

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120621\
 Data File : VN069782.D
 Acq On : 6 Dec 2021 14:35
 Operator : JC/MD
 Sample : M4893-01
 Misc : 5.04g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EO-1-120121

Quant Time: Dec 06 15:14:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

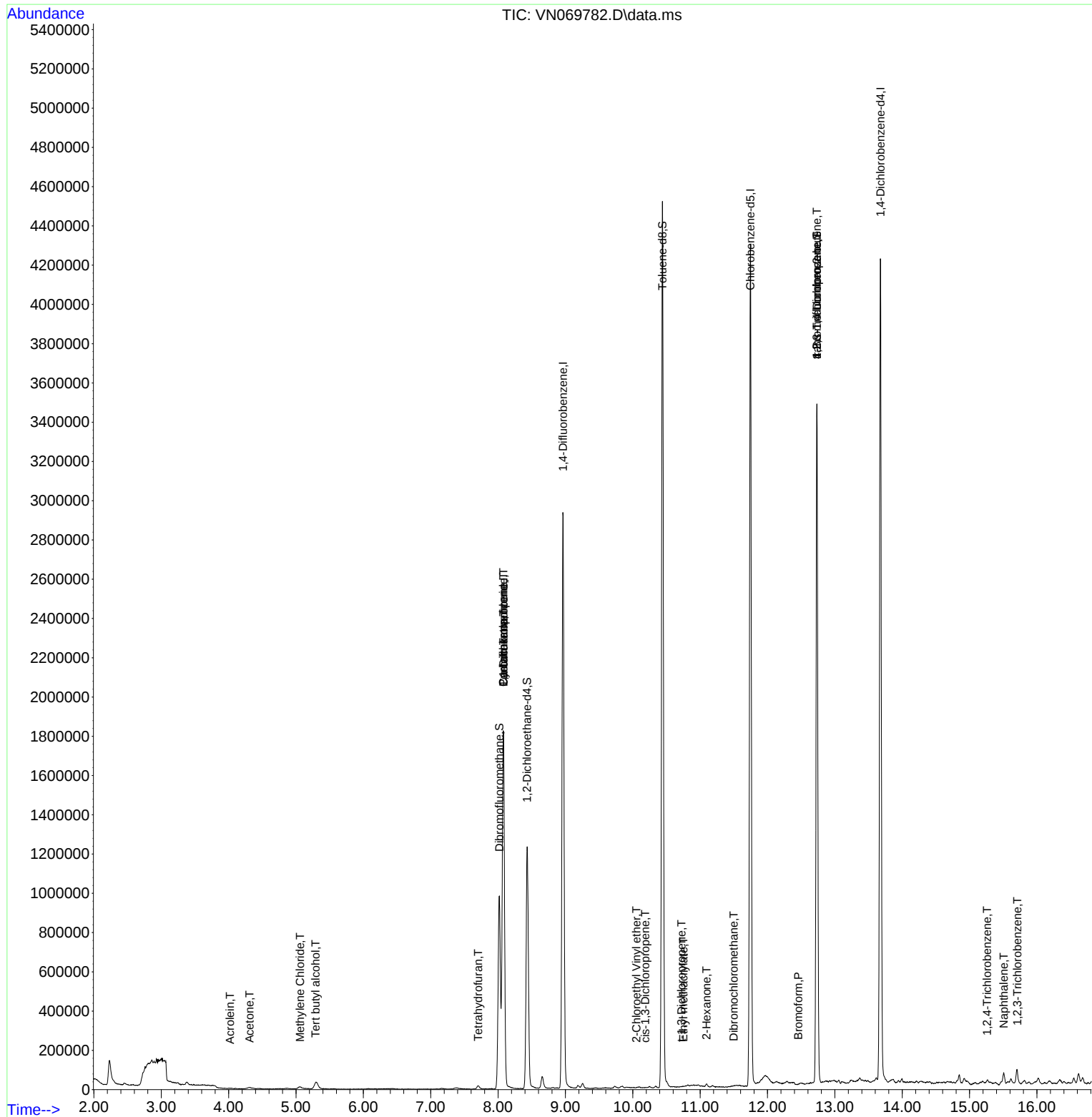
Internal Standards						
1) Pentafluorobenzene	8.080	168	1393514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	2464844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2368632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	1088069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.432	65	1068680	49.669	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.340%
35) Dibromofluoromethane	8.018	113	709466	45.952	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.900%
50) Toluene-d8	10.440	98	3070050	49.522	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.040%
62) 4-Bromofluorobenzene	12.733	95	1177924	52.448	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.291	59	38747	9.527	ug/l #	73
13) Acrolein	4.022	56	757	0.219	ug/l	83
16) Acetone	4.312	43	12215	0.944	ug/l	97
20) Methylene Chloride	5.060	84	7626	0.443	ug/l	91
29) Tetrahydrofuran	7.702	42	14561	1.364	ug/l #	71
31) Cyclohexane	8.077	56	36146	1.207	ug/l #	29
36) 1,1-Dichloropropene	8.080	75	117766	5.019	ug/l #	49
38) Carbon Tetrachloride	8.077	117	144983	6.301	ug/l #	16
53) t-1,3-Dichloropropene	10.722	75	722	2.818	ug/l #	77
54) cis-1,3-Dichloropropene	10.186	75	402	2.011	ug/l #	68
56) Ethyl methacrylate	10.751	69	568	2.295	ug/l #	45
58) 2-Chloroethyl Vinyl ether	10.054	63	335	18.423	ug/l	97
59) 2-Hexanone	11.095	43	10997	0.434	ug/l	94
60) Dibromochloromethane	11.500	129	121	2.382	ug/l	61
71) Bromoform	12.457	173	370	2.755	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	657910	21.085	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	657910	67.464	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	5550	3.171	ug/l	94
95) Naphthalene	15.507	128	49926	4.849	ug/l	97
96) 1,2,3-Trichlorobenzene	15.708	180	6478	2.790	ug/l #	91

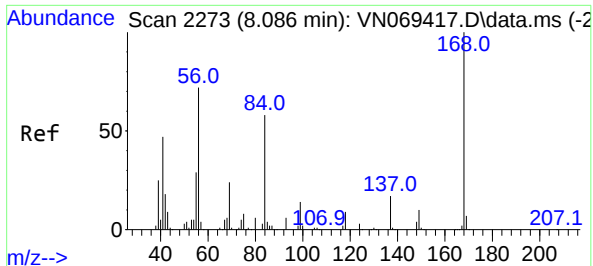
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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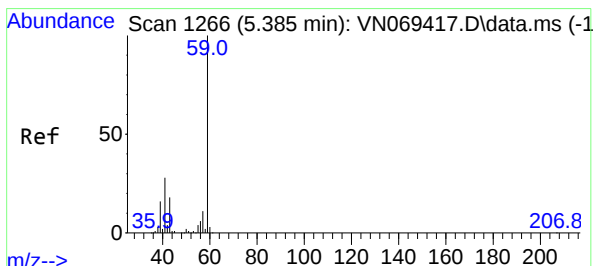
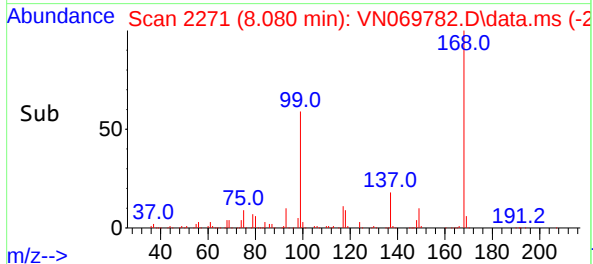
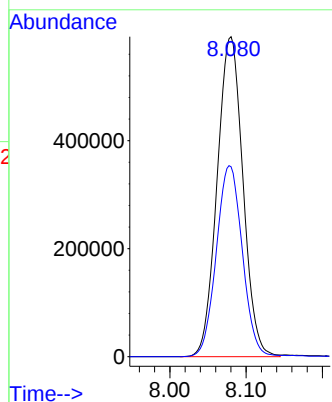
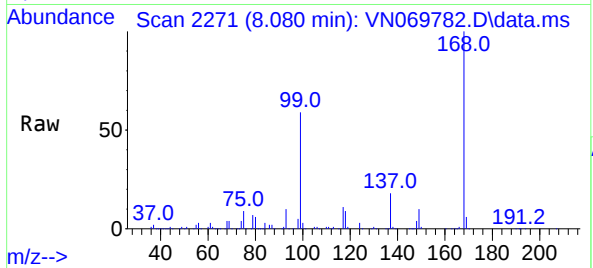




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

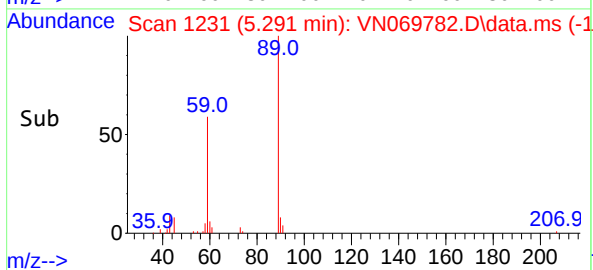
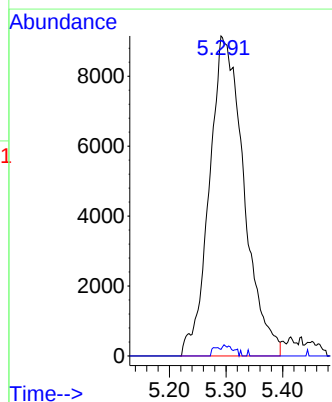
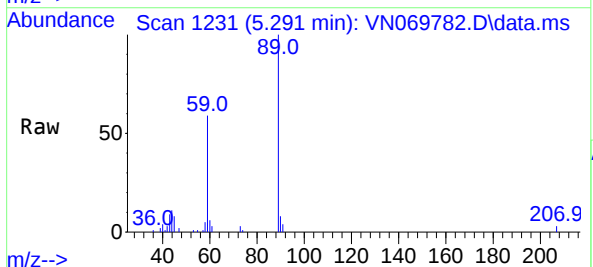
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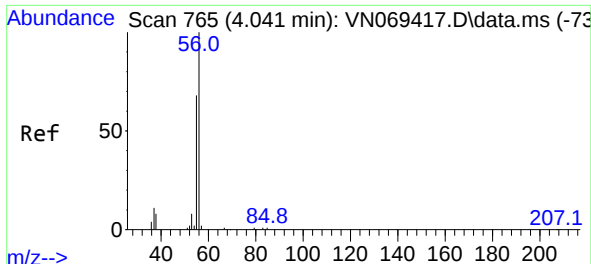
Tgt Ion:168 Resp: 1393514
Ion Ratio Lower Upper
168 100
99 59.4 41.3 61.9



#11
Tert butyl alcohol
Concen: 9.527 ug/l
RT: 5.291 min Scan# 1231
Delta R.T. -0.099 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

Tgt Ion: 59 Resp: 38747
Ion Ratio Lower Upper
59 100
57 0.6 8.7 13.1#

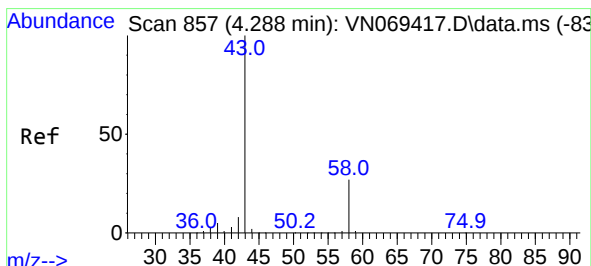
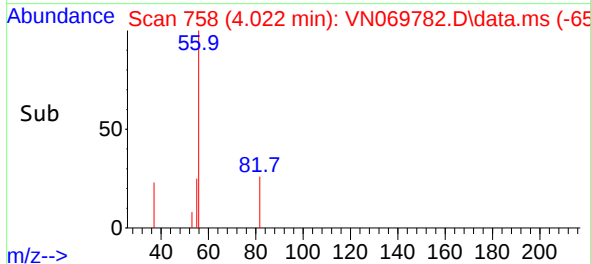
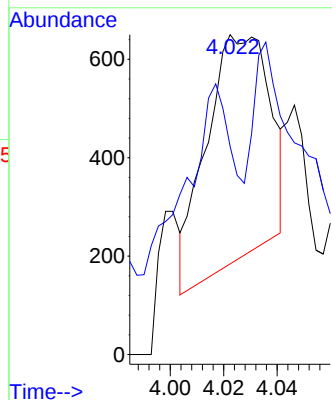
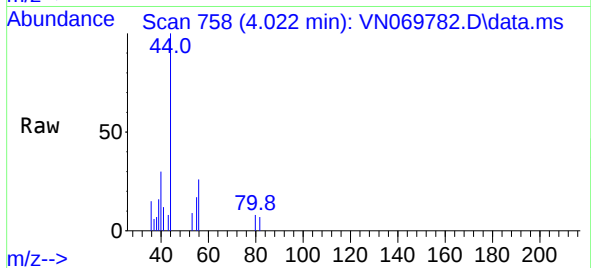




#13
Acrolein
Concen: 0.219 ug/l
RT: 4.022 min Scan# 757
Delta R.T. -0.016 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

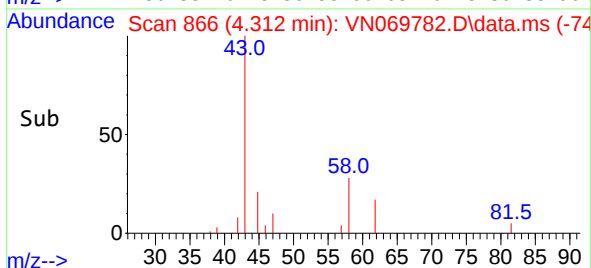
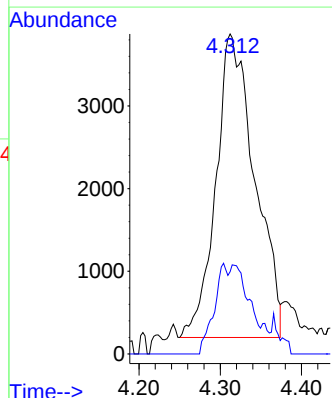
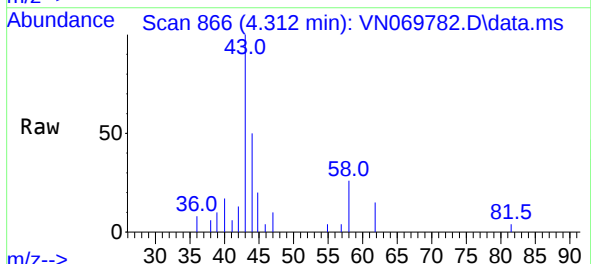
Instrument :
MSVOA_N
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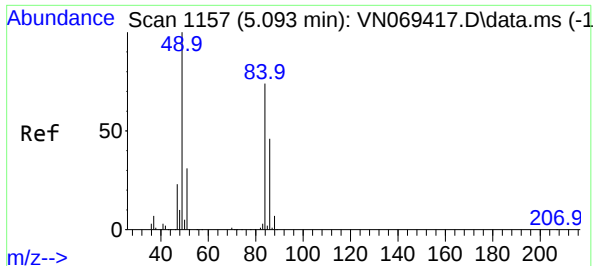
Tgt Ion: 56 Resp: 757
Ion Ratio Lower Upper
56 100
55 84.9 56.6 85.0



#16
Acetone
Concen: 0.944 ug/l
RT: 4.312 min Scan# 866
Delta R.T. 0.021 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

Tgt Ion: 43 Resp: 12215
Ion Ratio Lower Upper
43 100
58 27.1 23.1 34.7



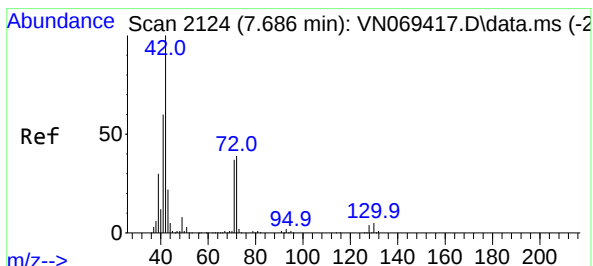
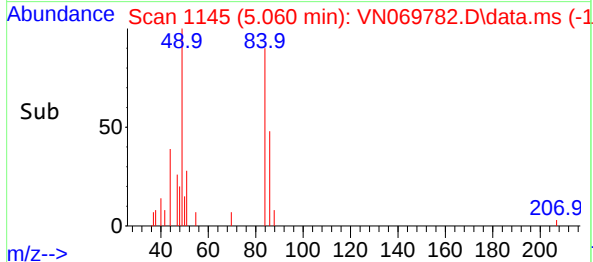
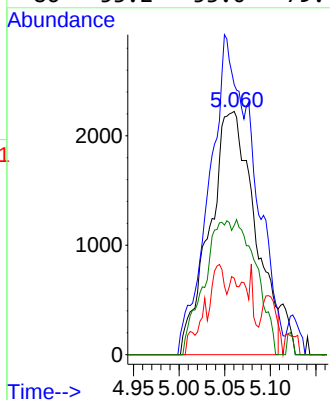
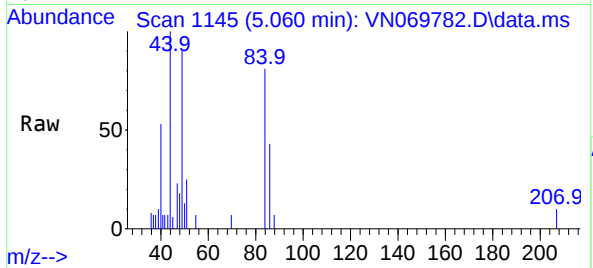


#20
Methylene Chloride
Concen: 0.443 ug/l
RT: 5.060 min Scan# 1157
Delta R.T. -0.032 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

Instrument :
MSVOA_N
ClientSampleId :
EO-1-120121

Tgt Ion: 84 Resp: 7626

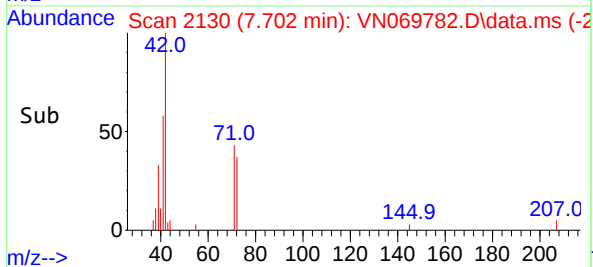
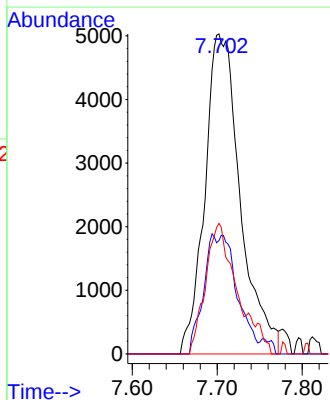
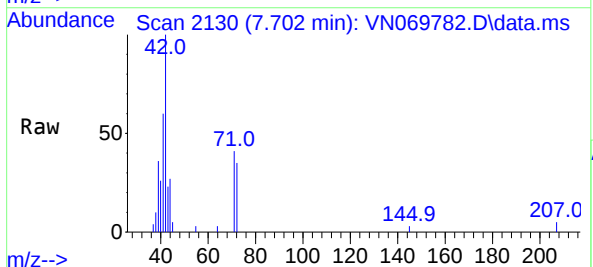
Ion	Ratio	Lower	Upper
84	100		
49	111.1	93.5	140.3
51	31.5	29.4	44.2
86	53.2	53.0	79.4

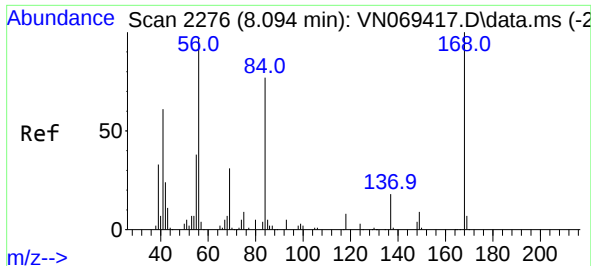


#29
Tetrahydrofuran
Concen: 1.364 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.016 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

Tgt Ion: 42 Resp: 14561

Ion	Ratio	Lower	Upper
42	100		
72	14.7	36.3	54.5#
71	36.4	34.7	52.1

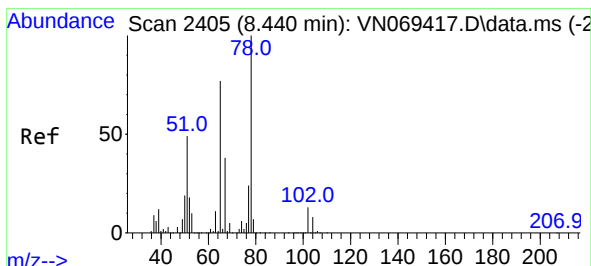
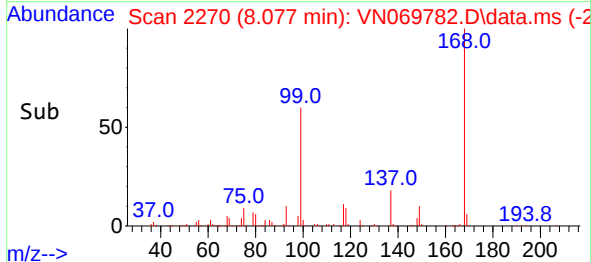
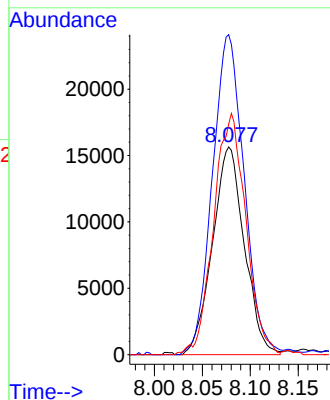
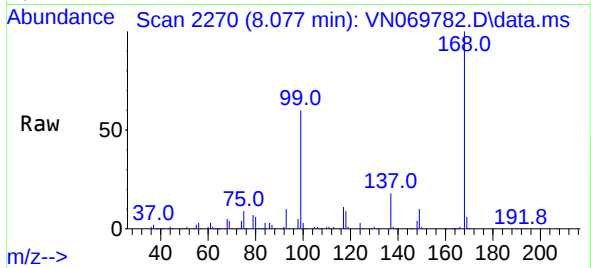




#31
Cyclohexane
Concen: 1.207 ug/l
RT: 8.077 min Scan# 21
Delta R.T. -0.016 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

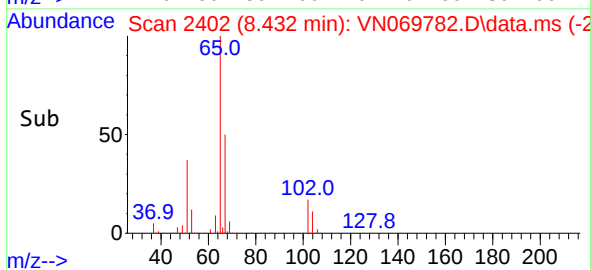
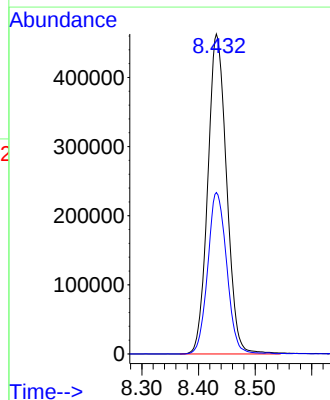
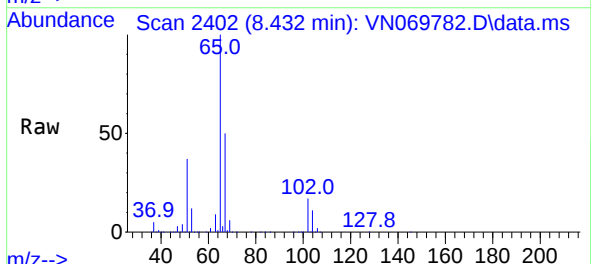
Instrument :
MSVOA_N
ClientSampleId :
EO-1-120121

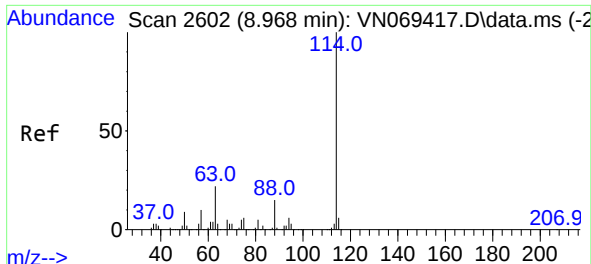
Tgt Ion: 56 Resp: 36146
Ion Ratio Lower Upper
56 100
69 154.1 27.1 40.7#
84 110.0 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 49.669 ug/l
RT: 8.432 min Scan# 2402
Delta R.T. -0.005 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

Tgt Ion: 65 Resp: 1068680
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0

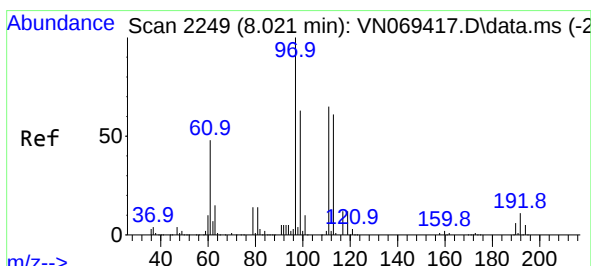
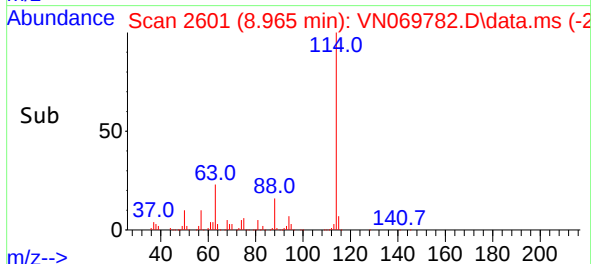
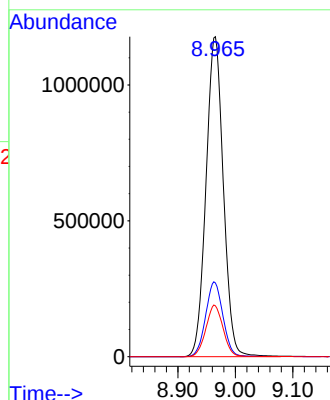
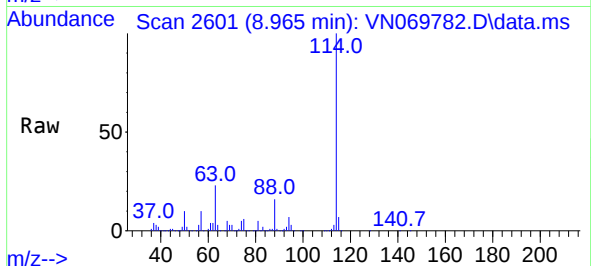




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

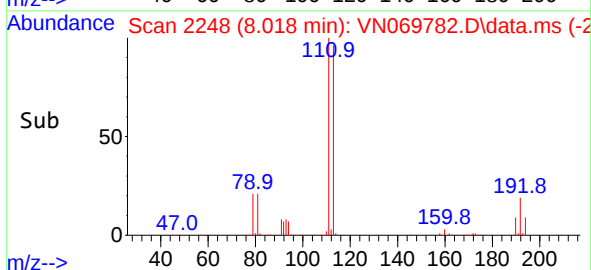
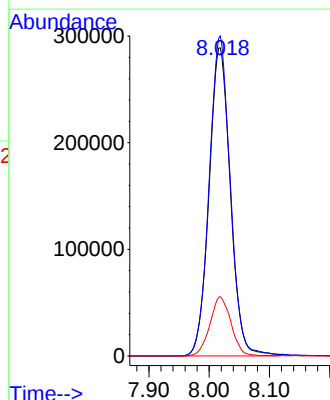
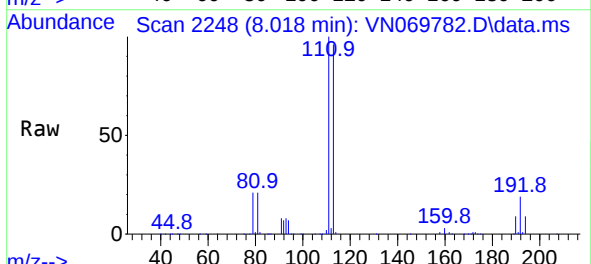
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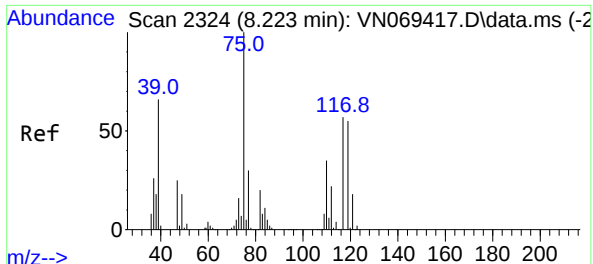
Tgt Ion:114 Resp: 2464844
Ion Ratio Lower Upper
114 100
63 23.1 0.0 37.8
88 15.9 0.0 27.4



#35
Dibromofluoromethane
Concen: 45.952 ug/l
RT: 8.018 min Scan# 2248
Delta R.T. -0.005 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

Tgt Ion:113 Resp: 709466
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 19.1 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.019 ug/l

RT: 8.080 min Scan# 21

Delta R.T. -0.142 min

Lab File: VN069782.D

Acq: 6 Dec 2021 14:35

Instrument :

MSVOA_N

ClientSampleId :

EO-1-120121

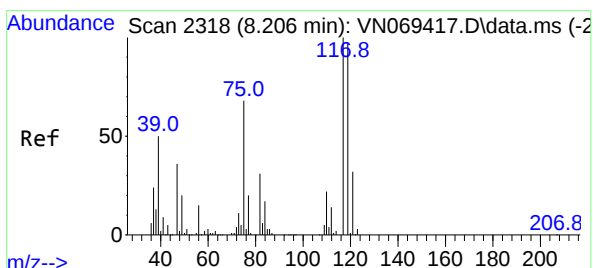
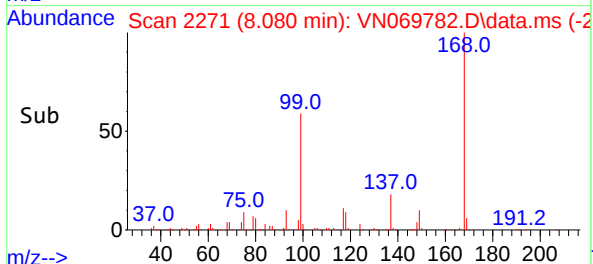
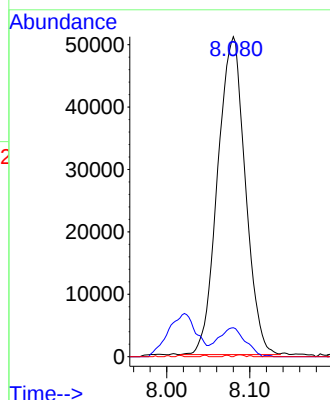
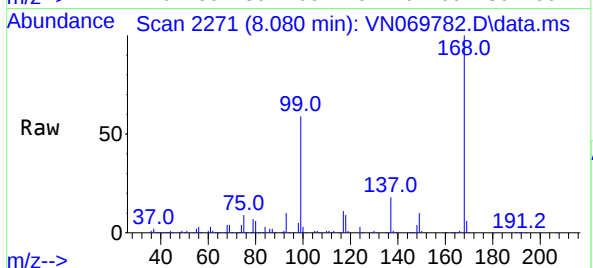
Tgt Ion: 75 Resp: 117766

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.2#

77 0.1 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.301 ug/l

RT: 8.077 min Scan# 2270

Delta R.T. -0.129 min

Lab File: VN069782.D

Acq: 6 Dec 2021 14:35

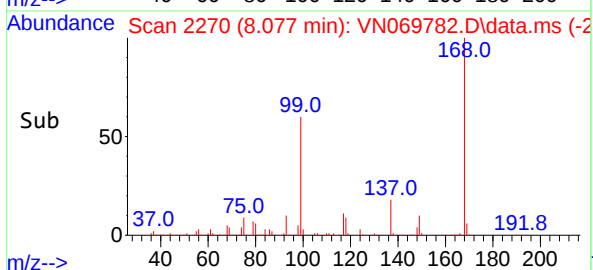
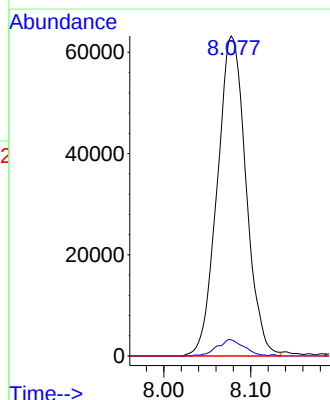
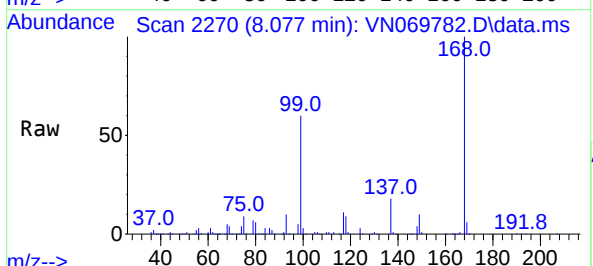
Tgt Ion: 117 Resp: 144983

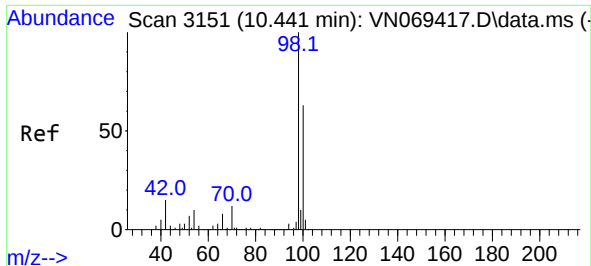
Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

121 0.0 24.2 36.2#

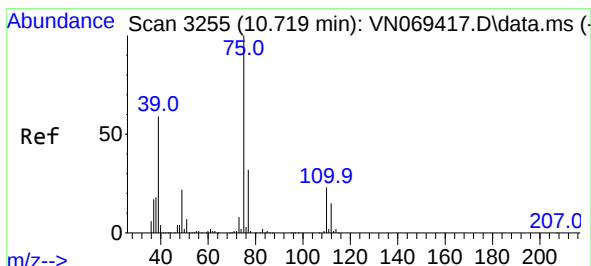
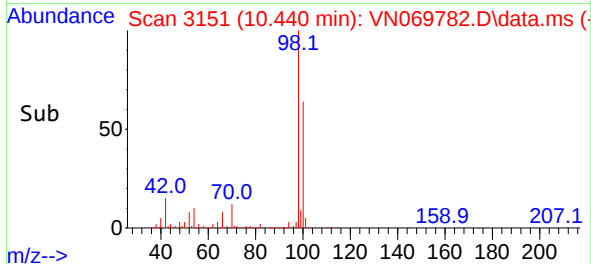
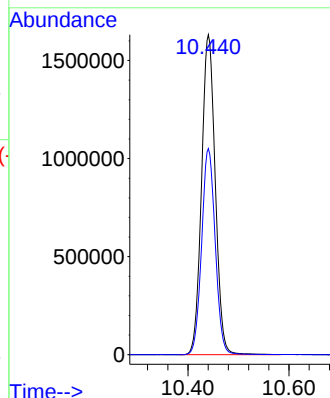
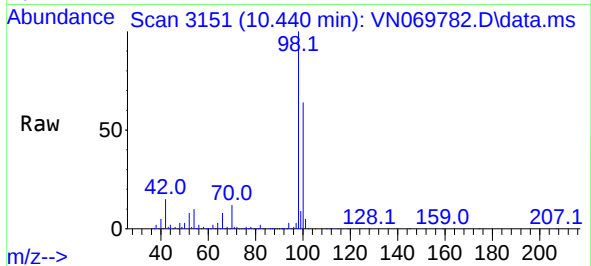




#50
Toluene-d8
Concen: 49.522 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

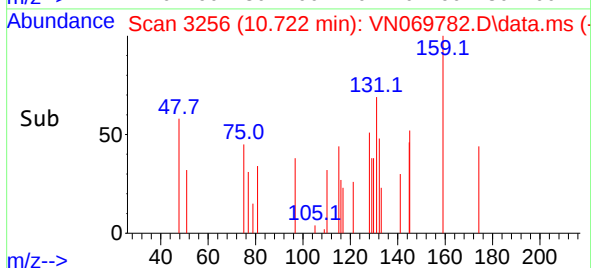
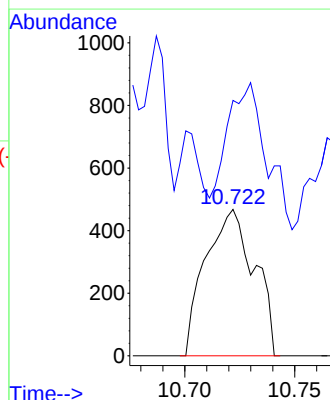
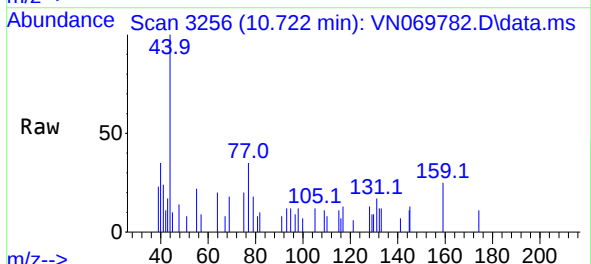
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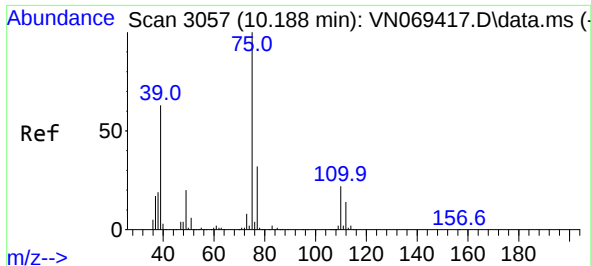
Tgt Ion: 98 Resp: 3070050
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.818 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

Tgt Ion: 75 Resp: 722
Ion Ratio Lower Upper
75 100
77 44.7 25.6 38.4#

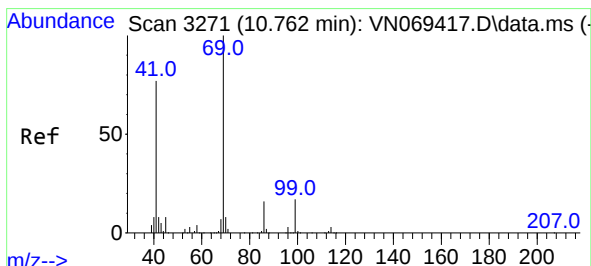
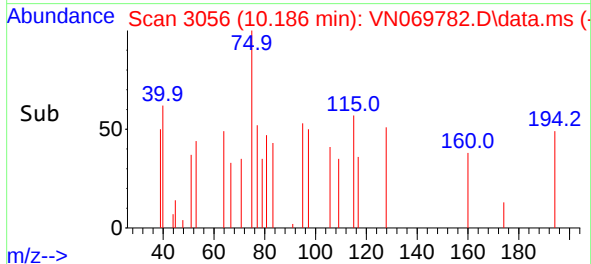
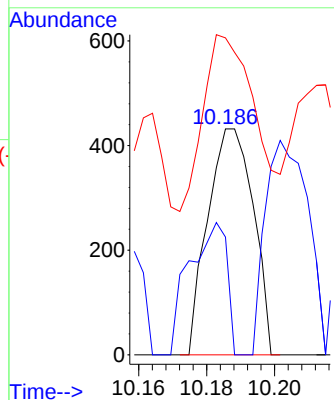
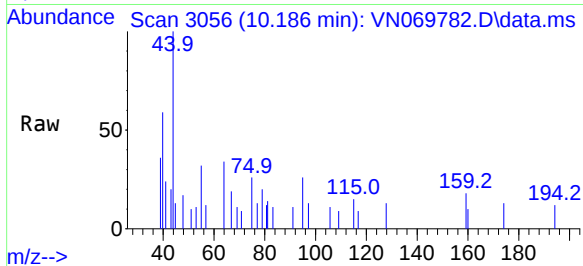




#54
 cis-1,3-Dichloropropene
 Concen: 2.011 ug/l
 RT: 10.186 min Scan# 3057
 Delta R.T. -0.005 min
 Lab File: VN069782.D
 Acq: 6 Dec 2021 14:35

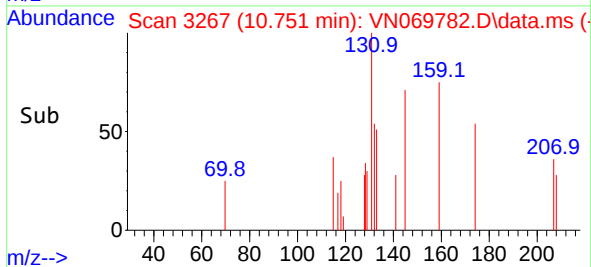
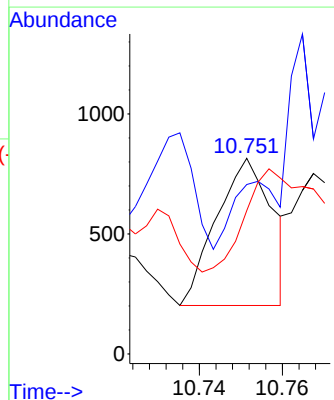
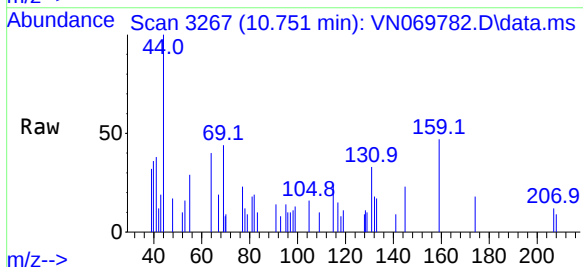
Instrument :
 MSVOA_N
 ClientSampleId :
 EO-1-120121

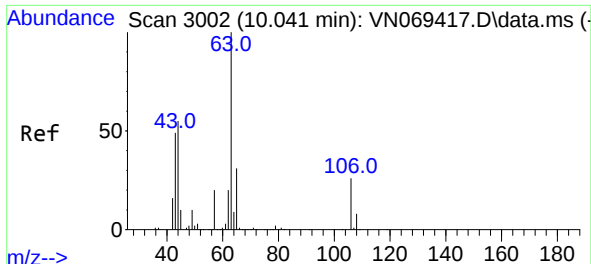
Tgt Ion: 75 Resp: 402
 Ion Ratio Lower Upper
 75 100
 77 16.4 26.4 39.6#
 39 76.9 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.295 ug/l
 RT: 10.751 min Scan# 3267
 Delta R.T. -0.011 min
 Lab File: VN069782.D
 Acq: 6 Dec 2021 14:35

Tgt Ion: 69 Resp: 568
 Ion Ratio Lower Upper
 69 100
 41 31.3 51.4 77.0#
 39 90.3 34.6 52.0#

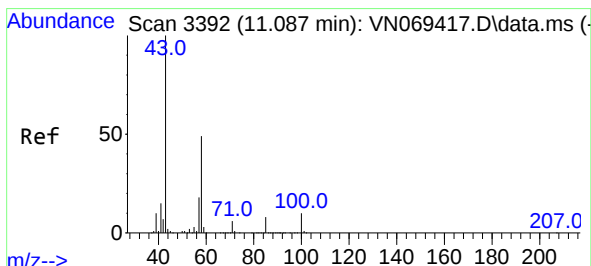
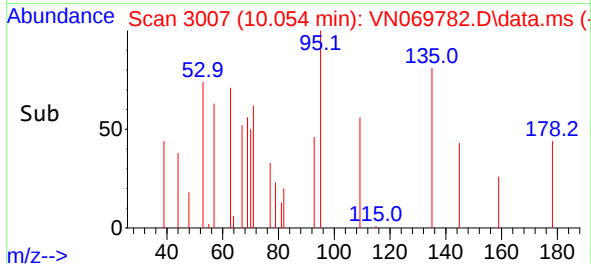
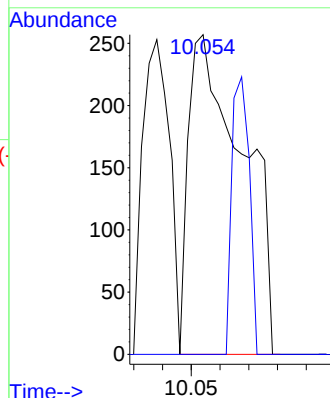
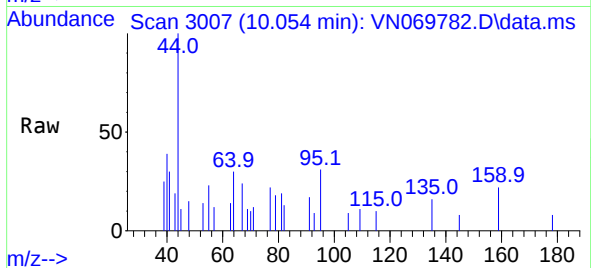




#58
2-Chloroethyl Vinyl ether
Concen: 18.423 ug/l
RT: 10.054 min Scan# 3007
Delta R.T. 0.011 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

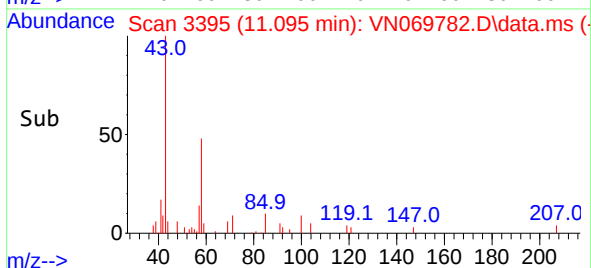
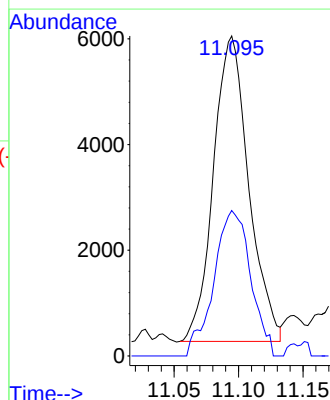
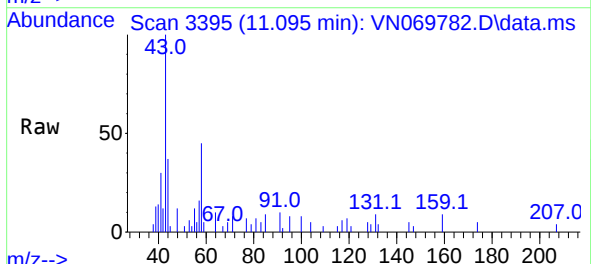
Instrument :
MSVOA_N
ClientSampleId :
EO-1-120121

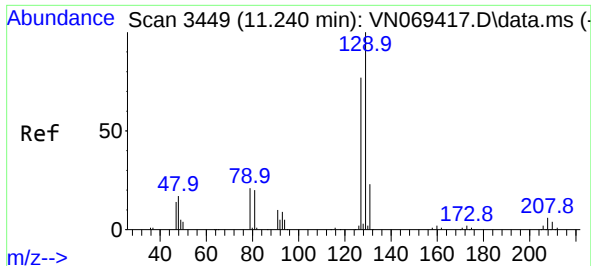
Tgt Ion: 63 Resp: 335
Ion Ratio Lower Upper
63 100
106 28.1 23.9 35.9



#59
2-Hexanone
Concen: 0.434 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

Tgt Ion: 43 Resp: 10997
Ion Ratio Lower Upper
43 100
58 49.5 26.9 80.7

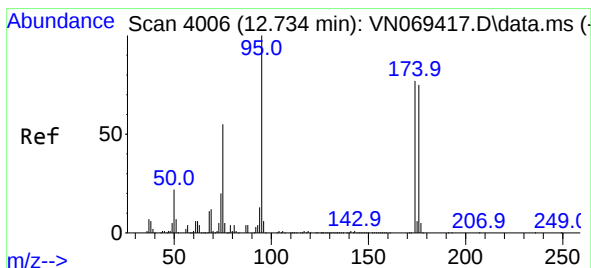
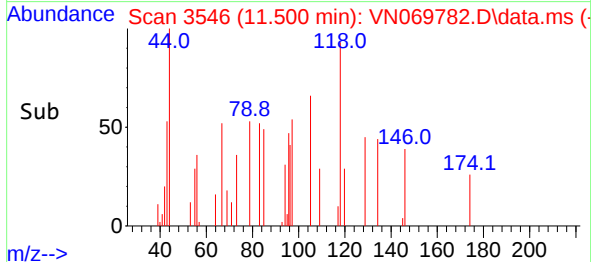
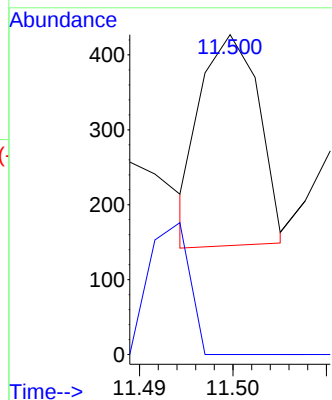
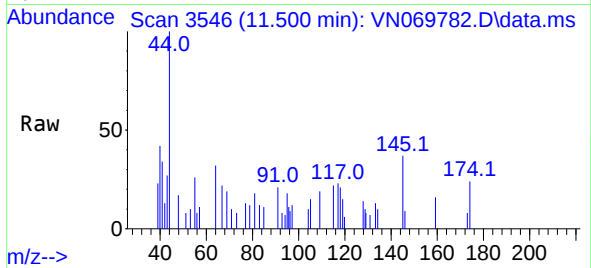




#60
Dibromochloromethane
Concen: 2.382 ug/l
RT: 11.500 min Scan# 311
Delta R.T. 0.260 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

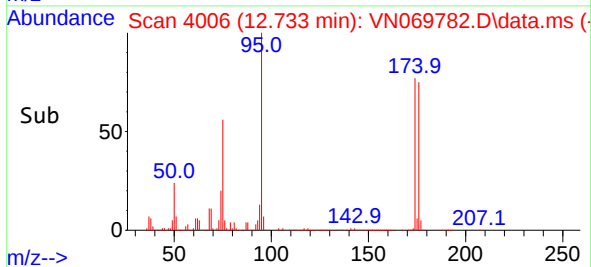
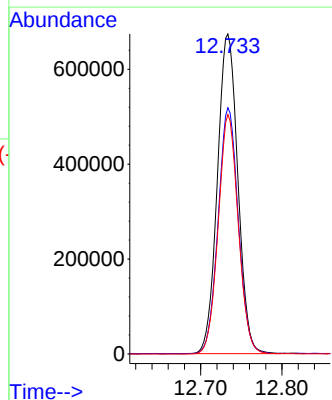
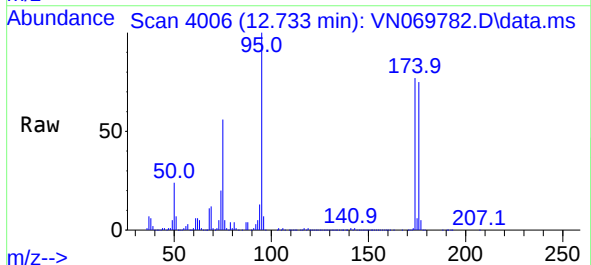
Instrument :
MSVOA_N
ClientSampleId :
EO-1-120121

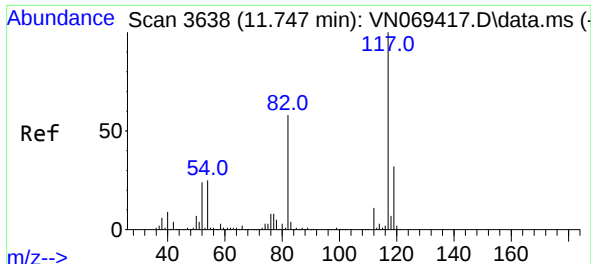
Tgt Ion:129 Resp: 121
Ion Ratio Lower Upper
129 100
127 43.8 38.6 116.0



#62
4-Bromofluorobenzene
Concen: 52.448 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

Tgt Ion: 95 Resp: 1177924
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.2 0.0 181.4



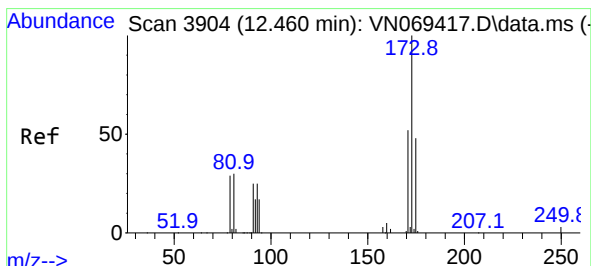
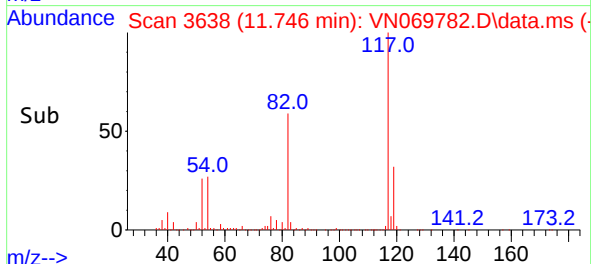
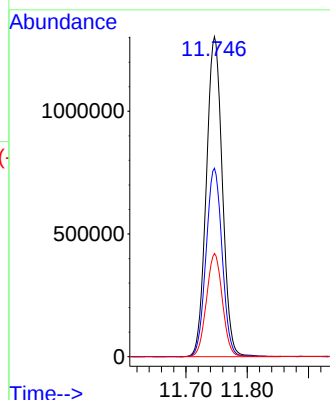
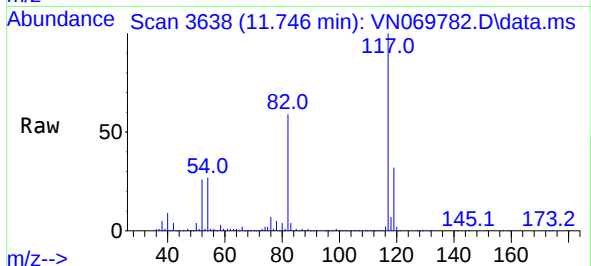


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

Instrument :
MSVOA_N
ClientSampleId :
EO-1-120121

Tgt Ion:117 Resp: 2368632

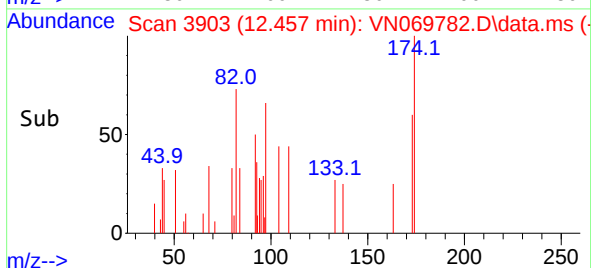
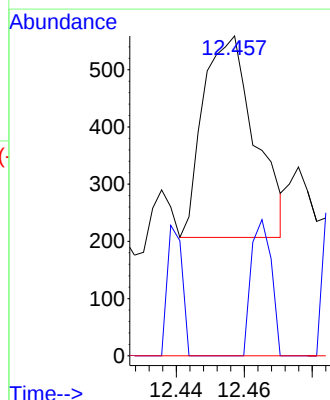
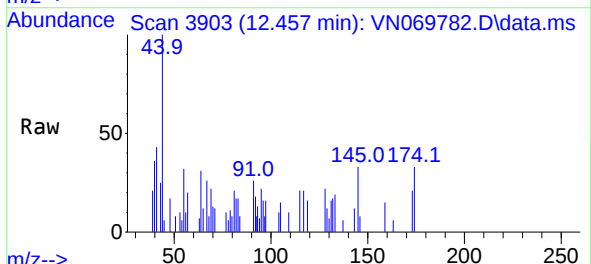
Ion	Ratio	Lower	Upper
117	100		
82	58.9	42.4	63.6
119	32.2	25.4	38.2

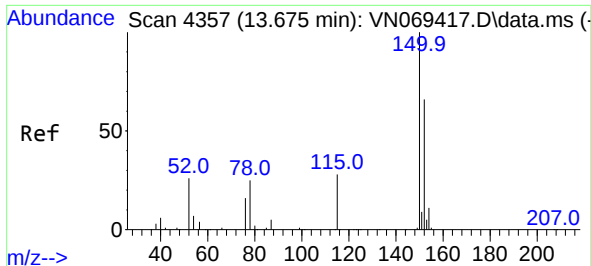


#71
Bromoform
Concen: 2.755 ug/l
RT: 12.457 min Scan# 3903
Delta R.T. -0.003 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

Tgt Ion:173 Resp: 370

Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6
254	0.0	0.0	0.0

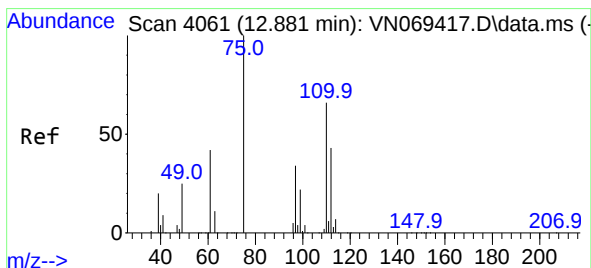
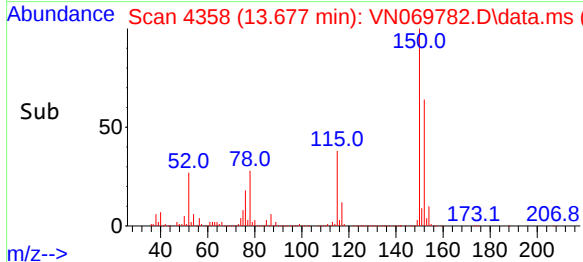
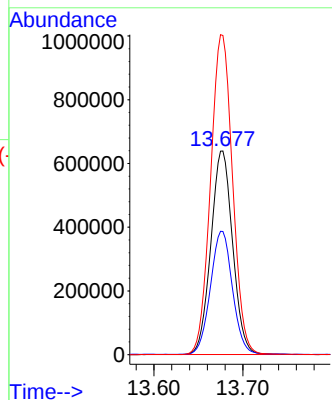
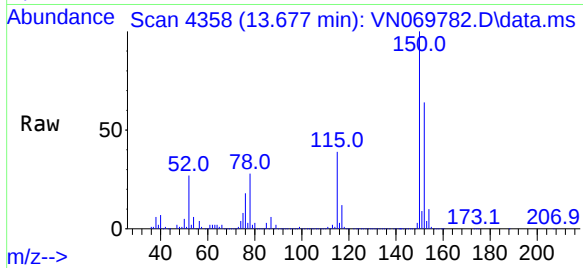




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

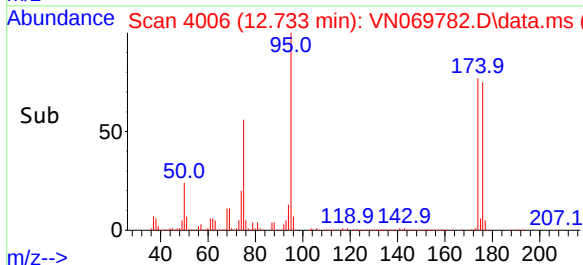
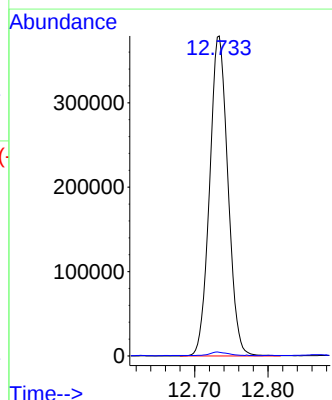
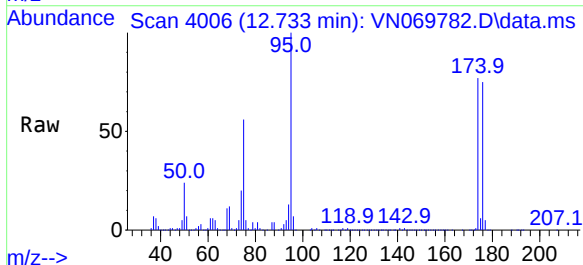
Instrument :
MSVOA_N
ClientSampleId :
EO-1-120121

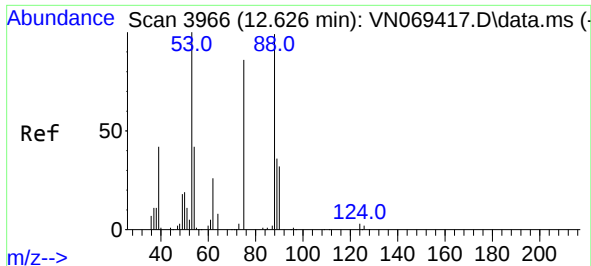
Tgt Ion:152 Resp: 1088069
Ion Ratio Lower Upper
152 100
115 61.2 27.5 82.5
150 158.4 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 21.085 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

Tgt Ion: 75 Resp: 657910
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

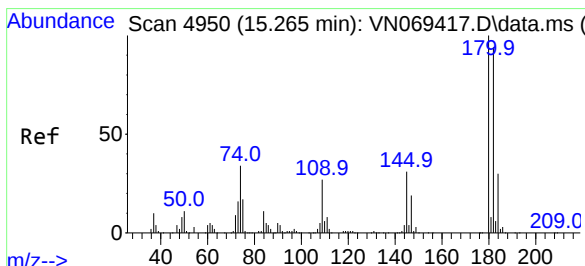
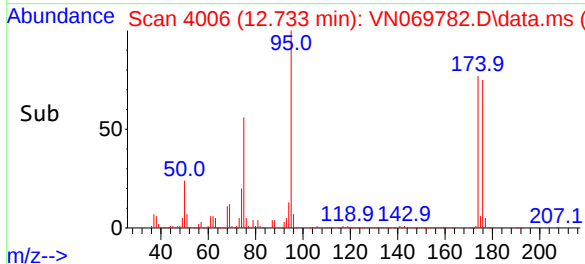
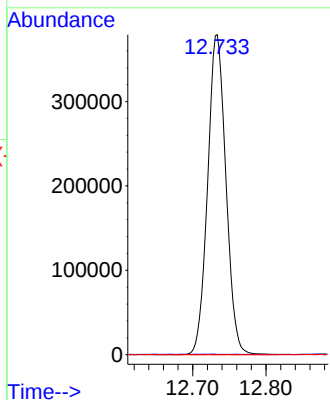
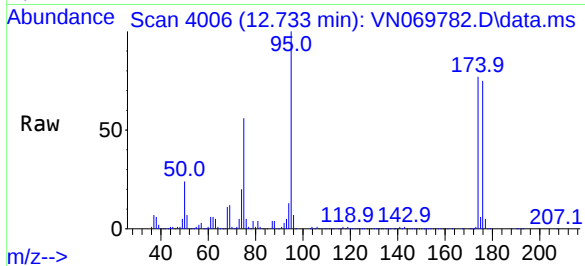




#81
trans-1,4-Dichloro-2-butene
Concen: 67.464 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

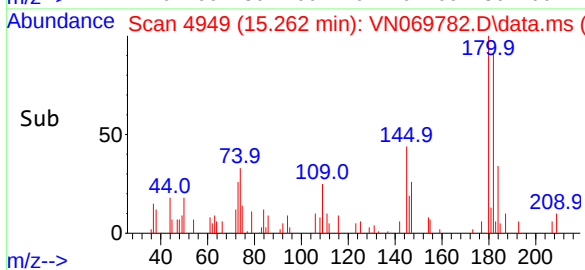
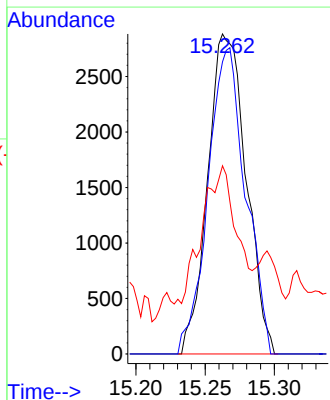
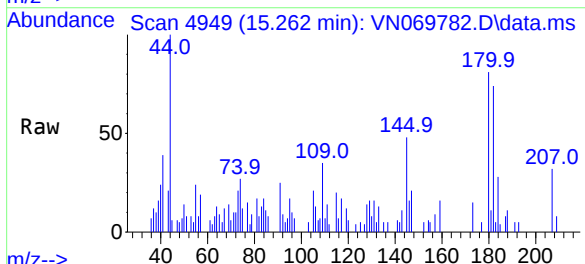
Instrument :
MSVOA_N
ClientSampleId :
EO-1-120121

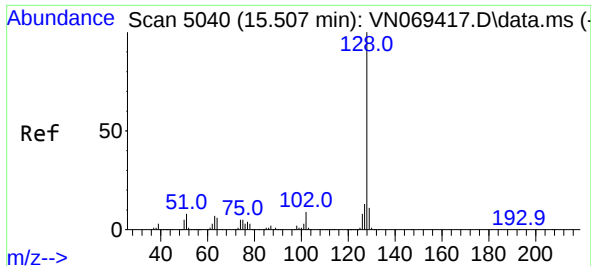
Tgt Ion: 75 Resp: 657910
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.171 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

Tgt Ion:180 Resp: 5550
Ion Ratio Lower Upper
180 100
182 93.5 48.3 144.9
145 38.0 14.5 43.5

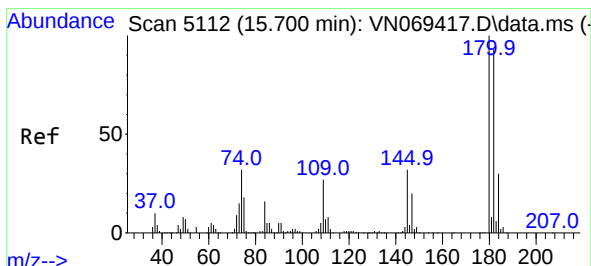
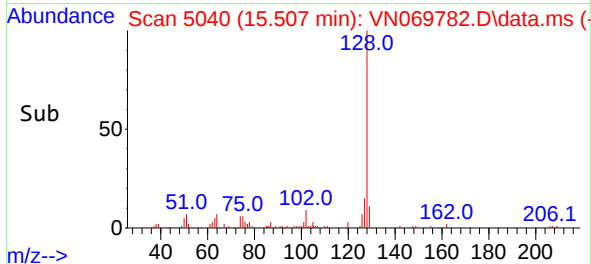
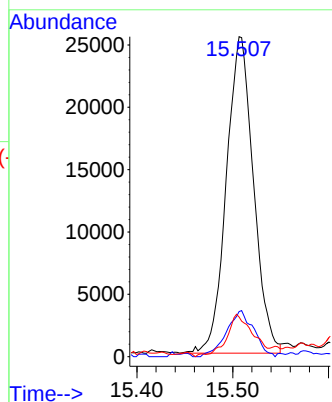
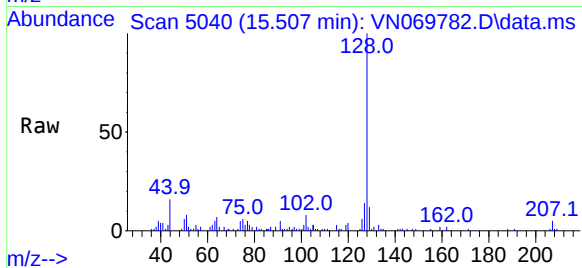




#95
Naphthalene
Concen: 4.849 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

Instrument :
MSVOA_N
ClientSampleId :
EO-1-120121

Tgt Ion:	128	Resp:	49926
Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.5	15.7
129	11.3	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.790 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN069782.D
Acq: 6 Dec 2021 14:35

Tgt Ion:	180	Resp:	6478
Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.4	142.2
145	11.7	15.0	45.1#

