

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075744.D
 Acq On : 13 Dec 2022 06:28
 Operator : JC\MD
 Sample : PB149517ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149517ZHE#07

Quant Time: Dec 13 08:32:59 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)

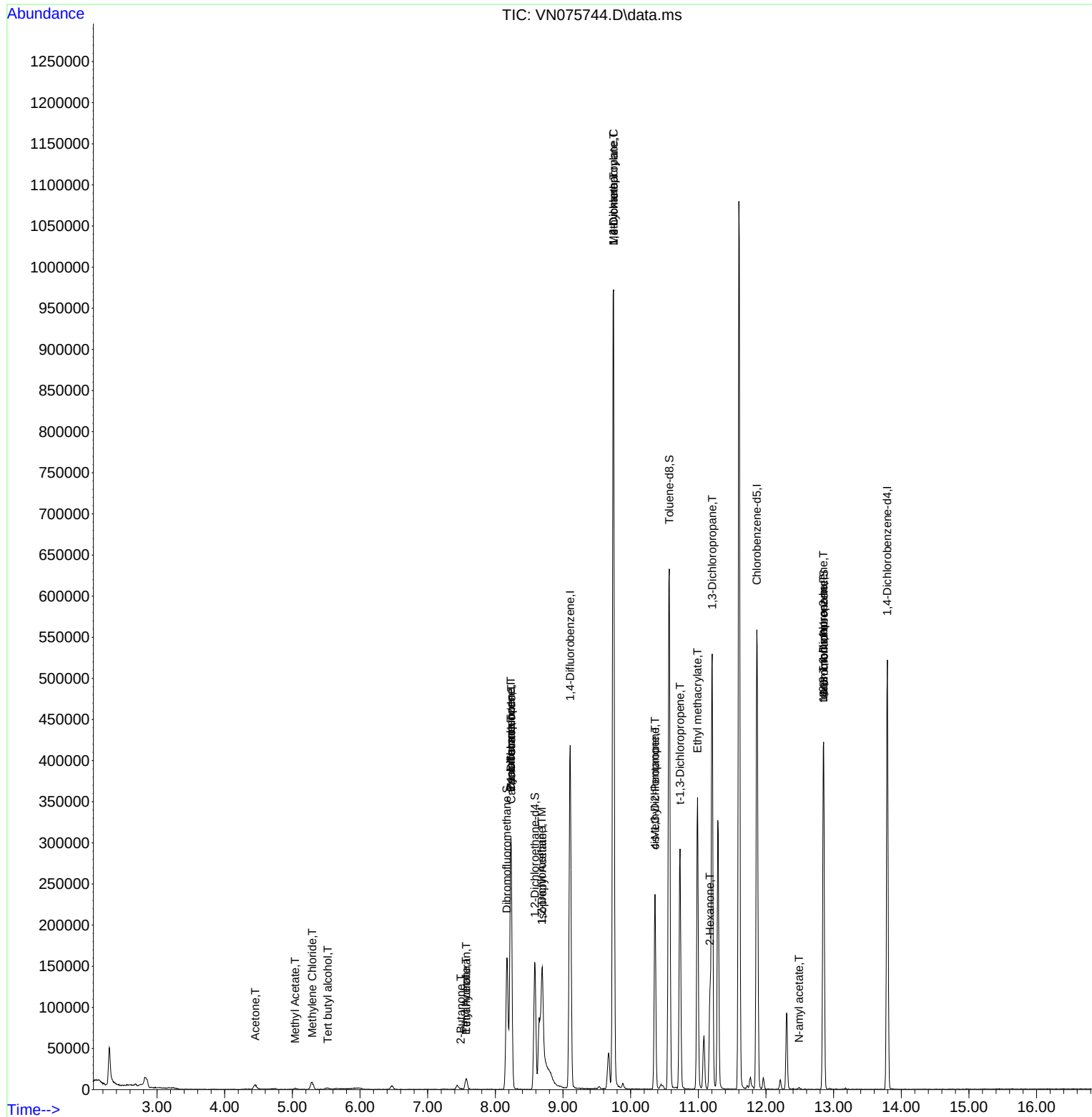
Internal Standards						
1) Pentafluorobenzene	8.230	168	243455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	389399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	148404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	123943	47.982	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.960%		
35) Dibromofluoromethane	8.171	113	113532	47.787	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.580%		
50) Toluene-d8	10.571	98	454670	50.960	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.920%		
62) 4-Bromofluorobenzene	12.853	95	143067	46.899	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.800%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	1539	4.027	ug/l #	72
16) Acetone	4.453	43	11488	13.132	ug/l	96
18) Methyl Acetate	5.042	43	1620	0.576	ug/l #	71
20) Methylene Chloride	5.295	84	7695	2.951	ug/l	95
25) 2-Butanone	7.489	43	1164	0.910	ug/l	99
29) Tetrahydrofuran	7.571	42	991	1.257	ug/l #	25
31) Cyclohexane	8.230	56	4276	1.118	ug/l #	13
36) 1,1-Dichloropropene	8.230	75	16954	5.374	ug/l #	47
37) Ethyl Acetate	7.565	43	19556	7.721	ug/l	96
38) Carbon Tetrachloride	8.236	117	23833	6.547	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	927	0.286	ug/l #	71
43) Isopropyl Acetate	8.694	43	293699	69.458	ug/l #	66
45) 1,2-Dichloropropane	9.747	63	1285	0.558	ug/l #	43
48) Methyl methacrylate	9.747	41	87552	44.956	ug/l #	33
49) 1,4-Dioxane	9.747	88	118	2.493	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	80795	30.987	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	817	0.244	ug/l #	44
54) cis-1,3-Dichloropropene	10.359	75	46923	12.599	ug/l #	64
56) Ethyl methacrylate	10.988	69	1111	0.326	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5625	1.383	ug/l #	41
59) 2-Hexanone	11.171	43	89760	47.385	ug/l #	20
71) Bromoform	12.853	173	1245	0.630	ug/l #	1
74) N-amyl acetate	12.488	43	1286	0.415	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	73322	24.602	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73322	78.536	ug/l #	13

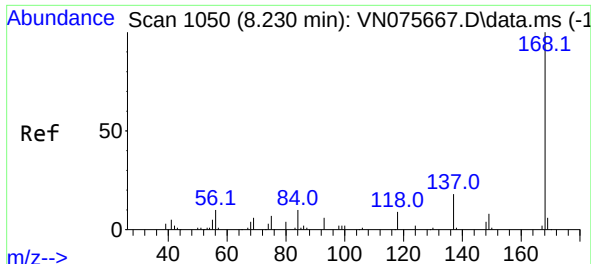
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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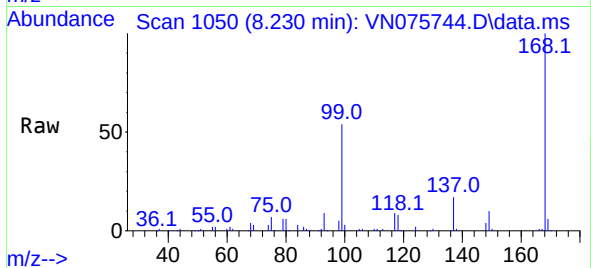
Quant Time: Dec 13 08:32:59 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 12 07:54:35 2022
Response via : Initial Calibration



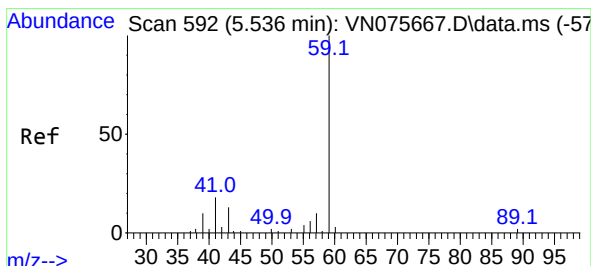
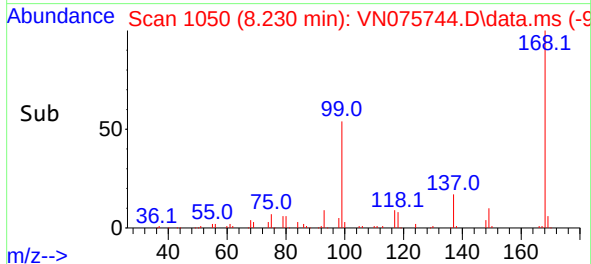
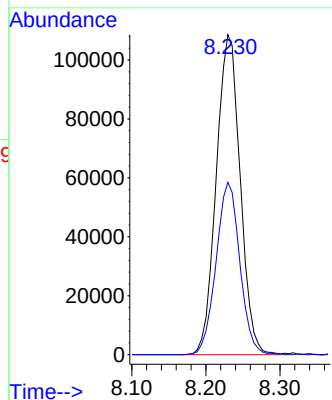


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#07

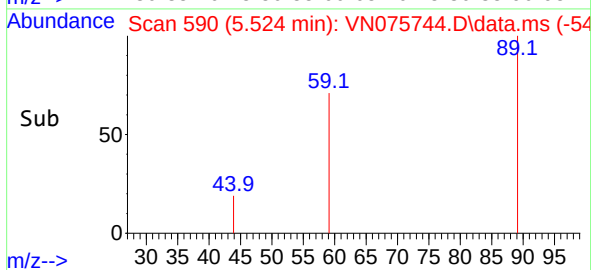
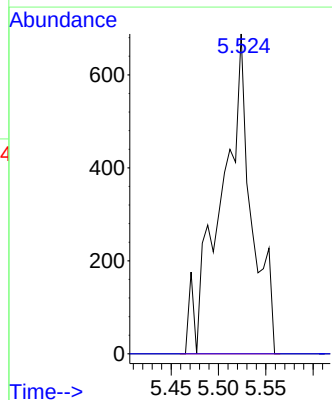
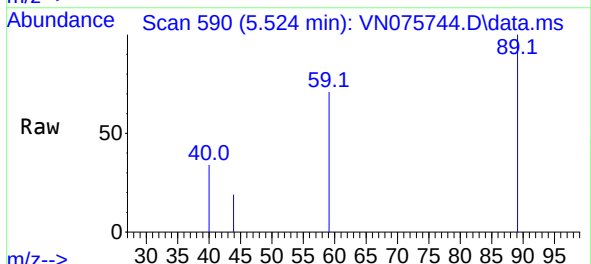


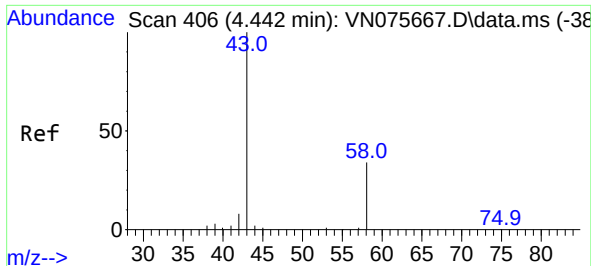
Tgt Ion:168 Resp: 243455
Ion Ratio Lower Upper
168 100
99 53.9 41.2 61.8



#11
Tert butyl alcohol
Concen: 4.027 ug/l
RT: 5.524 min Scan# 590
Delta R.T. -0.012 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Tgt Ion: 59 Resp: 1539
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

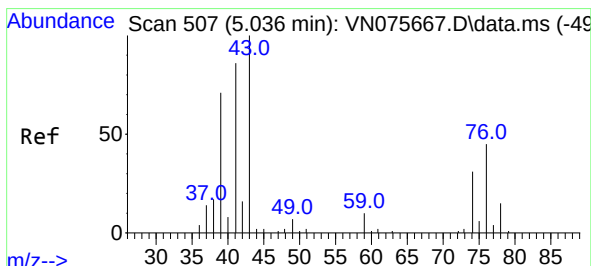
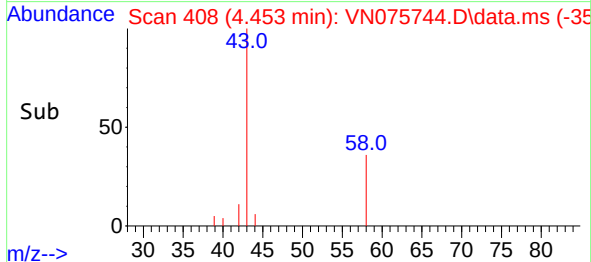
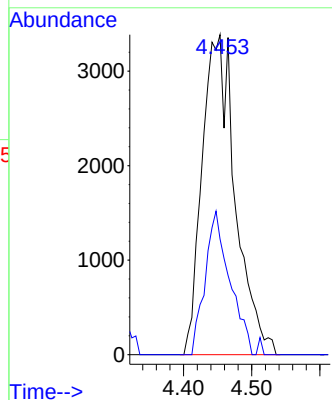
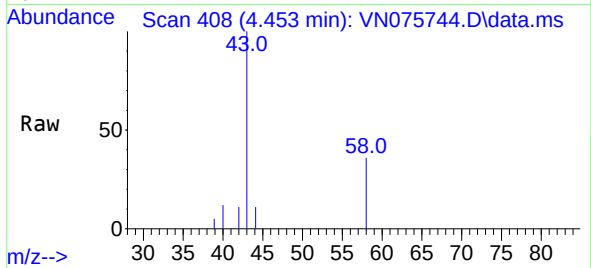




#16
Acetone
Concen: 13.132 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

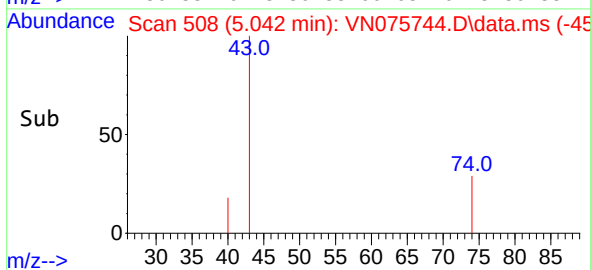
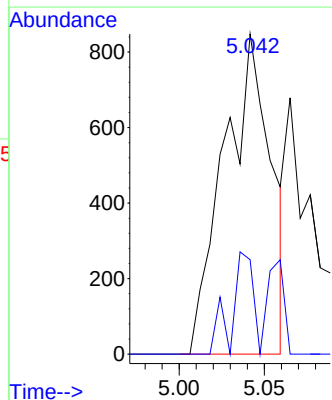
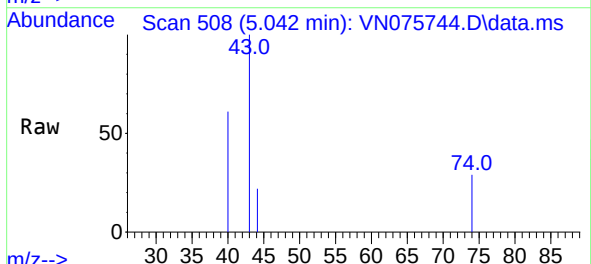
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#07

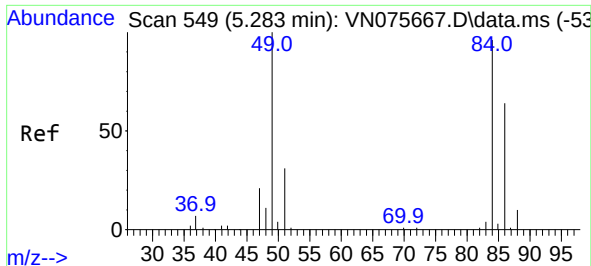
Tgt Ion: 43 Resp: 11488
Ion Ratio Lower Upper
43 100
58 36.1 27.0 40.4



#18
Methyl Acetate
Concen: 0.576 ug/l
RT: 5.042 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

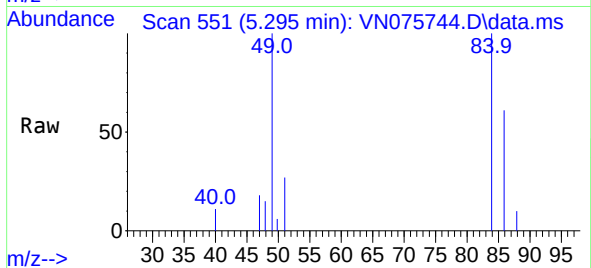
Tgt Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
74 14.6 24.5 36.7#





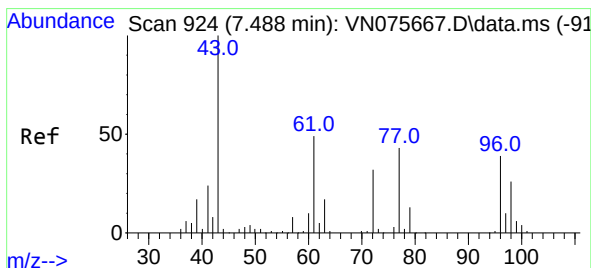
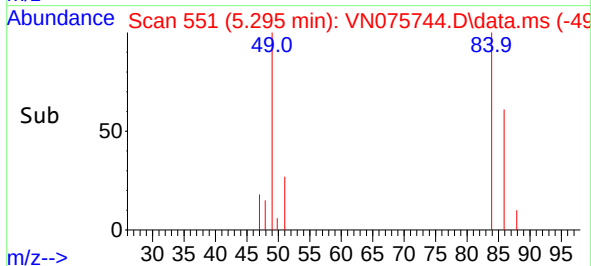
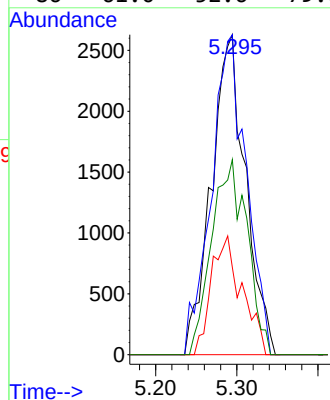
#20
Methylene Chloride
Concen: 2.951 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#07



Tgt Ion: 84 Resp: 7695

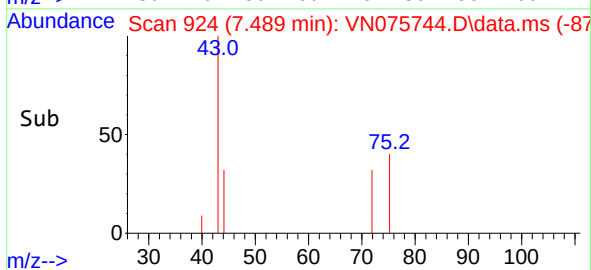
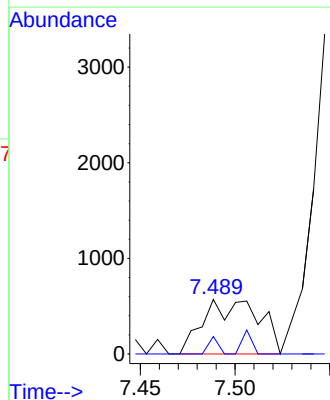
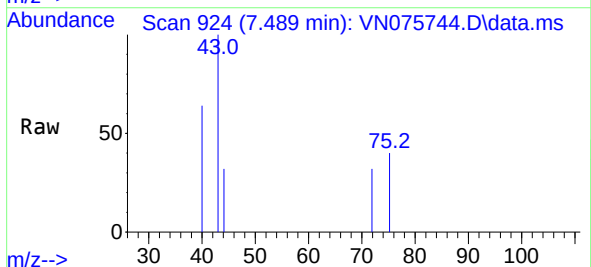
Ion	Ratio	Lower	Upper
84	100		
49	100.0	83.0	124.4
51	27.3	26.0	39.0
86	61.0	52.6	79.0

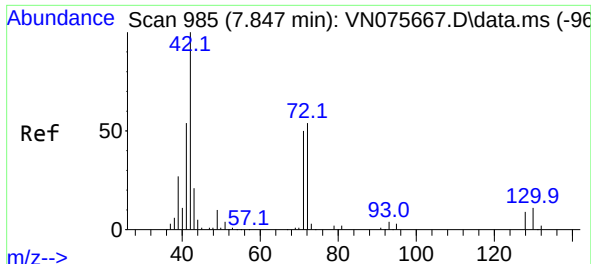


#25
2-Butanone
Concen: 0.910 ug/l
RT: 7.489 min Scan# 924
Delta R.T. 0.000 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Tgt Ion: 43 Resp: 1164

Ion	Ratio	Lower	Upper
43	100		
72	32.0	25.3	37.9

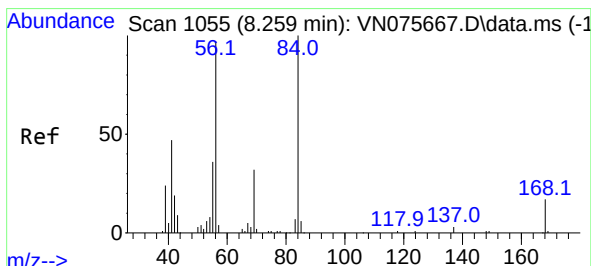
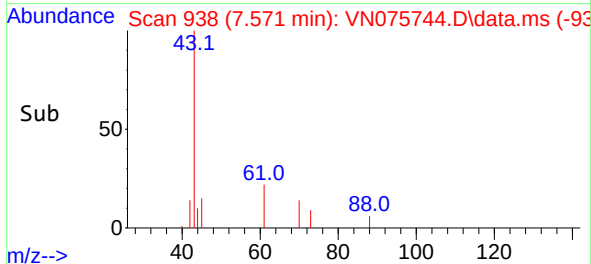
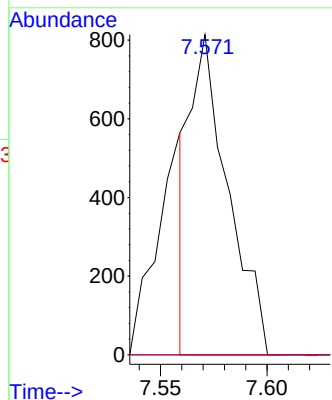
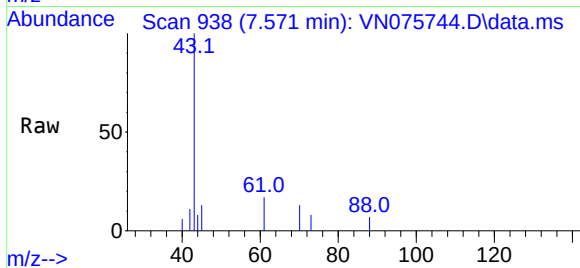




#29
Tetrahydrofuran
Concen: 1.257 ug/l
RT: 7.571 min Scan# 911
Delta R.T. -0.276 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

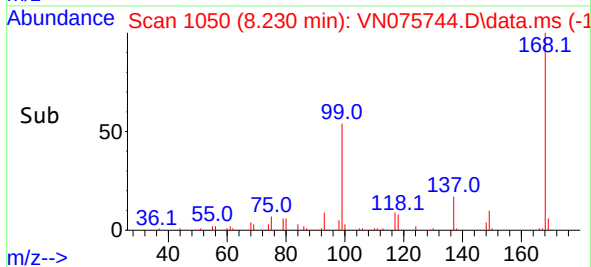
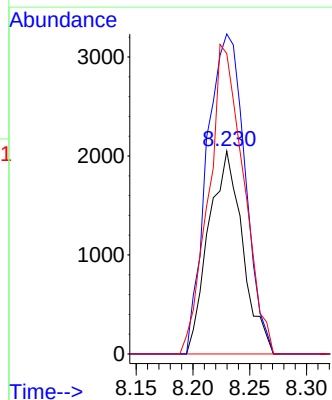
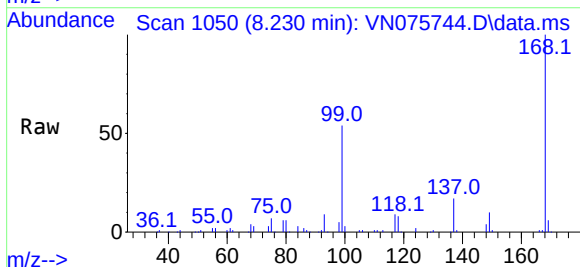
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MSVOA_N
ClientSampleId :
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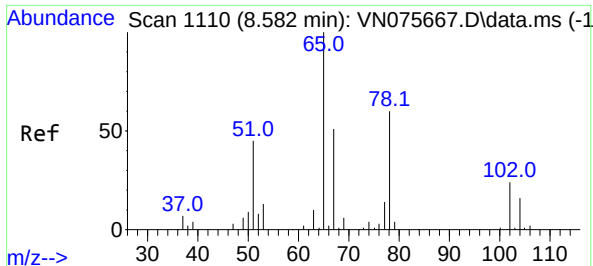
Tgt Ion: 42 Resp: 991
Ion Ratio Lower Upper
42 100
72 0.0 44.6 67.0#
71 0.0 41.2 61.8#



#31
Cyclohexane
Concen: 1.118 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Tgt Ion: 56 Resp: 4276
Ion Ratio Lower Upper
56 100
69 157.8 26.2 39.2#
84 148.1 82.8 124.2#

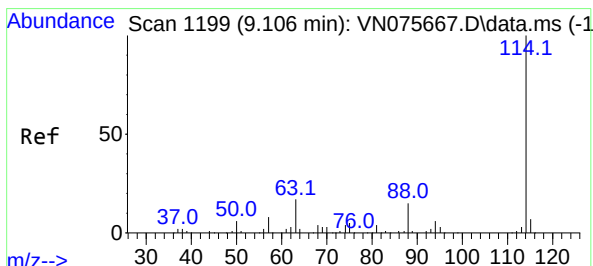
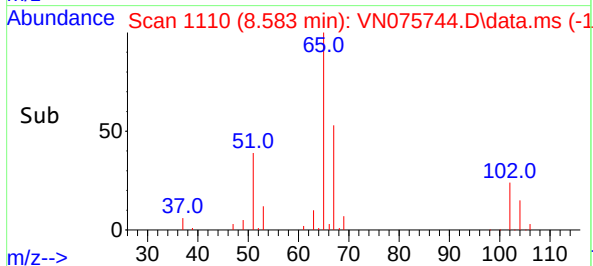
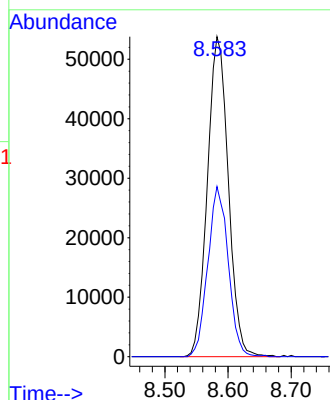
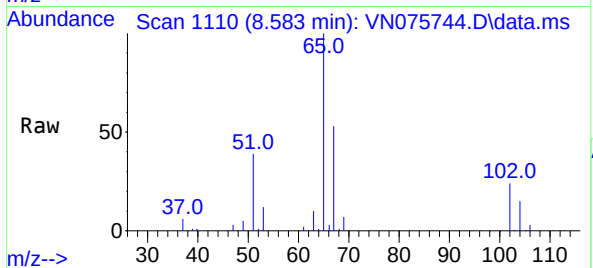




#33
 1,2-Dichloroethane-d4
 Concen: 47.982 ug/l
 RT: 8.583 min Scan# 1110
 Delta R.T. 0.000 min
 Lab File: VN075744.D
 Acq: 13 Dec 2022 06:28

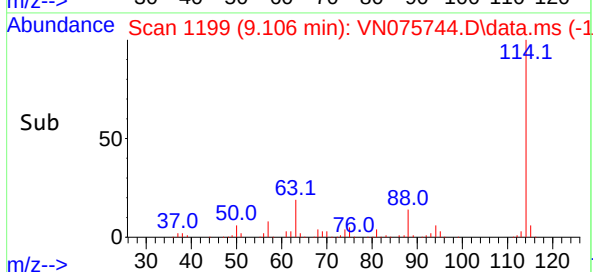
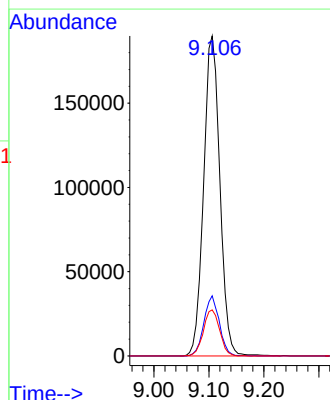
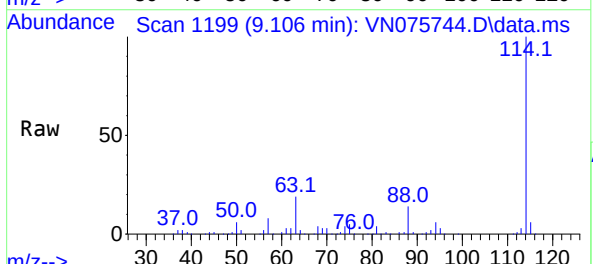
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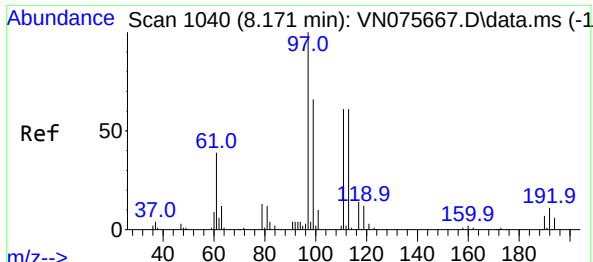
Tgt Ion: 65 Resp: 123943
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. 0.000 min
 Lab File: VN075744.D
 Acq: 13 Dec 2022 06:28

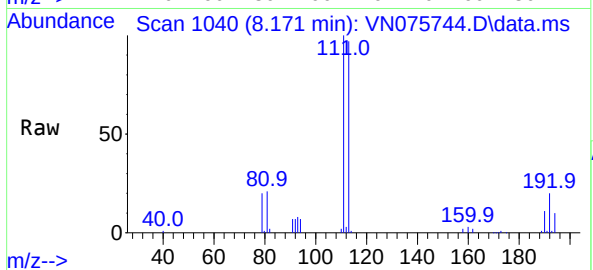
Tgt Ion: 114 Resp: 389399
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 34.4
 88 14.4 0.0 29.2



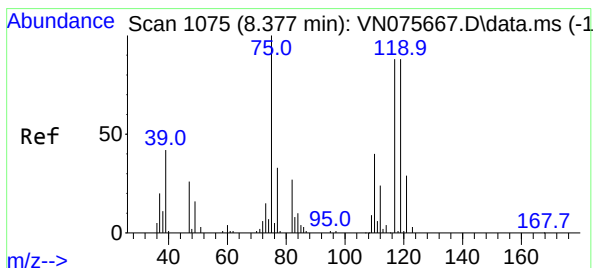
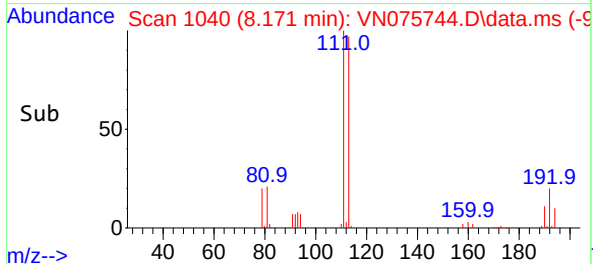
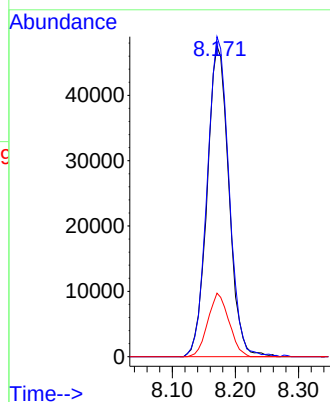


#35
Dibromofluoromethane
Concen: 47.787 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Instrument :
MSVOA_N
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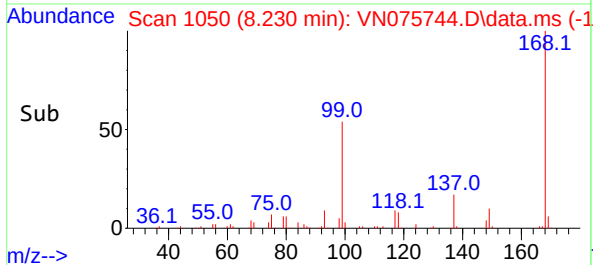
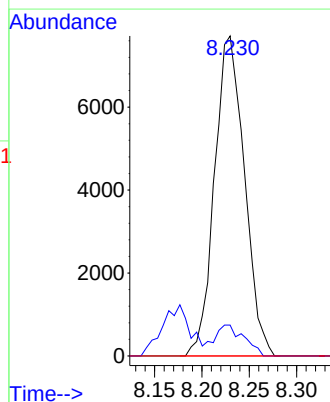
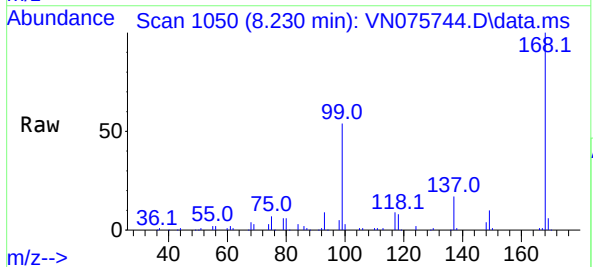


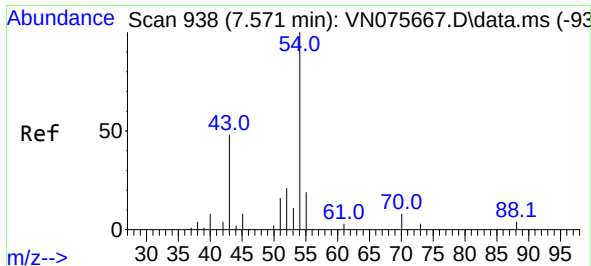
Tgt Ion:113 Resp: 113532
Ion Ratio Lower Upper
113 100
111 103.1 81.0 121.6
192 19.9 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.374 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Tgt Ion: 75 Resp: 16954
Ion Ratio Lower Upper
75 100
110 8.3 18.9 56.9#
77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 7.721 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN075744.D

Acq: 13 Dec 2022 06:28

Instrument :

MSVOA_N

ClientSampleId :

PB149517ZHE#07

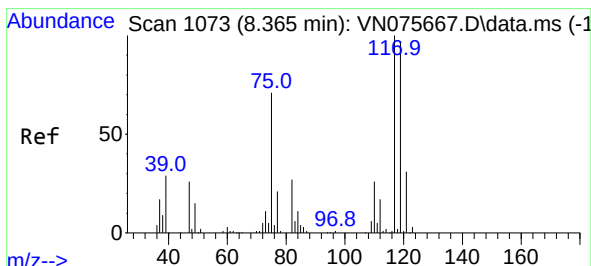
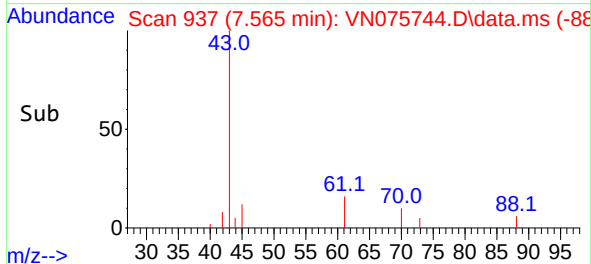
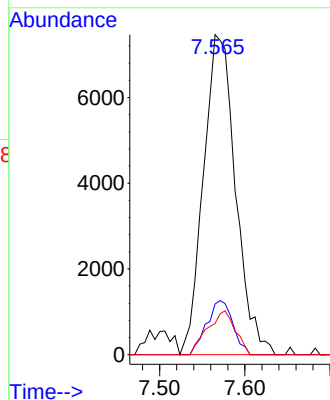
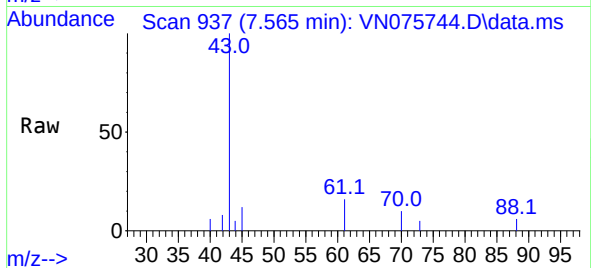
Tgt Ion: 43 Resp: 19556

Ion Ratio Lower Upper

43 100

61 13.8 13.3 19.9

70 11.9 9.9 14.9



#38

Carbon Tetrachloride

Concen: 6.547 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.129 min

Lab File: VN075744.D

Acq: 13 Dec 2022 06:28

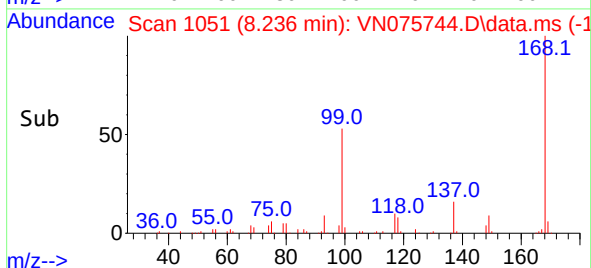
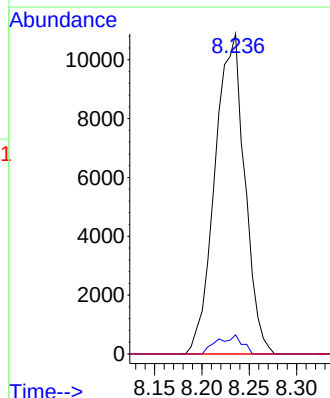
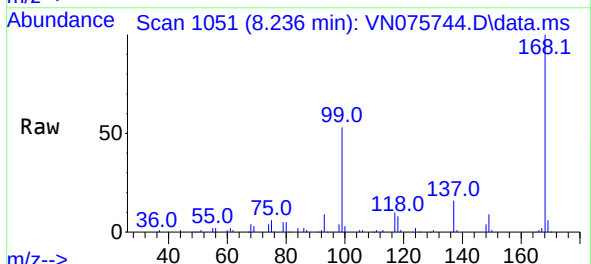
Tgt Ion: 117 Resp: 23833

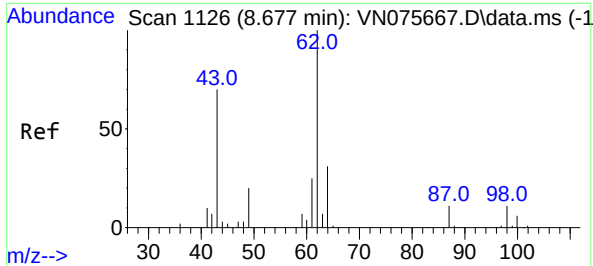
Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

121 0.0 24.6 37.0#

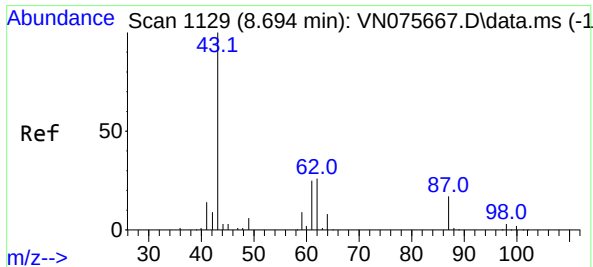
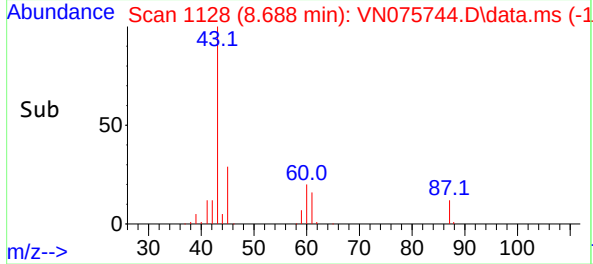
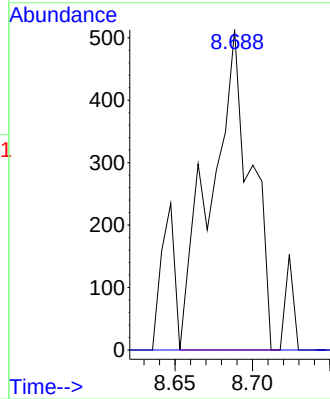
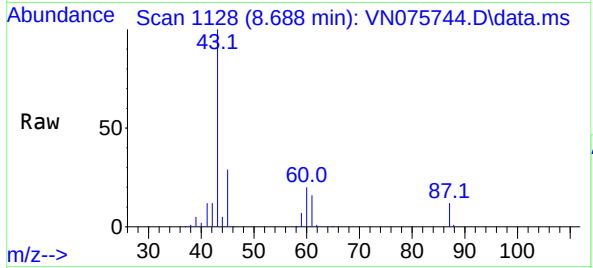




#42
1,2-Dichloroethane
Concen: 0.286 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

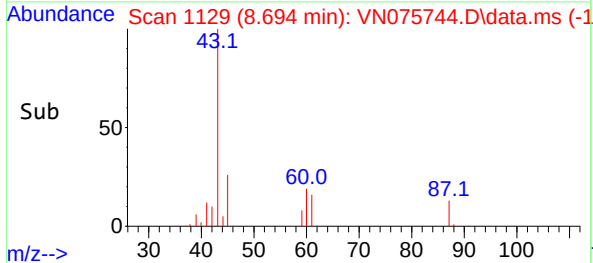
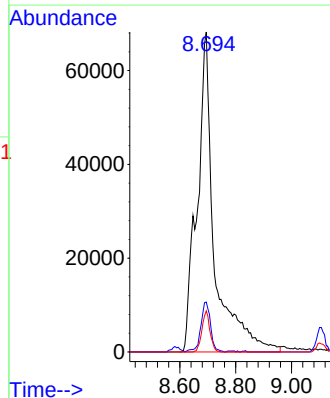
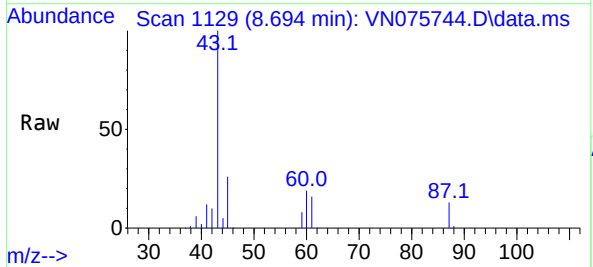
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#07

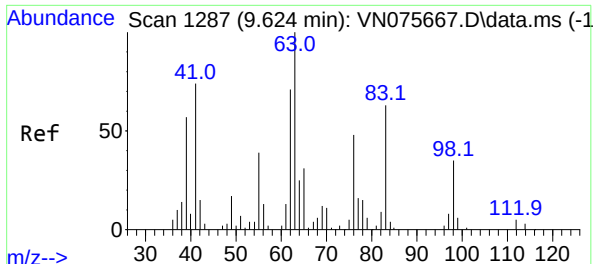
Tgt Ion: 62 Resp: 927
Ion Ratio Lower Upper
62 100
98 0.0 0.0 21.8



#43
Isopropyl Acetate
Concen: 69.458 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Tgt Ion: 43 Resp: 293699
Ion Ratio Lower Upper
43 100
61 8.7 23.8 35.8#
87 5.9 13.7 20.5#

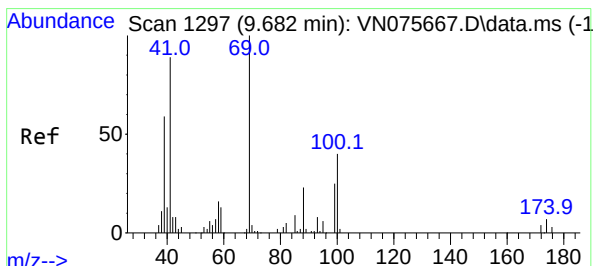
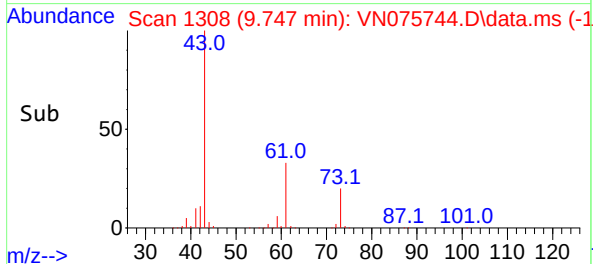
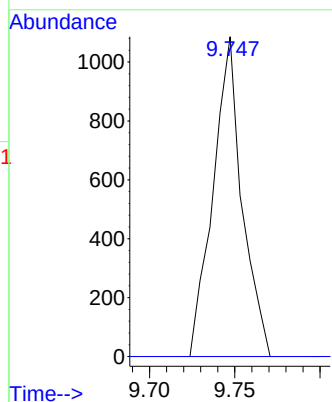
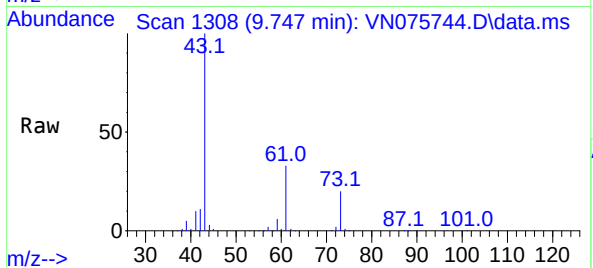




#45
1,2-Dichloropropane
Concen: 0.558 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.124 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

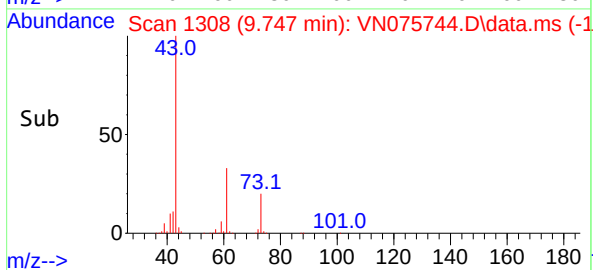
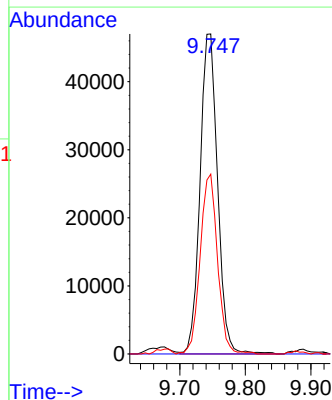
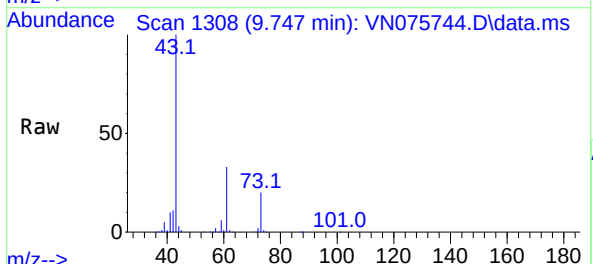
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#07

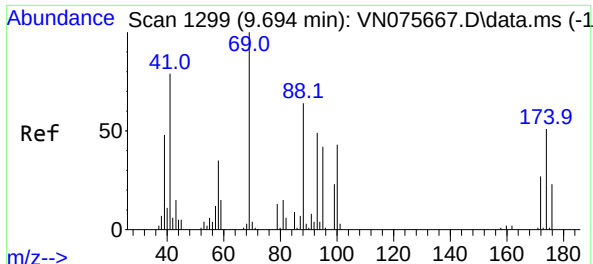
Tgt Ion: 63 Resp: 1285
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#



#48
Methyl methacrylate
Concen: 44.956 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.065 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Tgt Ion: 41 Resp: 87552
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 55.8 53.2 79.8

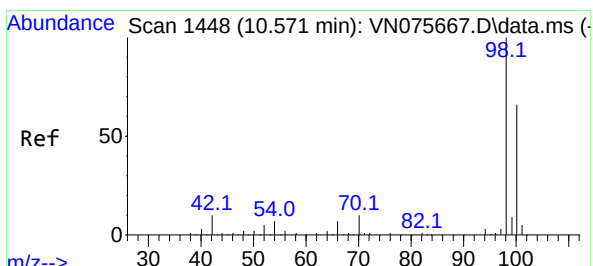
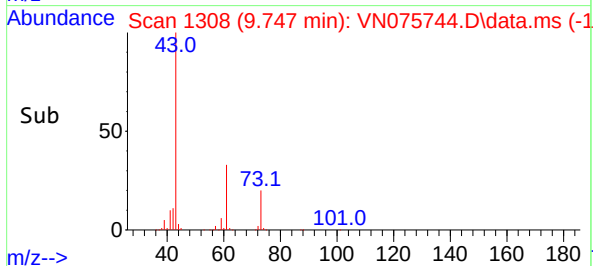
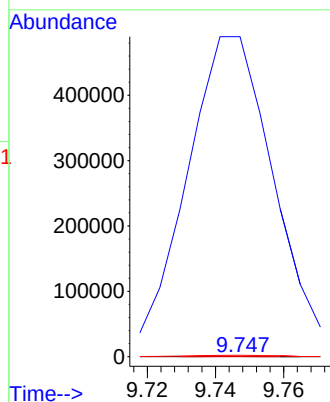
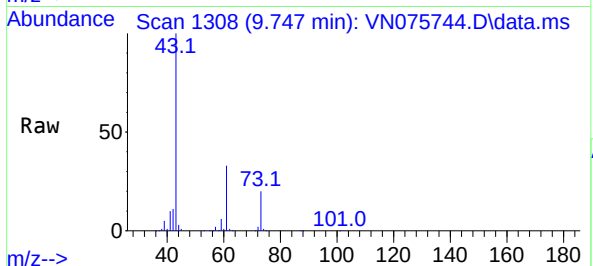




#49
1,4-Dioxane
Concen: 2.493 ug/l
RT: 9.747 min Scan# 1118
Delta R.T. 0.053 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

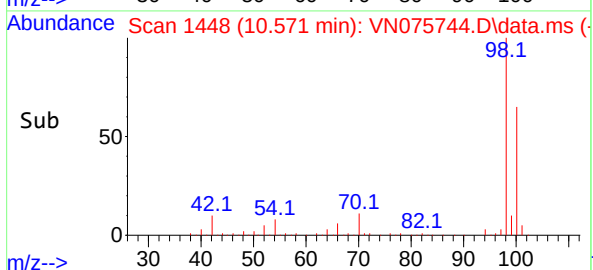
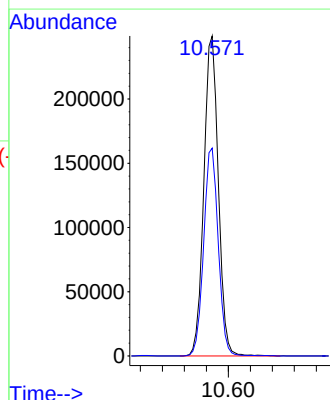
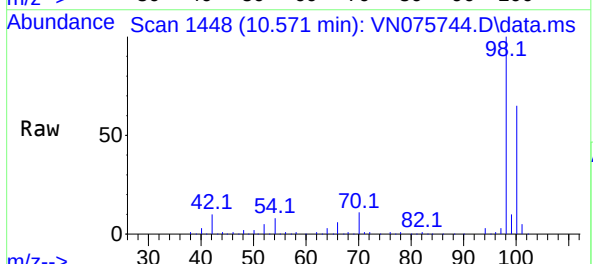
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#07

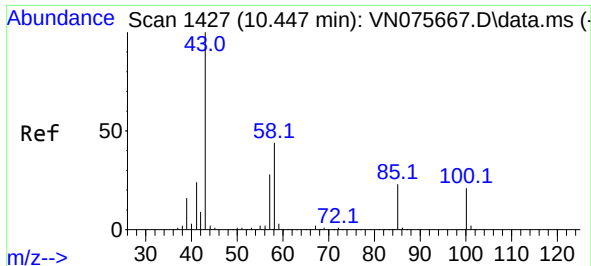
Tgt Ion: 88 Resp: 118
Ion Ratio Lower Upper
88 100
43 755772.9 17.4 26.0#
58 3466.1 46.8 70.2#



#50
Toluene-d8
Concen: 50.960 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Tgt Ion: 98 Resp: 454670
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8

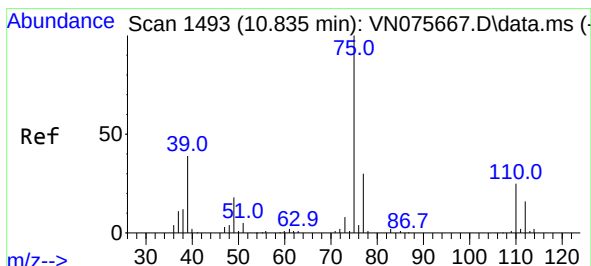
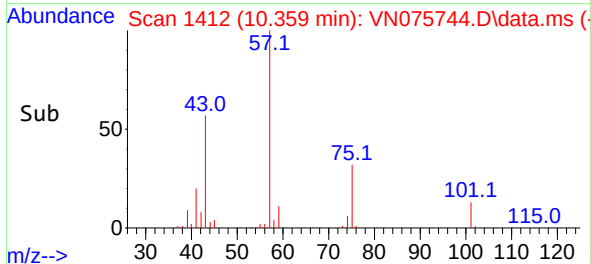
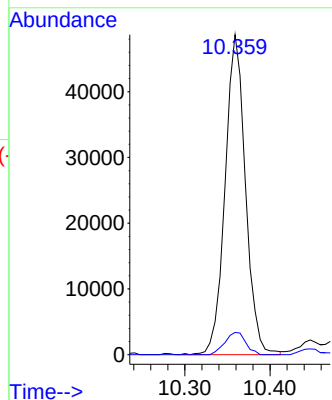
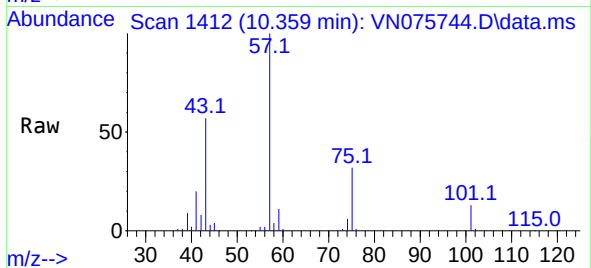




#51
4-Methyl-2-Pentanone
Concen: 30.987 ug/l
RT: 10.359 min Scan# 1427
Delta R.T. -0.088 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

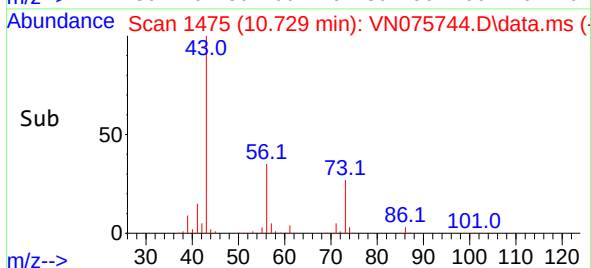
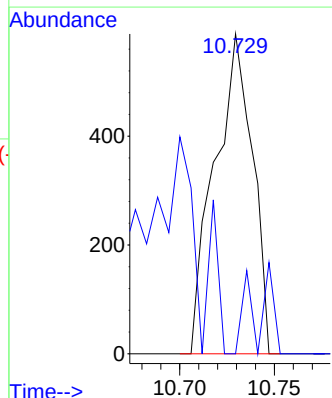
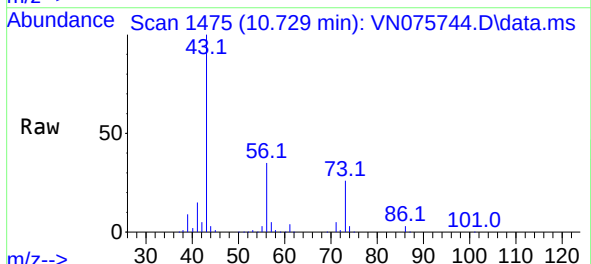
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#07

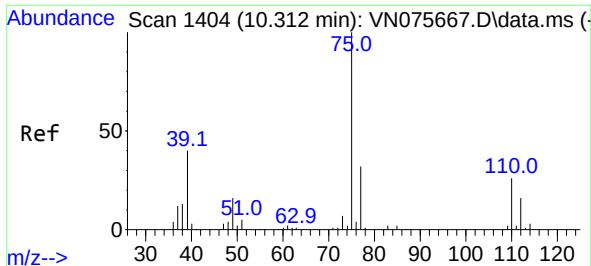
Tgt Ion: 43 Resp: 80795
Ion Ratio Lower Upper
43 100
58 7.1 35.0 52.6#



#53
t-1,3-Dichloropropene
Concen: 0.244 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Tgt Ion: 75 Resp: 817
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#

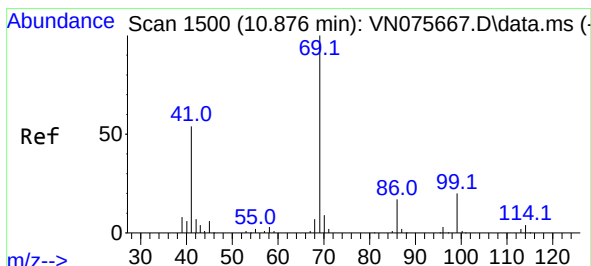
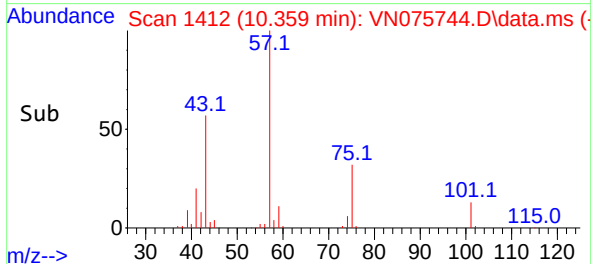
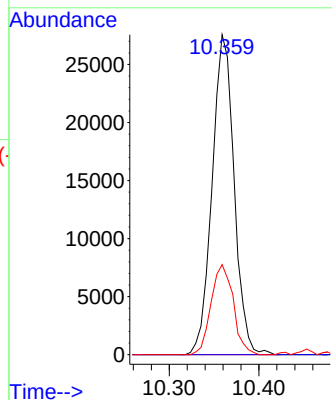
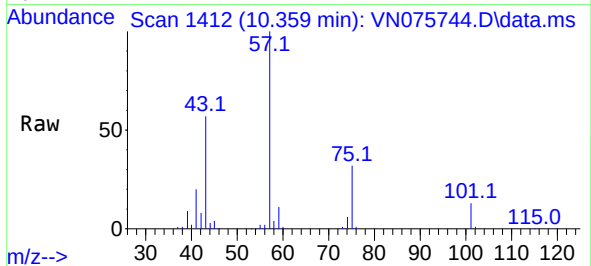




#54
cis-1,3-Dichloropropene
Concen: 12.599 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

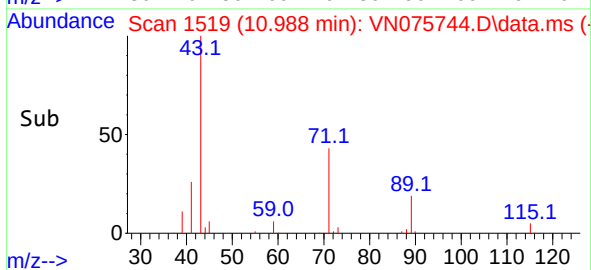
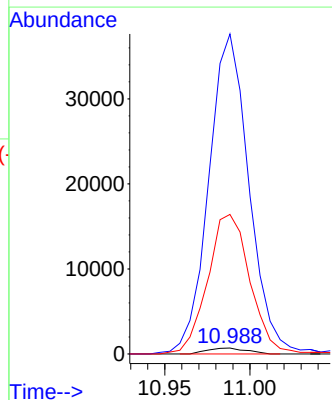
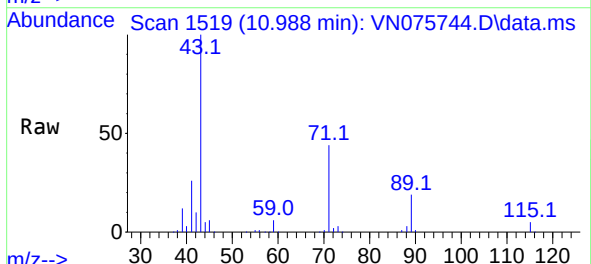
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#07

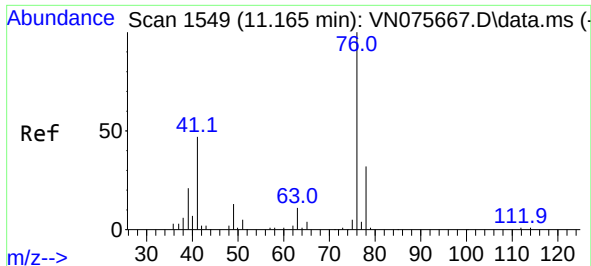
Tgt Ion: 75 Resp: 46923
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 28.1 32.0 48.0#



#56
Ethyl methacrylate
Concen: 0.326 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Tgt Ion: 69 Resp: 1111
Ion Ratio Lower Upper
69 100
41 5587.6 44.1 66.1#
39 2561.6 27.7 41.5#





#57

1,3-Dichloropropane

Concen: 1.383 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN075744.D

Acq: 13 Dec 2022 06:28

Instrument :

MSVOA_N

ClientSampleId :

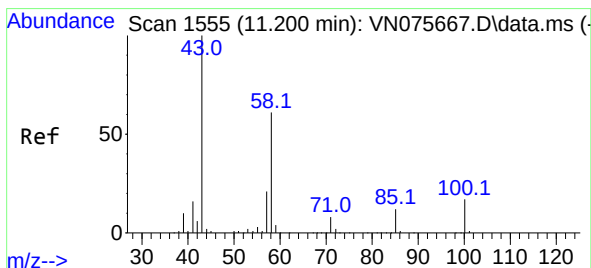
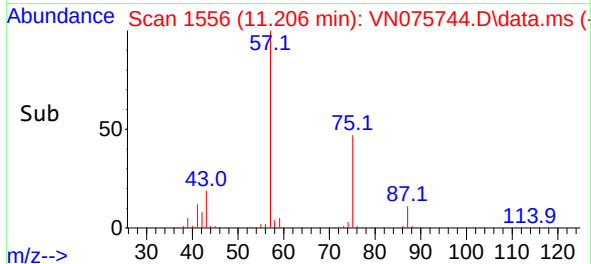
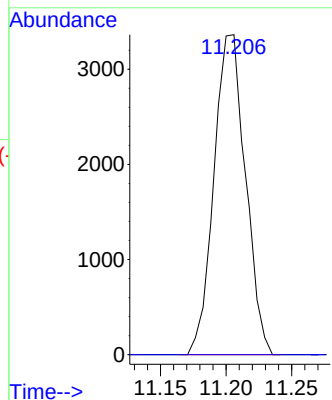
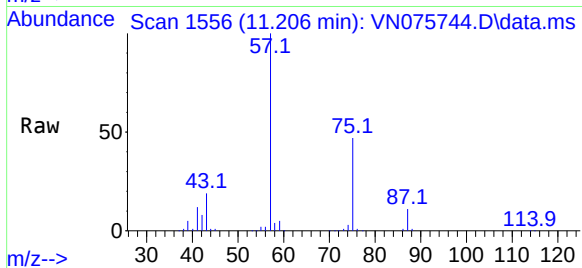
PB149517ZHE#07

Tgt Ion: 76 Resp: 5625

Ion Ratio Lower Upper

76 100

78 0.0 26.8 40.2#



#59

2-Hexanone

Concen: 47.385 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN075744.D

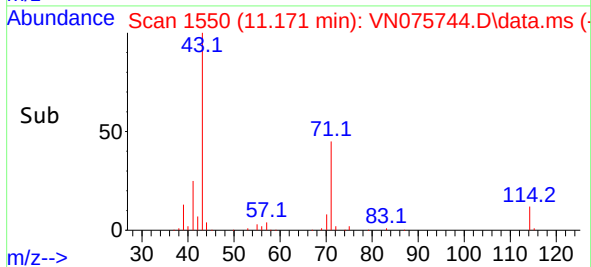
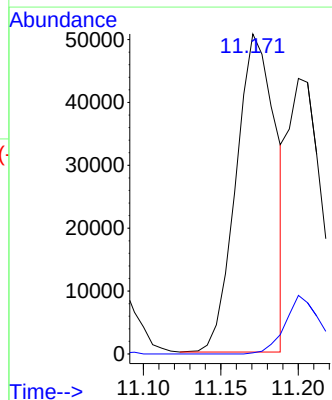
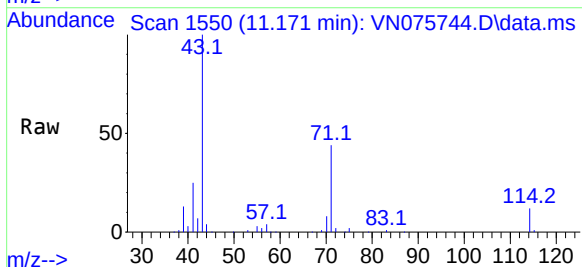
Acq: 13 Dec 2022 06:28

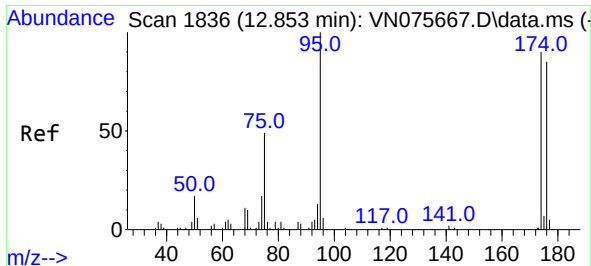
Tgt Ion: 43 Resp: 89760

Ion Ratio Lower Upper

43 100

58 0.0 30.9 92.5#

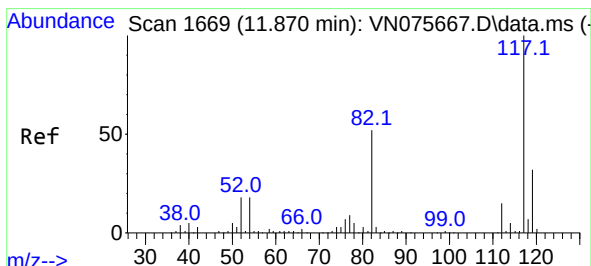
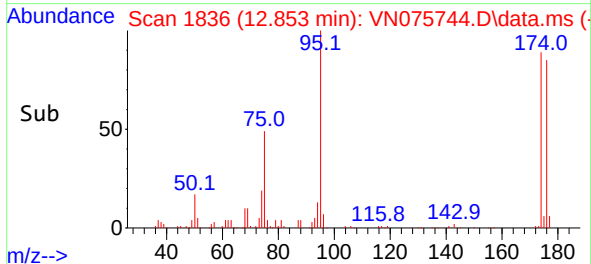
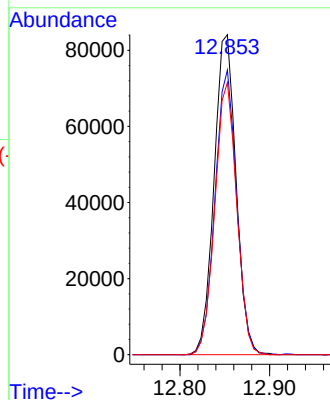
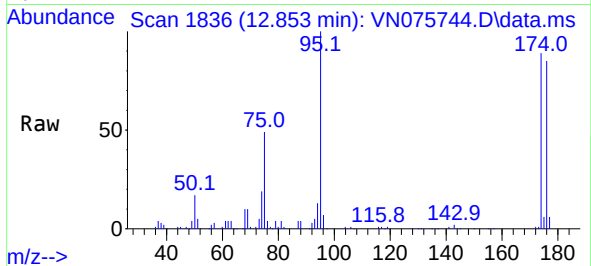




#62
4-Bromofluorobenzene
Concen: 46.899 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

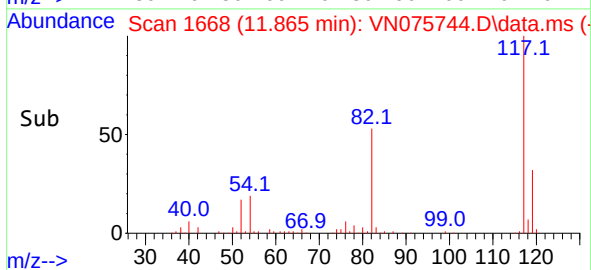
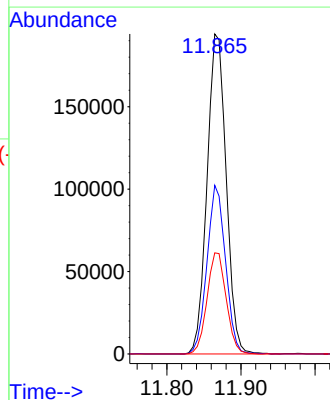
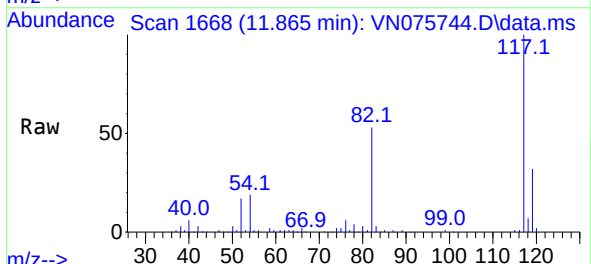
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#07

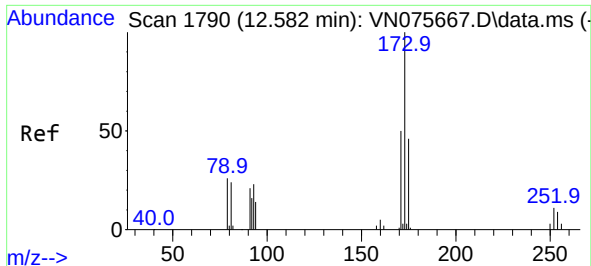
Tgt Ion: 95 Resp: 143067
Ion Ratio Lower Upper
95 100
174 87.6 0.0 178.6
176 84.2 0.0 170.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Tgt Ion: 117 Resp: 348095
Ion Ratio Lower Upper
117 100
82 52.7 41.8 62.8
119 31.6 25.8 38.6

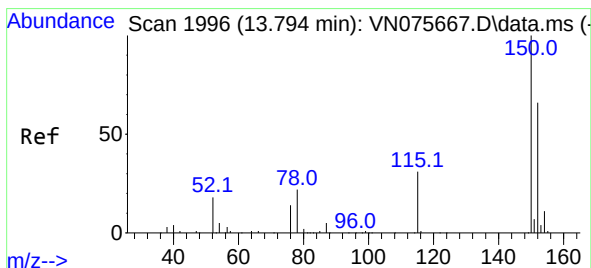
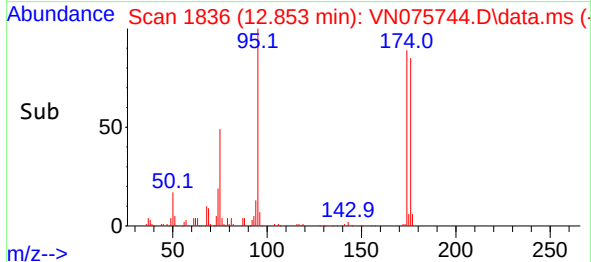
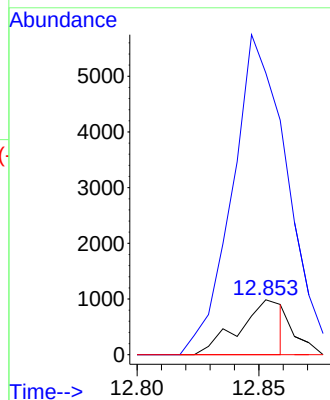
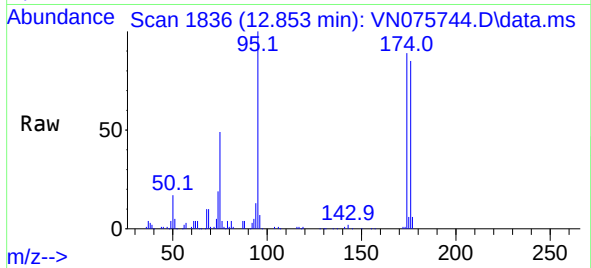




#71
Bromoform
Concen: 0.630 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

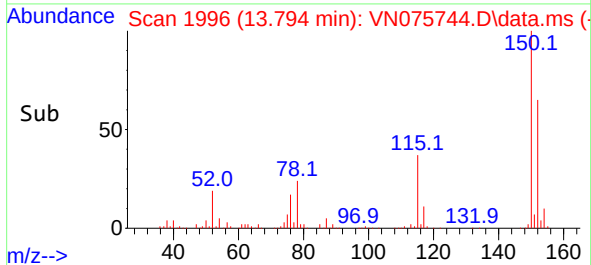
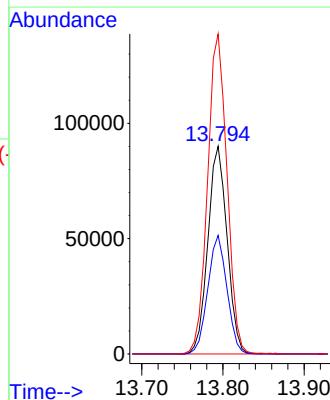
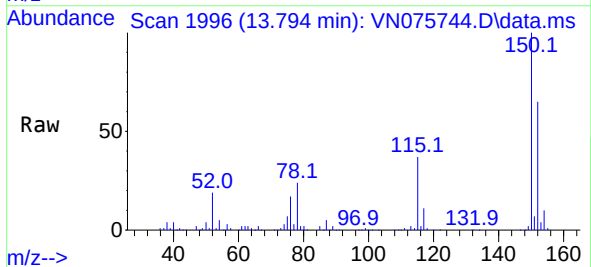
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#07

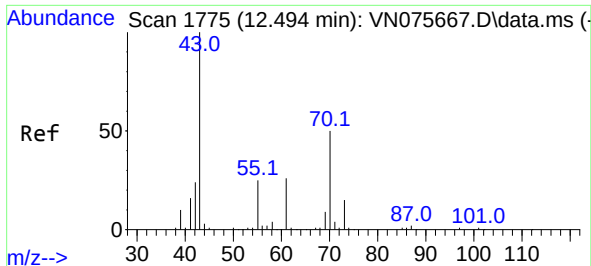
Tgt Ion:173 Resp: 1245
Ion Ratio Lower Upper
173 100
175 610.8 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Tgt Ion:152 Resp: 148404
Ion Ratio Lower Upper
152 100
115 56.6 28.4 85.2
150 155.2 0.0 347.6



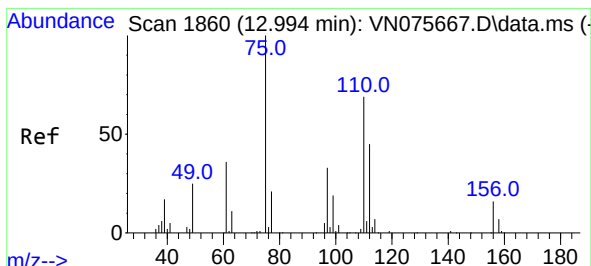
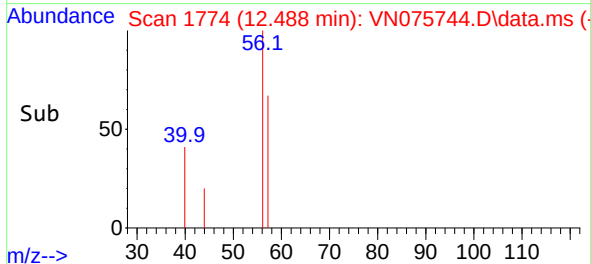
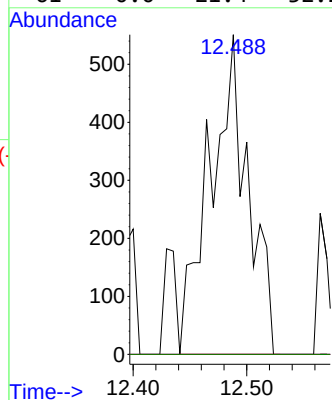
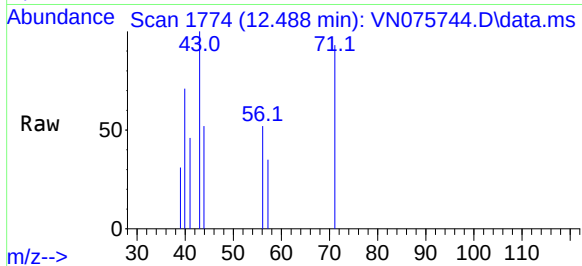


#74
N-amy1 acetate
Concen: 0.415 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#07

Tgt Ion: 43 Resp: 1286

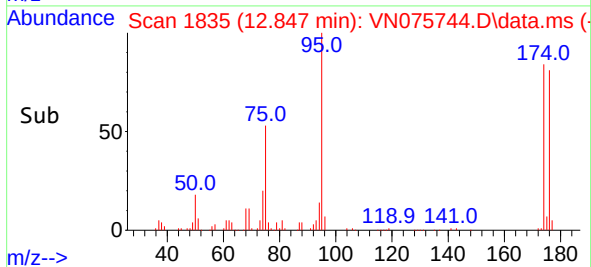
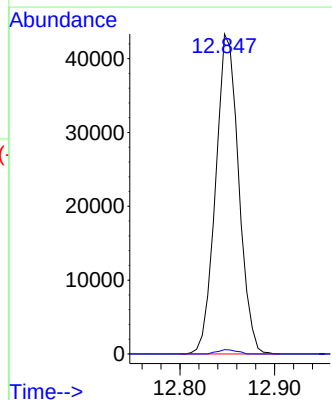
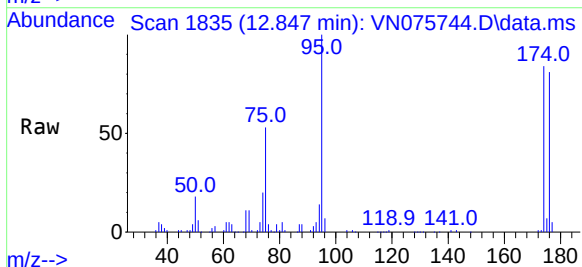
Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.0	61.6#
55	0.0	20.7	31.1#
61	0.0	21.4	32.2#

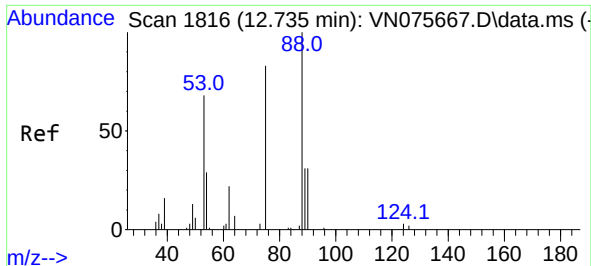


#76
1,2,3-Trichloropropane
Concen: 24.602 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Tgt Ion: 75 Resp: 73322

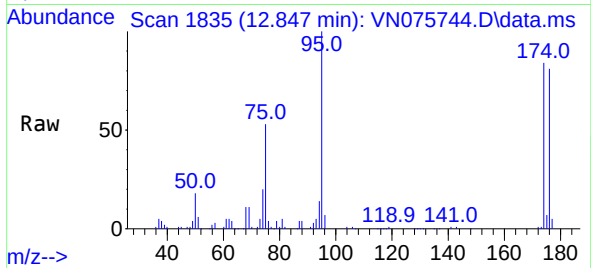
Ion	Ratio	Lower	Upper
75	100		
77	1.1	81.8	245.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 78.536 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075744.D
Acq: 13 Dec 2022 06:28

Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#07



Tgt Ion: 75 Resp: 73322
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.1 36.6 55.0#

