

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082918\
 Data File : VN050934.D
 Acq On : 29 Aug 2018 8:06
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/30/2018 11:07:22 AM

Quant Time: Aug 29 14:38:53 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	638712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	882553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	805460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	422916	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	364610	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
35) Dibromofluoromethane	7.59	113	352673	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.09	98	1335018	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.40	95	451108	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	413665	48.395	ug/l	99
3) Chloromethane	2.06	50	457901	43.432	ug/l	99
4) Vinyl Chloride	2.18	62	454696	45.529	ug/l	99
5) Bromomethane	2.56	94	264159	46.466	ug/l	97
6) Chloroethane	2.70	64	262984	45.575	ug/l	99
7) Trichlorofluoromethane	3.01	101	612663	47.907	ug/l	100
8) Diethyl Ether	3.41	74	207969	47.825	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	388952	48.681	ug/l	100
10) Methyl Iodide	3.95	142	337391	48.357	ug/l	99
11) Tert butyl alcohol	4.79	59	119996	245.072	ug/l	99
12) 1,1-Dichloroethene	3.73	96	335878	46.821	ug/l	98
13) Acrolein	3.61	56	60079	212.983	ug/l	99
14) Allyl chloride	4.32	41	530373	47.447	ug/l	99
15) Acrylonitrile	4.99	53	620265	249.265	ug/l	99
16) Acetone	3.82	43	493196	271.471	ug/l	100
17) Carbon Disulfide	4.05	76	1012848	42.117	ug/l	99
18) Methyl Acetate	4.33	43	381438	52.535	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	914815	50.698	ug/l	98
20) Methylene Chloride	4.55	84	387410	44.704	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	362726	46.749	ug/l	98
22) Diisopropyl ether	5.95	45	1128828	50.672	ug/l	99
23) Vinyl Acetate	5.90	43	3506574	244.422	ug/l	100
24) 1,1-Dichloroethane	5.85	63	665692	46.545	ug/l	99
25) 2-Butanone	6.84	43	717768	231.635	ug/l	100
26) 2,2-Dichloropropane	6.82	77	548543	47.733	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	406277	48.569	ug/l	99
28) Bromochloromethane	7.19	49	301399	49.595	ug/l	98
29) Tetrahydrofuran	7.21	42	450645	253.653	ug/l	99
30) Chloroform	7.37	83	677820	47.861	ug/l	99
31) Cyclohexane	7.65	56	600568	46.241	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	573575	47.151	ug/l	100
36) 1,1-Dichloropropene	7.79	75	521021	50.028	ug/l	99
37) Ethyl Acetate	6.93	43	301422	50.384	ug/l	99
38) Carbon Tetrachloride	7.77	117	517968	49.203	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	586994	52.098	ug/l	99
40) Benzene	8.04	78	1562262	49.746	ug/l	100
41) Methacrylonitrile	7.17	41	161925	50.014	ug/l	98
42) 1,2-Dichloroethane	8.12	62	463653	49.381	ug/l	100
43) Isopropyl Acetate	8.17	43	537848	52.289	ug/l	99
44) Trichloroethene	8.83	130	407999	49.260	ug/l	100
45) 1,2-Dichloropropane	9.12	63	407482	49.369	ug/l	99
46) Dibromomethane	9.21	93	240760	49.644	ug/l	99
47) Bromodichloromethane	9.40	83	516116	50.810	ug/l	98
48) Methyl methacrylate	9.20	41	272723	52.025	ug/l	99
49) 1,4-Dioxane	9.20	88	76410	1069.231	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1543829	251.511	ug/l	100
52) Toluene	10.16	92	971147	52.201	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	515690	51.005	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	603850	52.156	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	346222	50.141	ug/l	99
56) Ethyl methacrylate	10.43	69	427038	47.657	ug/l	99
57) 1,3-Dichloropropane	10.71	76	577804	50.697	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	910126	233.074	ug/l	99
59) 2-Hexanone	10.75	43	1048480	256.581	ug/l	99
60) Dibromochloromethane	10.90	129	400759	51.837	ug/l	100
61) 1,2-Dibromoethane	11.01	107	341856	51.200	ug/l	100
64) Tetrachloroethene	10.63	164	371157	48.515	ug/l	99
65) Chlorobenzene	11.43	112	1055150	50.119	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	392413	50.943	ug/l	99
67) Ethyl Benzene	11.51	91	1806471	52.780	ug/l	99
68) m/p-Xylenes	11.62	106	1406625	108.273	ug/l	100
69) o-Xylene	11.95	106	674265	53.985	ug/l	99
70) Styrene	11.96	104	1085427	49.331	ug/l	100
71) Bromoform	12.13	173	278323	52.541	ug/l	100
73) Isopropylbenzene	12.25	105	1793448	51.214	ug/l	100
74) N-amyl acetate	12.07	43	440500	50.063	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	433315	51.965	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	323573m	43.683	ug/l	
77) Bromobenzene	12.53	156	456043	47.917	ug/l	98
78) n-propylbenzene	12.59	91	2057282	52.589	ug/l	100
79) 2-Chlorotoluene	12.67	91	1205745	49.482	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1476897	52.268	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	112544	51.363	ug/l	98
82) 4-Chlorotoluene	12.77	91	1225237	50.933	ug/l	100
83) tert-Butylbenzene	12.99	119	1263509	51.632	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1505374	52.963	ug/l	100
85) sec-Butylbenzene	13.17	105	1694555	52.845	ug/l	100
86) p-Isopropyltoluene	13.29	119	1499605	54.884	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	798663	49.450	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	778650	48.986	ug/l	99
89) n-Butylbenzene	13.62	91	1195025	54.685	ug/l	100
90) Hexachloroethane	13.88	117	273270	52.468	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	764885	49.088	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59874	47.608	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	362896	45.197	ug/l	99
94) Hexachlorobutadiene	15.01	225	245299	53.178	ug/l	99
95) Naphthalene	15.14	128	688468	41.744	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	358160	47.324	ug/l	99

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

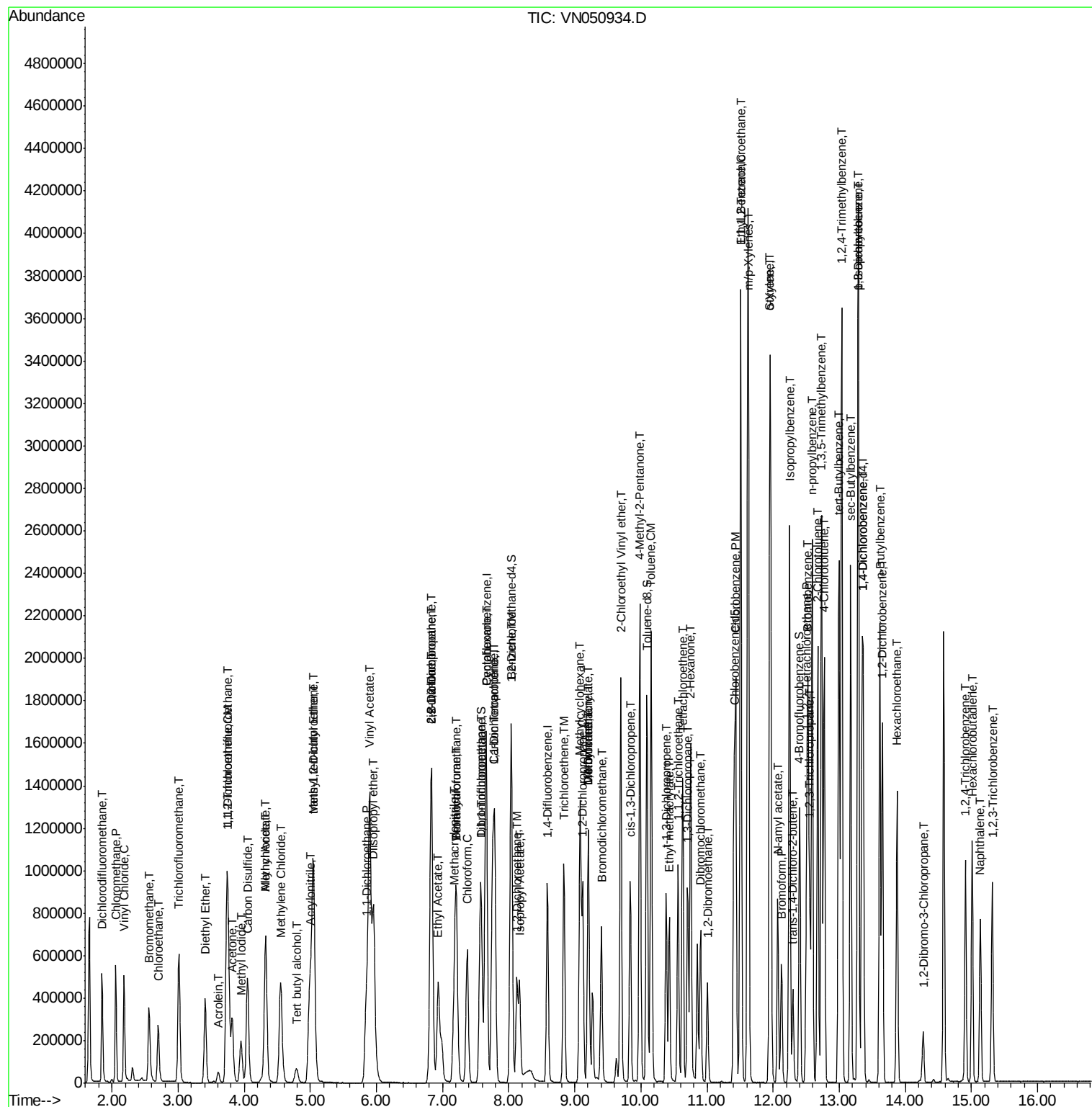
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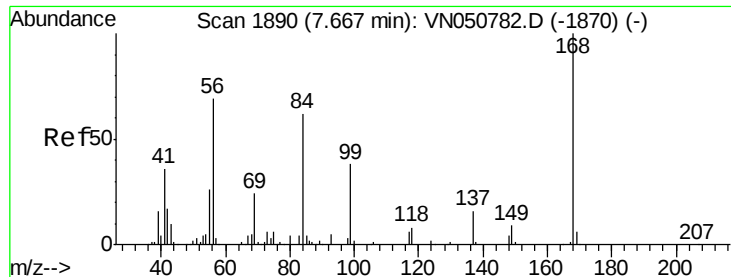
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 638712

Ion Ratio Lower Upper

168 100

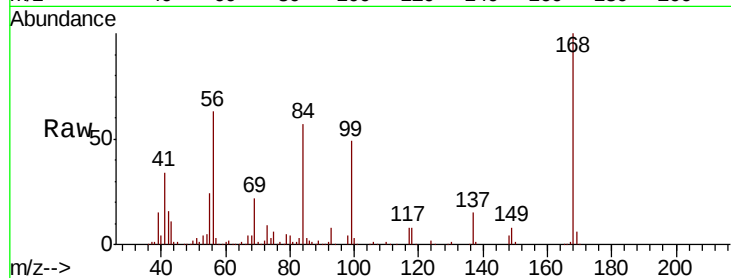
99 48.6 39.6 59.4

Manual Integrations

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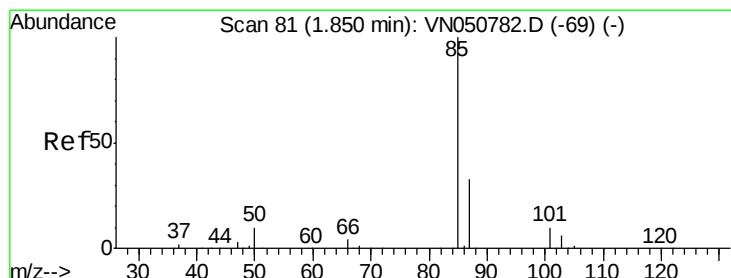
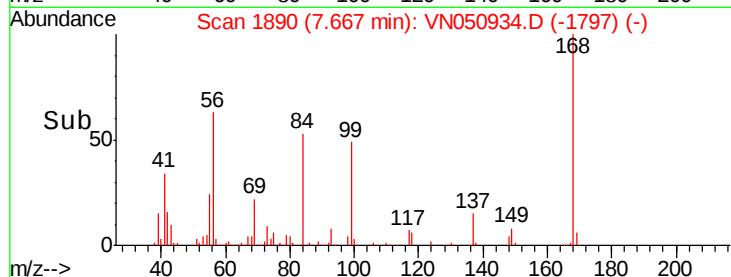
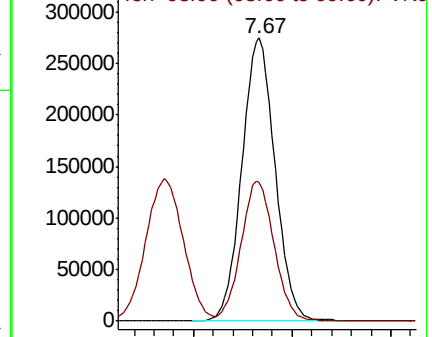
MMDadoda

8/30/2018 11:07:22 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.395 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050934.D

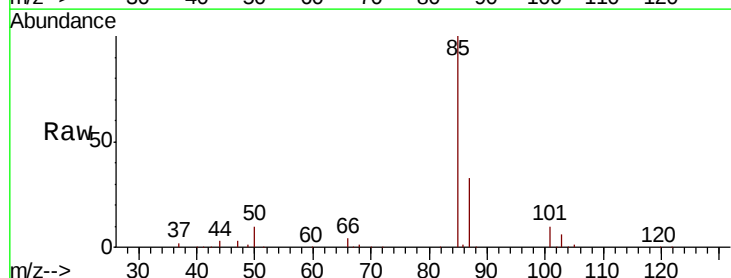
Acq: 29 Aug 2018 8:06

Tgt Ion: 85 Resp: 413665

Ion Ratio Lower Upper

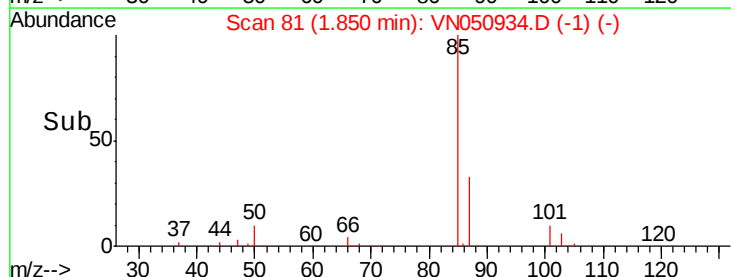
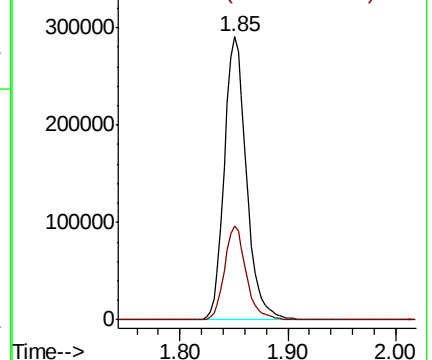
85 100

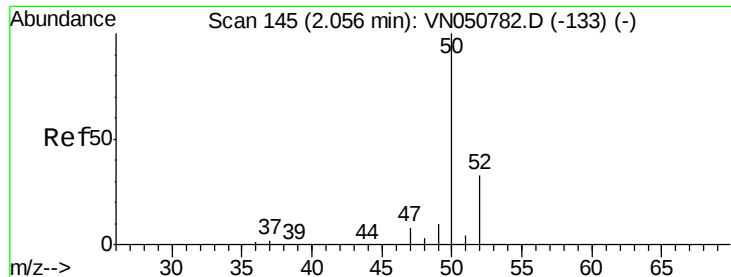
87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.432 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 457901

Ion Ratio Lower Upper

50 100

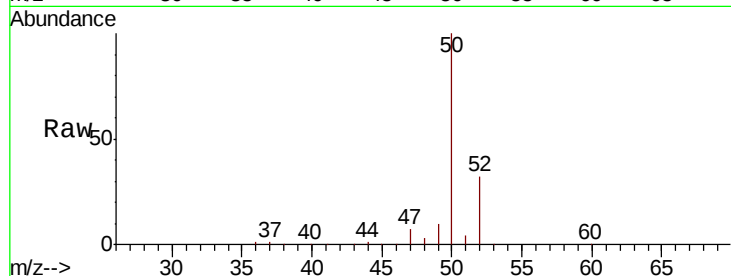
52 32.5 26.3 39.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

300000

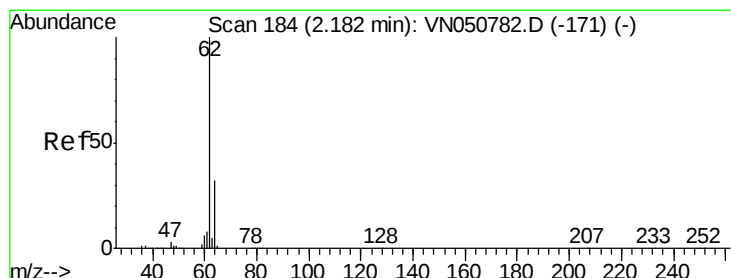
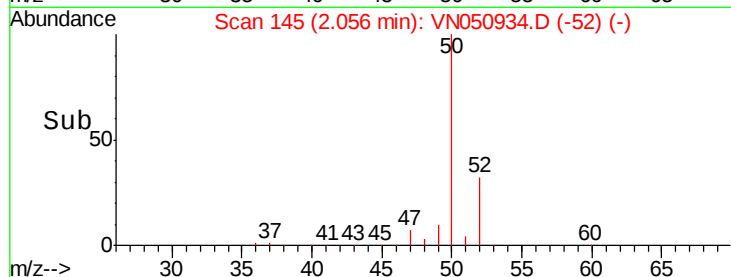
200000

100000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 45.529 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050934.D

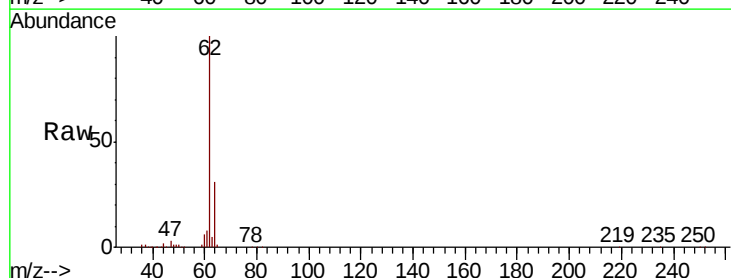
Acq: 29 Aug 2018 8:06

Tgt Ion: 62 Resp: 454696

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

300000

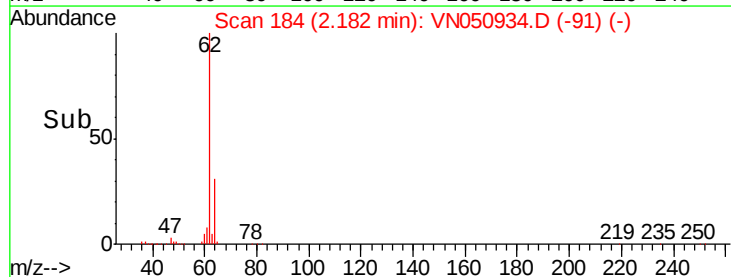
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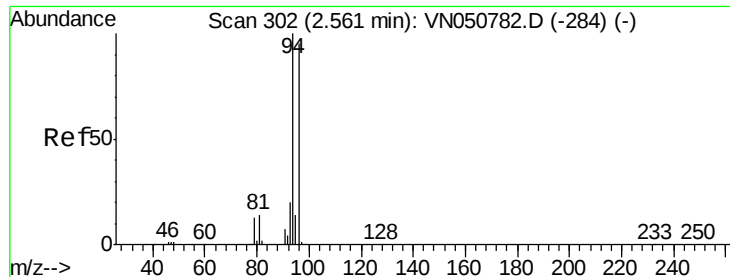
100000

0

Time-->

2.10 2.15 2.20 2.25 2.30





#5

Bromomethane

Concen: 46.466 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 264159

Ion Ratio Lower Upper

94 100

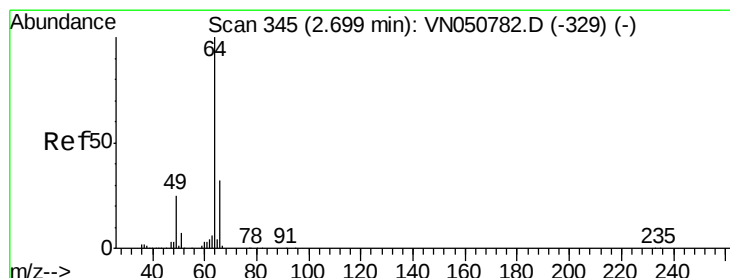
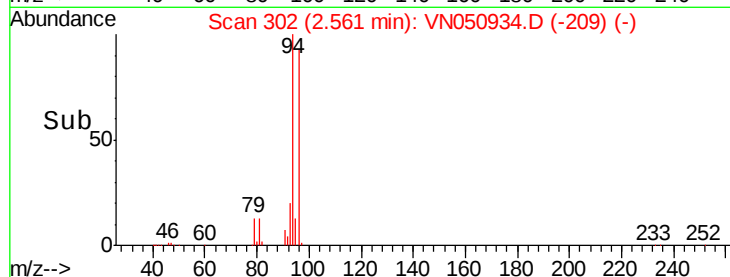
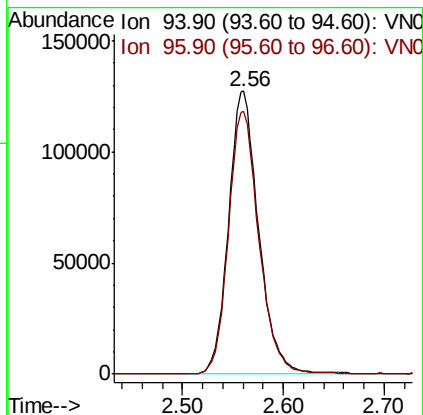
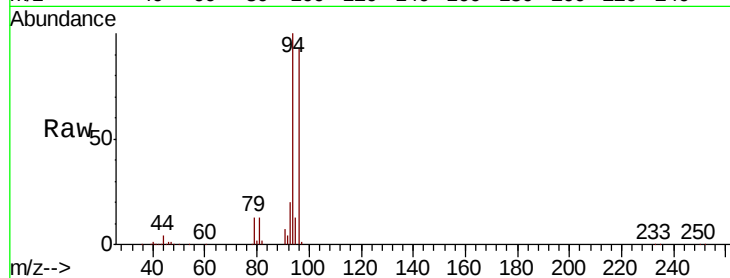
96 92.7 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 45.575 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050934.D

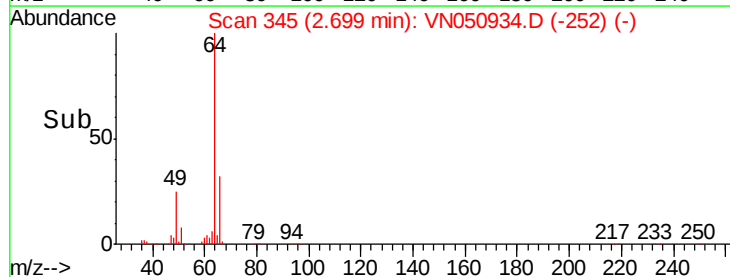
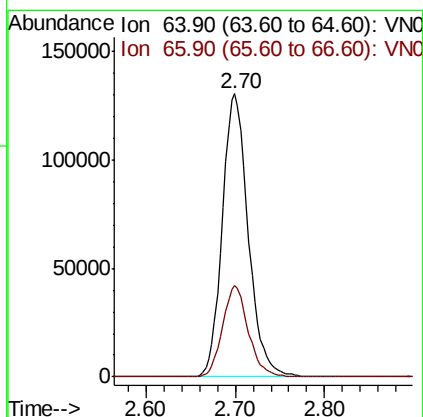
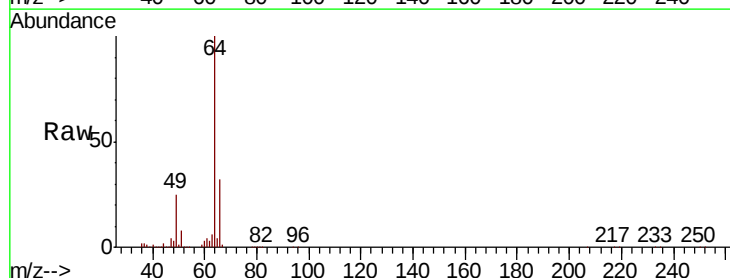
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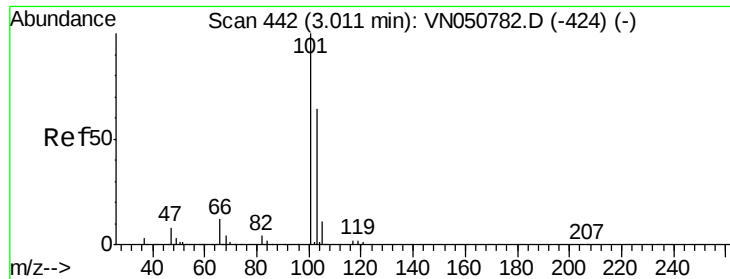
Tgt Ion: 64 Resp: 262984

Ion Ratio Lower Upper

64 100

66 32.3 25.3 37.9





#7

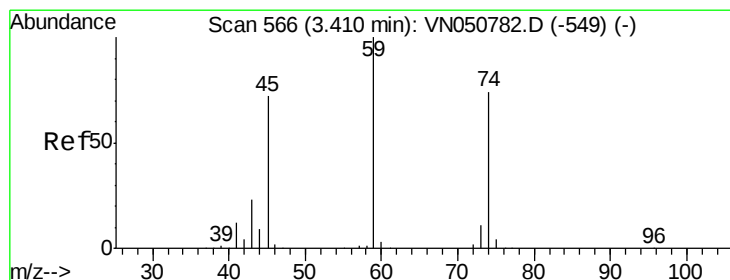
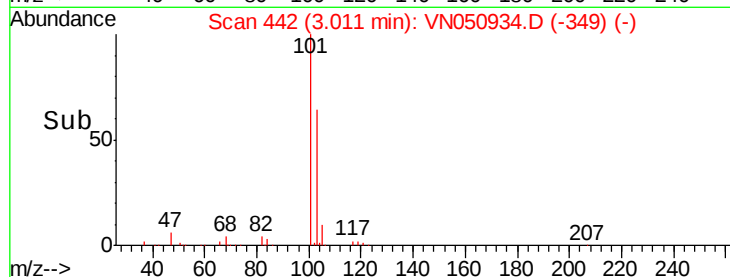
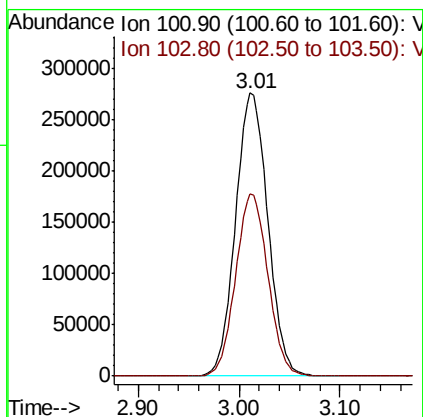
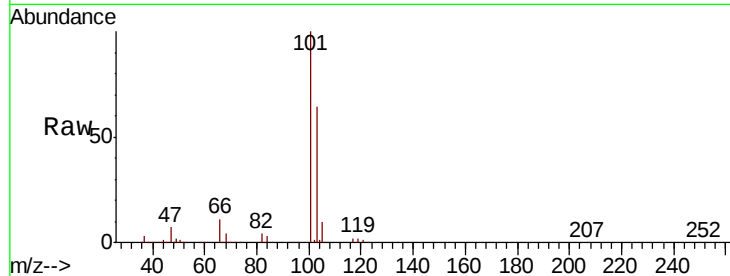
Trichlorofluoromethane
 Concen: 47.907 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.6	77.4

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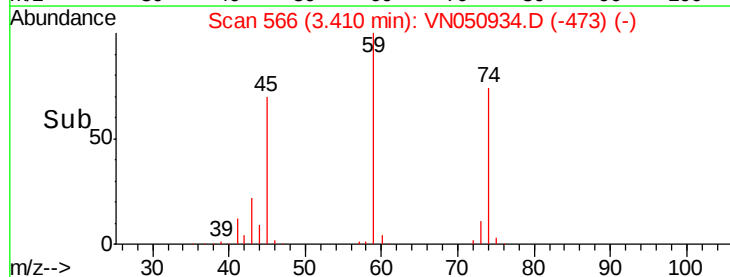
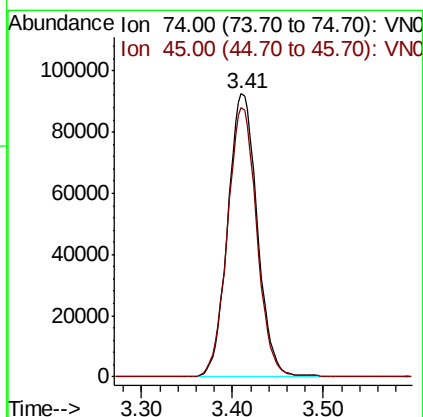
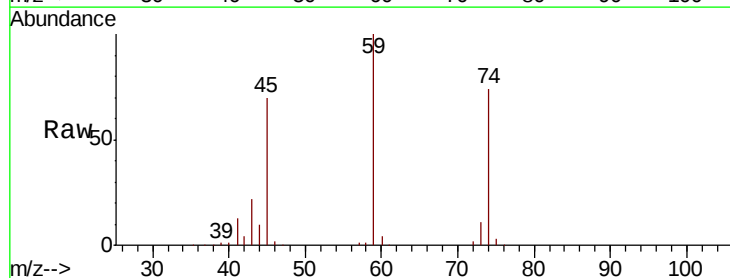
MMDadoda
 8/30/2018 11:07:22 AM



#8

Diethyl Ether
 Concen: 47.825 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050934.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.9	48.2	144.6





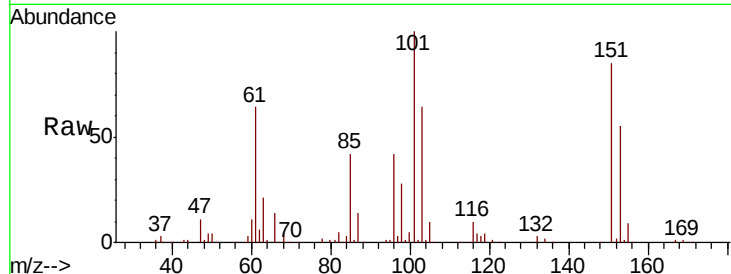
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.681 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	388952		
85	41.4	33.7	50.5	
151	84.1	67.4	101.2	

Manual Integrations
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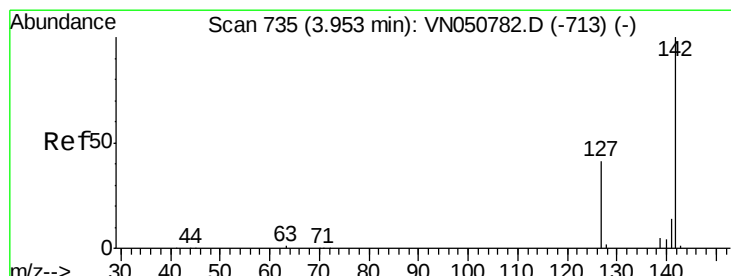
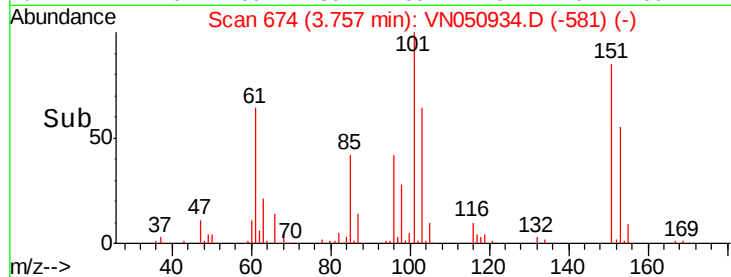
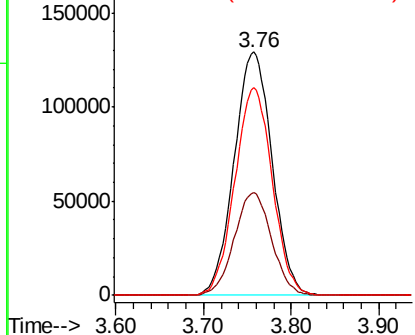


Abundance

Ion 100.90 (100.60 to 101.60): V

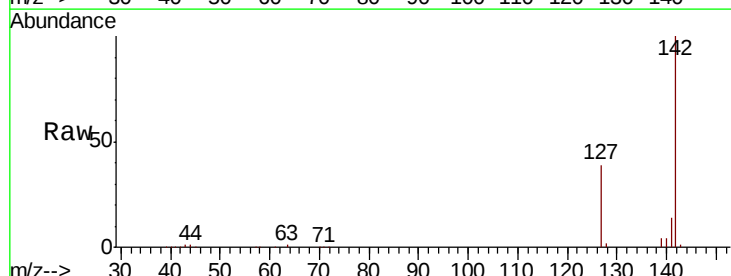
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 48.357 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	337391		
127	40.4	31.7	47.5	
141	14.2	11.4	17.0	

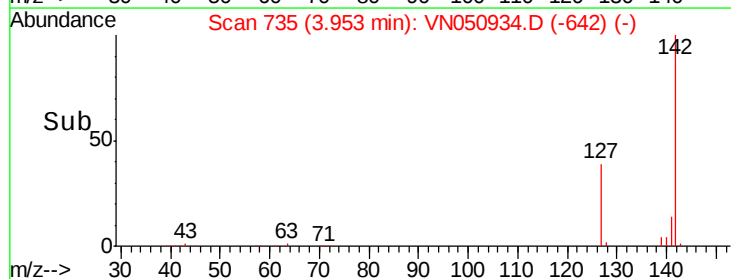
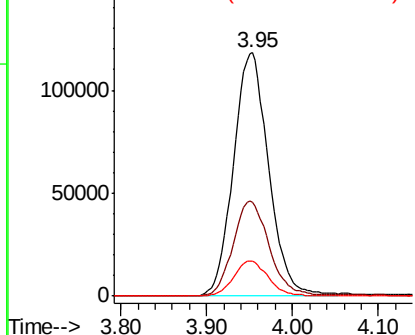


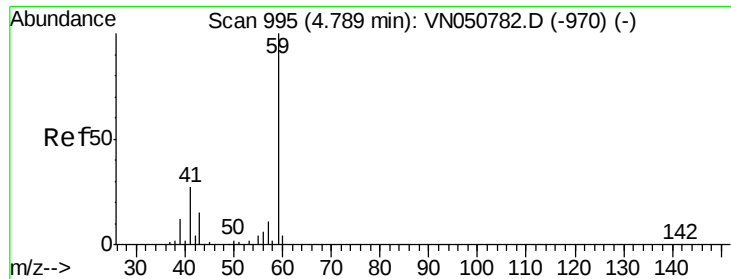
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

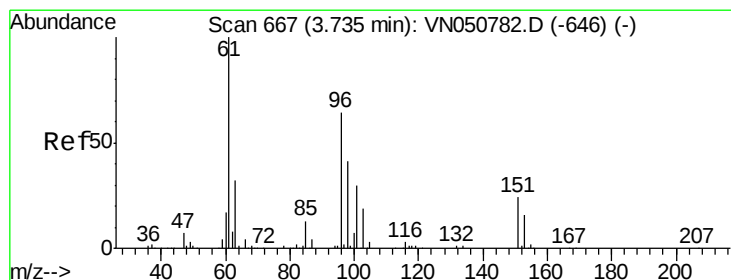
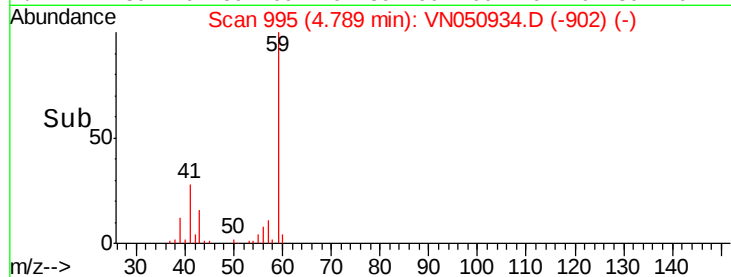
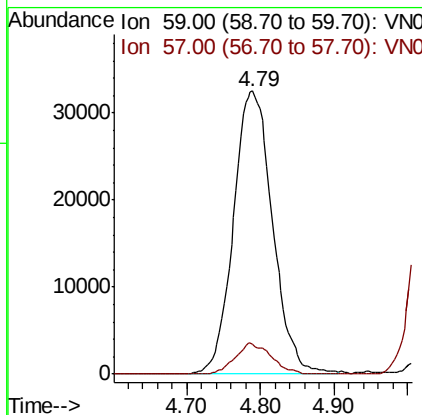
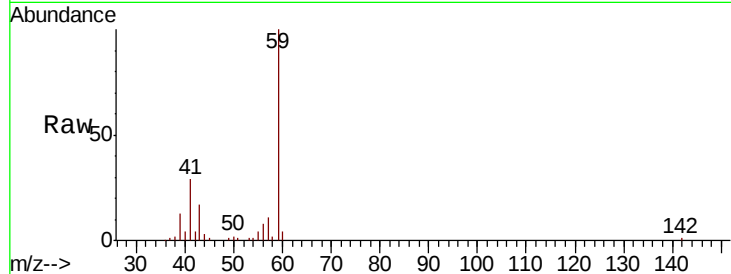
Tert butyl alcohol
 Concen: 245.072 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	119996
Ion Ratio	100	Lower	Upper
57	10.2	8.3	12.5

Manual Integrations
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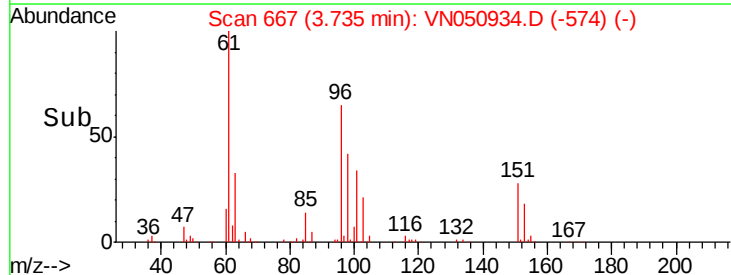
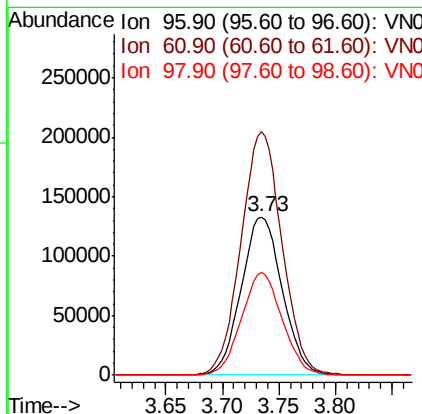
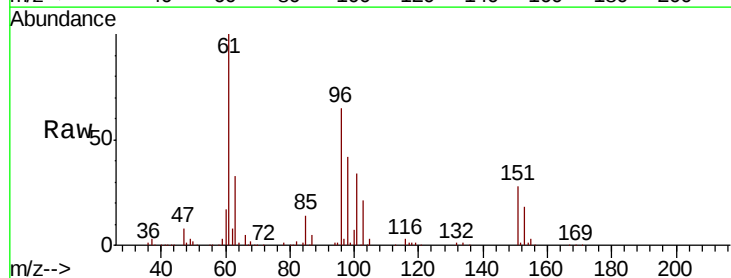
MMDadoda
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#12

1,1-Dichloroethene
 Concen: 46.821 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Tgt Ion	96	Resp	335878
Ion Ratio	100	Lower	Upper
61	154.2	124.9	187.3
98	65.4	51.1	76.7





#13

Acrolein

Concen: 212.983 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 60079

Ion Ratio Lower Upper

56 100

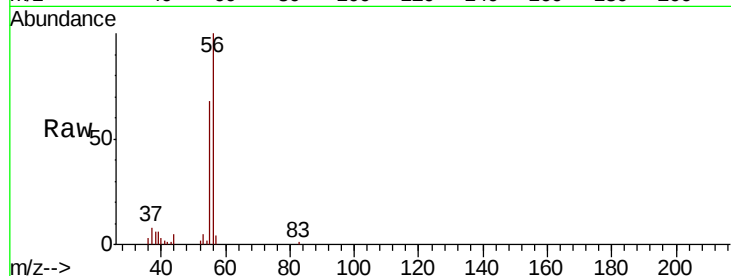
55 70.9 57.7 86.5

Manual Integrations

APPROVED

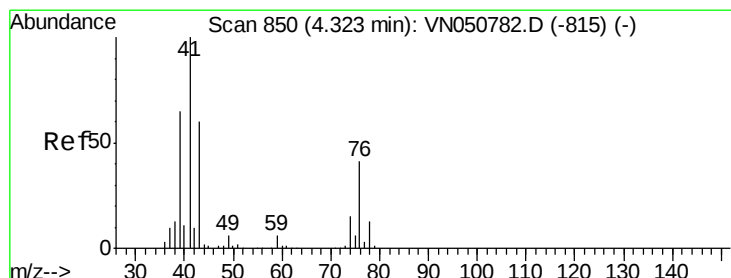
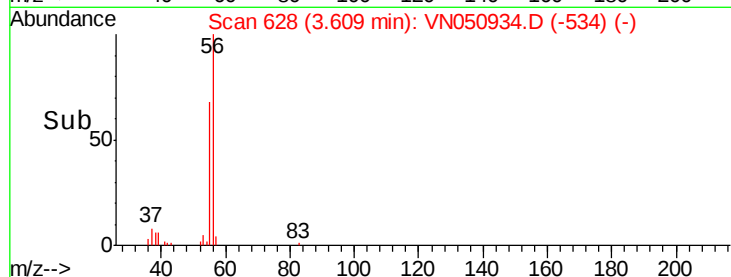
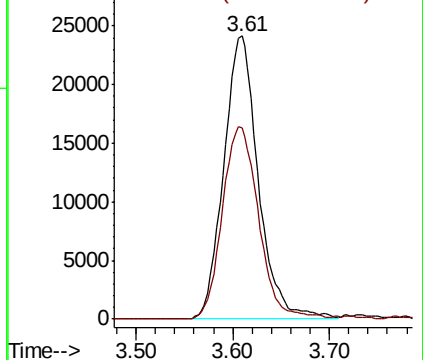
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 47.447 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

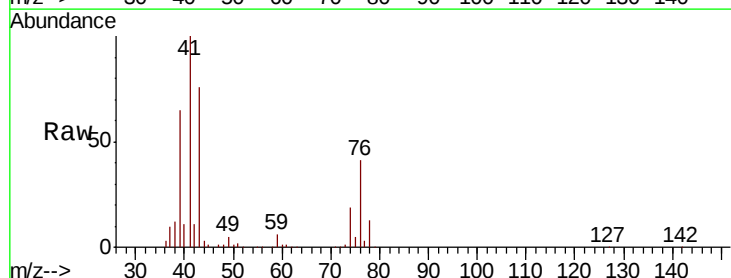
Tgt Ion: 41 Resp: 530373

Ion Ratio Lower Upper

41 100

39 62.1 50.2 75.2

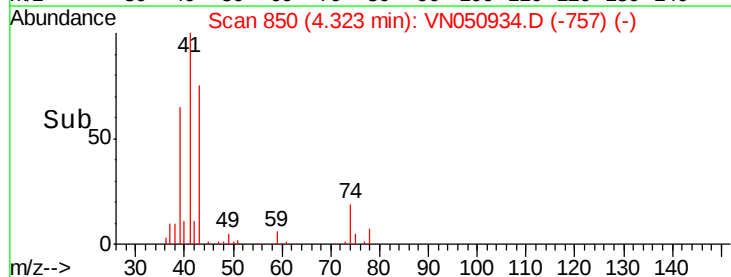
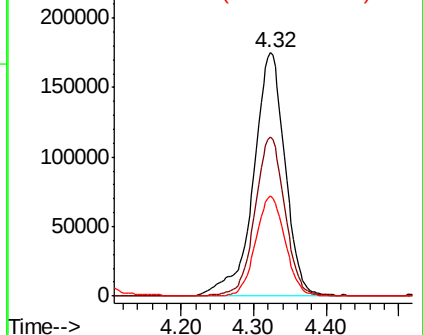
76 37.9 29.8 44.8

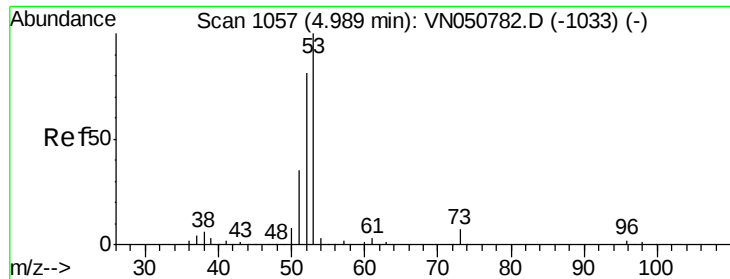


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





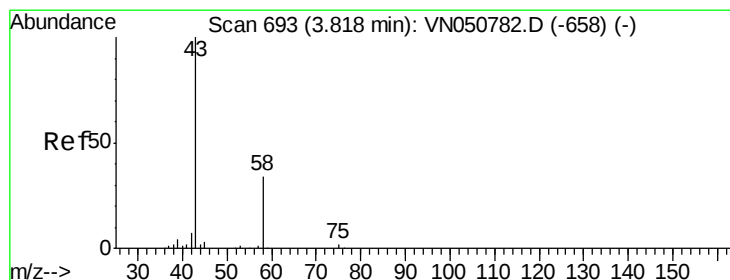
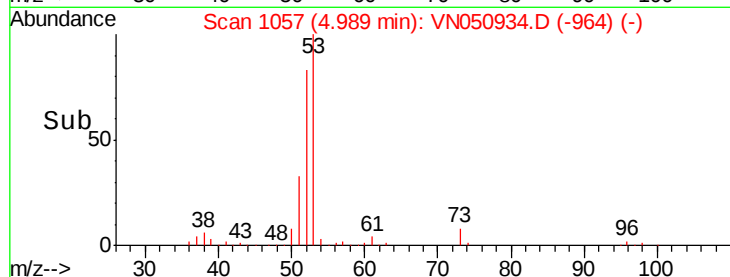
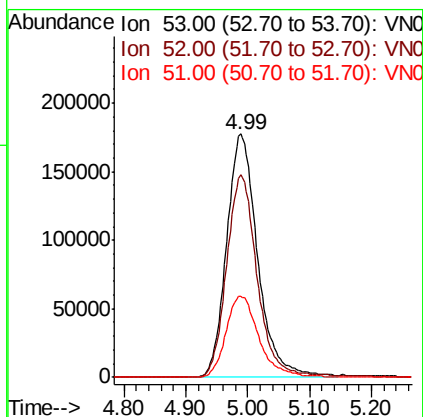
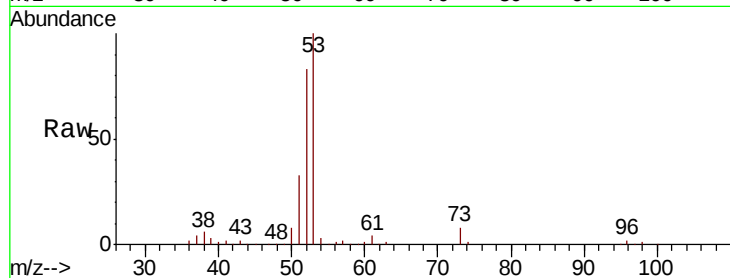
#15
 Acrylonitrile
 Concen: 249.265 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	620265
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.9	98.9
51	35.5	28.6	43.0

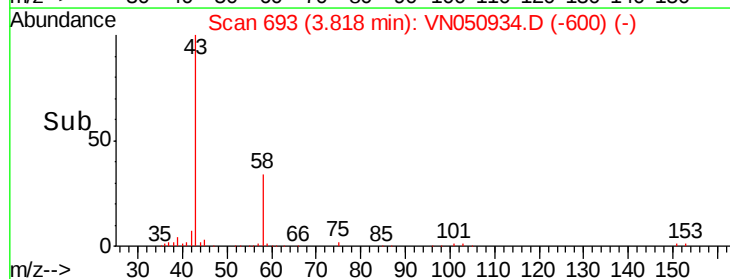
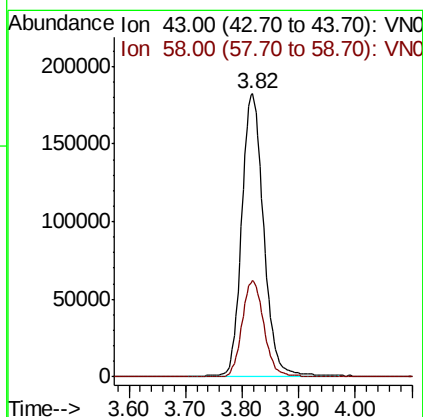
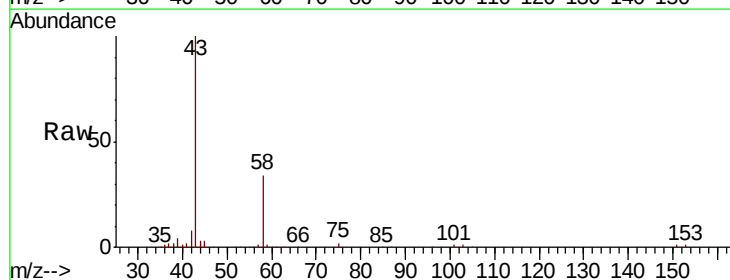
Manual Integrations
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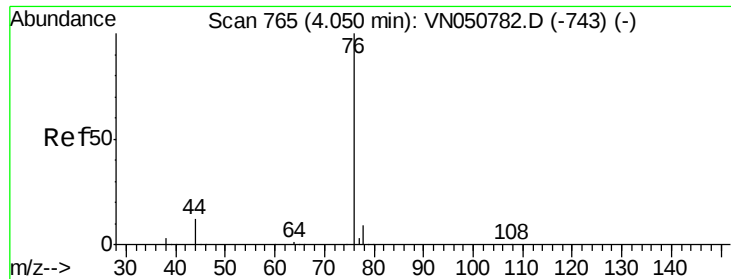
MMDadoda
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#16
 Acetone
 Concen: 271.471 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Tgt Ion:	43	Resp:	493196
Ion Ratio	Lower	Upper	
43	100		
58	33.9	27.2	40.8





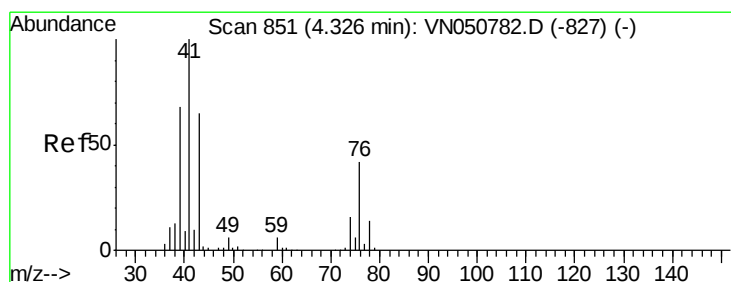
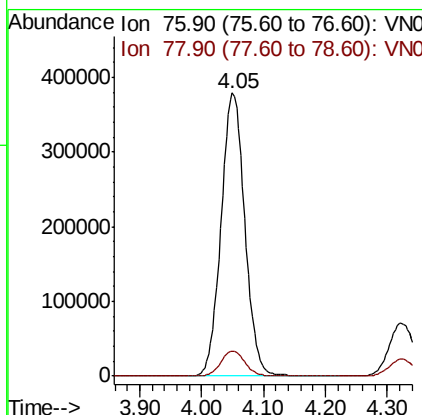
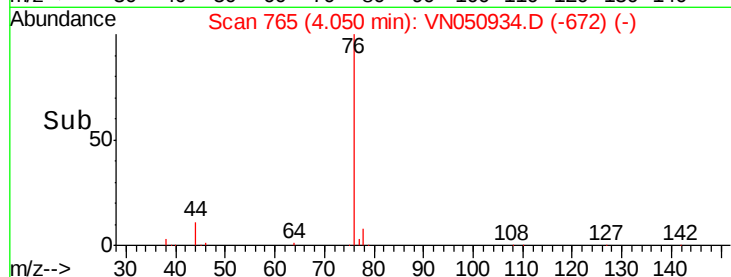
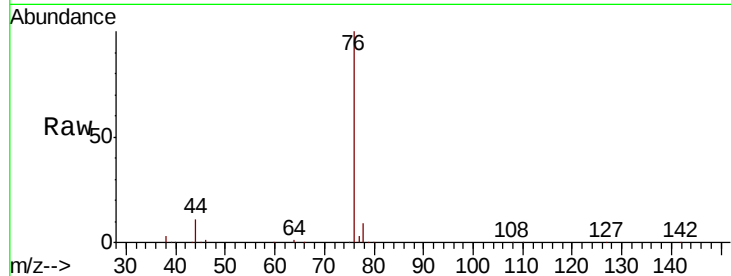
#17
Carbon Disulfide
Concen: 42.117 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1012848
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9

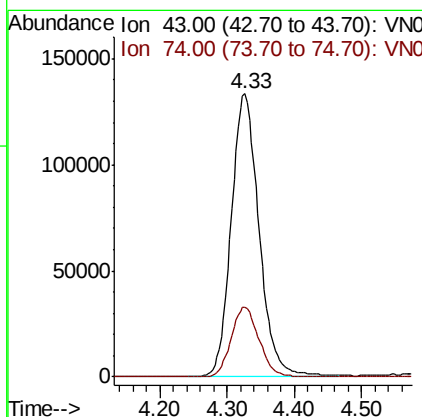
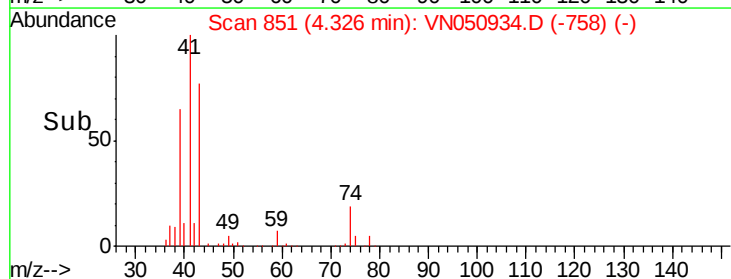
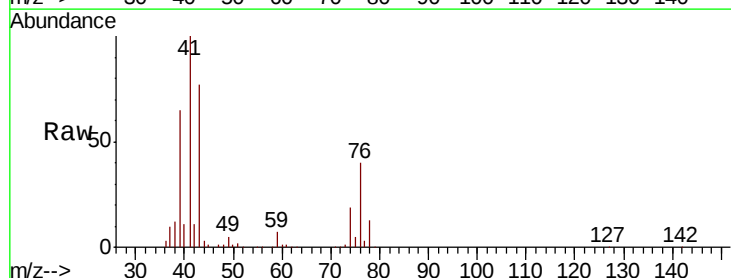
Manual Integrations
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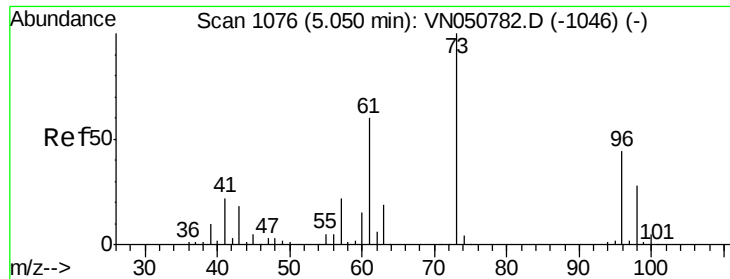
MMDadoda
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#18
Methyl Acetate
Concen: 52.535 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion: 43 Resp: 381438
Ion Ratio Lower Upper
43 100
74 24.7 19.8 29.8





#19

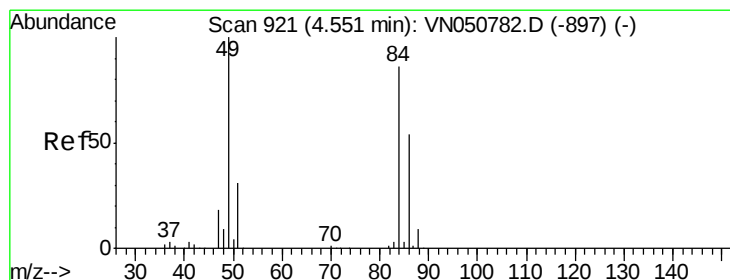
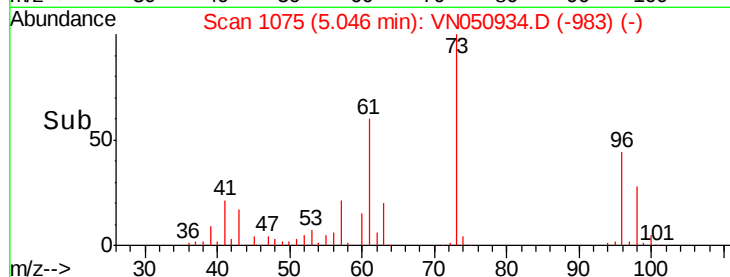
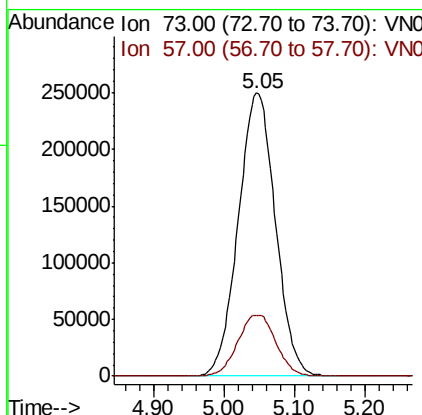
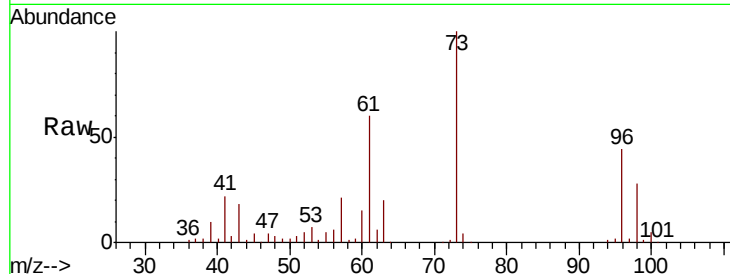
Methyl tert-butyl Ether
 Concen: 50.698 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.8	26.8

Manual Integrations
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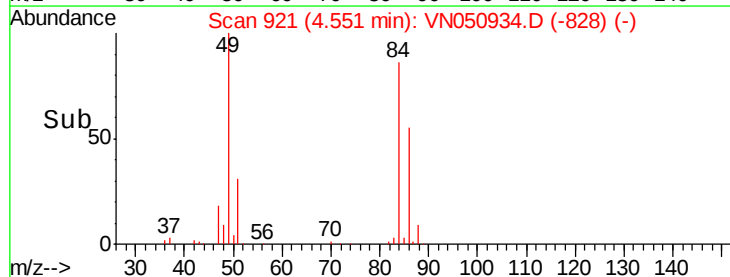
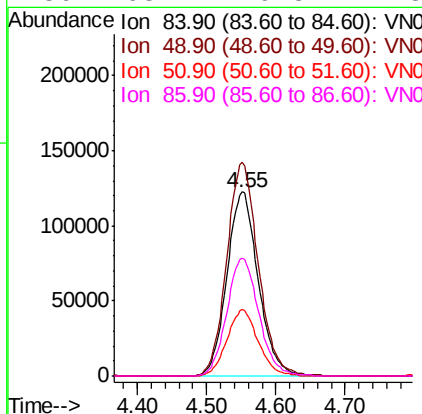
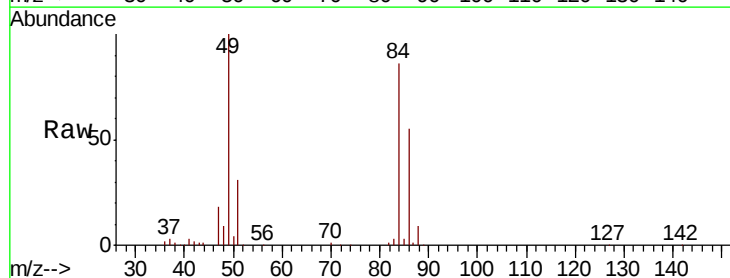
MMDadoda
 8/30/2018 11:07:22 AM

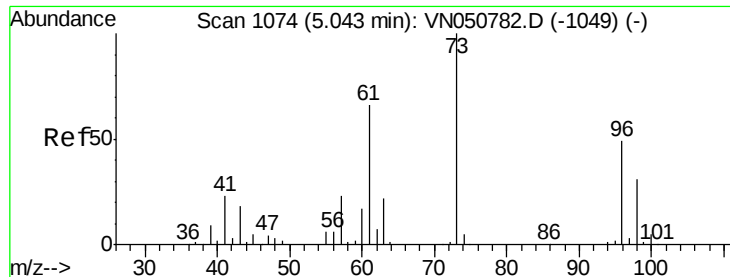


#20

Methylene Chloride
 Concen: 44.704 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.1	93.2	139.8
51	35.9	29.0	43.6
86	63.7	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 46.749 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 362726

Ion Ratio Lower Upper

96 100

61 137.1 107.4 161.0

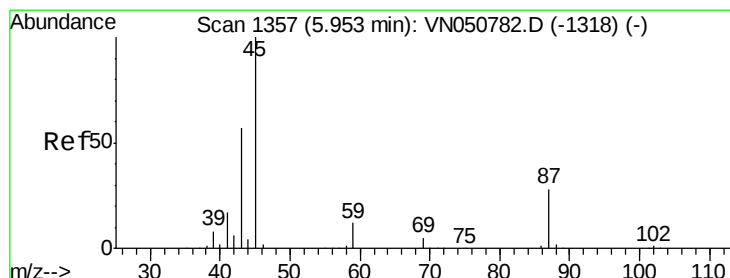
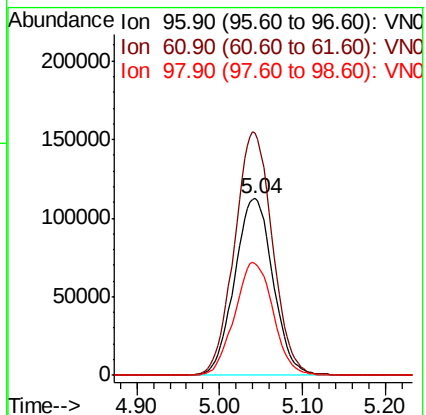
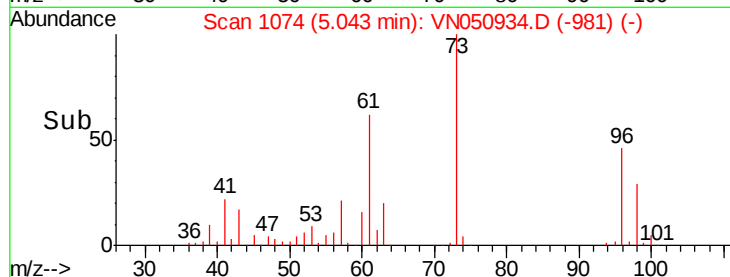
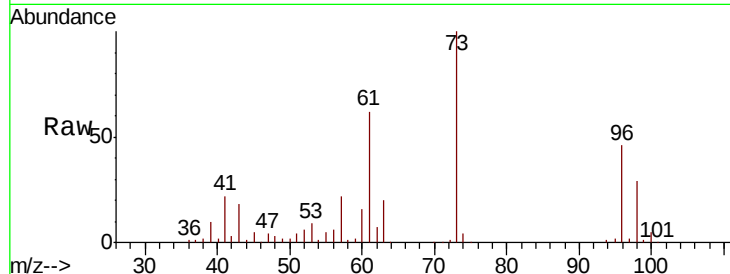
98 63.4 50.7 76.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.672 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Tgt Ion: 45 Resp: 1128828

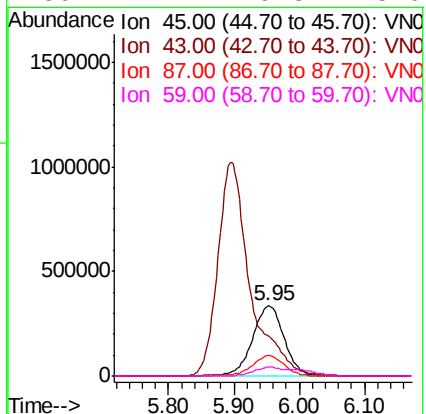
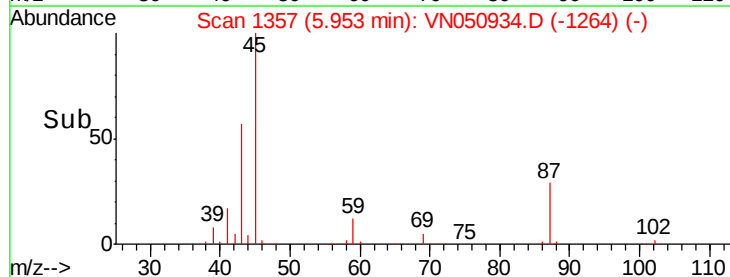
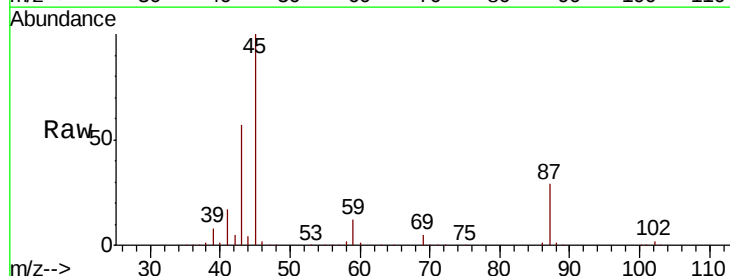
Ion Ratio Lower Upper

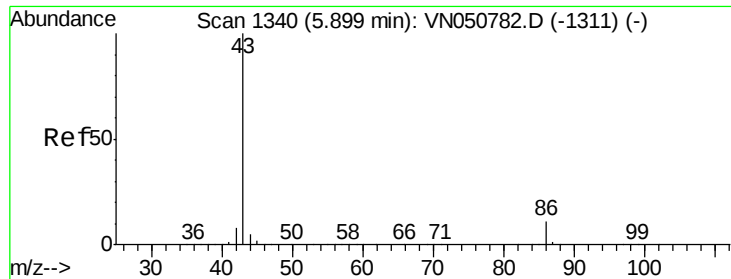
45 100

43 56.4 45.9 68.9

87 28.6 22.7 34.1

59 12.2 9.3 13.9





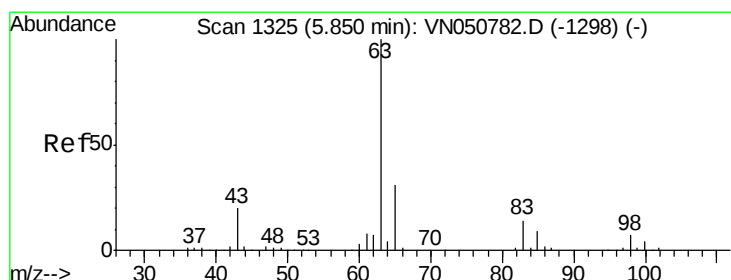
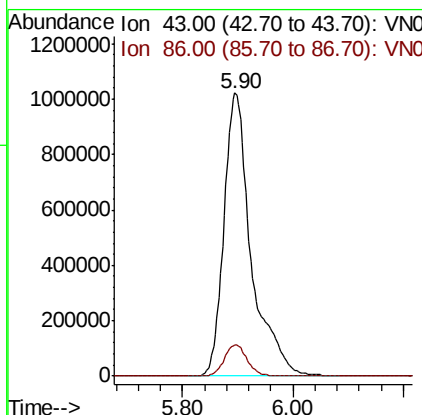
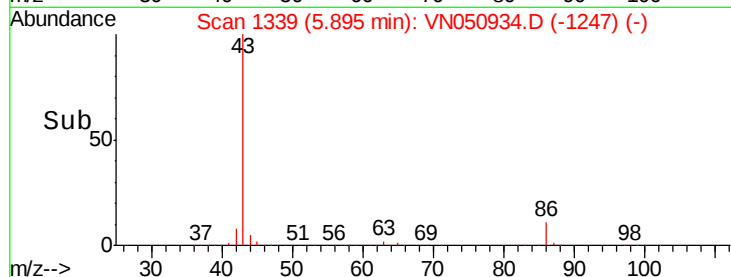
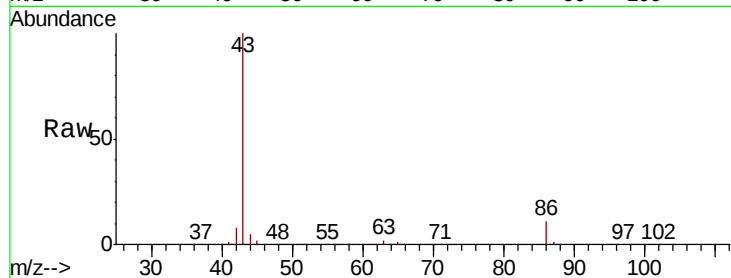
#23
 Vinyl Acetate
 Concen: 244.422 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3506574
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.7 13.1

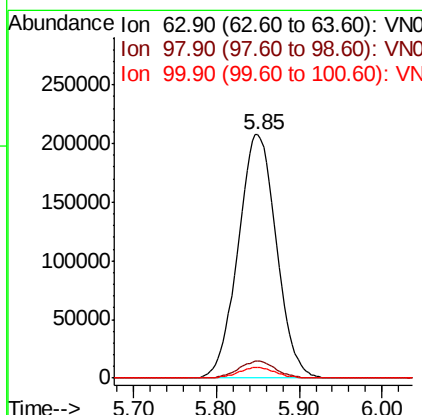
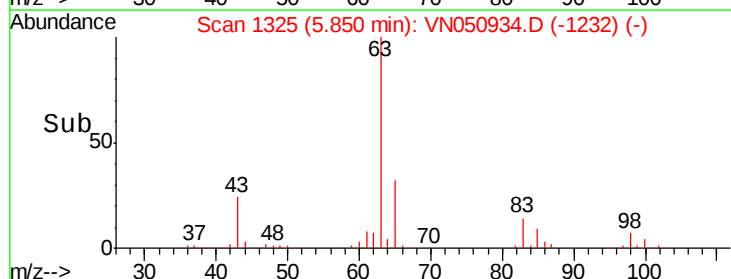
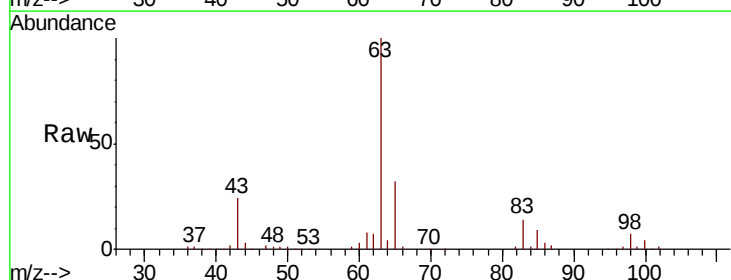
Manual Integrations
 APPROVED

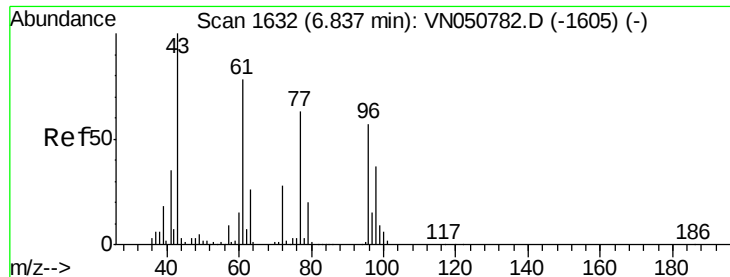
MMDadoda
 8/30/2018 11:07:22 AM



#24
 1,1-Dichloroethane
 Concen: 46.545 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Tgt Ion: 63 Resp: 665692
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.8
 100 4.3 2.1 6.5





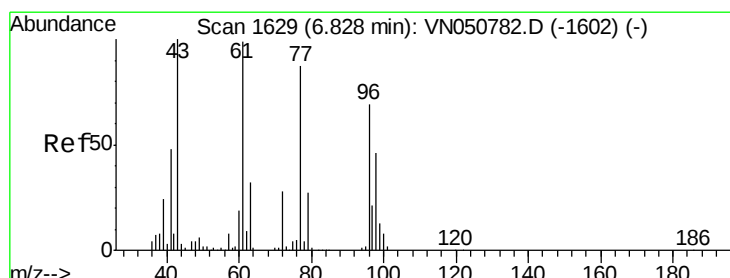
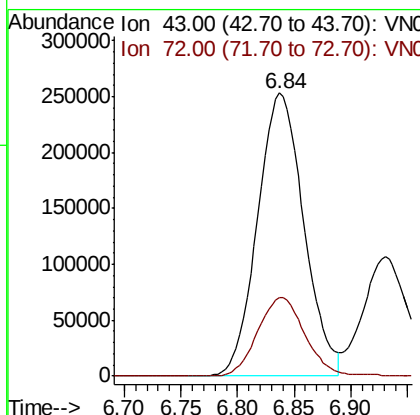
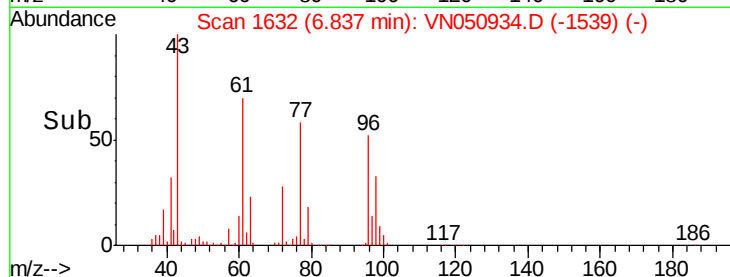
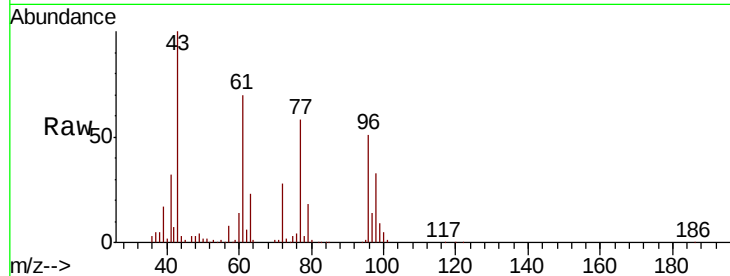
#25
2-Butanone
Concen: 231.635 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 717768
Ion Ratio Lower Upper
43 100
72 27.8 22.3 33.5

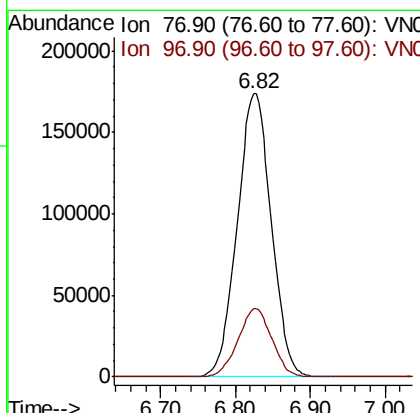
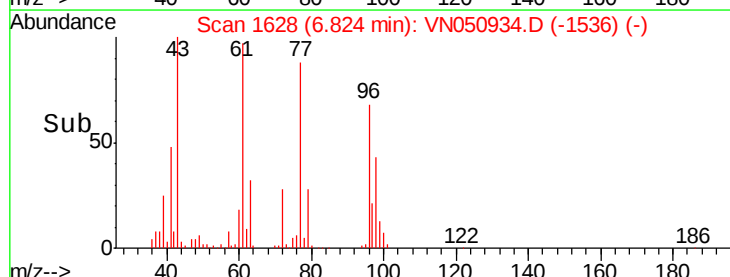
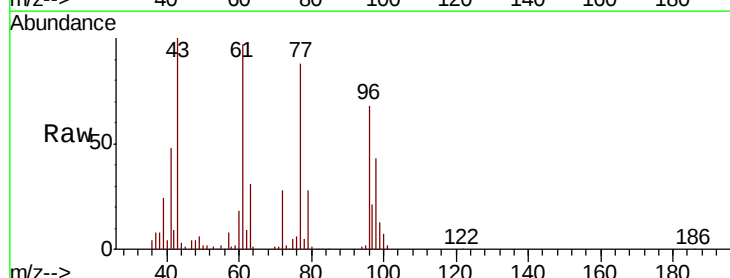
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#26
2,2-Dichloropropane
Concen: 47.733 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion: 77 Resp: 548543
Ion Ratio Lower Upper
77 100
97 24.0 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 48.569 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Instrument :

MSVOA_N

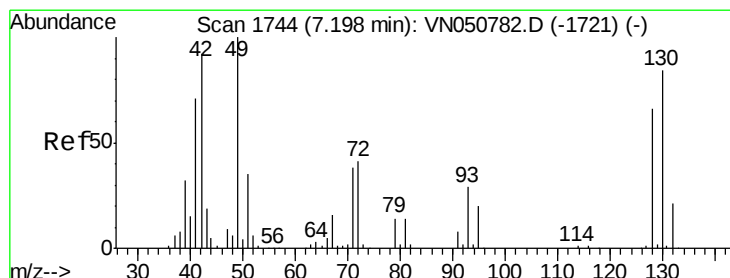
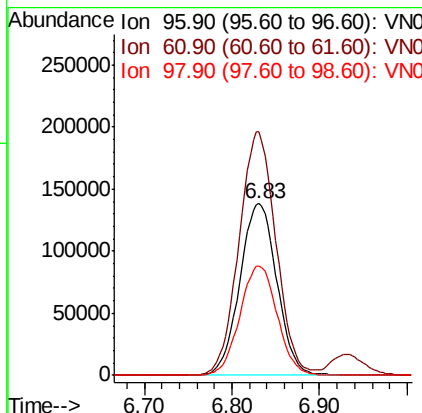
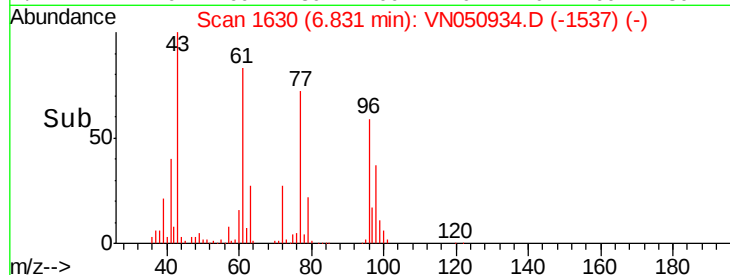
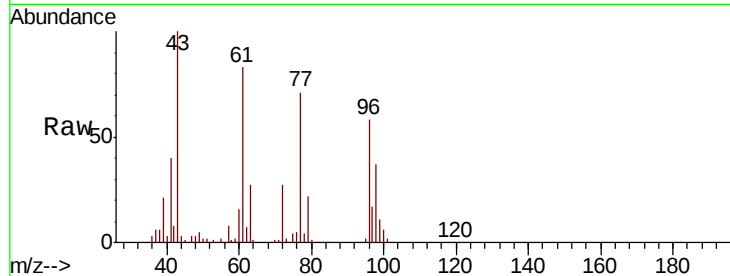
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	406277
Ion	Ratio	Lower	Upper
96	100		
61	141.1	0.0	283.4
98	64.3	0.0	129.8

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#28

Bromochloromethane

Concen: 49.595 ug/l

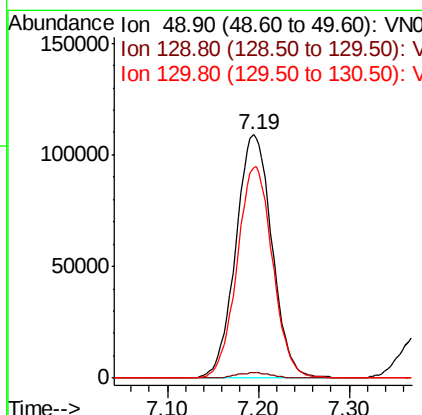
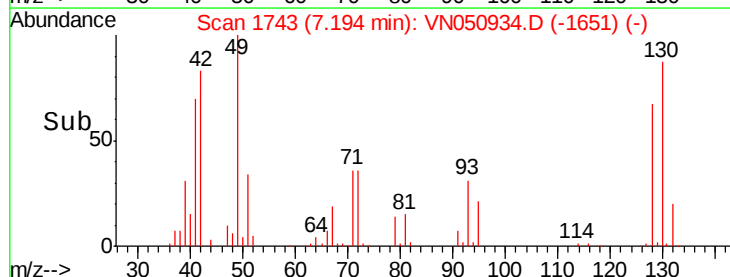
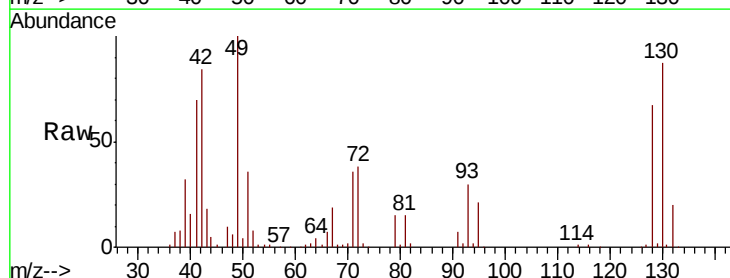
RT: 7.19 min Scan# 1743

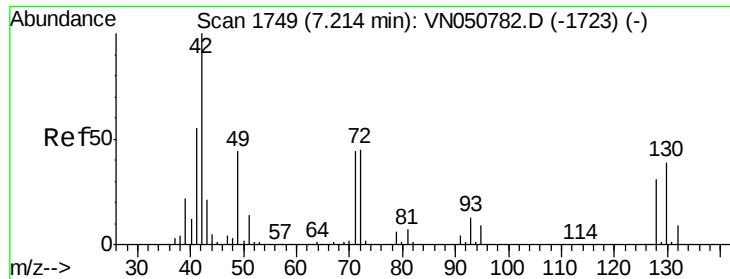
Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Tgt Ion:	49	Resp:	301399
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	85.3	67.1	100.7





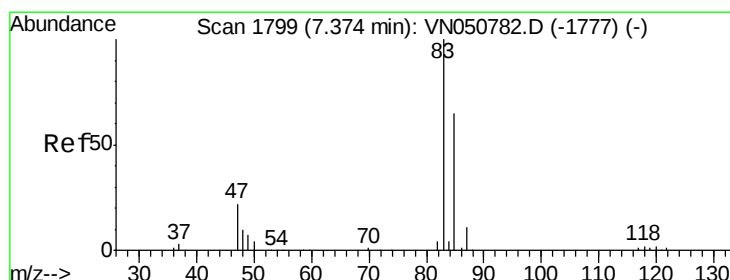
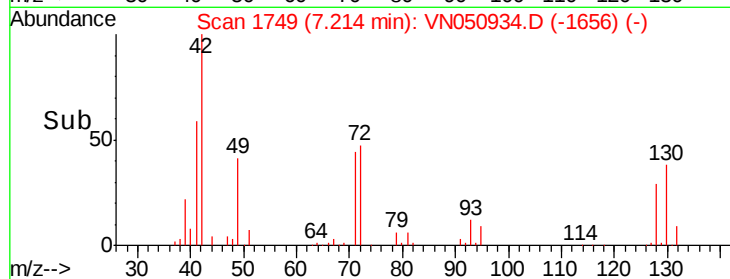
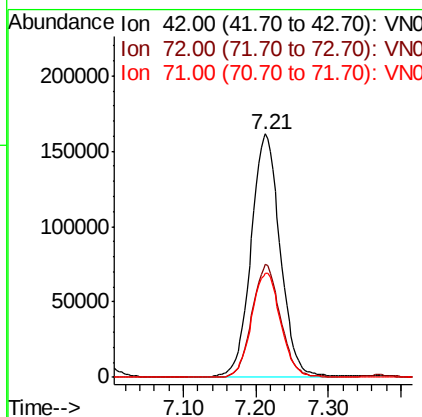
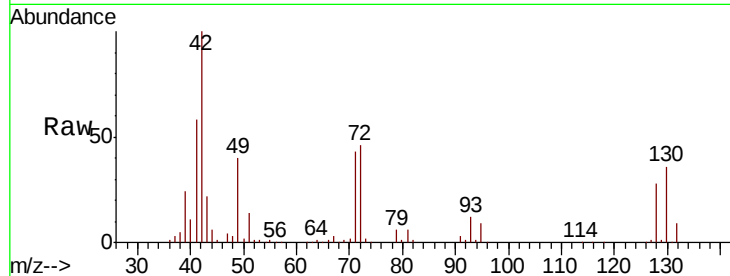
#29
Tetrahydrofuran
Concen: 253.653 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.5	53.3
71	43.0	33.7	50.5

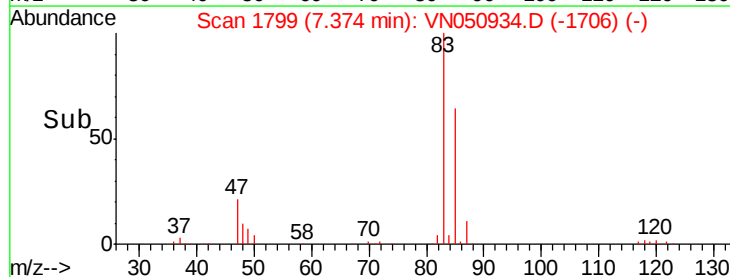
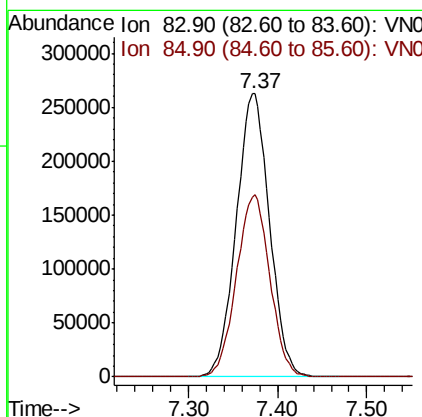
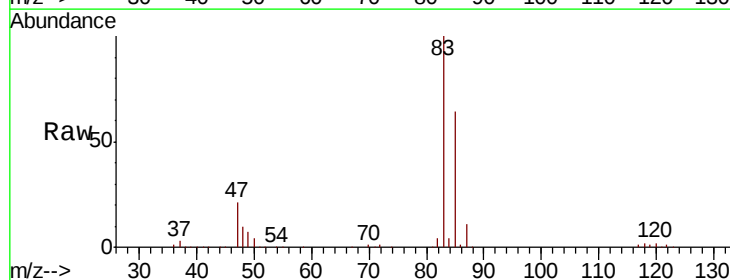
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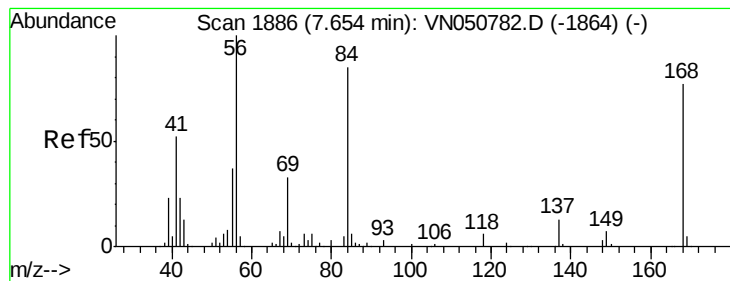
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#30
Chloroform
Concen: 47.861 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.4





#31

Cyclohexane

Concen: 46.241 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Instrument :

MSVOA_N

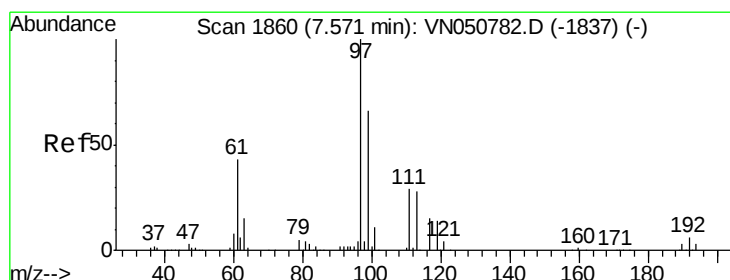
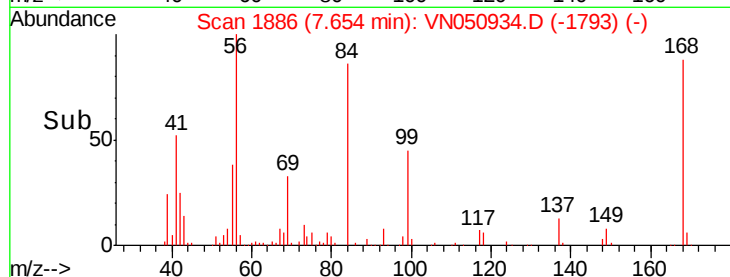
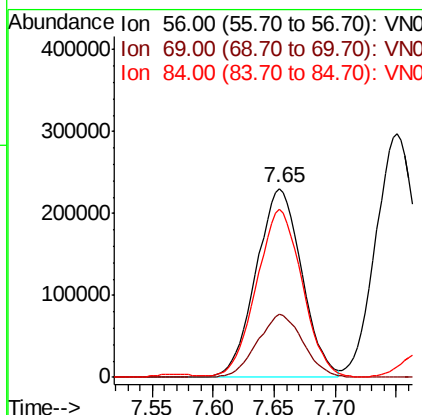
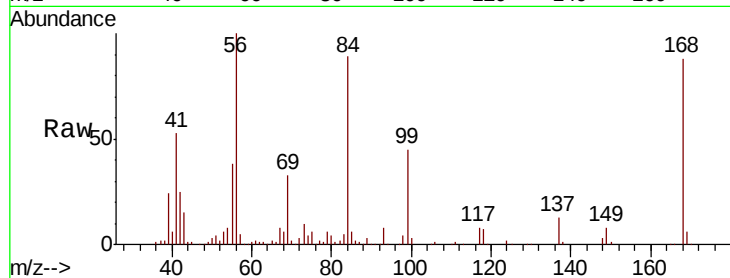
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	600568
Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.2	39.4
84	87.7	68.3	102.5

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#32

1,1,1-Trichloroethane

Concen: 47.151 ug/l

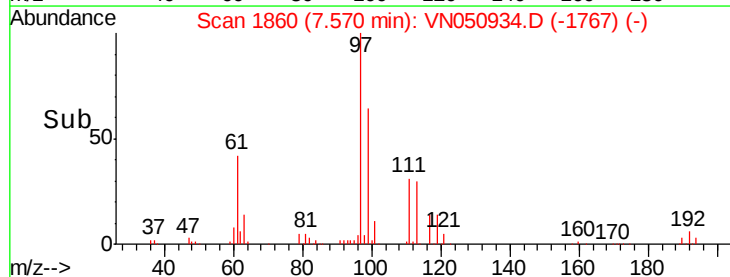
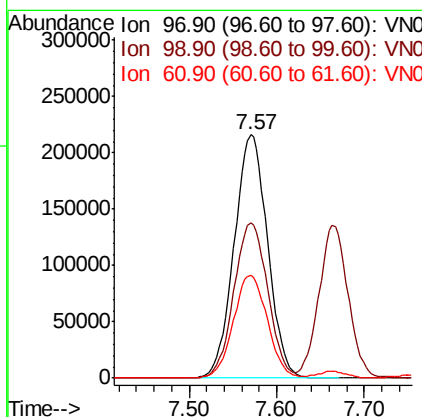
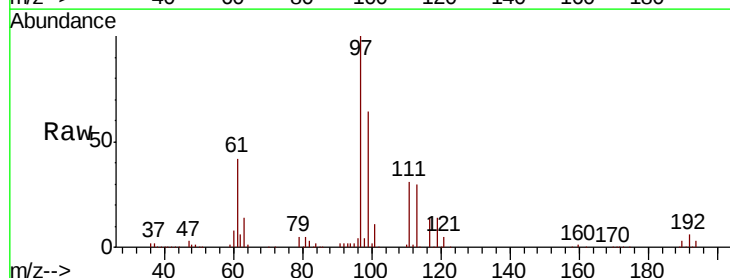
RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Tgt Ion:	97	Resp:	573575
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	43.0	34.9	52.3





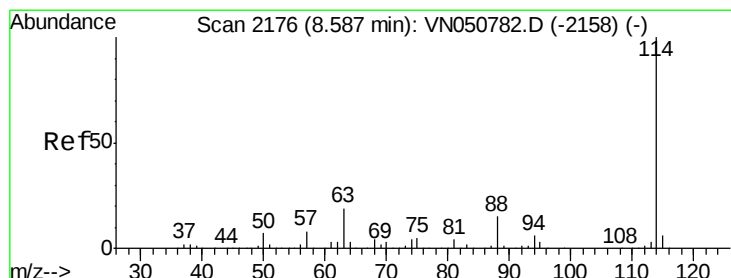
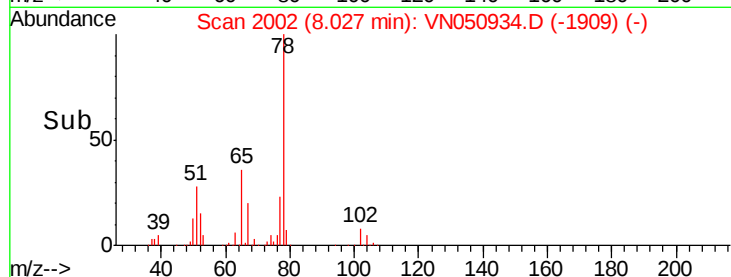
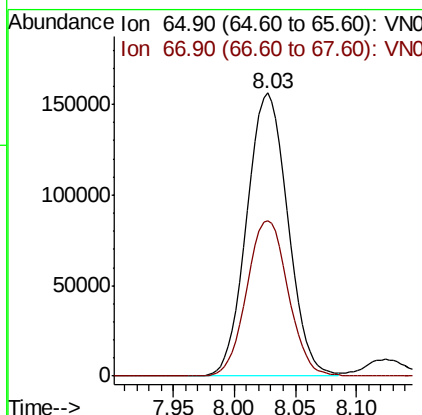
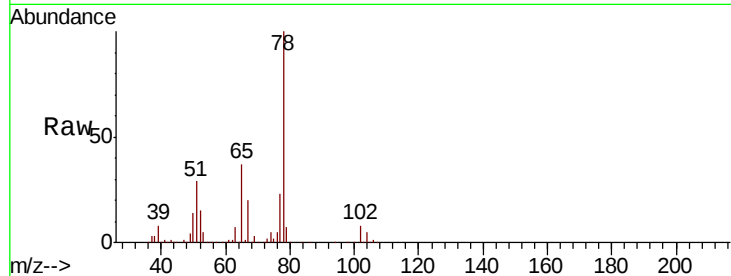
#33
 1,2-Dichloroethane-d4
 Concen: 47.418 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	364610		
67	55.4	0.0	110.4	

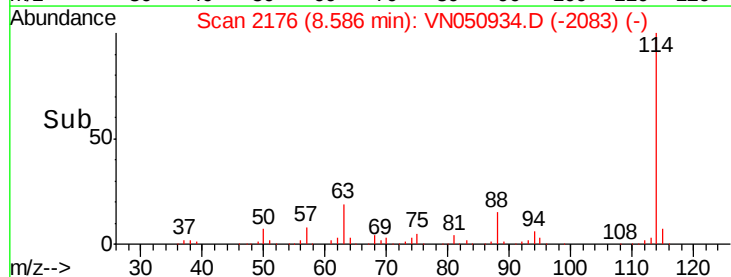
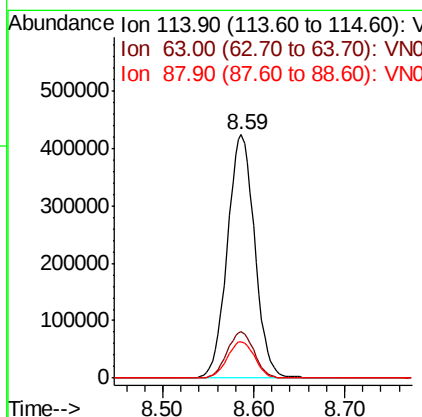
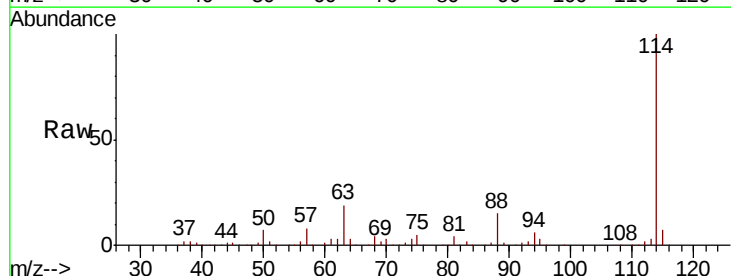
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	882553		
63	18.9	0.0	38.6	
88	15.1	0.0	30.6	





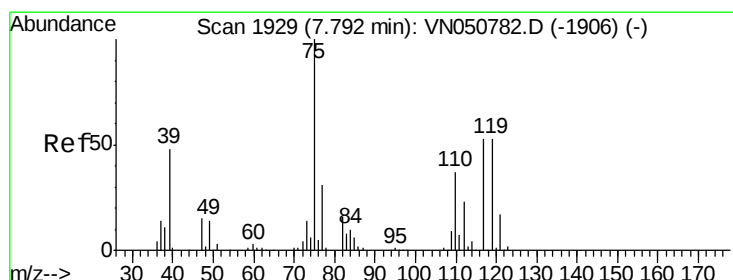
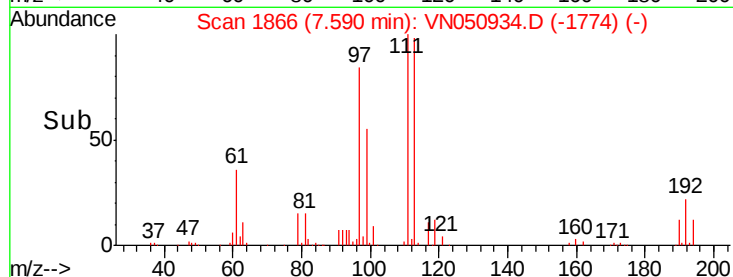
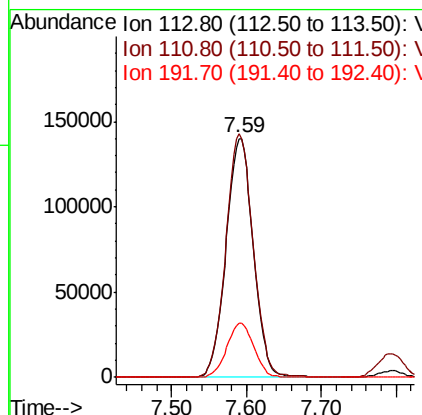
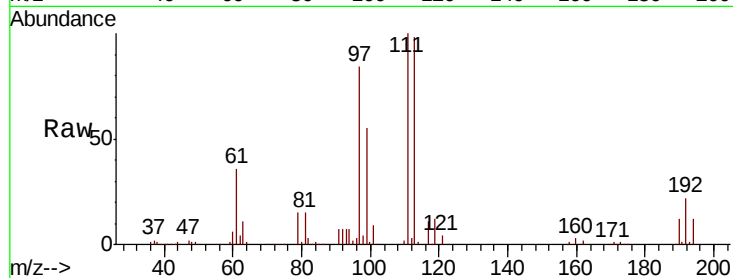
#35
 Dibromofluoromethane
 Concen: 50.229 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	82.6	123.8	
192	22.6	18.0	27.0	

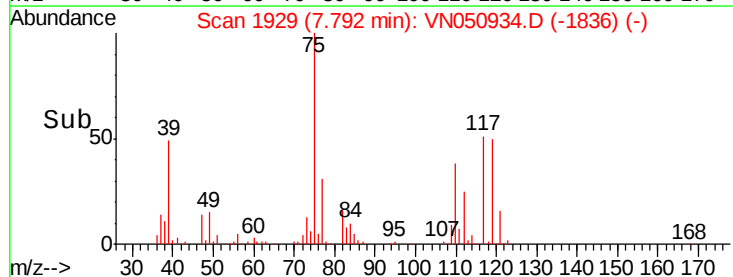
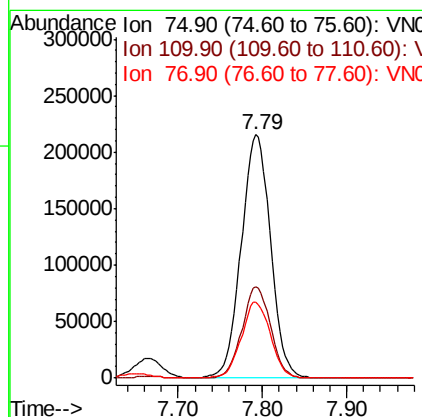
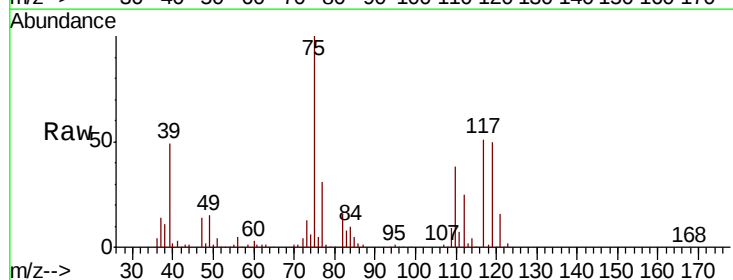
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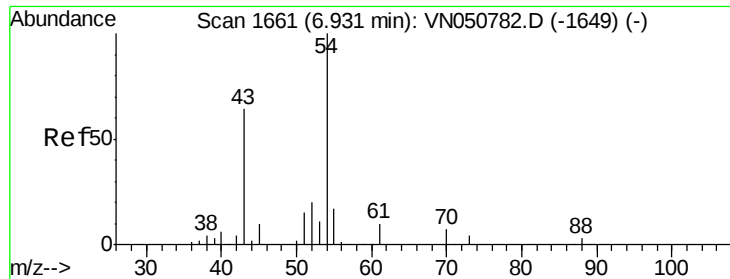
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#36
 1,1-Dichloropropene
 Concen: 50.028 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.6	18.1	54.4	
77	31.4	24.8	37.2	





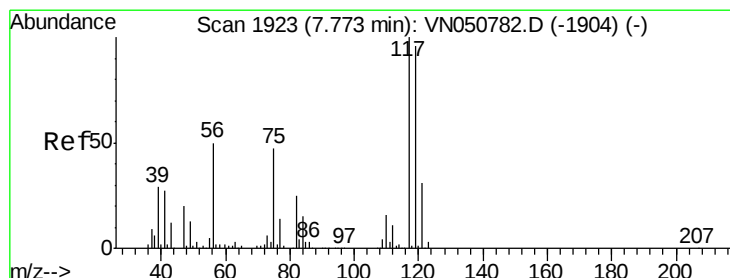
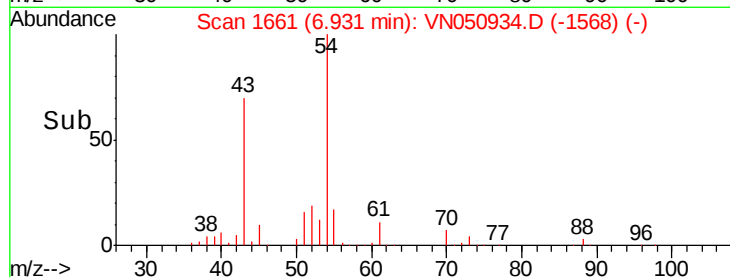
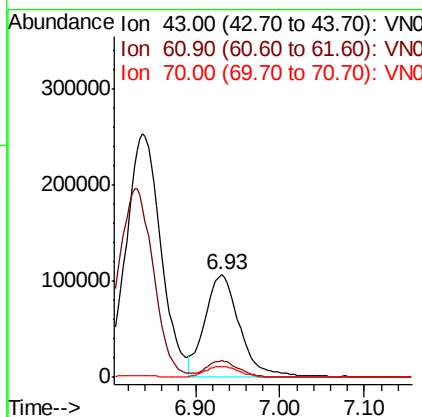
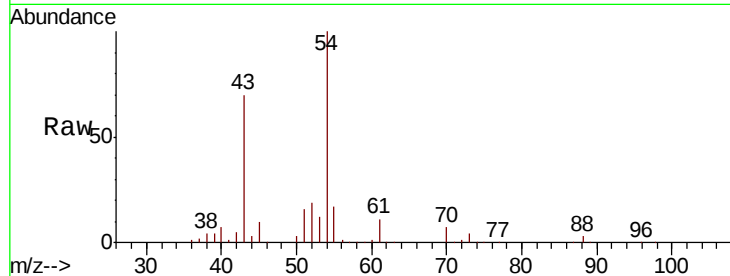
#37
Ethyl Acetate
Concen: 50.384 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.0	18.0
70	10.3	8.6	13.0

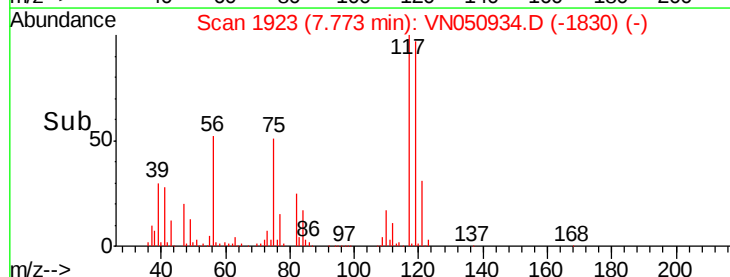
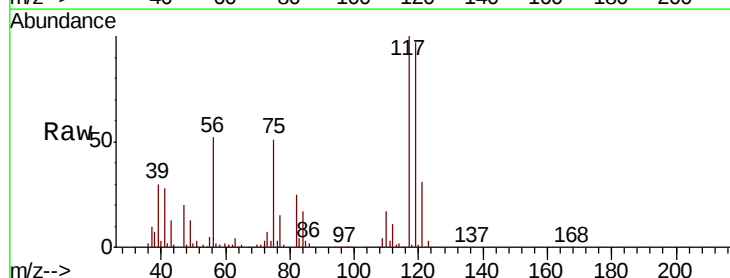
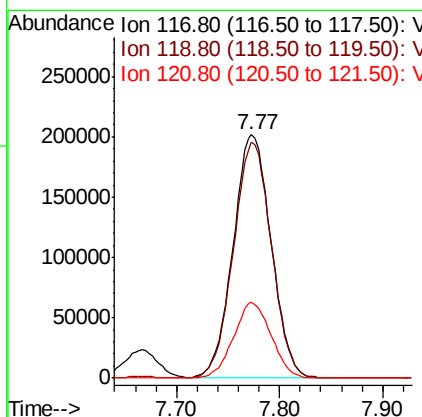
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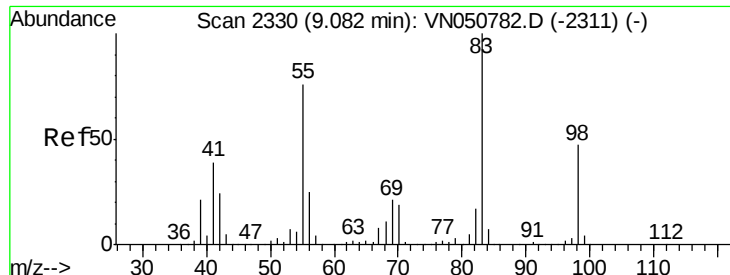
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#38
Carbon Tetrachloride
Concen: 49.203 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.3	114.5
121	31.3	24.6	36.8





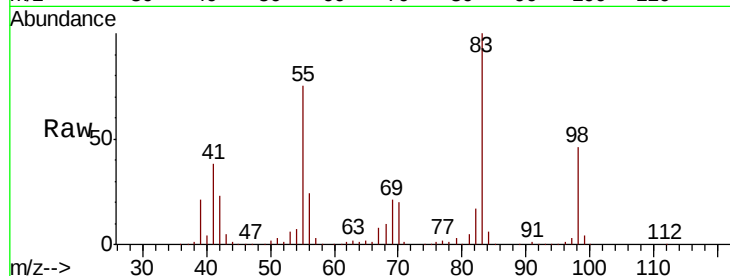
#39
Methvlcvclohexane
Concen: 52.098 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	586994		
55	74.6		61.0	91.4
98	46.4		37.5	56.3

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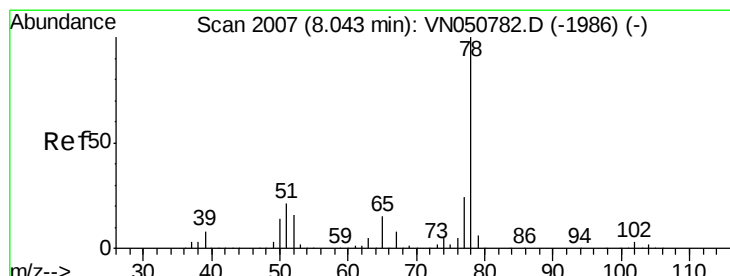
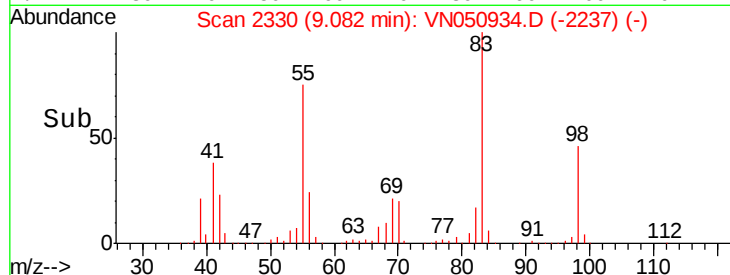
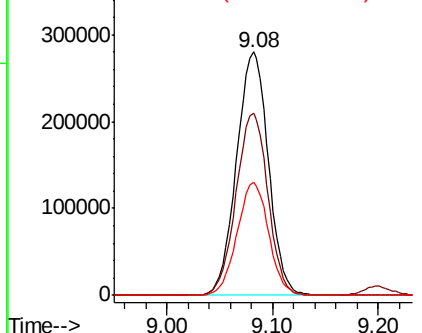


Abundance

Ion 83.00 (82.70 to 83.70): VN0

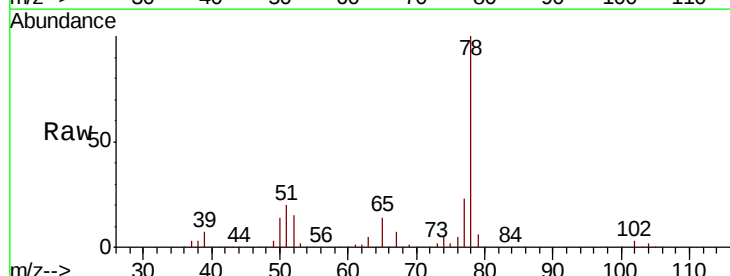
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 49.746 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

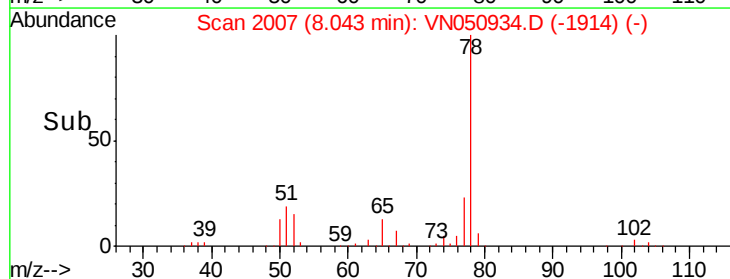
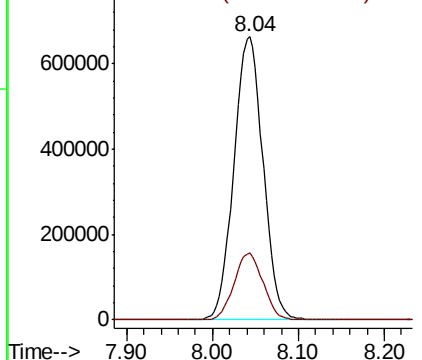
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1562262		
77	23.5		19.0	28.4



Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





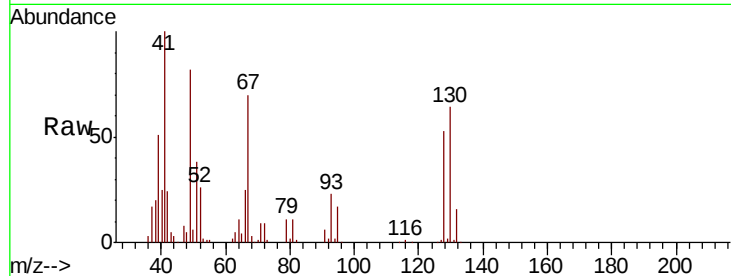
#41
Methacrylonitrile
Concen: 50.014 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		161925		
39	60.8	45.4	68.0		
67	88.6	70.6	106.0		
52	35.0	27.1	40.7		

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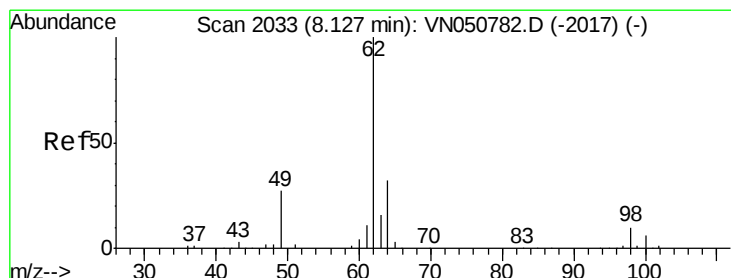
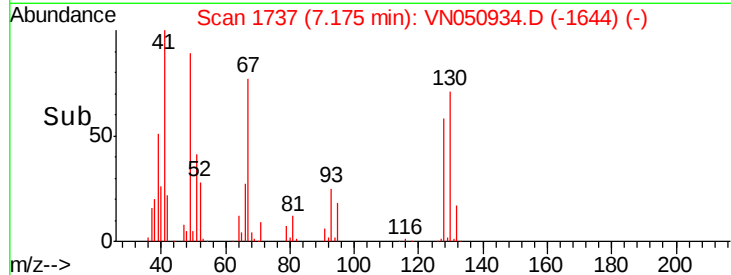
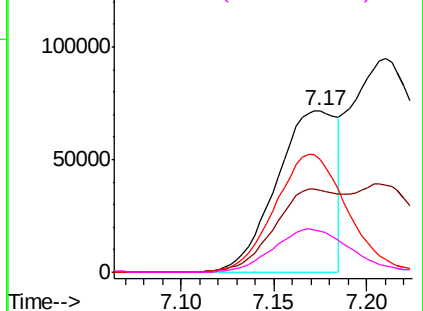
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

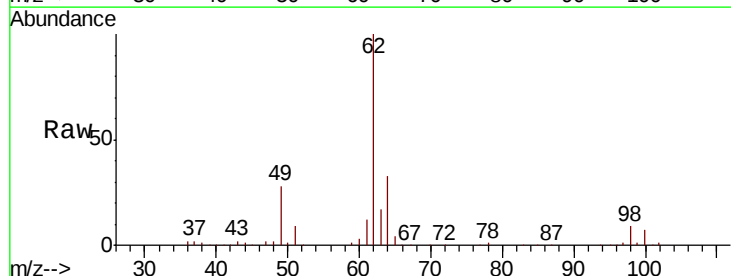
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 49.381 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

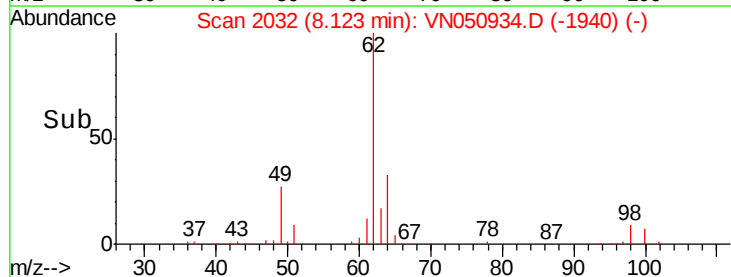
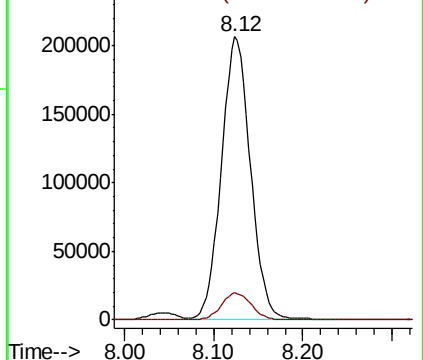
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		463653		
98	9.8	0.0	19.6		

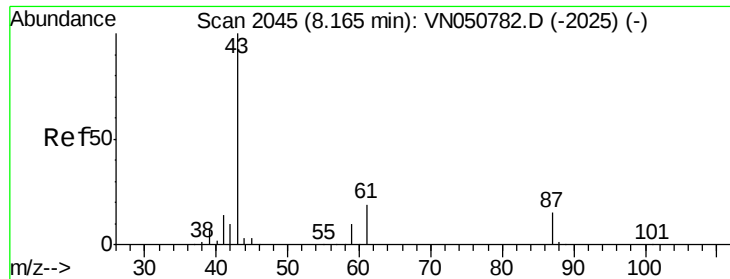


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





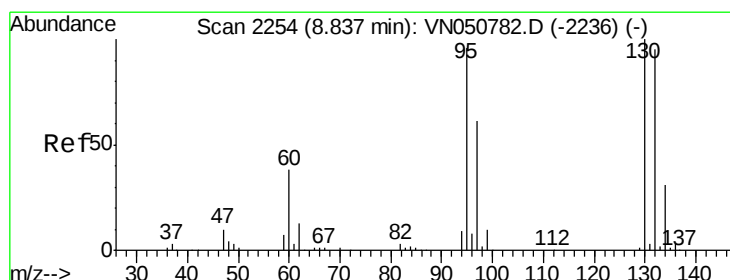
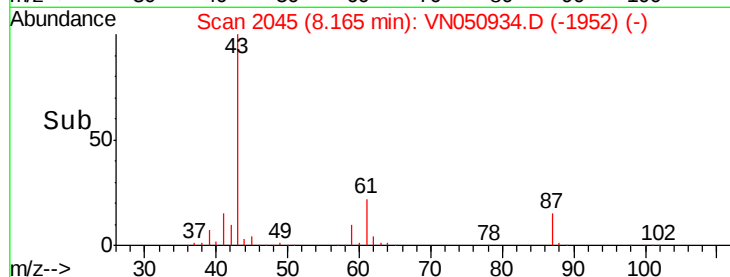
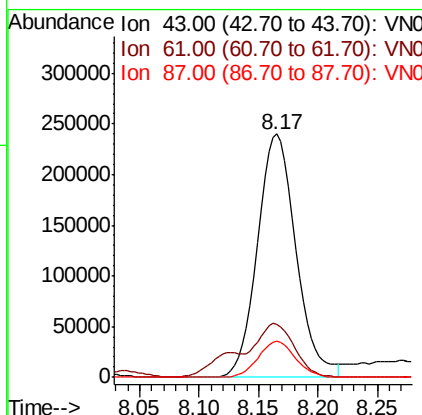
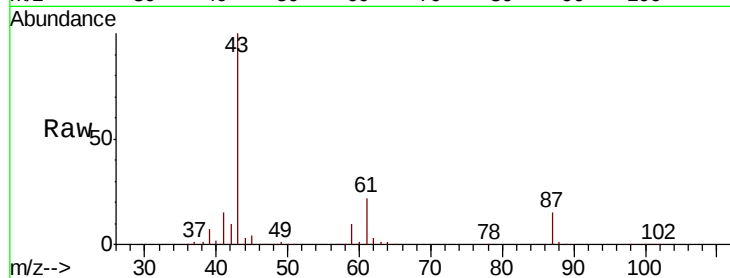
#43
Isopropyl Acetate
Concen: 52.289 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.5	26.3
87	14.3	11.3	16.9

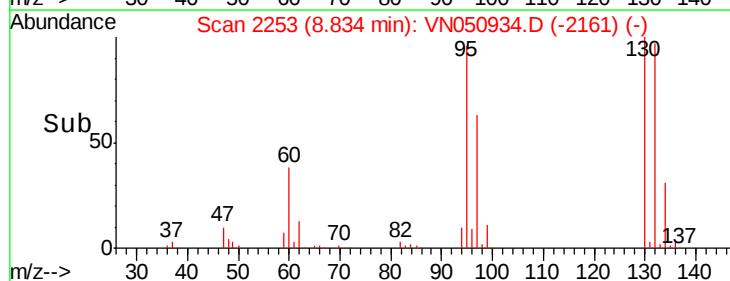
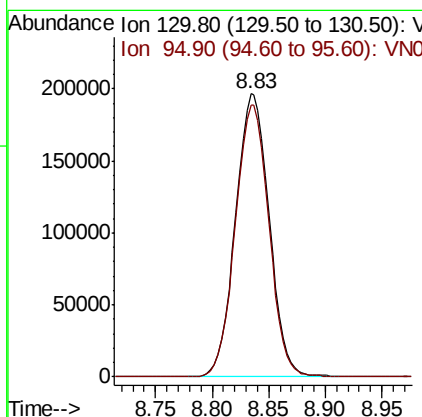
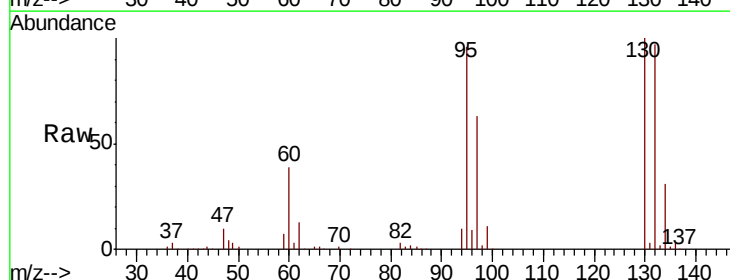
Manual Integrations
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#44
Trichloroethene
Concen: 49.260 ug/l
RT: 8.83 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	193.0





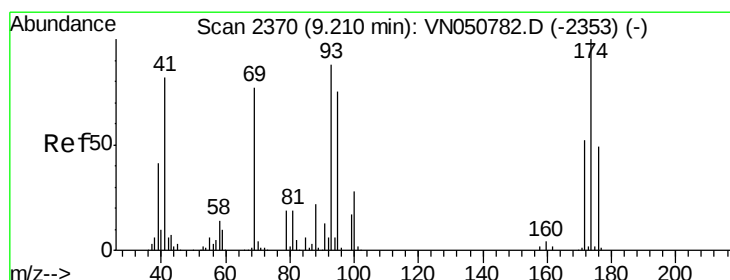
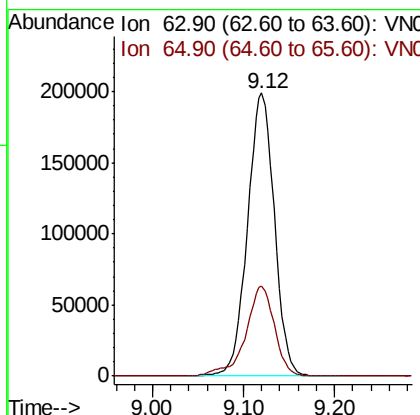
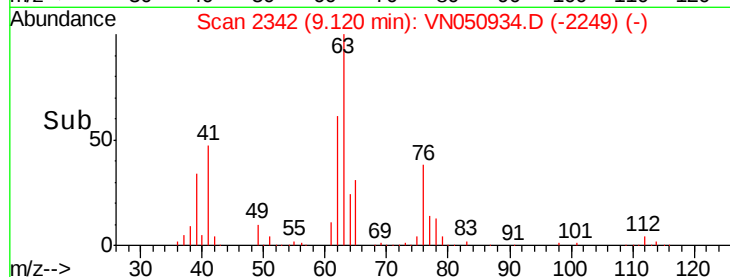
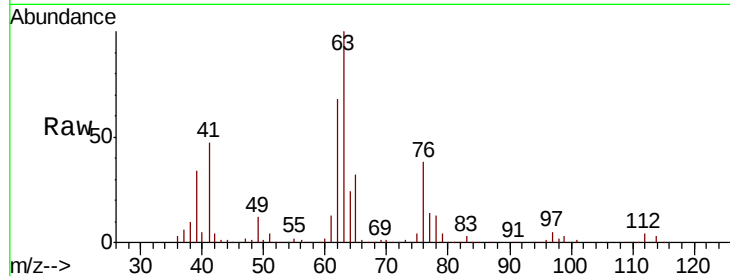
#45
 1,2-Dichloropropane
 Concen: 49.369 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 407482
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.6

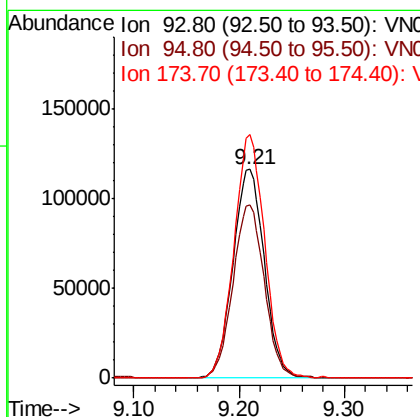
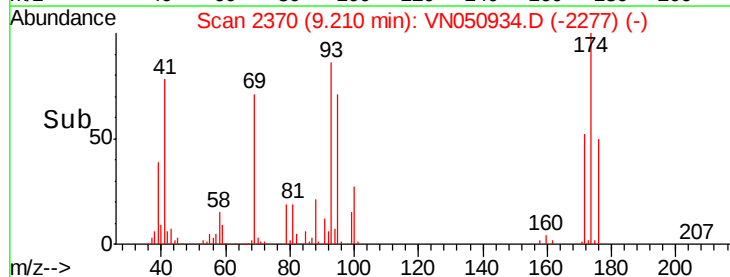
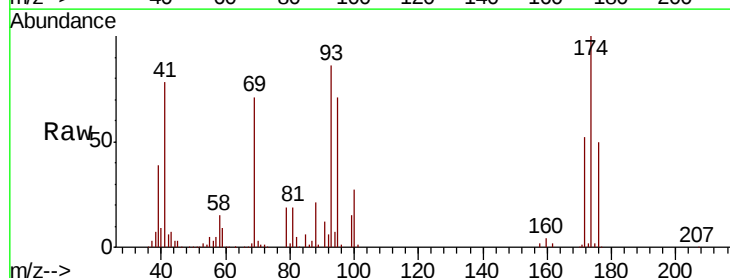
Manual Integrations
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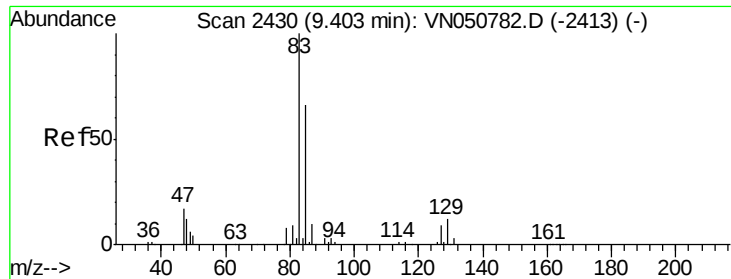
MMDadoda
 8/30/2018 11:07:22 AM



#46
 Dibromomethane
 Concen: 49.644 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Tgt Ion: 93 Resp: 240760
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.7 100.1
 174 113.7 89.8 134.6





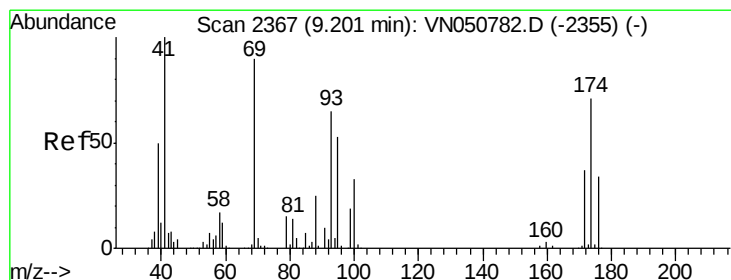
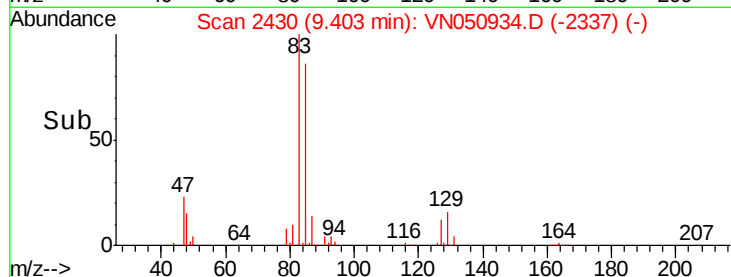
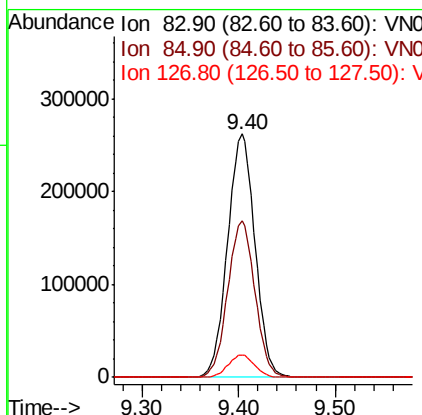
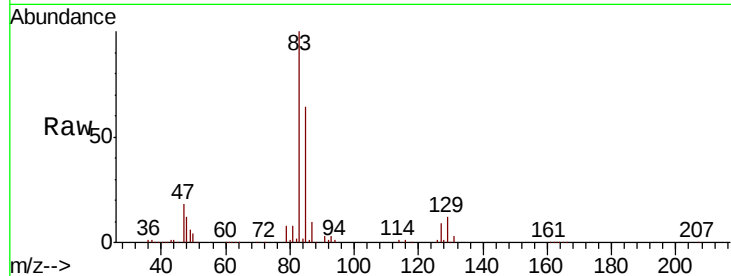
#47
Bromodichloromethane
Concen: 50.810 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	516116		
85	64.4	52.6	78.8	
127	9.3	7.2	10.8	

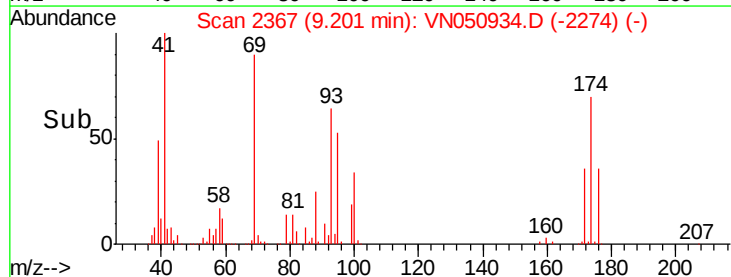
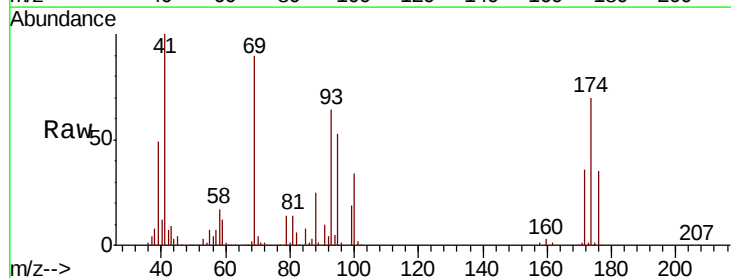
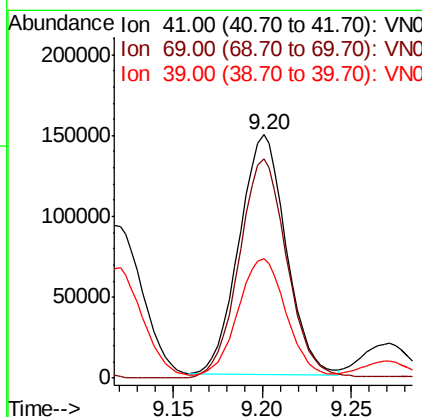
Manual Integrations
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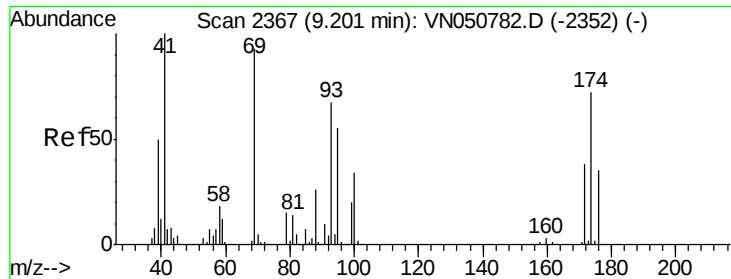
MMDadoda
8/30/2018 11:07:22 AM



#48
Methyl methacrylate
Concen: 52.025 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	272723		
69	94.3	74.7	112.1	
39	51.7	42.2	63.2	





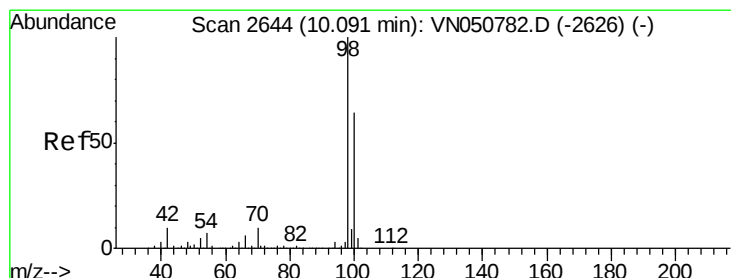
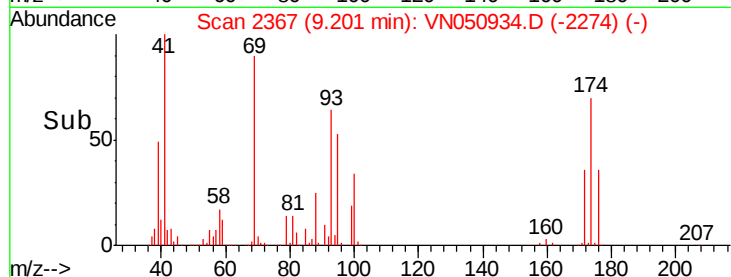
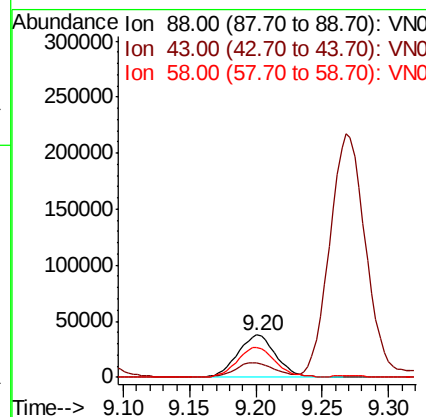
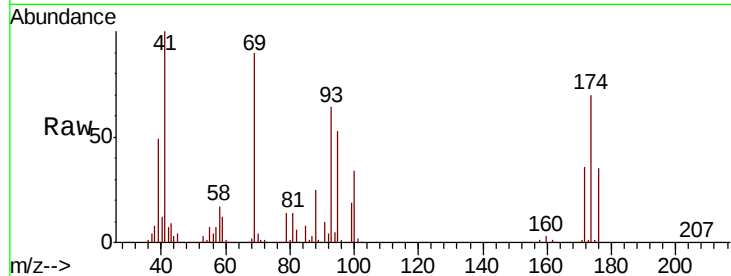
#49
1,4-Dioxane
Concen: 1069.231 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	76410
Ion	Ratio	Lower	Upper
88	100		
43	33.4	25.9	38.9
58	70.1	55.0	82.4

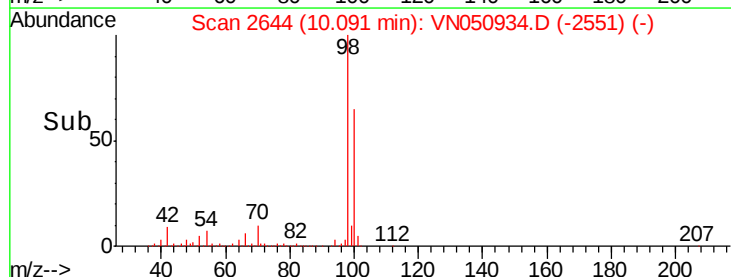
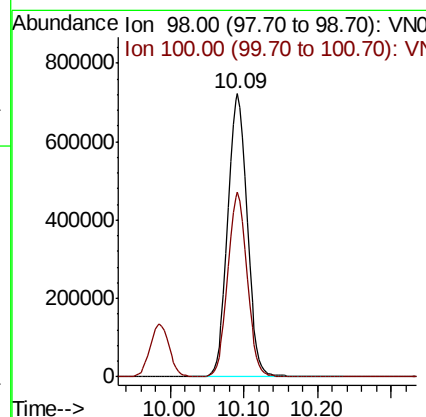
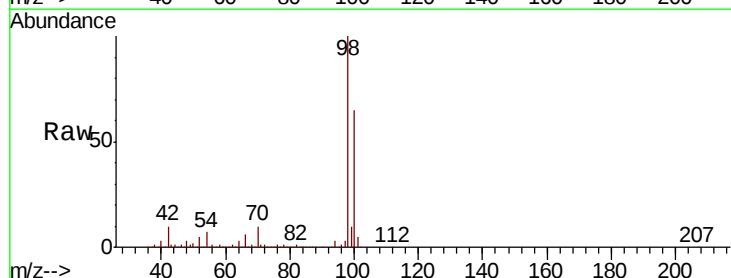
Manual Integrations
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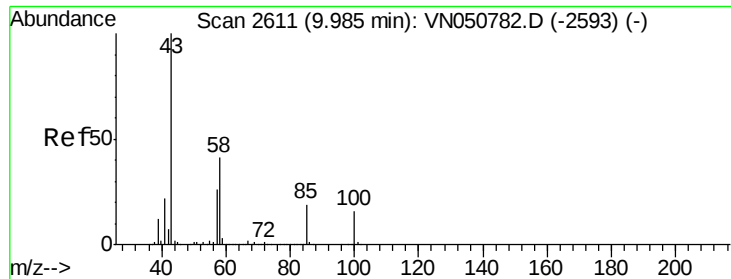
MMDadoda
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#50
Toluene-d8
Concen: 50.857 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion	98	Resp	1335018
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.5	77.3





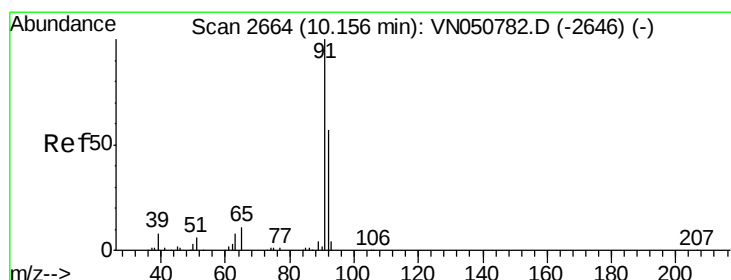
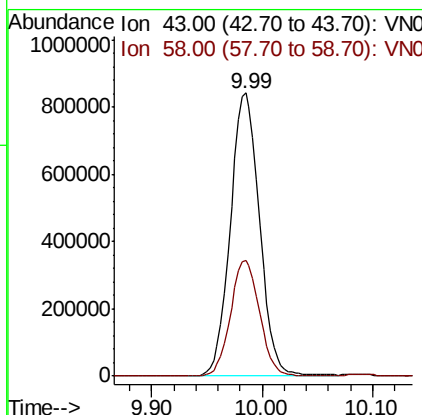
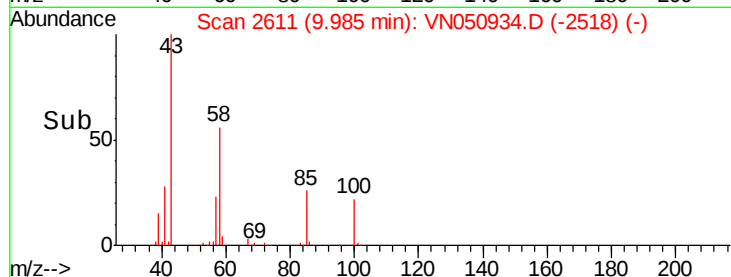
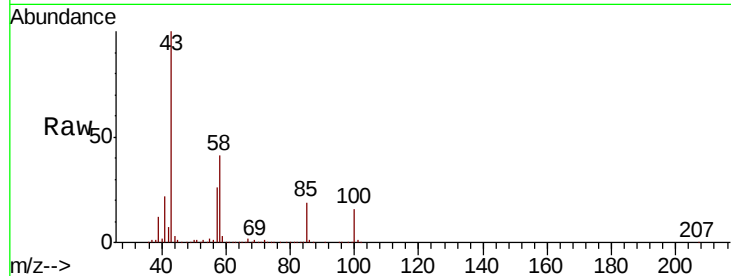
#51
4-Methyl-2-Pentanone
Concen: 251.511 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1543829
Ion Ratio Lower Upper
43 100
58 40.7 32.4 48.6

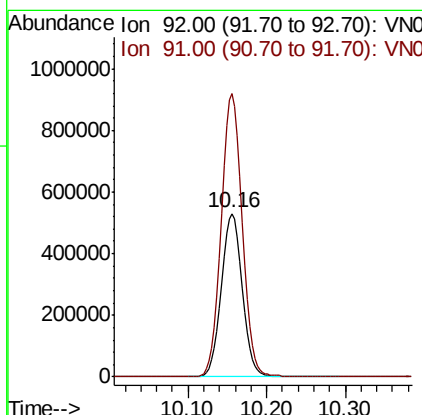
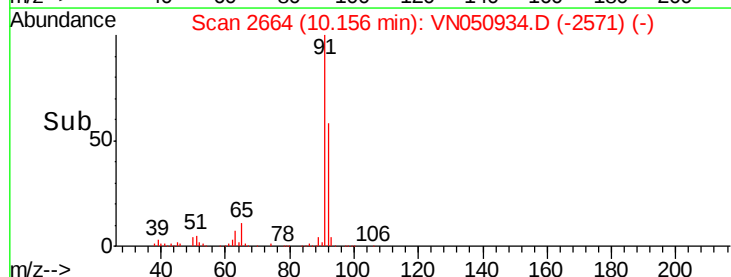
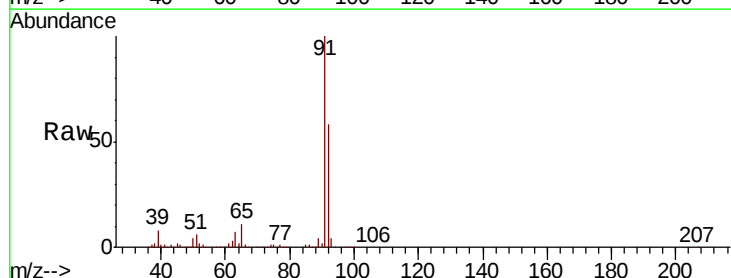
Manual Integrations
APPROVED

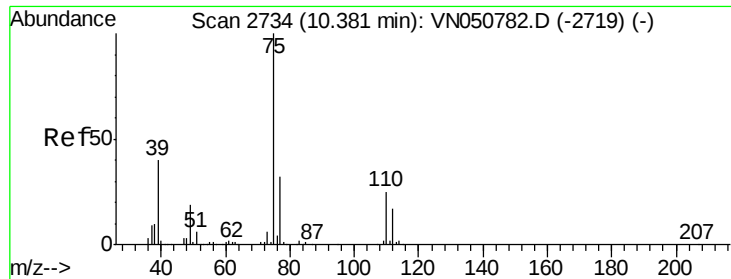
MMDadoda
8/30/2018 11:07:22 AM



#52
Toluene
Concen: 52.201 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion: 92 Resp: 971147
Ion Ratio Lower Upper
92 100
91 173.8 140.6 211.0





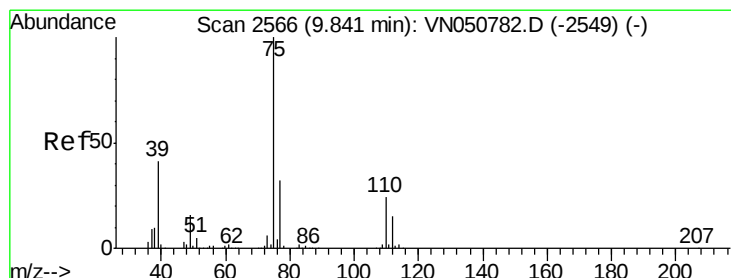
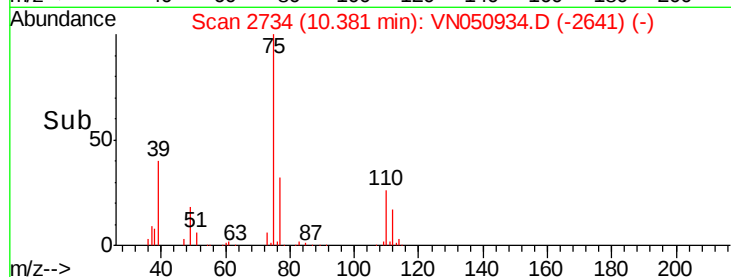
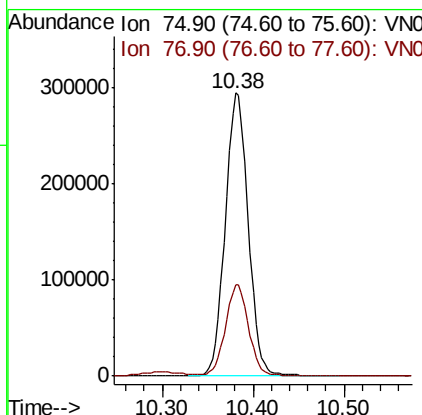
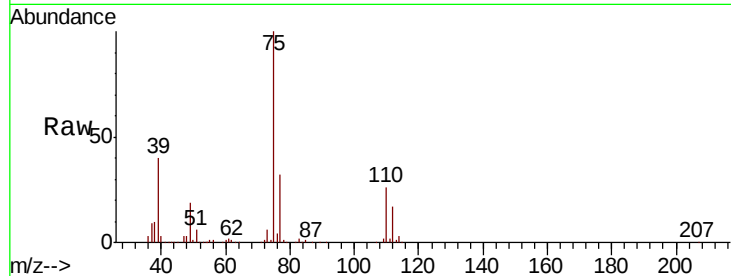
#53
t-1,3-Dichloropropene
Concen: 51.005 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.7	38.5

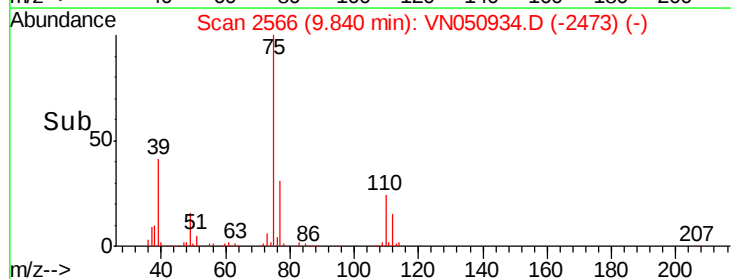
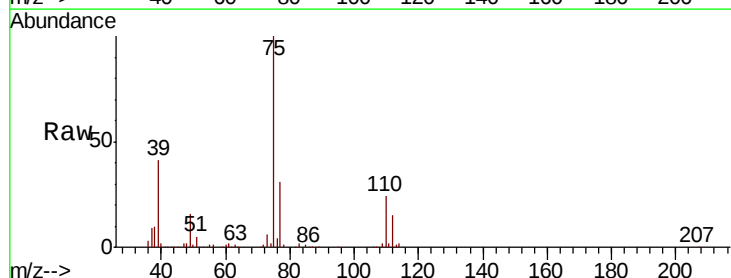
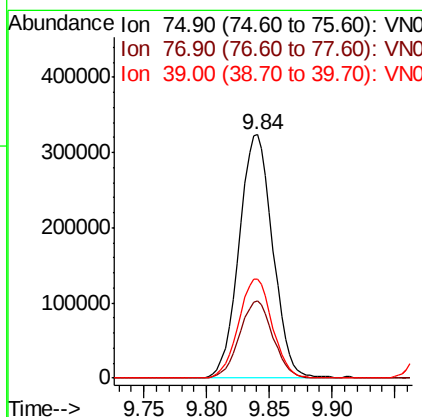
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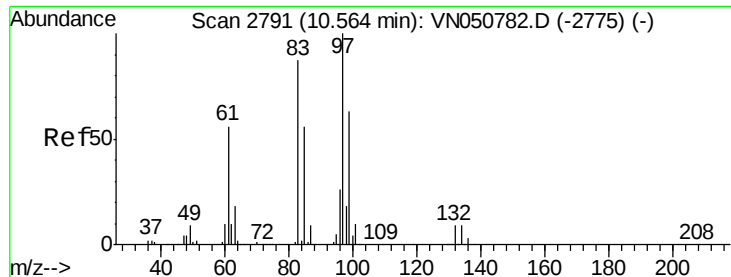
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#54
cis-1,3-Dichloropropene
Concen: 52.156 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2
39	40.6	33.0	49.4





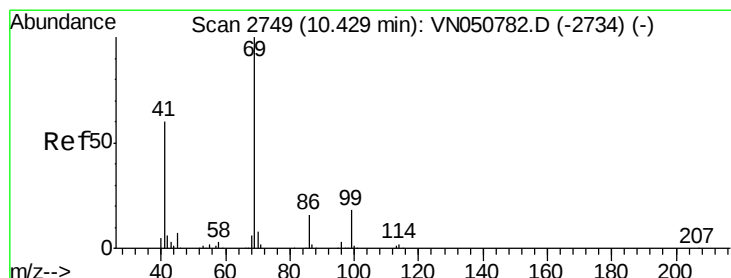
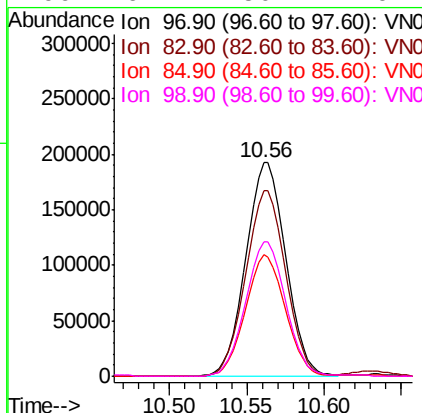
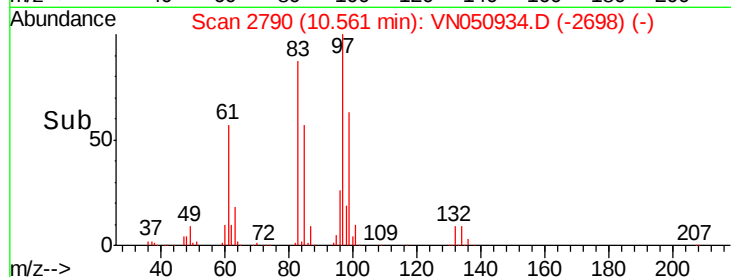
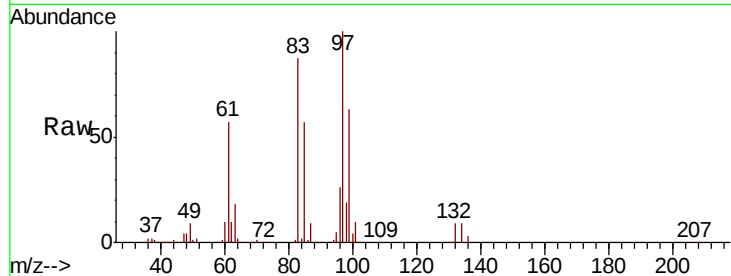
#55
 1,1,2-Trichloroethane
 Concen: 50.141 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		346222		
83	86.8	69.7	104.5		
85	56.7	44.5	66.7		
99	62.7	50.7	76.1		

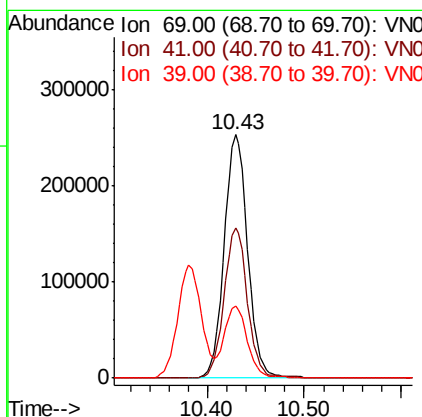
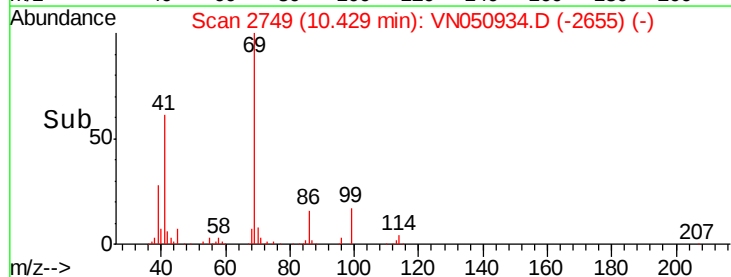
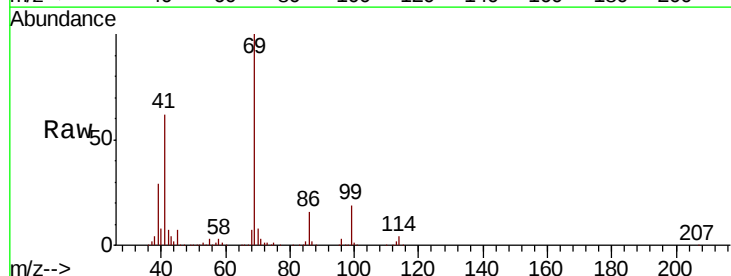
Manual Integrations
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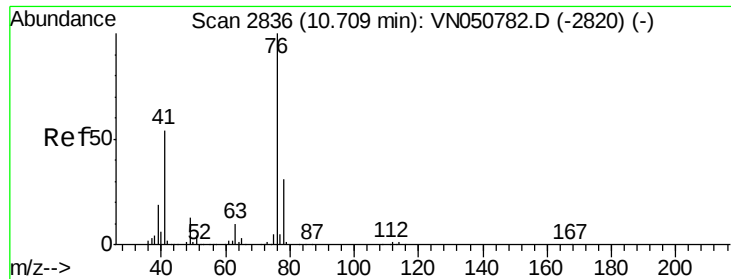
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#56
 Ethyl methacrylate
 Concen: 47.657 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		427038		
41	60.2	48.3	72.5		
39	29.4	24.0	36.0		





#57

1,3-Dichloropropane

Concen: 50.697 ug/l

RT: 10.71 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 577804

Ion Ratio Lower Upper

76 100

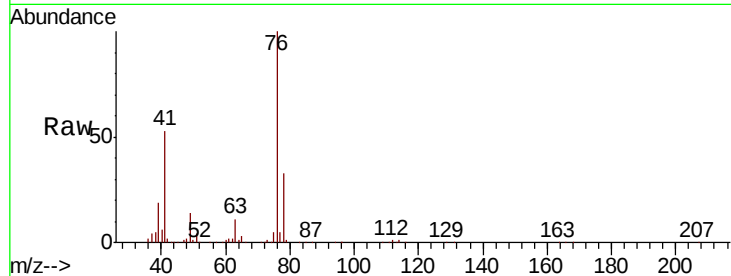
78 32.6 25.5 38.3

Manual Integrations

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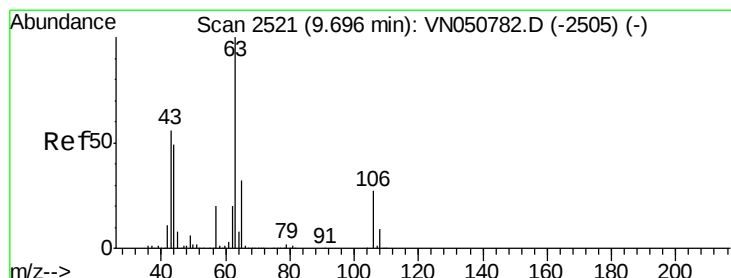
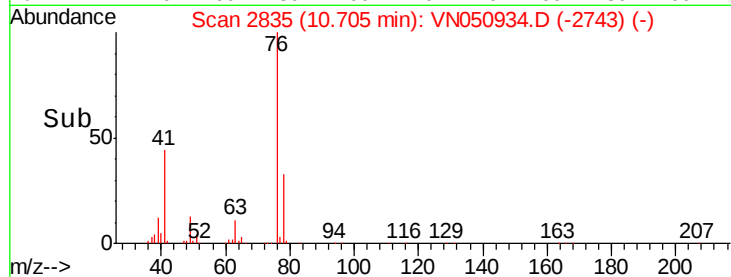
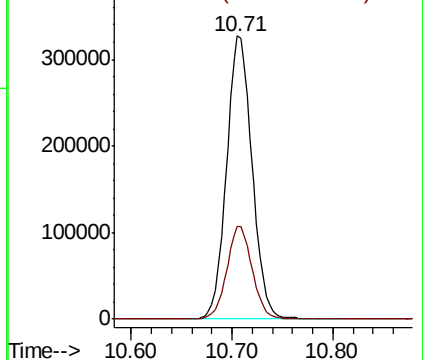
MMDadoda

8/30/2018 11:07:22 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 233.074 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050934.D

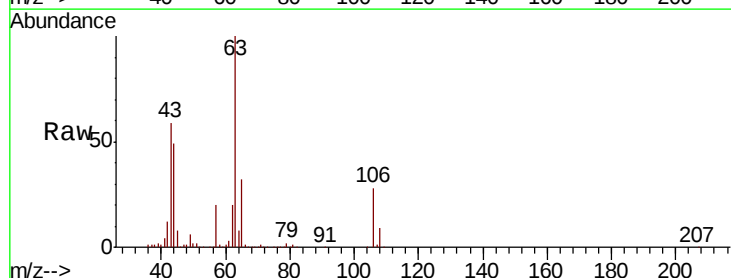
Acq: 29 Aug 2018 8:06

Tgt Ion: 63 Resp: 910126

Ion Ratio Lower Upper

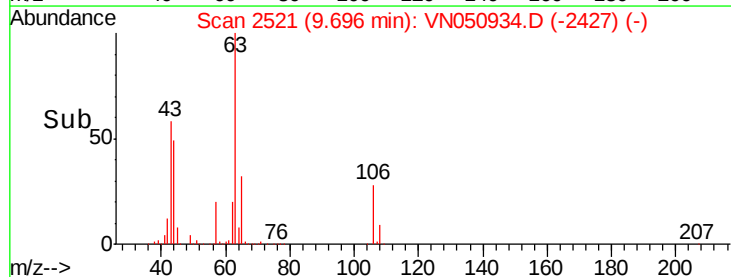
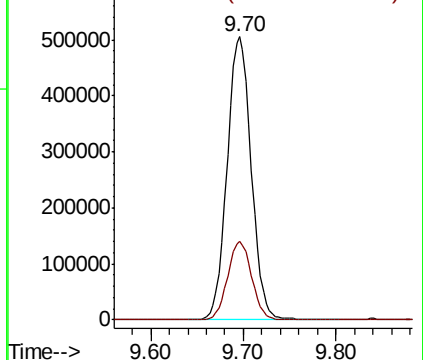
63 100

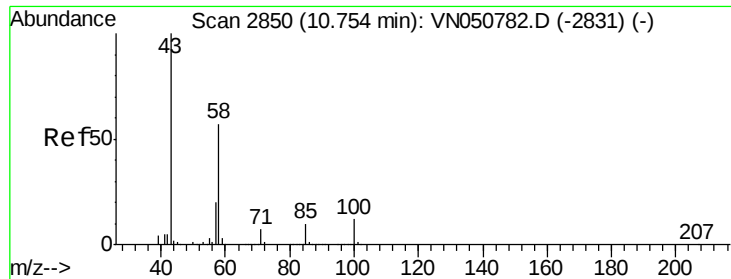
106 27.7 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





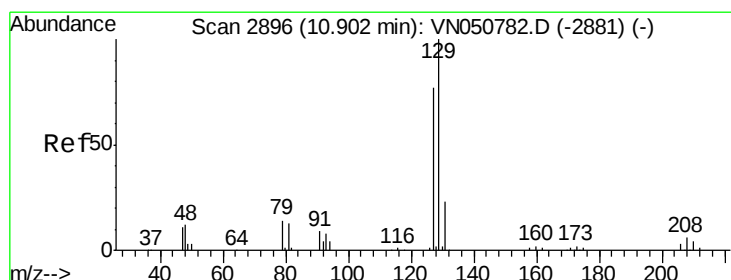
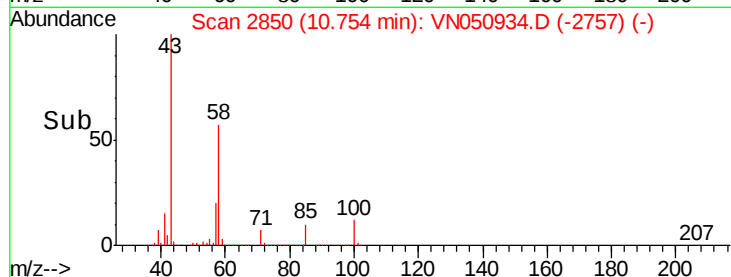
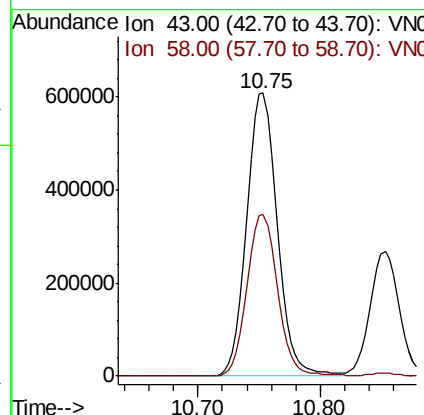
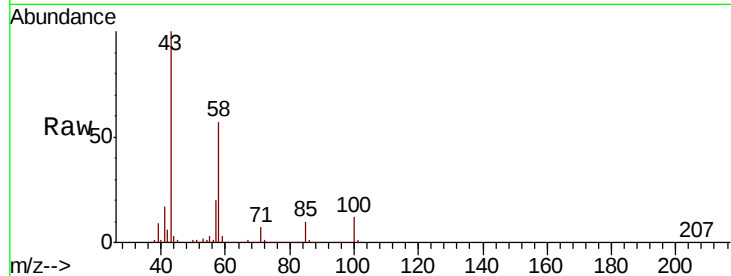
#59
2-Hexanone
Concen: 256.581 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1048480
Ion Ratio Lower Upper
43 100
58 57.3 28.3 85.0

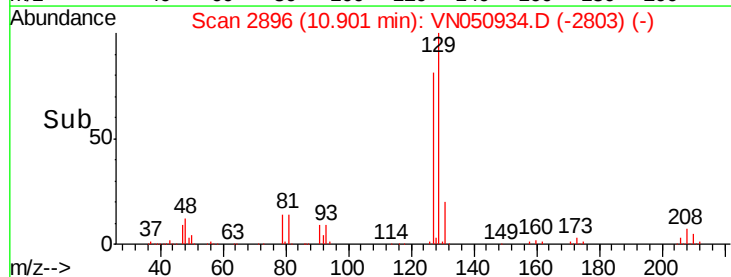
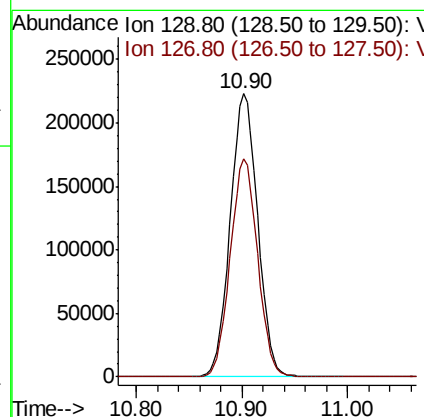
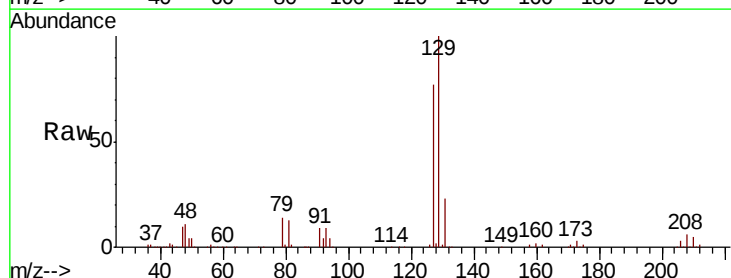
Manual Integrations
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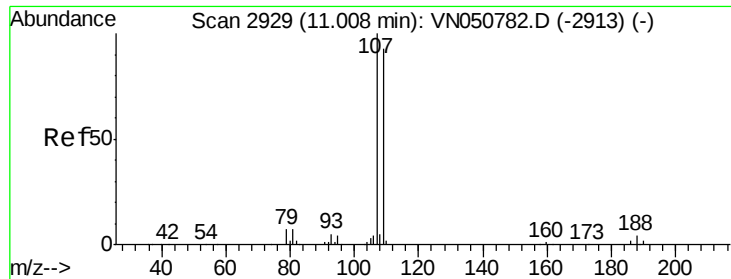
MMDadoda
8/30/2018 11:07:22 AM



#60
Dibromochloromethane
Concen: 51.837 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion: 129 Resp: 400759
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.9





#61

1,2-Dibromoethane

Concen: 51.200 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 341856

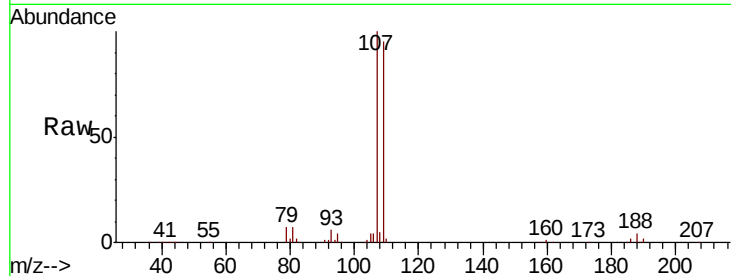
Ion Ratio Lower Upper

107 100

109 93.9 75.4 113.2

Manual Integrations
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8/30/2018 11:07:22 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

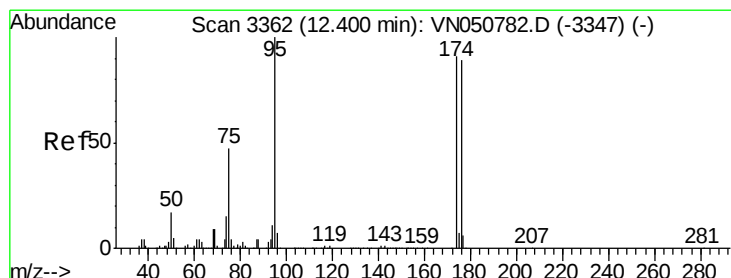
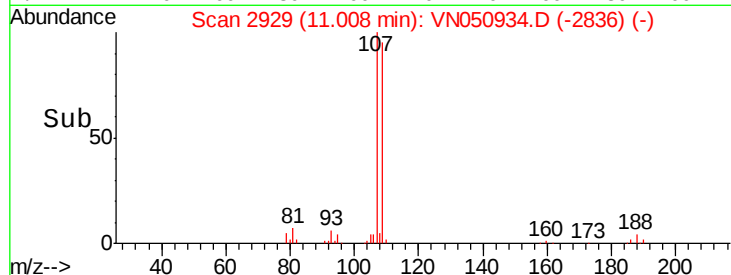
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.714 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

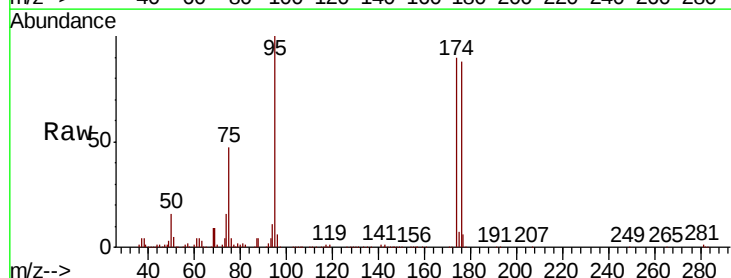
Tgt Ion: 95 Resp: 451108

Ion Ratio Lower Upper

95 100

174 90.6 0.0 183.0

176 88.4 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

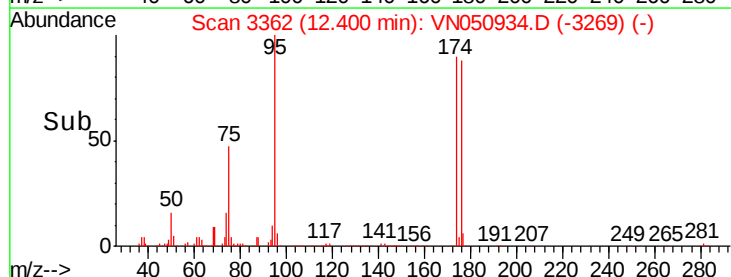
300000

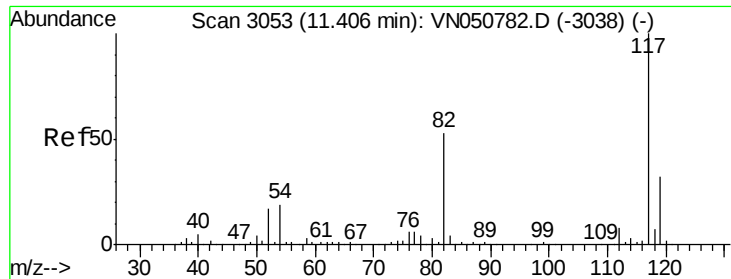
200000

100000

0

Time-->





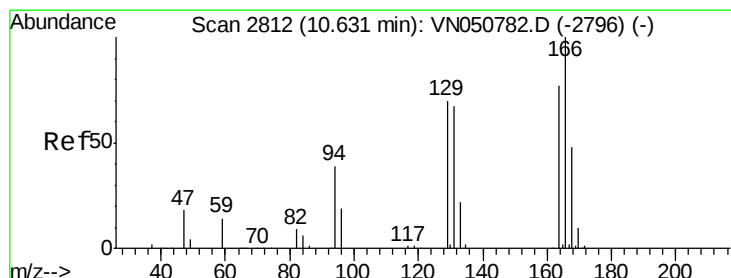
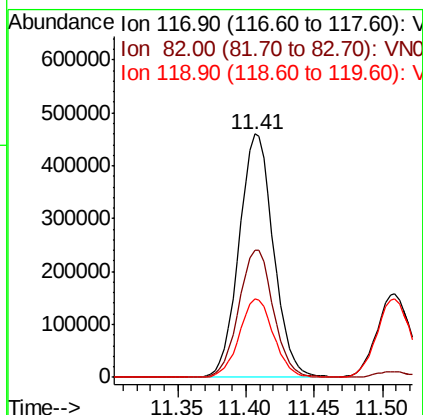
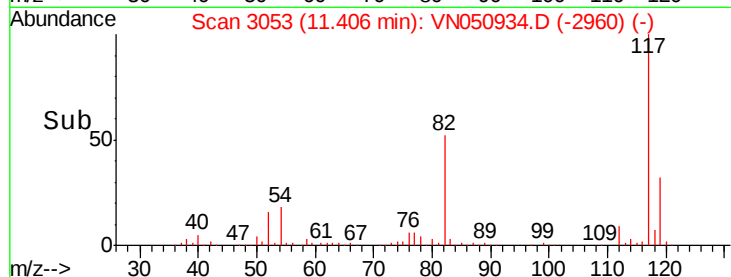
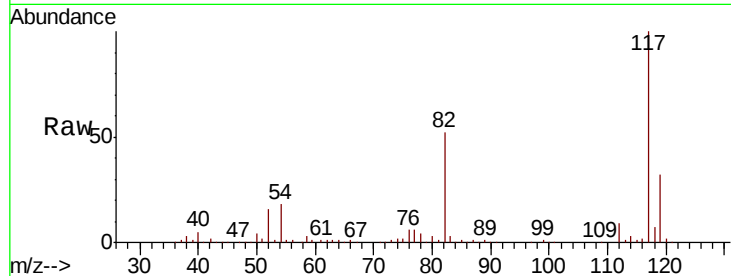
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.6	64.0
119	32.3	25.8	38.6

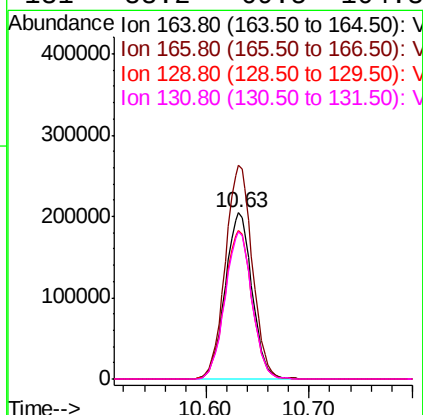
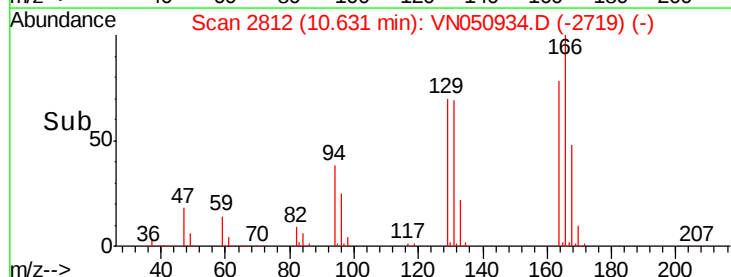
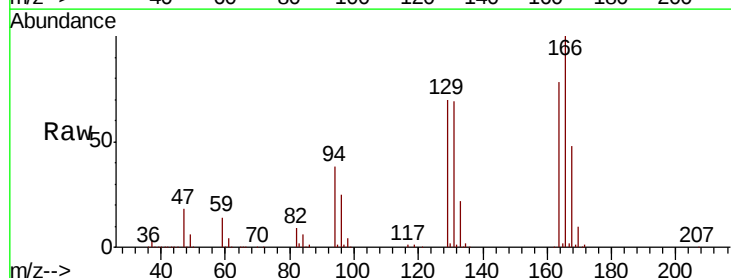
Manual Integrations
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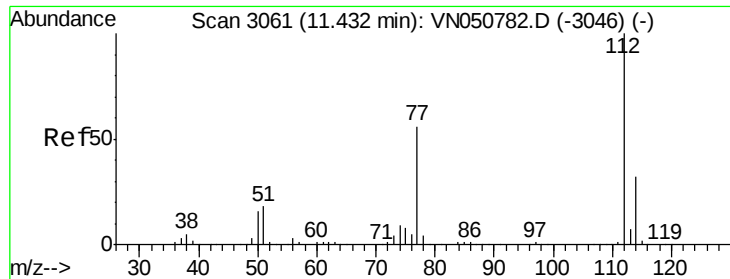
MMDadoda
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#64
Tetrachloroethene
Concen: 48.515 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	103.5	155.3
129	89.6	72.7	109.1
131	88.2	69.5	104.3





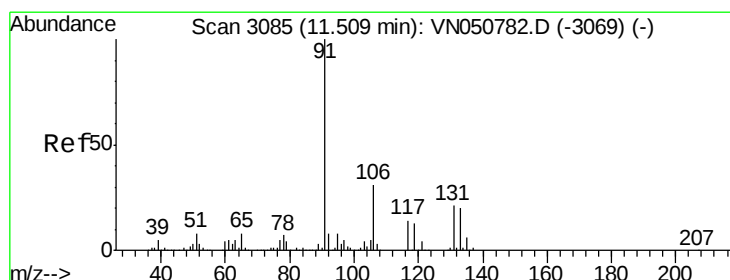
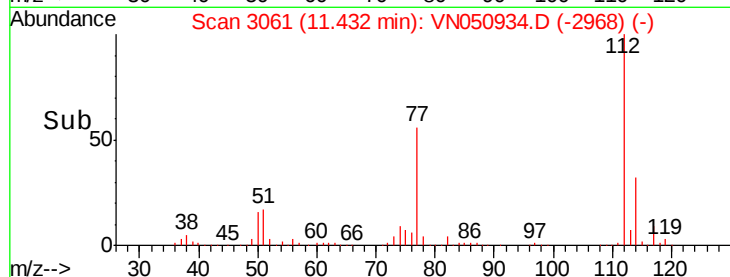
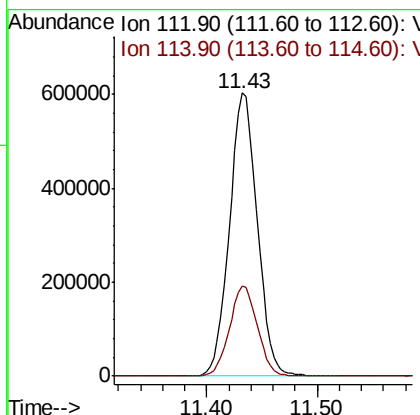
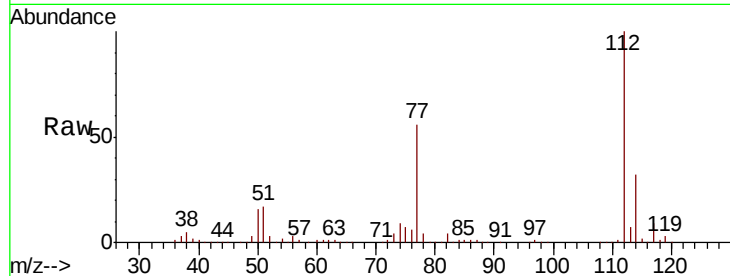
#65
Chlorobenzene
Concen: 50.119 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1055150
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4

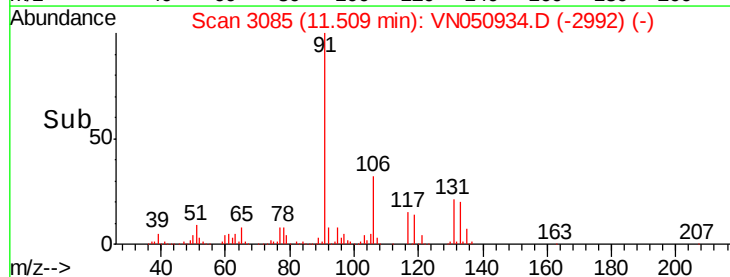
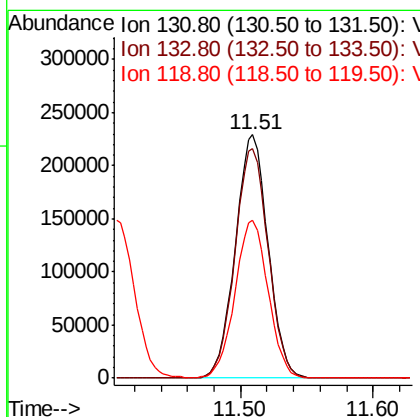
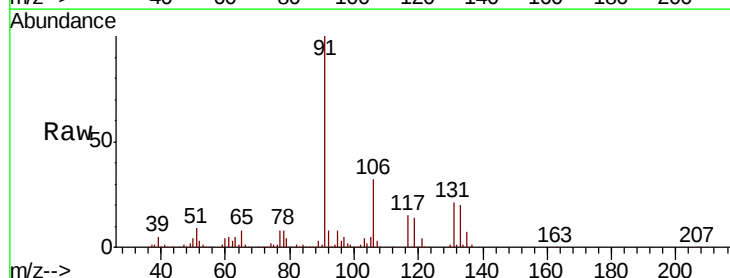
Manual Integrations
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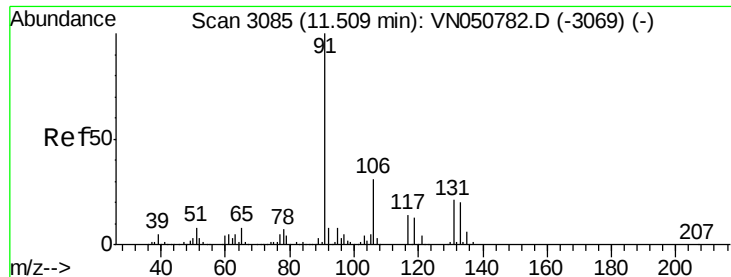
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.943 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion:131 Resp: 392413
Ion Ratio Lower Upper
131 100
133 95.9 47.4 142.3
119 65.8 32.8 98.4





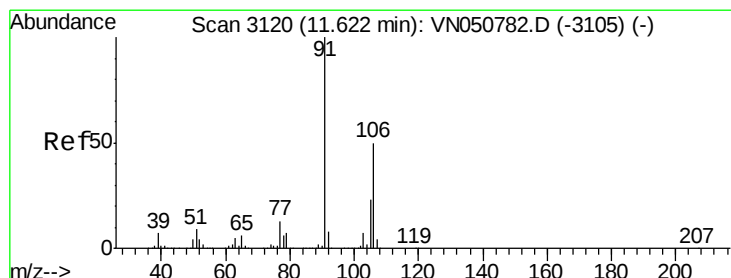
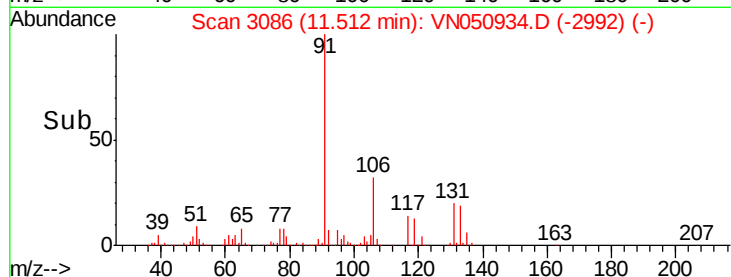
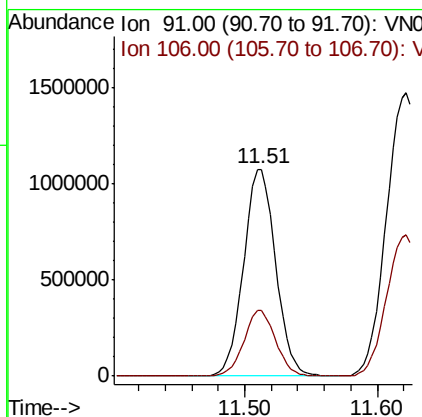
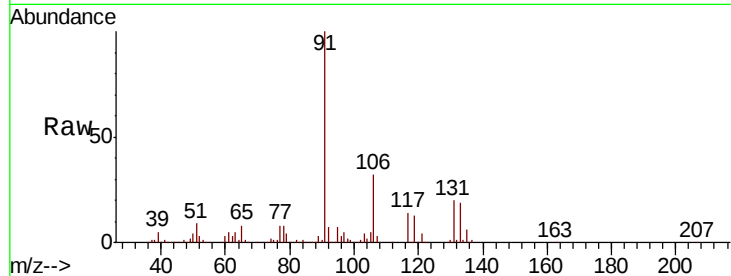
#67
Ethyl Benzene
Concen: 52.780 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1806471
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.4

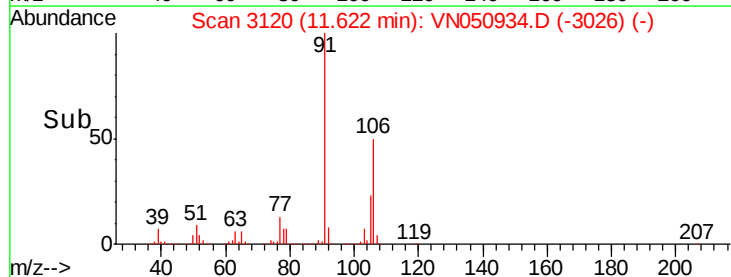
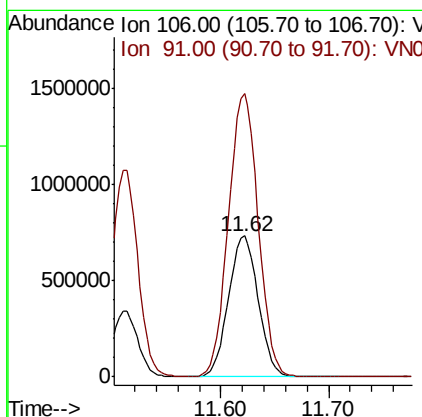
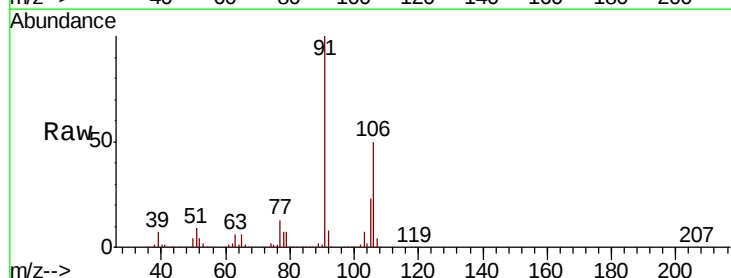
Manual Integrations
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8/30/2018 11:07:22 AM



#68
m/p-Xylenes
Concen: 108.273 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion: 106 Resp: 1406625
Ion Ratio Lower Upper
106 100
91 201.4 161.0 241.6





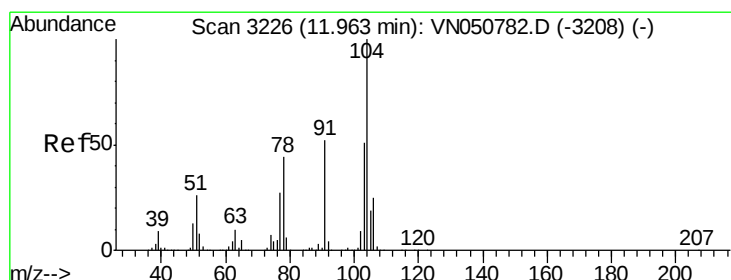
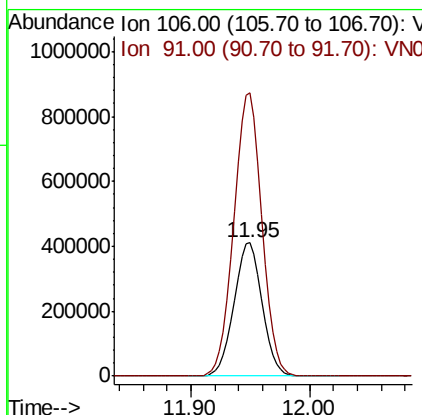
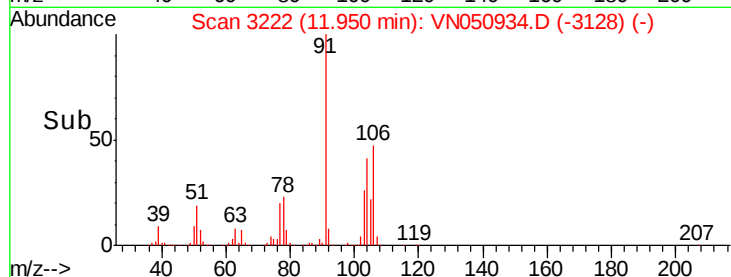
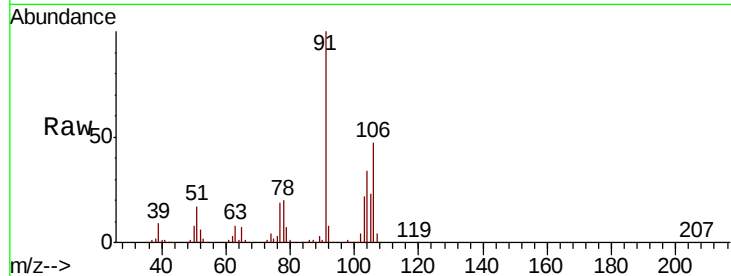
#69
o-Xylene
Concen: 53.985 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.6	106.5	319.5

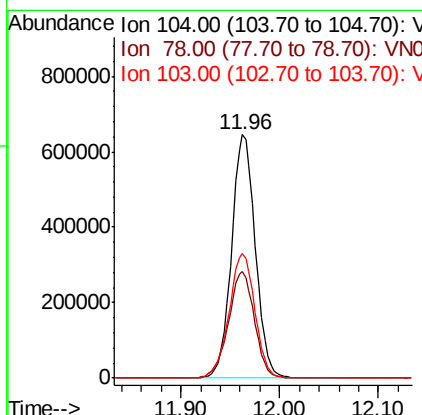
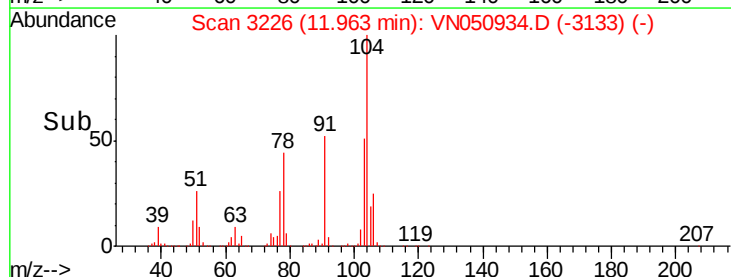
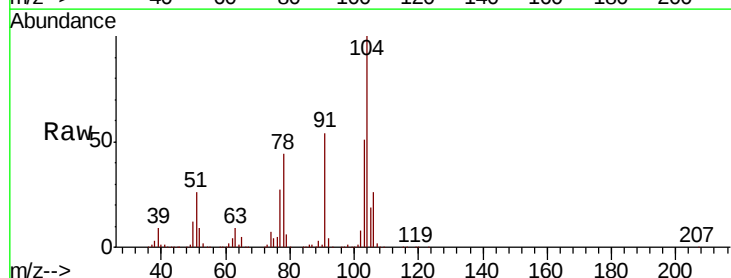
Manual Integrations
APPROVED

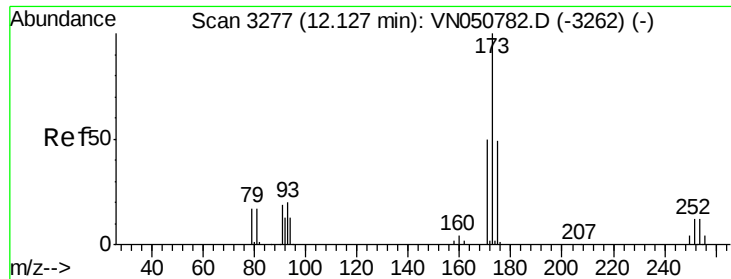
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#70
Styrene
Concen: 49.331 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.2	57.4
103	55.8	44.4	66.6





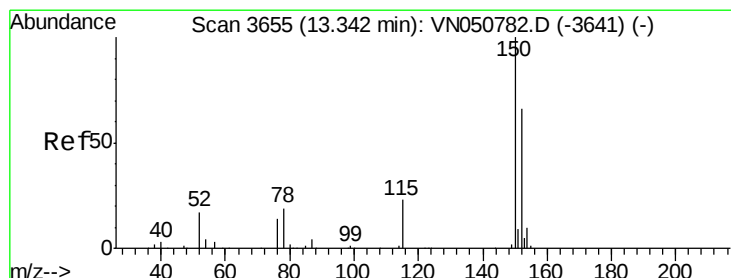
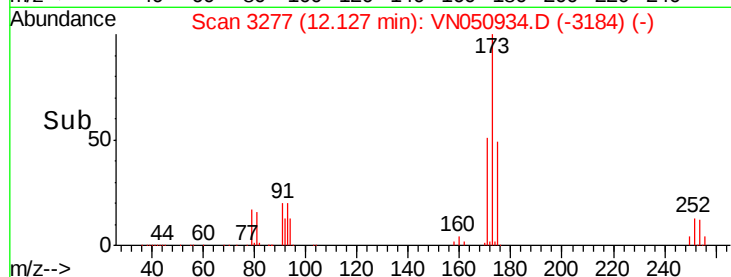
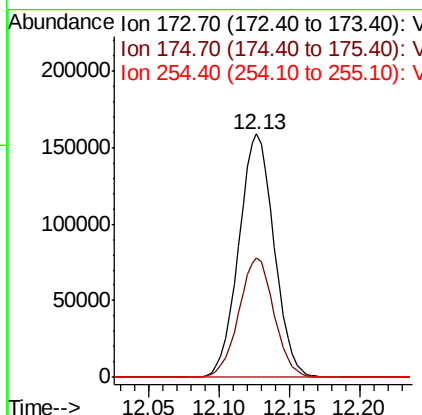
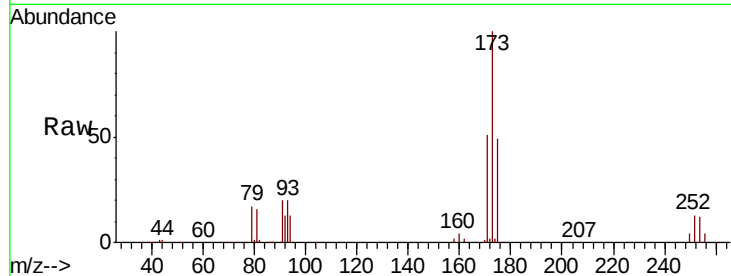
#71
Bromoform
Concen: 52.541 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.4
254	0.1	0.1	0.1

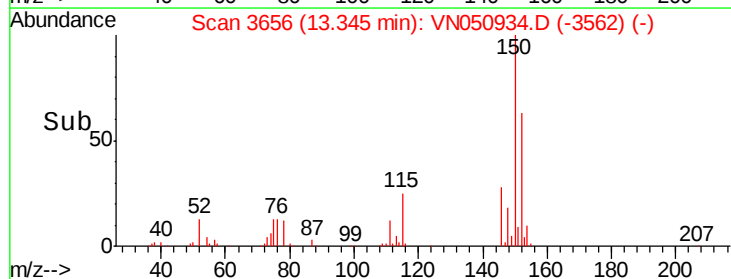
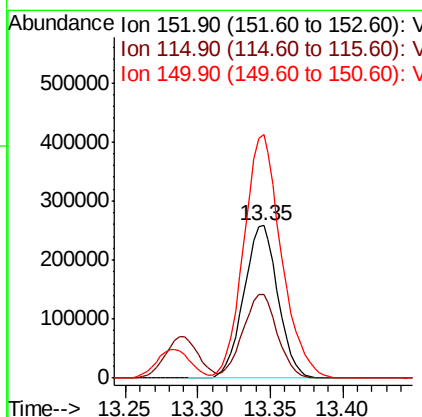
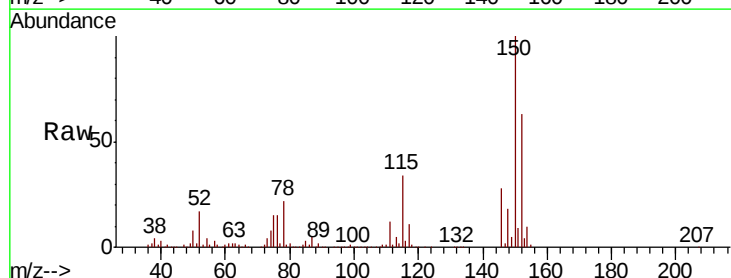
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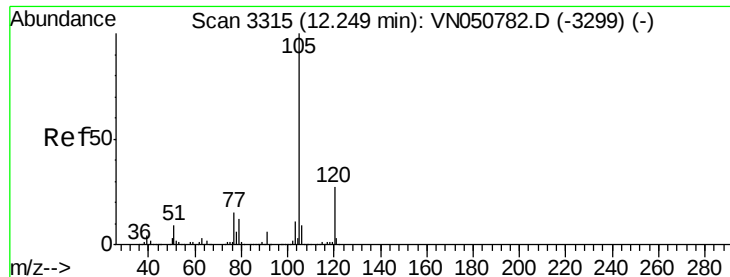
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.8	83.4
150	175.7	0.0	351.4





#73

Isopropylbenzene

Concen: 51.214 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1793448

Ion Ratio Lower Upper

105 100

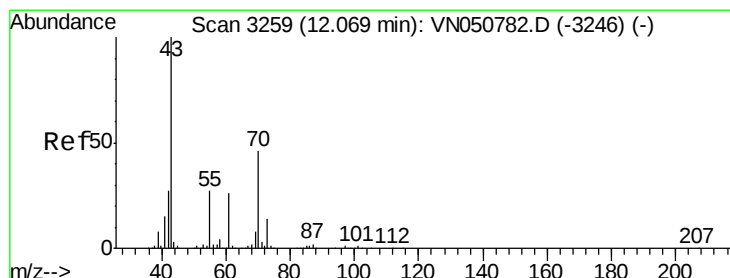
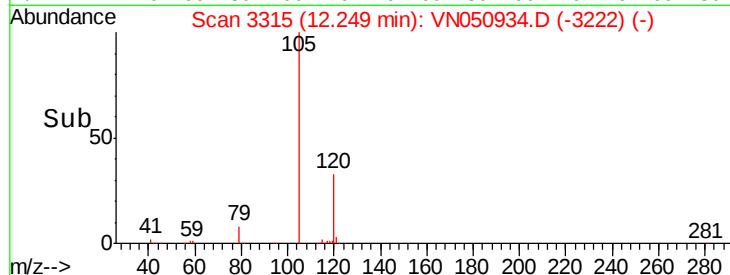
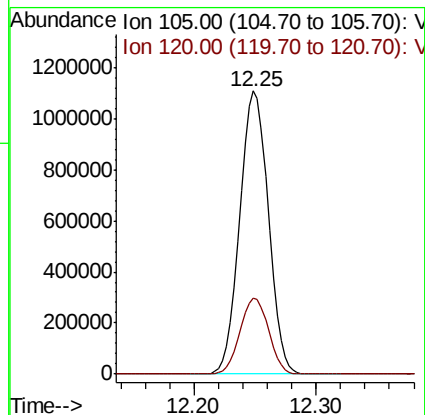
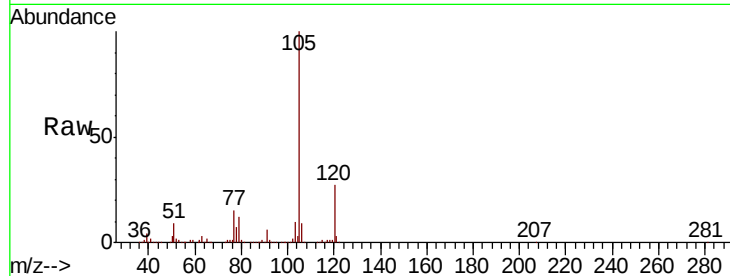
120 26.9 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.063 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Tgt Ion: 43 Resp: 440500

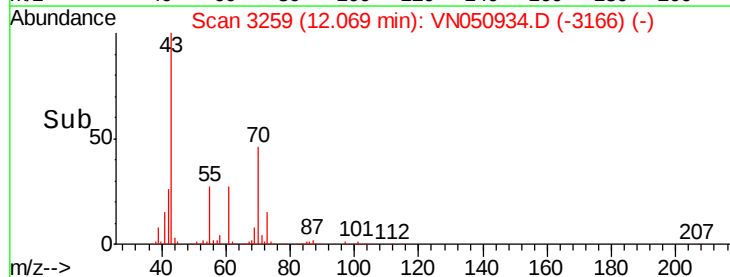
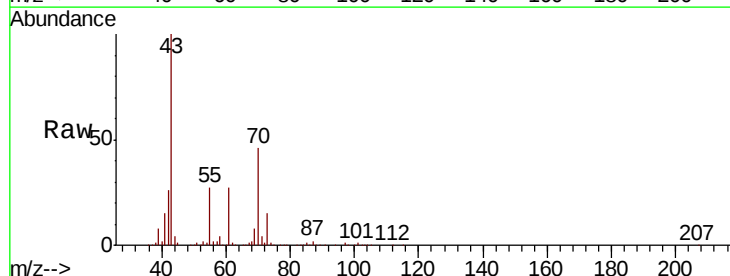
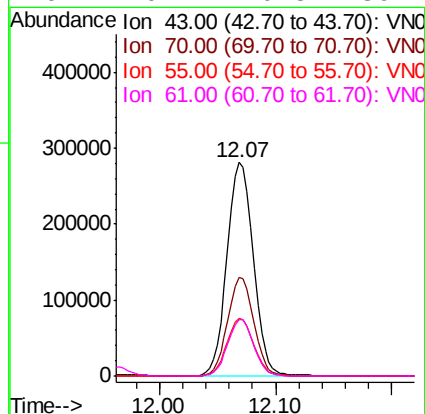
Ion Ratio Lower Upper

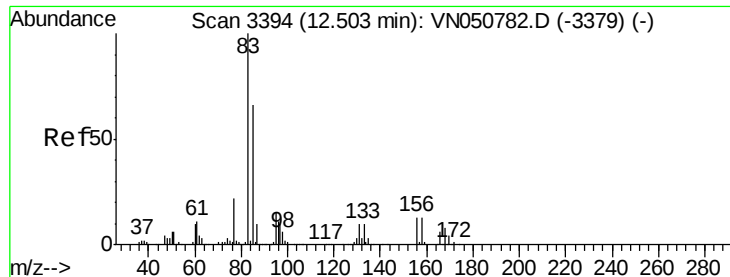
43 100

70 45.7 36.2 54.2

55 27.5 21.8 32.8

61 26.1 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.965 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Instrument :

MSVOA_N

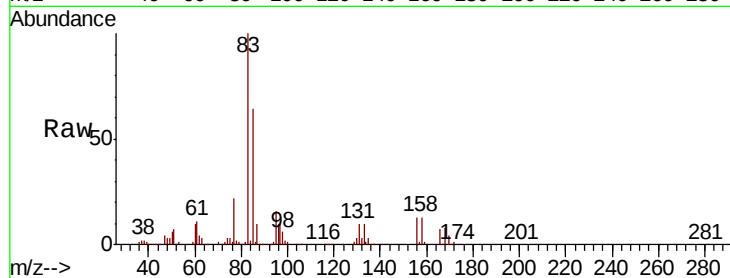
ClientSampleId :

VSTDCCC050

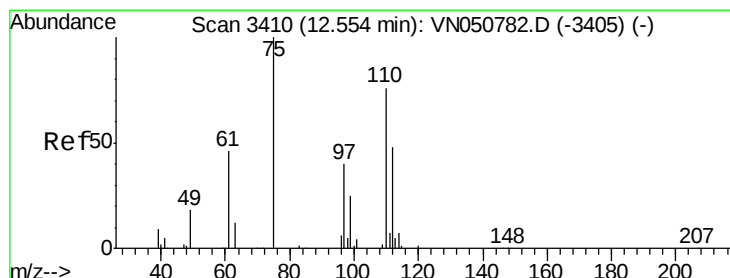
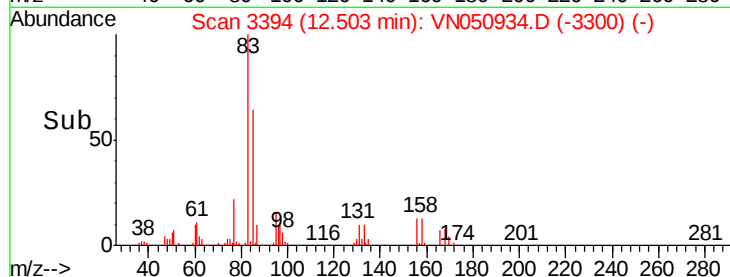
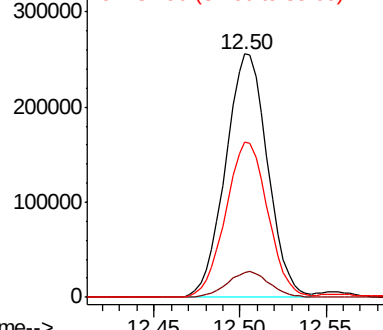
Tot Ion:	83	Resp:	433315
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	64.2	31.9	95.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050782.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 43.683 ug/l m

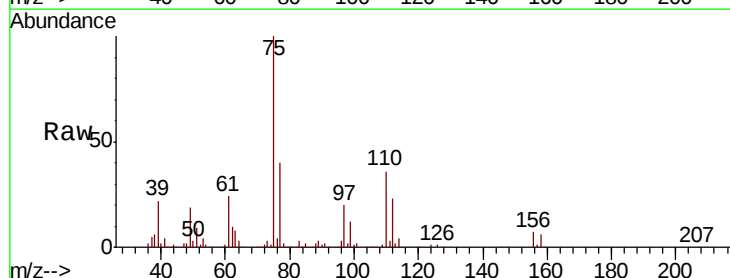
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

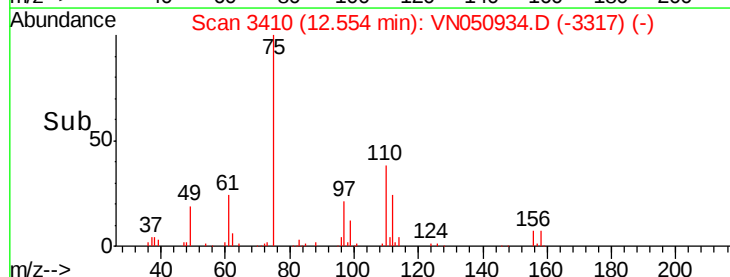
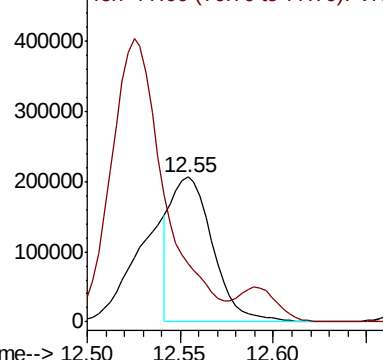
Lab File: VN050934.D

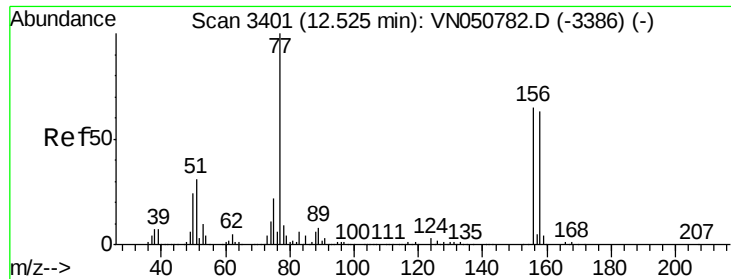
Acq: 29 Aug 2018 8:06

Tgt Ion:	75	Resp:	323573
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050782.D (-3405) (-)





#77

Bromobenzene

Concen: 47.917 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 456043

Ion Ratio Lower Upper

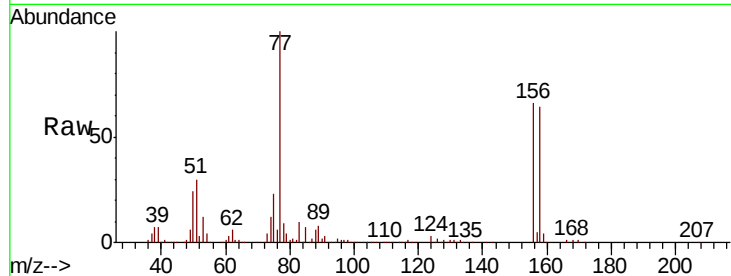
156 100

77 177.0 89.9 269.7

158 97.4 49.3 147.9

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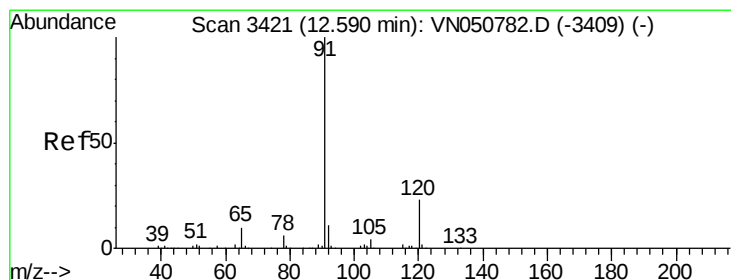
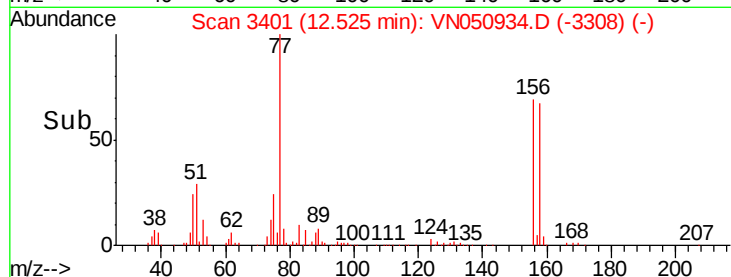
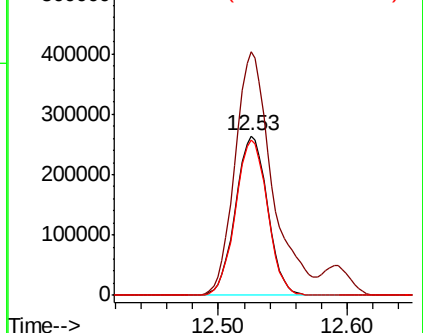
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.589 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050934.D

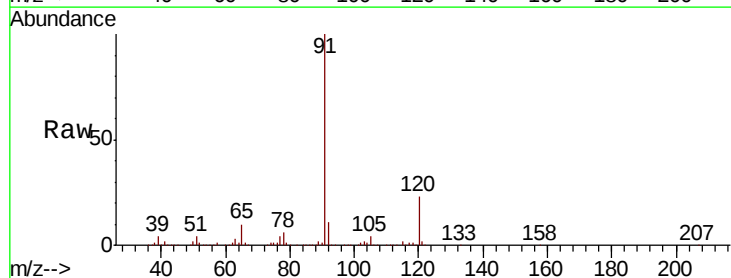
Acq: 29 Aug 2018 8:06

Tgt Ion: 91 Resp: 2057282

Ion Ratio Lower Upper

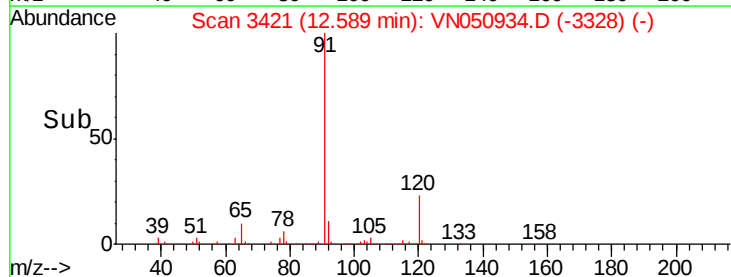
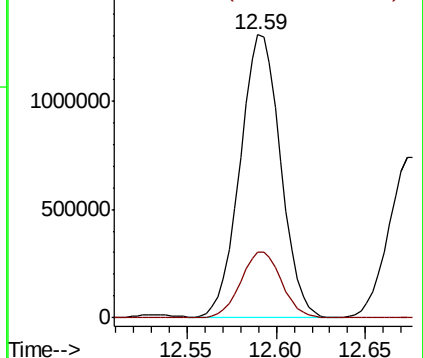
91 100

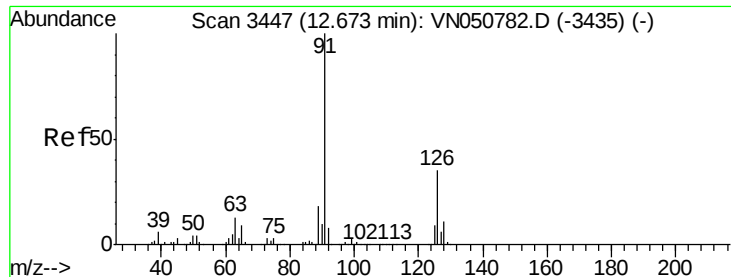
120 23.5 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.482 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1205745

Ion Ratio Lower Upper

91 100

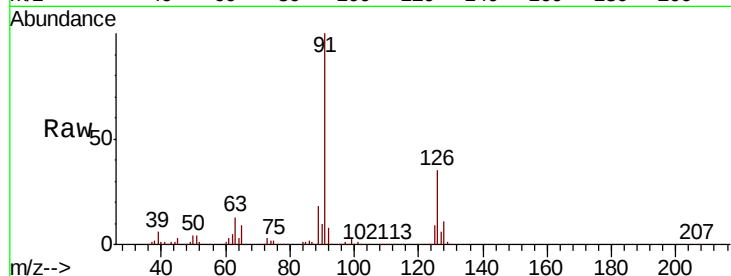
126 35.9 17.8 53.3

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Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050782.D (-3435) (-)

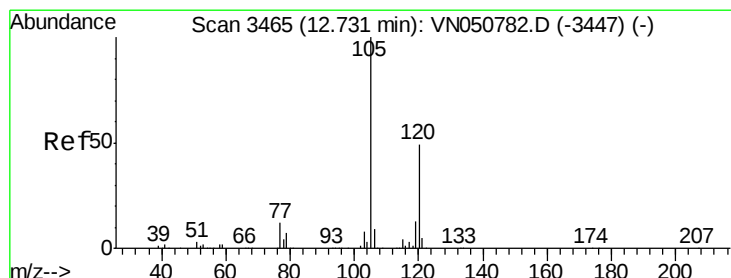
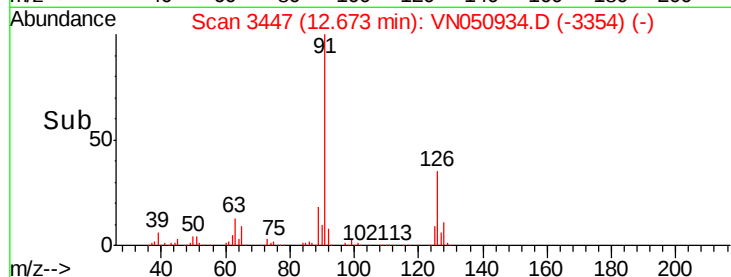
1000000

500000

0

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.268 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050934.D

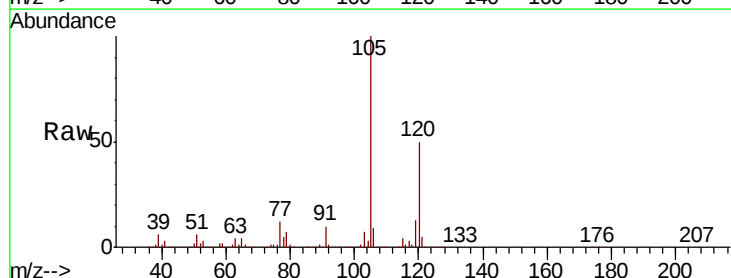
Acq: 29 Aug 2018 8:06

Tgt Ion:105 Resp: 1476897

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN050782.D (-3447) (-)

Ion 120.00 (119.70 to 120.70): VN050782.D (-3447) (-)

1000000

800000

600000

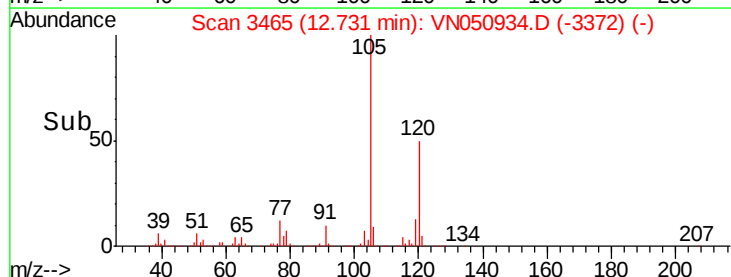
400000

200000

0

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 51.363 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Instrument :

MSVOA_N

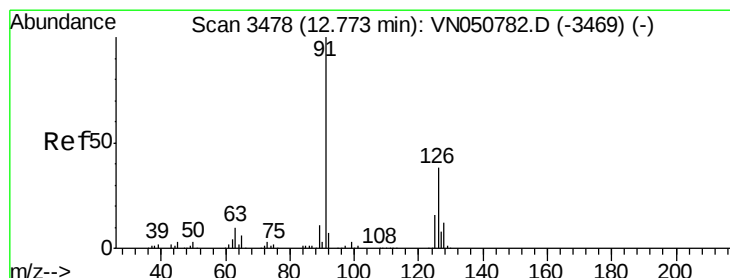
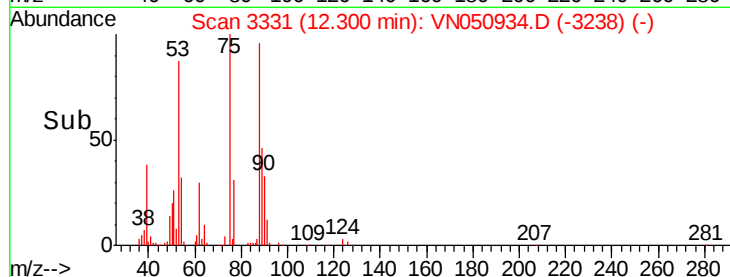
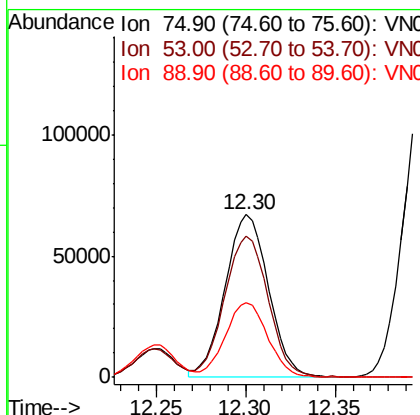
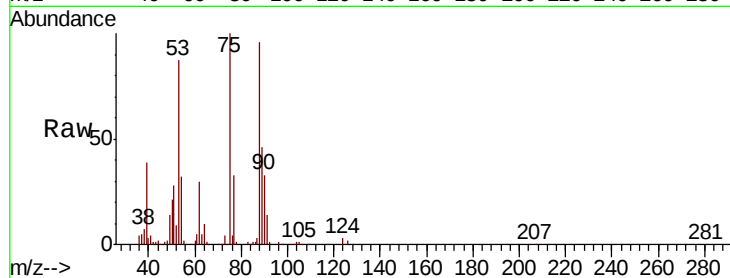
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	112544
Ion	Ratio	Lower	Upper
75	100		
53	88.6	68.9	103.3
89	45.4	36.1	54.1

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#82

4-Chlorotoluene

Concen: 50.933 ug/l

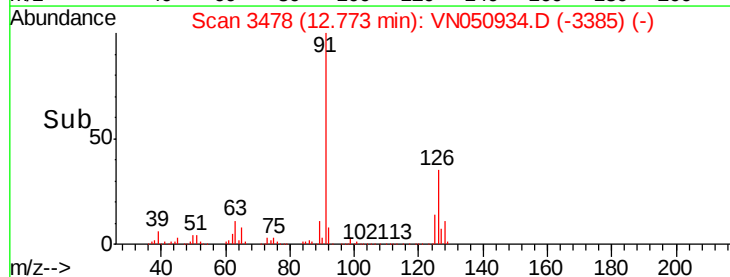
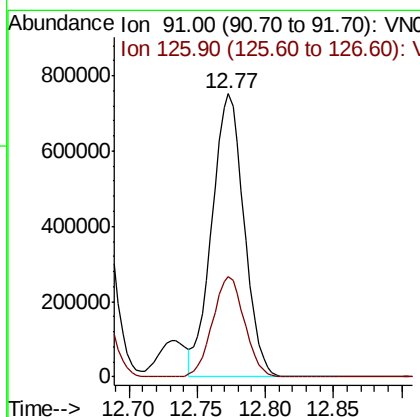
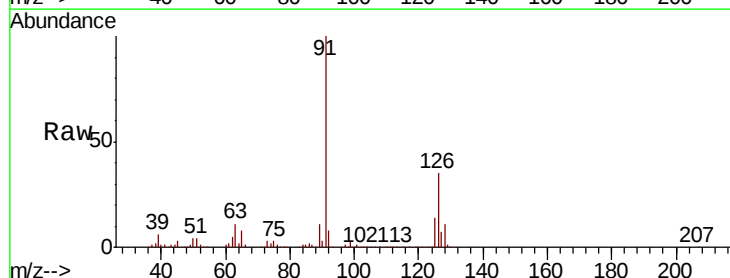
RT: 12.77 min Scan# 3478

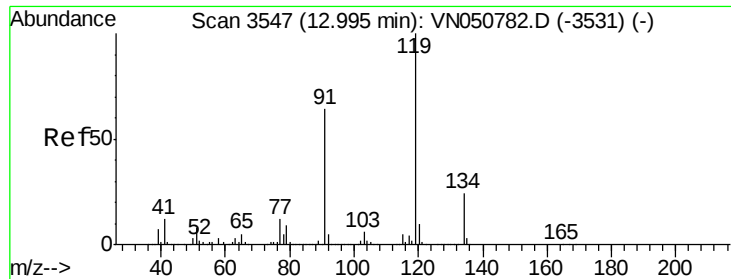
Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Tgt Ion:	91	Resp:	1225237
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.5





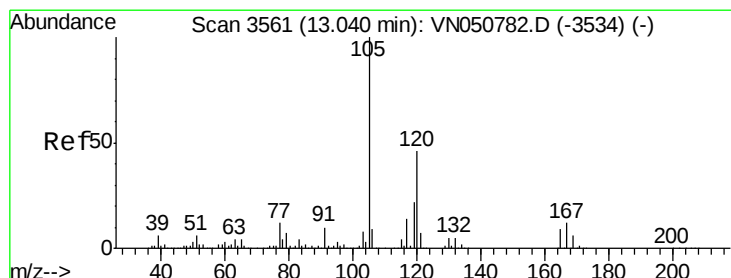
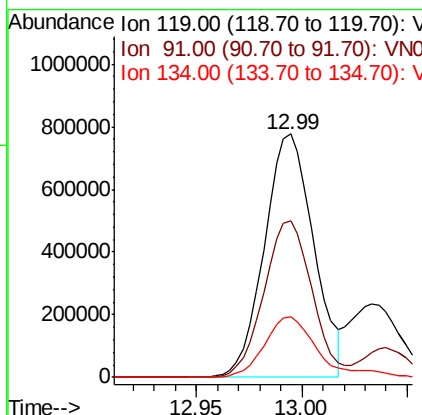
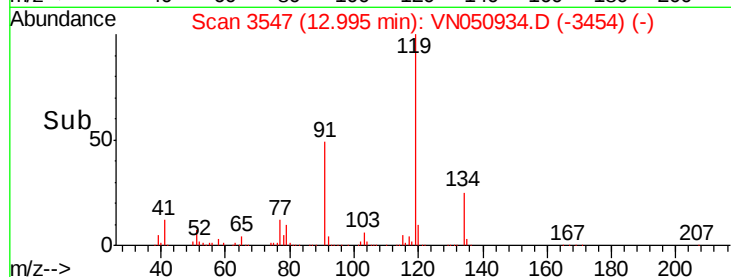
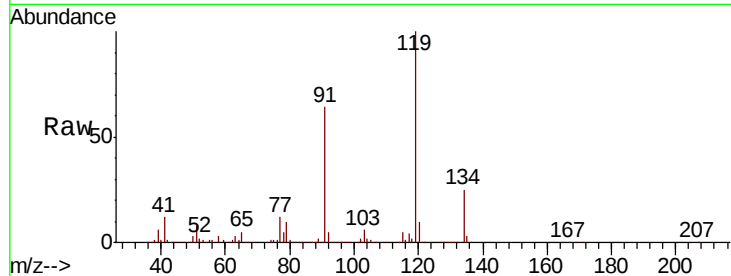
#83
 tert-Butylbenzene
 Concen: 51.632 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1263509
 Ion Ratio Lower Upper
 119 100
 91 62.7 31.6 94.7
 134 27.0 13.4 40.1

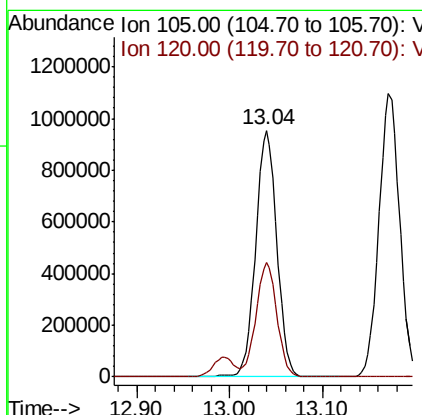
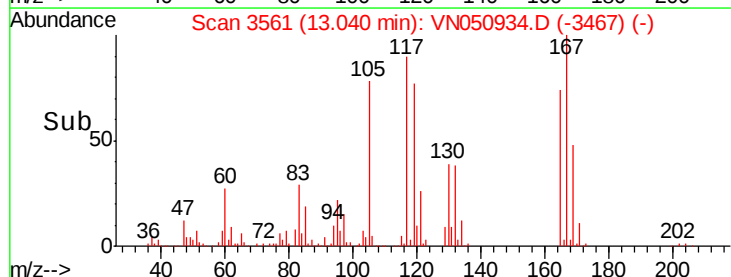
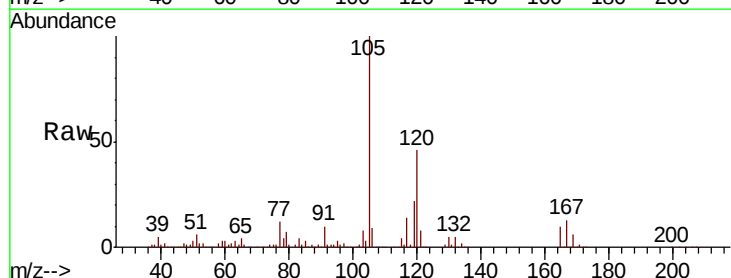
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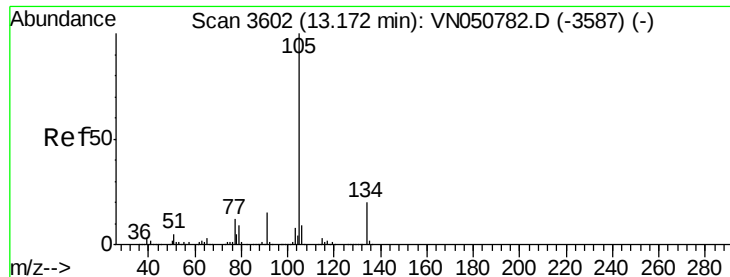
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.963 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Tgt Ion:105 Resp: 1505374
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.8





#85

sec-Butylbenzene

Concen: 52.845 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1694555

Ion Ratio Lower Upper

105 100

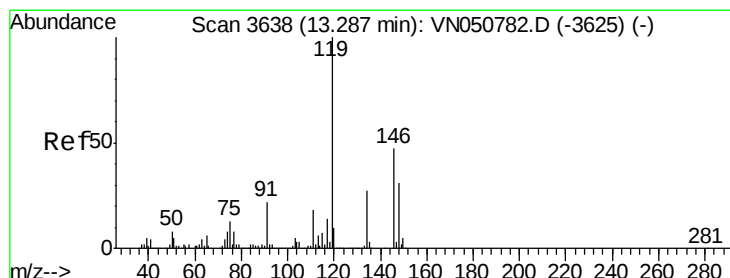
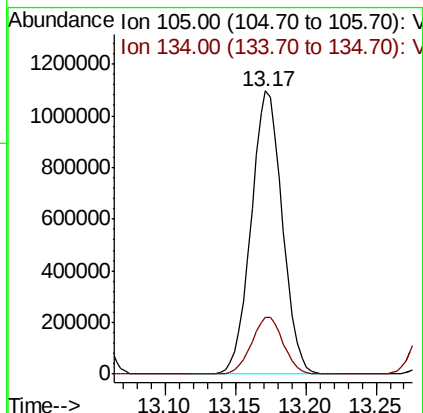
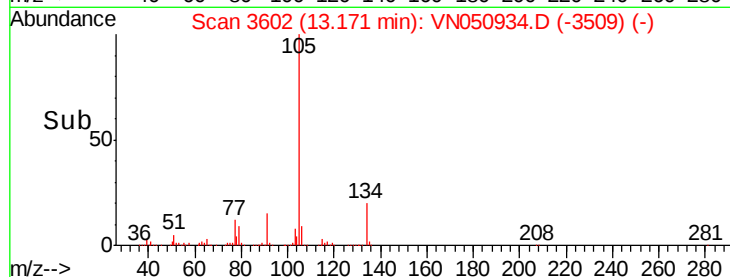
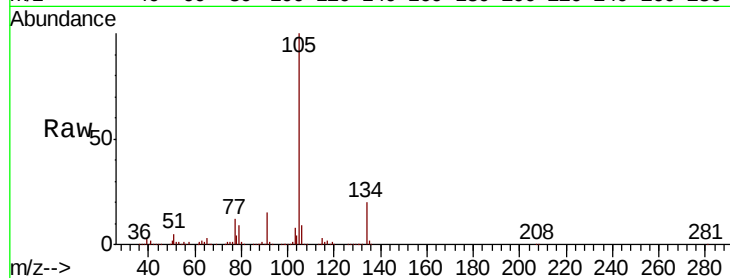
134 20.5 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 54.884 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050934.D

Acq: 29 Aug 2018 8:06

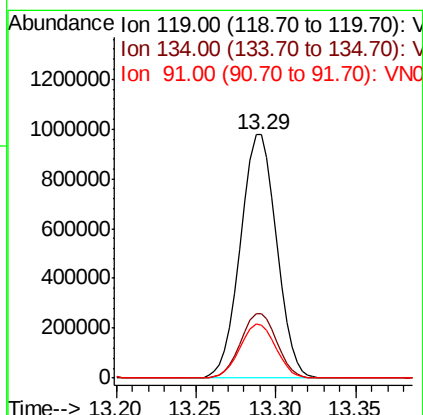
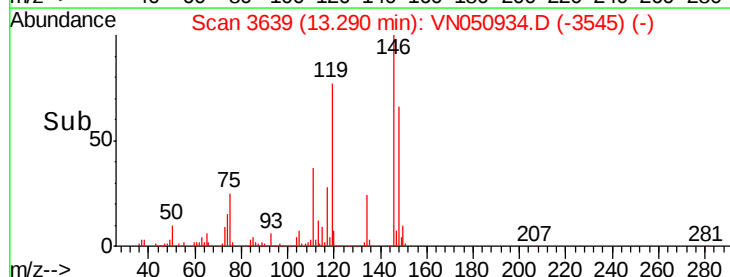
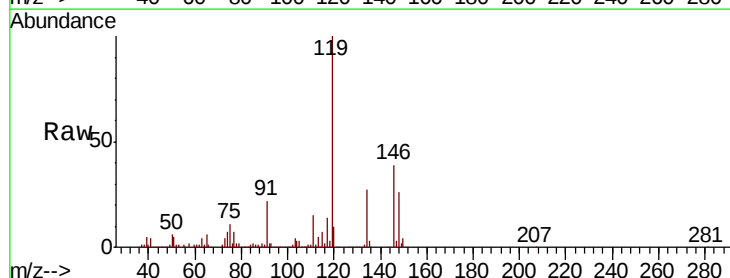
Tgt Ion:119 Resp: 1499605

Ion Ratio Lower Upper

119 100

134 26.6 13.7 41.0

91 22.1 11.2 33.5





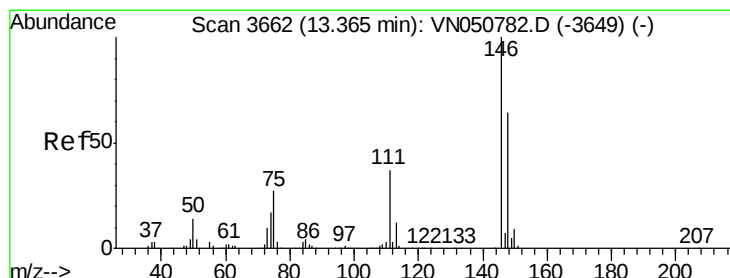
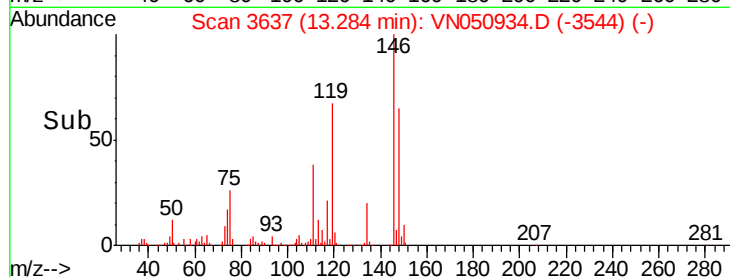
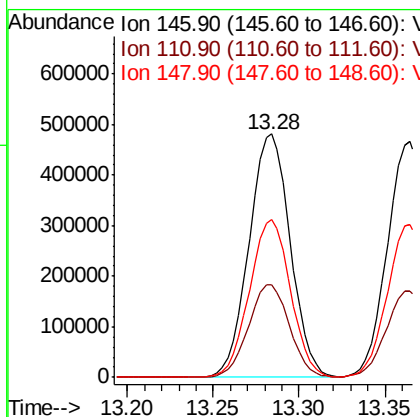
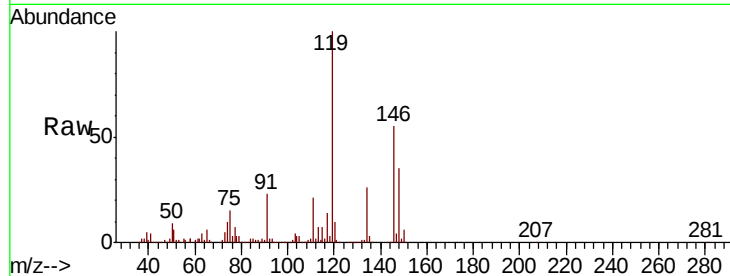
#87
 1,3-Dichlorobenzene
 Concen: 49.450 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	798663		
111	37.9	19.1	57.3	
148	64.6	32.2	96.6	

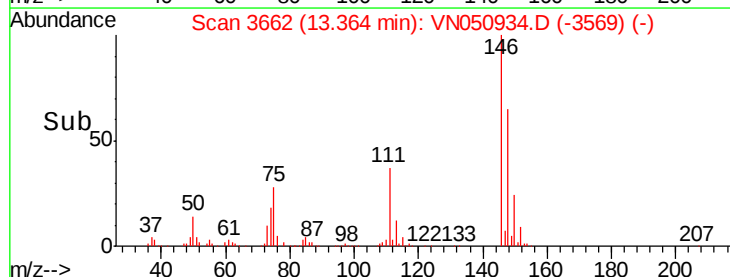
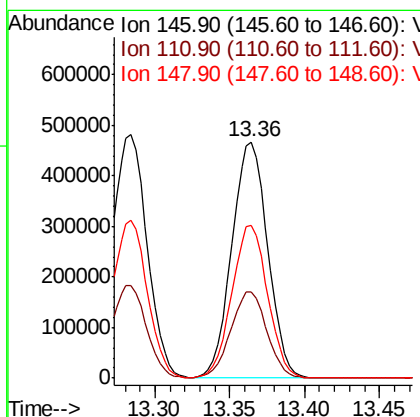
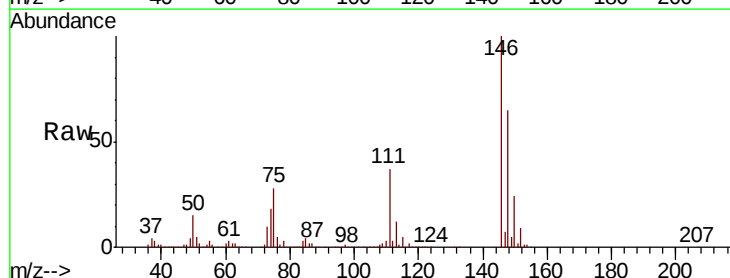
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#88
 1,4-Dichlorobenzene
 Concen: 48.986 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	778650		
111	36.9	18.8	56.3	
148	64.7	32.2	96.6	





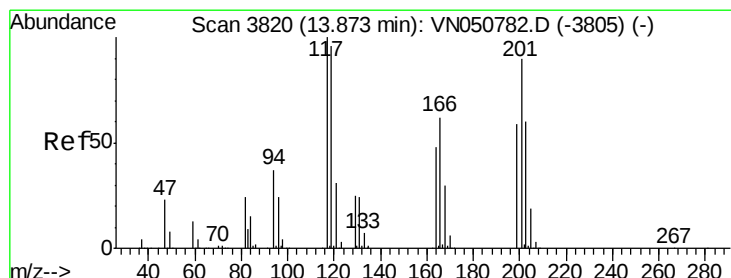
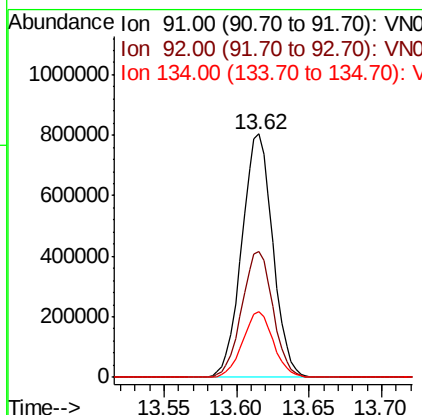
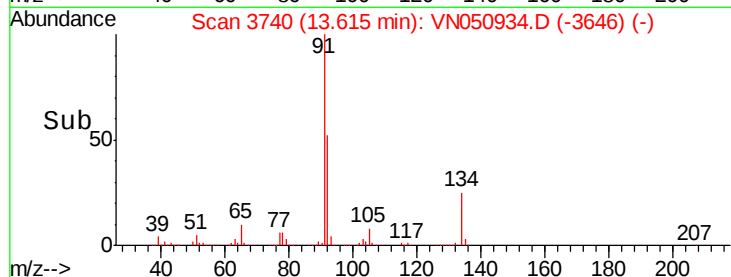
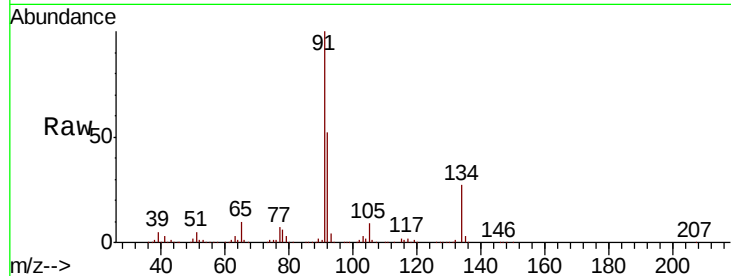
#89
n-Butylbenzene
Concen: 54.685 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1195025
Ion Ratio Lower Upper
91 100
92 52.1 26.1 78.2
134 26.6 13.2 39.6

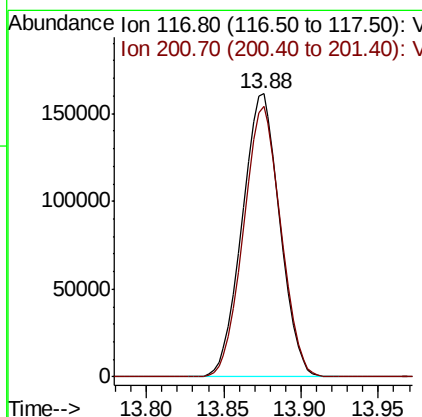
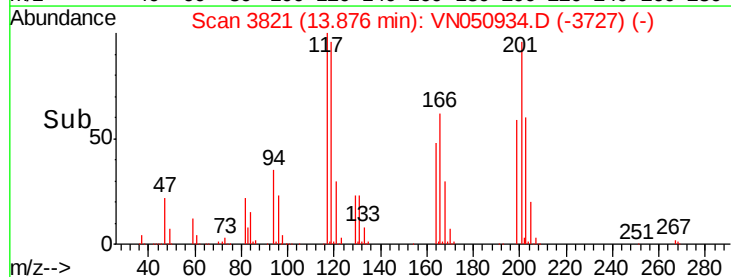
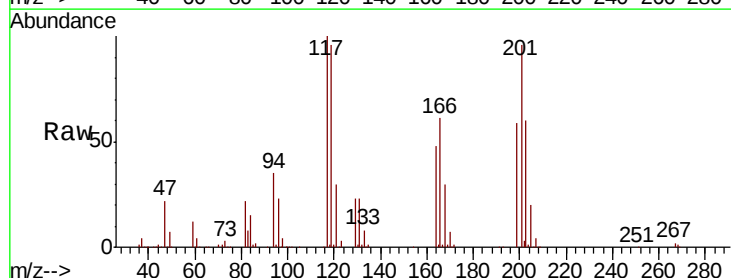
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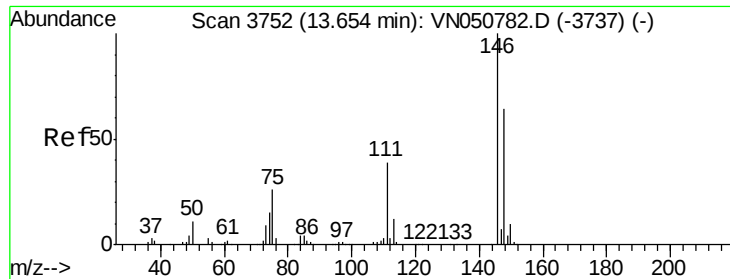
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#90
Hexachloroethane
Concen: 52.468 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion: 117 Resp: 273270
Ion Ratio Lower Upper
117 100
201 94.7 46.0 137.8





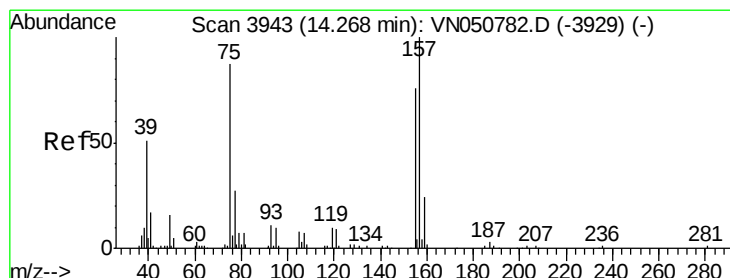
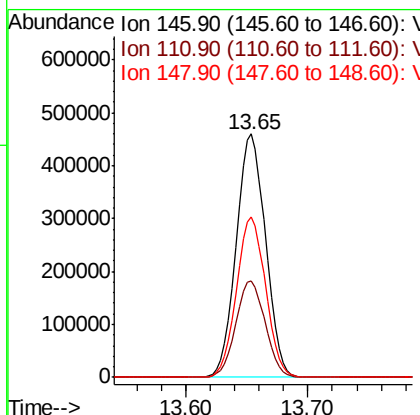
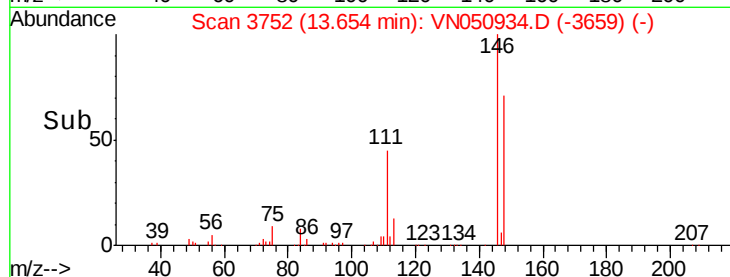
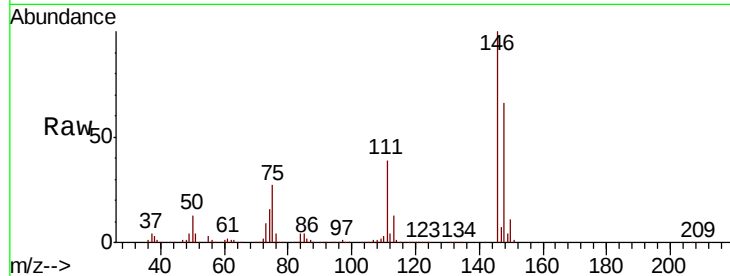
#91
 1,2-Dichlorobenzene
 Concen: 49.088 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.3
148	65.0	32.3	96.8

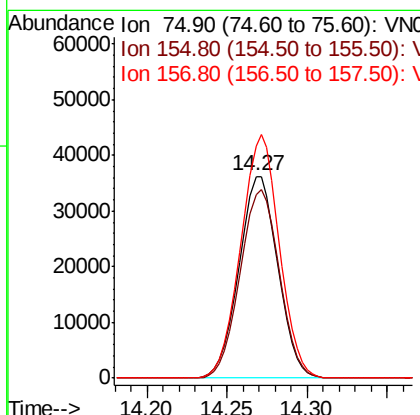
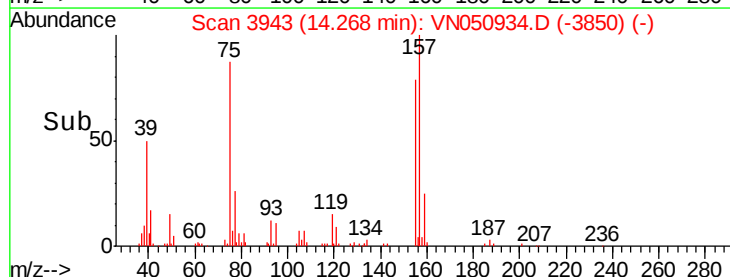
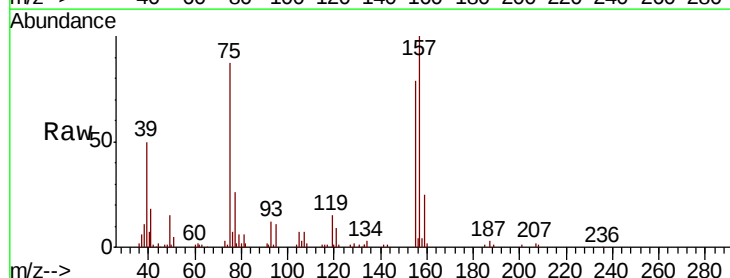
Manual Integrations
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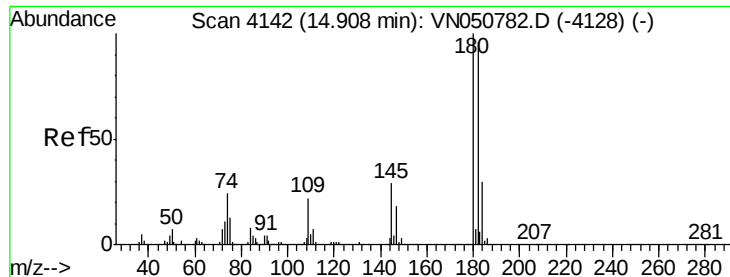
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.608 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	46.4	139.1
157	119.3	60.7	182.0





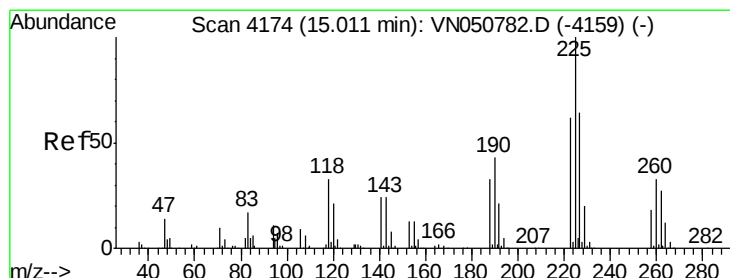
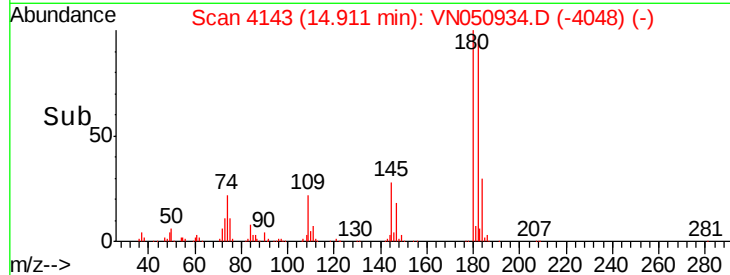
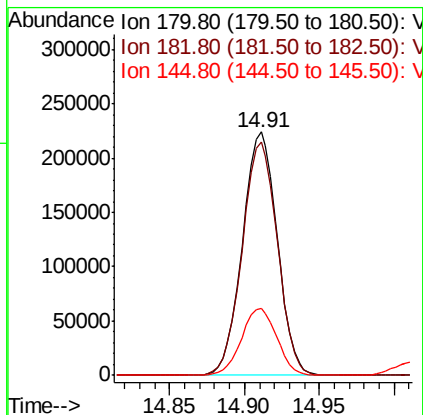
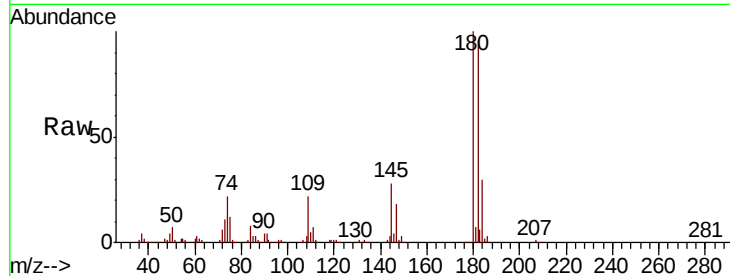
#93
 1,2,4-Trichlorobenzene
 Concen: 45.197 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	362896
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.2	144.6
145	27.9	14.1	42.2

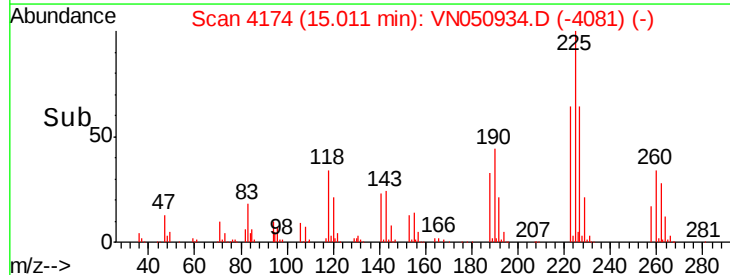
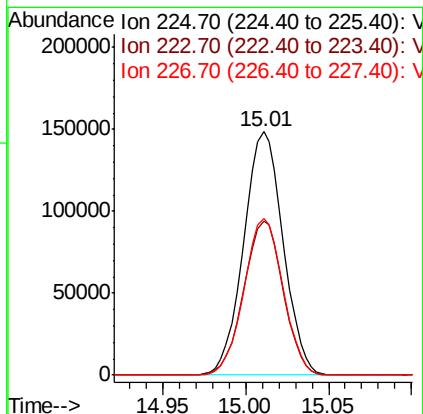
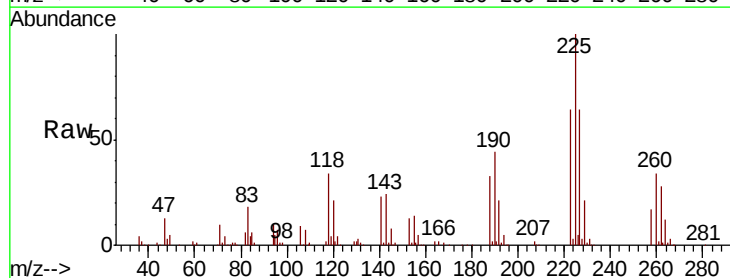
Manual Integrations
 APPROVED

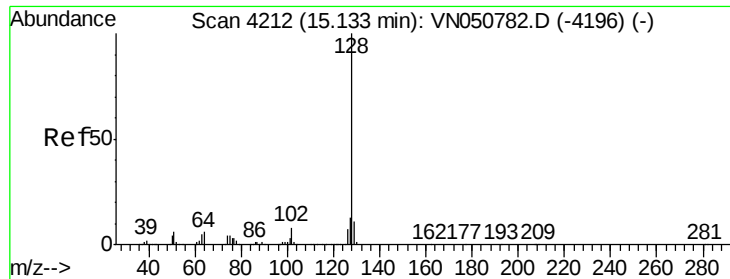
MMDadoda
 8/30/2018 11:07:22 AM



#94
 Hexachlorobutadiene
 Concen: 53.178 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050934.D
 Acq: 29 Aug 2018 8:06

Tgt Ion:	225	Resp:	245299
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.3	93.8
227	64.0	32.0	96.2





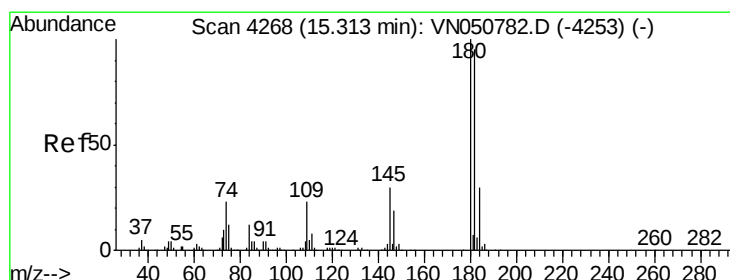
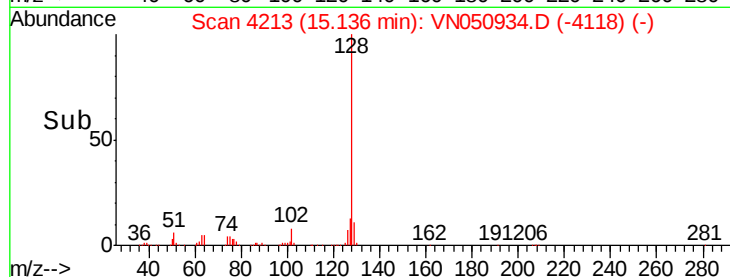
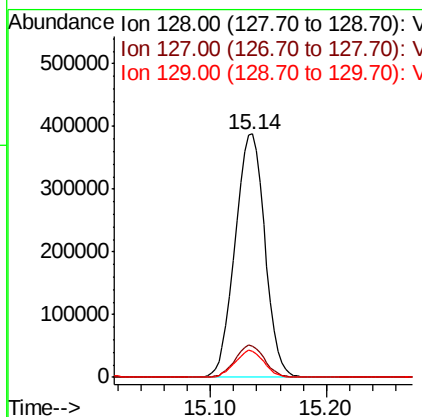
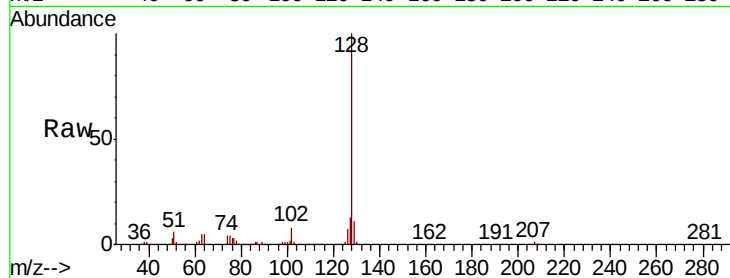
#95
Naphthalene
Concen: 41.744 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/30/2018 11:07:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.324 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050934.D
Acq: 29 Aug 2018 8:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.0	144.2
145	29.9	15.2	45.6

