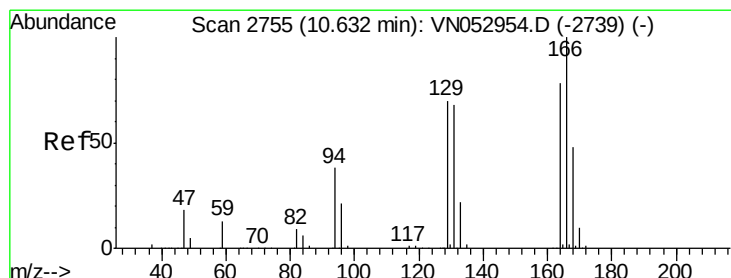
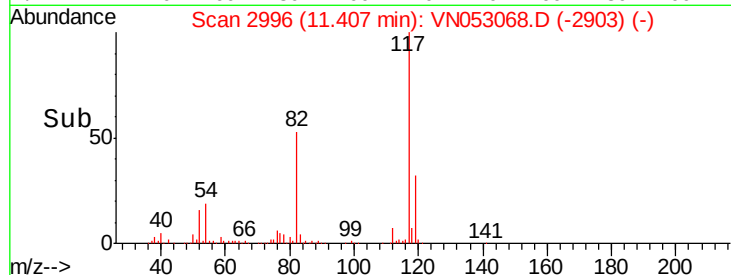
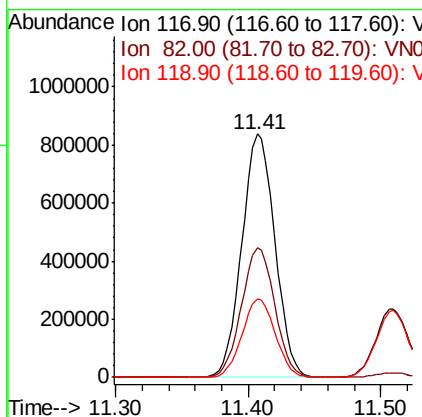
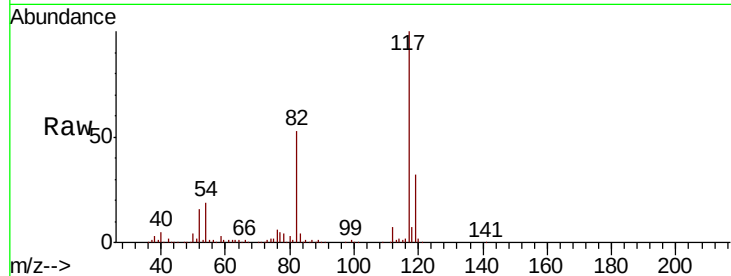
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1450534
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 32.2 25.5 38.3

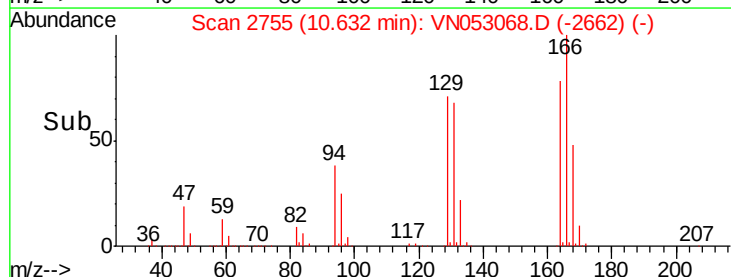
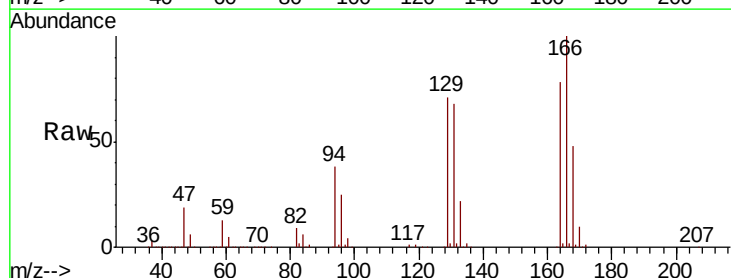
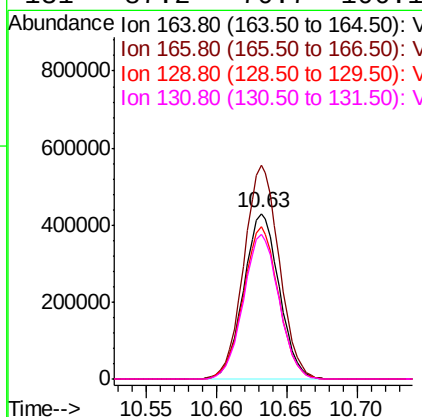
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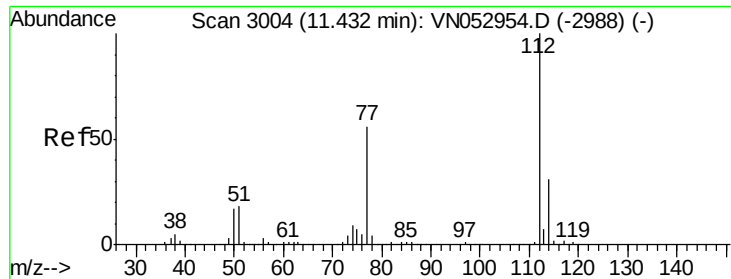
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#64
Tetrachloroethene
Concen: 48.224 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion:164 Resp: 757716
Ion Ratio Lower Upper
164 100
166 129.0 102.9 154.3
129 91.7 73.7 110.5
131 87.2 70.7 106.1





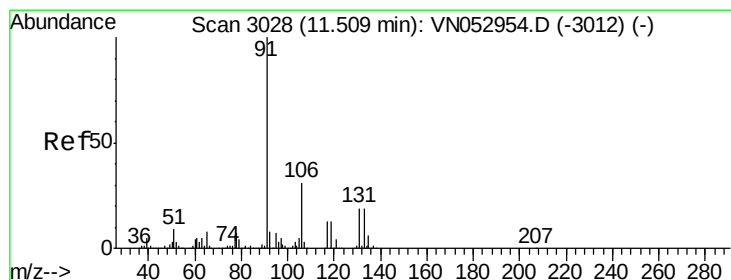
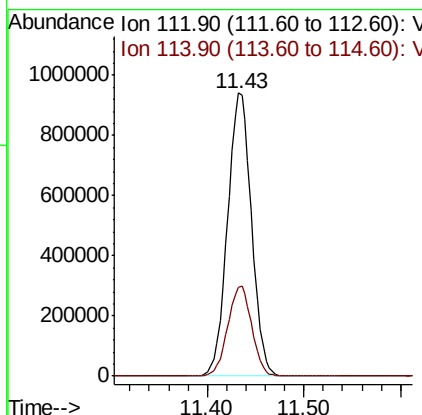
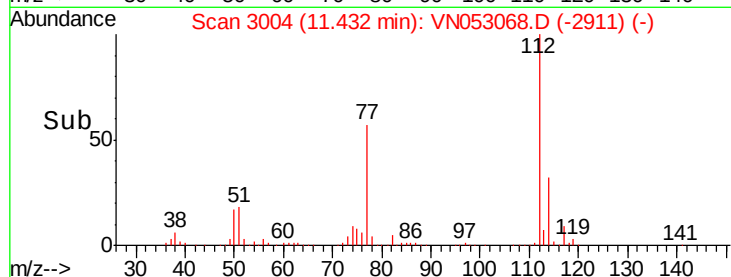
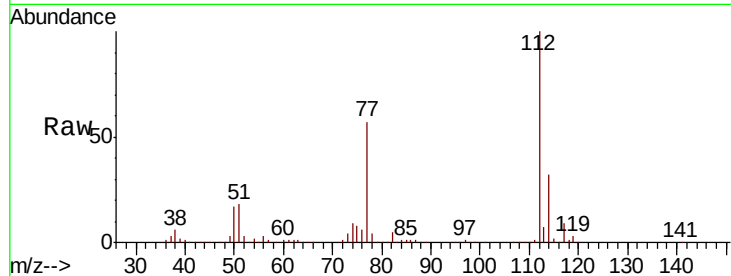
#65
Chlorobenzene
Concen: 50.151 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1612572
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3

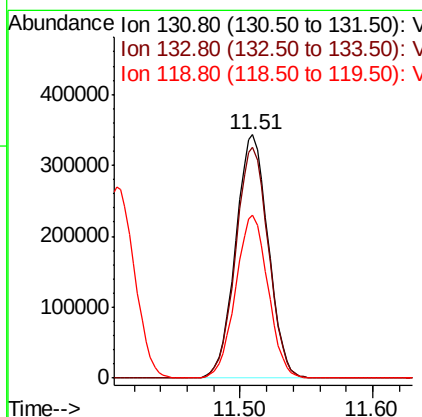
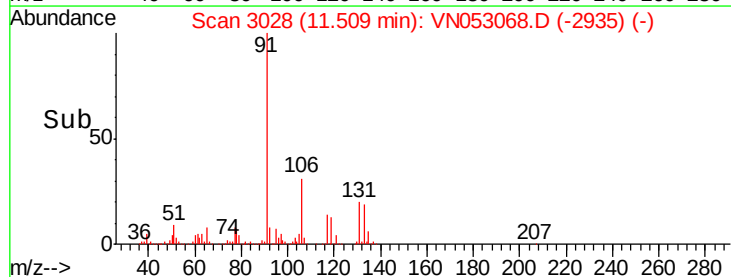
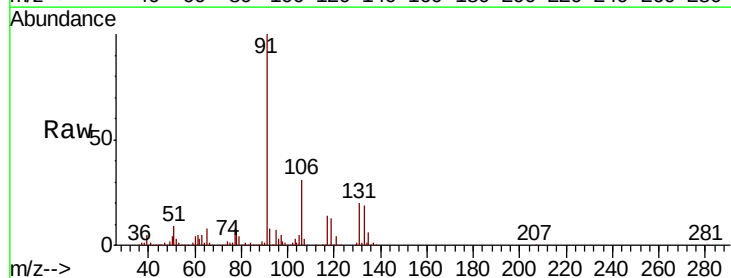
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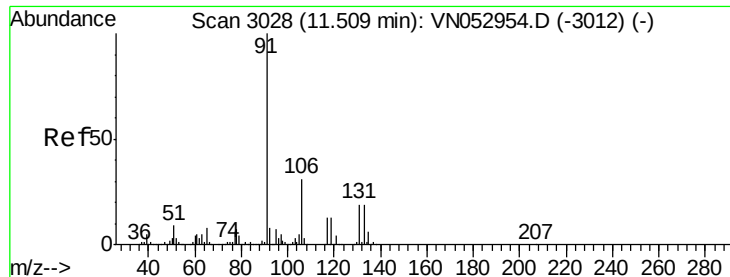
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.414 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion:131 Resp: 586072
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.9
119 66.5 33.3 99.8





#67

Ethyl Benzene

Concen: 50.725 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 2804940

Ion Ratio Lower Upper

91 100

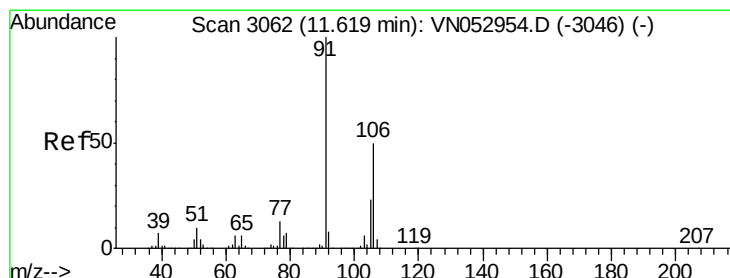
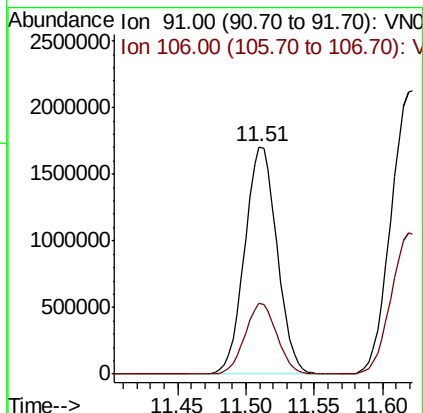
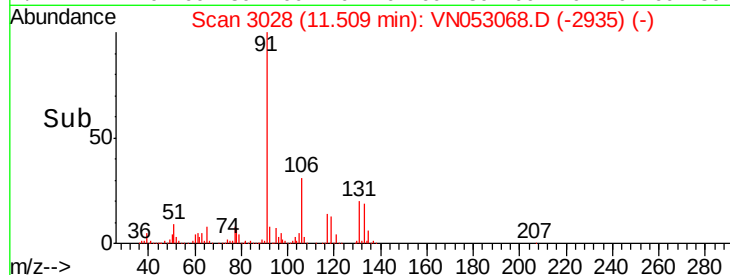
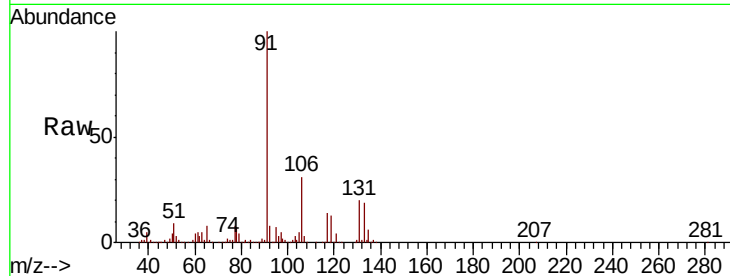
106 31.0 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 99.115 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN053068.D

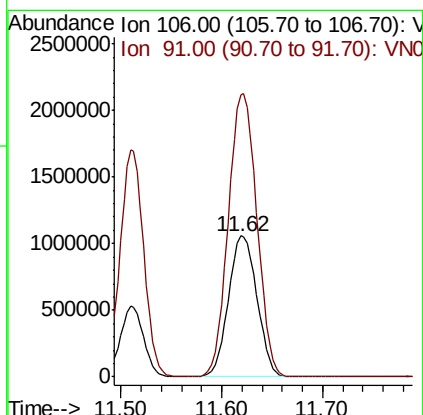
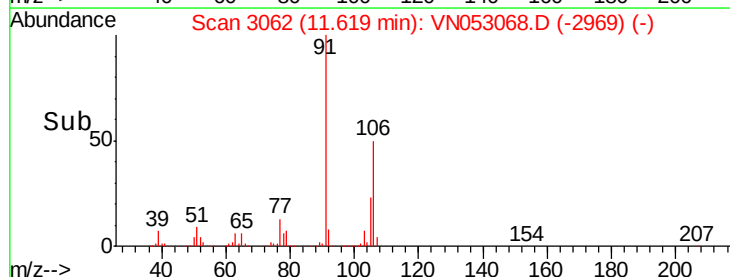
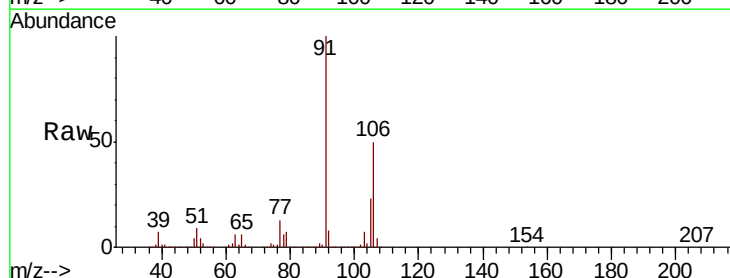
Acq: 20 Dec 2018 20:22

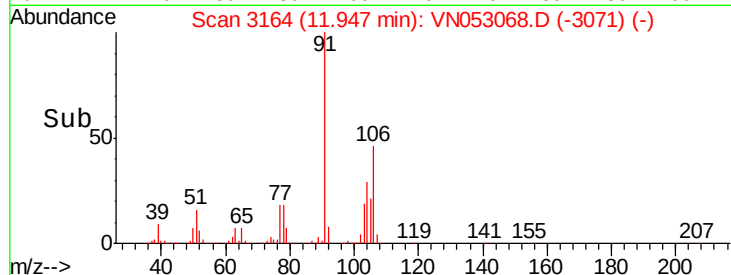
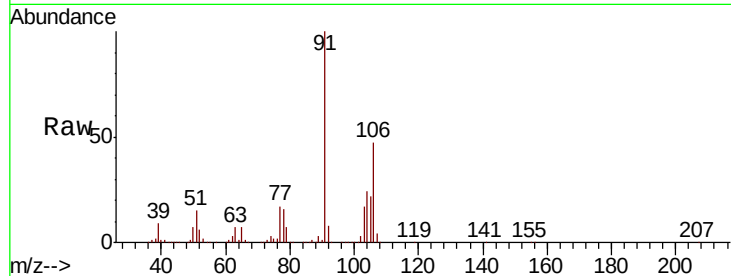
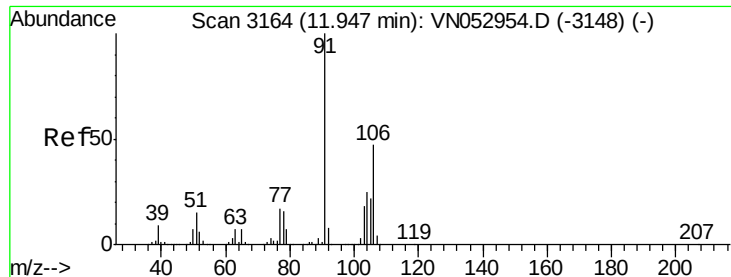
Tgt Ion: 106 Resp: 2083546

Ion Ratio Lower Upper

106 100

91 201.2 162.2 243.4





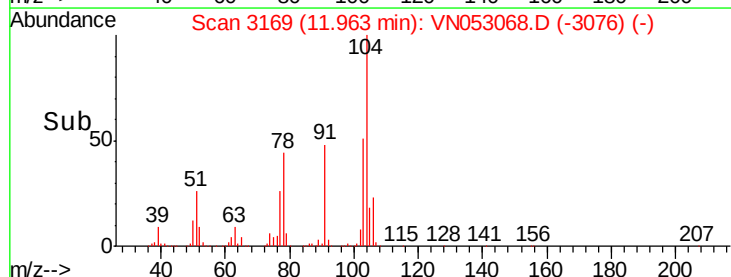
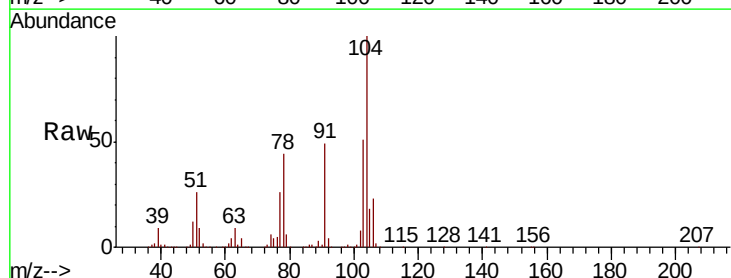
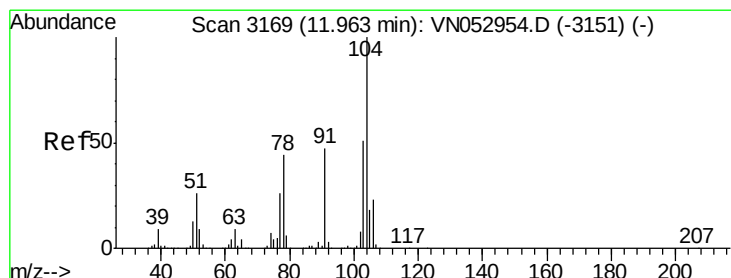
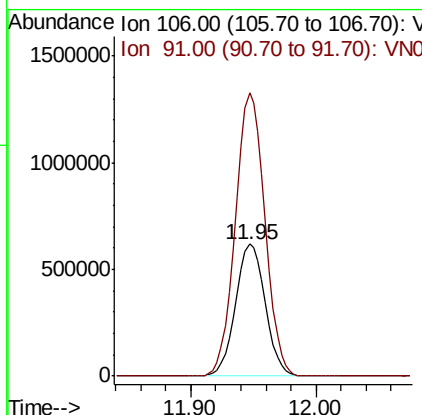
#69
o-Xylene
Concen: 50.350 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 1015650
Ion Ratio Lower Upper
106 100
91 213.5 106.6 319.8

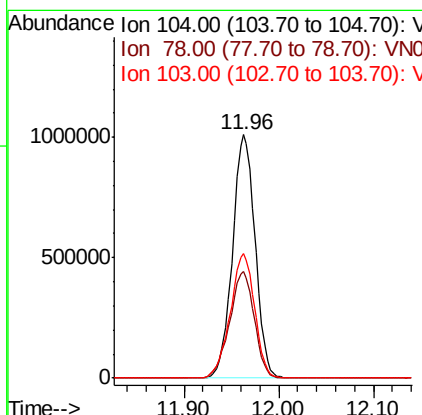
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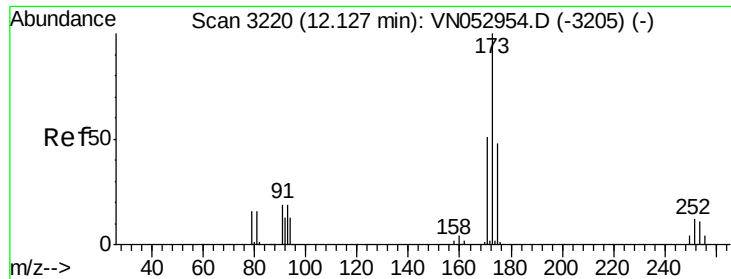
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#70
Styrene
Concen: 50.857 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion:104 Resp: 1672817
Ion Ratio Lower Upper
104 100
78 47.9 38.9 58.3
103 55.1 44.3 66.5





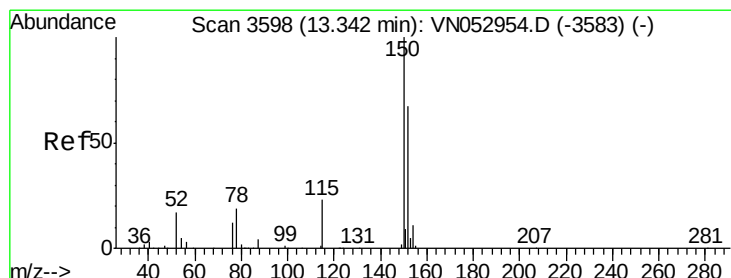
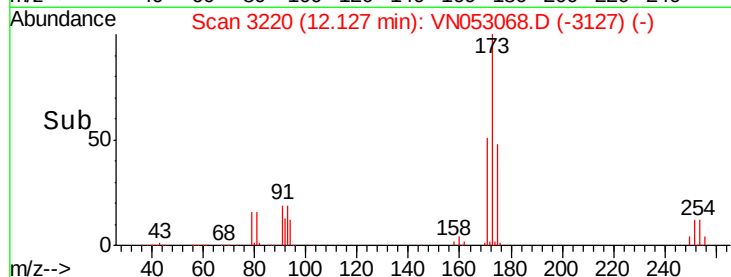
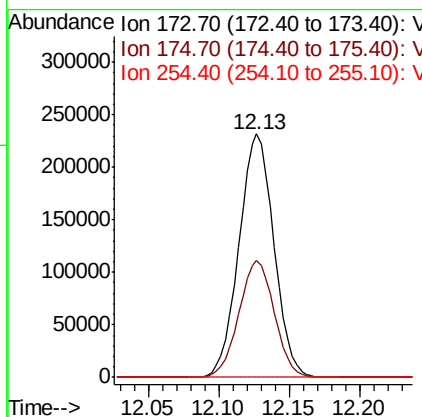
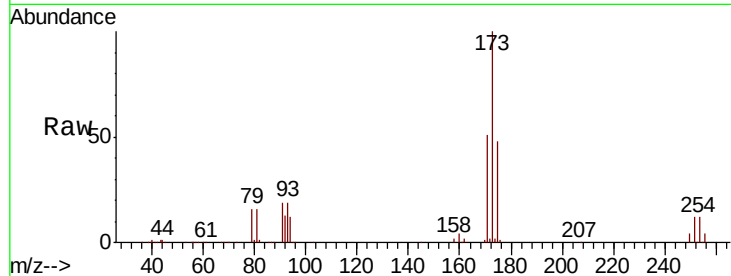
#71
Bromoform
Concen: 49.685 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.9
254	0.0	0.1	0.1#

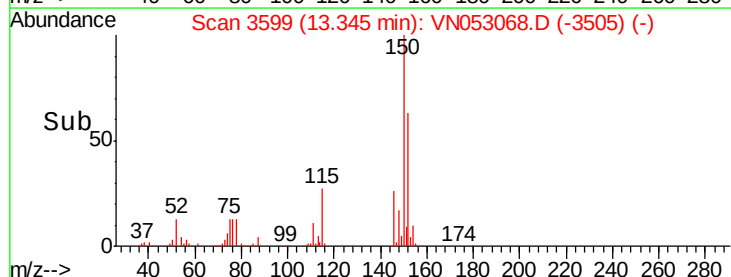
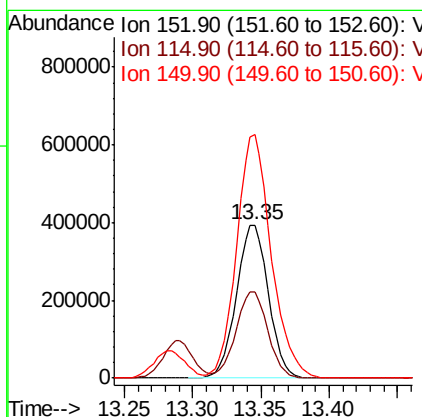
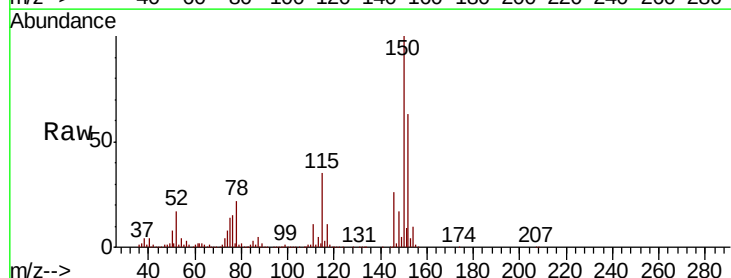
Manual Integrations
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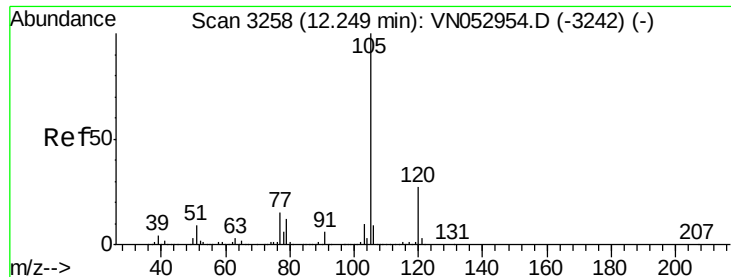
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.3	85.0
150	172.2	0.0	347.8





#73

Isopropylbenzene

Concen: 53.917 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2691434

Ion Ratio Lower Upper

105 100

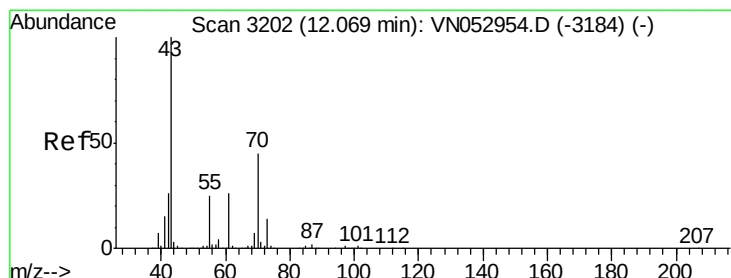
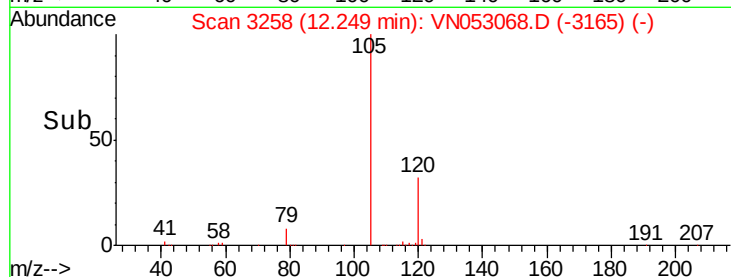
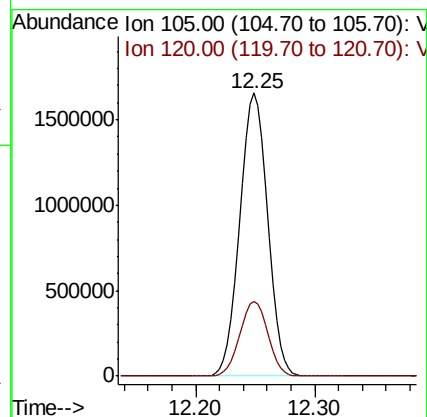
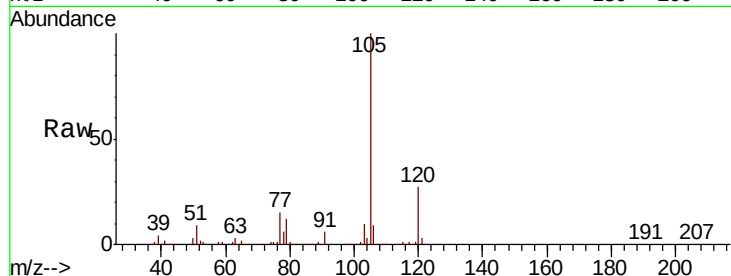
120 26.7 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 59.805 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Tgt Ion: 43 Resp: 828844

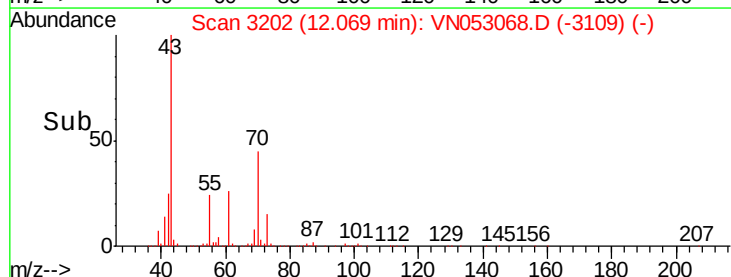
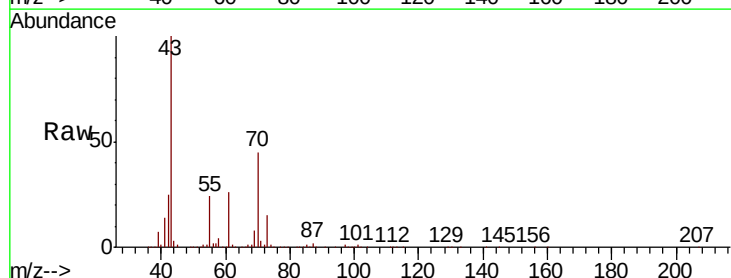
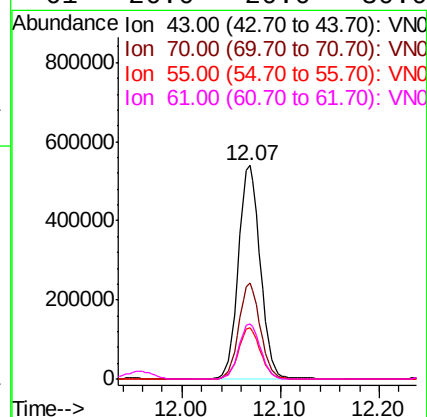
Ion Ratio Lower Upper

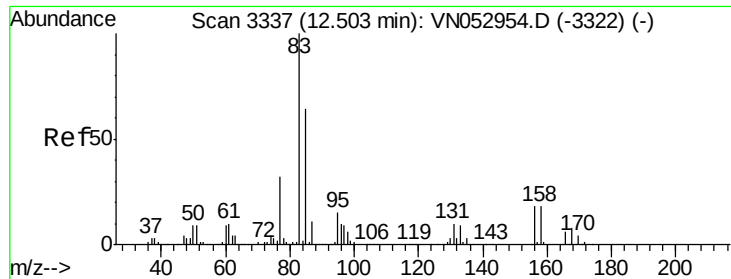
43 100

70 44.3 34.2 51.4

55 24.0 20.3 30.5

61 26.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 59.119 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

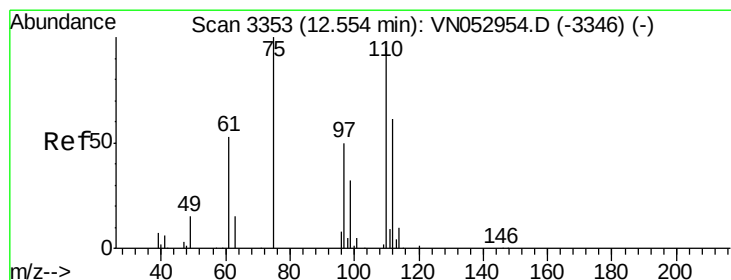
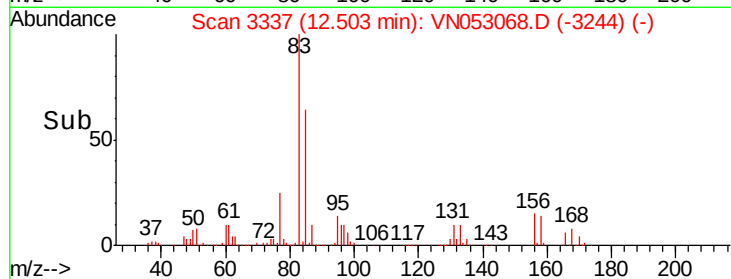
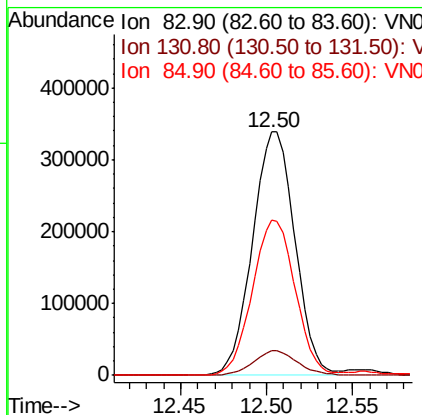
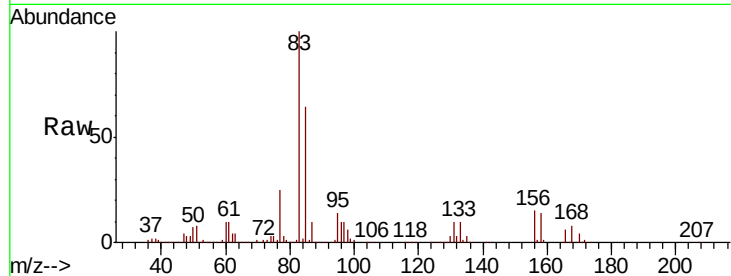
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	578964
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.1	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.093 ug/l m

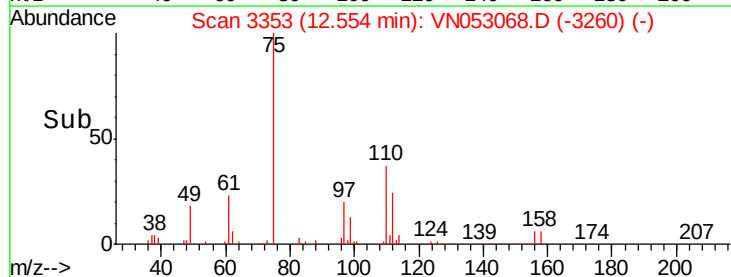
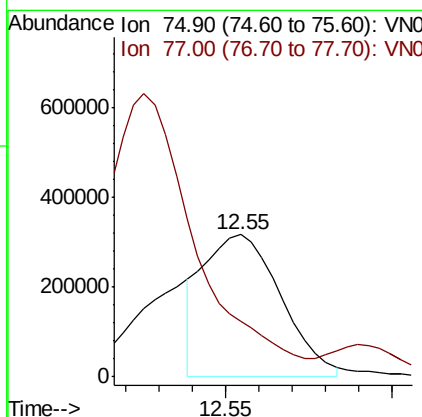
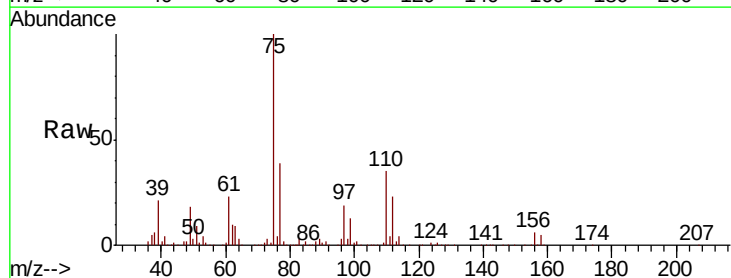
RT: 12.55 min Scan# 3353

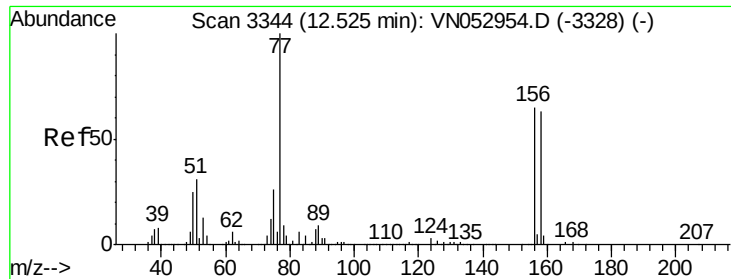
Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Tgt Ion:	75	Resp:	516527
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





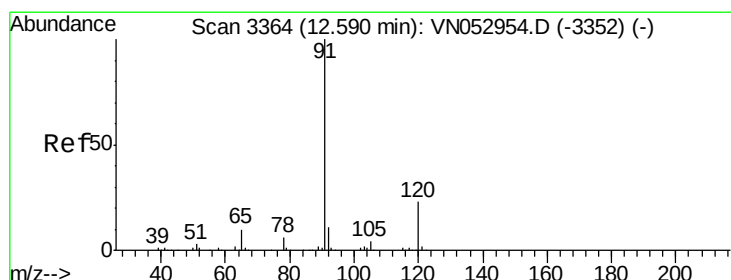
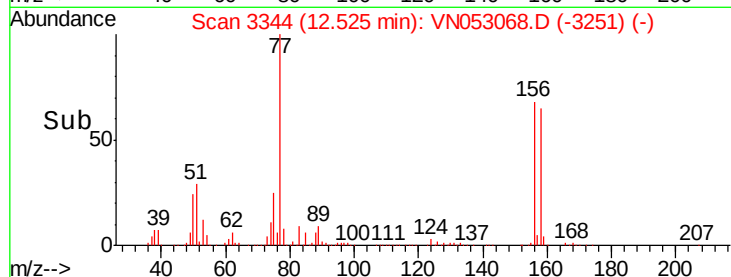
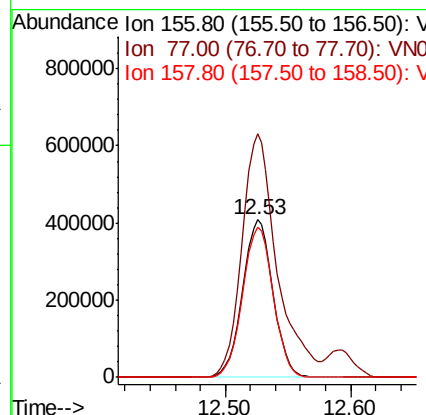
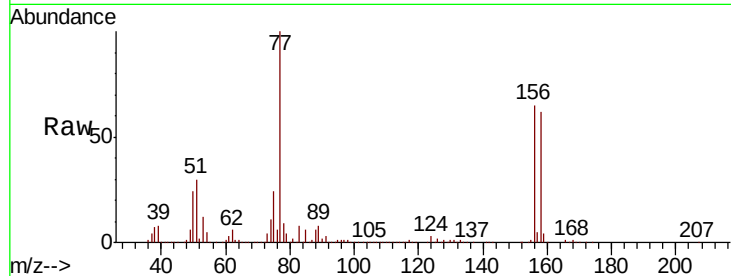
#77
Bromobenzene
Concen: 52.953 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	178.2	91.3	273.8
158	96.1	49.0	147.2

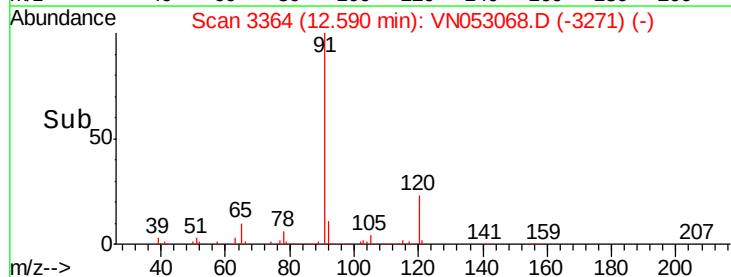
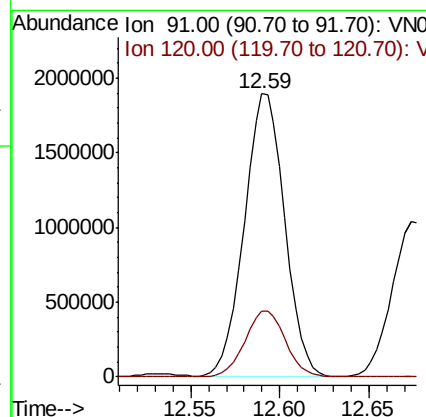
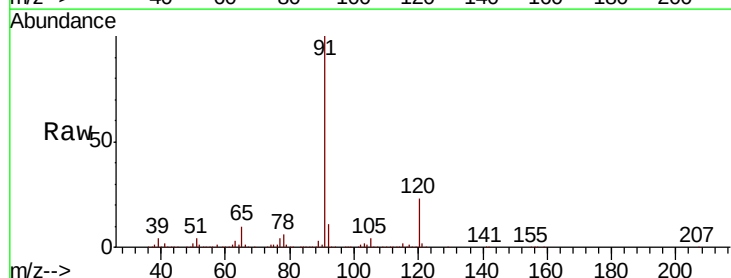
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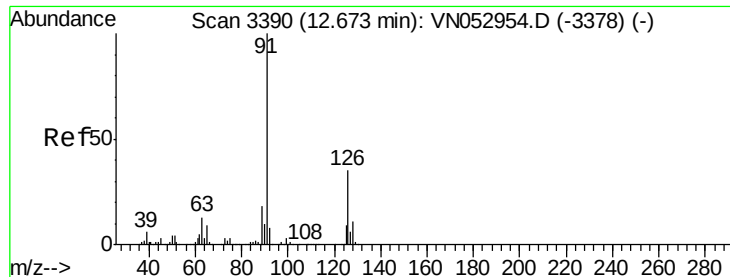
MMDadoda
12/21/2018 9:21:46 AM



#78
n-propylbenzene
Concen: 52.432 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 49.631 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1748970

Ion Ratio Lower Upper

91 100

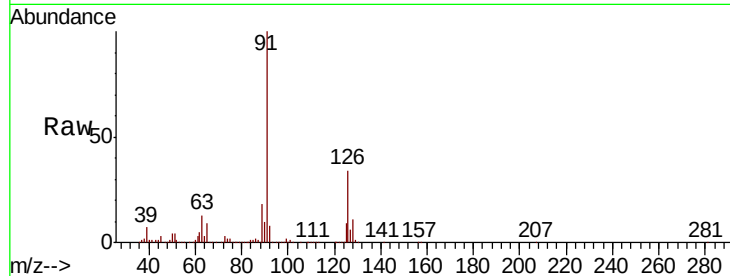
126 34.9 17.4 52.3

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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) (-)

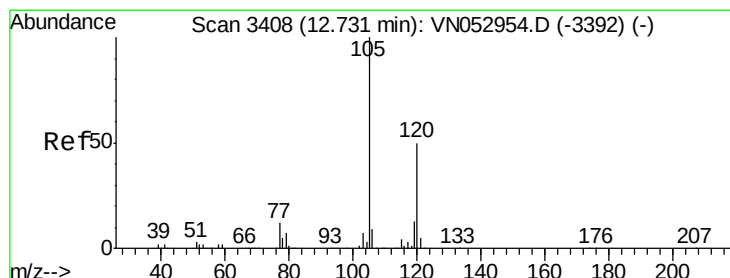
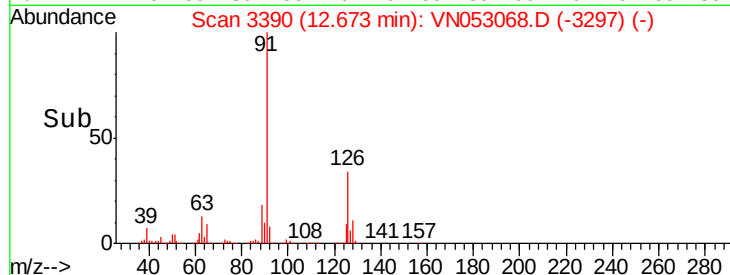
1500000

1000000

500000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 51.015 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053068.D

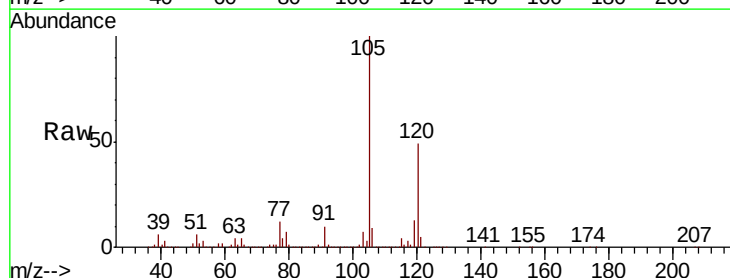
Acq: 20 Dec 2018 20:22

Tgt Ion:105 Resp: 2075688

Ion Ratio Lower Upper

105 100

120 49.2 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) (-)

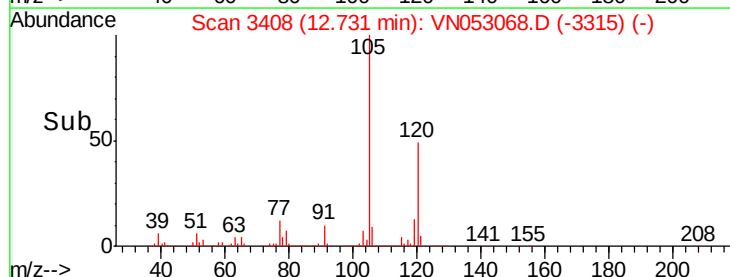
1500000

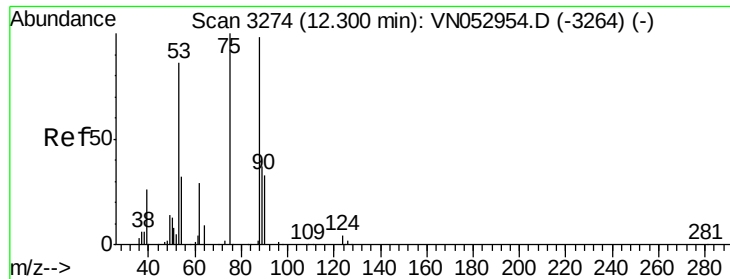
1000000

500000

0

12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 54.404 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 181287

Ion Ratio Lower Upper

75 100

53 87.9 74.7 112.1

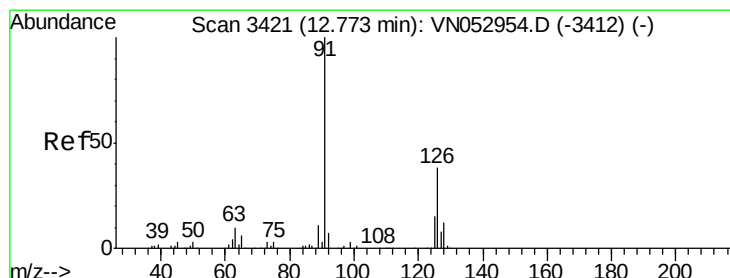
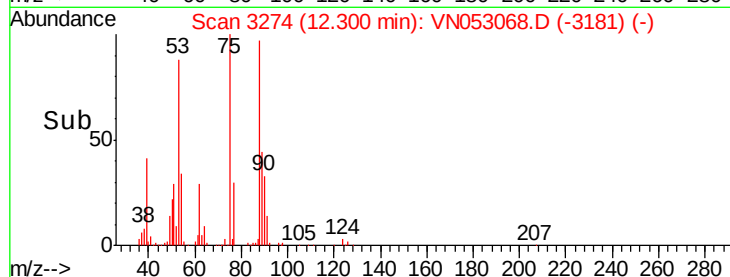
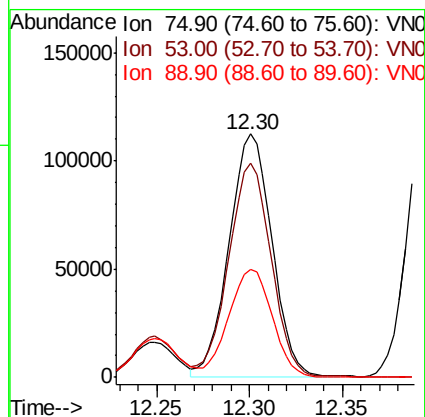
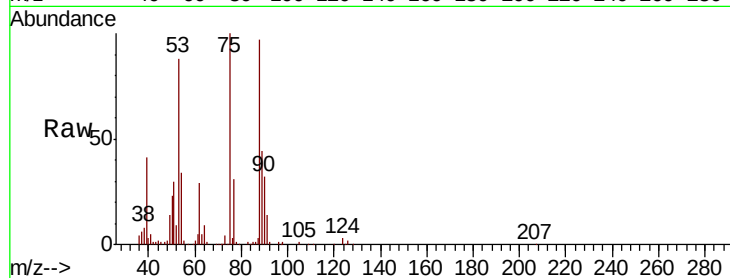
89 45.1 36.1 54.1

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#82

4-Chlorotoluene

Concen: 51.174 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053068.D

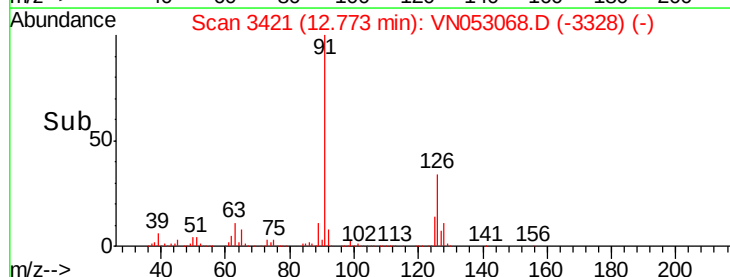
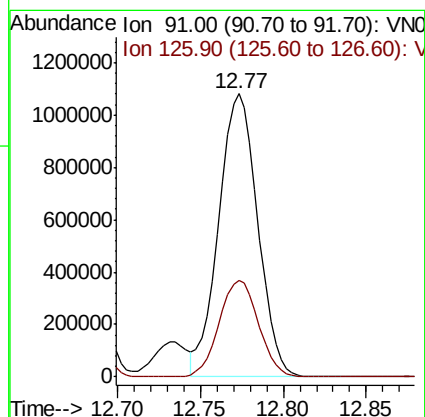
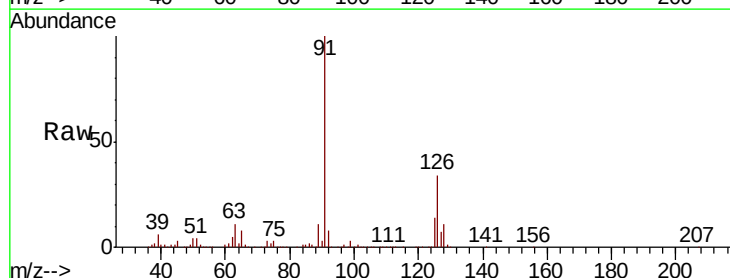
Acq: 20 Dec 2018 20:22

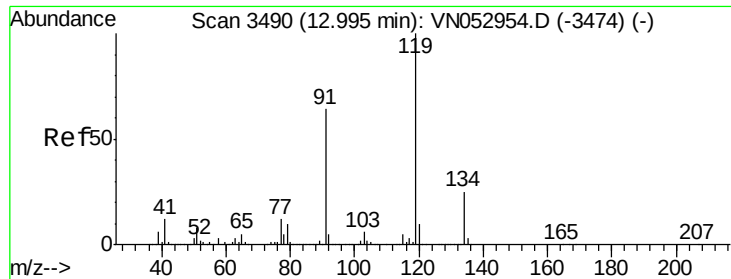
Tgt Ion: 91 Resp: 1765311

Ion Ratio Lower Upper

91 100

126 34.5 17.3 51.7





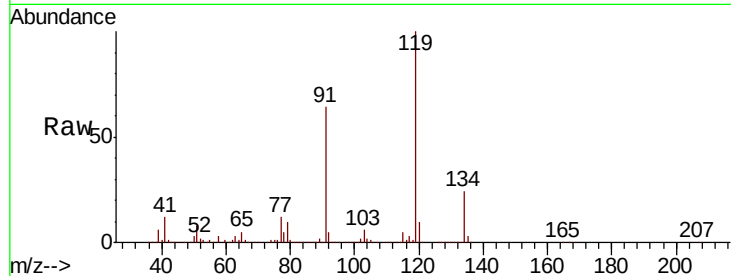
#83
 tert-Butylbenzene
 Concen: 50.690 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

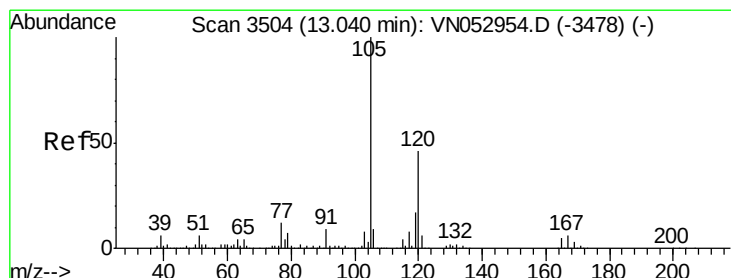
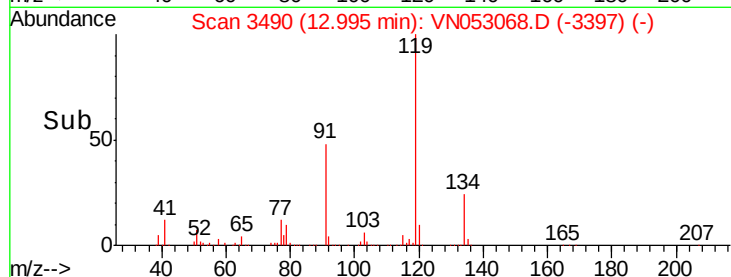
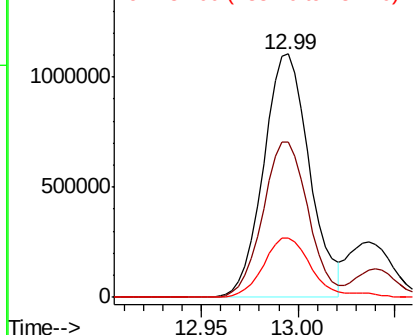
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	31.9	95.5
134	25.8	12.8	38.4

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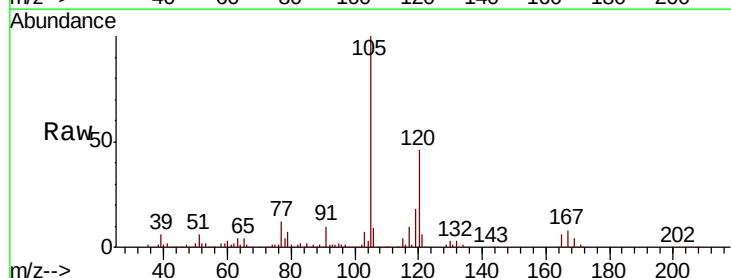


Abundance Ion 119.00 (118.70 to 119.70): V
 1500000
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

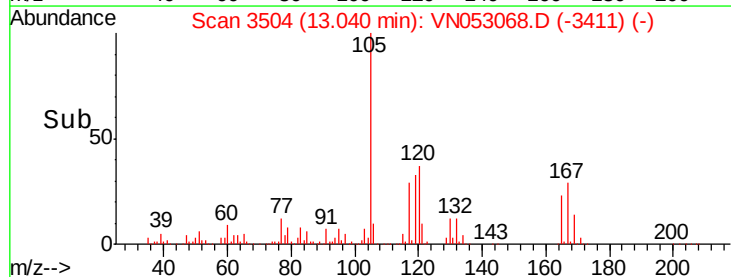
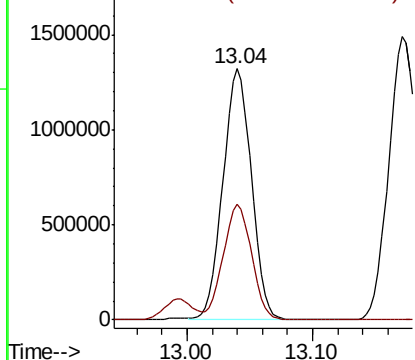


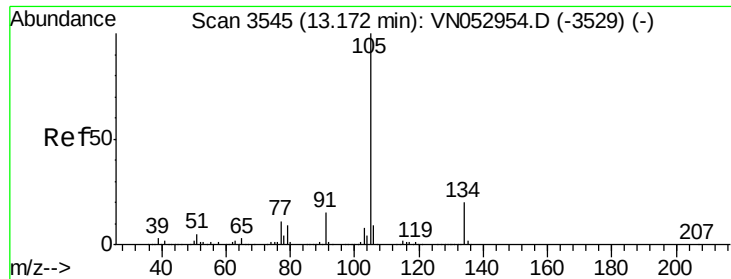
#84
 1,2,4-Trimethylbenzene
 Concen: 50.724 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.9	68.8



Abundance Ion 105.00 (104.70 to 105.70): V
 1500000
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.440 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2406364

Ion Ratio Lower Upper

105 100

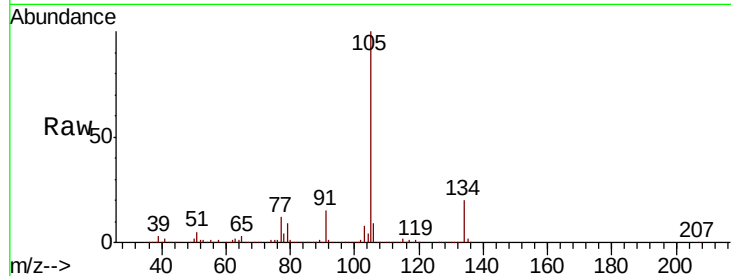
134 20.4 10.1 30.3

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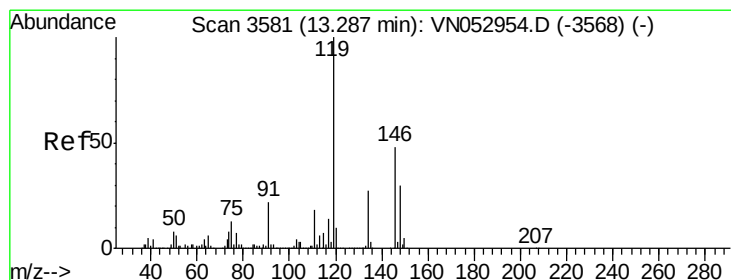
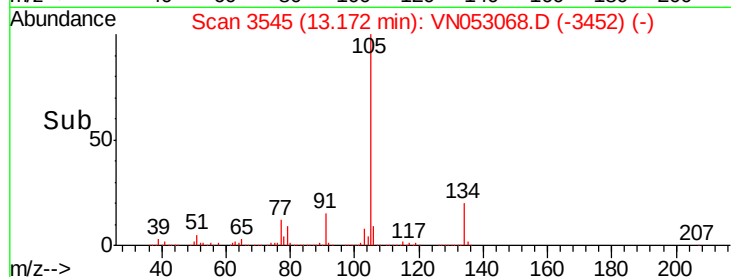
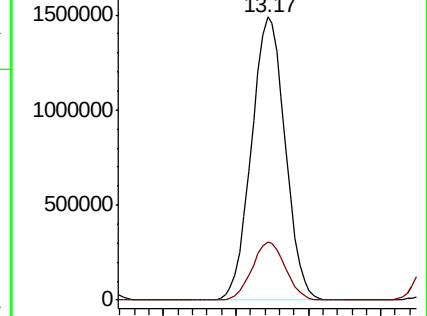
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.125 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

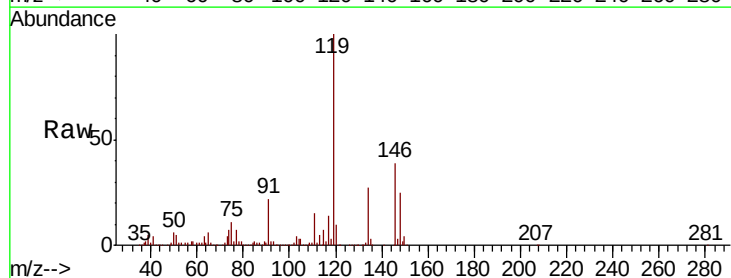
Tgt Ion:119 Resp: 2066046

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

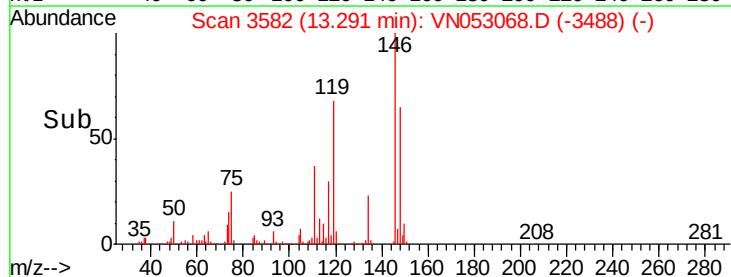
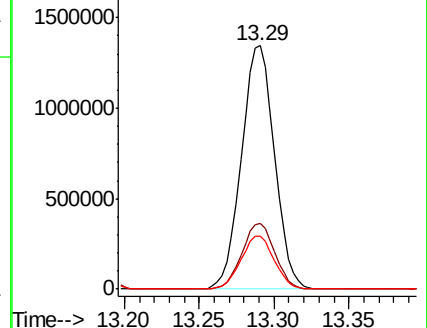
91 21.9 11.1 33.3

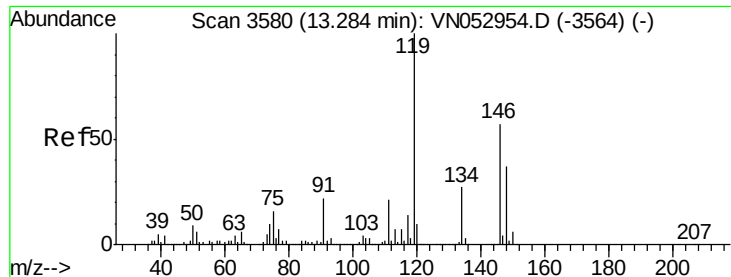


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.943 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 1124022

Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.1

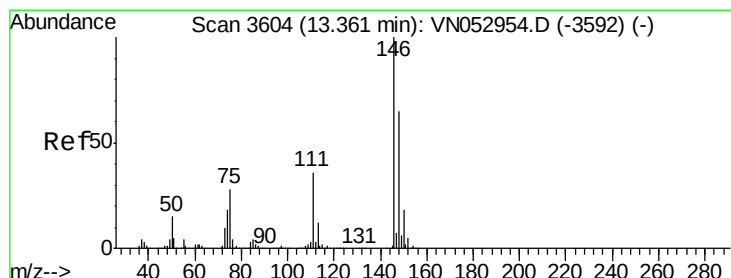
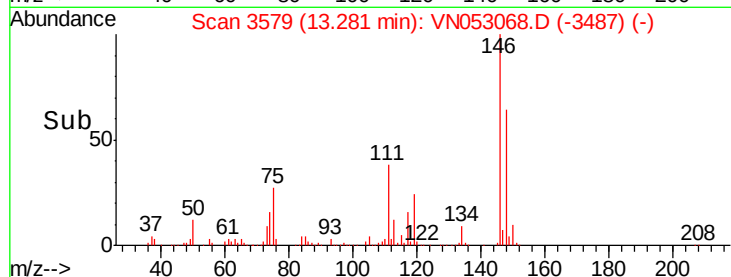
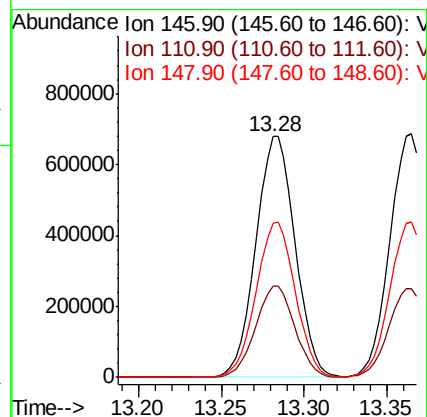
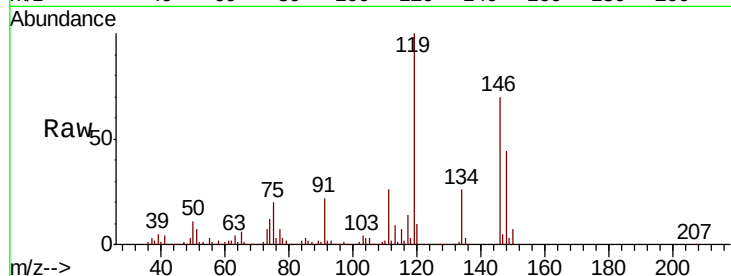
148 64.2 32.0 96.0

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#88

1,4-Dichlorobenzene

Concen: 47.922 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

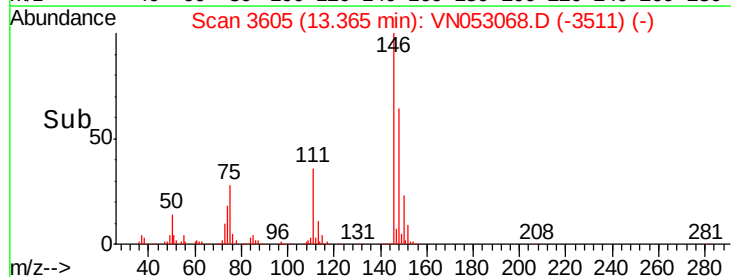
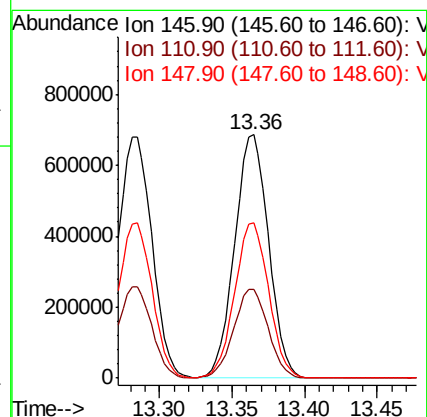
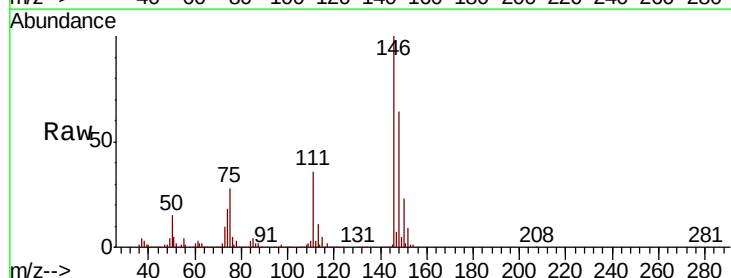
Tgt Ion:146 Resp: 1114532

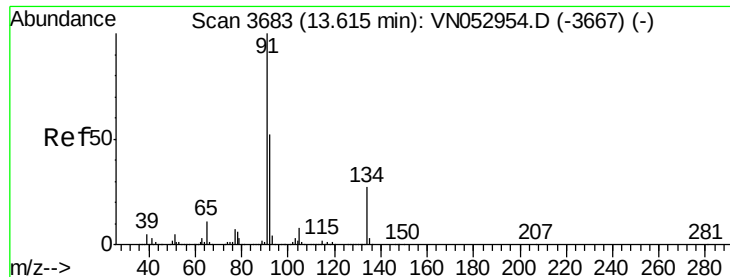
Ion Ratio Lower Upper

146 100

111 37.0 18.6 55.8

148 63.8 32.1 96.5





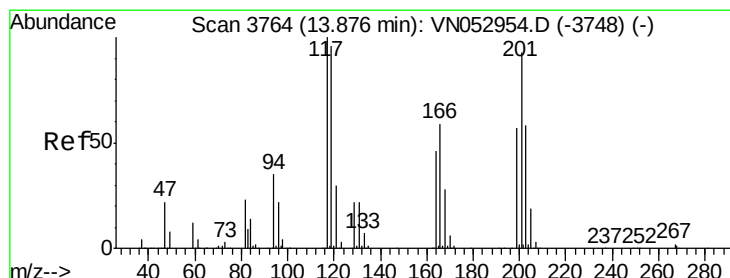
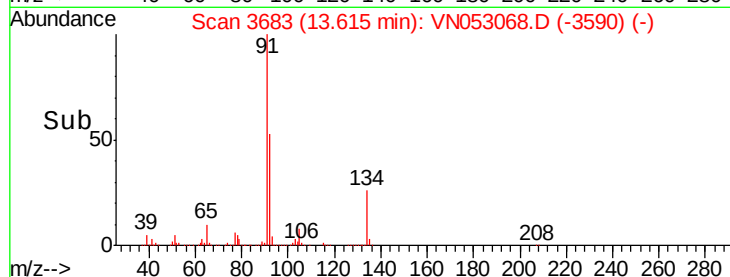
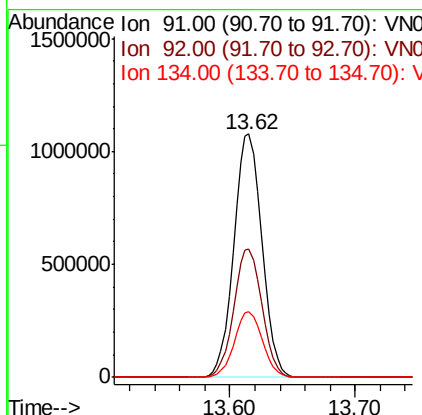
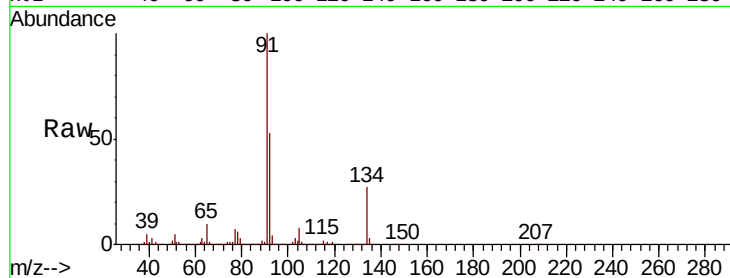
#89
n-Butylbenzene
Concen: 46.299 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.9
134	27.0	13.3	39.8

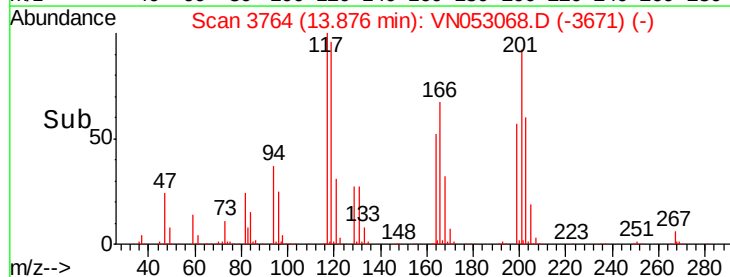
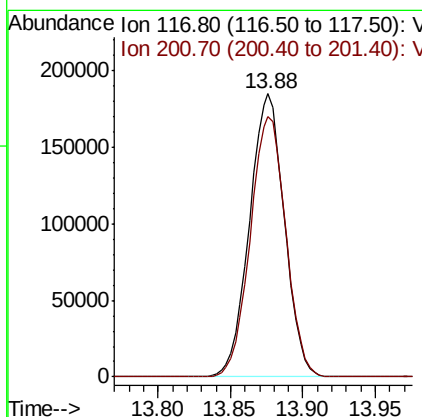
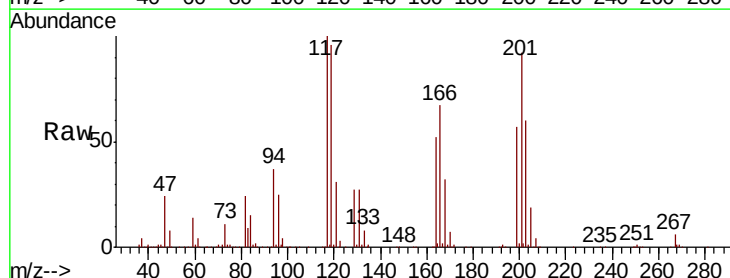
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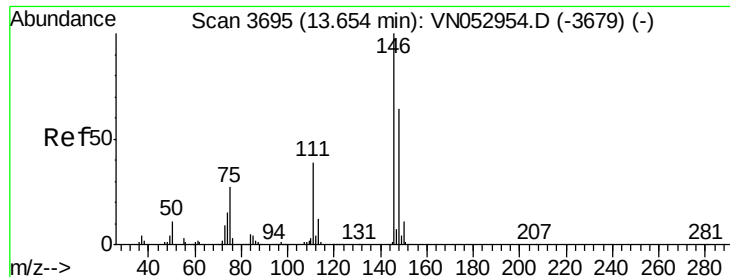
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#90
Hexachloroethane
Concen: 48.124 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053068.D
Acq: 20 Dec 2018 20:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.4	45.7	137.1





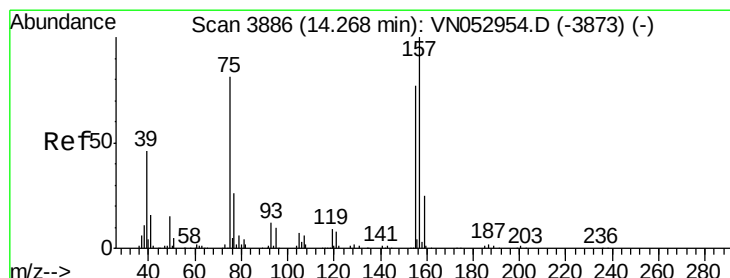
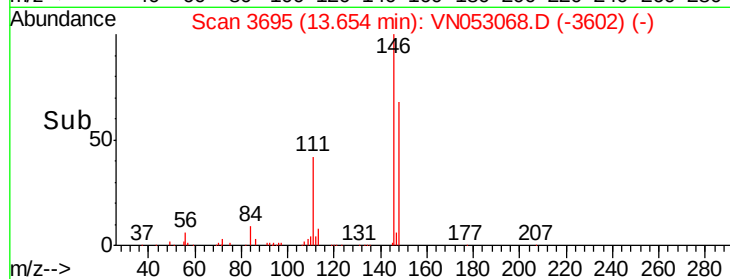
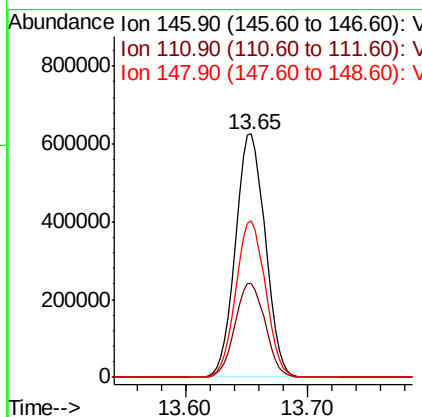
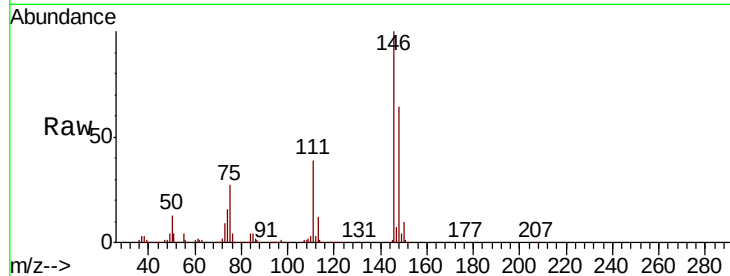
#91
 1,2-Dichlorobenzene
 Concen: 48.855 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.3	32.0	96.0

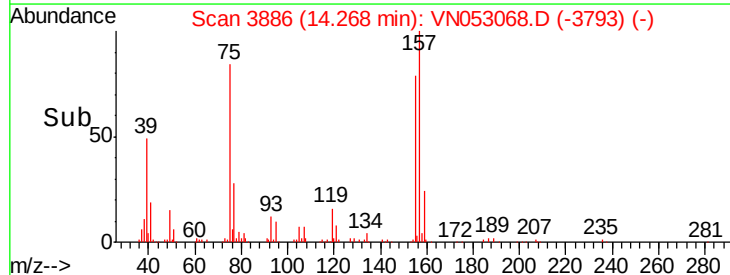
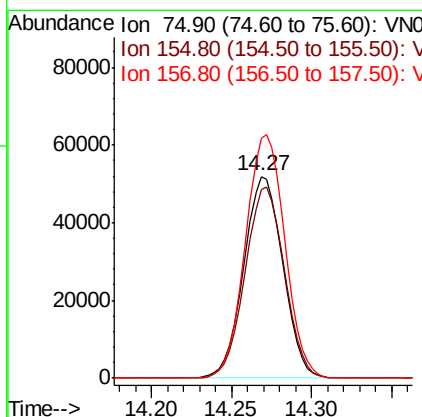
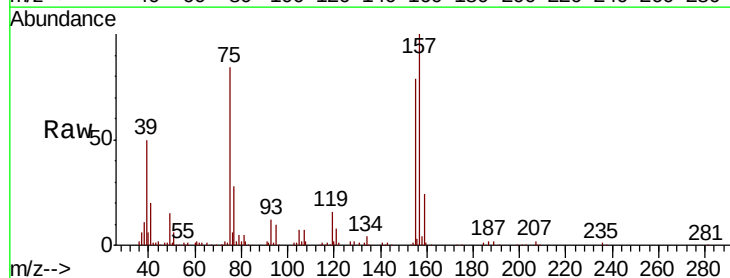
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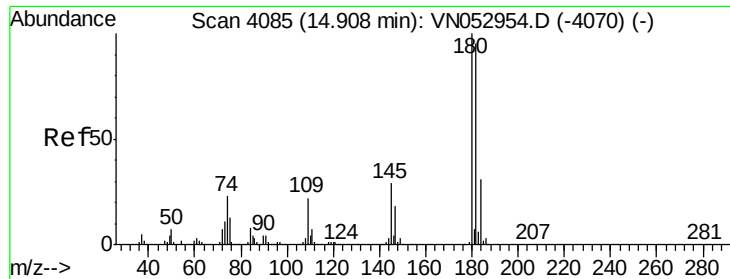
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.026 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	48.2	144.6
157	121.8	61.2	183.5





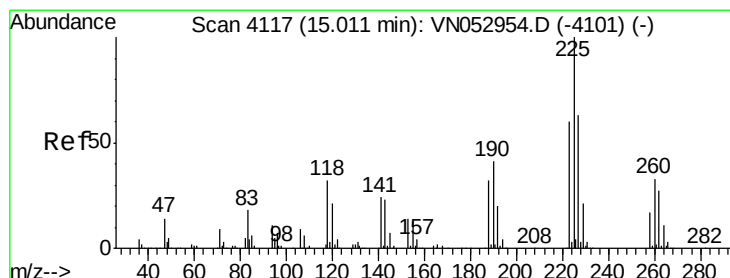
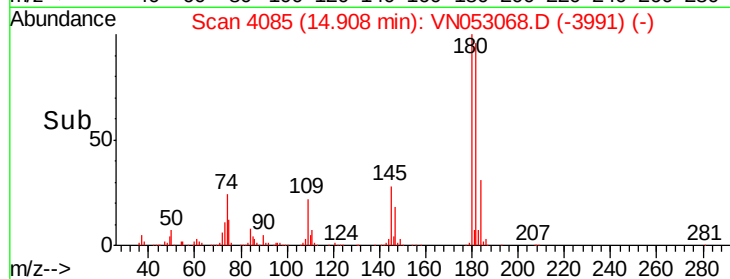
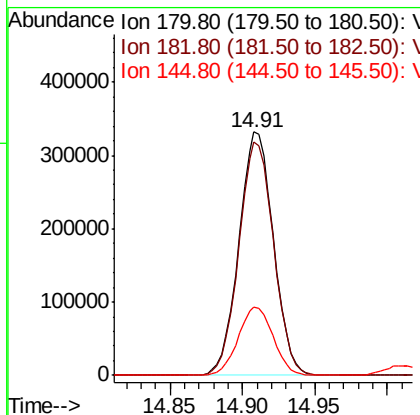
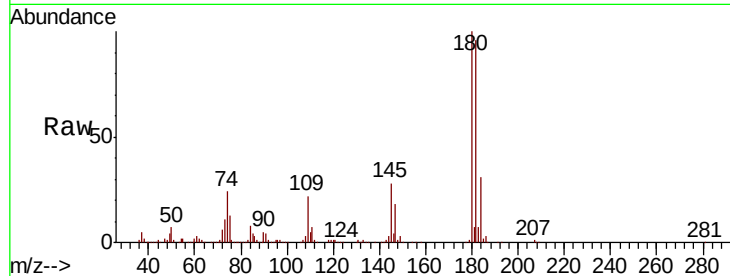
#93
 1,2,4-Trichlorobenzene
 Concen: 47.942 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.8	143.3
145	28.5	14.2	42.6

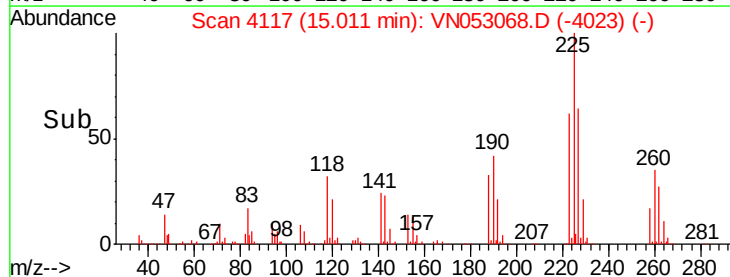
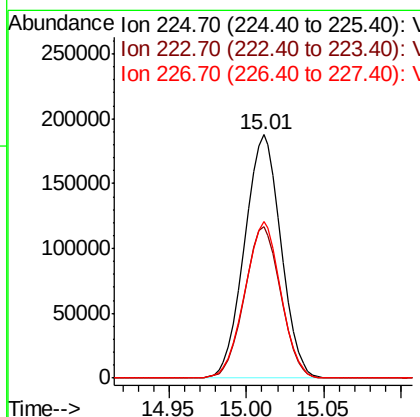
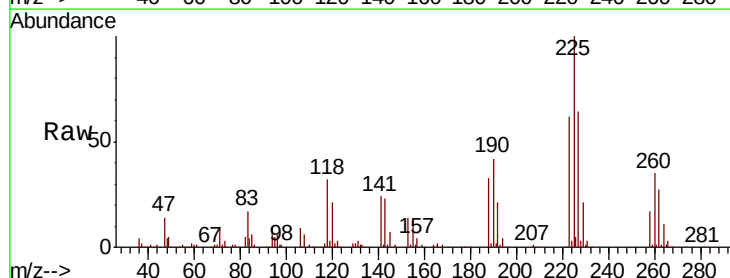
Manual Integrations
 APPROVED

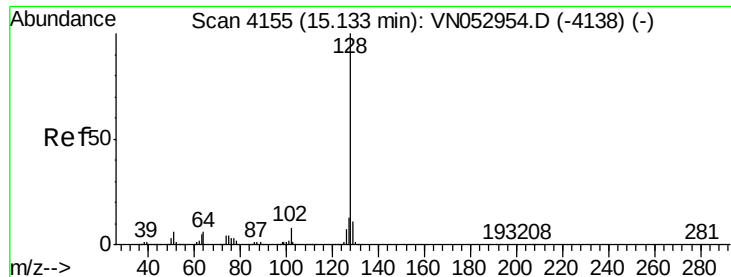
MMDadoda
 12/21/2018 9:21:46 AM



#94
 Hexachlorobutadiene
 Concen: 52.014 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053068.D
 Acq: 20 Dec 2018 20:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.5	94.5
227	63.5	31.9	95.7





#95

Naphthalene

Concen: 49.357 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1237733

Ion Ratio Lower Upper

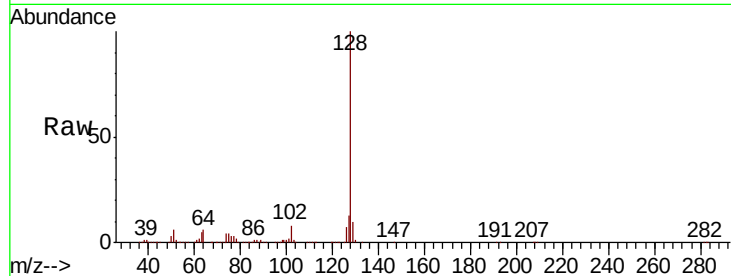
128 100

127 12.6 10.2 15.4

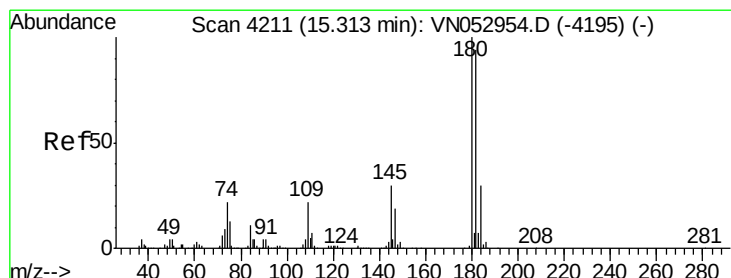
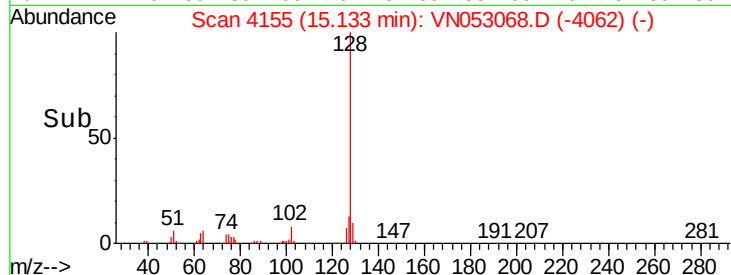
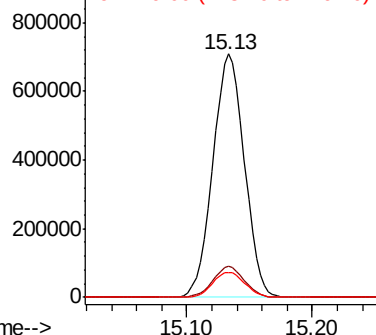
129 10.6 8.6 13.0

Manual Integrations
APPROVED

MMDadoda
12/21/2018 9:21:46 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.739 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053068.D

Acq: 20 Dec 2018 20:22

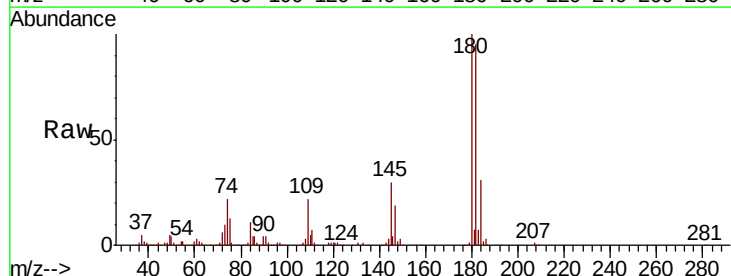
Tgt Ion:180 Resp: 502457

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.7

145 30.1 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

