

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075746.D
 Acq On : 13 Dec 2022 07:16
 Operator : JC\MD
 Sample : N5964-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-518-COMP-02

Quant Time: Dec 13 08:33:22 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)

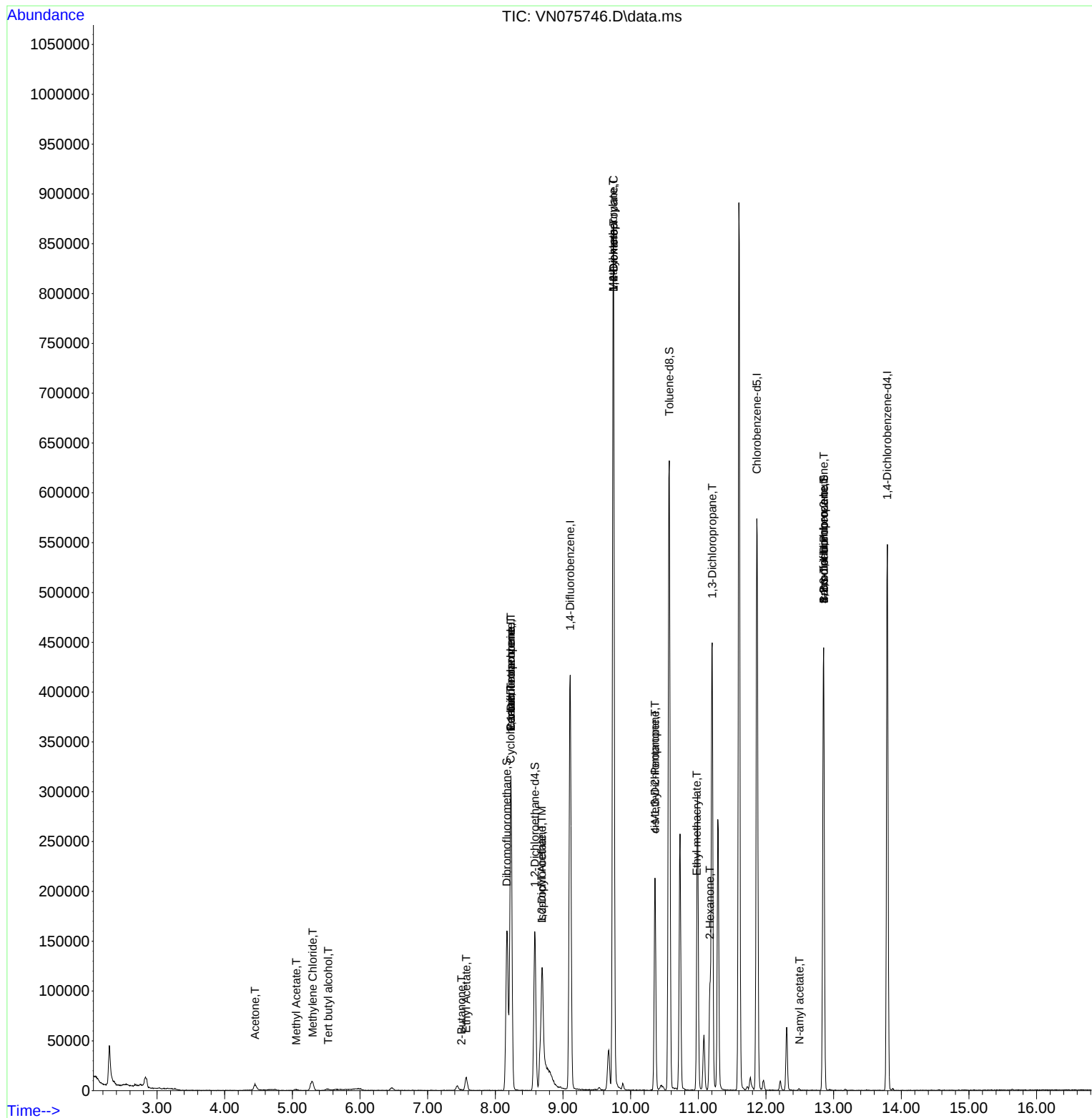
Internal Standards						
1) Pentafluorobenzene	8.230	168	246973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	395296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	358224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	154585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	127863	48.794	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.580%		
35) Dibromofluoromethane	8.171	113	116500	48.305	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.600%		
50) Toluene-d8	10.571	98	463115	51.132	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.260%		
62) 4-Bromofluorobenzene	12.853	95	148942	48.097	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.200%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.530	59	354	0.913	ug/l #	72
16) Acetone	4.447	43	11439	12.890	ug/l	96
18) Methyl Acetate	5.059	43	2033	0.713	ug/l #	81
20) Methylene Chloride	5.300	84	8751	3.308	ug/l #	71
25) 2-Butanone	7.500	43	1178	0.908	ug/l	94
31) Cyclohexane	8.224	56	4752	1.225	ug/l #	25
36) 1,1-Dichloropropene	8.230	75	17179	5.364	ug/l #	48
37) Ethyl Acetate	7.571	43	19071	7.417	ug/l #	94
38) Carbon Tetrachloride	8.230	117	23533	6.368	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	751	0.228	ug/l #	71
43) Isopropyl Acetate	8.688	43	171511	39.956	ug/l #	73
45) 1,2-Dichloropropane	9.747	63	1026	0.439	ug/l #	43
48) Methyl methacrylate	9.741	41	77777	39.341	ug/l #	33
49) 1,4-Dioxane	9.747	88	54	1.124	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	72621	27.437	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	42239	11.172	ug/l #	64
56) Ethyl methacrylate	10.976	69	1064	0.307	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5050	1.223	ug/l #	41
59) 2-Hexanone	11.171	43	79397	41.289	ug/l #	20
71) Bromoform	12.853	173	1380	0.679	ug/l #	1
74) N-amyl acetate	12.494	43	859	0.266	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	76276	24.570	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	76276	78.437	ug/l #	13

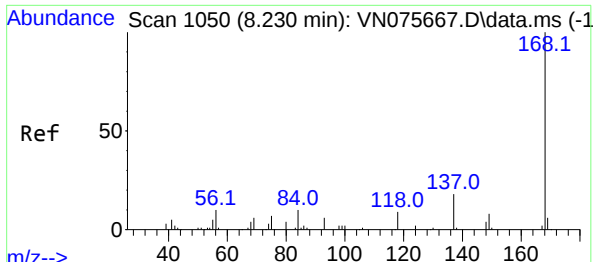
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
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Sample : N5964-04
Misc : 5.0mL/MSVOA_N/WATER
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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: 8.230 min Scan# 1050

Delta R.T. -0.000 min

Lab File: VN075746.D

Acq: 13 Dec 2022 07:16

Instrument :

MSVOA_N

ClientSampleId :

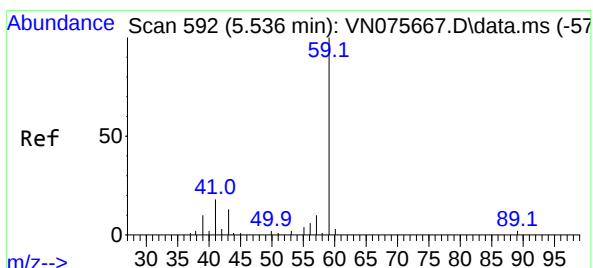
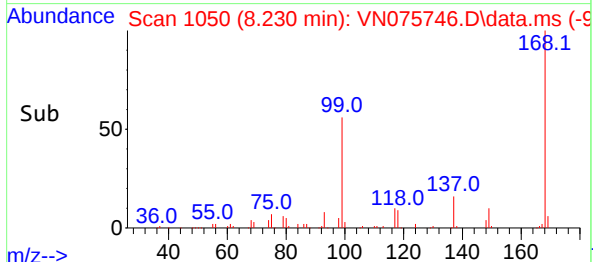
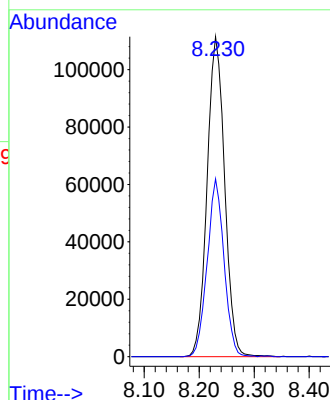
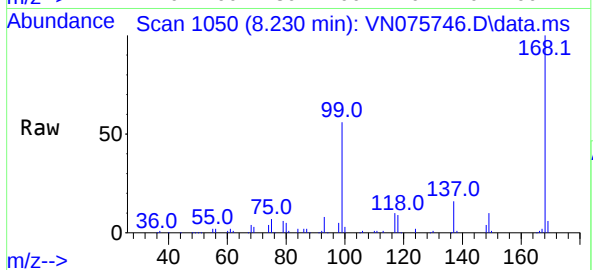
SU-518-COMP-02

Tgt Ion:168 Resp: 246973

Ion Ratio Lower Upper

168 100

99 55.6 41.2 61.8



#11

Tert butyl alcohol

Concen: 0.913 ug/l

RT: 5.530 min Scan# 591

Delta R.T. -0.006 min

Lab File: VN075746.D

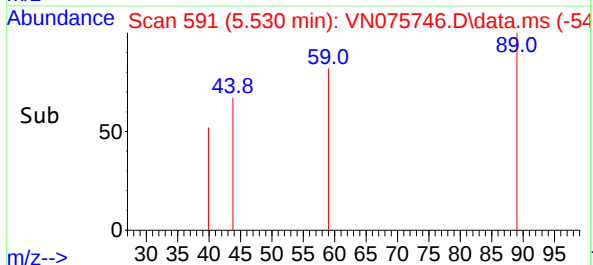
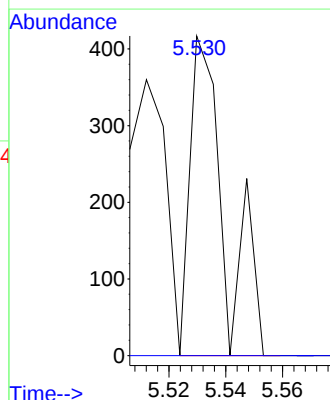
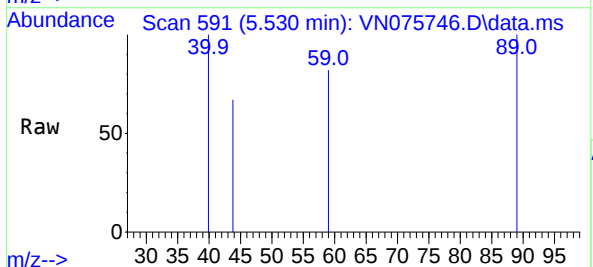
Acq: 13 Dec 2022 07:16

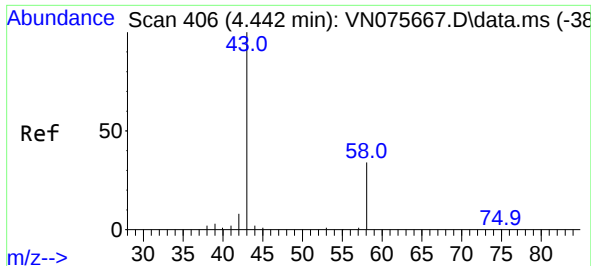
Tgt Ion: 59 Resp: 354

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

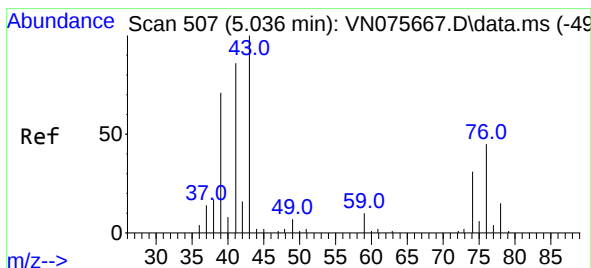
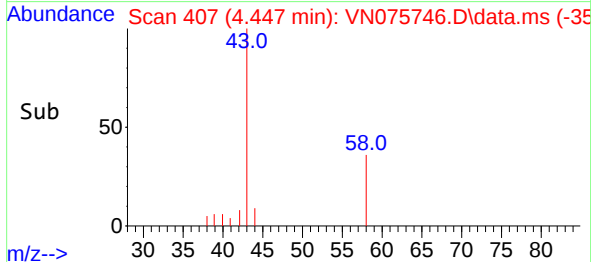
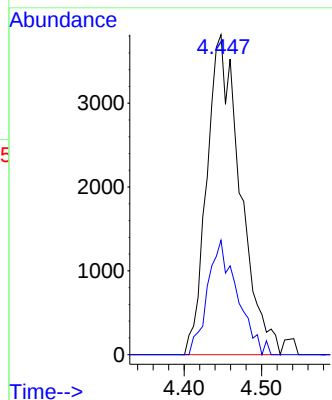
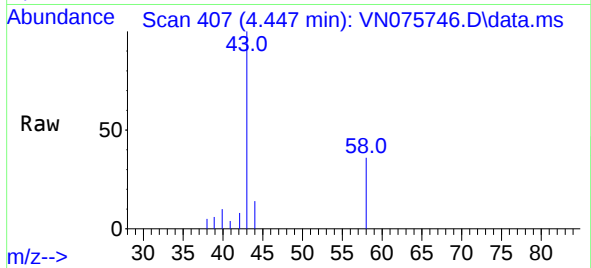




#16
Acetone
Concen: 12.890 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

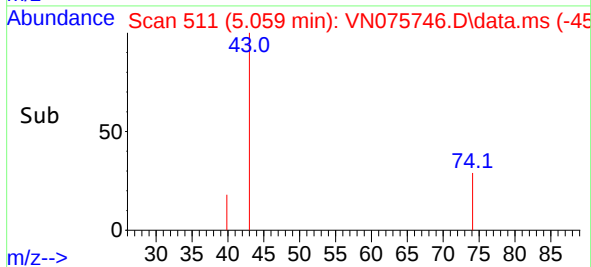
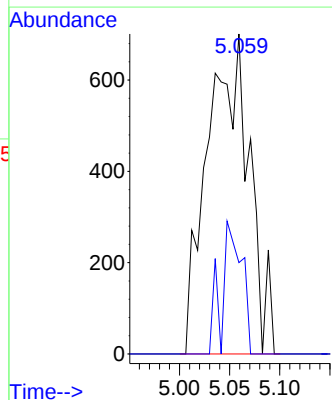
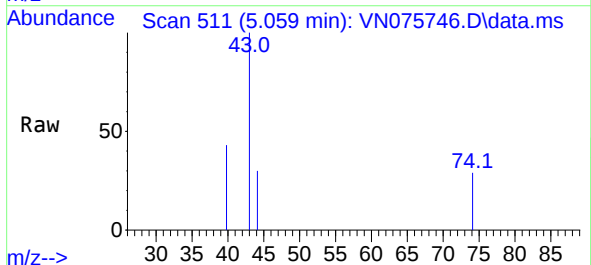
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-02

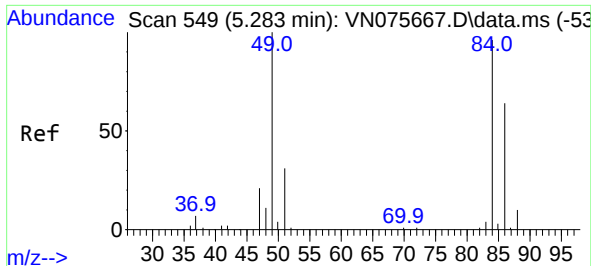
Tgt Ion: 43 Resp: 11439
Ion Ratio Lower Upper
43 100
58 35.7 27.0 40.4



#18
Methyl Acetate
Concen: 0.713 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.024 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

Tgt Ion: 43 Resp: 2033
Ion Ratio Lower Upper
43 100
74 20.1 24.5 36.7#

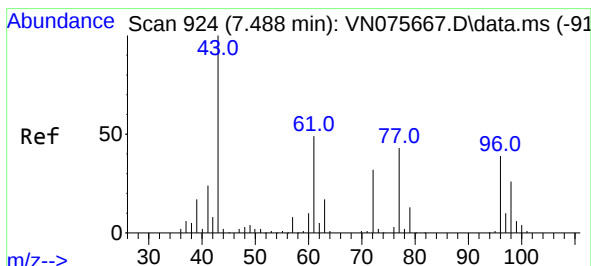
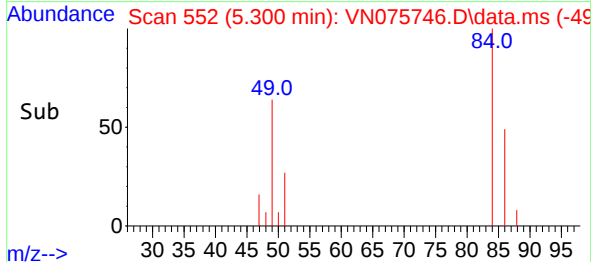
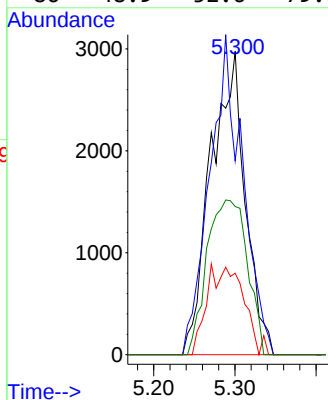
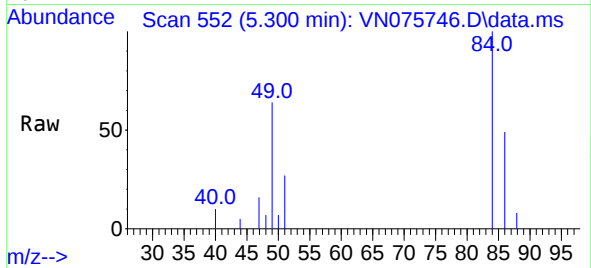




#20
Methylene Chloride
Concen: 3.308 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

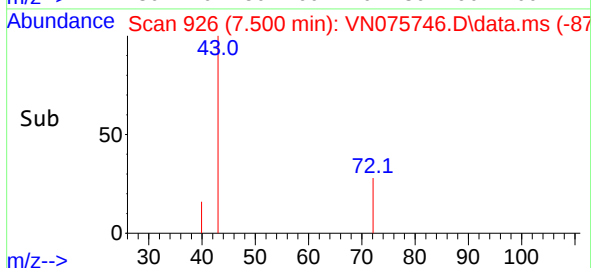
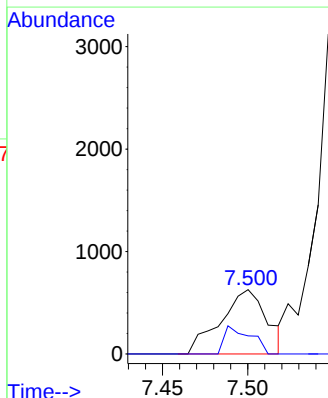
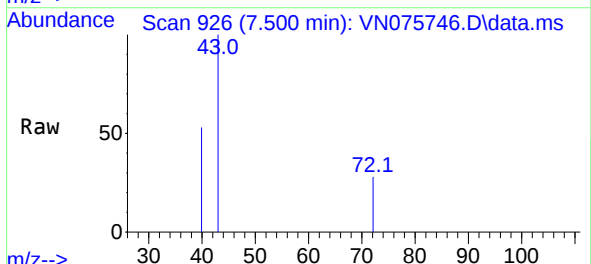
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-02

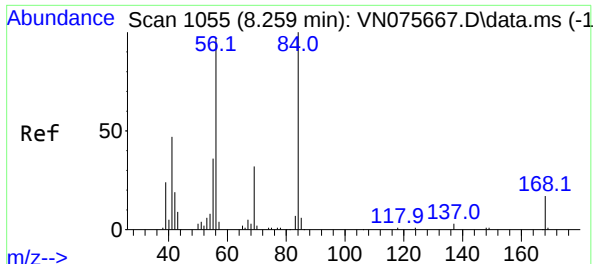
Tgt Ion: 84 Resp: 8751
Ion Ratio Lower Upper
84 100
49 63.9 83.0 124.4#
51 26.9 26.0 39.0
86 48.9 52.6 79.0#



#25
2-Butanone
Concen: 0.908 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

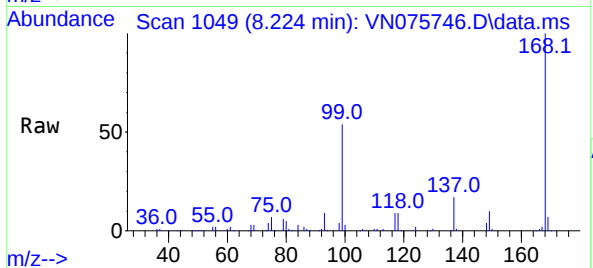
Tgt Ion: 43 Resp: 1178
Ion Ratio Lower Upper
43 100
72 28.1 25.3 37.9



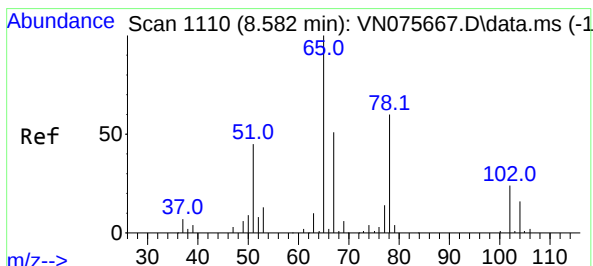
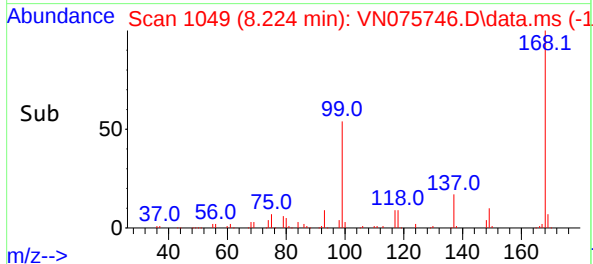
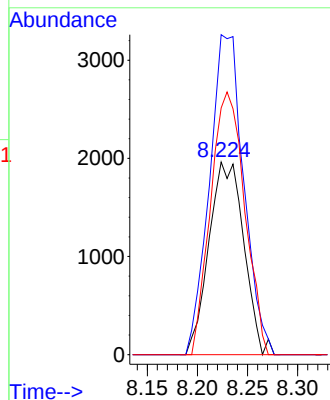


#31
Cyclohexane
Concen: 1.225 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-02

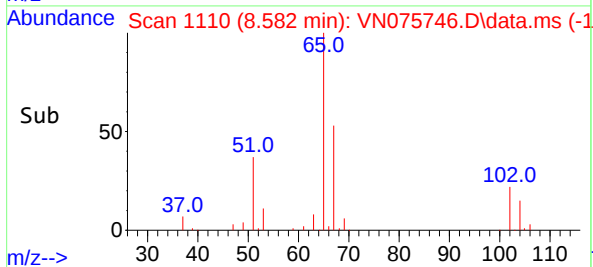
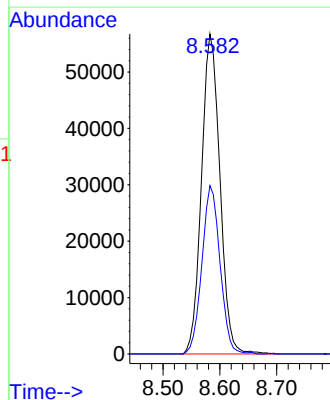
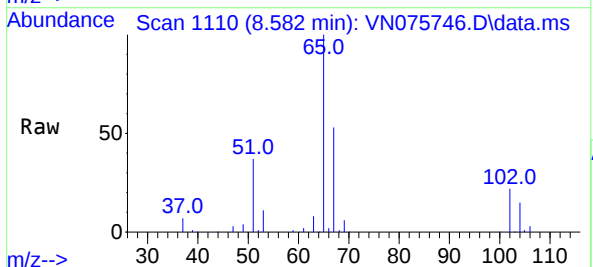


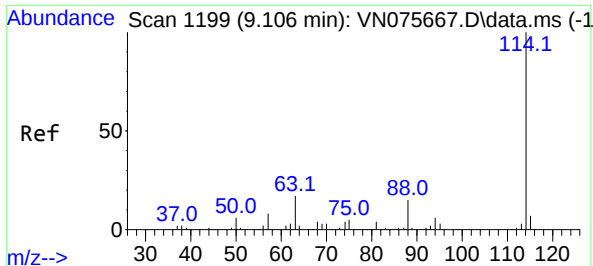
Tgt Ion: 56 Resp: 4752
Ion Ratio Lower Upper
56 100
69 166.2 26.2 39.2#
84 128.1 82.8 124.2#



#33
1,2-Dichloroethane-d4
Concen: 48.794 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

Tgt Ion: 65 Resp: 127863
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.2

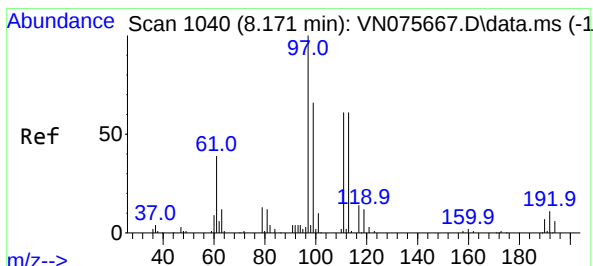
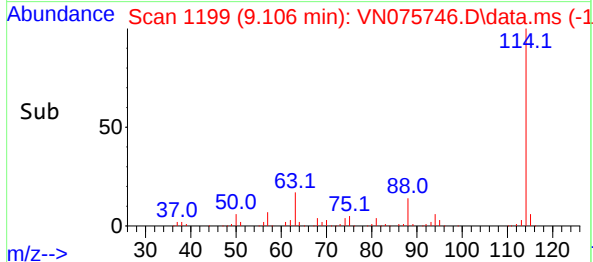
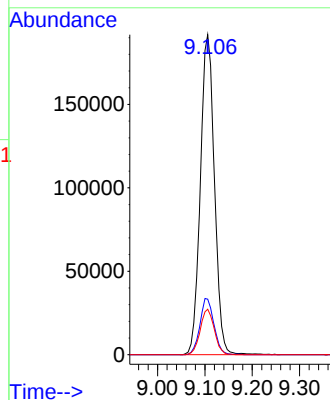
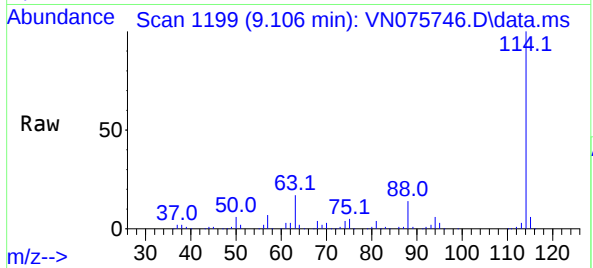




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

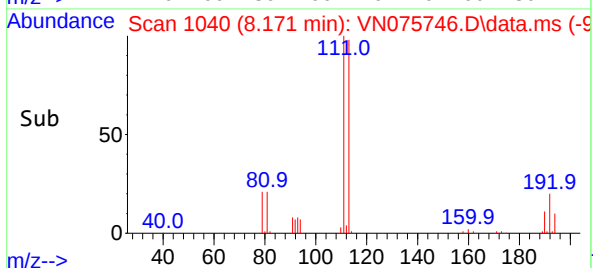
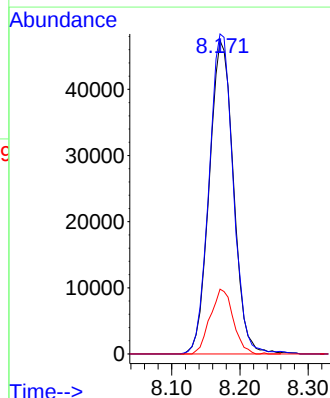
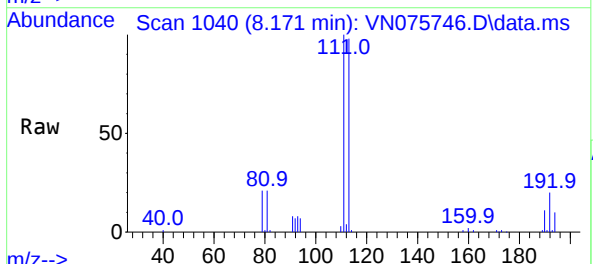
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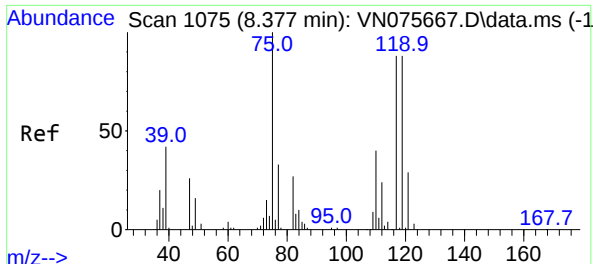
Tgt Ion:114 Resp: 395296
Ion Ratio Lower Upper
114 100
63 17.4 0.0 34.4
88 14.2 0.0 29.2



#35
Dibromofluoromethane
Concen: 48.305 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

Tgt Ion:113 Resp: 116500
Ion Ratio Lower Upper
113 100
111 101.8 81.0 121.6
192 19.7 16.2 24.2

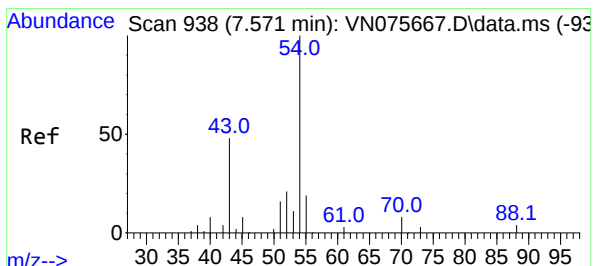
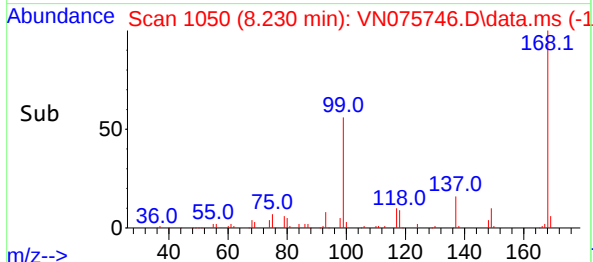
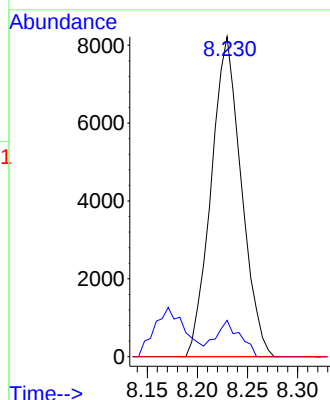
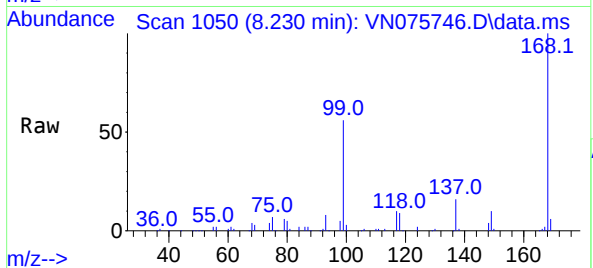




#36
1,1-Dichloropropene
Concen: 5.364 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

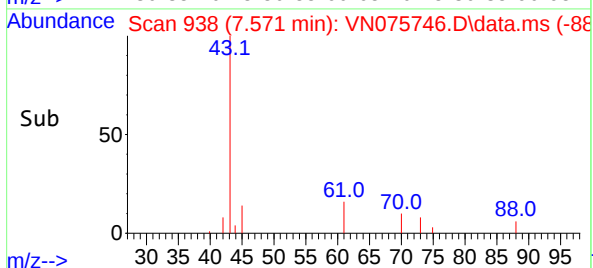
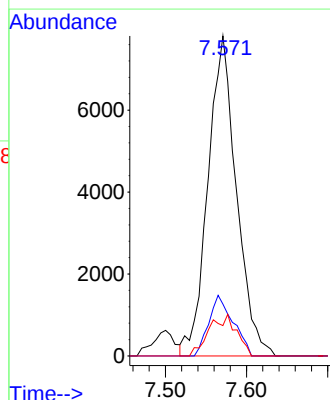
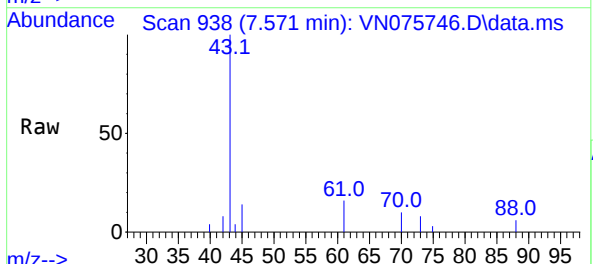
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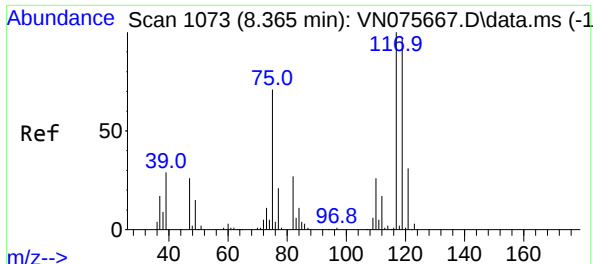
Tgt Ion: 75 Resp: 17179
Ion Ratio Lower Upper
75 100
110 9.2 18.9 56.9#
77 0.0 25.4 38.2#



#37
Ethyl Acetate
Concen: 7.417 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

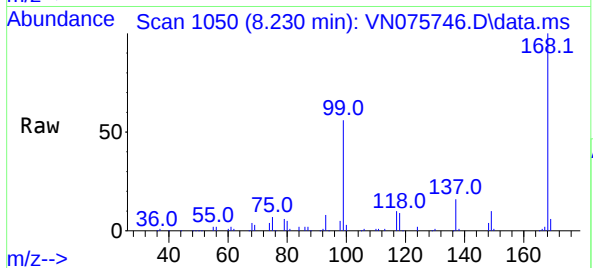
Tgt Ion: 43 Resp: 19071
Ion Ratio Lower Upper
43 100
61 16.2 13.3 19.9
70 7.1 9.9 14.9#



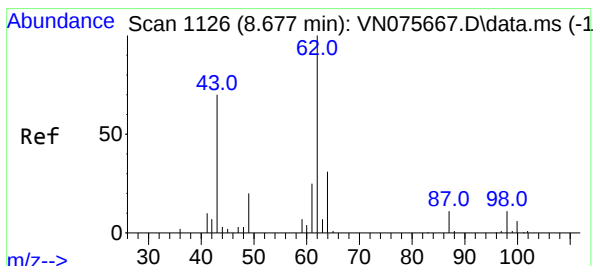
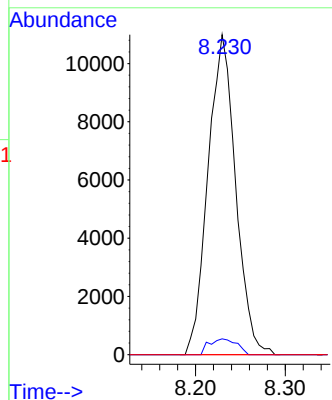
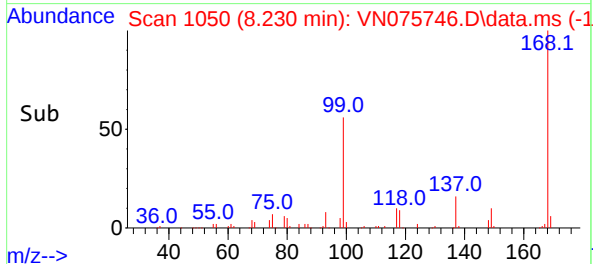


#38
Carbon Tetrachloride
Concen: 6.368 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.135 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-02

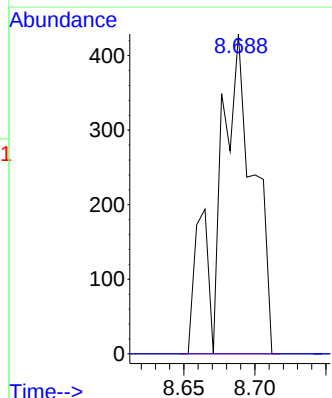
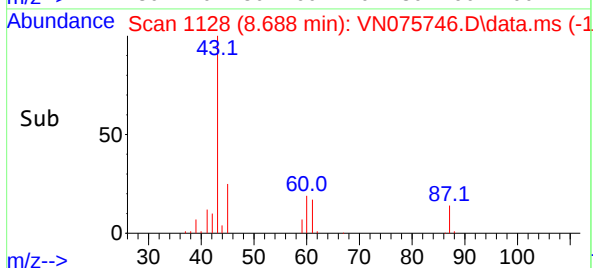
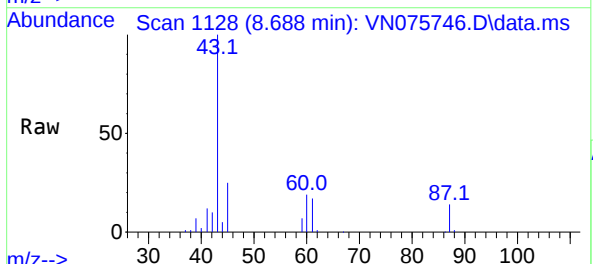


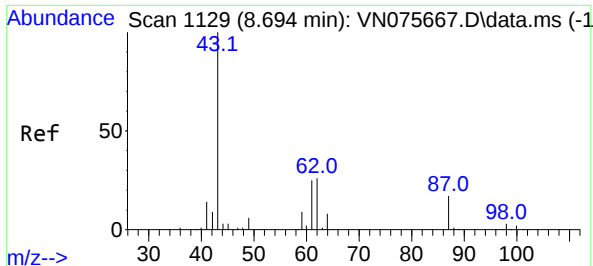
Tgt Ion:117 Resp: 23533
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.228 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

Tgt Ion: 62 Resp: 751
Ion Ratio Lower Upper
62 100
98 0.0 0.0 21.8

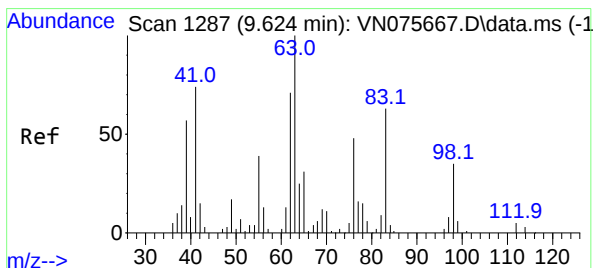
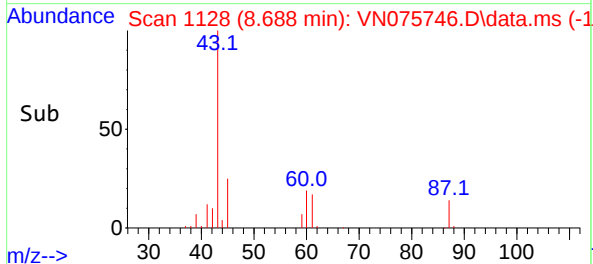
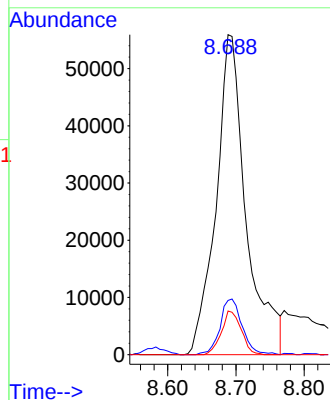
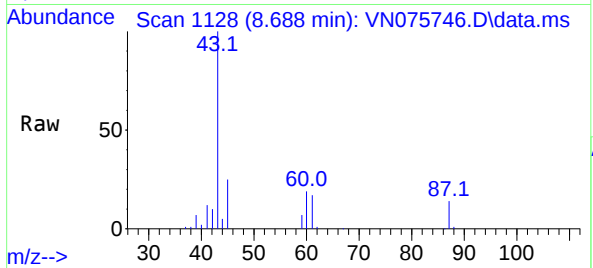




#43
Isopropyl Acetate
Concen: 39.956 ug/l
RT: 8.688 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

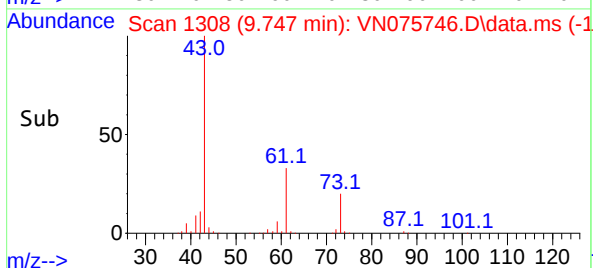
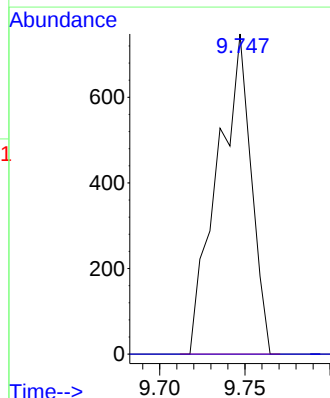
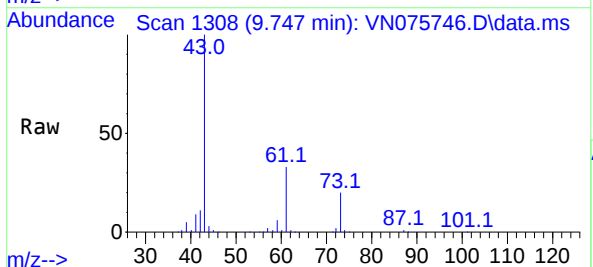
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-02

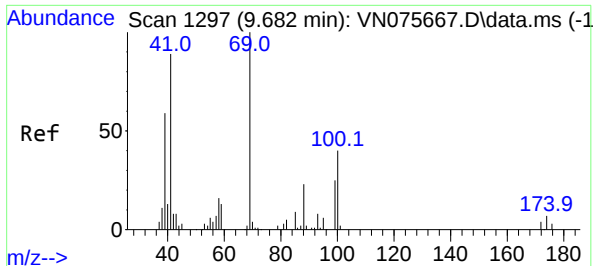
Tgt Ion: 43 Resp: 171511
Ion Ratio Lower Upper
43 100
61 12.8 23.8 35.8#
87 9.0 13.7 20.5#



#45
1,2-Dichloropropane
Concen: 0.439 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.124 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

Tgt Ion: 63 Resp: 1026
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#

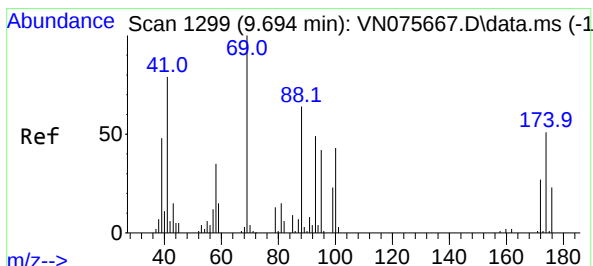
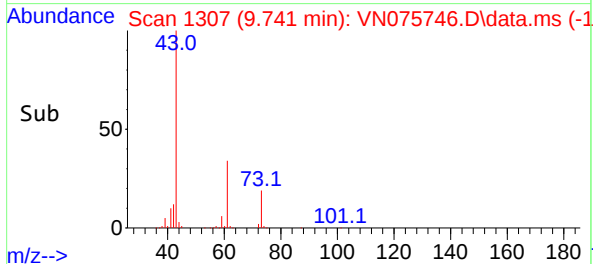
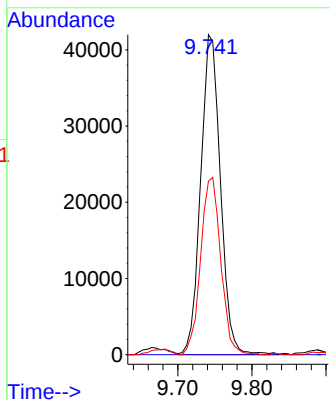
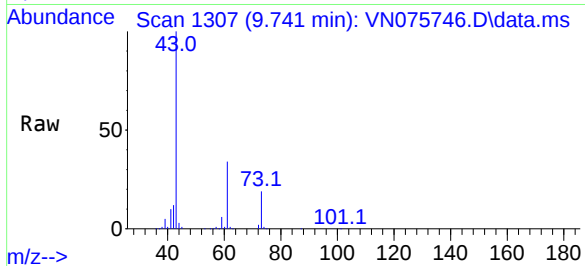




#48
Methyl methacrylate
Concen: 39.341 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

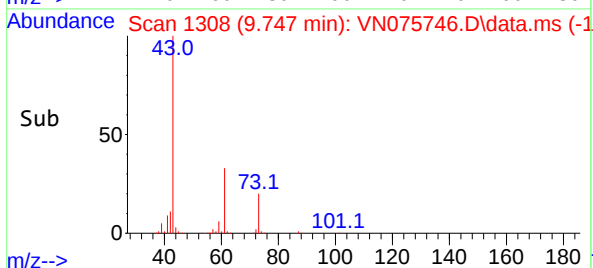
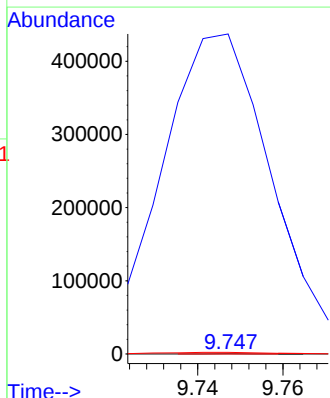
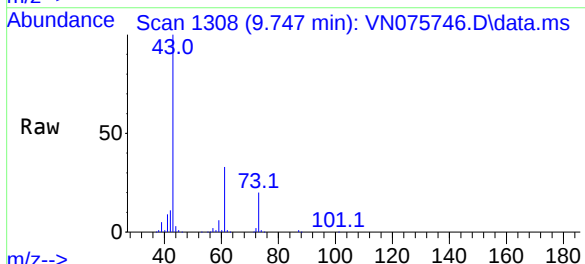
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-02

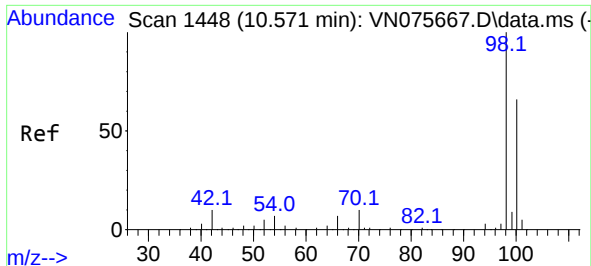
Tgt Ion: 41 Resp: 77777
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 56.4 53.2 79.8



#49
1,4-Dioxane
Concen: 1.124 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.053 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 1499392.6 17.4 26.0#
58 7414.8 46.8 70.2#

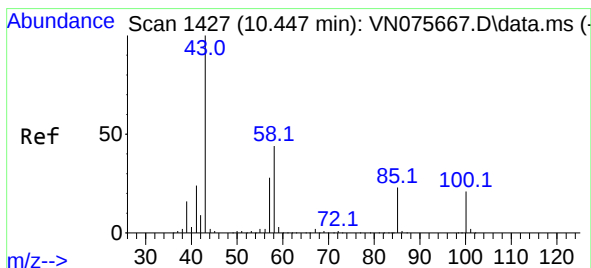
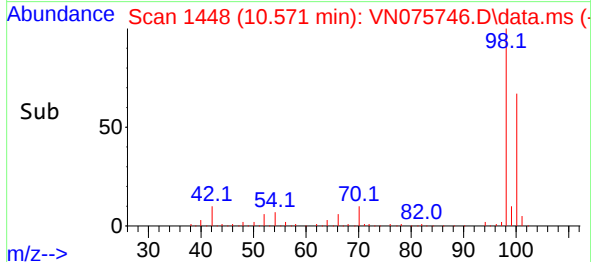
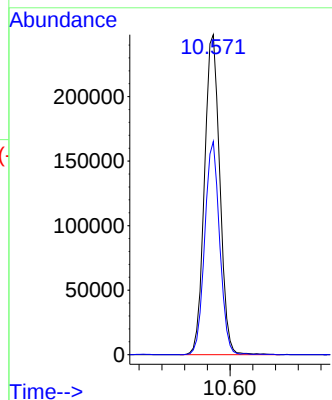
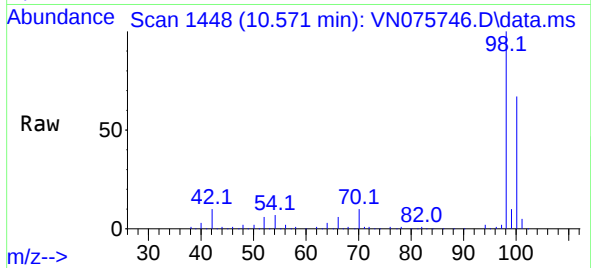




#50
Toluene-d8
Concen: 51.132 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

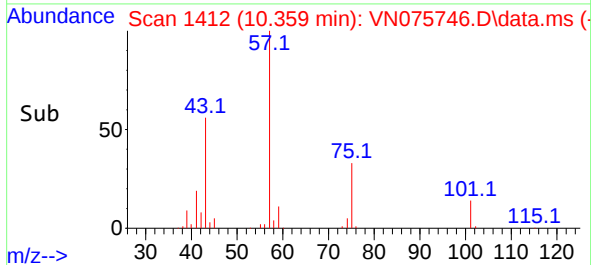
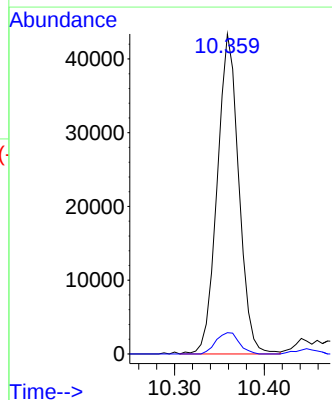
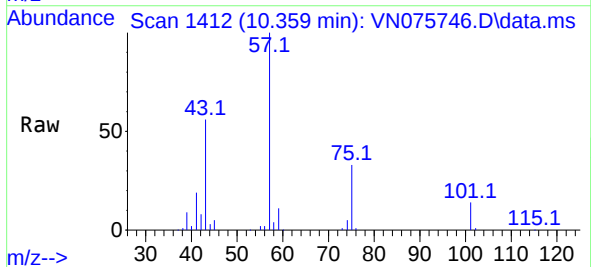
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-02

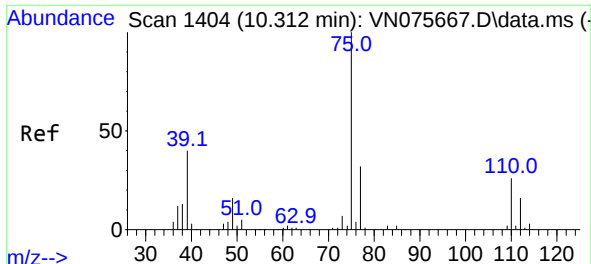
Tgt Ion: 98 Resp: 463115
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 27.437 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

Tgt Ion: 43 Resp: 72621
Ion Ratio Lower Upper
43 100
58 7.1 35.0 52.6#

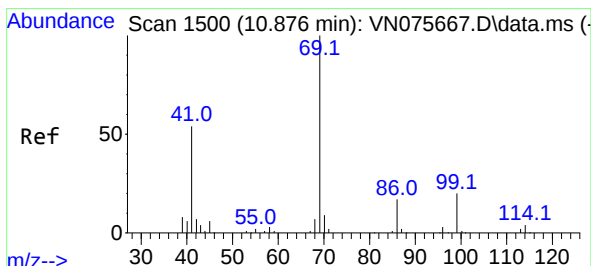
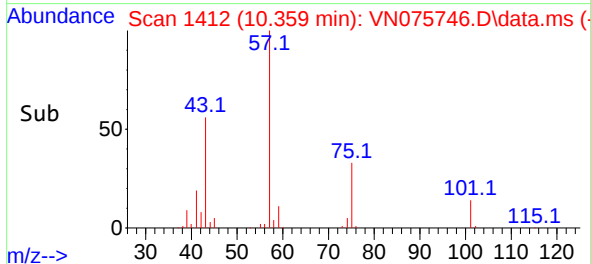
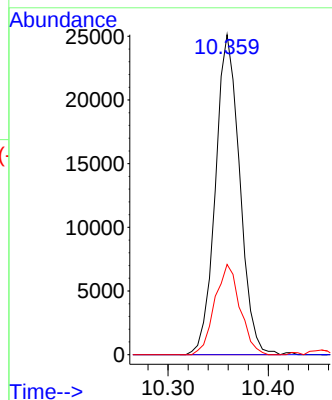
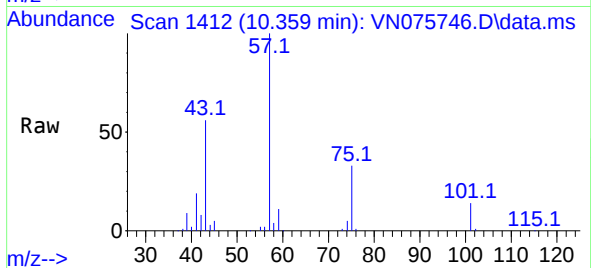




#54
cis-1,3-Dichloropropene
Concen: 11.172 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

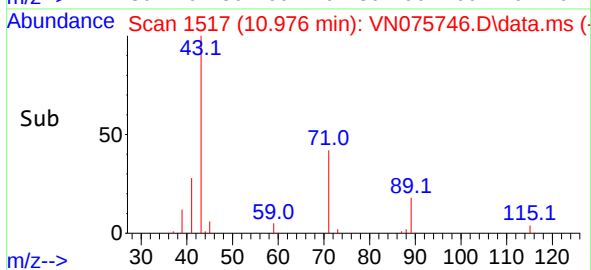
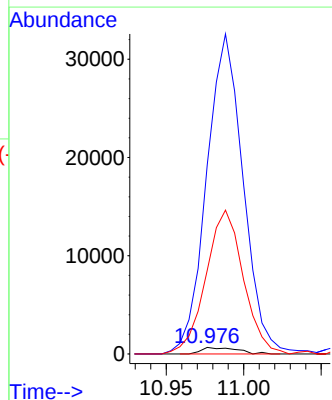
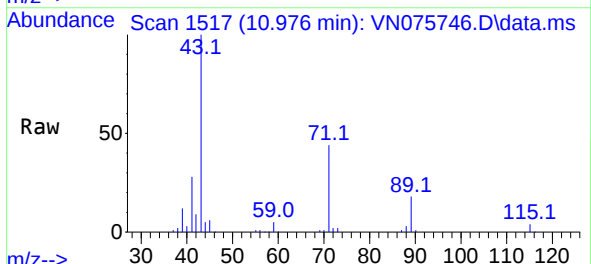
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-02

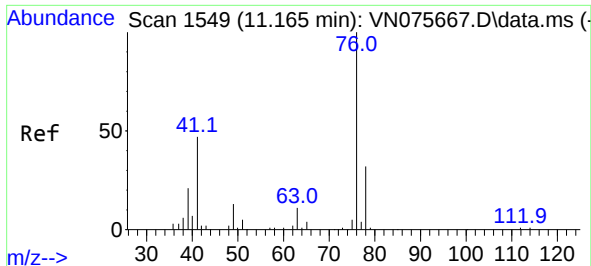
Tgt Ion: 75 Resp: 42239
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 28.2 32.0 48.0#



#56
Ethyl methacrylate
Concen: 0.307 ug/l
RT: 10.976 min Scan# 1517
Delta R.T. 0.100 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

Tgt Ion: 69 Resp: 1064
Ion Ratio Lower Upper
69 100
41 5043.6 44.1 66.1#
39 2308.5 27.7 41.5#





#57

1,3-Dichloropropane

Concen: 1.223 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN075746.D

Acq: 13 Dec 2022 07:16

Instrument :

MSVOA_N

ClientSampleId :

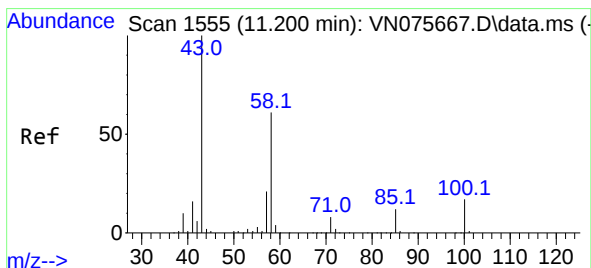
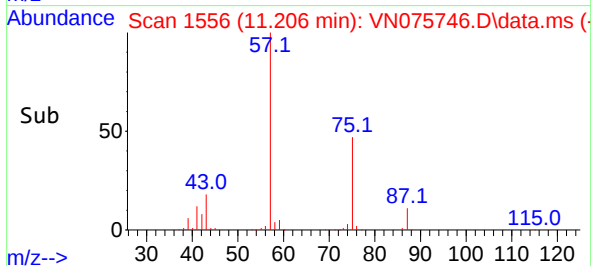
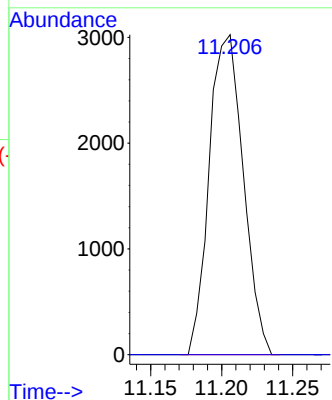
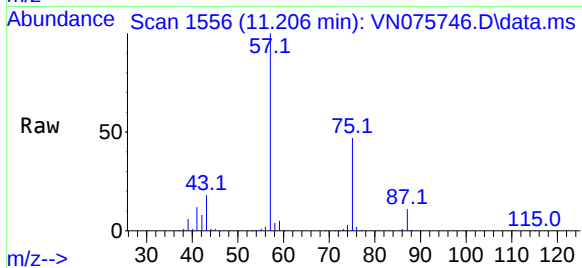
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Tgt Ion: 76 Resp: 5050

Ion Ratio Lower Upper

76 100

78 0.0 26.8 40.2#



#59

2-Hexanone

Concen: 41.289 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN075746.D

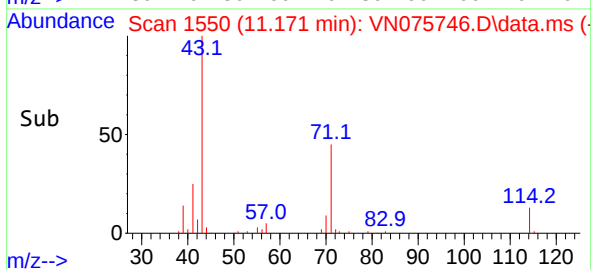
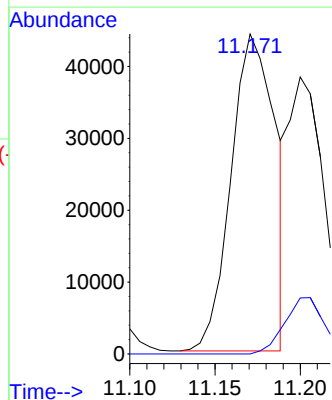
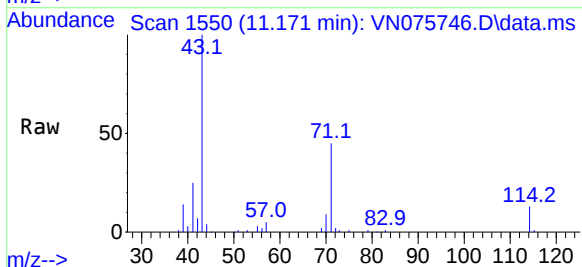
Acq: 13 Dec 2022 07:16

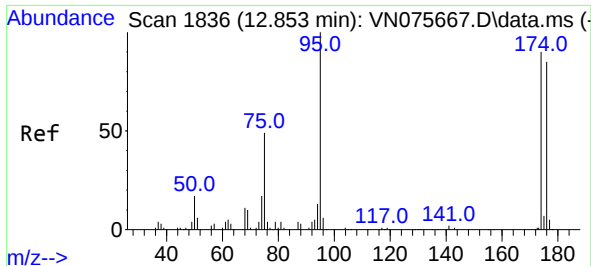
Tgt Ion: 43 Resp: 79397

Ion Ratio Lower Upper

43 100

58 0.0 30.9 92.5#

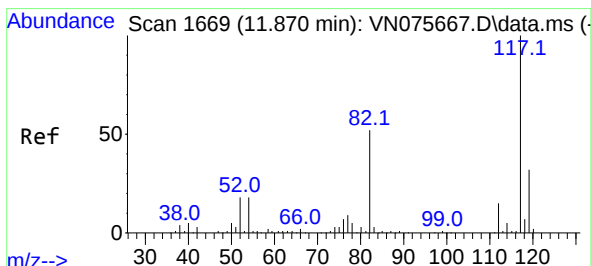
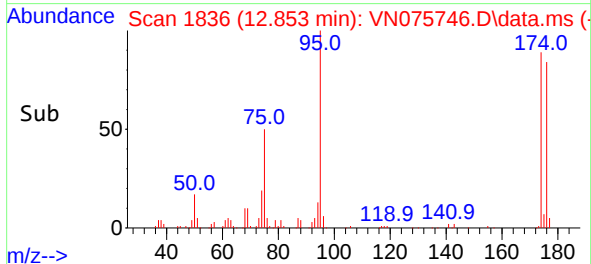
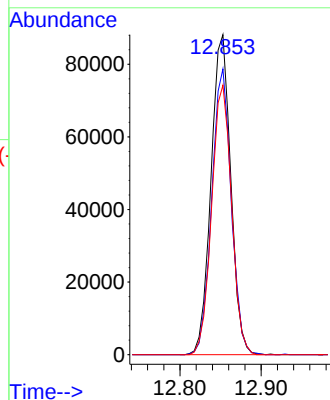
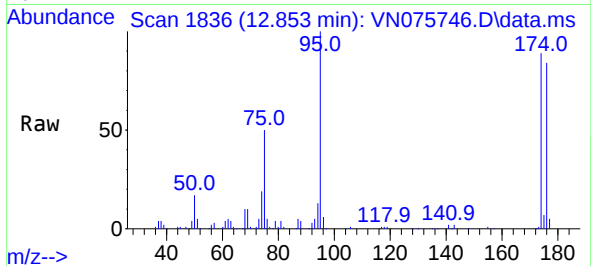




#62
4-Bromofluorobenzene
Concen: 48.097 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

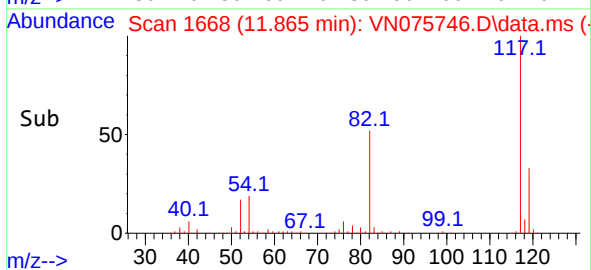
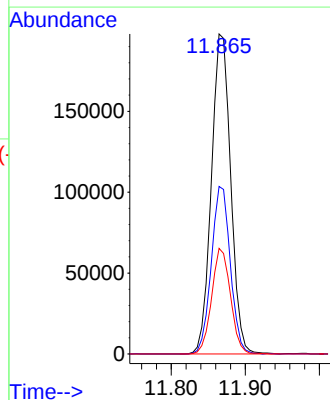
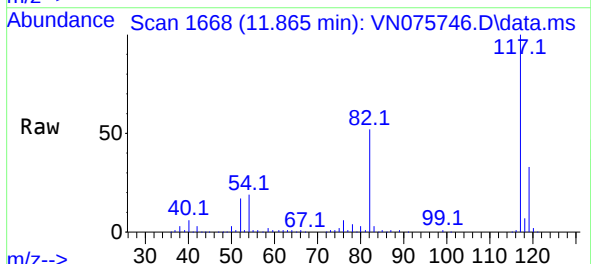
Instrument :
MSVOA_N
ClientSampleId :
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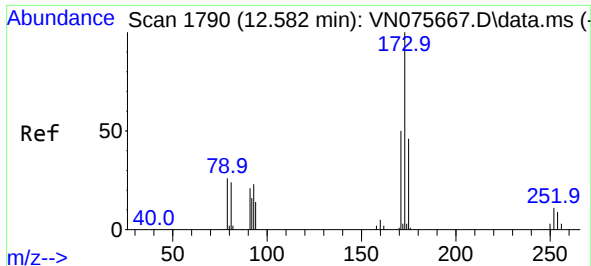
Tgt Ion: 95 Resp: 148942
Ion Ratio Lower Upper
95 100
174 88.0 0.0 178.6
176 84.7 0.0 170.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

Tgt Ion: 117 Resp: 358224
Ion Ratio Lower Upper
117 100
82 52.3 41.8 62.8
119 33.0 25.8 38.6

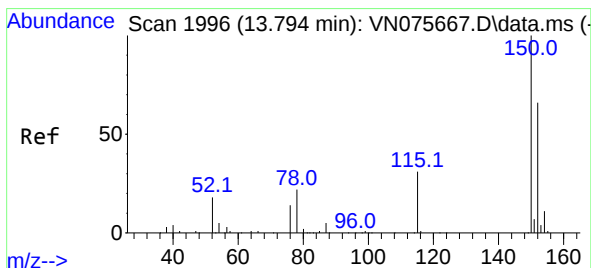
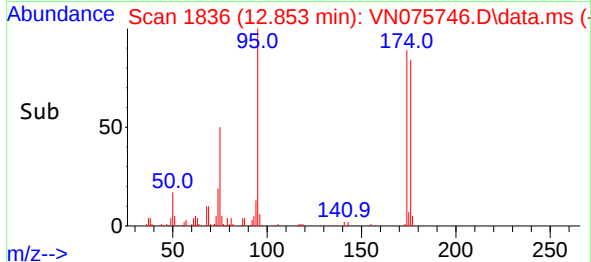
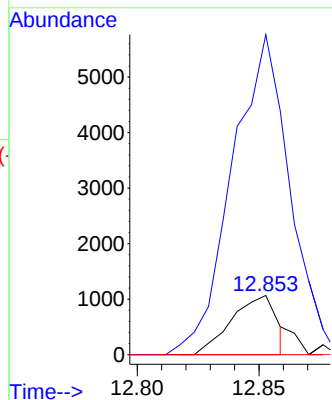
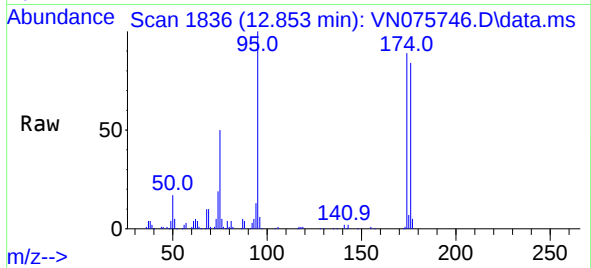




#71
Bromoform
Concen: 0.679 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

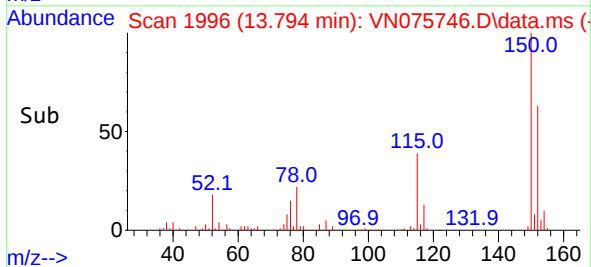
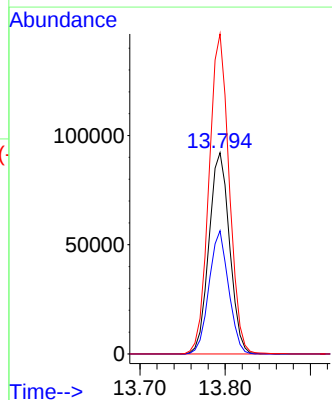
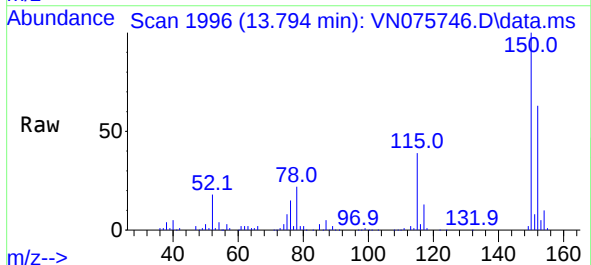
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-02

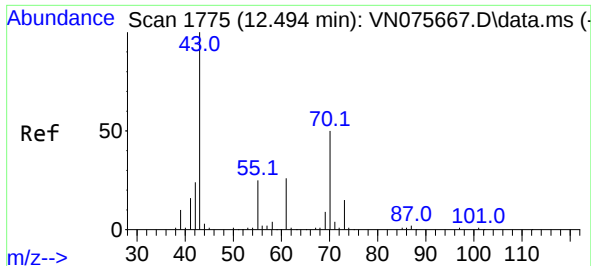
Tgt Ion:173 Resp: 1380
Ion Ratio Lower Upper
173 100
175 578.7 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

Tgt Ion:152 Resp: 154585
Ion Ratio Lower Upper
152 100
115 58.1 28.4 85.2
150 155.9 0.0 347.6

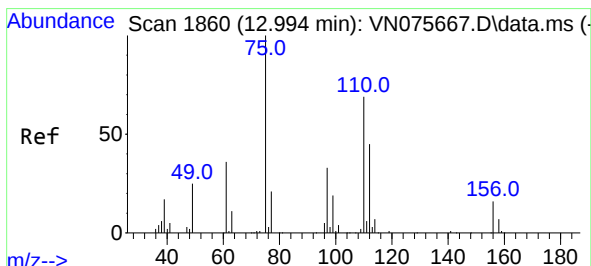
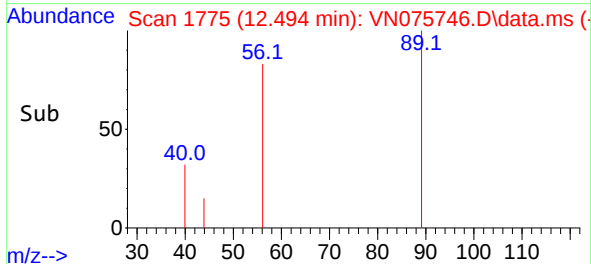
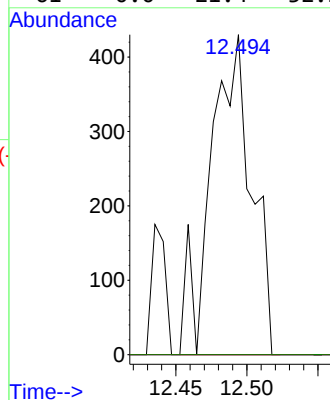
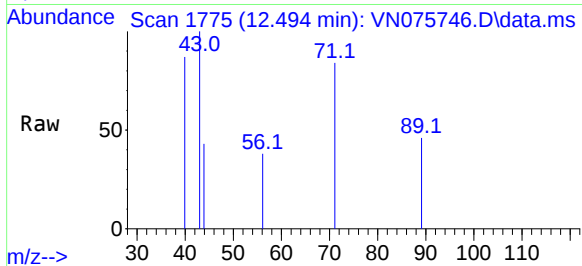




#74
N-amy1 acetate
Concen: 0.266 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

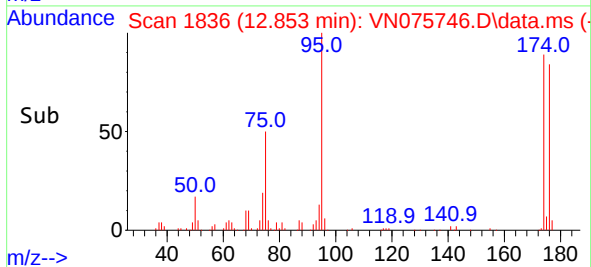
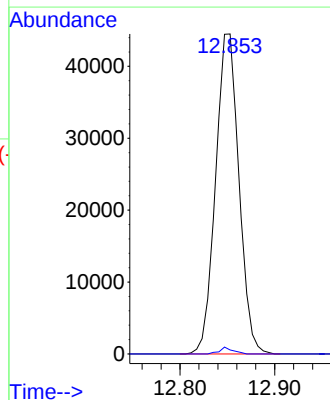
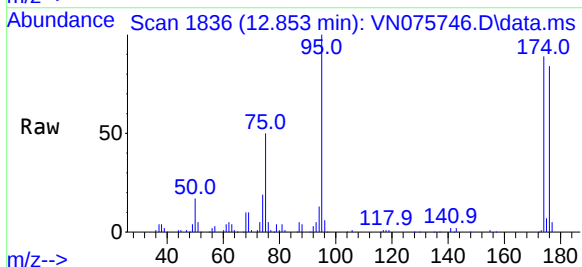
Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-02

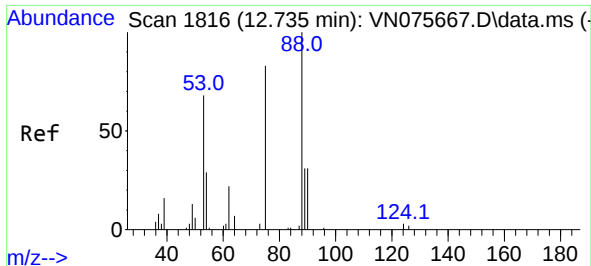
Tgt Ion: 43	Resp:	859
Ion	Ratio	Lower Upper
43	100	
70	0.0	41.0 61.6#
55	0.0	20.7 31.1#
61	0.0	21.4 32.2#



#76
1,2,3-Trichloropropane
Concen: 24.570 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

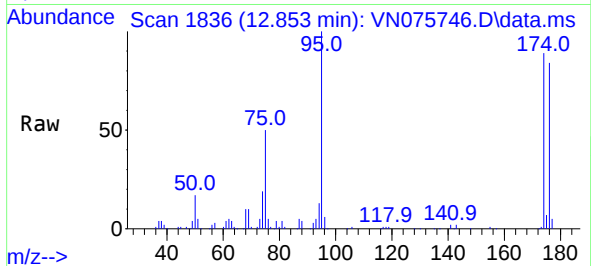
Tgt Ion: 75	Resp:	76276
Ion	Ratio	Lower Upper
75	100	
77	1.2	81.8 245.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 78.437 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN075746.D
Acq: 13 Dec 2022 07:16

Instrument :
MSVOA_N
ClientSampleId :
SU-518-COMP-02



Tgt Ion: 75 Resp: 76276
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#

