

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075747.D
 Acq On : 13 Dec 2022 07:40
 Operator : JC\MD
 Sample : N5964-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-518-COMP-03

Quant Time: Dec 13 08:33:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

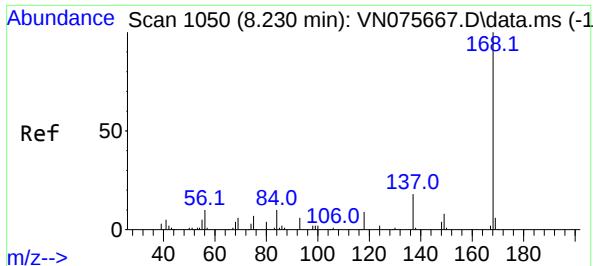
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	244336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	396174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	356595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	151672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	127415	49.148	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.300%		
35) Dibromofluoromethane	8.171	113	115175	47.650	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.300%		
50) Toluene-d8	10.565	98	460192	50.697	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.400%		
62) 4-Bromofluorobenzene	12.847	95	147458	47.512	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.020%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.536	59	850	2.216	ug/l #	72
16) Acetone	4.454	43	11198	12.755	ug/l	92
18) Methyl Acetate	5.036	43	2570	0.911	ug/l #	49
20) Methylene Chloride	5.295	84	8468	3.235	ug/l #	90
25) 2-Butanone	7.500	43	952	0.742	ug/l	89
29) Tetrahydrofuran	7.577	42	884	1.117	ug/l #	25
31) Cyclohexane	8.236	56	4718	1.229	ug/l #	39
36) 1,1-Dichloropropene	8.230	75	17721	5.521	ug/l #	49
37) Ethyl Acetate	7.571	43	19013	7.378	ug/l	97
38) Carbon Tetrachloride	8.230	117	24319	6.566	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	779	0.236	ug/l #	71
43) Isopropyl Acetate	8.694	43	179431	41.708	ug/l #	73
45) 1,2-Dichloropropane	9.741	63	1172	0.500	ug/l #	43
48) Methyl methacrylate	9.741	41	78026	39.380	ug/l #	33
51) 4-Methyl-2-Pentanone	10.453	43	7222	2.722	ug/l #	61
53) t-1,3-Dichloropropene	10.730	75	692	0.203	ug/l #	84
54) cis-1,3-Dichloropropene	10.359	75	42300	11.163	ug/l #	65
56) Ethyl methacrylate	10.982	69	1224	0.353	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4787	1.157	ug/l #	41
59) 2-Hexanone	11.171	43	81911	42.502	ug/l #	20
71) Bromoform	12.853	173	951	0.470	ug/l #	1
74) N-amyl acetate	12.482	43	892	0.282	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	73131	24.009	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73131	76.708	ug/l #	13

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

Quant Time: Dec 13 08:33:32 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 12 07:54:35 2022
Response via : Initial Calibration

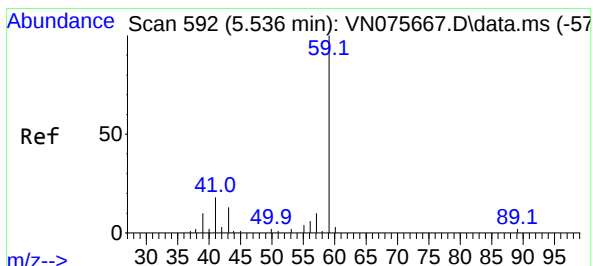
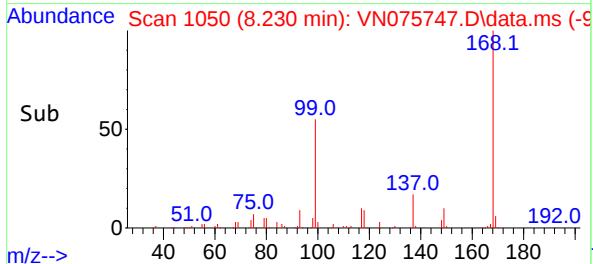
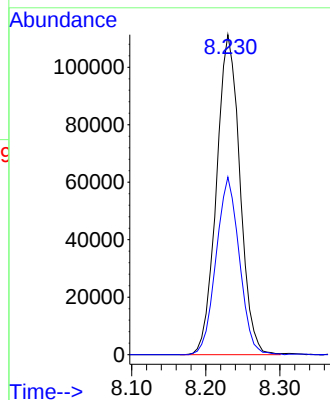
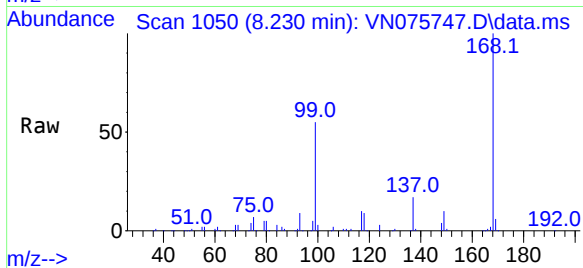




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

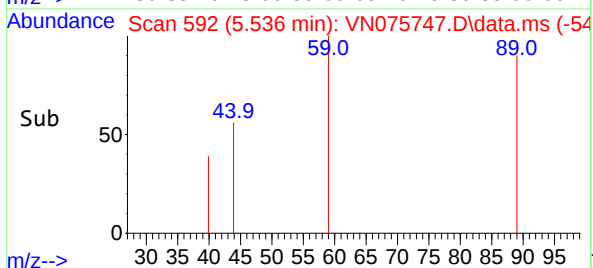
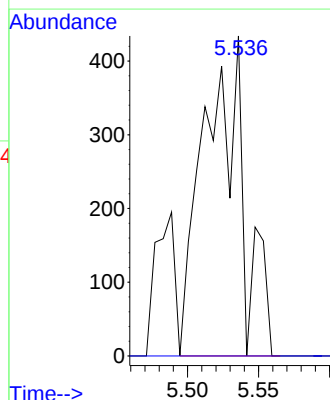
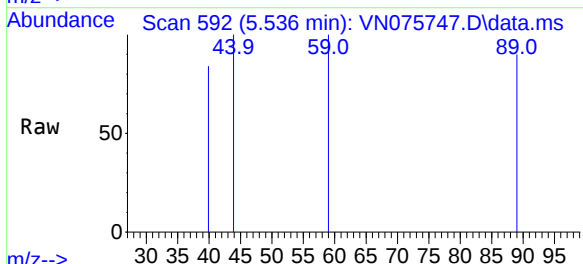
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-03

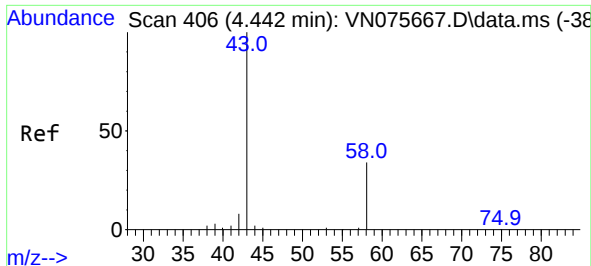
Tgt Ion:168 Resp: 244336
Ion Ratio Lower Upper
168 100
99 55.5 41.2 61.8



#11
Tert butyl alcohol
Concen: 2.216 ug/l
RT: 5.536 min Scan# 592
Delta R.T. 0.000 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

Tgt Ion: 59 Resp: 850
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

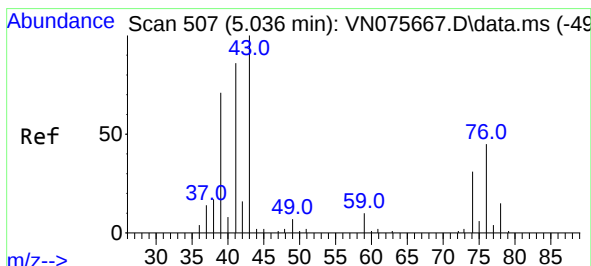
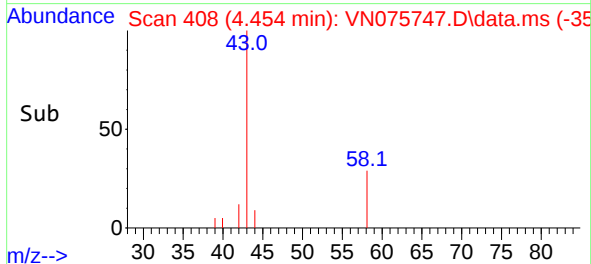
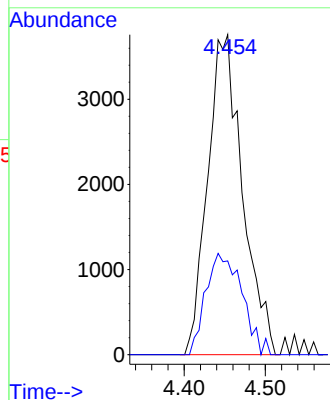
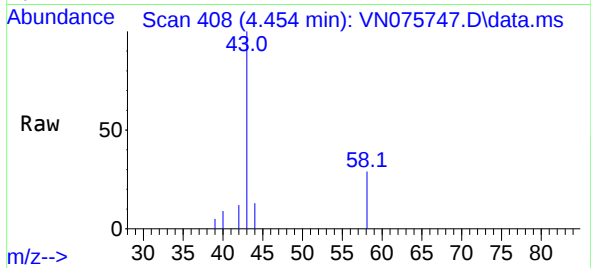




#16
Acetone
Concen: 12.755 ug/l
RT: 4.454 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

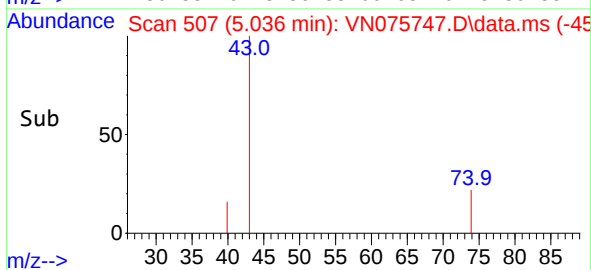
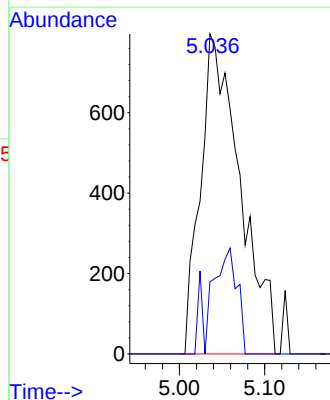
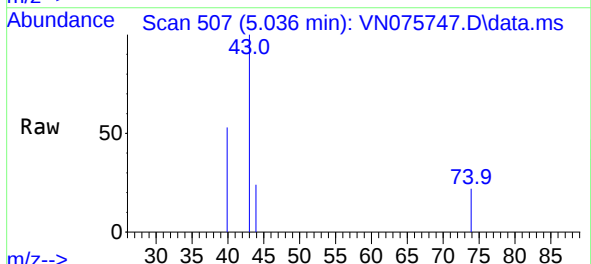
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-03

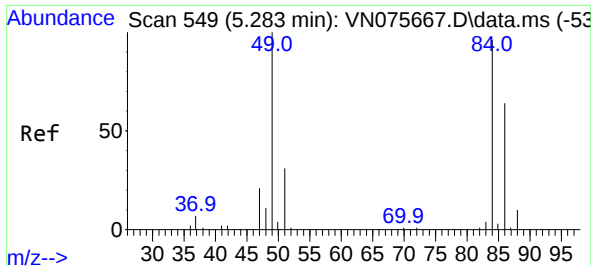
Tgt Ion: 43 Resp: 11198
Ion Ratio Lower Upper
43 100
58 29.3 27.0 40.4



#18
Methyl Acetate
Concen: 0.911 ug/l
RT: 5.036 min Scan# 507
Delta R.T. 0.000 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

Tgt Ion: 43 Resp: 2570
Ion Ratio Lower Upper
43 100
74 2.8 24.5 36.7#



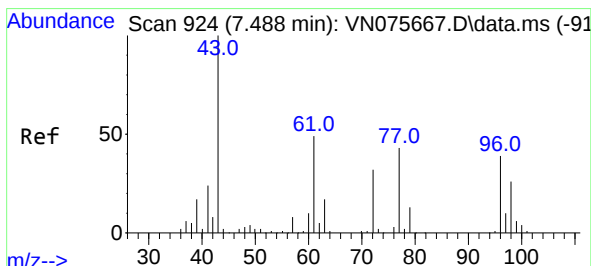
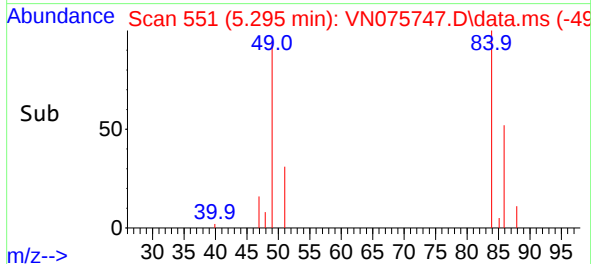
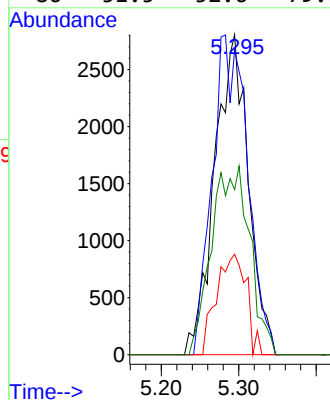
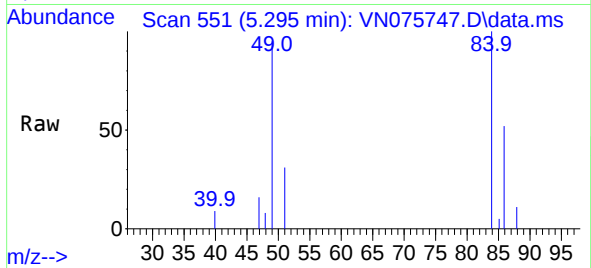


#20
Methylene Chloride
Concen: 3.235 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-03

Tgt Ion: 84 Resp: 8468

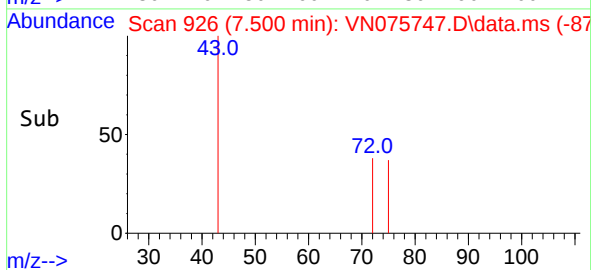
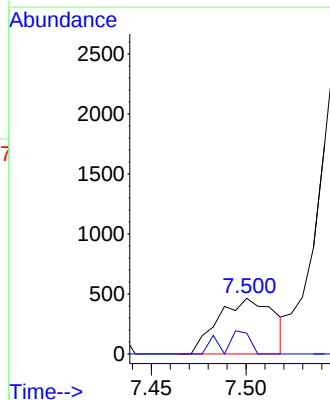
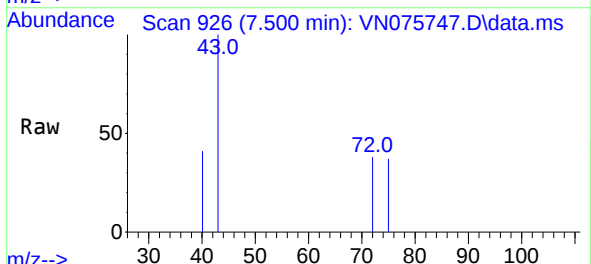
Ion	Ratio	Lower	Upper
84	100		
49	95.2	83.0	124.4
51	31.4	26.0	39.0
86	51.5	52.6	79.0

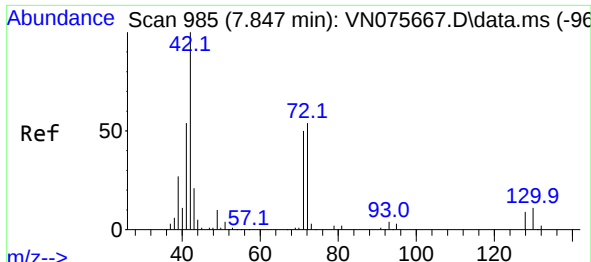


#25
2-Butanone
Concen: 0.742 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

Tgt Ion: 43 Resp: 952

Ion	Ratio	Lower	Upper
43	100		
72	37.5	25.3	37.9

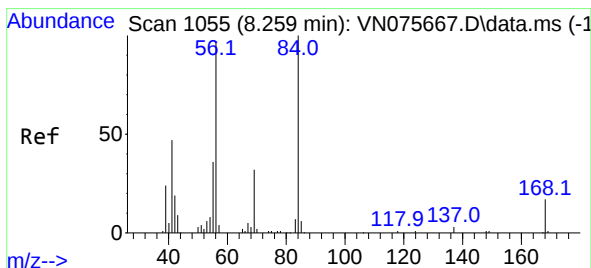
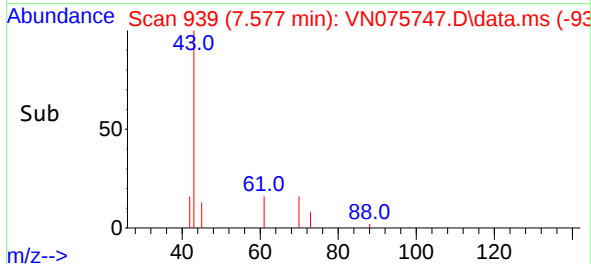
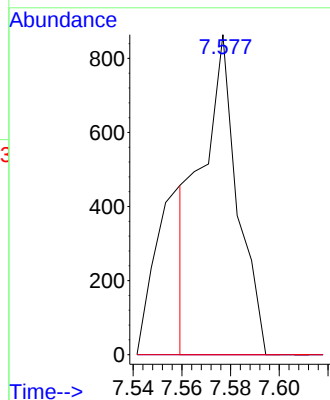
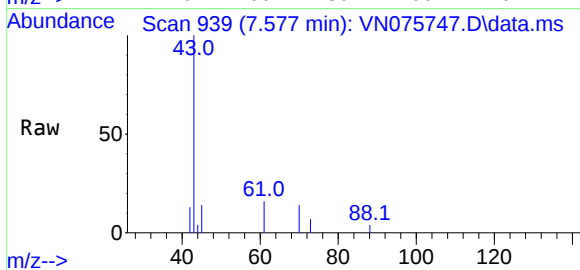




#29
Tetrahydrofuran
Concen: 1.117 ug/l
RT: 7.577 min Scan# 91
Delta R.T. -0.270 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

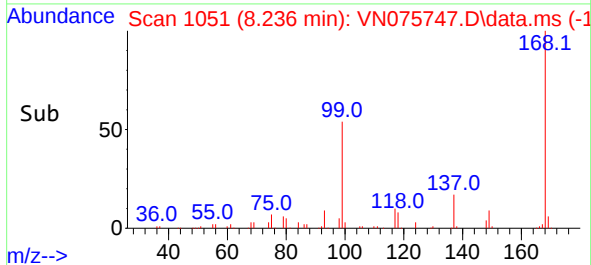
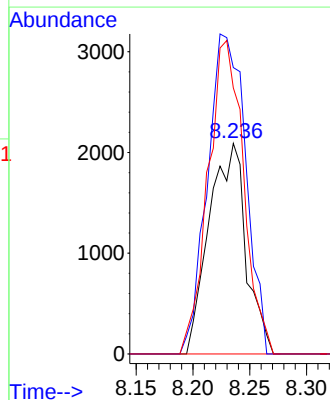
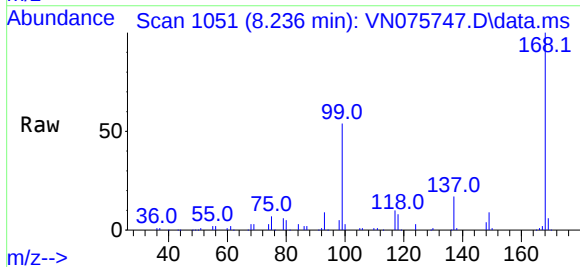
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-03

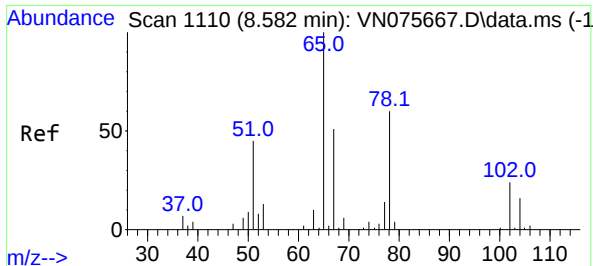
Tgt Ion: 42 Resp: 884
Ion Ratio Lower Upper
42 100
72 0.0 44.6 67.0#
71 0.0 41.2 61.8#



#31
Cyclohexane
Concen: 1.229 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.023 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

Tgt Ion: 56 Resp: 4718
Ion Ratio Lower Upper
56 100
69 136.0 26.2 39.2#
84 126.4 82.8 124.2#





#33

1,2-Dichloroethane-d4

Concen: 49.148 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075747.D

Acq: 13 Dec 2022 07:40

Instrument :

MSVOA_N

ClientSampleId :

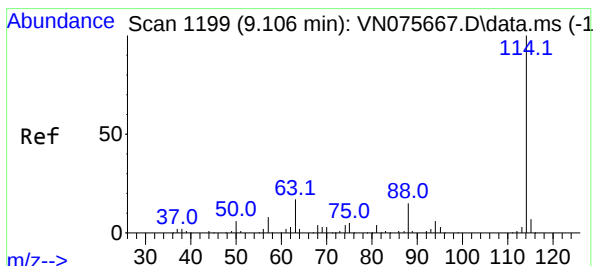
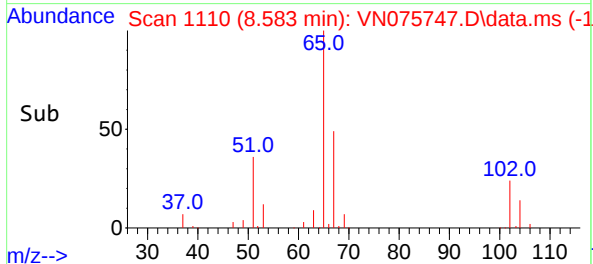
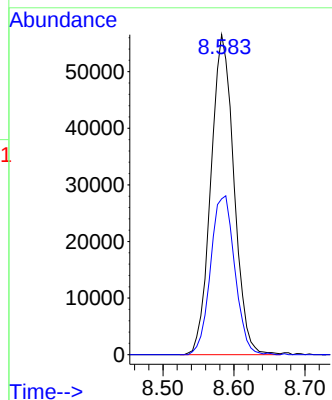
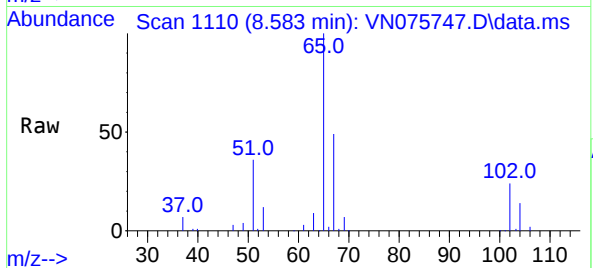
SU-518-COMP-03

Tgt Ion: 65 Resp: 127415

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075747.D

Acq: 13 Dec 2022 07:40

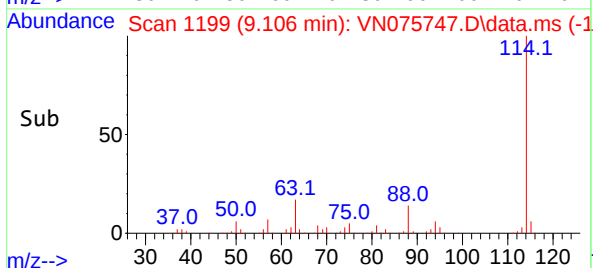
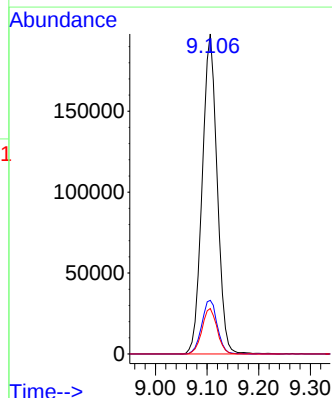
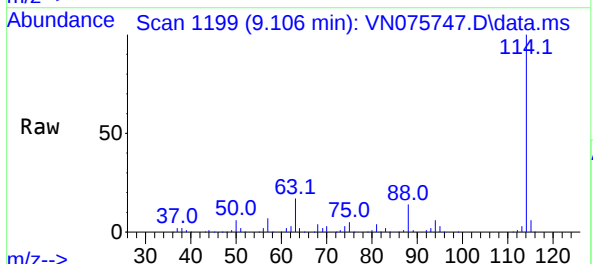
Tgt Ion: 114 Resp: 396174

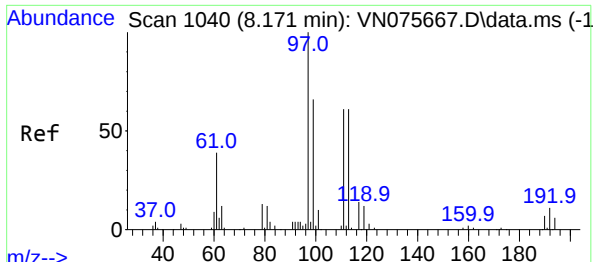
Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.4

88 14.2 0.0 29.2

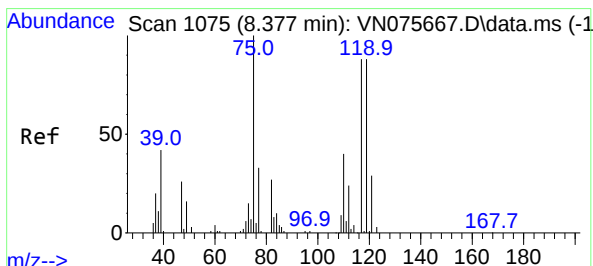
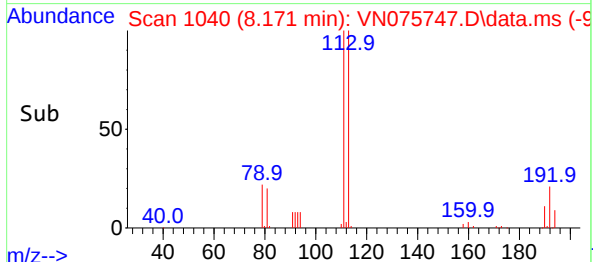
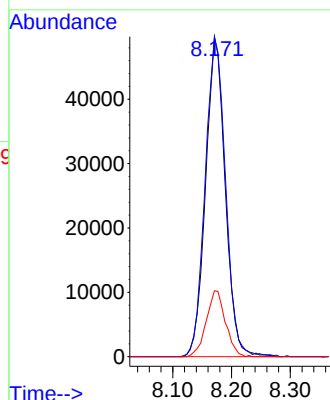
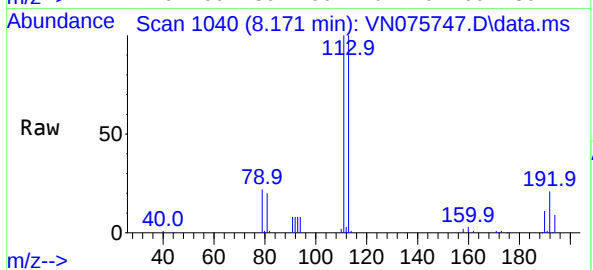




#35
Dibromofluoromethane
Concen: 47.650 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

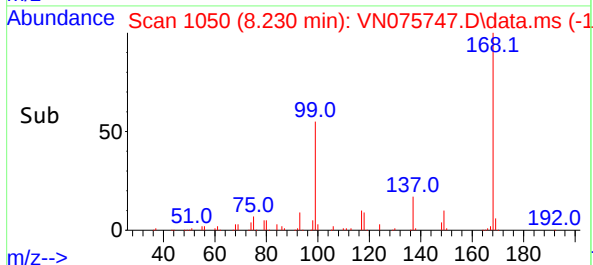
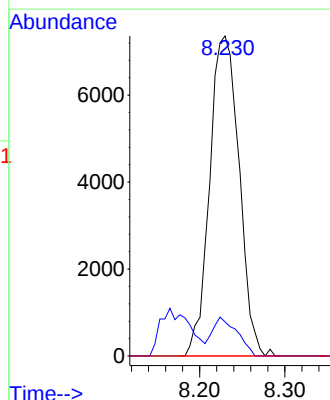
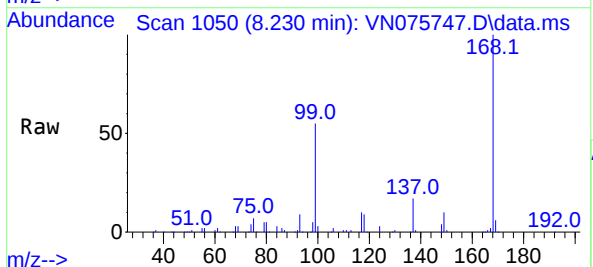
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-03

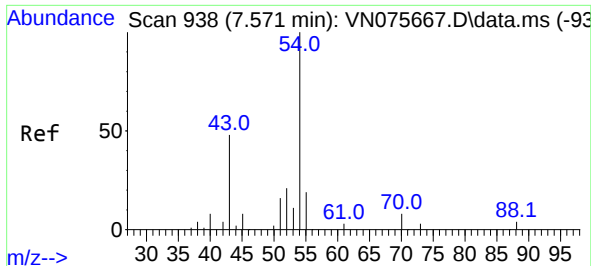
Tgt Ion:113 Resp: 115175
Ion Ratio Lower Upper
113 100
111 104.1 81.0 121.6
192 20.2 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.521 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

Tgt Ion: 75 Resp: 17721
Ion Ratio Lower Upper
75 100
110 10.2 18.9 56.9#
77 0.0 25.4 38.2#

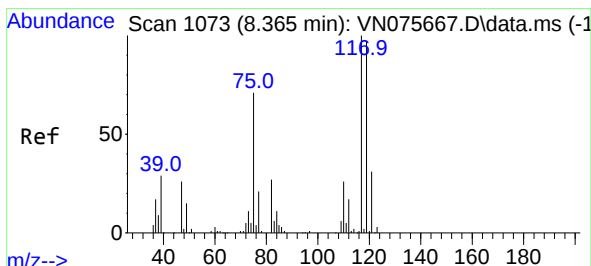
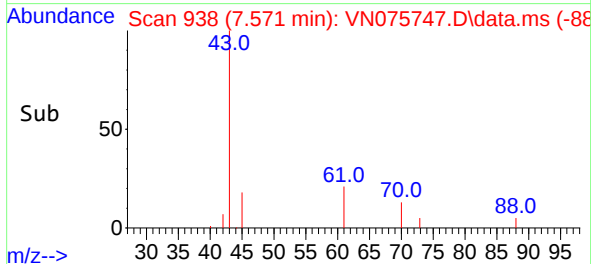
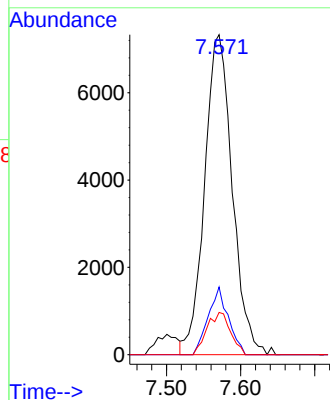
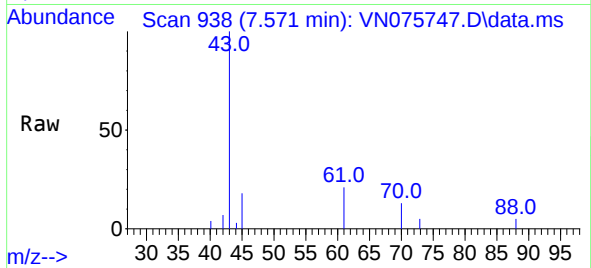




#37
Ethyl Acetate
Concen: 7.378 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

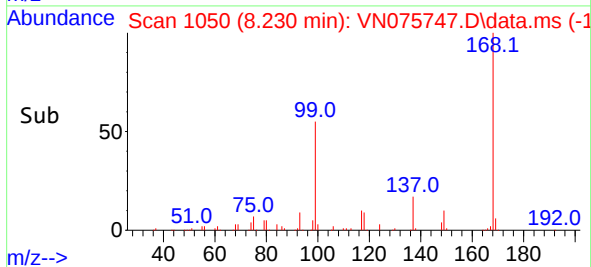
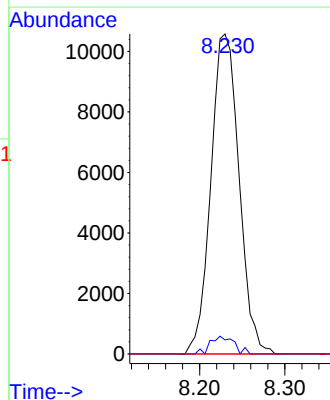
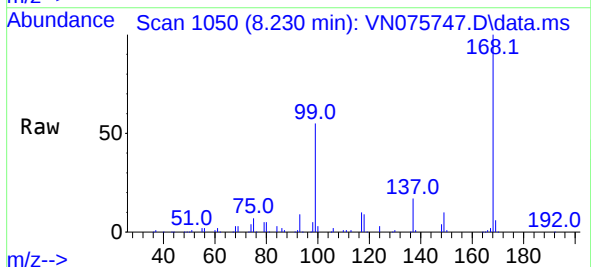
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-03

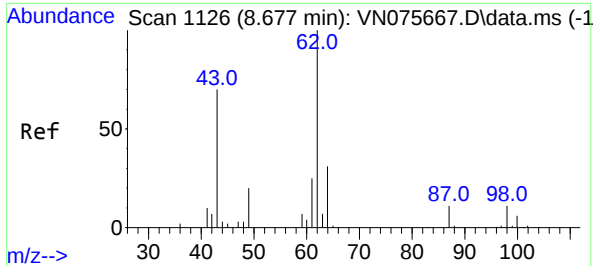
Tgt Ion:	43	Resp:	19013
Ion	Ratio	Lower	Upper
43	100		
61	15.5	13.3	19.9
70	11.2	9.9	14.9



#38
Carbon Tetrachloride
Concen: 6.566 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

Tgt Ion:	117	Resp:	24319
Ion	Ratio	Lower	Upper
117	100		
119	4.4	77.2	115.8#
121	0.0	24.6	37.0#

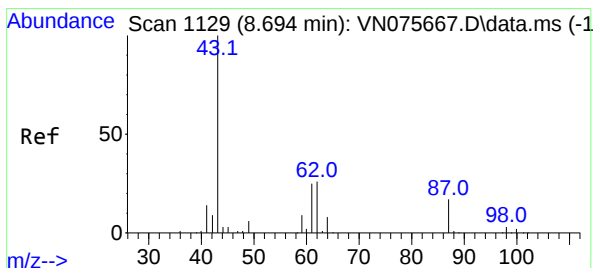
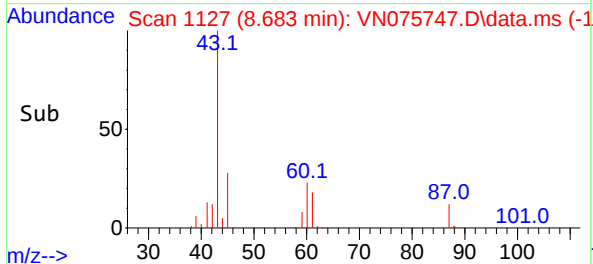
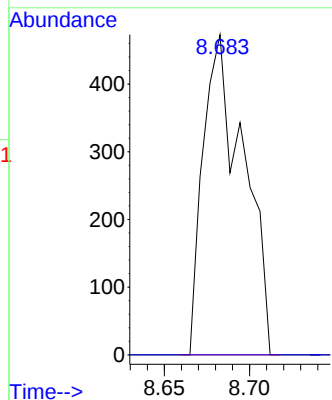
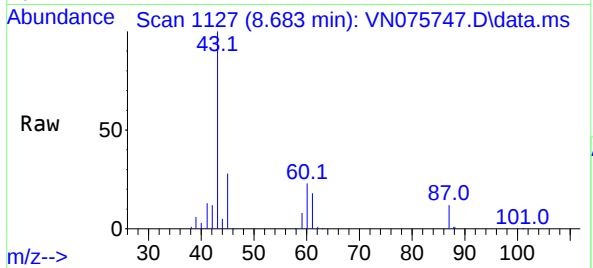




#42
1,2-Dichloroethane
Concen: 0.236 ug/l
RT: 8.683 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

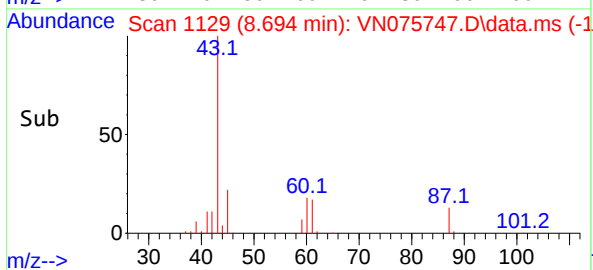
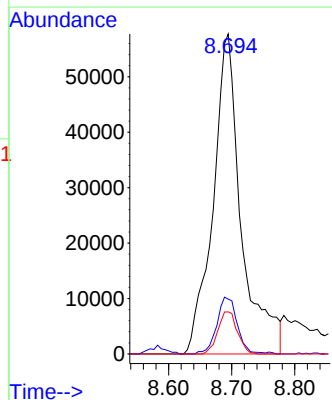
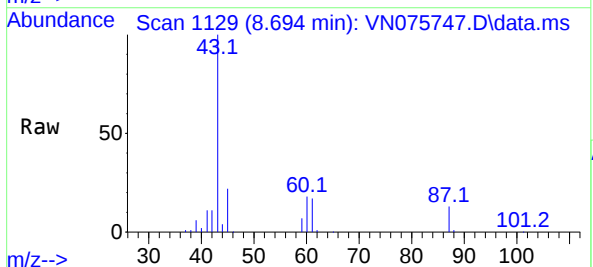
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-03

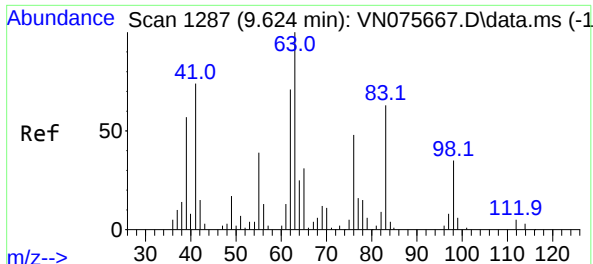
Tgt Ion: 62 Resp: 779
Ion Ratio Lower Upper
62 100
98 0.0 0.0 21.8



#43
Isopropyl Acetate
Concen: 41.708 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

Tgt Ion: 43 Resp: 179431
Ion Ratio Lower Upper
43 100
61 12.8 23.8 35.8#
87 9.1 13.7 20.5#





#45

1,2-Dichloropropane

Concen: 0.500 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.118 min

Lab File: VN075747.D

Acq: 13 Dec 2022 07:40

Instrument :

MSVOA_N

ClientSampleId :

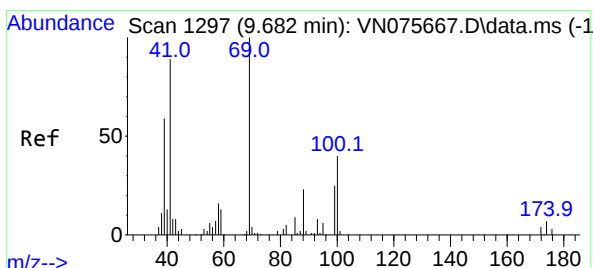
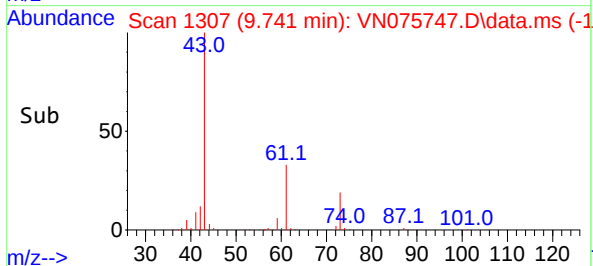
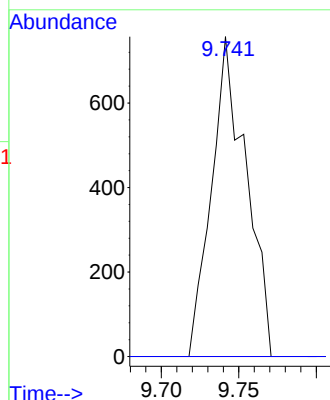
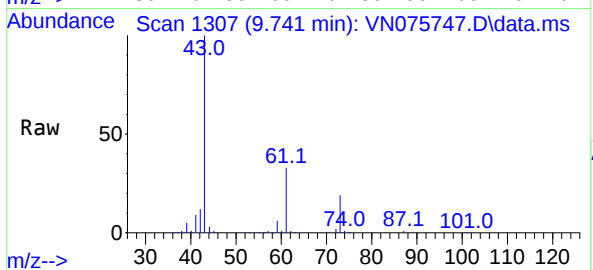
SU-518-COMP-03

Tgt Ion: 63 Resp: 1172

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 39.380 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.059 min

Lab File: VN075747.D

Acq: 13 Dec 2022 07:40

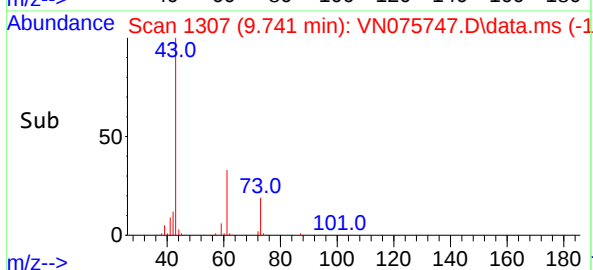
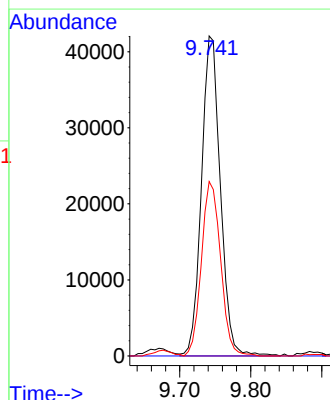
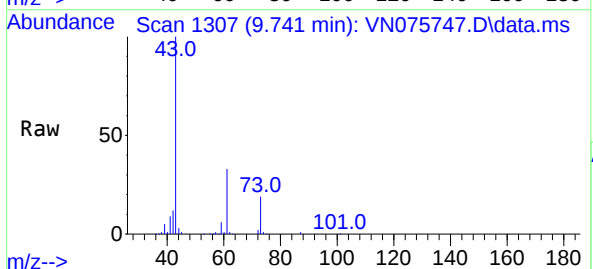
Tgt Ion: 41 Resp: 78026

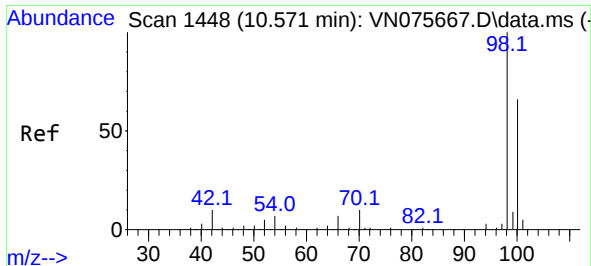
Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 55.3 53.2 79.8

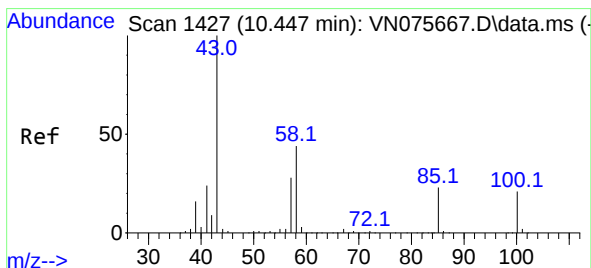
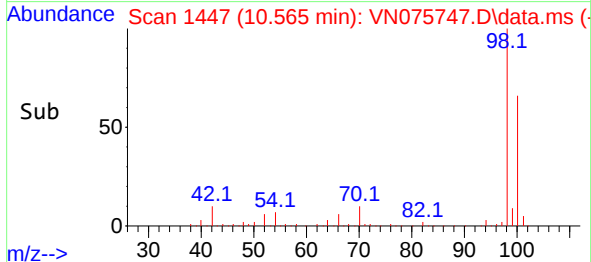
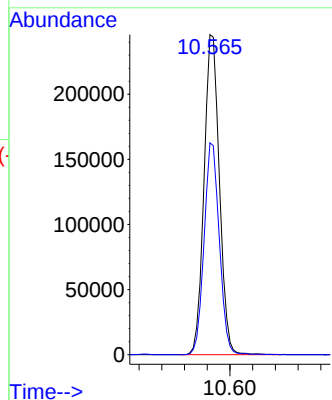
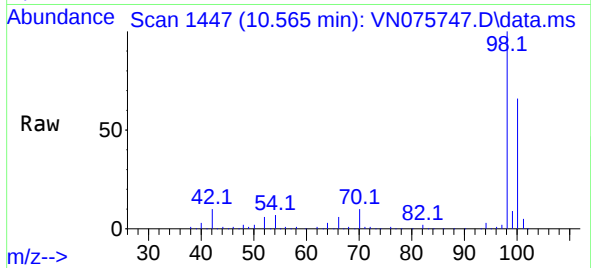




#50
Toluene-d8
Concen: 50.697 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

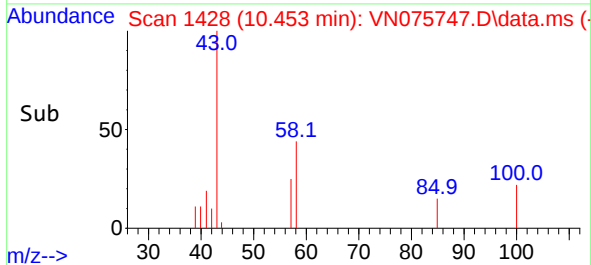
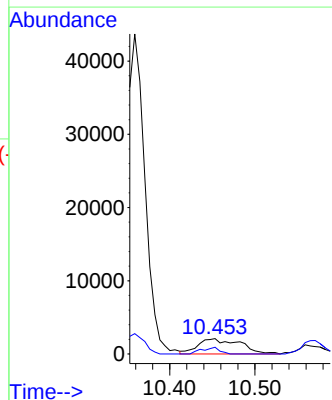
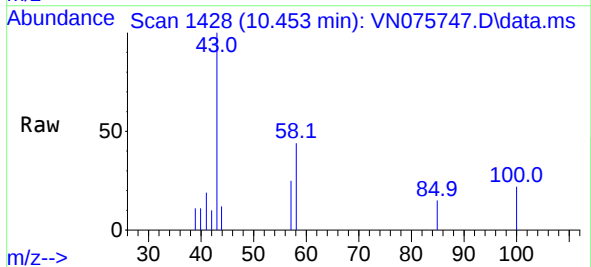
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-03

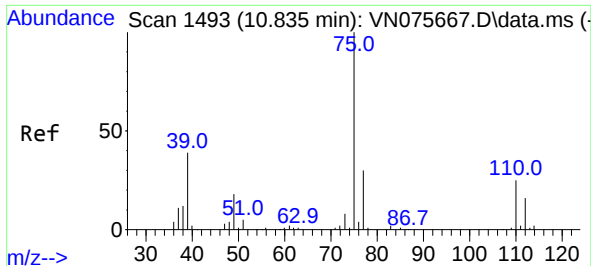
Tgt Ion: 98 Resp: 460192
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.722 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

Tgt Ion: 43 Resp: 7222
Ion Ratio Lower Upper
43 100
58 18.4 35.0 52.6#

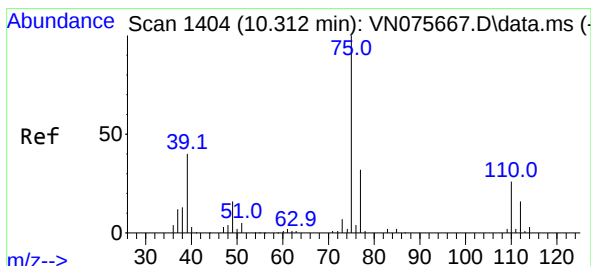
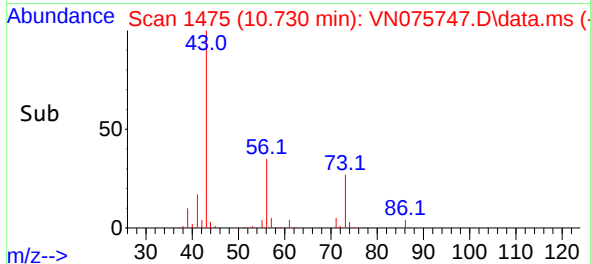
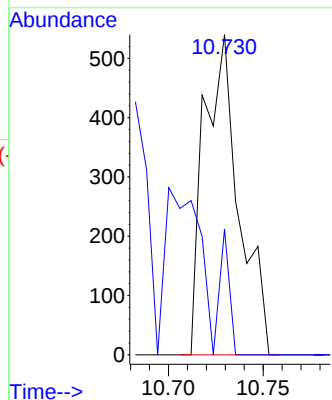
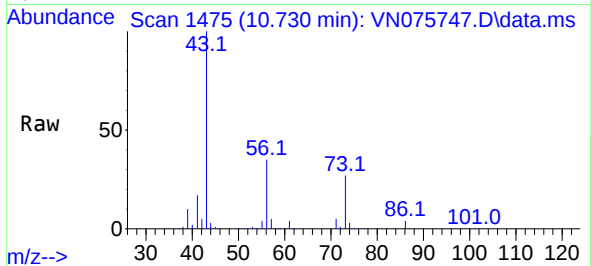




#53
 t-1,3-Dichloropropene
 Concen: 0.203 ug/l
 RT: 10.730 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN075747.D
 Acq: 13 Dec 2022 07:40

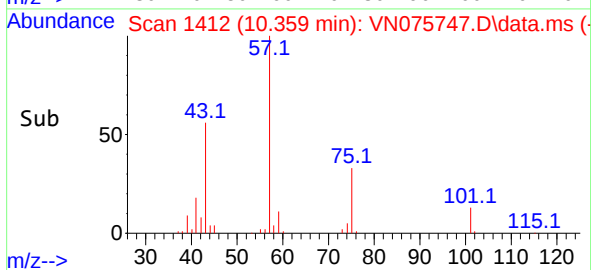
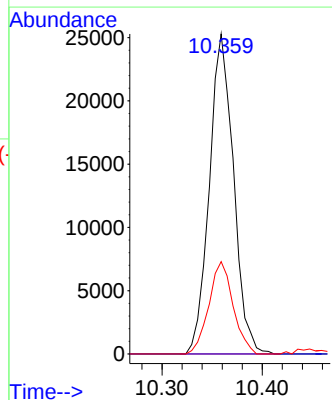
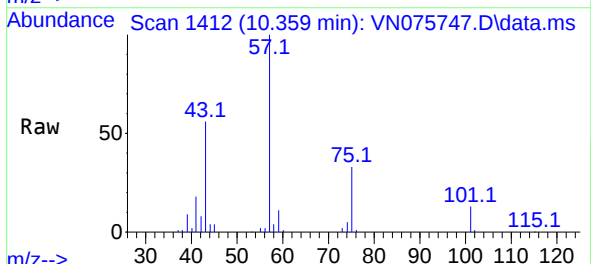
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-518-COMP-03

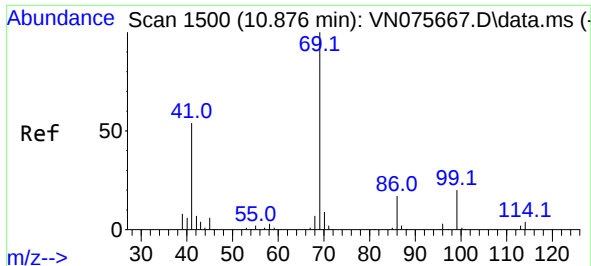
Tgt Ion: 75 Resp: 692
 Ion Ratio Lower Upper
 75 100
 77 39.3 24.3 36.5#



#54
 cis-1,3-Dichloropropene
 Concen: 11.163 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075747.D
 Acq: 13 Dec 2022 07:40

Tgt Ion: 75 Resp: 42300
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 28.8 32.0 48.0#

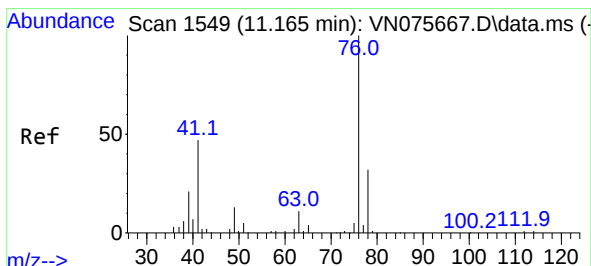
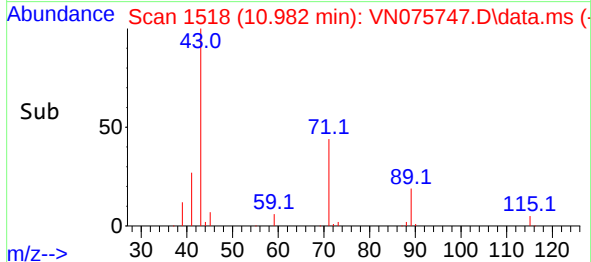
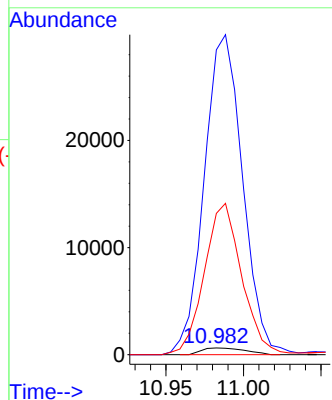
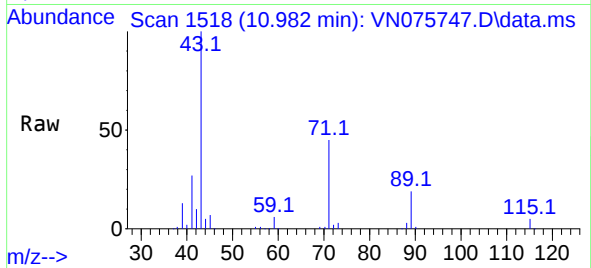




#56
Ethyl methacrylate
Concen: 0.353 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

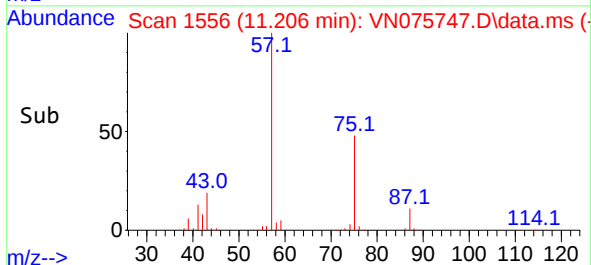
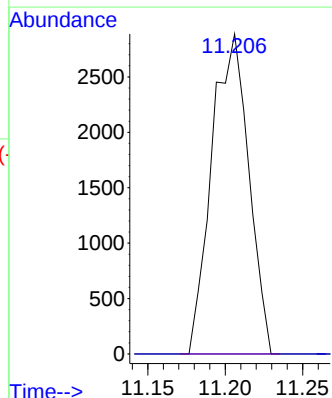
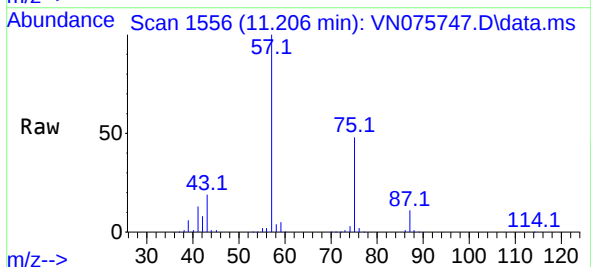
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-03

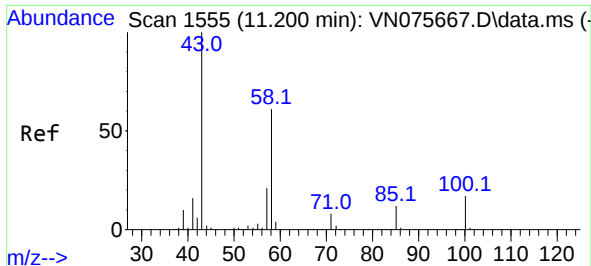
Tgt Ion: 69 Resp: 1224
Ion Ratio Lower Upper
69 100
41 4207.9 44.1 66.1#
39 1944.9 27.7 41.5#



#57
1,3-Dichloropropane
Concen: 1.157 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

Tgt Ion: 76 Resp: 4787
Ion Ratio Lower Upper
76 100
78 0.0 26.8 40.2#

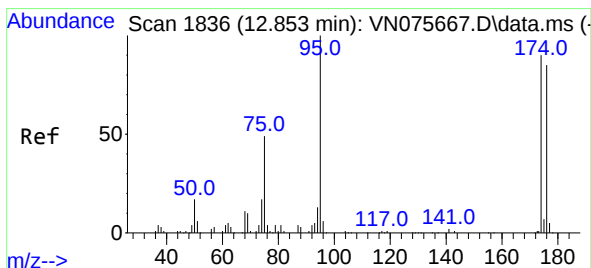
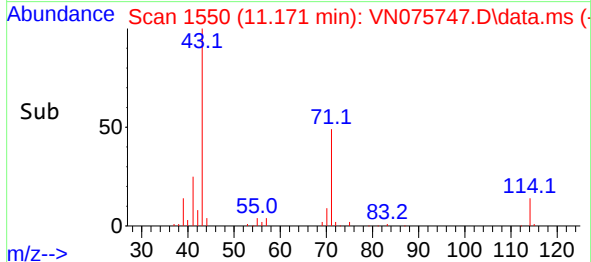
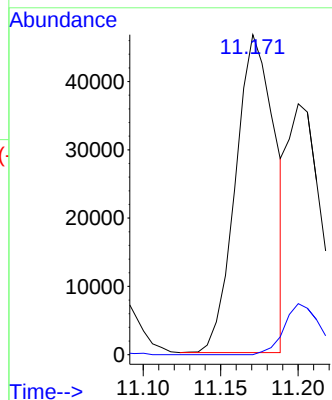
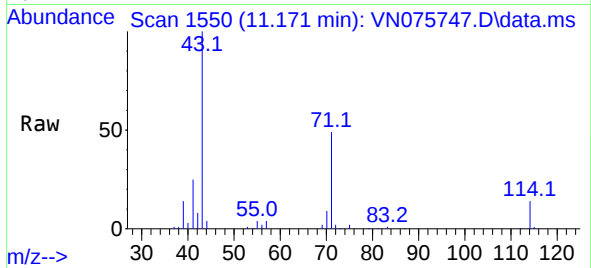




#59
2-Hexanone
Concen: 42.502 ug/l
RT: 11.171 min Scan# 1150
Delta R.T. -0.029 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

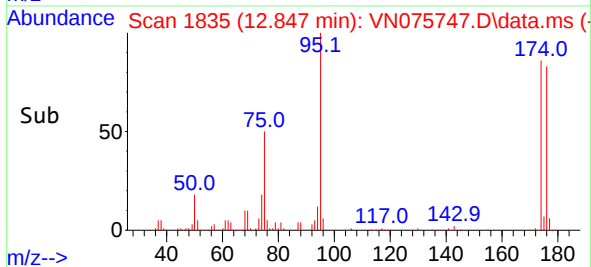
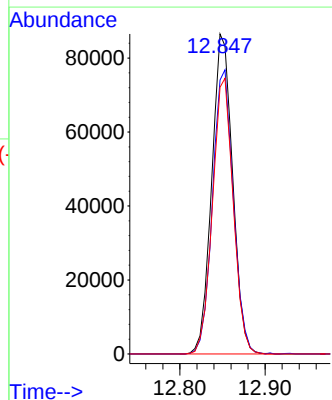
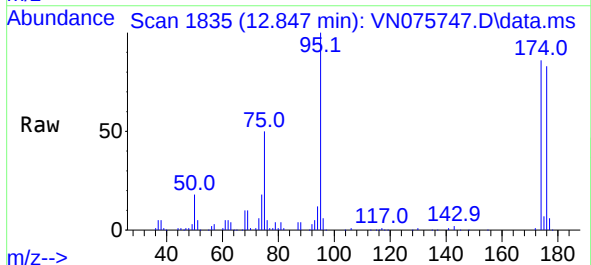
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-03

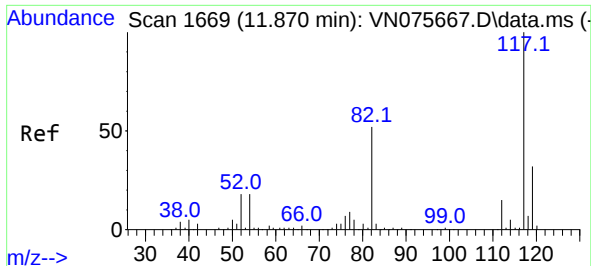
Tgt Ion: 43 Resp: 81911
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 47.512 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

Tgt Ion: 95 Resp: 147458
Ion Ratio Lower Upper
95 100
174 88.4 0.0 178.6
176 85.4 0.0 170.8

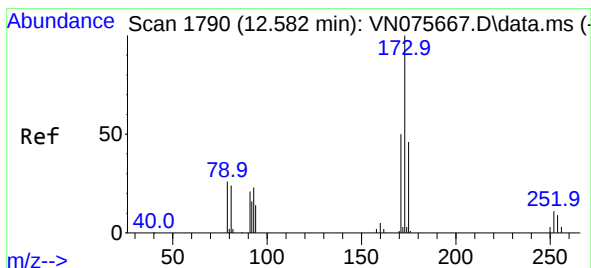
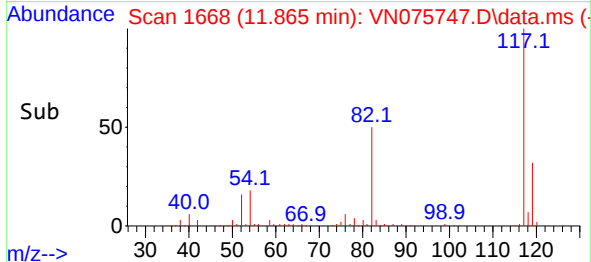
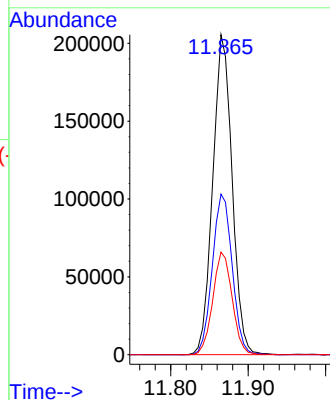
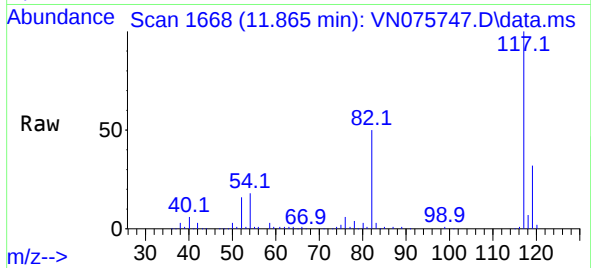




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

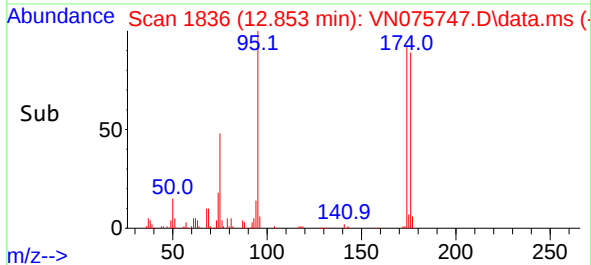
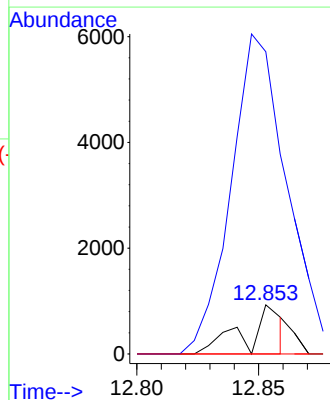
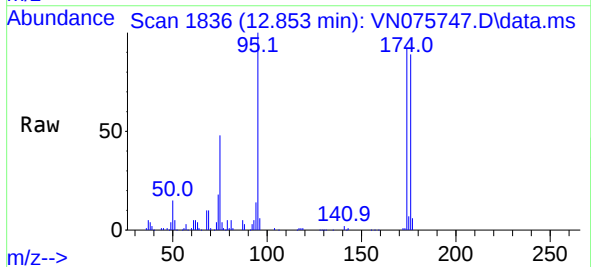
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-03

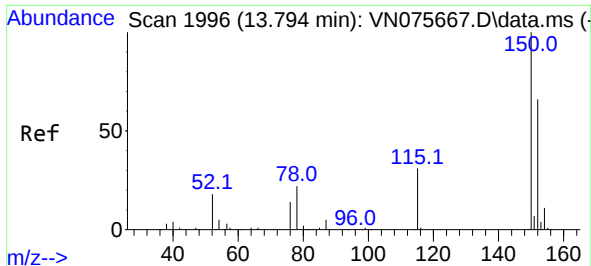
Tgt Ion:117 Resp: 356595
Ion Ratio Lower Upper
117 100
82 50.1 41.8 62.8
119 32.1 25.8 38.6



#71
Bromoform
Concen: 0.470 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

Tgt Ion:173 Resp: 951
Ion Ratio Lower Upper
173 100
175 847.3 23.8 71.2#
254 0.0 0.0 0.0

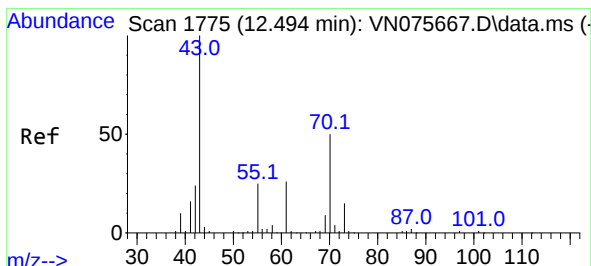
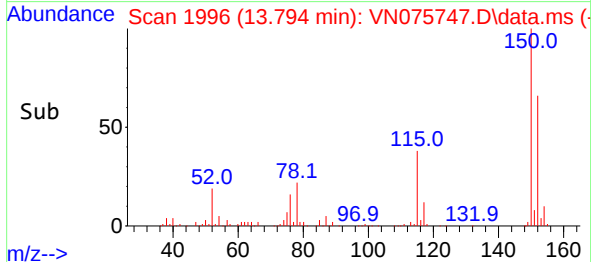
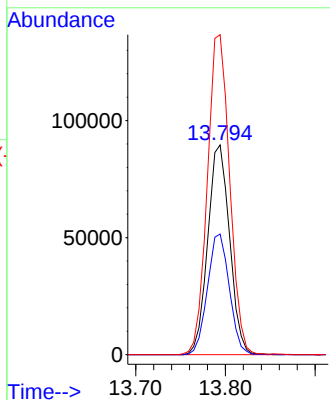
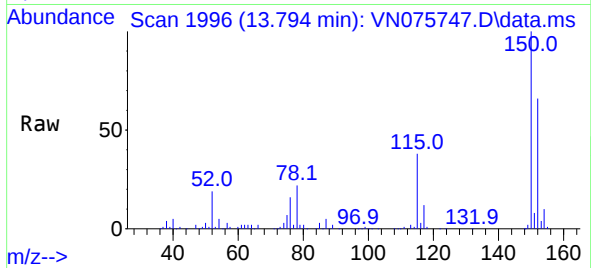




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

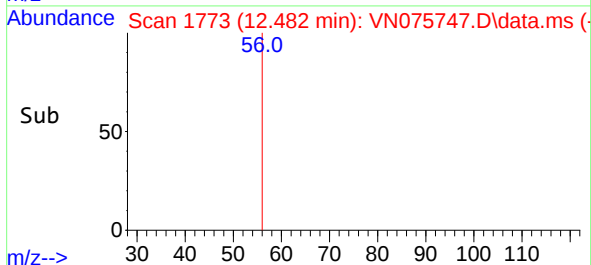
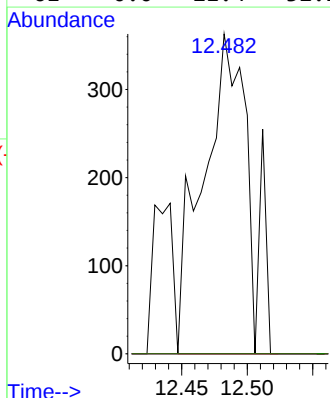
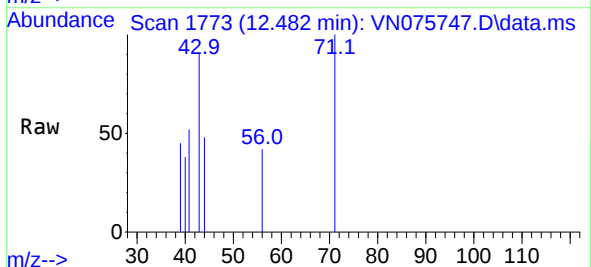
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-03

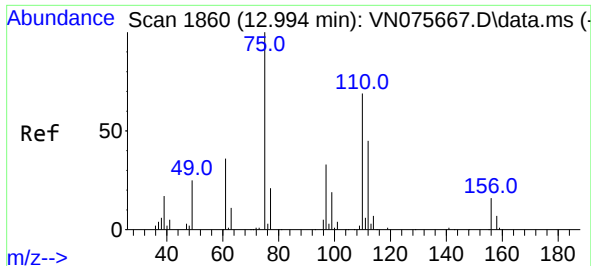
Tgt Ion:152 Resp: 151672
Ion Ratio Lower Upper
152 100
115 57.5 28.4 85.2
150 155.4 0.0 347.6



#74
N-ethyl acetate
Concen: 0.282 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

Tgt Ion: 43 Resp: 892
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.6#
55 0.0 20.7 31.1#
61 0.0 21.4 32.2#

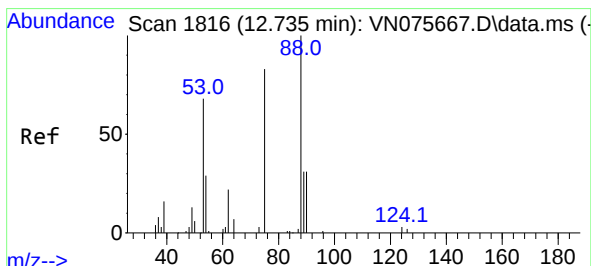
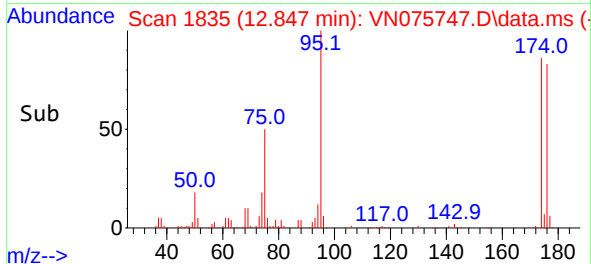
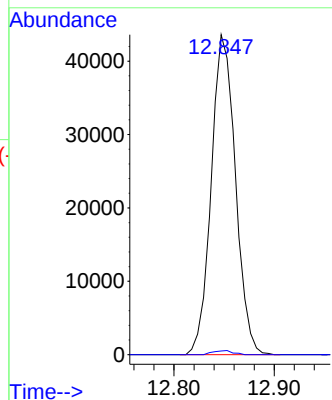
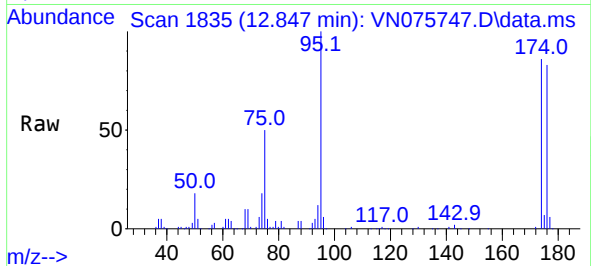




#76
1,2,3-Trichloropropane
Concen: 24.009 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-03

Tgt Ion: 75 Resp: 73131
Ion Ratio Lower Upper
75 100
77 1.1 81.8 245.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.708 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075747.D
Acq: 13 Dec 2022 07:40

Tgt Ion: 75 Resp: 73131
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#

