

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061021\
 Data File : VN067268.D
 Acq On : 10 Jun 2021 13:33
 Operator : JC/MD
 Sample : VN0610WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 05:38:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061021W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 05:27:41 2021
 Response via : Initial Calibration

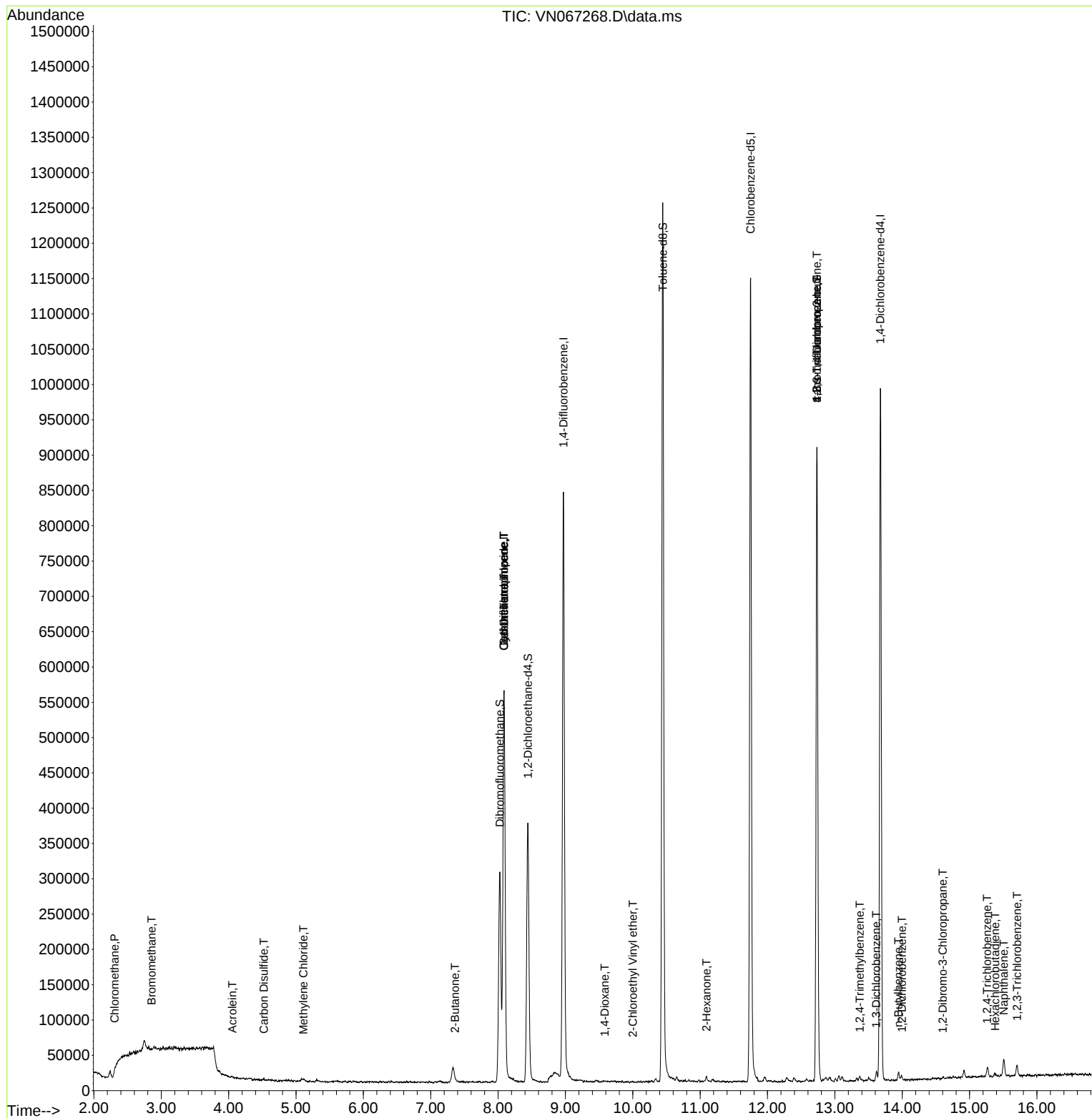
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	369936	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	667297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	606321	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	236885	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	331189	47.37	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.74%
35) Dibromofluoromethane	8.027	113	213473	50.20	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.40%
50) Toluene-d8	10.446	98	859941	51.46	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.92%
62) 4-Bromofluorobenzene	12.734	95	338015	48.61	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.22%
Target Compounds						
						Qvalue
3) Chloromethane	2.309	50	1204	0.20	ug/l	97
5) Bromomethane	2.856	94	546	0.21	ug/l	# 65
13) Acrolein	4.057	56	979	2.05	ug/l	# 32
17) Carbon Disulfide	4.524	76	3246	0.27	ug/l	# 79
20) Methylene Chloride	5.109	84	1527	0.30	ug/l	# 86
25) 2-Butanone	7.362	43	907	0.21	ug/l	# 44
31) Cyclohexane	8.086	56	12673	1.47	ug/l	# 45
36) 1,1-Dichloropropene	8.088	75	38951	5.51	ug/l	# 49
38) Carbon Tetrachloride	8.086	117	46065	6.25	ug/l	# 15
49) 1,4-Dioxane	9.582	88	52	0.63	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	10.003	63	24	28.10	ug/l	# 45
59) 2-Hexanone	11.095	43	5808	0.92	ug/l	83
76) 1,2,3-Trichloropropane	12.734	75	198316	31.51	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	198316	80.62	ug/l	# 15
84) 1,2,4-Trimethylbenzene	13.369	105	4056	0.22	ug/l	70
87) 1,3-Dichlorobenzene	13.613	146	1982	0.24	ug/l	# 84
89) n-Butylbenzene	13.946	91	7062	0.41	ug/l	89
91) 1,2-Dichlorobenzene	13.997	146	2121	0.28	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.603	75	430	0.27	ug/l	# 27
93) 1,2,4-Trichlorobenzene	15.263	180	3543	0.90	ug/l	97
94) Hexachlorobutadiene	15.381	225	659	0.29	ug/l	86
95) Naphthalene	15.507	128	19333	5.98	ug/l	# 94
96) 1,2,3-Trichlorobenzene	15.705	180	3957	1.08	ug/l	91

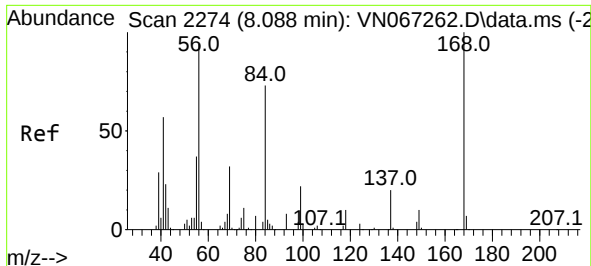
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061021\
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 11 05:38:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061021W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 11 05:27:41 2021
Response via : Initial Calibration

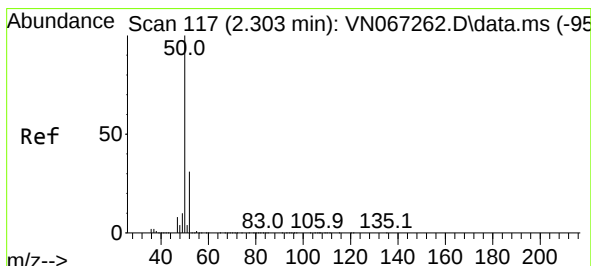
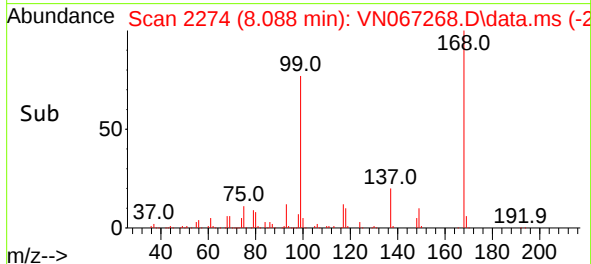
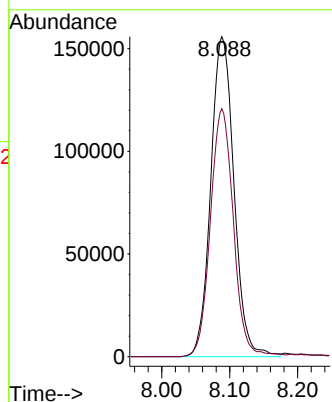
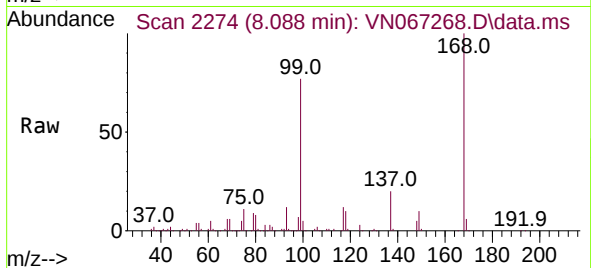




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

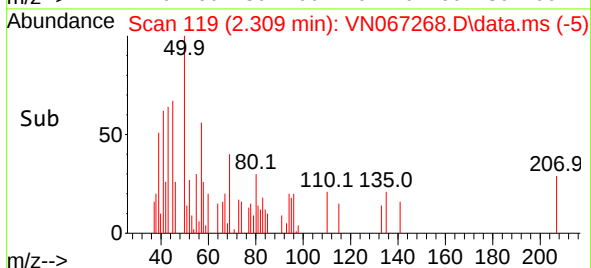
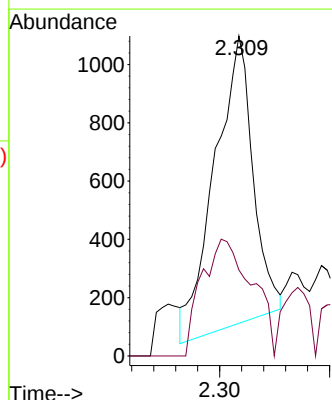
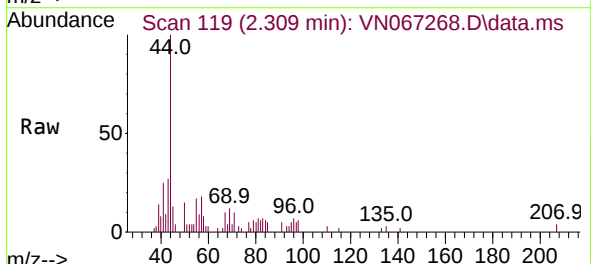
Instrument :
MSVOA_N
ClientSampleId :

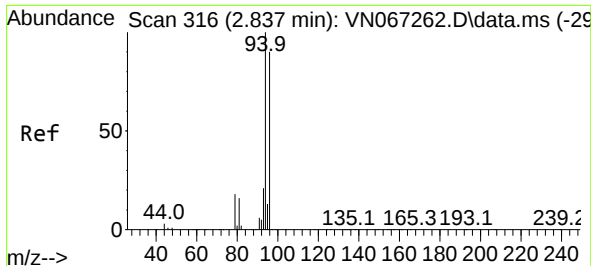
Tgt Ion:168 Resp: 369936
Ion Ratio Lower Upper
168 100
99 77.5 38.5 57.7#



#3
Chloromethane
Concen: 0.20 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.005 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

Tgt Ion: 50 Resp: 1204
Ion Ratio Lower Upper
50 100
52 31.7 26.5 39.7

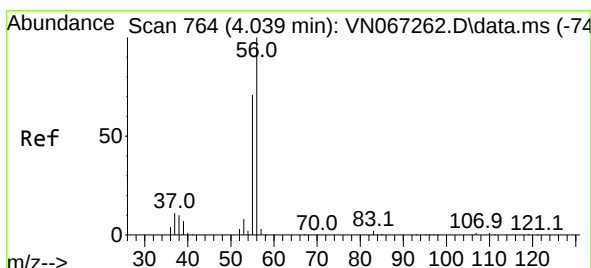
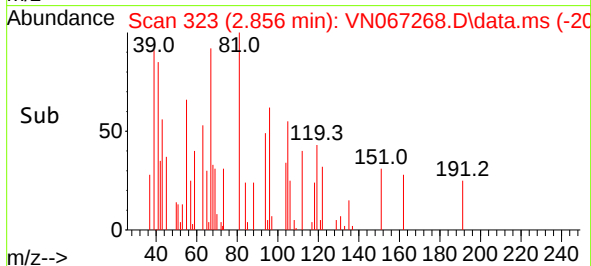
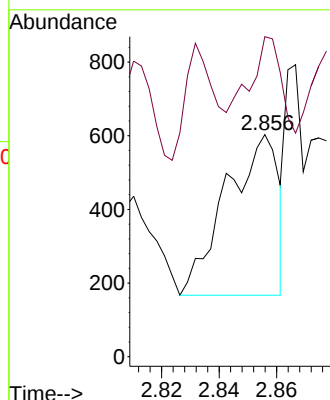
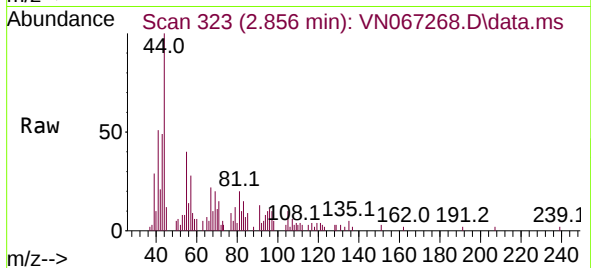




#5
Bromomethane
Concen: 0.21 ug/l
RT: 2.856 min Scan# 323
Delta R.T. 0.019 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

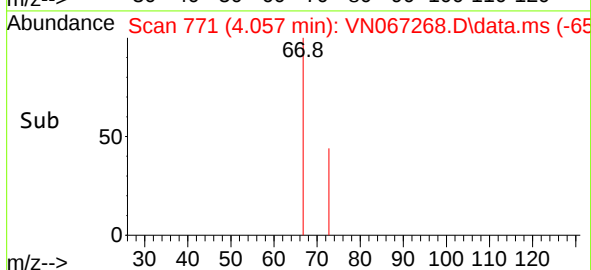
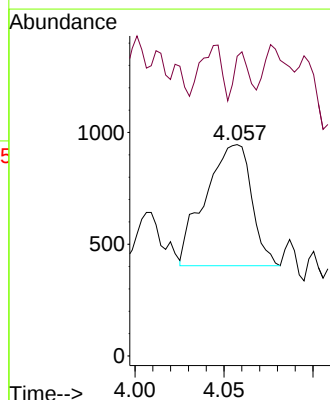
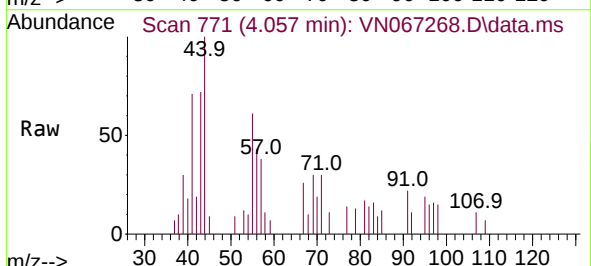
Instrument :
MSVOA_N
ClientSampleId :

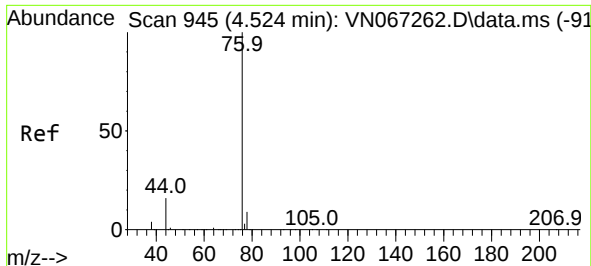
Tgt Ion: 94 Resp: 546
Ion Ratio Lower Upper
94 100
96 59.9 74.4 111.6#



#13
Acrolein
Concen: 2.05 ug/l
RT: 4.057 min Scan# 771
Delta R.T. 0.019 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

Tgt Ion: 56 Resp: 979
Ion Ratio Lower Upper
56 100
55 12.7 53.8 80.6#

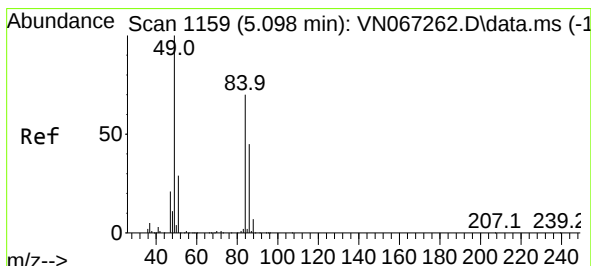
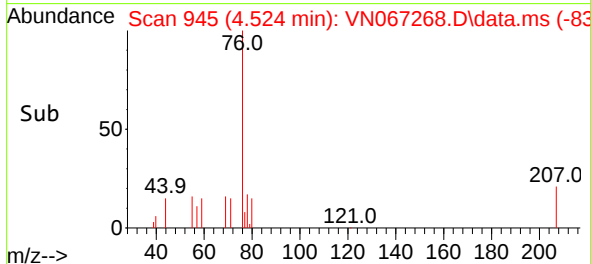
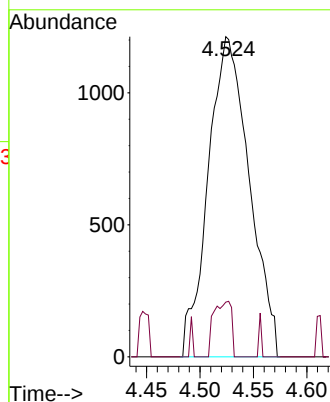
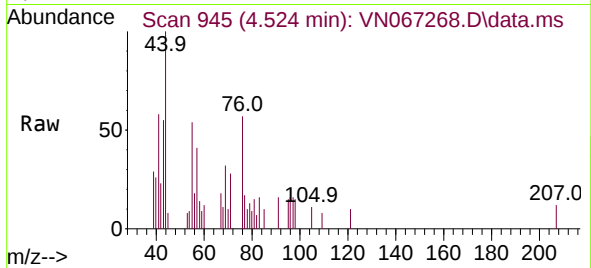




#17
Carbon Disulfide
Concen: 0.27 ug/l
RT: 4.524 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

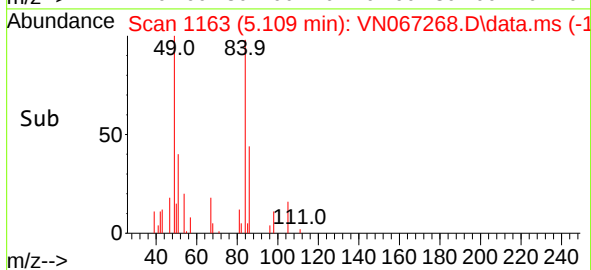
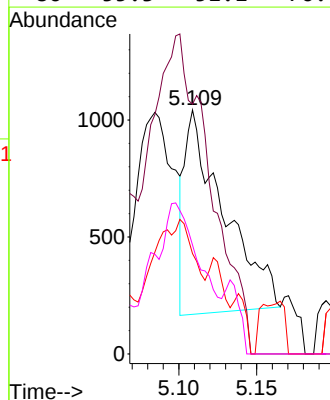
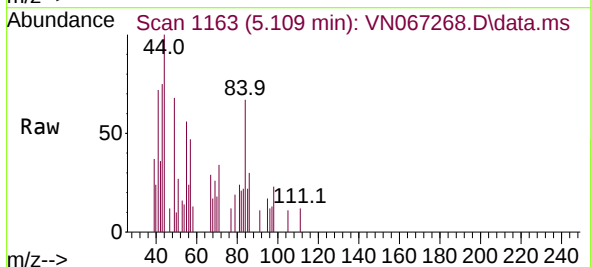
Instrument :
MSVOA_N
ClientSampleId :

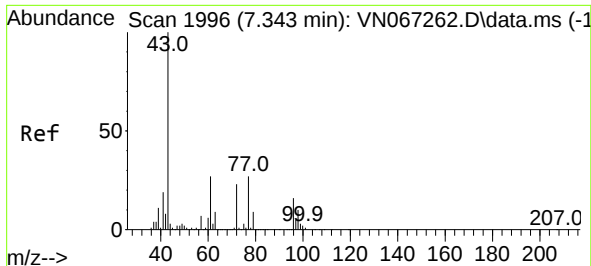
Tgt Ion: 76 Resp: 3246
Ion Ratio Lower Upper
76 100
78 17.1 7.5 11.3#



#20
Methylene Chloride
Concen: 0.30 ug/l
RT: 5.109 min Scan# 1163
Delta R.T. 0.011 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

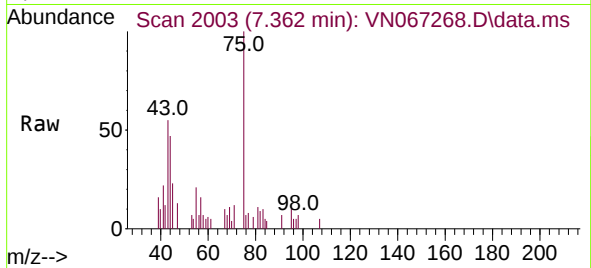
Tgt Ion: 84 Resp: 1527
Ion Ratio Lower Upper
84 100
49 126.8 88.3 132.5
51 24.1 26.7 40.1#
86 55.3 51.1 76.7



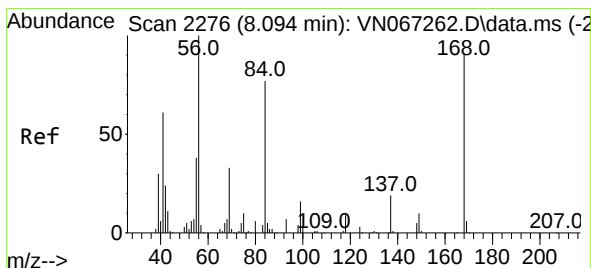
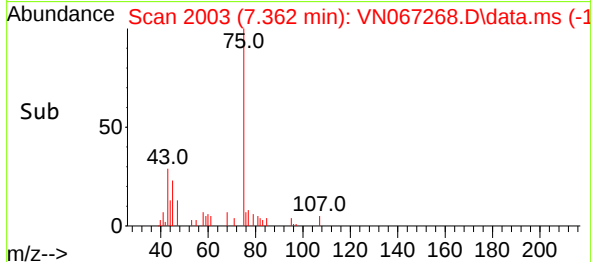
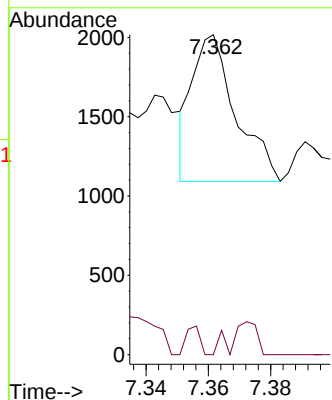


#25
2-Butanone
Concen: 0.21 ug/l
RT: 7.362 min Scan# 2003
Delta R.T. 0.019 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

Instrument :
MSVOA_N
ClientSampled :

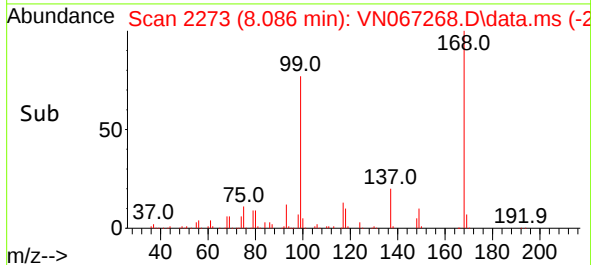
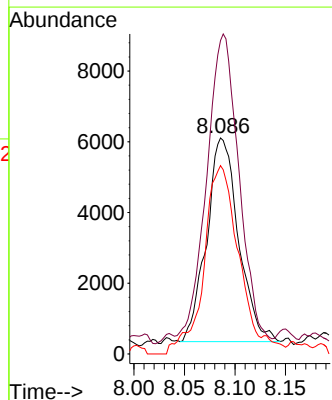
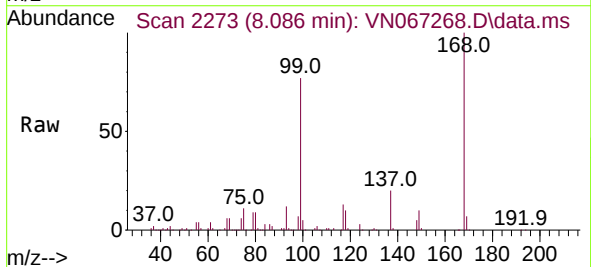


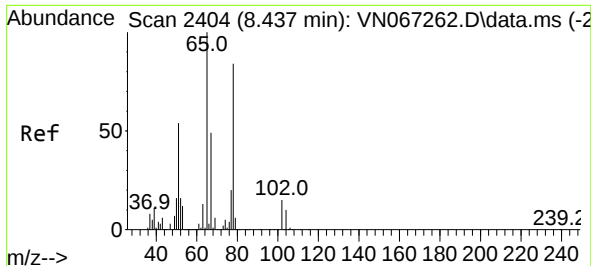
Tgt Ion: 43 Resp: 907
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#



#31
Cyclohexane
Concen: 1.47 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

Tgt Ion: 56 Resp: 12673
Ion Ratio Lower Upper
56 100
69 143.3 28.0 42.0#
84 87.7 74.2 111.2

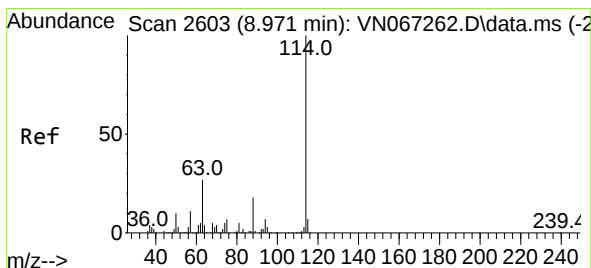
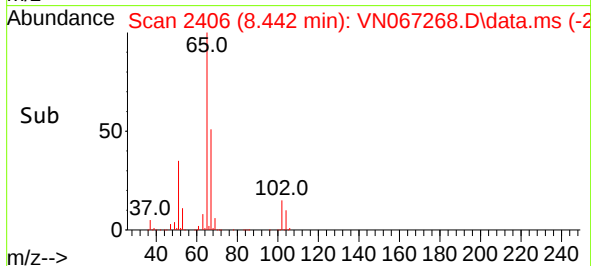
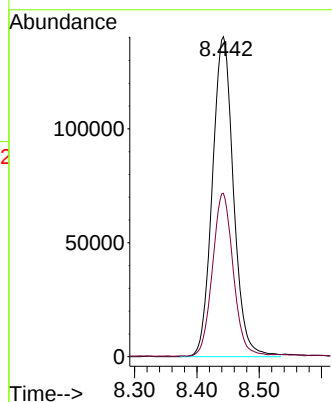
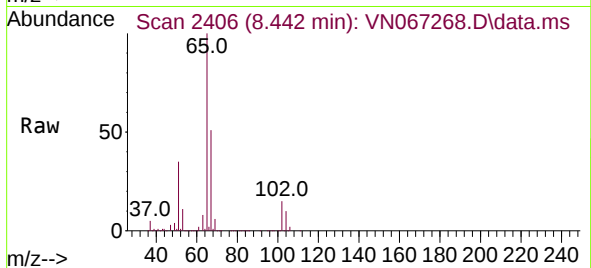




#33
 1,2-Dichloroethane-d4
 Concen: 47.37 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. 0.005 min
 Lab File: VN067268.D
 Acq: 10 Jun 2021 13:33

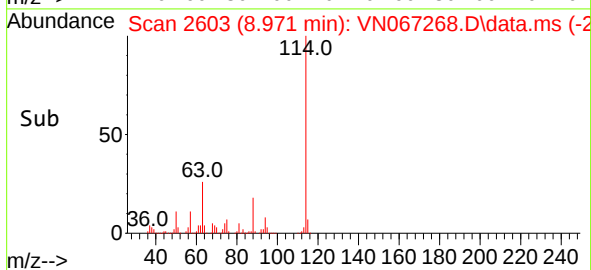
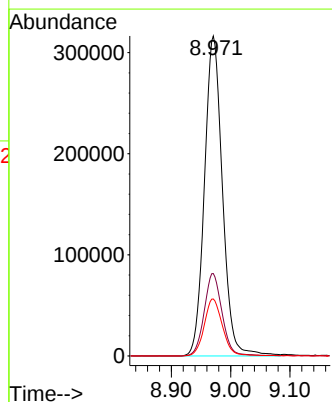
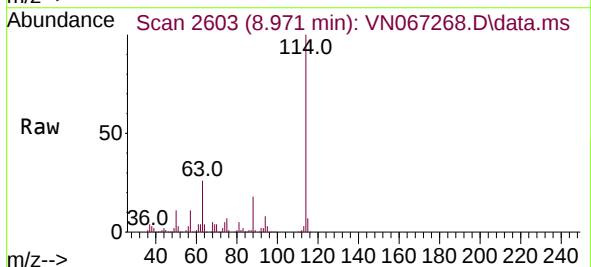
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 ClientSampleId :

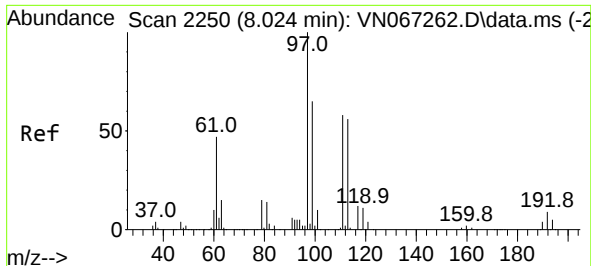
Tgt Ion: 65 Resp: 331189
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. -0.000 min
 Lab File: VN067268.D
 Acq: 10 Jun 2021 13:33

Tgt Ion: 114 Resp: 667297
 Ion Ratio Lower Upper
 114 100
 63 25.8 0.0 35.8
 88 17.8 0.0 30.4

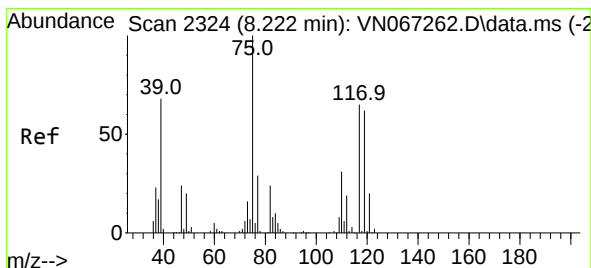
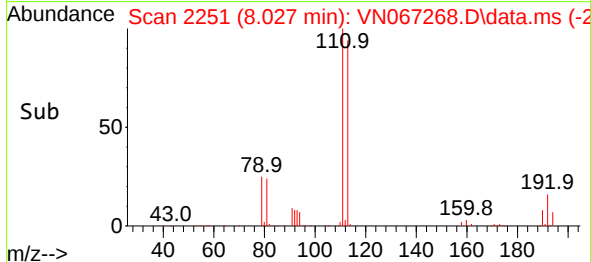
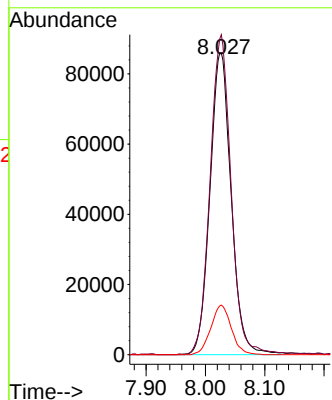
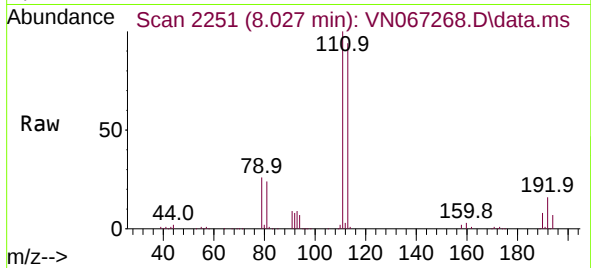




#35
Dibromofluoromethane
Concen: 50.20 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

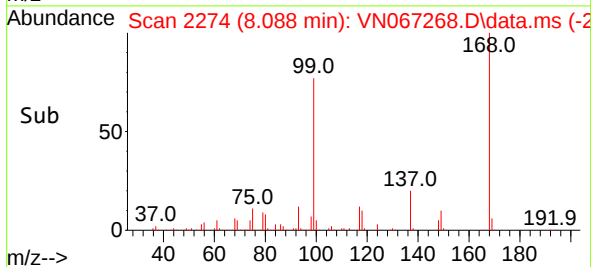
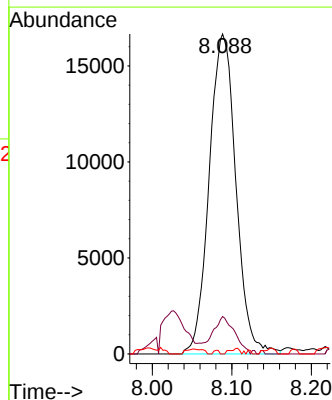
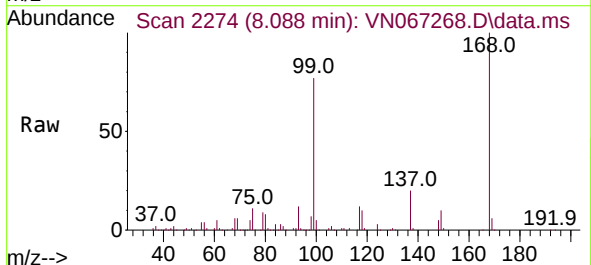
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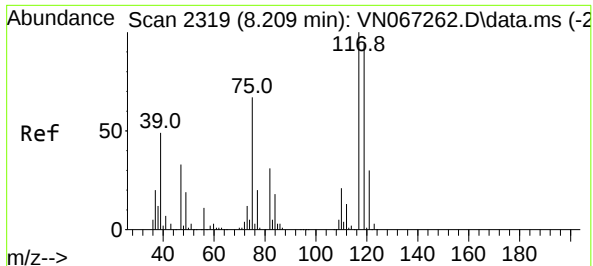
Tgt Ion:113 Resp: 213473
Ion Ratio Lower Upper
113 100
111 105.1 82.6 124.0
192 15.9 18.2 27.4#



#36
1,1-Dichloropropene
Concen: 5.51 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

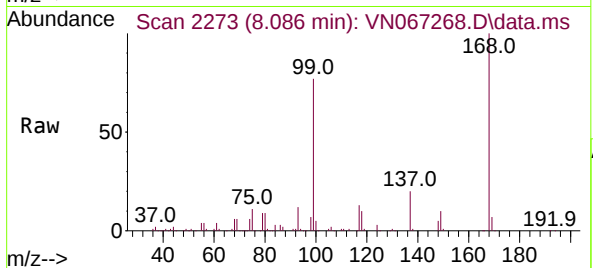
Tgt Ion: 75 Resp: 38951
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.2 24.8 37.2#



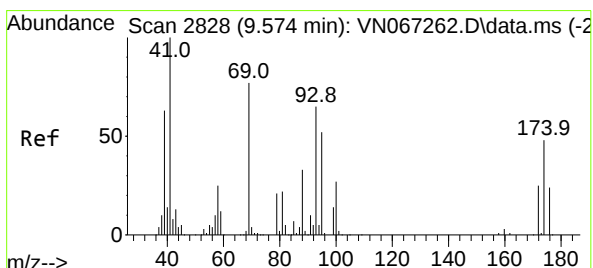
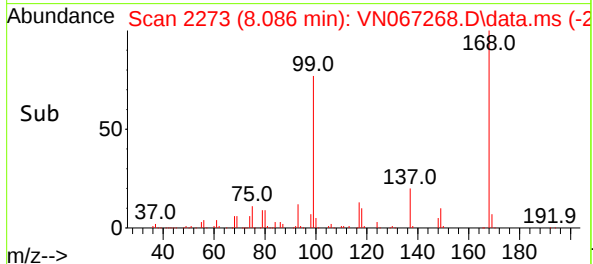
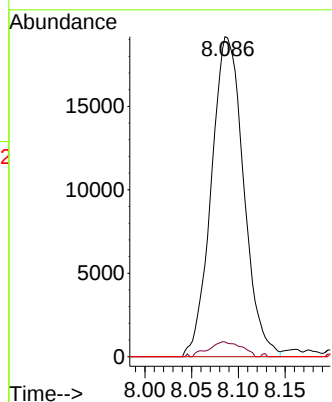


#38
Carbon Tetrachloride
Concen: 6.25 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

Instrument :
MSVOA_N
ClientSampleId :

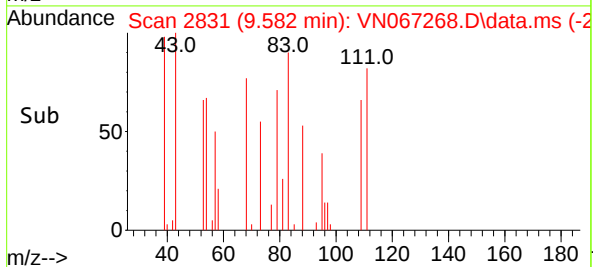
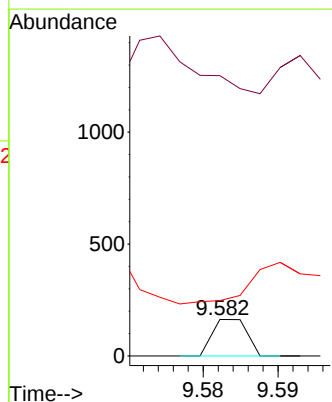
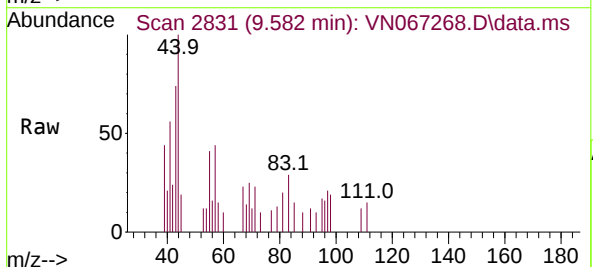


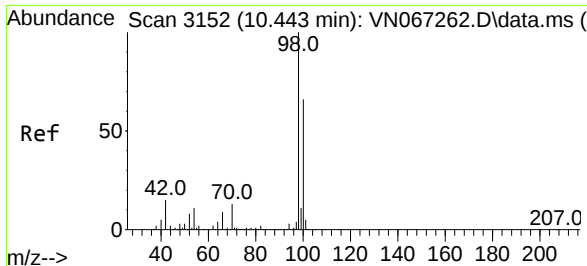
Tgt Ion:117 Resp: 46065
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 0.63 ug/l
RT: 9.582 min Scan# 2831
Delta R.T. 0.008 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 155.8 21.8 32.8#
58 273.1 50.8 76.2#

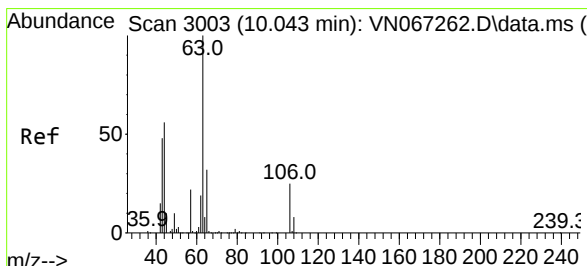
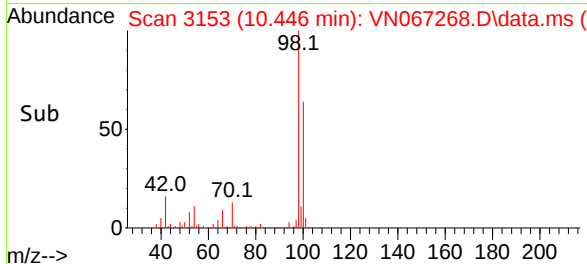
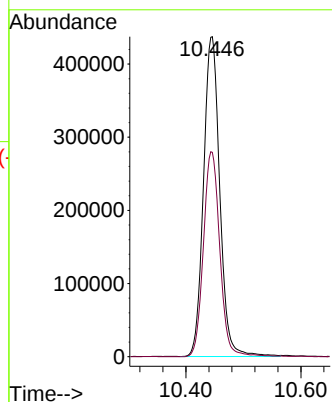
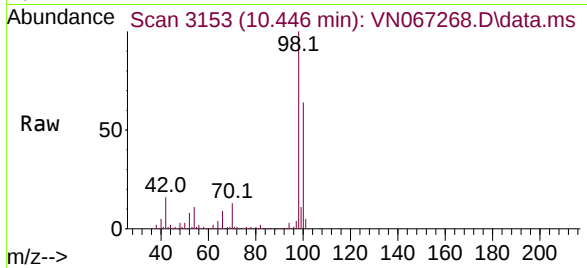




#50
Toluene-d8
Concen: 51.46 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

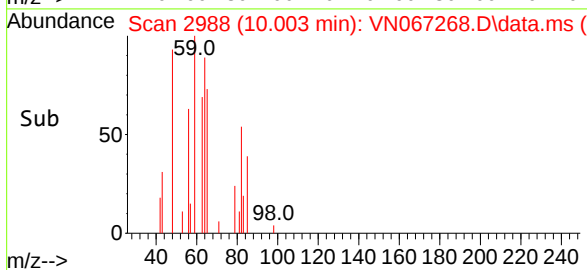
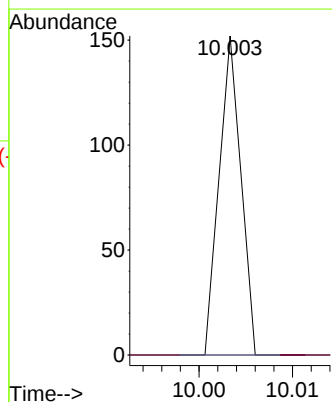
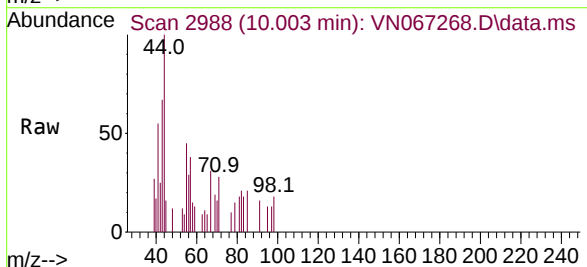
Instrument :
MSVOA_N
ClientSampleId :

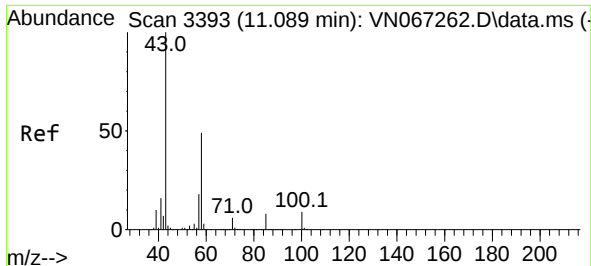
Tgt Ion: 98 Resp: 859941
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8



#58
2-Chloroethyl Vinyl ether
Concen: 28.10 ug/l
RT: 10.003 min Scan# 2988
Delta R.T. -0.040 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

Tgt Ion: 63 Resp: 24
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

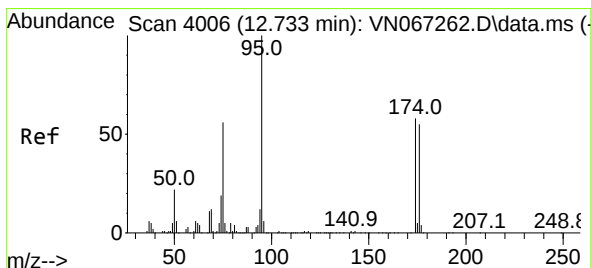
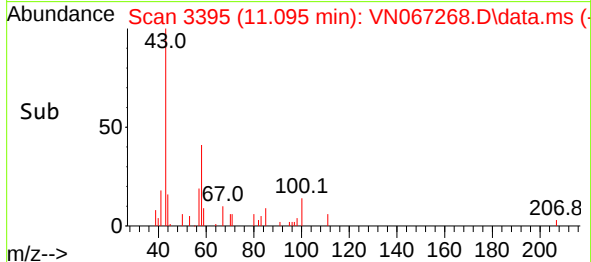
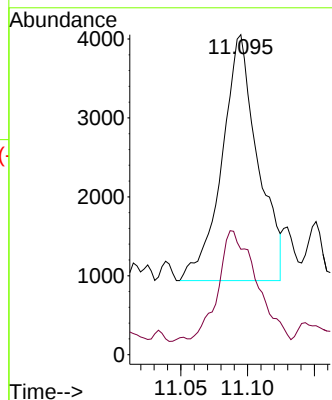
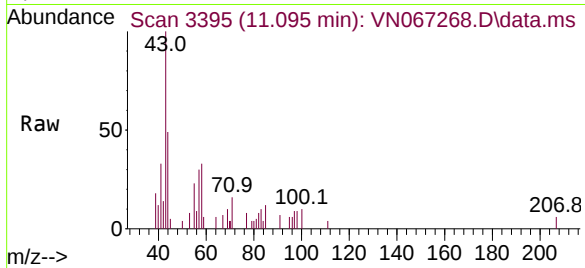




#59
2-Hexanone
Concen: 0.92 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.005 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

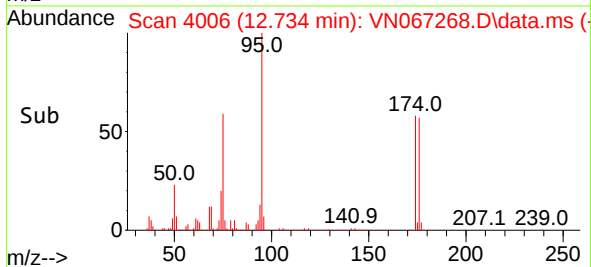
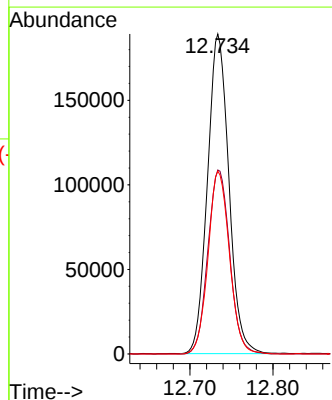
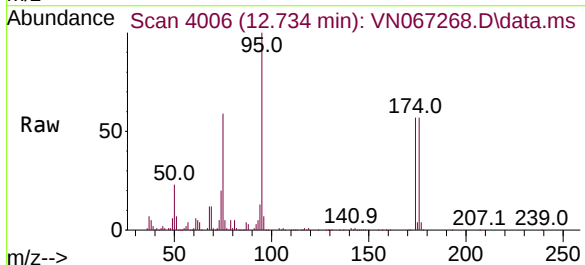
Instrument :
MSVOA_N
ClientSampled :

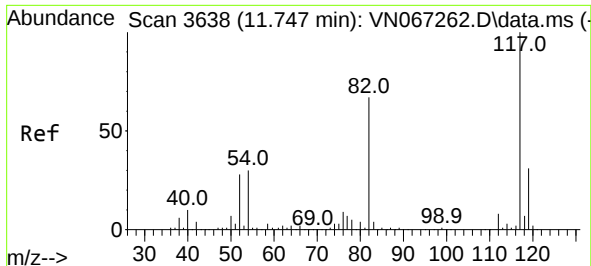
Tgt Ion: 43 Resp: 5808
Ion Ratio Lower Upper
43 100
58 46.6 29.8 89.5



#62
4-Bromofluorobenzene
Concen: 48.61 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

Tgt Ion: 95 Resp: 338015
Ion Ratio Lower Upper
95 100
174 58.8 0.0 182.8
176 57.2 0.0 176.6

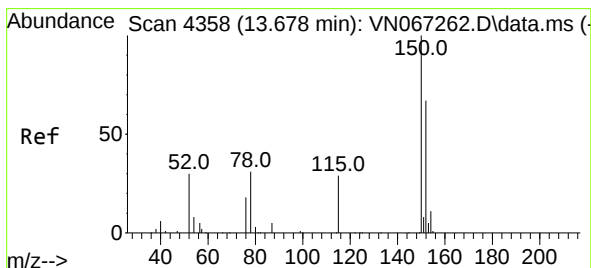
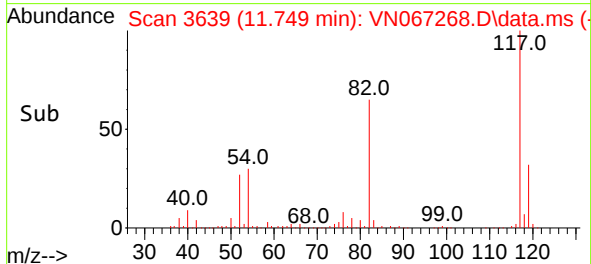
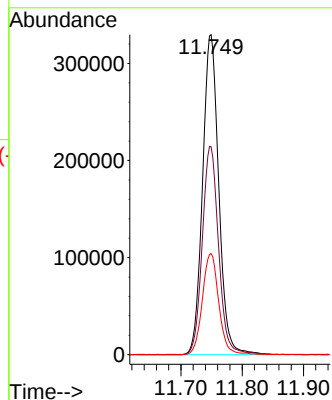
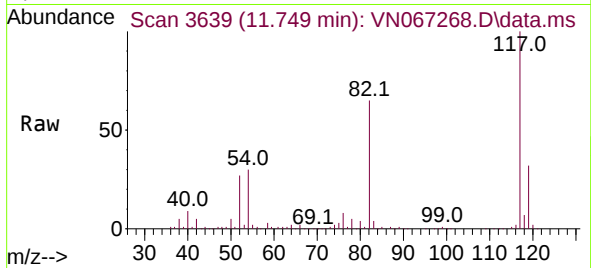




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

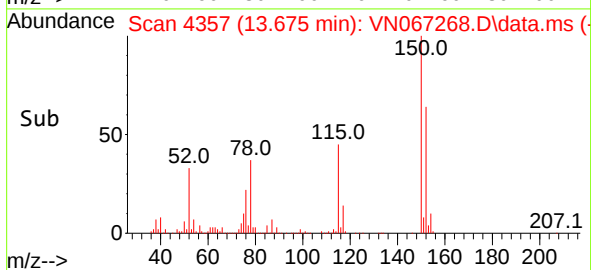
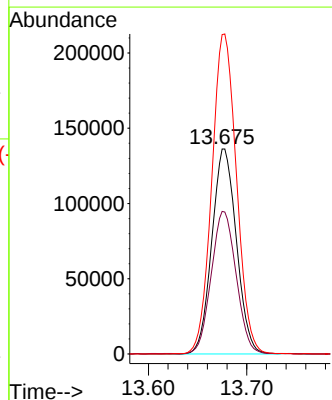
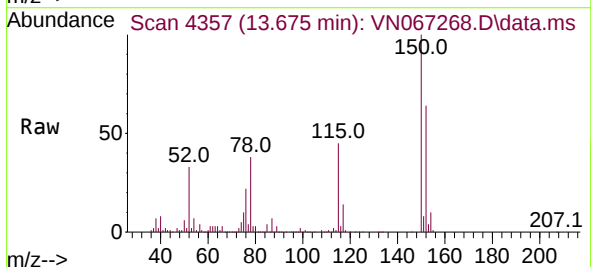
Instrument :
MSVOA_N
ClientSampleId :

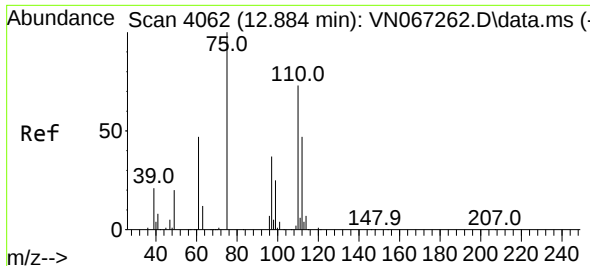
Tgt Ion:117 Resp: 606321
Ion Ratio Lower Upper
117 100
82 64.9 42.2 63.2#
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

Tgt Ion:152 Resp: 236885
Ion Ratio Lower Upper
152 100
115 70.7 27.0 80.8
150 156.8 0.0 350.2

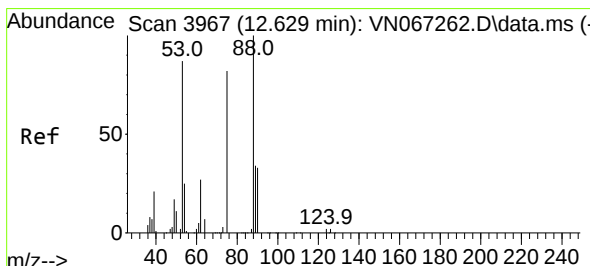
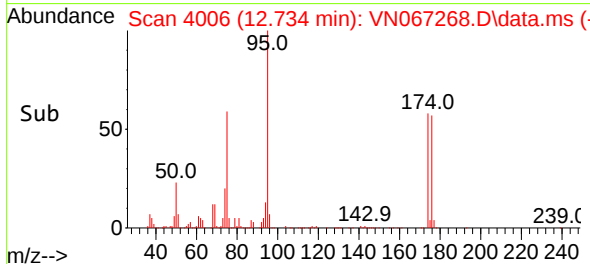
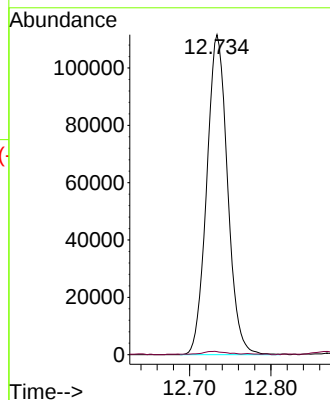
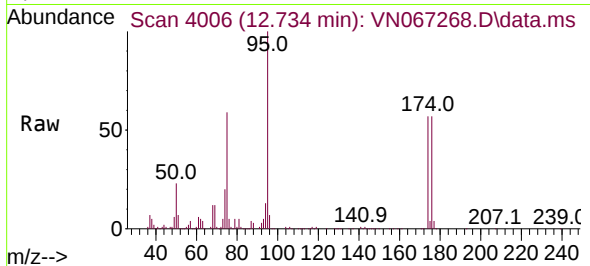




#76
1,2,3-Trichloropropane
Concen: 31.51 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

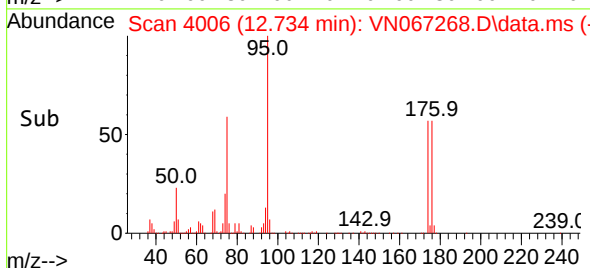
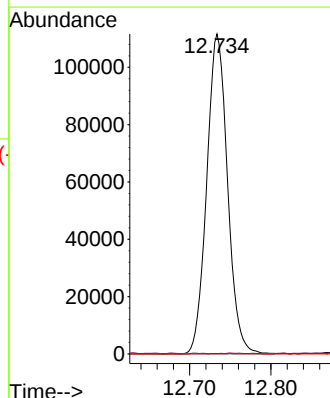
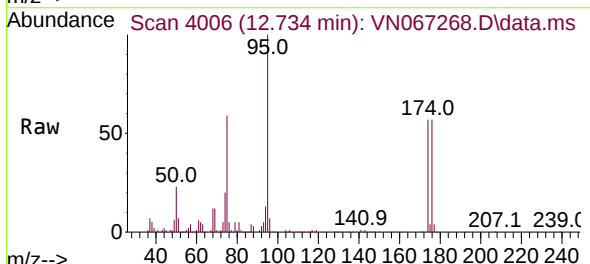
Instrument :
MSVOA_N
ClientSampleId :

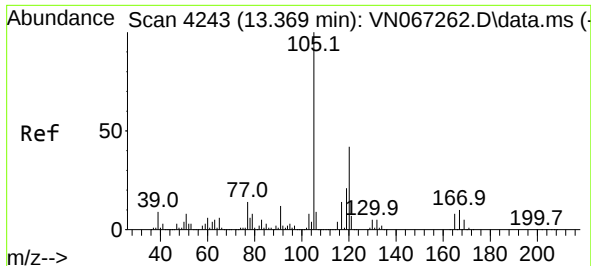
Tgt Ion: 75 Resp: 198316
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.62 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

Tgt Ion: 75 Resp: 198316
Ion Ratio Lower Upper
75 100
53 0.1 66.3 99.5#
89 0.0 39.5 59.3#

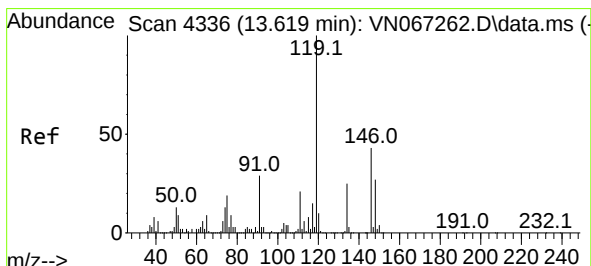
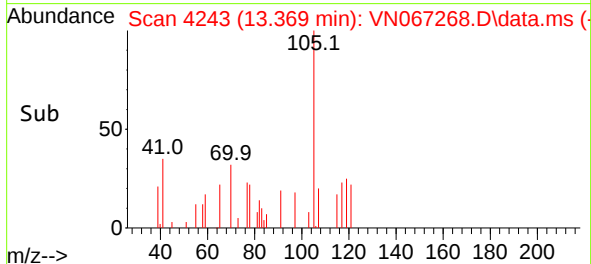
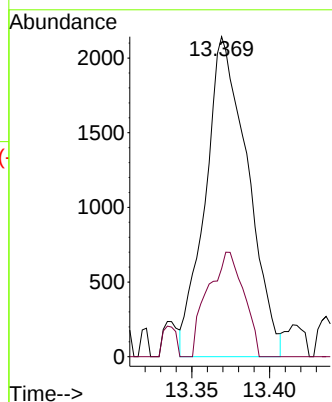
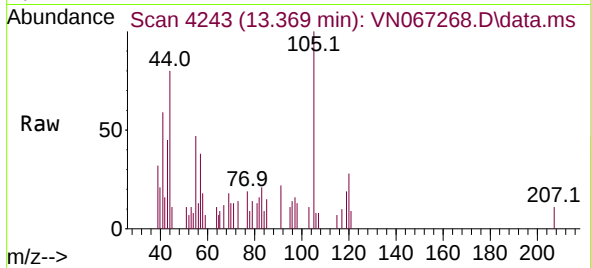




#84
1,2,4-Trimethylbenzene
Concen: 0.22 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

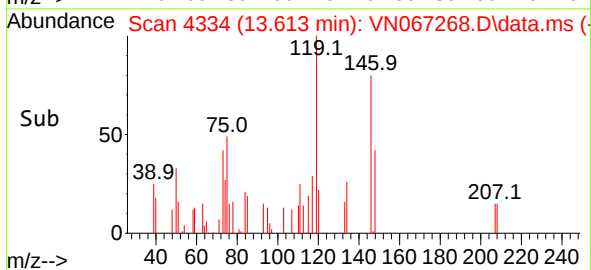
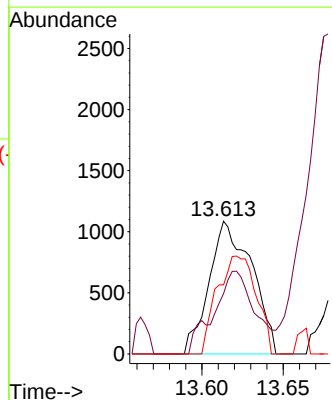
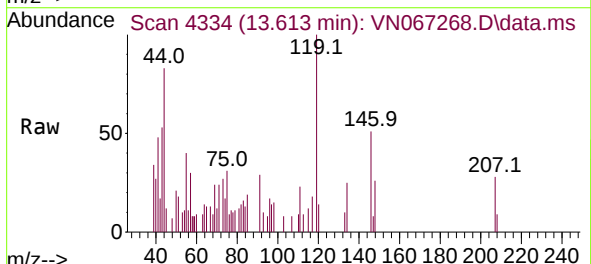
Instrument :
MSVOA_N
ClientSampleId :

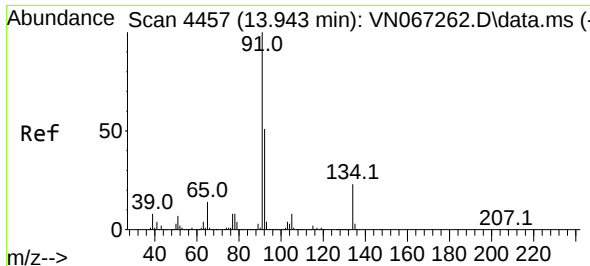
Tgt Ion:105 Resp: 4056
Ion Ratio Lower Upper
105 100
120 27.6 23.8 71.2



#87
1,3-Dichlorobenzene
Concen: 0.24 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. -0.005 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

Tgt Ion:146 Resp: 1982
Ion Ratio Lower Upper
146 100
111 60.8 19.3 57.8#
148 67.4 32.0 96.2

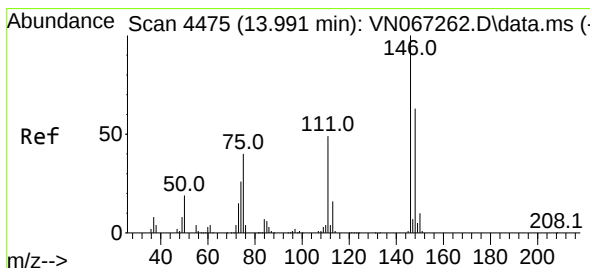
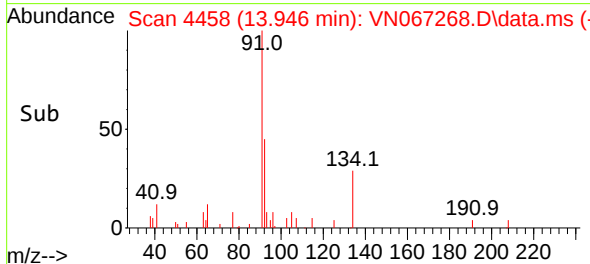
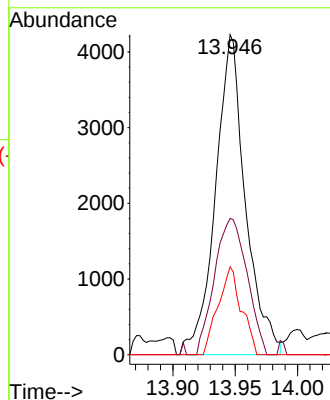
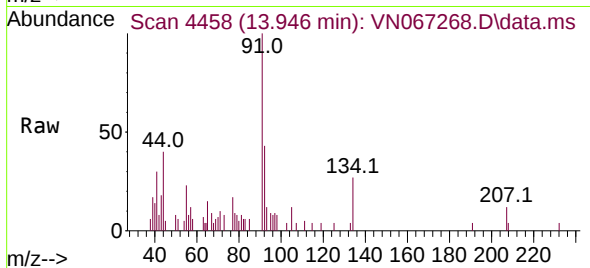




#89
n-Butylbenzene
Concen: 0.41 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

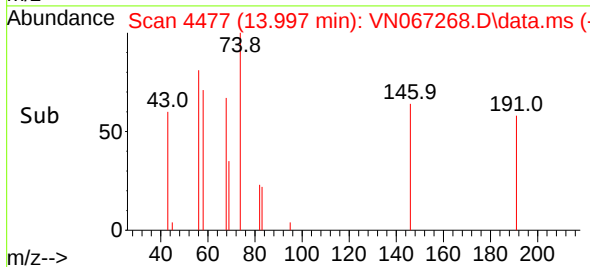
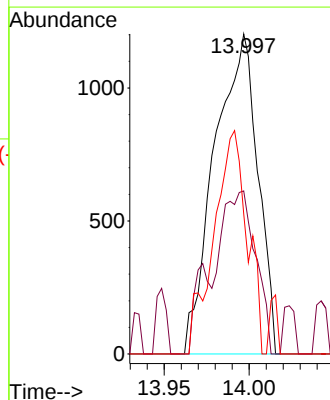
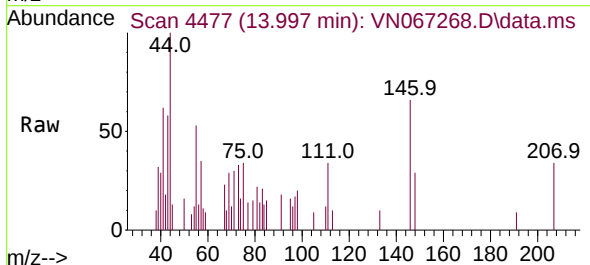
Instrument :
MSVOA_N
ClientSampleId :

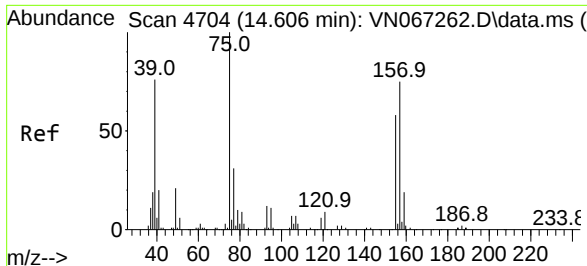
Tgt Ion: 91 Resp: 7062
Ion Ratio Lower Upper
91 100
92 46.2 26.5 79.5
134 21.4 14.3 42.9



#91
1,2-Dichlorobenzene
Concen: 0.28 ug/l
RT: 13.997 min Scan# 4477
Delta R.T. 0.005 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

Tgt Ion: 146 Resp: 2121
Ion Ratio Lower Upper
146 100
111 40.8 19.8 59.3
148 54.2 31.7 95.1

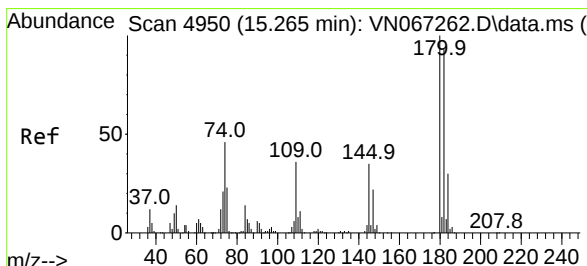
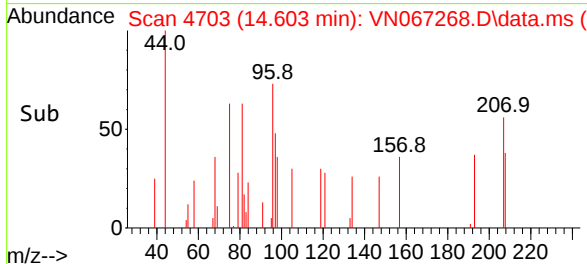
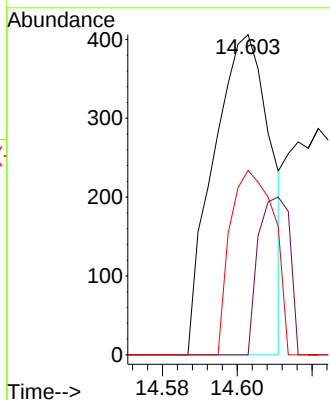
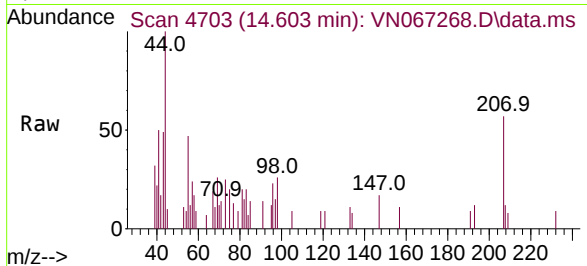




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.27 ug/l
 RT: 14.603 min Scan# 4703
 Delta R.T. -0.003 min
 Lab File: VN067268.D
 Acq: 10 Jun 2021 13:33

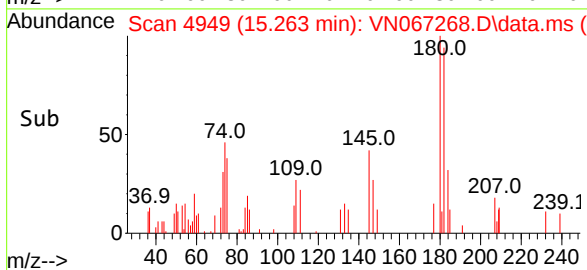
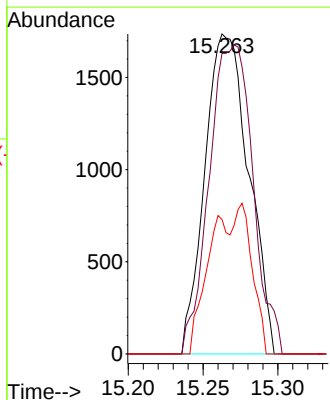
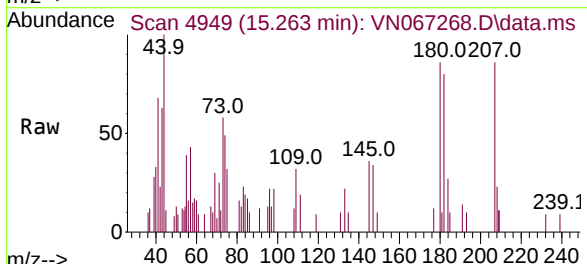
Instrument :
 MSVOA_N
 ClientSampleId :

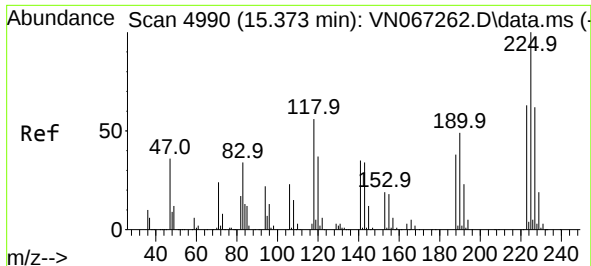
Tgt Ion: 75 Resp: 430
 Ion Ratio Lower Upper
 75 100
 155 27.2 49.9 149.7#
 157 44.2 63.8 191.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.90 ug/l
 RT: 15.263 min Scan# 4949
 Delta R.T. -0.003 min
 Lab File: VN067268.D
 Acq: 10 Jun 2021 13:33

Tgt Ion: 180 Resp: 3543
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.3 141.8
 145 23.8 14.0 42.0

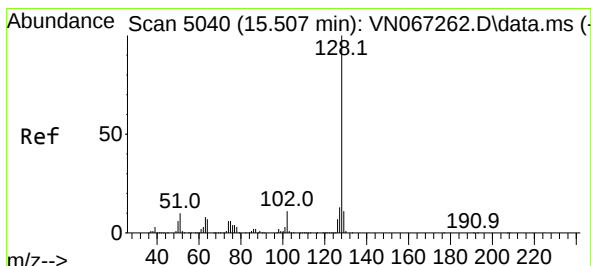
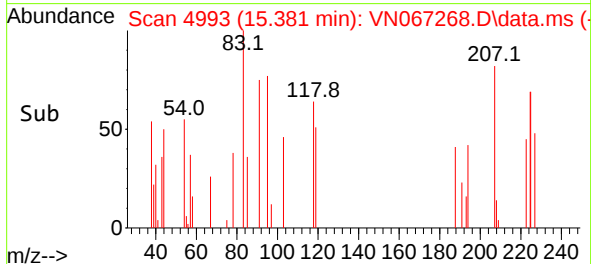
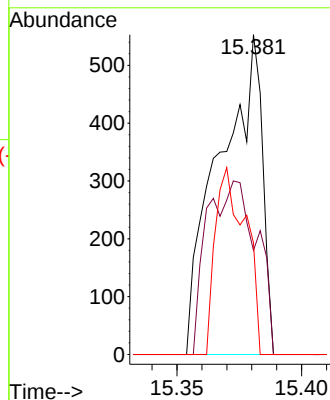
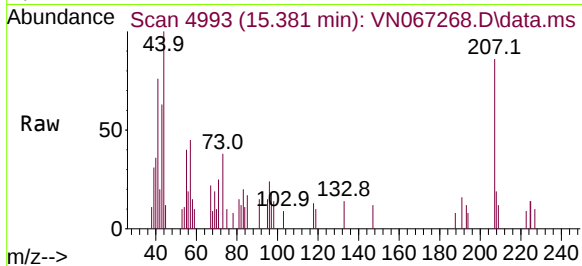




#94
Hexachlorobutadiene
Concen: 0.29 ug/l
RT: 15.381 min Scan# 4993
Delta R.T. 0.008 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

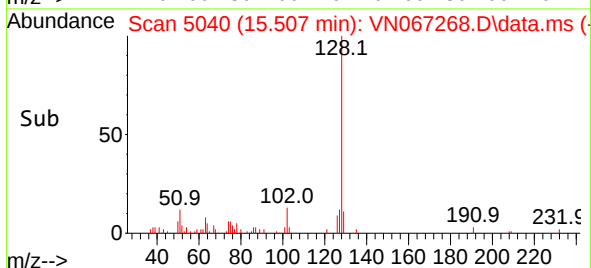
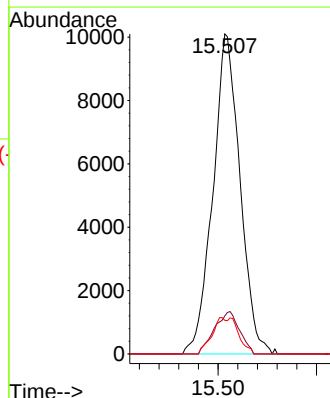
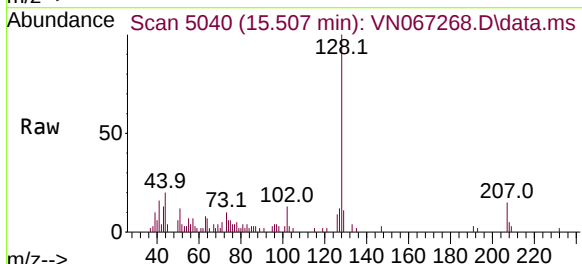
Instrument :
MSVOA_N
ClientSampled :

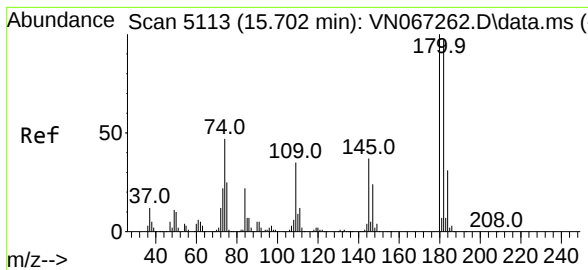
Tgt Ion:225 Resp: 659
Ion Ratio Lower Upper
225 100
223 62.8 31.7 95.1
227 41.4 31.7 95.1



#95
Naphthalene
Concen: 5.98 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN067268.D
Acq: 10 Jun 2021 13:33

Tgt Ion:128 Resp: 19333
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.2
129 6.5 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.08 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067268.D
 Acq: 10 Jun 2021 13:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:	180	Resp:	3957
Ion Ratio	Lower	Upper	
180	100		
182	88.6	48.5	145.6
145	24.9	15.4	46.2

