

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075748.D
 Acq On : 13 Dec 2022 08:04
 Operator : JC\MD
 Sample : N5964-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-518-COMP-04

Quant Time: Dec 13 08:33:40 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

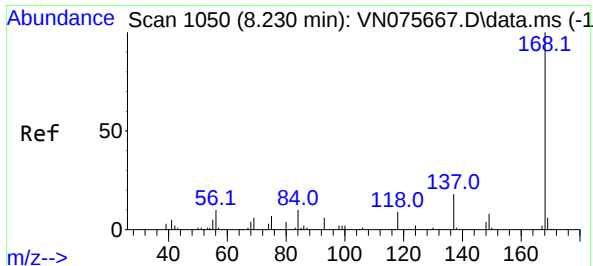
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	232725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	371876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	341697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	122879	49.763	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.520%		
35) Dibromofluoromethane	8.177	113	112030	49.377	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.760%		
50) Toluene-d8	10.570	98	437333	51.326	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.660%		
62) 4-Bromofluorobenzene	12.847	95	141591	48.602	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.200%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.524	59	586	1.604	ug/l #	72
16) Acetone	4.447	43	10795	12.909	ug/l	96
18) Methyl Acetate	5.041	43	2726	1.014	ug/l #	62
20) Methylene Chloride	5.294	84	8919	3.578	ug/l	90
25) 2-Butanone	7.506	43	974	0.797	ug/l #	88
31) Cyclohexane	8.229	56	4223	1.155	ug/l #	8
36) 1,1-Dichloropropene	8.224	75	16243	5.391	ug/l #	48
37) Ethyl Acetate	7.577	43	18654	7.712	ug/l	98
38) Carbon Tetrachloride	8.229	117	22935	6.597	ug/l #	15
40) Benzene	8.618	78	2177	0.235	ug/l	91
42) 1,2-Dichloroethane	8.682	62	725	0.234	ug/l #	71
43) Isopropyl Acetate	8.694	43	183050	45.330	ug/l #	72
45) 1,2-Dichloropropane	9.735	63	1090	0.496	ug/l #	43
48) Methyl methacrylate	9.747	41	79509	42.750	ug/l #	34
51) 4-Methyl-2-Pentanone	10.359	43	74985	30.114	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	751	0.235	ug/l #	44
54) cis-1,3-Dichloropropene	10.359	75	42856	12.049	ug/l #	63
56) Ethyl methacrylate	10.982	69	1234	0.379	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5199	1.339	ug/l #	41
59) 2-Hexanone	11.170	43	80841	44.687	ug/l #	20
71) Bromoform	12.847	173	723	0.373	ug/l #	1
74) N-amyl acetate	12.306	43	20673	6.804	ug/l #	48
76) 1,2,3-Trichloropropane	12.847	75	71586	24.477	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71586	78.150	ug/l #	13
95) Naphthalene	15.647	128	3942	0.568	ug/l #	82

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

Quant Time: Dec 13 08:33:40 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: 8.229 min Scan# 1050

Delta R.T. -0.001 min

Lab File: VN075748.D

Acq: 13 Dec 2022 08:04

Instrument :

MSVOA_N

ClientSampleId :

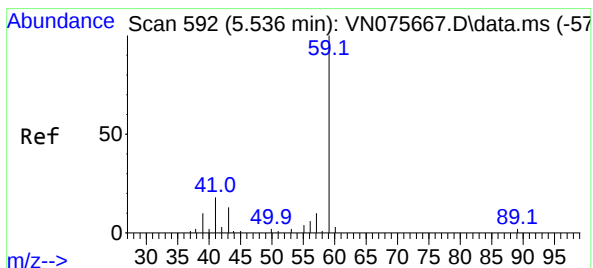
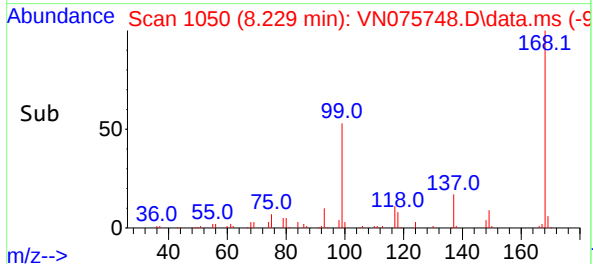
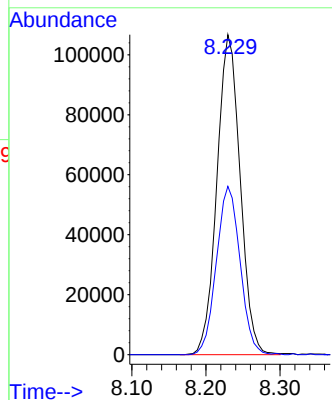
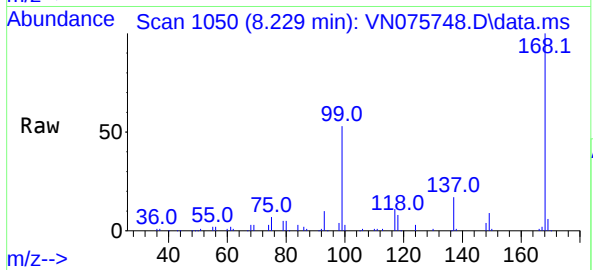
SU-518-COMP-04

Tgt Ion:168 Resp: 232725

Ion Ratio Lower Upper

168 100

99 52.6 41.2 61.8



#11

Tert butyl alcohol

Concen: 1.604 ug/l

RT: 5.524 min Scan# 590

Delta R.T. -0.012 min

Lab File: VN075748.D

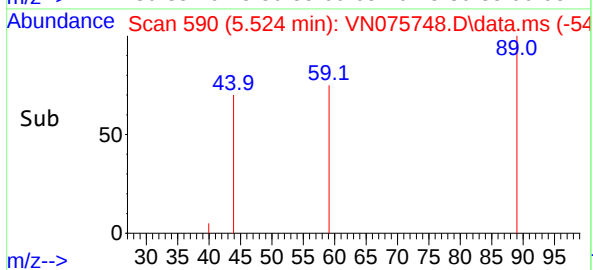
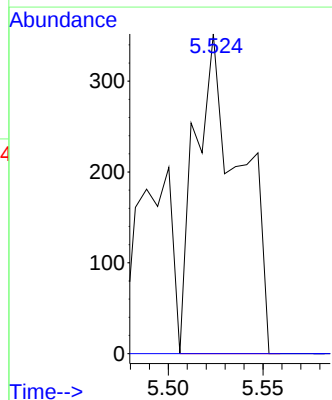
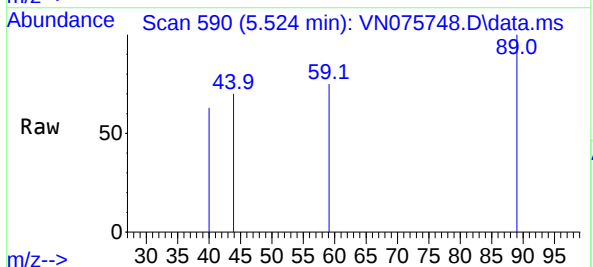
Acq: 13 Dec 2022 08:04

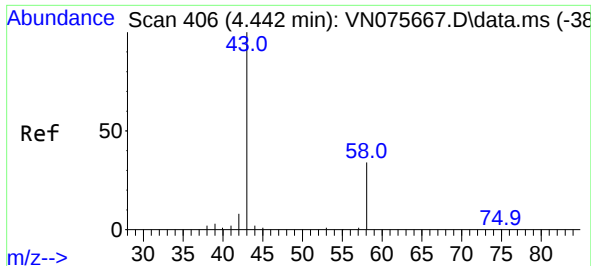
Tgt Ion: 59 Resp: 586

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

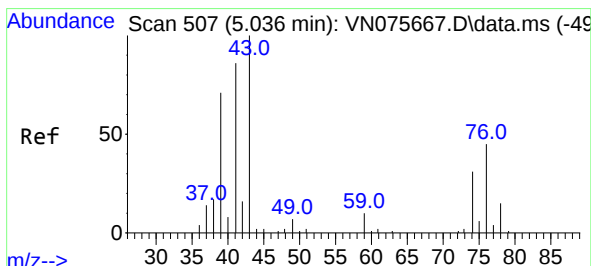
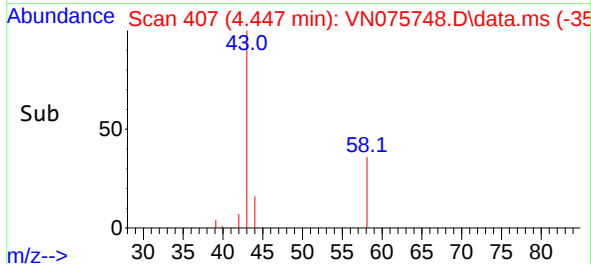
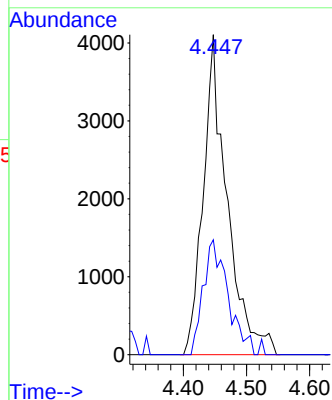
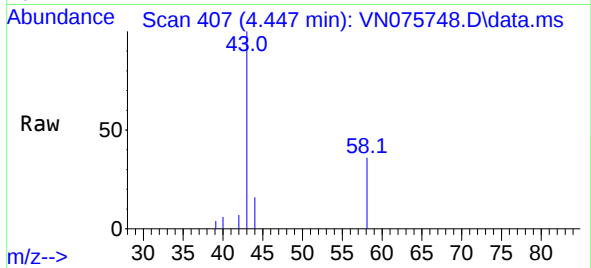




#16
Acetone
Concen: 12.909 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

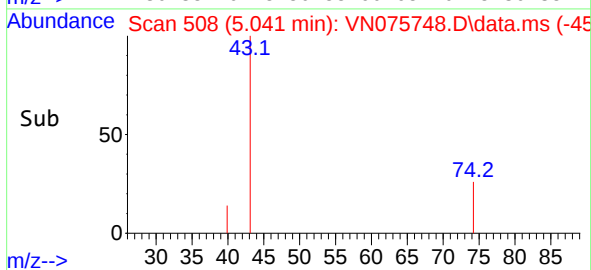
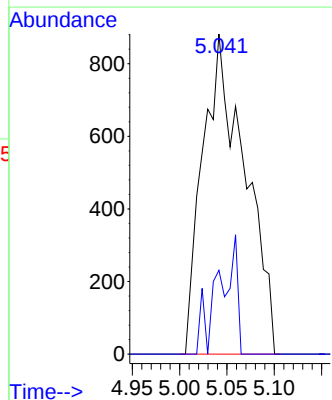
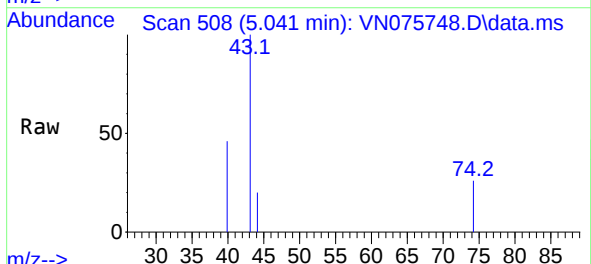
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-04

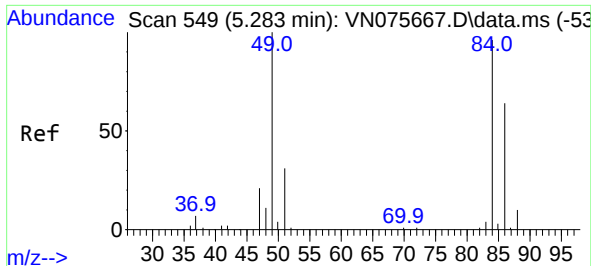
Tgt Ion: 43 Resp: 10795
Ion Ratio Lower Upper
43 100
58 35.9 27.0 40.4



#18
Methyl Acetate
Concen: 1.014 ug/l
RT: 5.041 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Tgt Ion: 43 Resp: 2726
Ion Ratio Lower Upper
43 100
74 10.0 24.5 36.7#



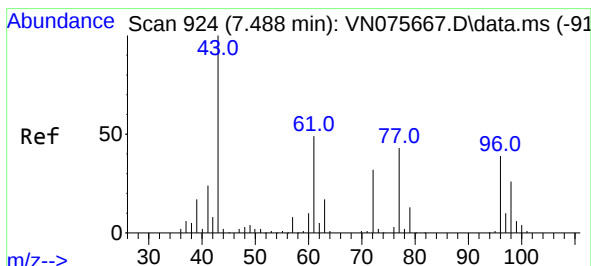
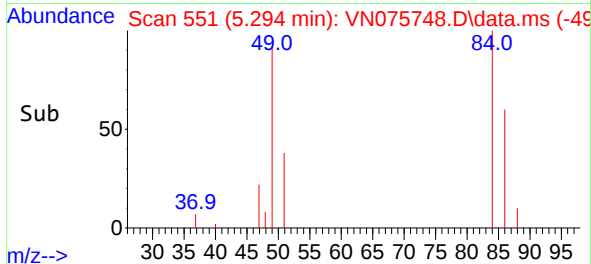
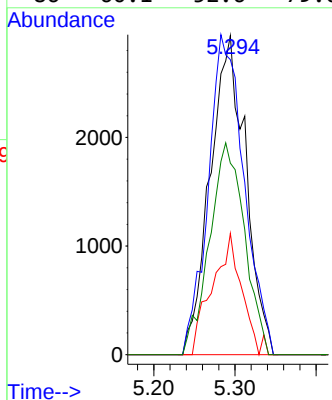
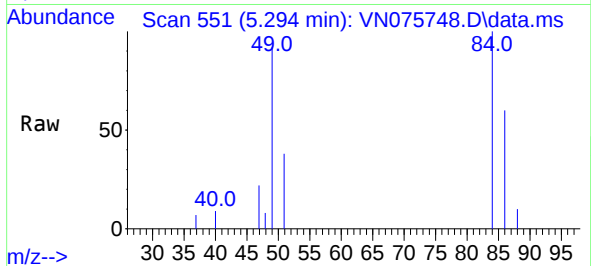


#20
Methylene Chloride
Concen: 3.578 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-04

Tgt Ion: 84 Resp: 8919

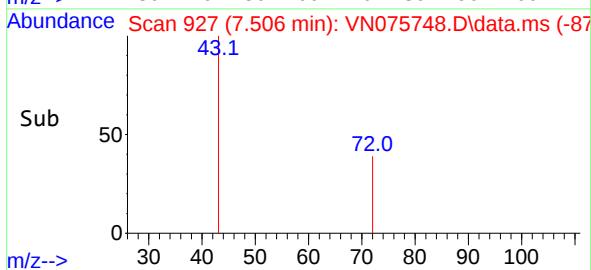
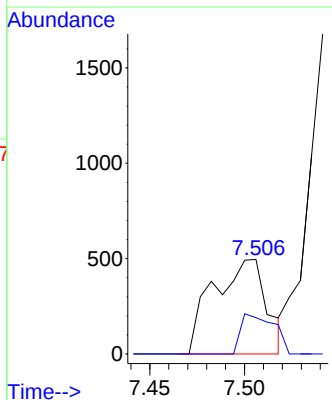
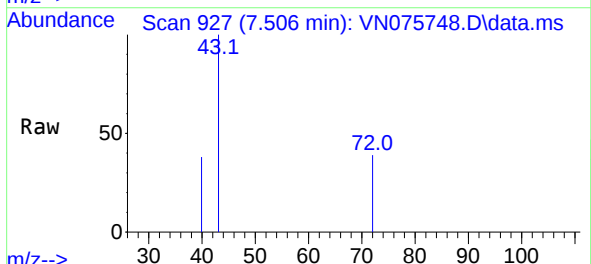
Ion	Ratio	Lower	Upper
84	100		
49	92.5	83.0	124.4
51	38.0	26.0	39.0
86	60.1	52.6	79.0

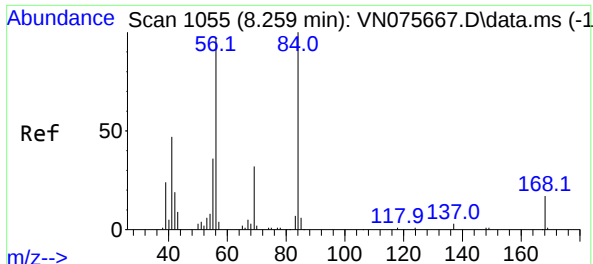


#25
2-Butanone
Concen: 0.797 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Tgt Ion: 43 Resp: 974

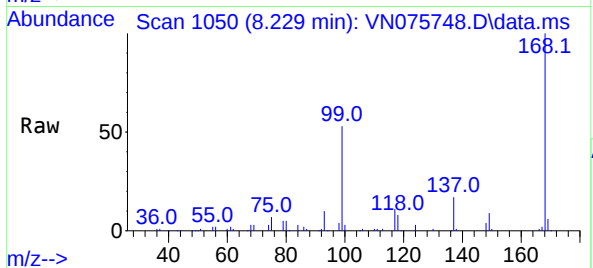
Ion	Ratio	Lower	Upper
43	100		
72	38.5	25.3	37.9#





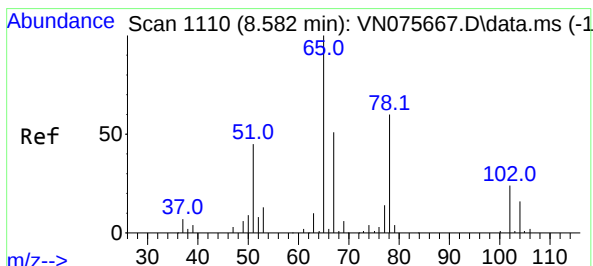
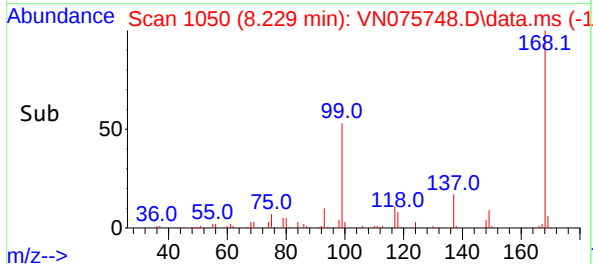
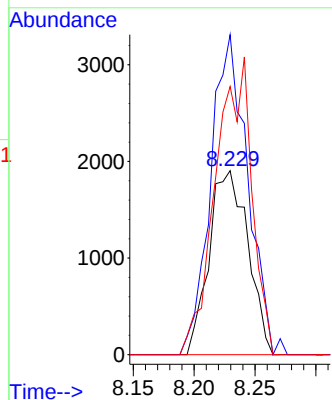
#31
Cyclohexane
Concen: 1.155 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-04



Tgt Ion: 56 Resp: 4223

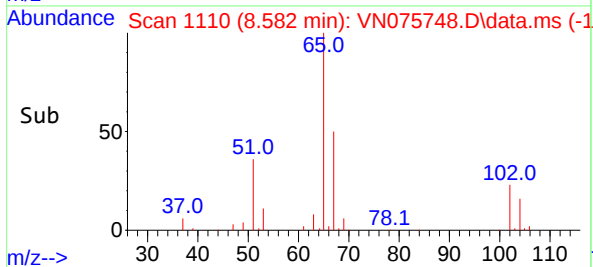
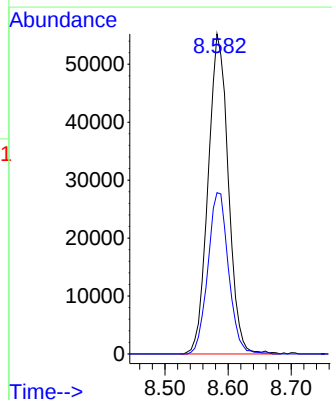
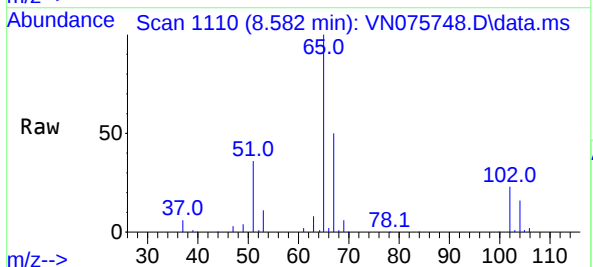
Ion	Ratio	Lower	Upper
56	100		
69	173.9	26.2	39.2#
84	145.7	82.8	124.2#

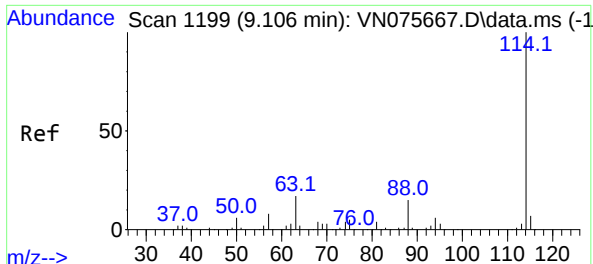


#33
1,2-Dichloroethane-d4
Concen: 49.763 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Tgt Ion: 65 Resp: 122879

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.2

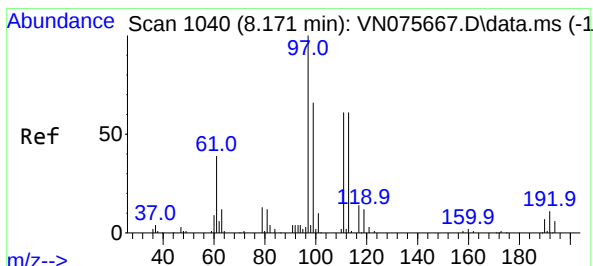
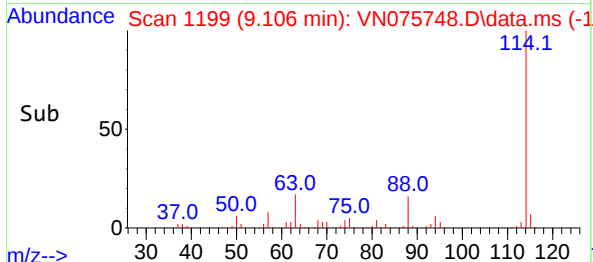
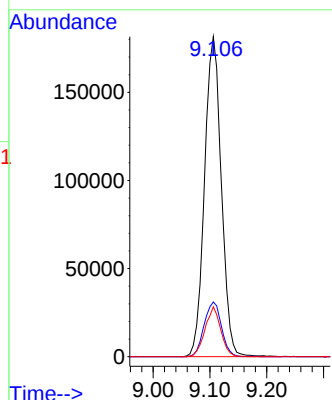
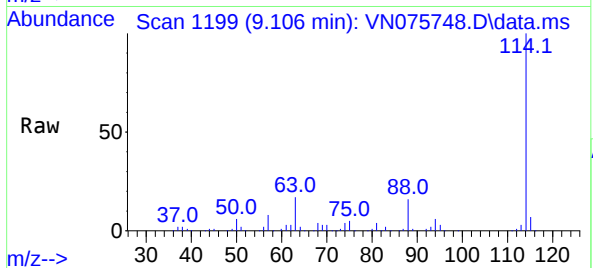




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

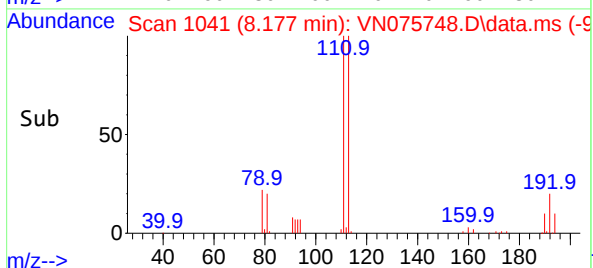
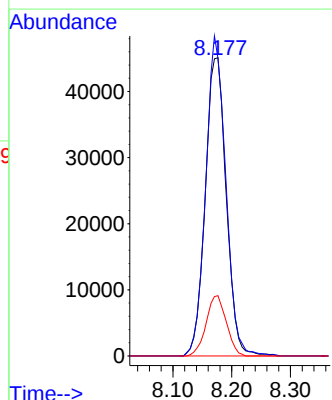
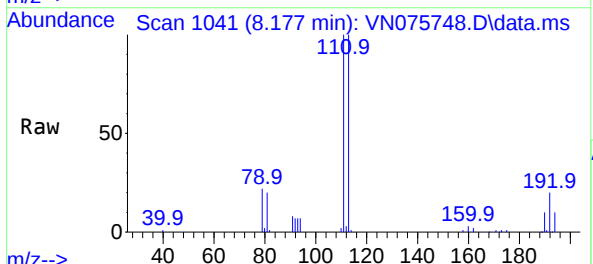
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-04

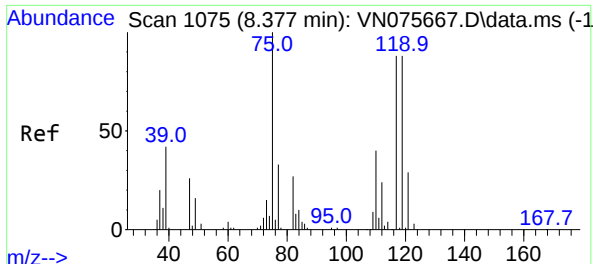
Tgt Ion:114 Resp: 371876
Ion Ratio Lower Upper
114 100
63 17.1 0.0 34.4
88 15.6 0.0 29.2



#35
Dibromofluoromethane
Concen: 49.377 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Tgt Ion:113 Resp: 112030
Ion Ratio Lower Upper
113 100
111 102.7 81.0 121.6
192 19.4 16.2 24.2

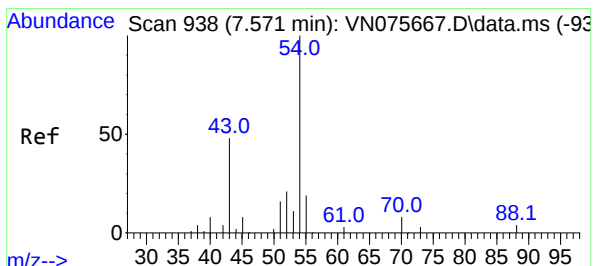
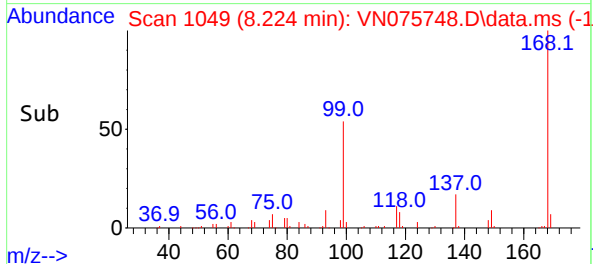
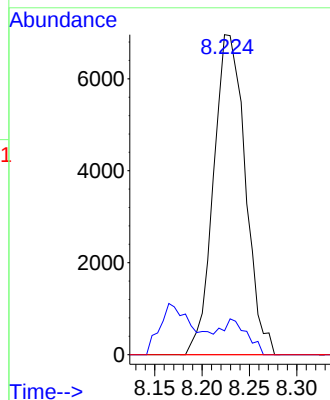
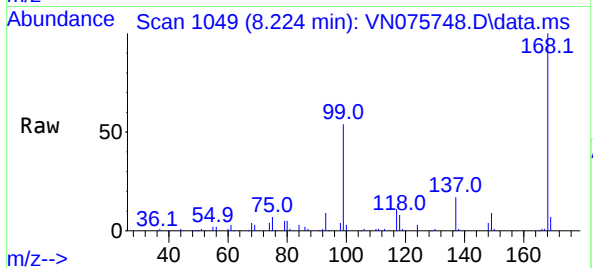




#36
1,1-Dichloropropene
Concen: 5.391 ug/l
RT: 8.224 min Scan# 1075
Delta R.T. -0.153 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

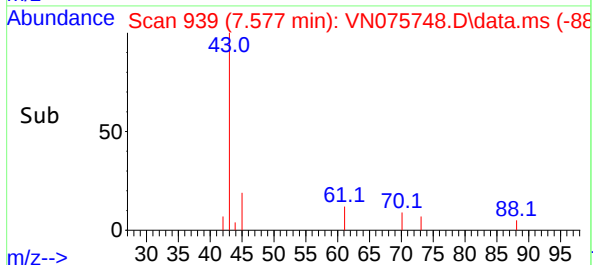
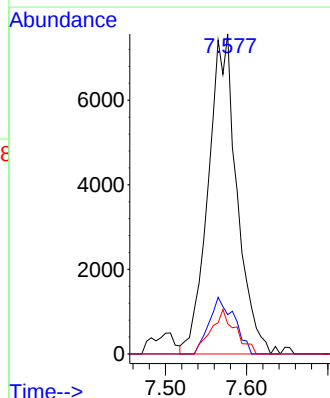
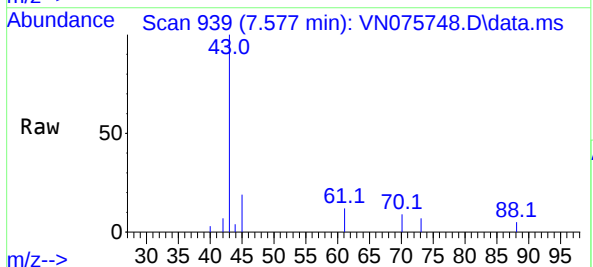
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-04

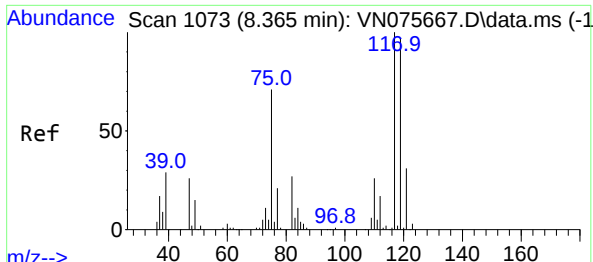
Tgt Ion: 75 Resp: 16243
Ion Ratio Lower Upper
75 100
110 9.1 18.9 56.9#
77 0.0 25.4 38.2#



#37
Ethyl Acetate
Concen: 7.712 ug/l
RT: 7.577 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Tgt Ion: 43 Resp: 18654
Ion Ratio Lower Upper
43 100
61 15.4 13.3 19.9
70 11.7 9.9 14.9

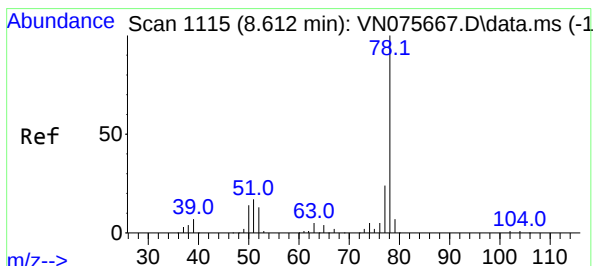
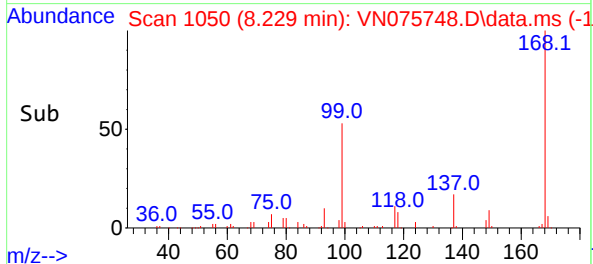
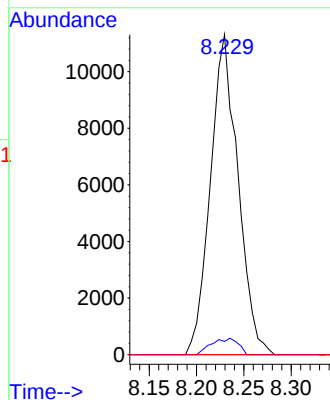
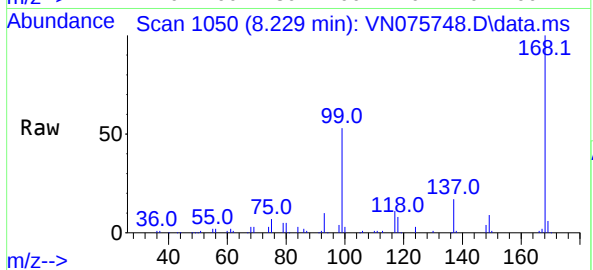




#38
Carbon Tetrachloride
Concen: 6.597 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

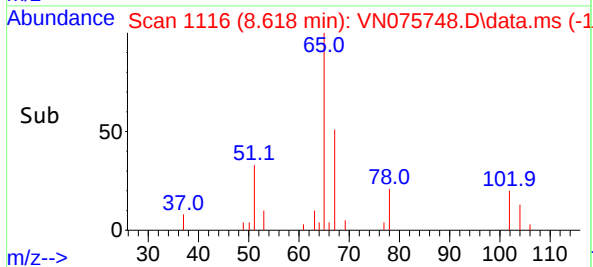
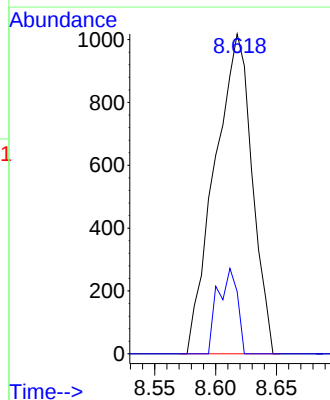
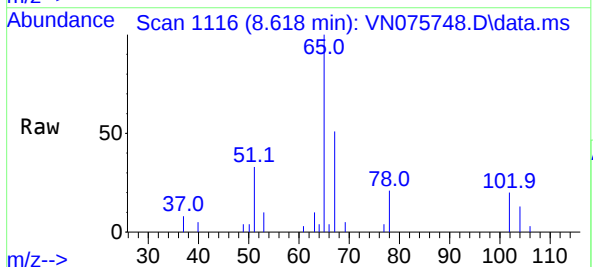
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-04

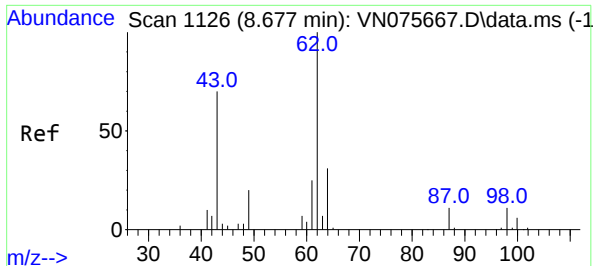
Tgt Ion:117 Resp: 22935
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.235 ug/l
RT: 8.618 min Scan# 1116
Delta R.T. 0.006 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Tgt Ion: 78 Resp: 2177
Ion Ratio Lower Upper
78 100
77 19.4 19.1 28.7

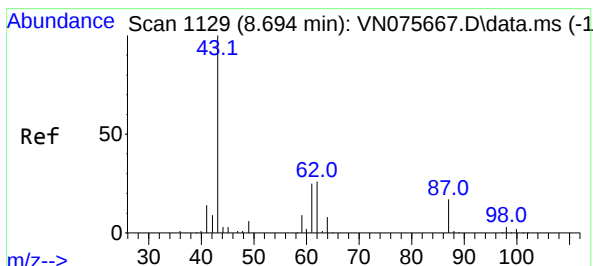
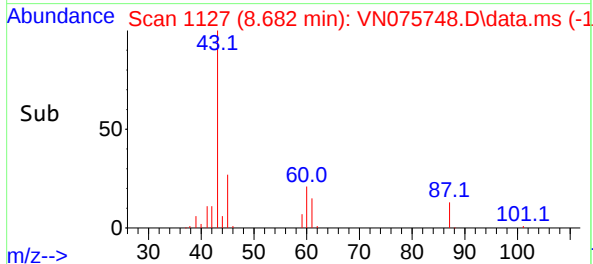
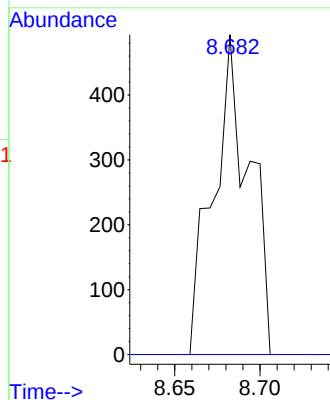
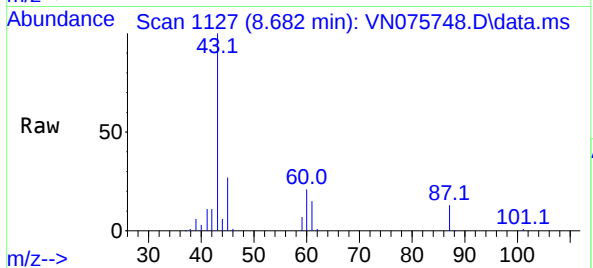




#42
1,2-Dichloroethane
Concen: 0.234 ug/l
RT: 8.682 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

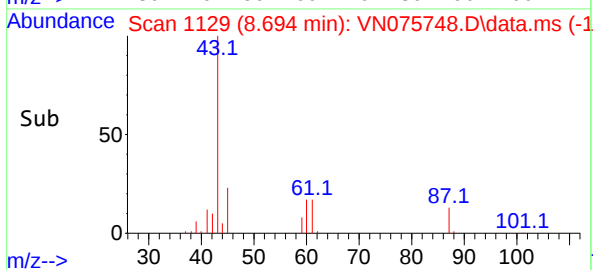
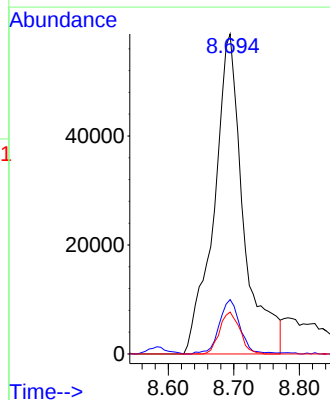
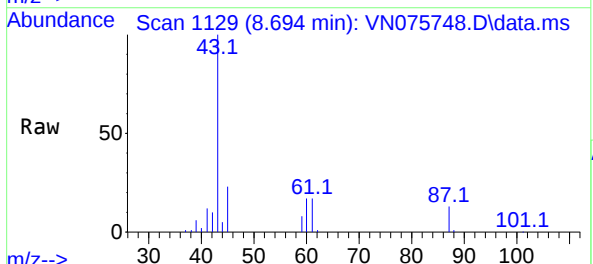
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-04

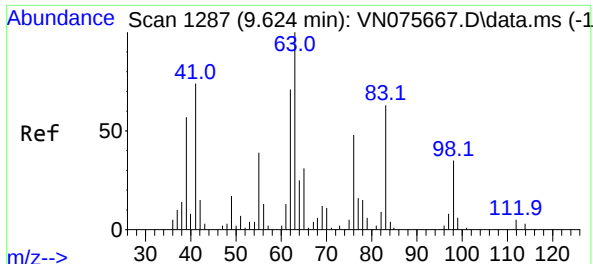
Tgt Ion: 62 Resp: 725
Ion Ratio Lower Upper
62 100
98 0.0 0.0 21.8



#43
Isopropyl Acetate
Concen: 45.330 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Tgt Ion: 43 Resp: 183050
Ion Ratio Lower Upper
43 100
61 12.0 23.8 35.8#
87 8.9 13.7 20.5#

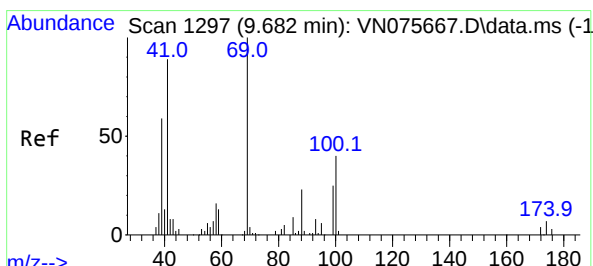
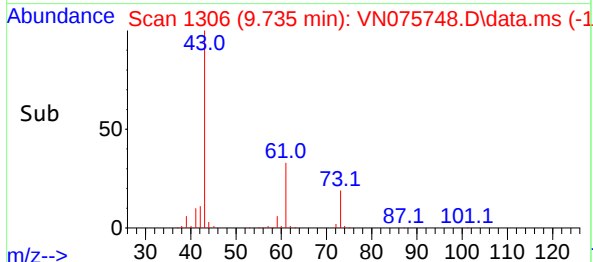
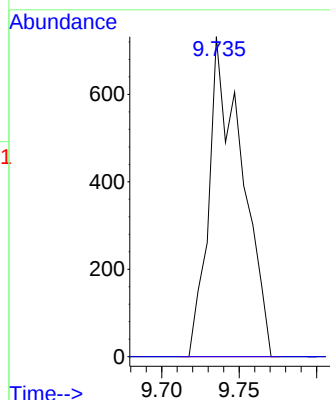
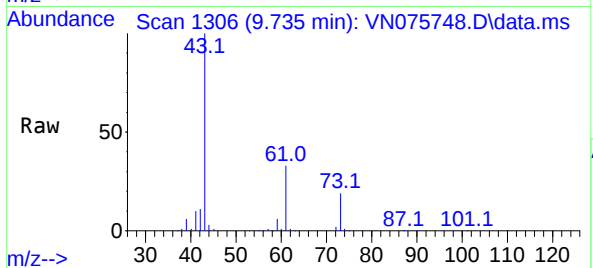




#45
1,2-Dichloropropane
Concen: 0.496 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

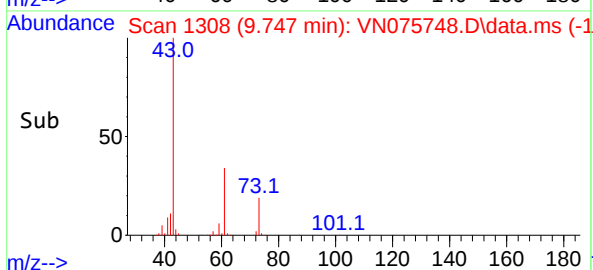
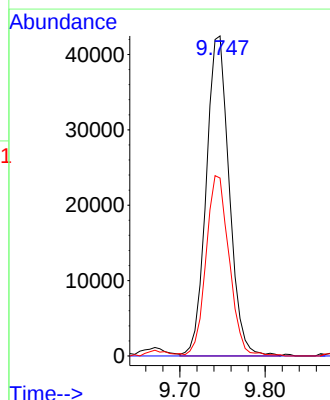
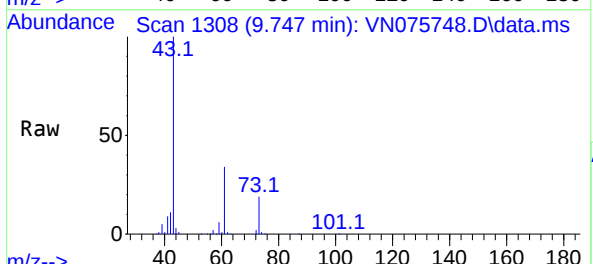
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-04

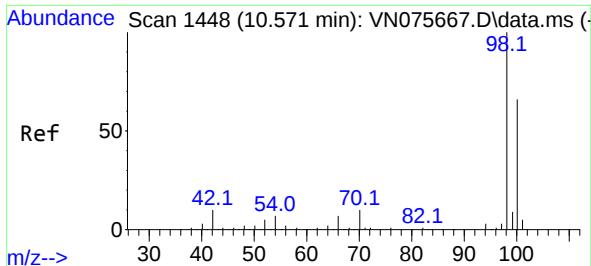
Tgt Ion: 63 Resp: 1090
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#



#48
Methyl methacrylate
Concen: 42.750 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.065 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Tgt Ion: 41 Resp: 79509
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 57.0 53.2 79.8

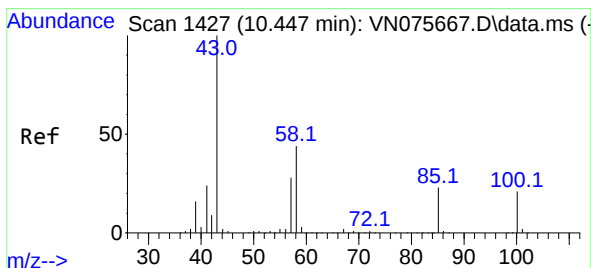
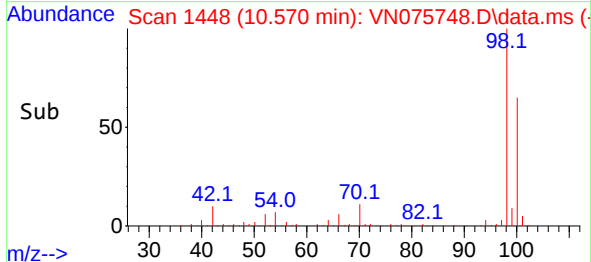
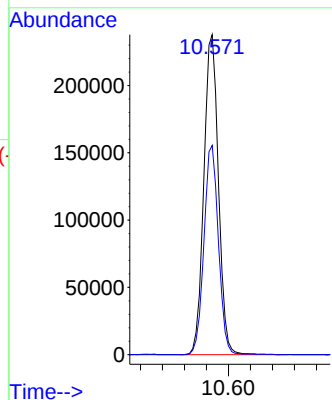
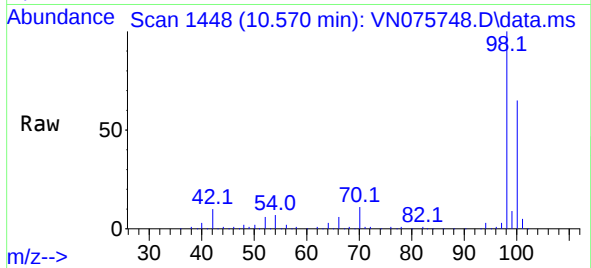




#50
Toluene-d8
Concen: 51.326 ug/l
RT: 10.570 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

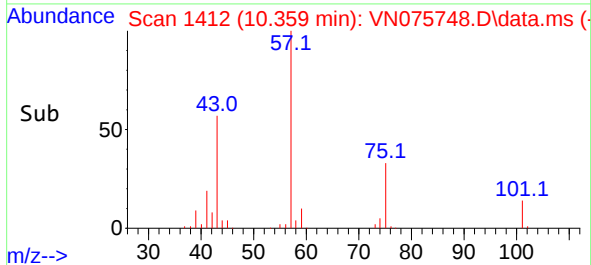
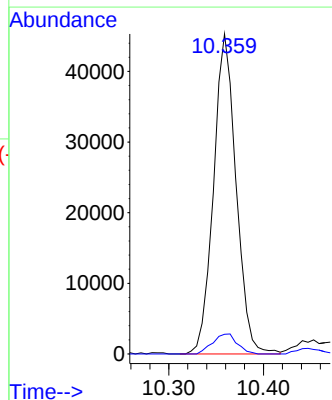
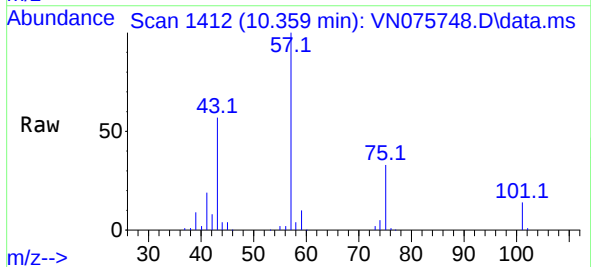
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-04

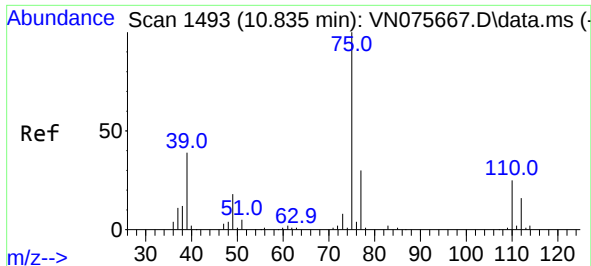
Tgt Ion: 98 Resp: 437333
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 30.114 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Tgt Ion: 43 Resp: 74985
Ion Ratio Lower Upper
43 100
58 6.8 35.0 52.6#

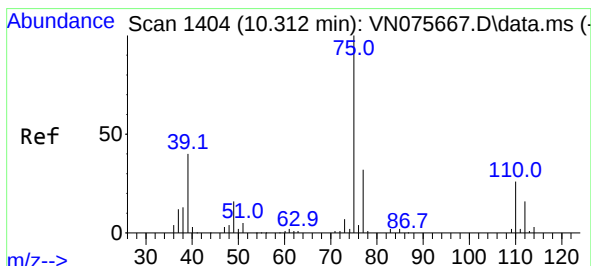
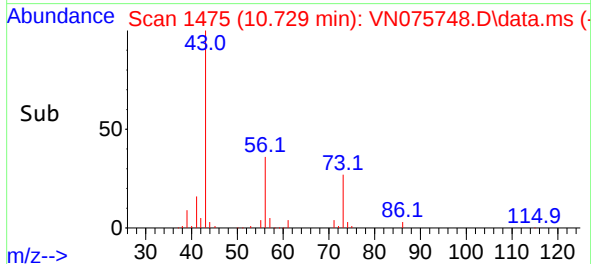
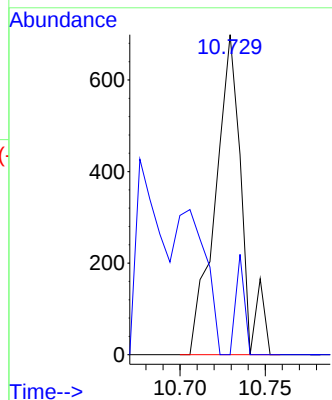
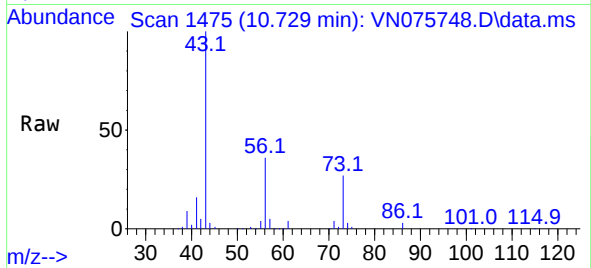




#53
t-1,3-Dichloropropene
Concen: 0.235 ug/l
RT: 10.729 min Scan# 1412
Delta R.T. -0.106 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

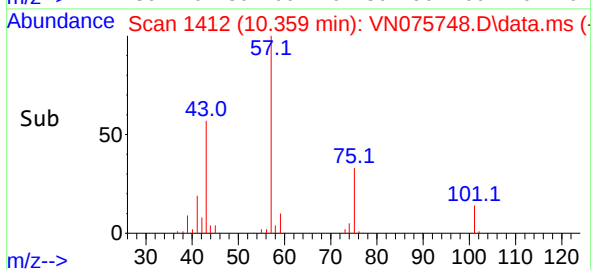
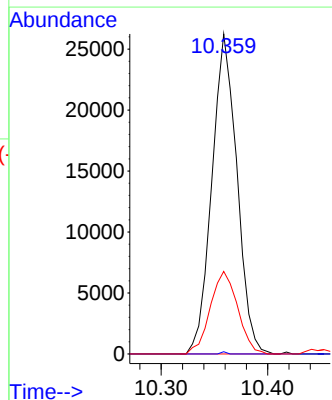
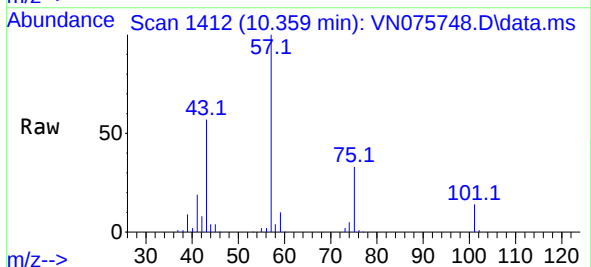
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-04

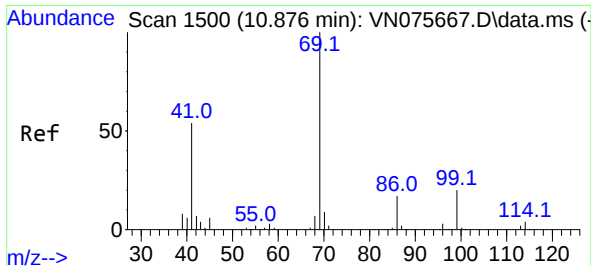
Tgt Ion: 75 Resp: 751
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#



#54
cis-1,3-Dichloropropene
Concen: 12.049 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Tgt Ion: 75 Resp: 42856
Ion Ratio Lower Upper
75 100
77 0.7 25.3 37.9#
39 25.8 32.0 48.0#

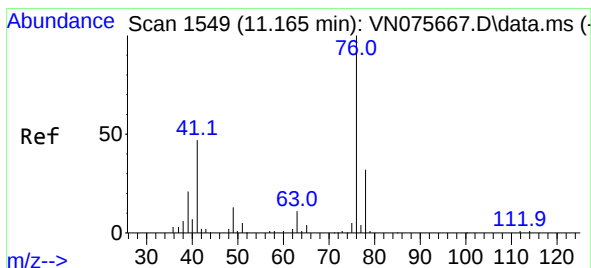
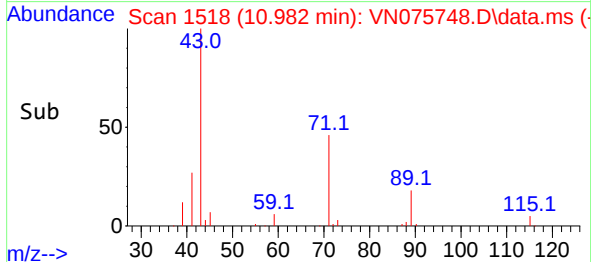
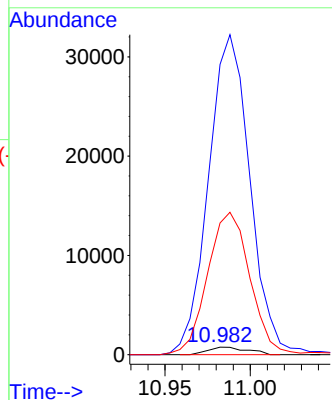
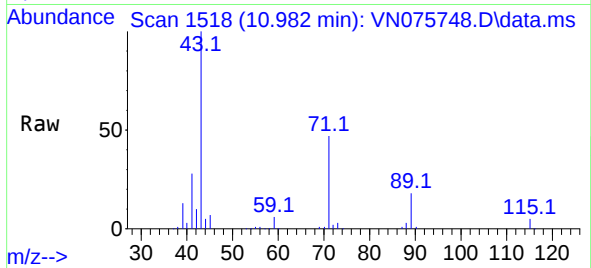




#56
Ethyl methacrylate
Concen: 0.379 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

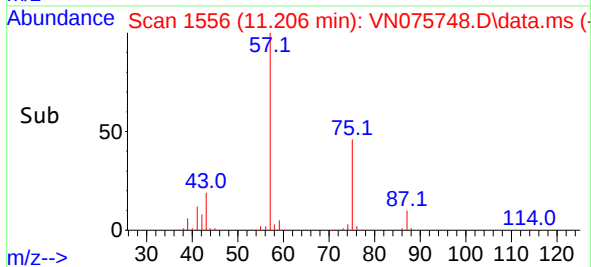
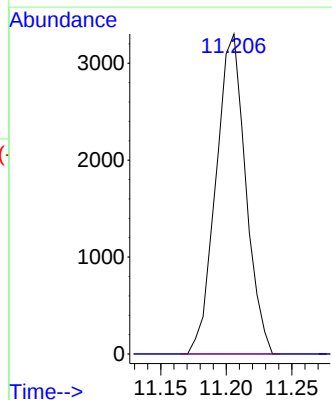
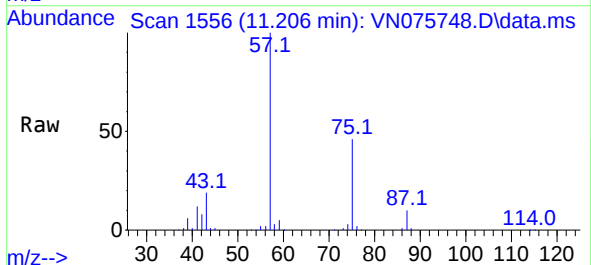
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-04

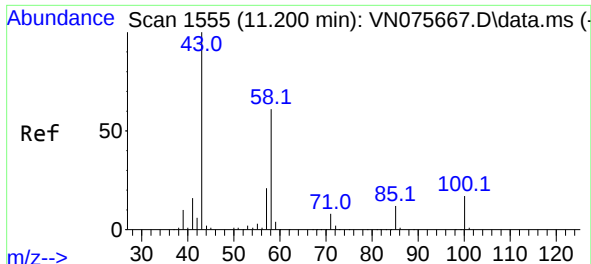
Tgt Ion: 69 Resp: 1234
Ion Ratio Lower Upper
69 100
41 4446.5 44.1 66.1#
39 2030.1 27.7 41.5#



#57
1,3-Dichloropropane
Concen: 1.339 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Tgt Ion: 76 Resp: 5199
Ion Ratio Lower Upper
76 100
78 0.0 26.8 40.2#

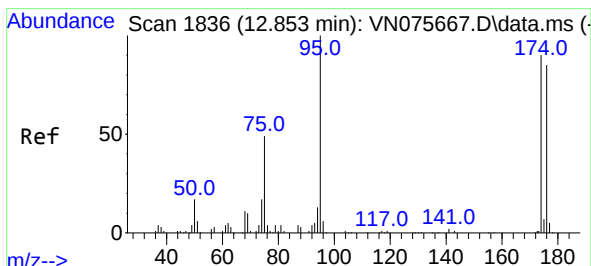
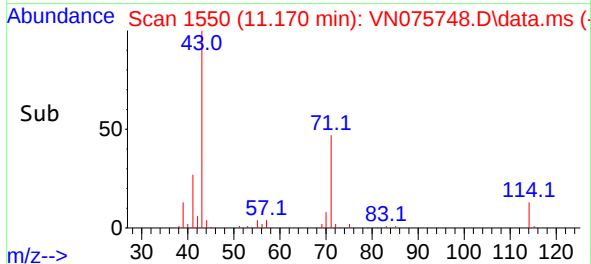
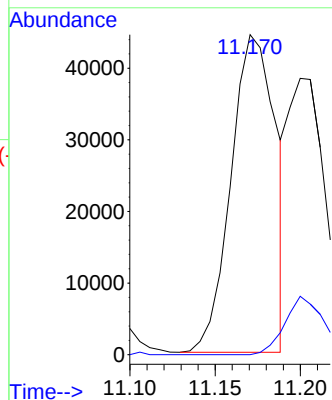
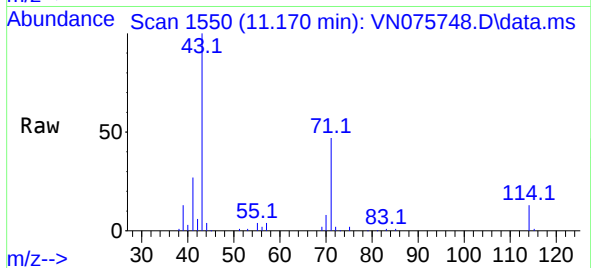




#59
2-Hexanone
Concen: 44.687 ug/l
RT: 11.170 min Scan# 1150
Delta R.T. -0.029 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

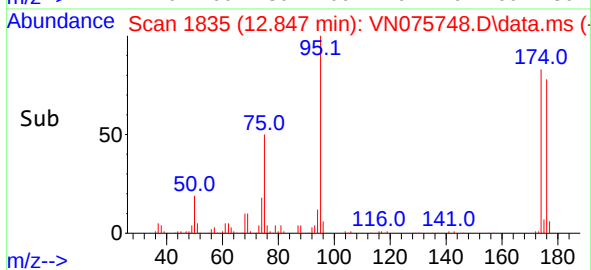
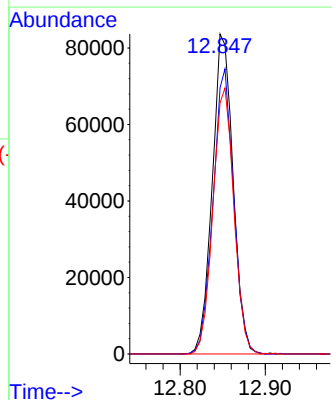
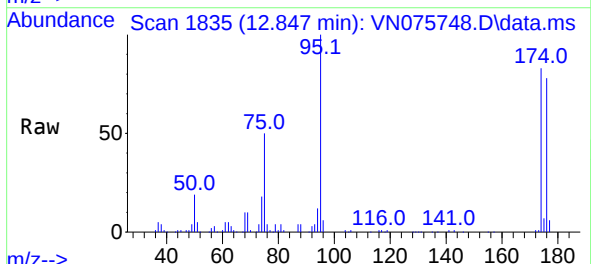
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-04

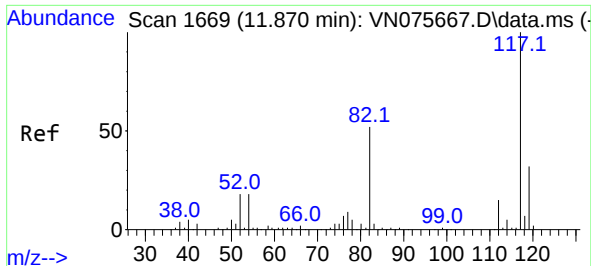
Tgt Ion: 43 Resp: 80841
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 48.602 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Tgt Ion: 95 Resp: 141591
Ion Ratio Lower Upper
95 100
174 88.4 0.0 178.6
176 83.9 0.0 170.8

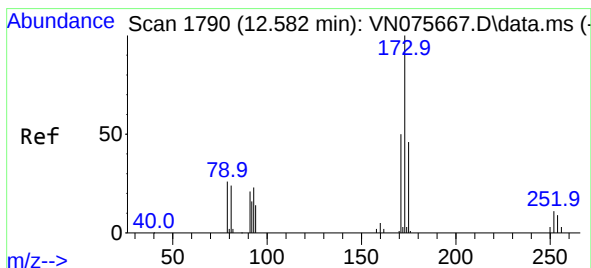
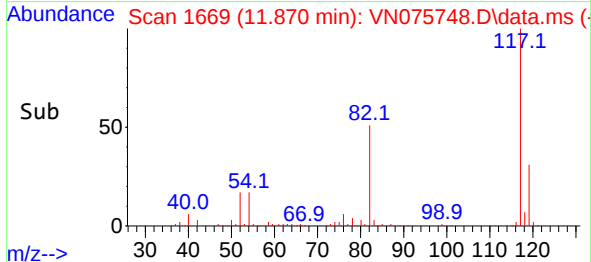
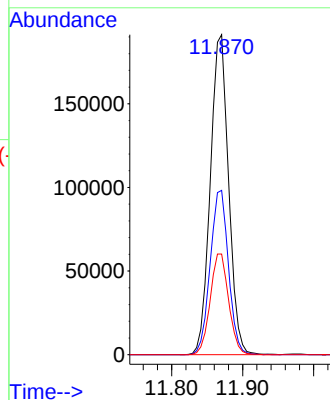
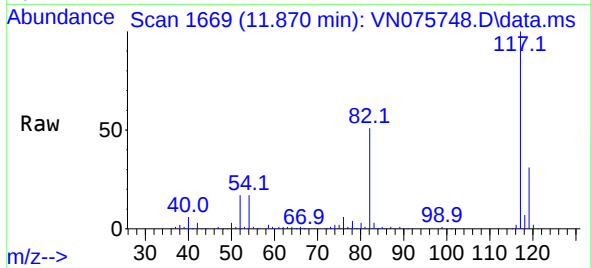




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

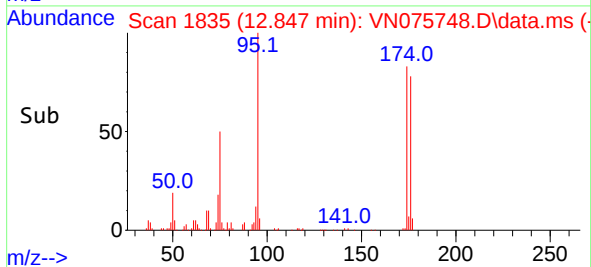
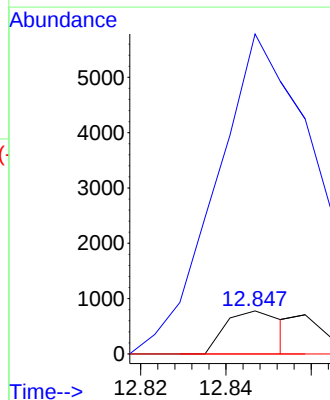
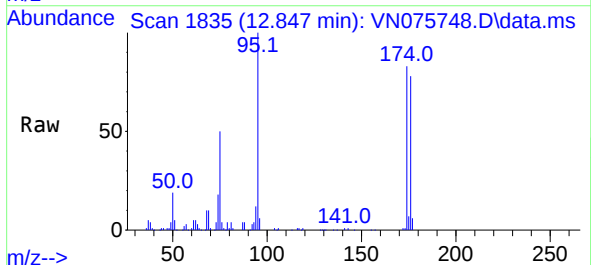
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-04

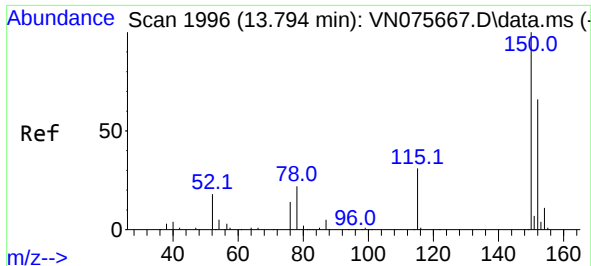
Tgt Ion:117 Resp: 341697
Ion Ratio Lower Upper
117 100
82 51.4 41.8 62.8
119 31.4 25.8 38.6



#71
Bromoform
Concen: 0.373 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Tgt Ion:173 Resp: 723
Ion Ratio Lower Upper
173 100
175 1106.2 23.8 71.2#
254 0.0 0.0 0.0

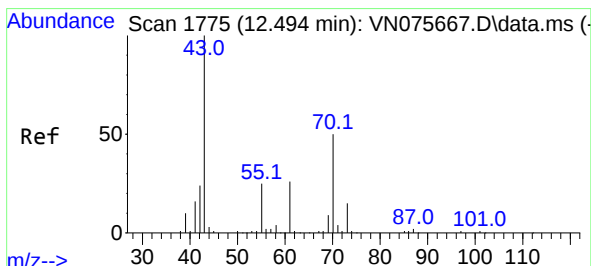
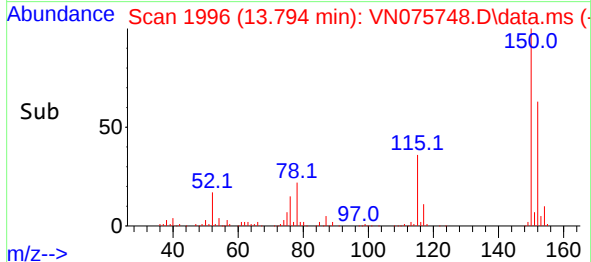
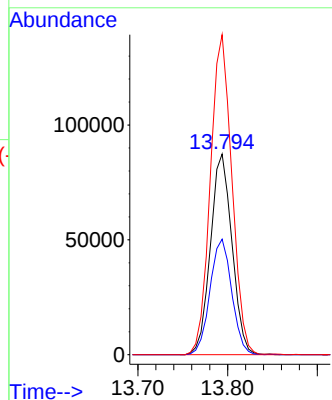
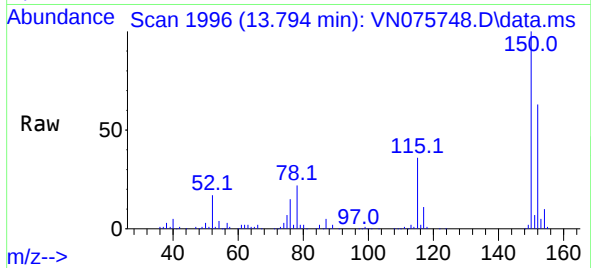




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

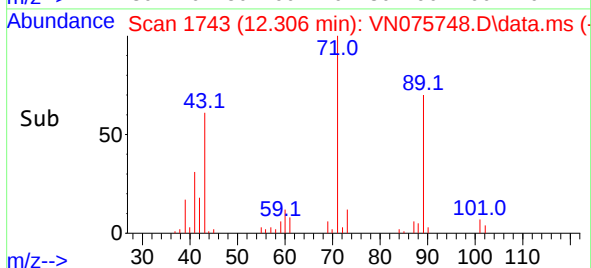
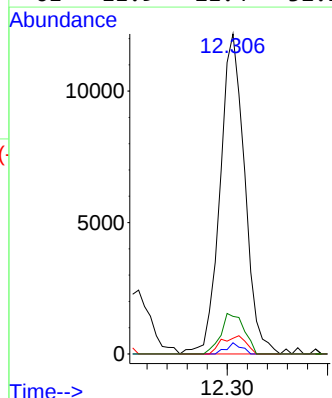
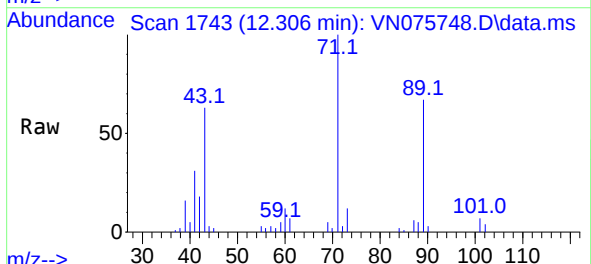
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-04

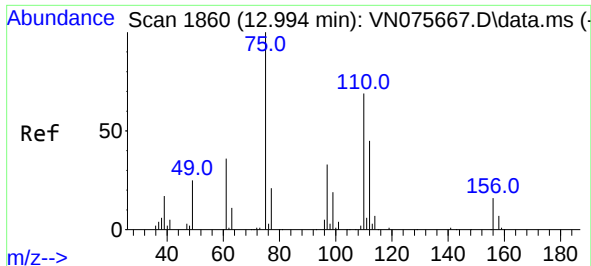
Tgt Ion:152 Resp: 145632
Ion Ratio Lower Upper
152 100
115 58.1 28.4 85.2
150 159.2 0.0 347.6



#74
N-ethyl acetate
Concen: 6.804 ug/l
RT: 12.306 min Scan# 1743
Delta R.T. -0.188 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Tgt Ion: 43 Resp: 20673
Ion Ratio Lower Upper
43 100
70 2.1 41.0 61.6#
55 5.6 20.7 31.1#
61 11.9 21.4 32.2#

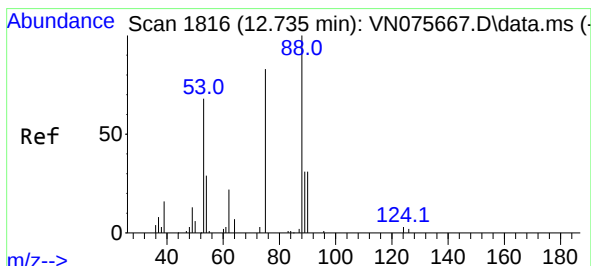
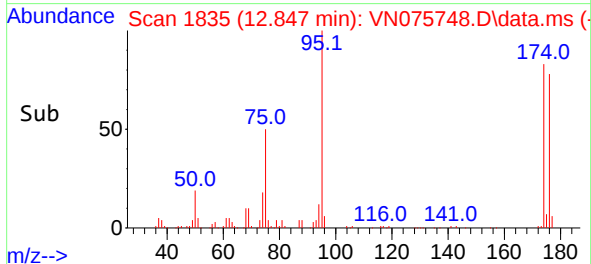
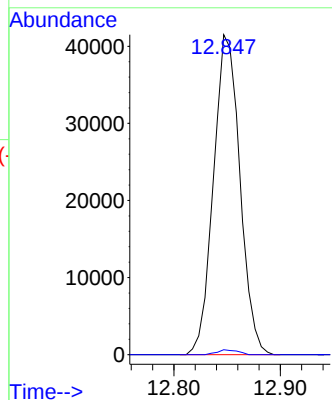
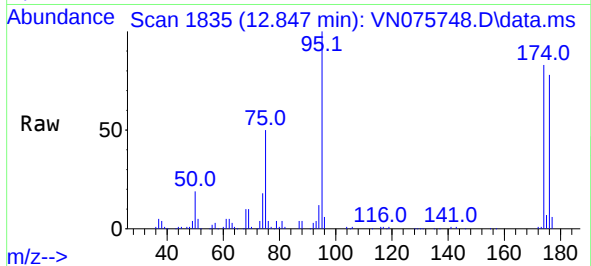




#76
1,2,3-Trichloropropane
Concen: 24.477 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

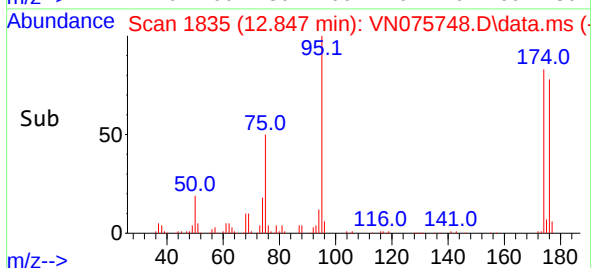
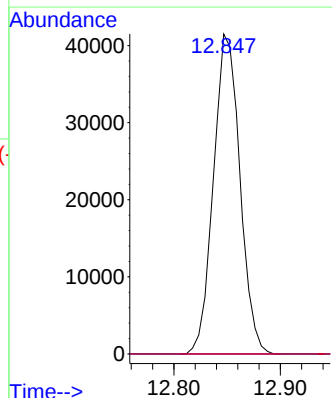
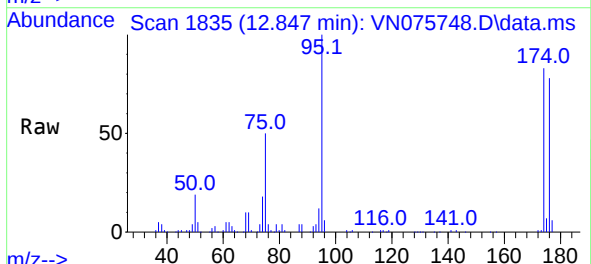
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-04

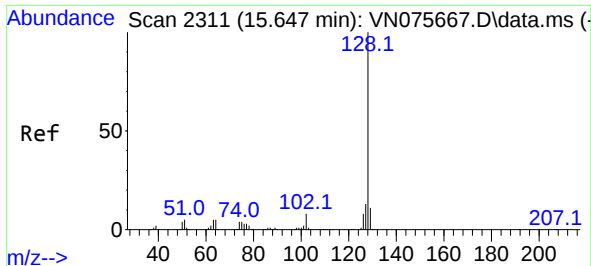
Tgt Ion: 75 Resp: 71586
Ion Ratio Lower Upper
75 100
77 1.2 81.8 245.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.150 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

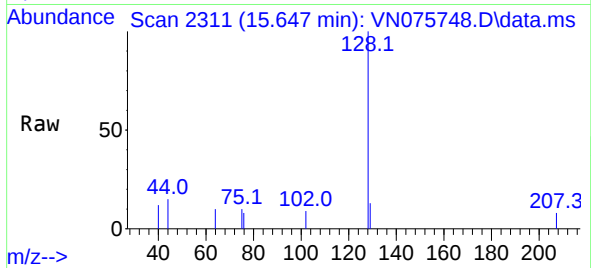
Tgt Ion: 75 Resp: 71586
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#





#95
Naphthalene
Concen: 0.568 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN075748.D
Acq: 13 Dec 2022 08:04

Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-04



Tgt Ion:128 Resp: 3942
Ion Ratio Lower Upper
128 100
127 2.5 10.2 15.4#
129 7.4 8.4 12.6#

