

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075745.D
 Acq On : 13 Dec 2022 06:52
 Operator : JC\MD
 Sample : N5964-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-518-COMP-01

Quant Time: Dec 13 08:33:10 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)

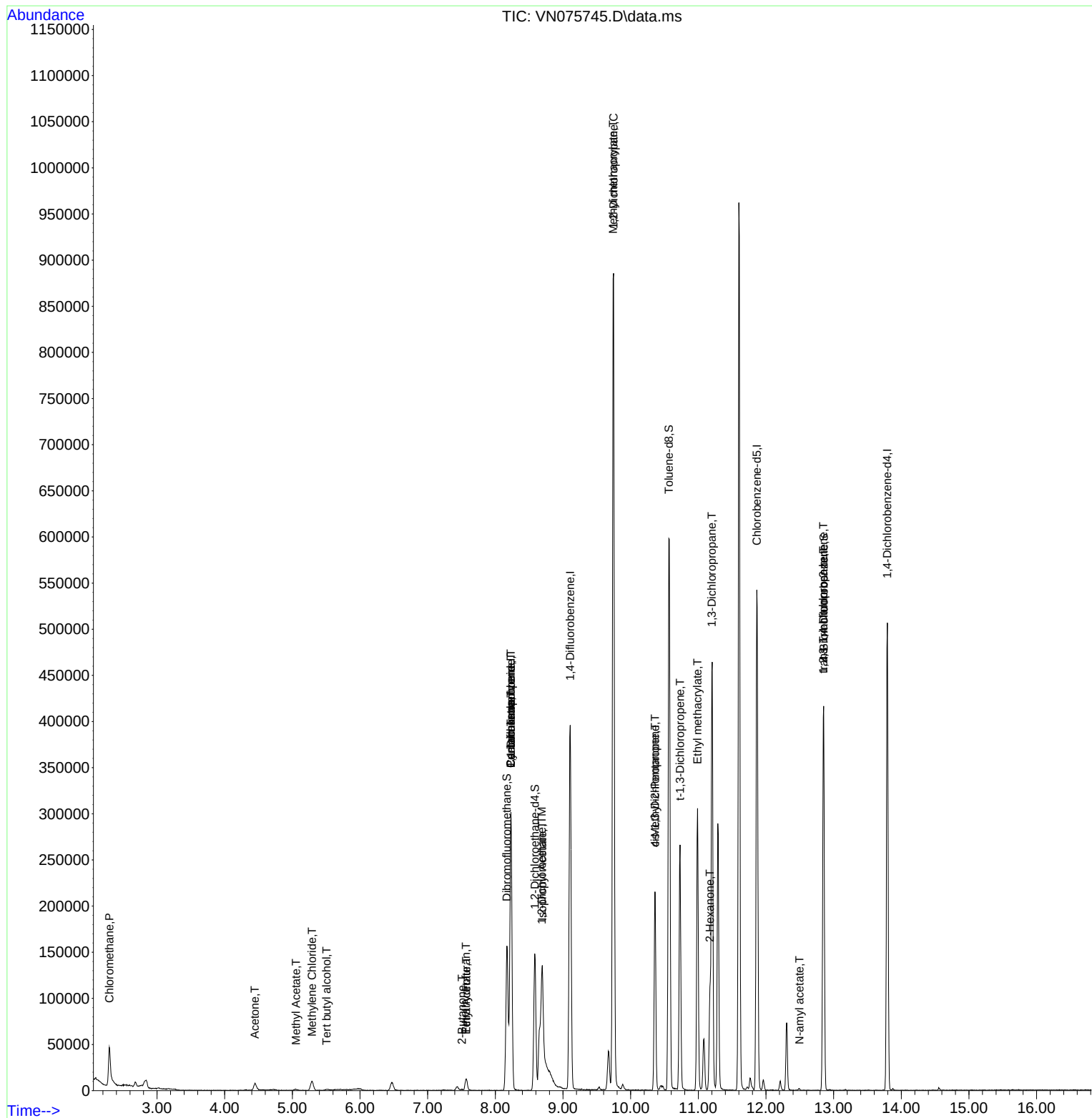
Internal Standards						
1) Pentafluorobenzene	8.229	168	233037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	372355	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	340445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	144744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	119976	48.523	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.040%		
35) Dibromofluoromethane	8.171	113	112160	49.371	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.740%		
50) Toluene-d8	10.565	98	438115	51.352	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.700%		
62) 4-Bromofluorobenzene	12.853	95	140342	48.112	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.220%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.295	50	1253	0.614	ug/l #	40
11) Tert butyl alcohol	5.506	59	363	0.992	ug/l #	72
16) Acetone	4.447	43	14704	17.560	ug/l #	83
18) Methyl Acetate	5.053	43	2711	1.008	ug/l #	81
20) Methylene Chloride	5.289	84	8569	3.433	ug/l #	87
25) 2-Butanone	7.506	43	1564	1.278	ug/l #	78
29) Tetrahydrofuran	7.565	42	947	1.255	ug/l #	25
31) Cyclohexane	8.229	56	4063	1.110	ug/l #	5
36) 1,1-Dichloropropene	8.229	75	15540	5.152	ug/l #	42
37) Ethyl Acetate	7.571	43	19198	7.927	ug/l	95
38) Carbon Tetrachloride	8.229	117	23501	6.751	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1050	0.339	ug/l #	71
43) Isopropyl Acetate	8.694	43	217686	53.838	ug/l #	69
45) 1,2-Dichloropropane	9.747	63	1189	0.540	ug/l #	43
48) Methyl methacrylate	9.741	41	81750	43.899	ug/l #	32
51) 4-Methyl-2-Pentanone	10.359	43	74176	29.751	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	838	0.262	ug/l #	44
54) cis-1,3-Dichloropropene	10.359	75	43419	12.192	ug/l #	65
56) Ethyl methacrylate	10.988	69	953	0.292	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5159	1.327	ug/l #	41
59) 2-Hexanone	11.171	43	82599	45.600	ug/l #	20
74) N-amyl acetate	12.494	43	1221	0.404	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	71477	24.589	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71477	78.497	ug/l #	13

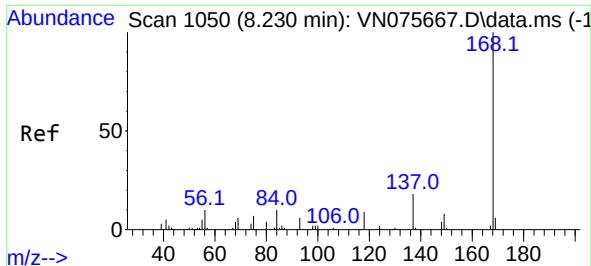
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Title : SW846 8260
QLast Update : Mon Dec 12 07:54:35 2022
Response via : Initial Calibration

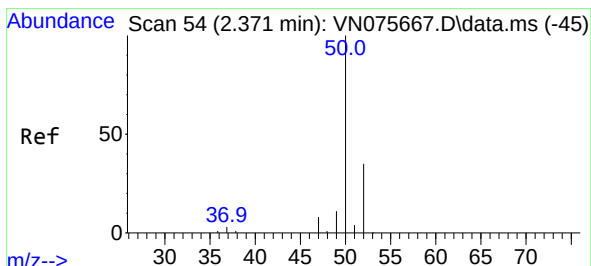
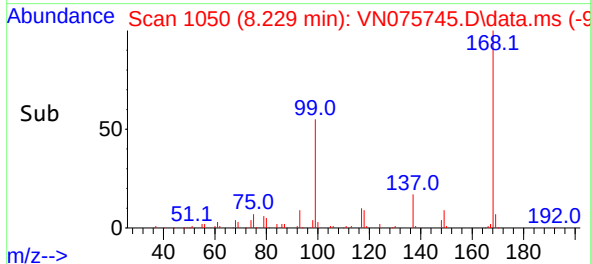
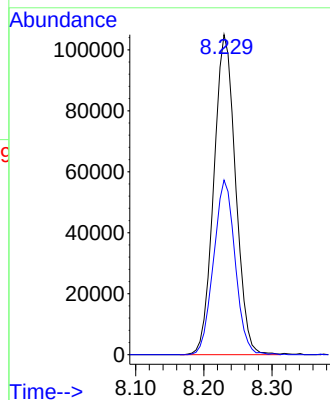
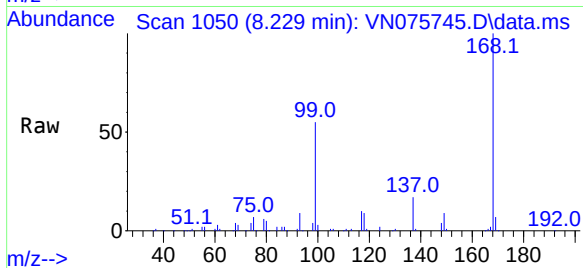




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

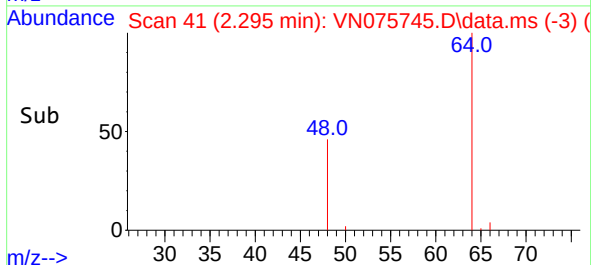
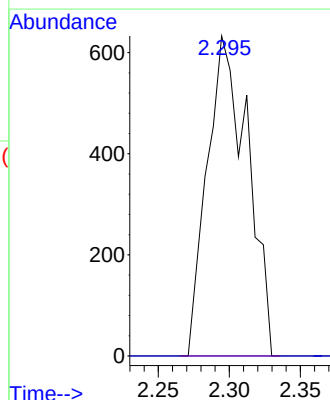
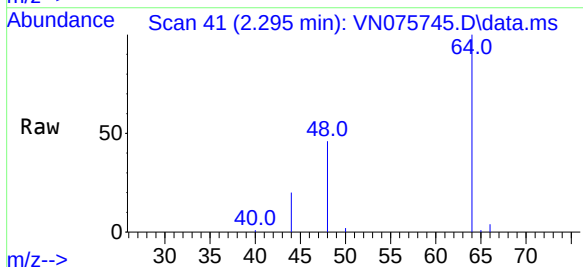
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-01

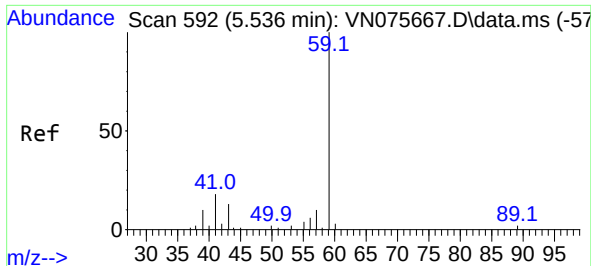
Tgt Ion:168 Resp: 233037
Ion Ratio Lower Upper
168 100
99 54.6 41.2 61.8



#3
Chloromethane
Concen: 0.614 ug/l
RT: 2.295 min Scan# 41
Delta R.T. -0.076 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

Tgt Ion: 50 Resp: 1253
Ion Ratio Lower Upper
50 100
52 0.0 27.9 41.9#





#11

Tert butyl alcohol

Concen: 0.992 ug/l

RT: 5.506 min Scan# 51

Delta R.T. -0.029 min

Lab File: VN075745.D

Acq: 13 Dec 2022 06:52

Instrument :

MSVOA_N

ClientSampleId :

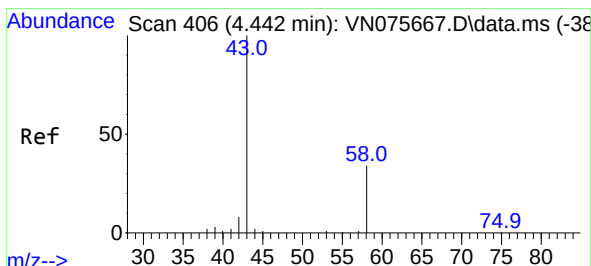
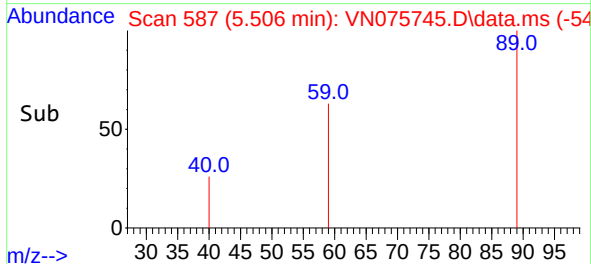
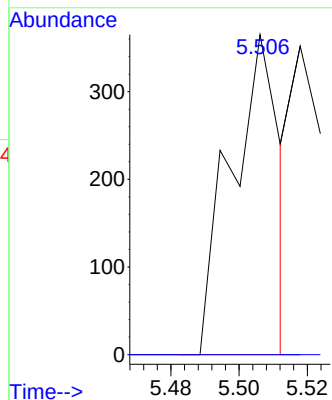
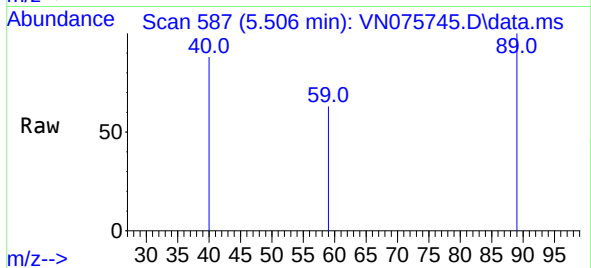
SU-518-COMP-01

Tgt Ion: 59 Resp: 363

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 17.560 ug/l

RT: 4.447 min Scan# 407

Delta R.T. 0.006 min

Lab File: VN075745.D

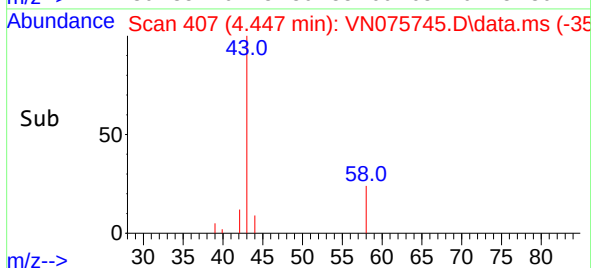
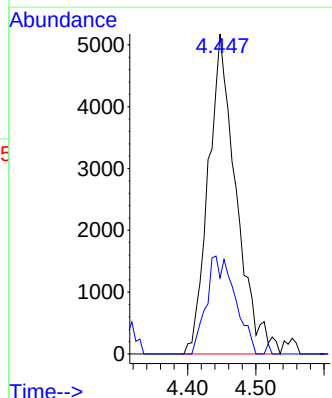
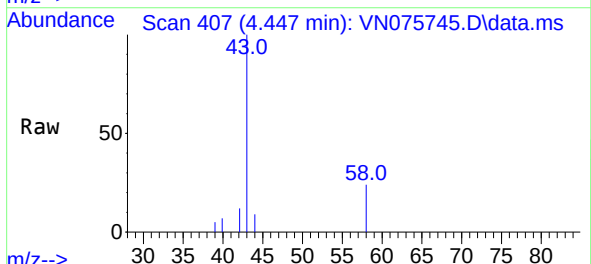
Acq: 13 Dec 2022 06:52

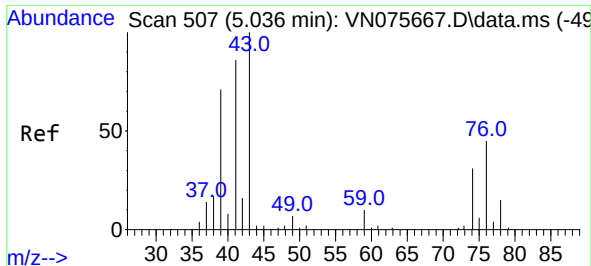
Tgt Ion: 43 Resp: 14704

Ion Ratio Lower Upper

43 100

58 23.7 27.0 40.4#

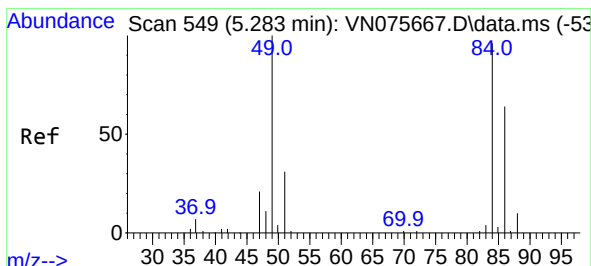
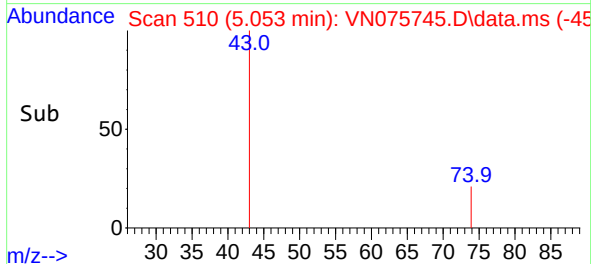
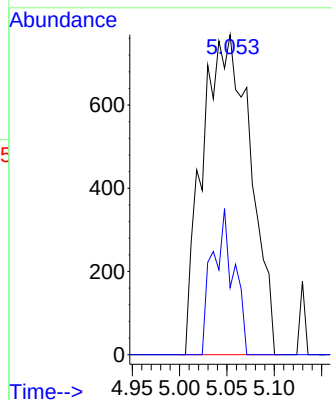
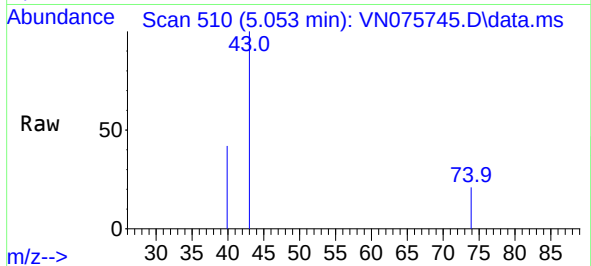




#18
Methyl Acetate
Concen: 1.008 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.018 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

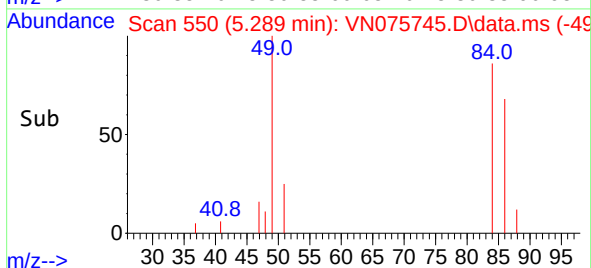
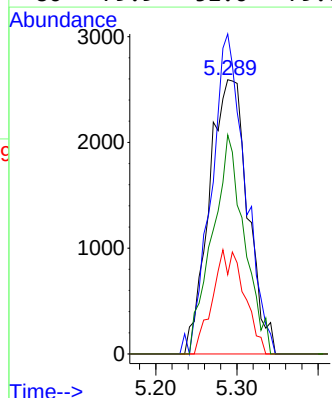
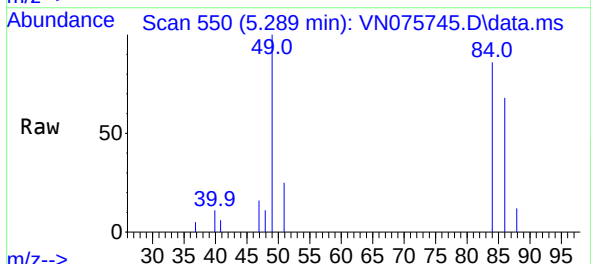
Instrument :
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ClientSampleId :
SU-518-COMP-01

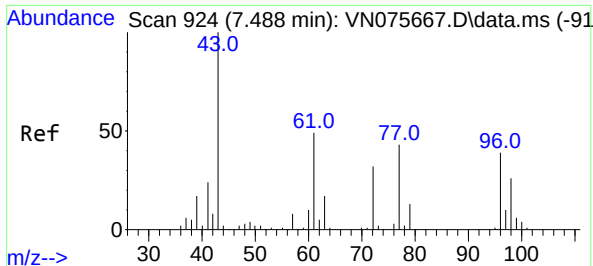
Tgt Ion: 43 Resp: 2711
Ion Ratio Lower Upper
43 100
74 20.3 24.5 36.7#



#20
Methylene Chloride
Concen: 3.433 ug/l
RT: 5.289 min Scan# 550
Delta R.T. 0.006 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

Tgt Ion: 84 Resp: 8569
Ion Ratio Lower Upper
84 100
49 116.7 83.0 124.4
51 28.9 26.0 39.0
86 79.9 52.6 79.0#

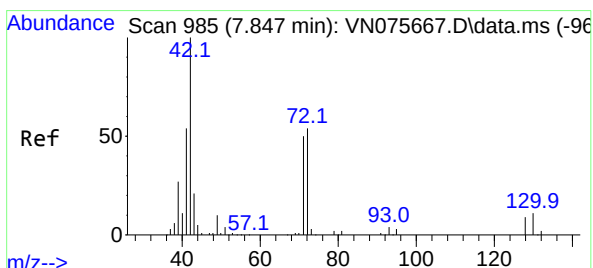
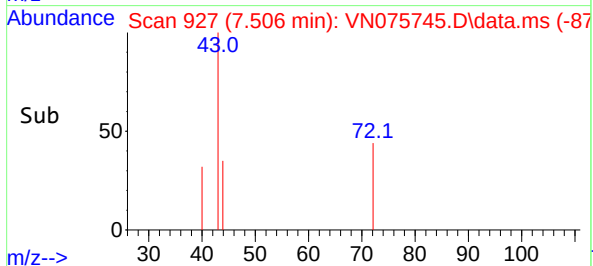
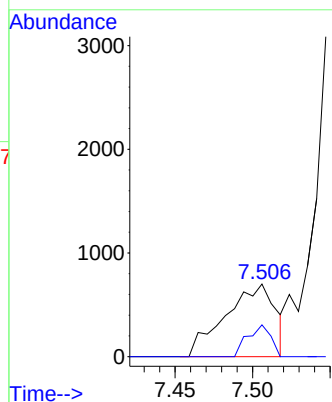
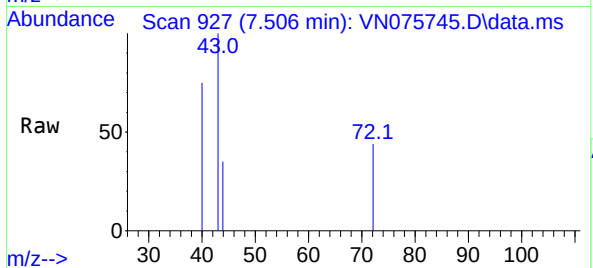




#25
2-Butanone
Concen: 1.278 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

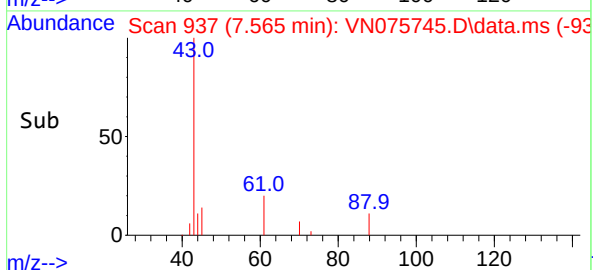
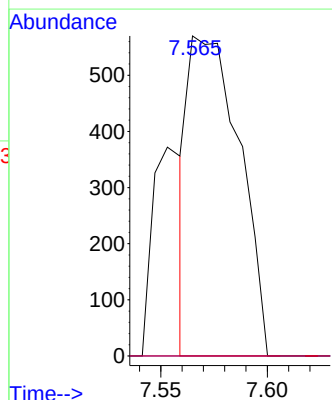
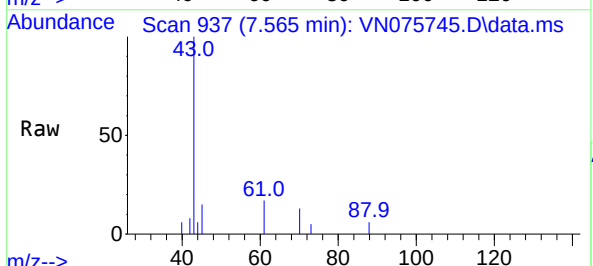
Instrument :
MSVOA_N
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SU-518-COMP-01

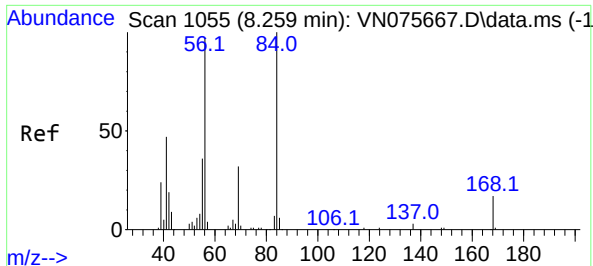
Tgt Ion: 43 Resp: 1564
Ion Ratio Lower Upper
43 100
72 43.7 25.3 37.9#



#29
Tetrahydrofuran
Concen: 1.255 ug/l
RT: 7.565 min Scan# 937
Delta R.T. -0.282 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

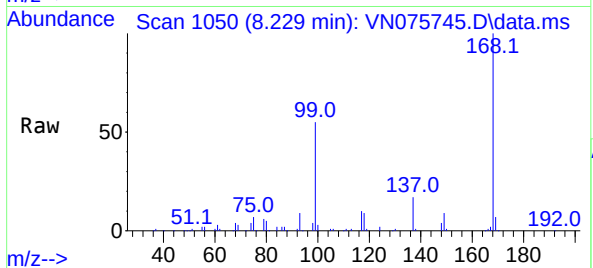
Tgt Ion: 42 Resp: 947
Ion Ratio Lower Upper
42 100
72 0.0 44.6 67.0#
71 0.0 41.2 61.8#





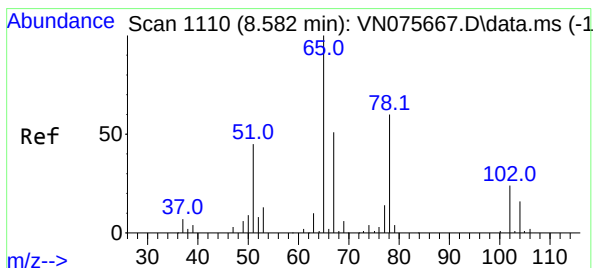
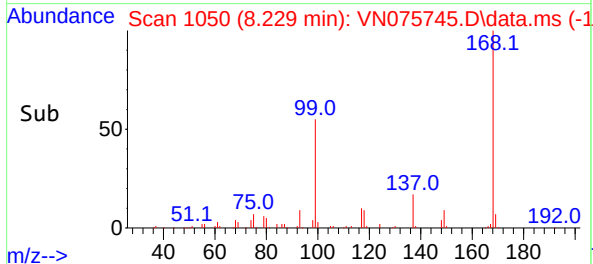
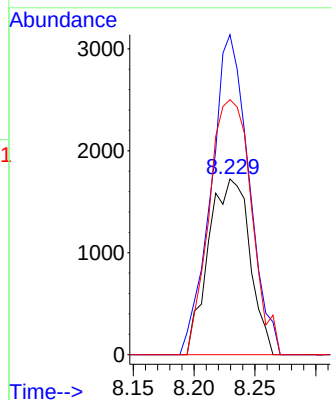
#31
Cyclohexane
Concen: 1.110 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-01



Tgt Ion: 56 Resp: 4063

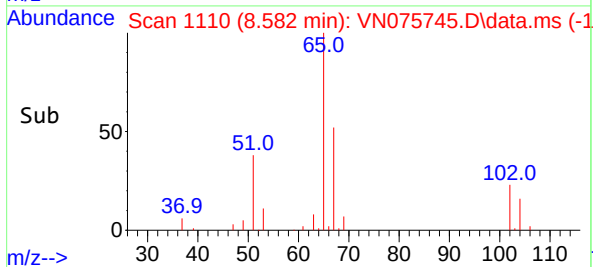
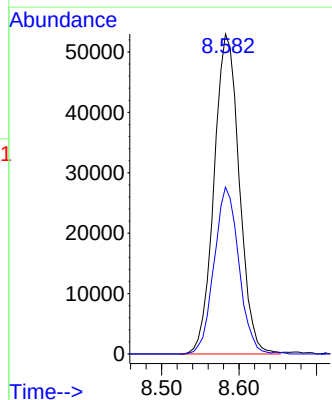
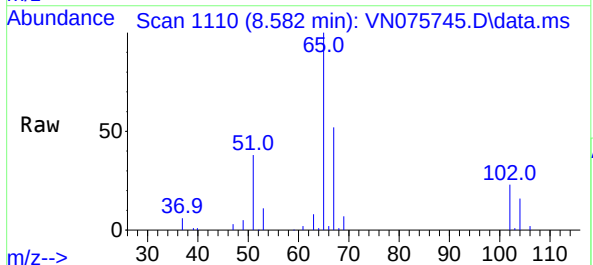
Ion	Ratio	Lower	Upper
56	100		
69	182.2	26.2	39.2#
84	145.2	82.8	124.2#

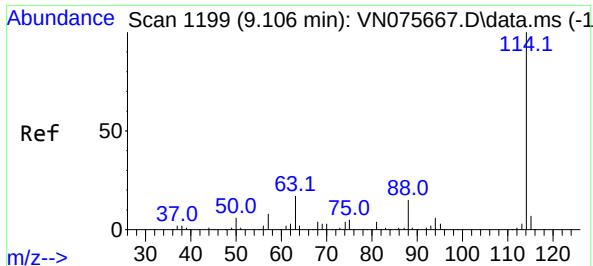


#33
1,2-Dichloroethane-d4
Concen: 48.523 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

Tgt Ion: 65 Resp: 119976

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	104.2

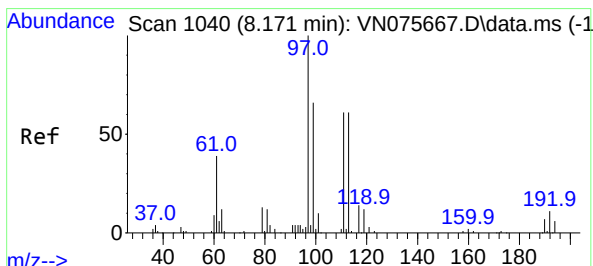
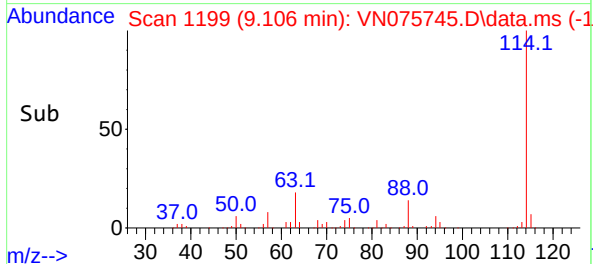
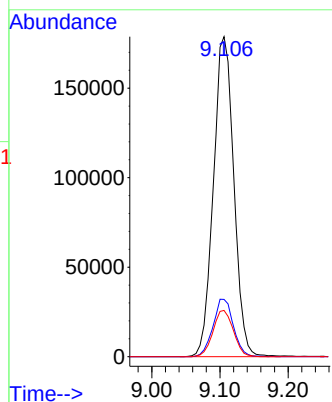
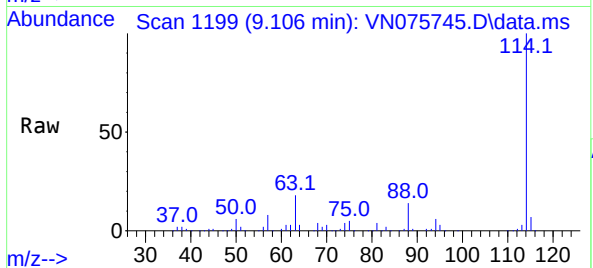




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

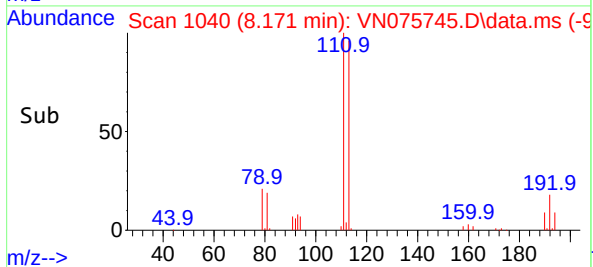
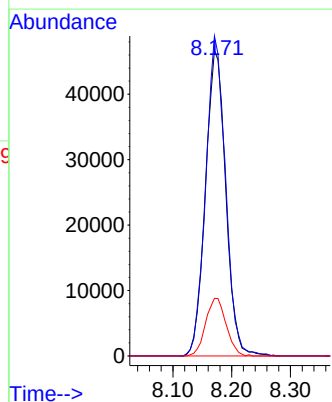
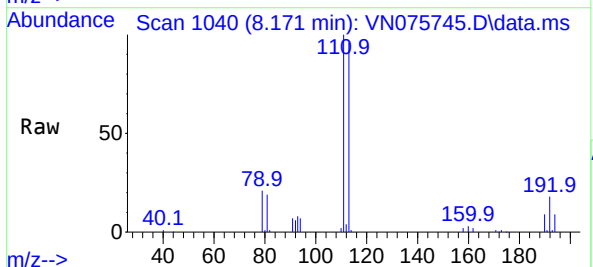
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SU-518-COMP-01

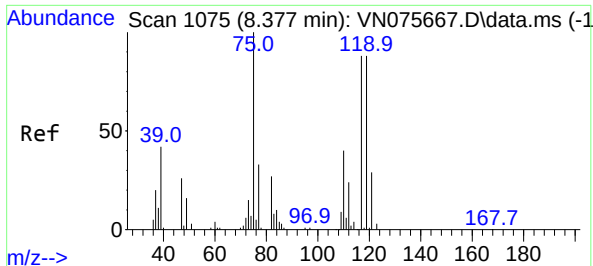
Tgt Ion:114 Resp: 372355
Ion Ratio Lower Upper
114 100
63 17.9 0.0 34.4
88 14.4 0.0 29.2



#35
Dibromofluoromethane
Concen: 49.371 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

Tgt Ion:113 Resp: 112160
Ion Ratio Lower Upper
113 100
111 102.1 81.0 121.6
192 19.0 16.2 24.2

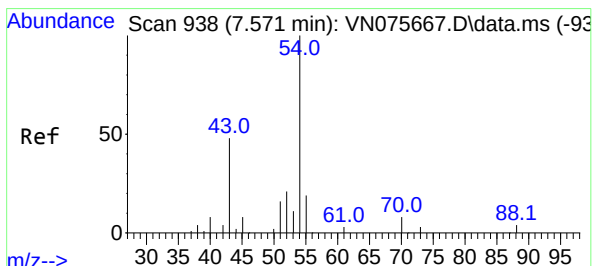
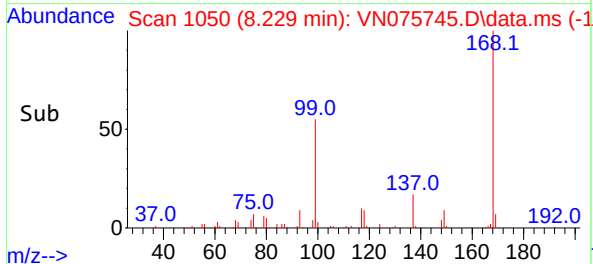
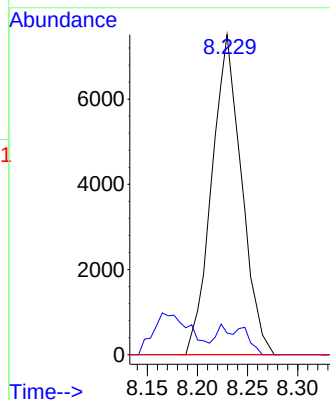
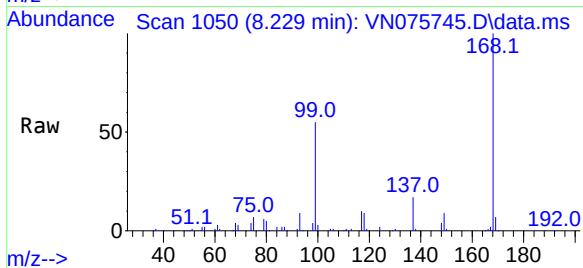




#36
1,1-Dichloropropene
Concen: 5.152 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

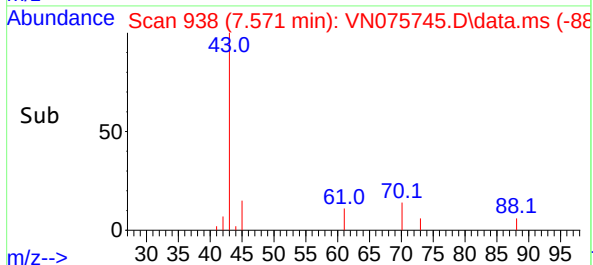
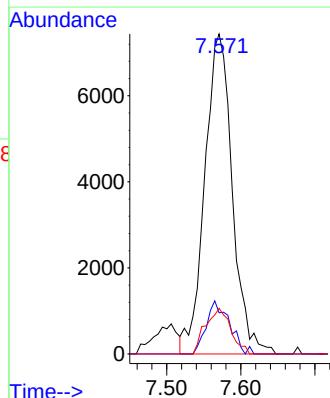
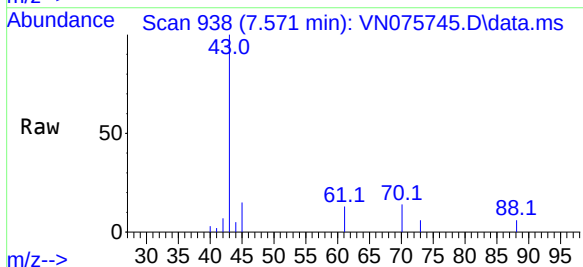
Instrument :
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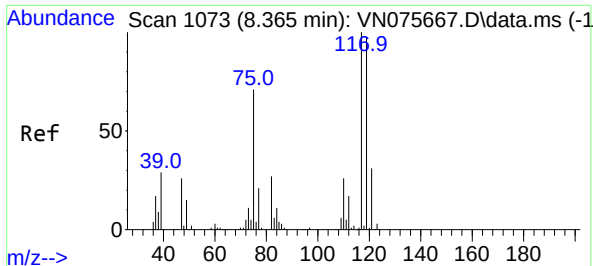
Tgt Ion: 75 Resp: 15540
Ion Ratio Lower Upper
75 100
110 2.3 18.9 56.9#
77 0.0 25.4 38.2#



#37
Ethyl Acetate
Concen: 7.927 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

Tgt Ion: 43 Resp: 19198
Ion Ratio Lower Upper
43 100
61 13.6 13.3 19.9
70 13.0 9.9 14.9

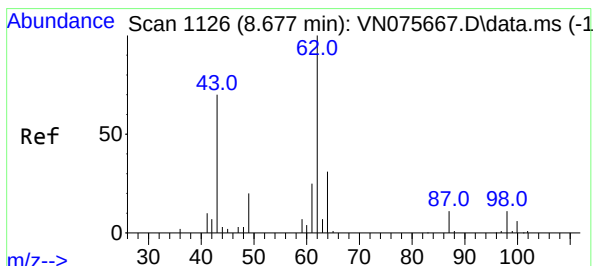
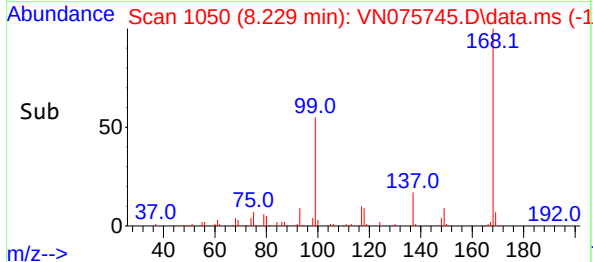
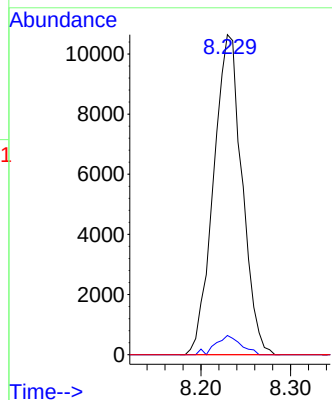
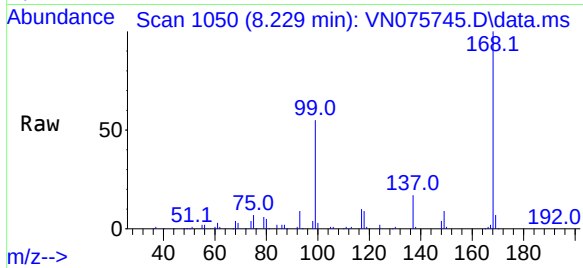




#38
Carbon Tetrachloride
Concen: 6.751 ug/l
RT: 8.229 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

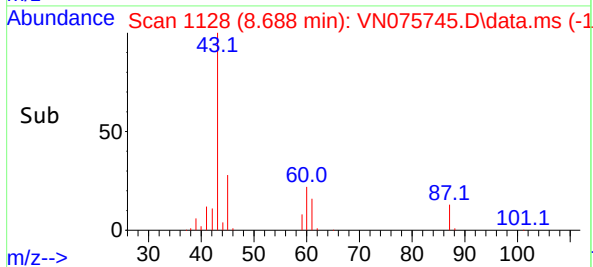
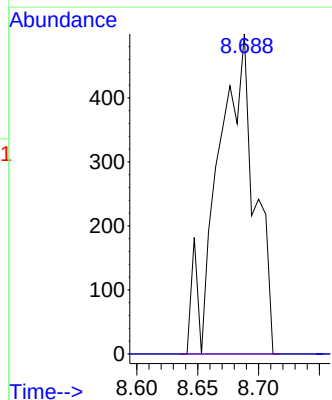
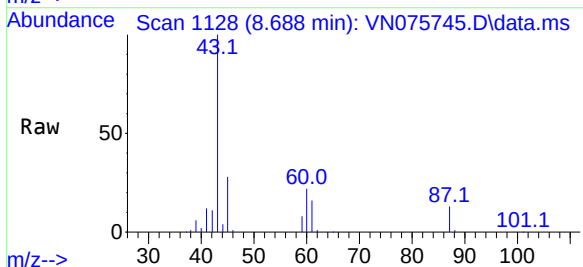
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-01

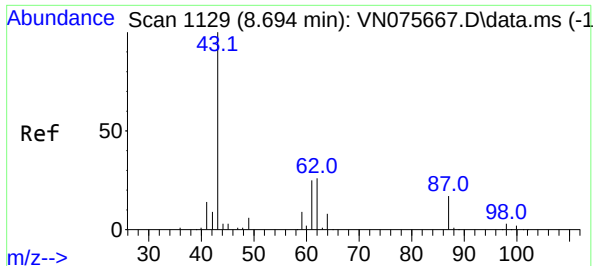
Tgt Ion:117 Resp: 23501
Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.339 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

Tgt Ion: 62 Resp: 1050
Ion Ratio Lower Upper
62 100
98 0.0 0.0 21.8

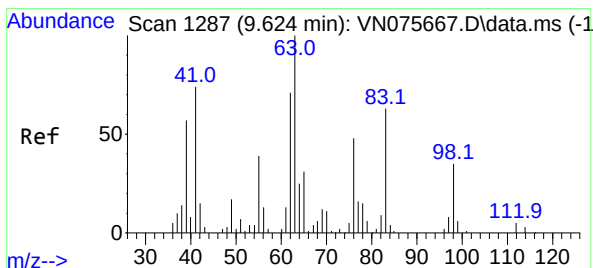
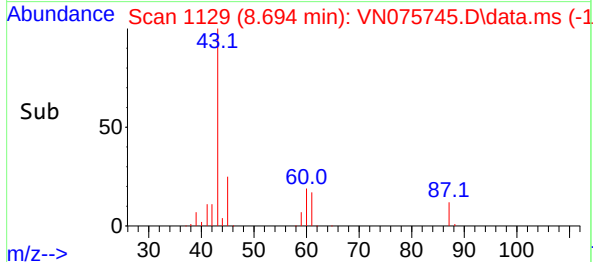
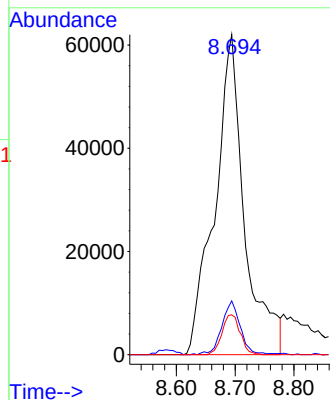
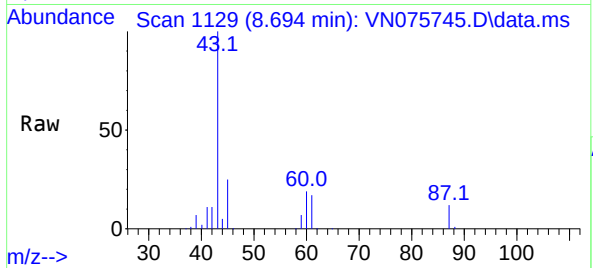




#43
Isopropyl Acetate
Concen: 53.838 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

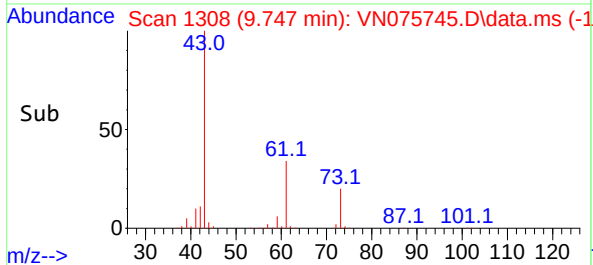
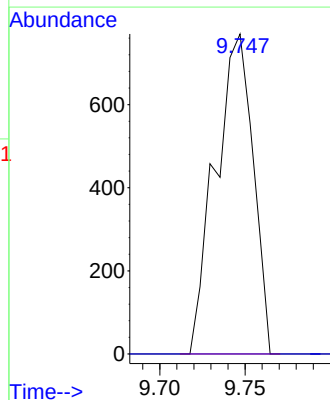
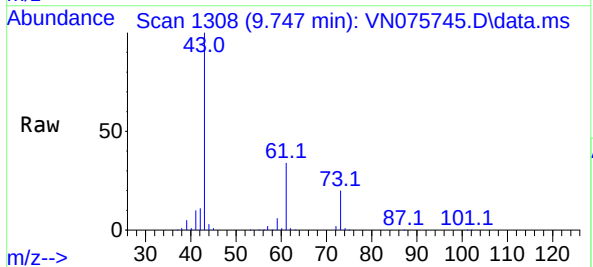
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-01

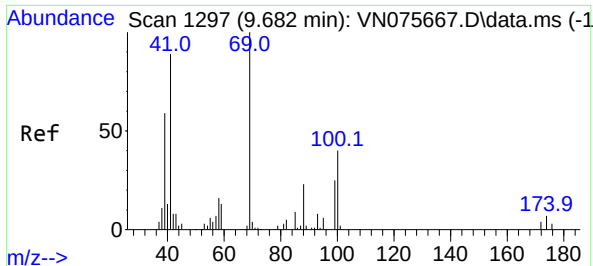
Tgt Ion: 43 Resp: 217686
Ion Ratio Lower Upper
43 100
61 10.4 23.8 35.8#
87 7.6 13.7 20.5#



#45
1,2-Dichloropropane
Concen: 0.540 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

Tgt Ion: 63 Resp: 1189
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#





#48

Methyl methacrylate

Concen: 43.899 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN075745.D

Acq: 13 Dec 2022 06:52

Instrument :

MSVOA_N

ClientSampleId :

SU-518-COMP-01

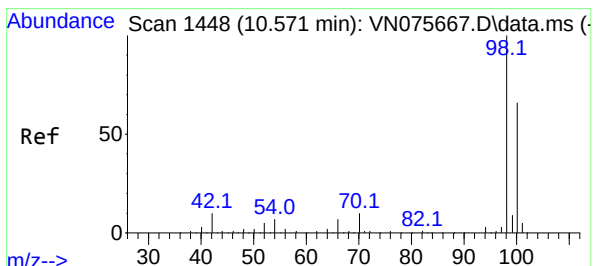
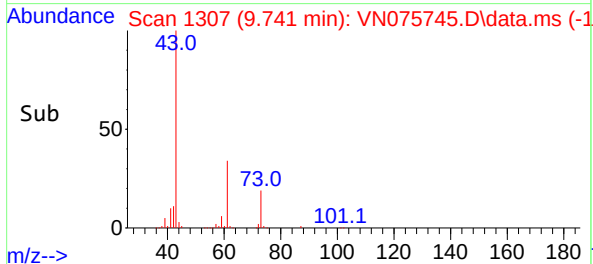
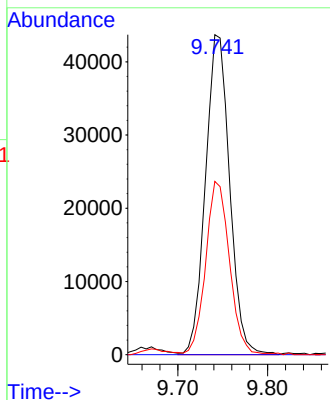
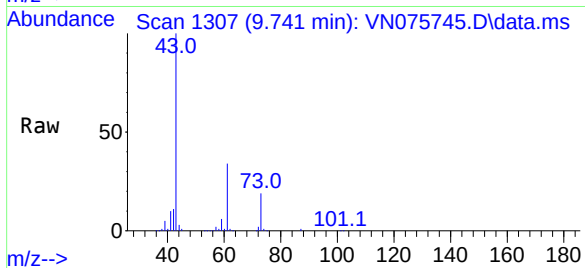
Tgt Ion: 41 Resp: 81750

Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 53.6 53.2 79.8



#50

Toluene-d8

Concen: 51.352 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN075745.D

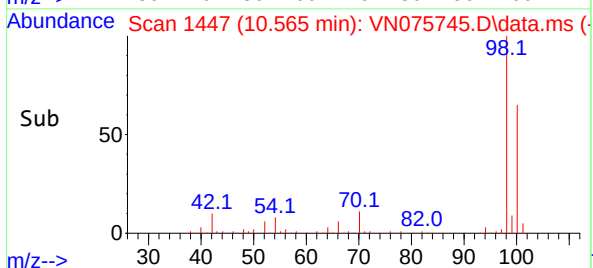
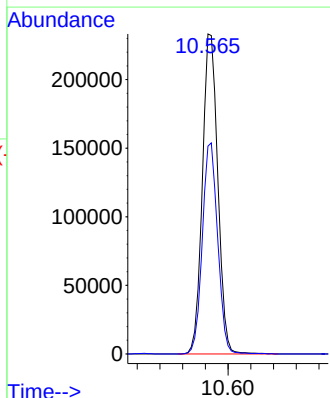
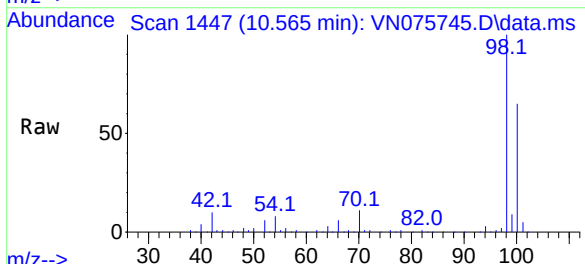
Acq: 13 Dec 2022 06:52

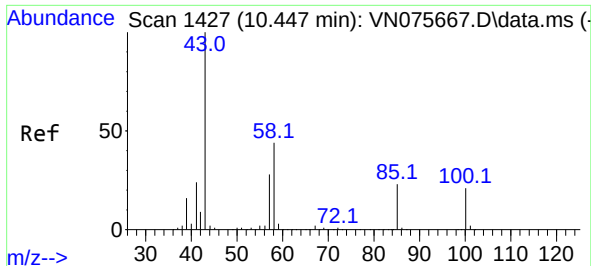
Tgt Ion: 98 Resp: 438115

Ion Ratio Lower Upper

98 100

100 65.7 52.6 78.8

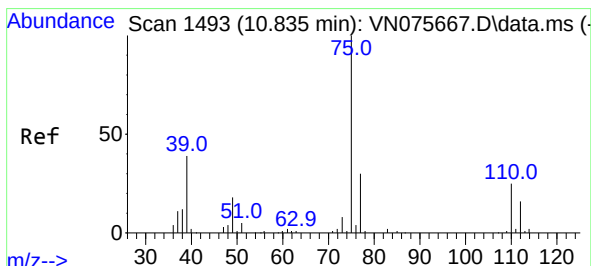
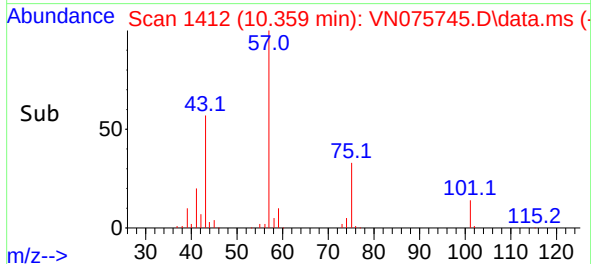
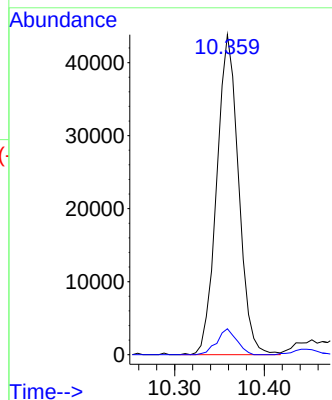
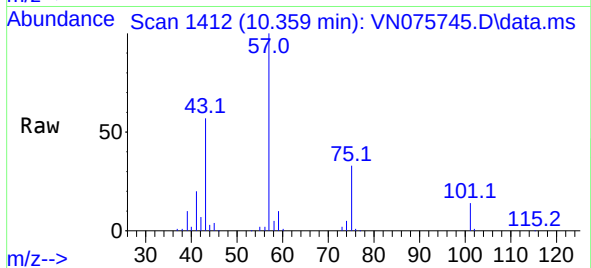




#51
4-Methyl-2-Pentanone
Concen: 29.751 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

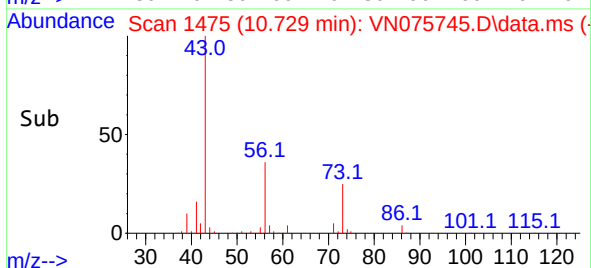
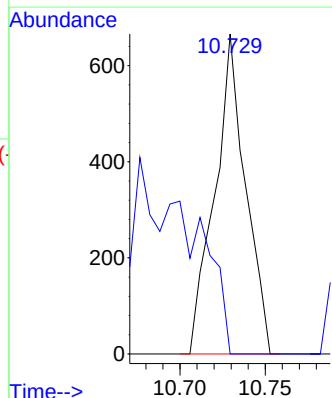
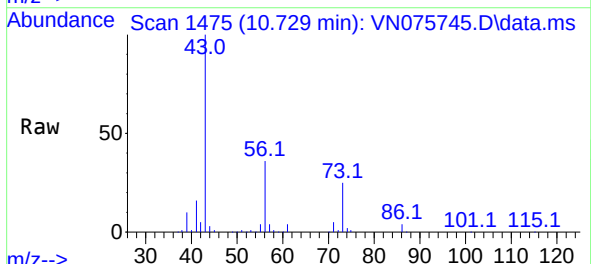
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-01

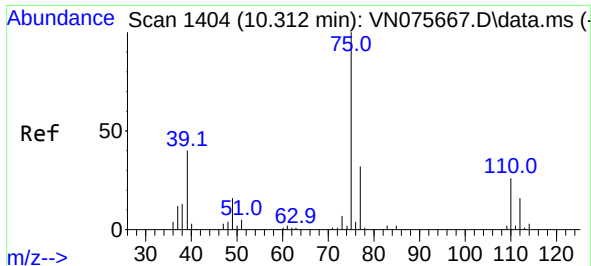
Tgt Ion: 43 Resp: 74176
Ion Ratio Lower Upper
43 100
58 7.3 35.0 52.6#



#53
t-1,3-Dichloropropene
Concen: 0.262 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

Tgt Ion: 75 Resp: 838
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#

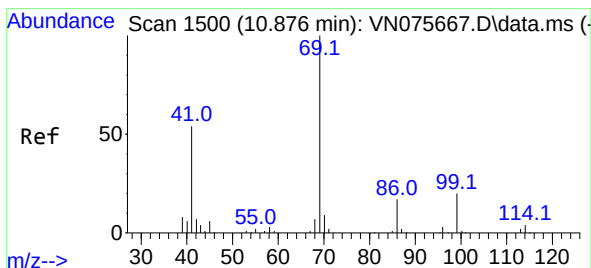
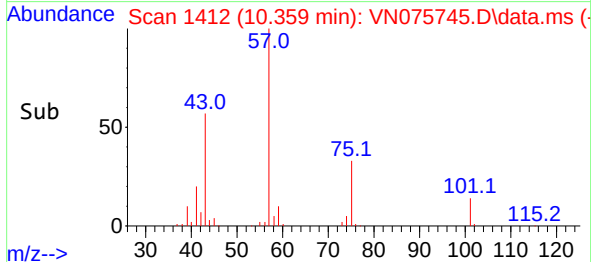
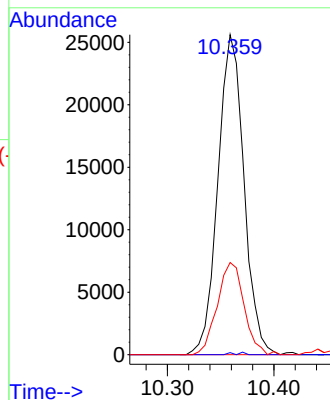
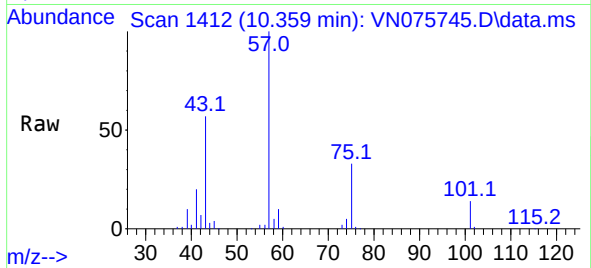




#54
 cis-1,3-Dichloropropene
 Concen: 12.192 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075745.D
 Acq: 13 Dec 2022 06:52

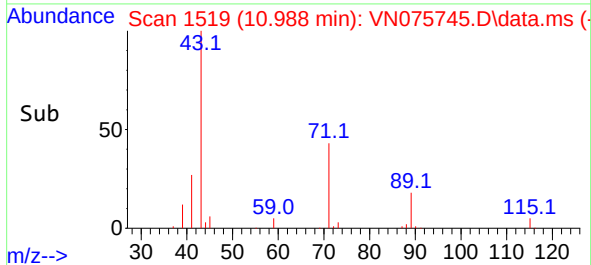
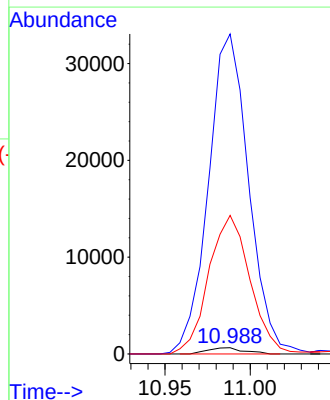
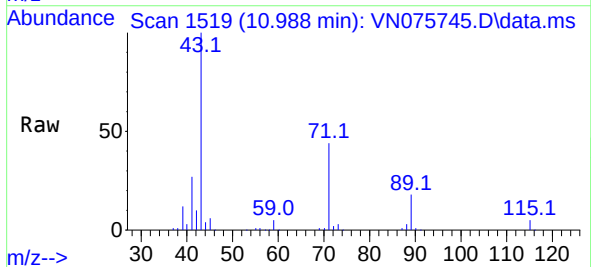
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-518-COMP-01

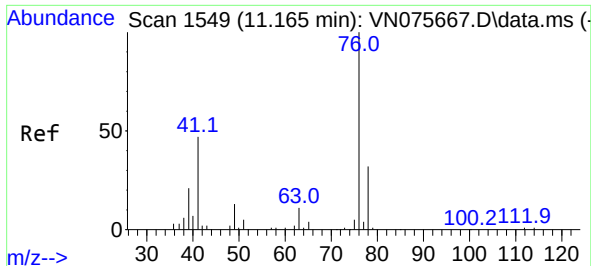
Tgt Ion: 75 Resp: 43419
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 28.8 32.0 48.0#



#56
 Ethyl methacrylate
 Concen: 0.292 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.112 min
 Lab File: VN075745.D
 Acq: 13 Dec 2022 06:52

Tgt Ion: 69 Resp: 953
 Ion Ratio Lower Upper
 69 100
 41 5716.5 44.1 66.1#
 39 2544.1 27.7 41.5#





#57

1,3-Dichloropropane

Concen: 1.327 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075745.D

Acq: 13 Dec 2022 06:52

Instrument :

MSVOA_N

ClientSampleId :

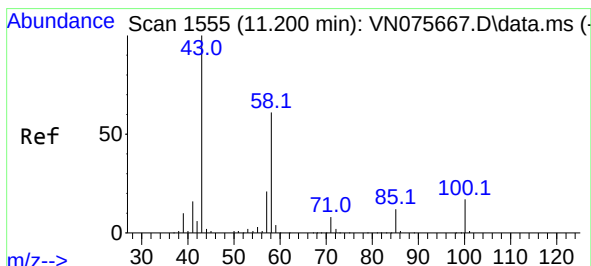
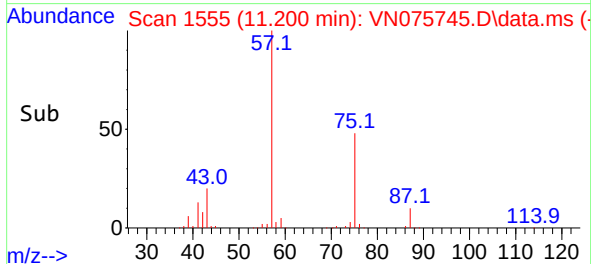
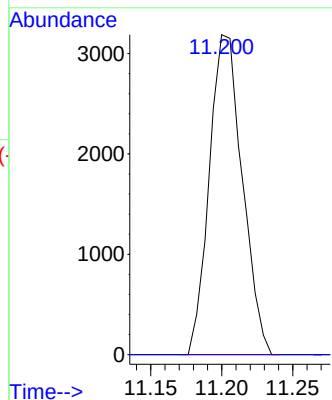
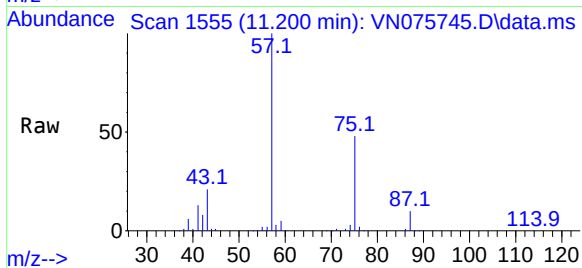
SU-518-COMP-01

Tgt Ion: 76 Resp: 5159

Ion Ratio Lower Upper

76 100

78 0.0 26.8 40.2#



#59

2-Hexanone

Concen: 45.600 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN075745.D

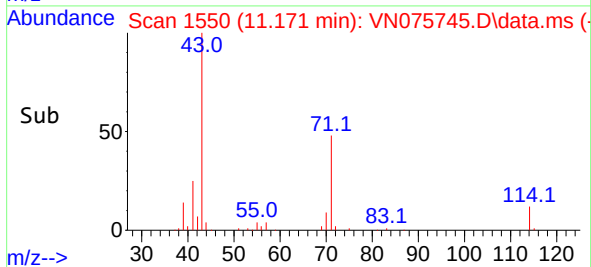
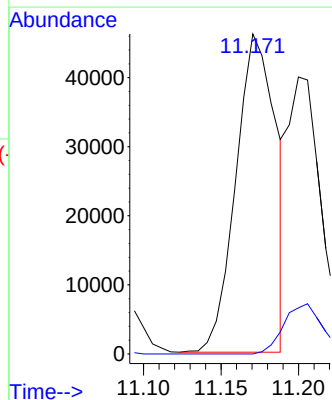
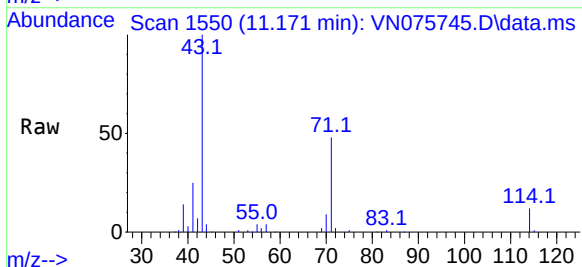
Acq: 13 Dec 2022 06:52

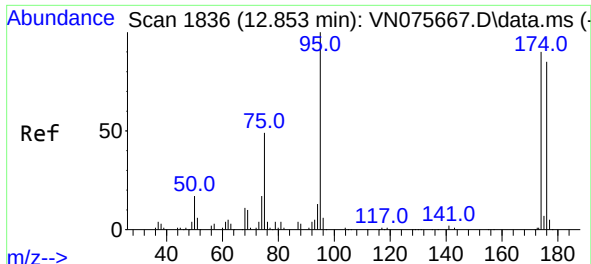
Tgt Ion: 43 Resp: 82599

Ion Ratio Lower Upper

43 100

58 0.0 30.9 92.5#





#62

4-Bromofluorobenzene

Concen: 48.112 ug/l

RT: 12.853 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN075745.D

Acq: 13 Dec 2022 06:52

Instrument :

MSVOA_N

ClientSampleId :

SU-518-COMP-01

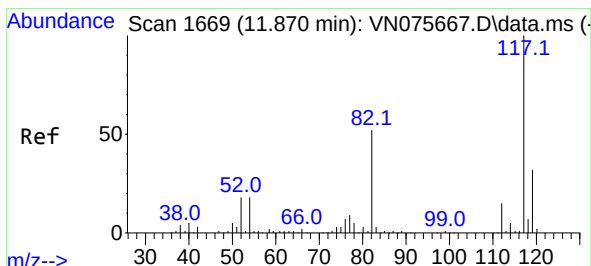
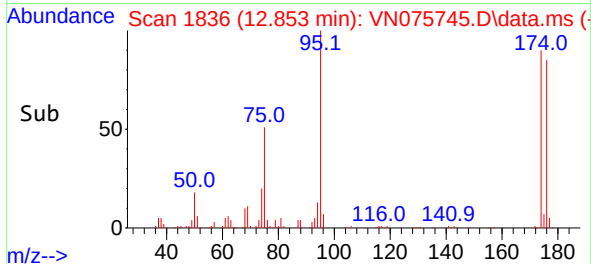
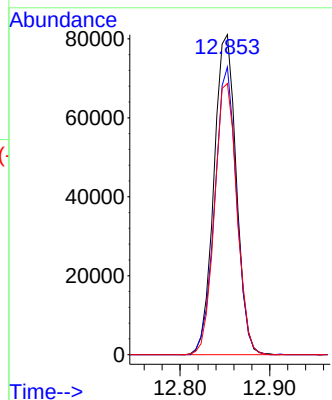
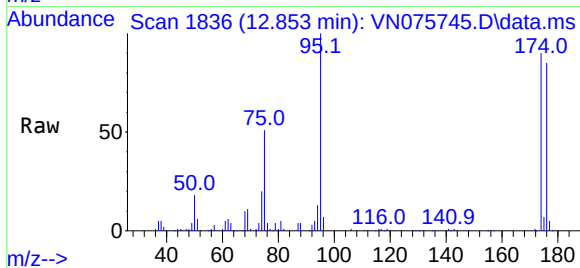
Tgt Ion: 95 Resp: 140342

Ion Ratio Lower Upper

95 100

174 87.5 0.0 178.6

176 84.8 0.0 170.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1668

Delta R.T. -0.006 min

Lab File: VN075745.D

Acq: 13 Dec 2022 06:52

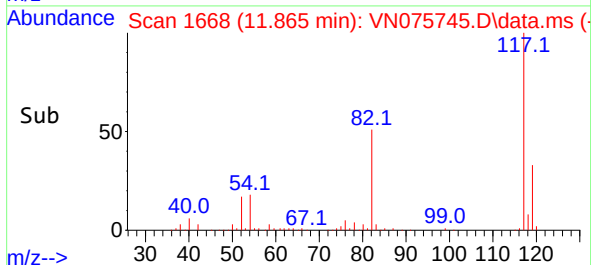
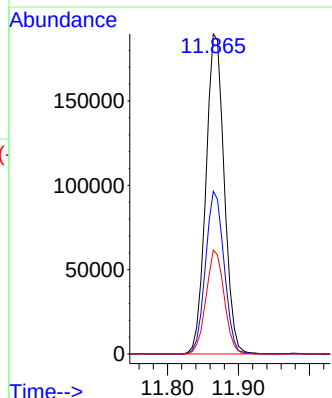
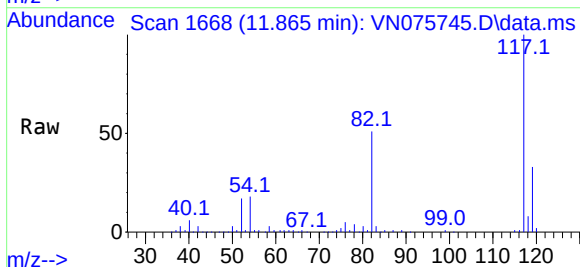
Tgt Ion: 117 Resp: 340445

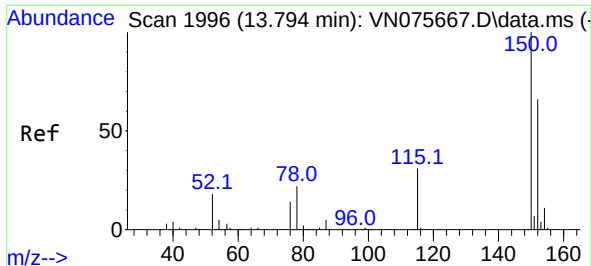
Ion Ratio Lower Upper

117 100

82 50.9 41.8 62.8

119 32.5 25.8 38.6

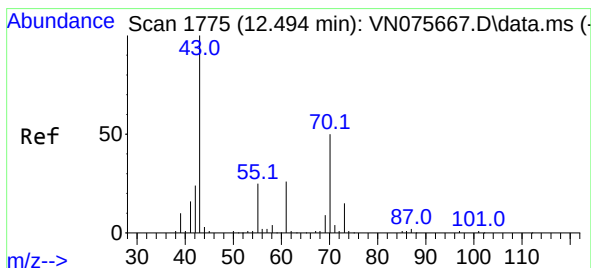
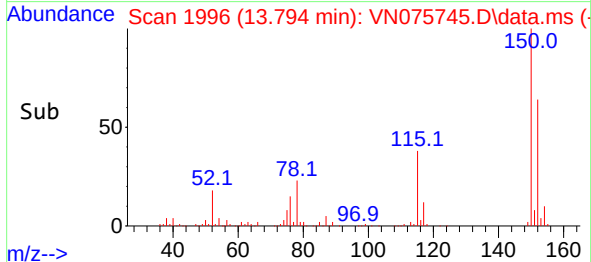
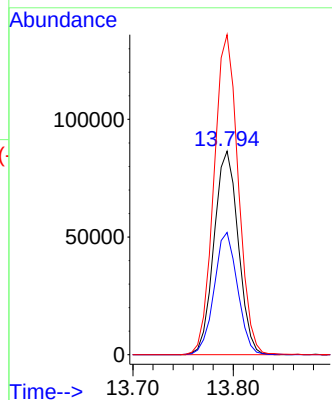
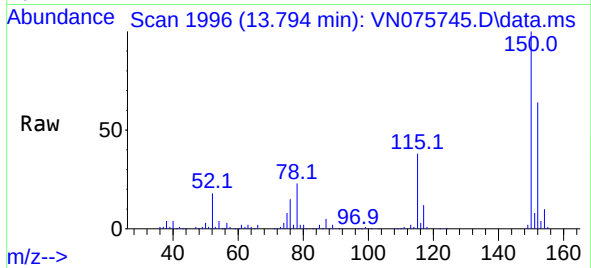




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

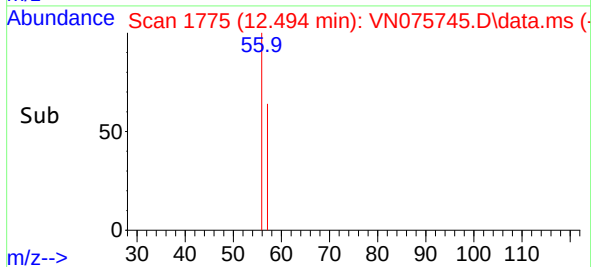
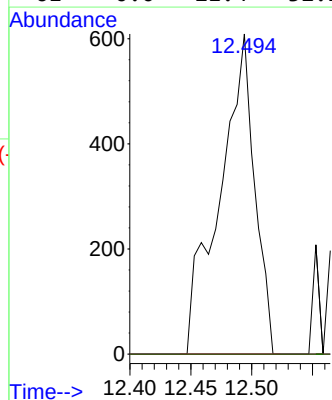
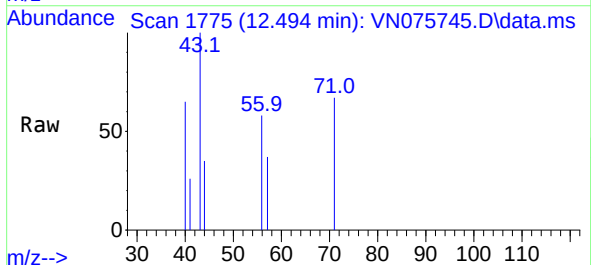
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-01

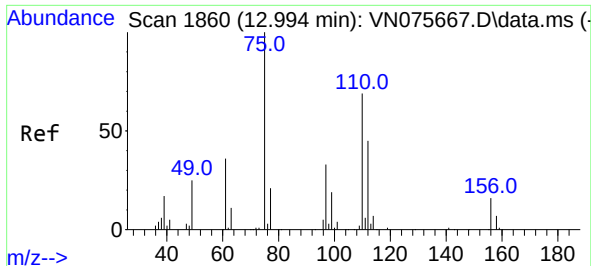
Tgt Ion:152 Resp: 144744
Ion Ratio Lower Upper
152 100
115 58.3 28.4 85.2
150 157.8 0.0 347.6



#74
N-ethyl acetate
Concen: 0.404 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

Tgt Ion: 43 Resp: 1221
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#

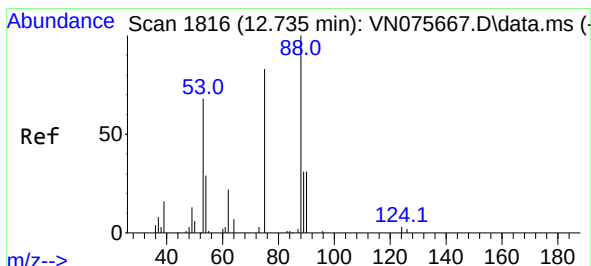
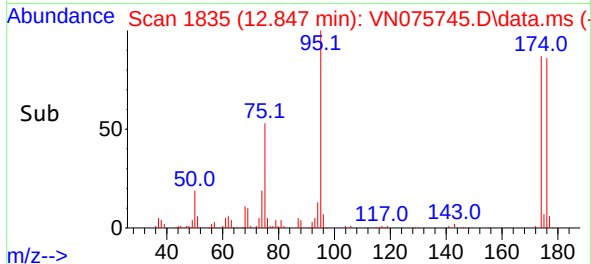
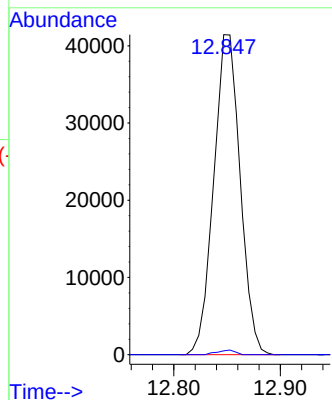
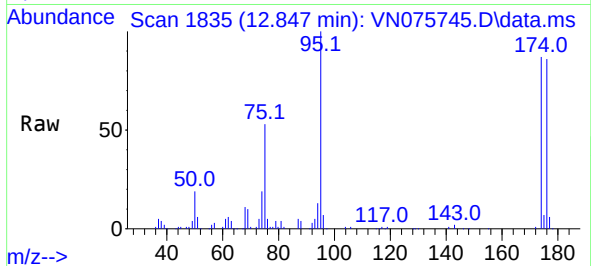




#76
1,2,3-Trichloropropane
Concen: 24.589 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-01

Tgt Ion: 75 Resp: 71477
Ion Ratio Lower Upper
75 100
77 1.0 81.8 245.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.497 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075745.D
Acq: 13 Dec 2022 06:52

Tgt Ion: 75 Resp: 71477
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#

