

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110722\
 Data File : VN075191.D
 Acq On : 07 Nov 2022 16:34
 Operator : JC\MD
 Sample : PB148848ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148848ZHE#03

Quant Time: Nov 08 01:11:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

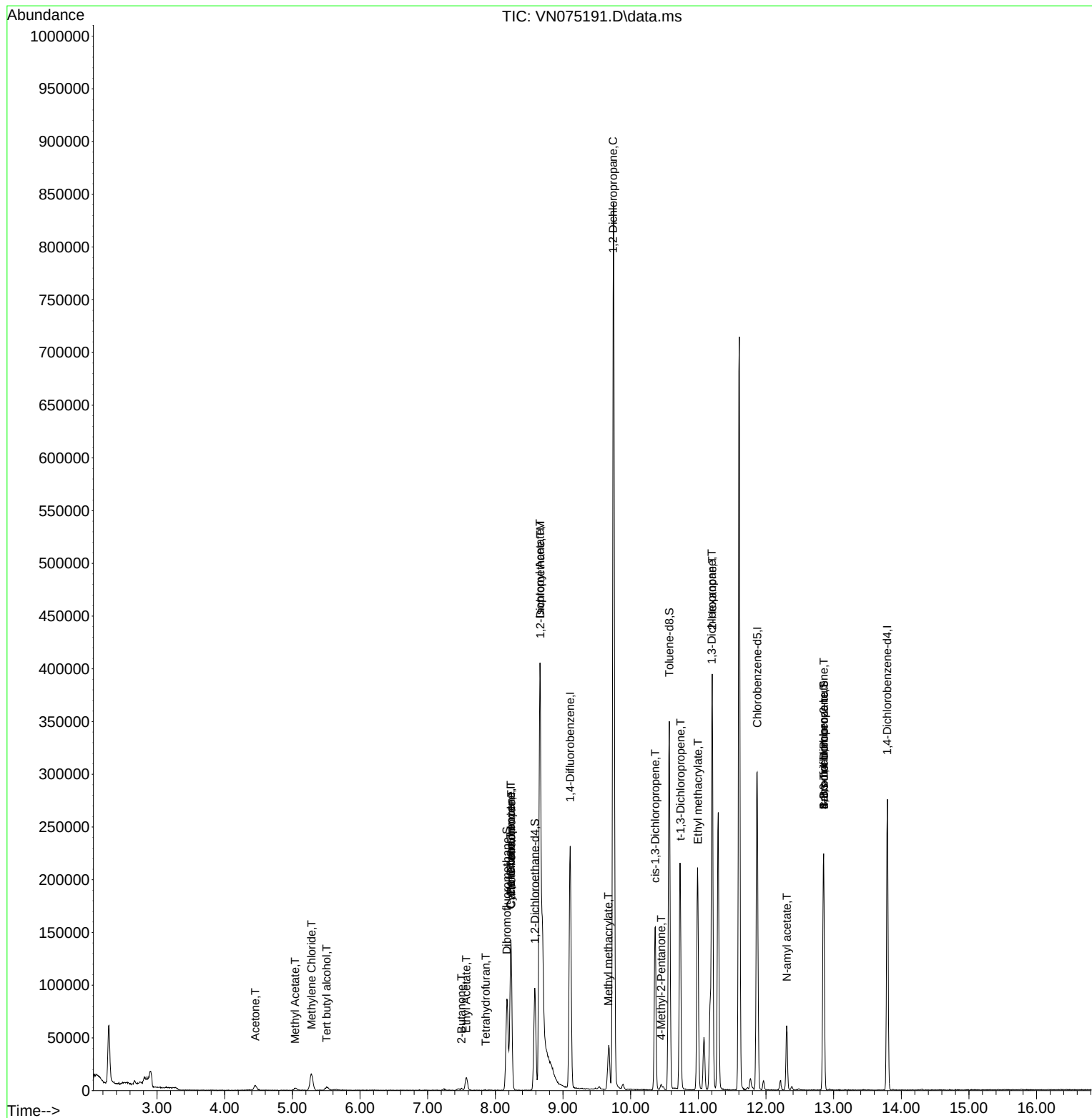
Internal Standards						
1) Pentafluorobenzene	8.230	168	97849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	200782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	180068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	70435	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	78423	59.484	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.960%			
35) Dibromofluoromethane	8.171	113	61134	51.866	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.740%			
50) Toluene-d8	10.571	98	238025	52.050	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.100%			
62) 4-Bromofluorobenzene	12.853	95	77324	48.135	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.260%			
Target Compounds						Qvalue
5) Bromomethane	2.912	94	375	Below Cal		85
11) Tert butyl alcohol	5.506	59	3225	10.489 ug/l #		72
16) Acetone	4.453	43	9011	16.142 ug/l		96
18) Methyl Acetate	5.042	43	4420	2.424 ug/l		91
20) Methylene Chloride	5.283	84	13092	10.518 ug/l		90
25) 2-Butanone	7.500	43	2904	3.307 ug/l		89
29) Tetrahydrofuran	7.859	42	192	0.338 ug/l #		26
31) Cyclohexane	8.224	56	2419	1.234 ug/l #		18
36) 1,1-Dichloropropene	8.230	75	8475	4.644 ug/l #		52
37) Ethyl Acetate	7.571	43	18260	9.124 ug/l		99
38) Carbon Tetrachloride	8.236	117	11347	5.653 ug/l #		16
42) 1,2-Dichloroethane	8.665	62	1460	0.718 ug/l #		75
43) Isopropyl Acetate	8.659	43	485347	156.352 ug/l #		53
45) 1,2-Dichloropropane	9.741	63	1072	0.806 ug/l #		42
48) Methyl methacrylate	9.671	41	2565	1.801 ug/l #		31
51) 4-Methyl-2-Pentanone	10.453	43	3274	1.634 ug/l		91
53) t-1,3-Dichloropropene	10.735	75	592	0.280 ug/l #		43
54) cis-1,3-Dichloropropene	10.365	75	29776	13.258 ug/l #		64
56) Ethyl methacrylate	10.994	69	871	0.386 ug/l #		1
57) 1,3-Dichloropropane	11.200	76	4463	1.810 ug/l #		42
59) 2-Hexanone	11.206	43	43948	28.907 ug/l #		55
71) Bromoform	12.853	173	521	0.488 ug/l #		1
74) N-amyl acetate	12.306	43	18421	8.808 ug/l #		48
76) 1,2,3-Trichloropropane	12.853	75	42525	28.435 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	42525	72.992 ug/l #		10

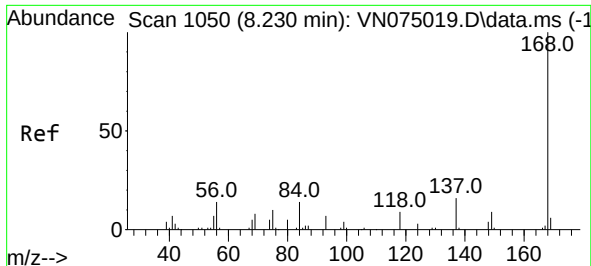
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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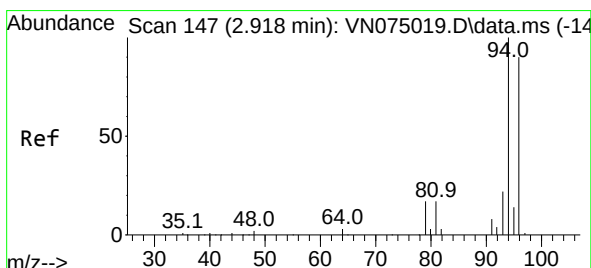
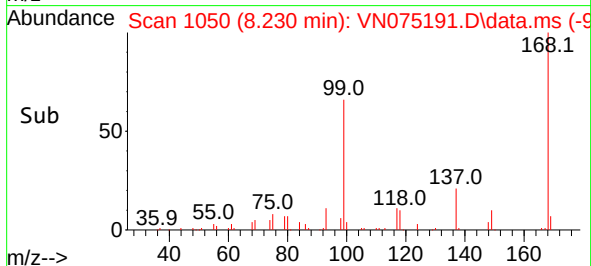
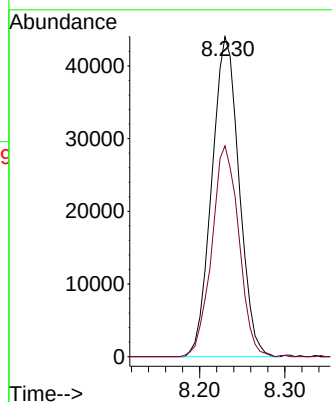
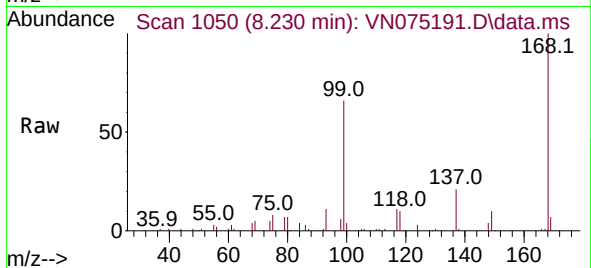




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

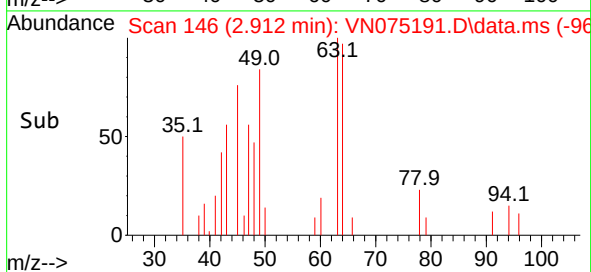
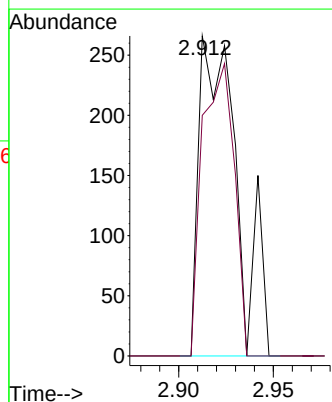
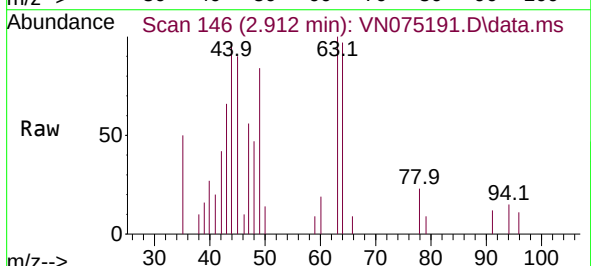
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#03

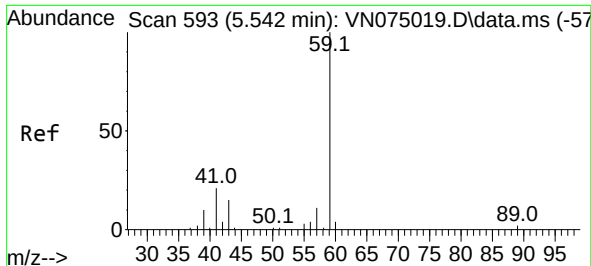
Tgt Ion:168 Resp: 97849
Ion Ratio Lower Upper
168 100
99 65.9 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.912 min Scan# 146
Delta R.T. -0.006 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

Tgt Ion: 94 Resp: 375
Ion Ratio Lower Upper
94 100
96 75.2 71.8 107.6

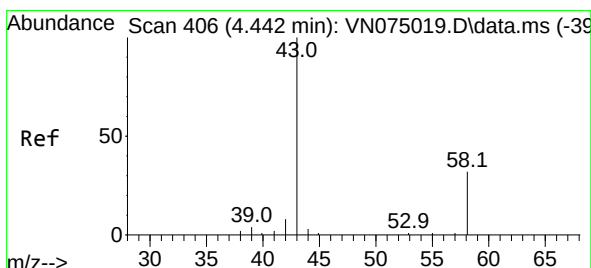
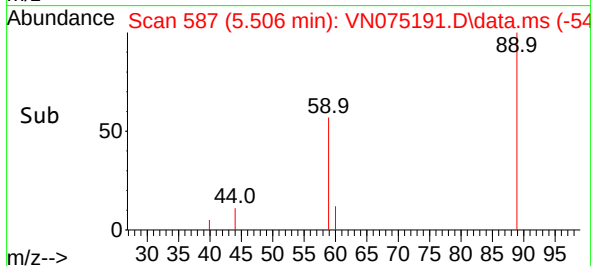
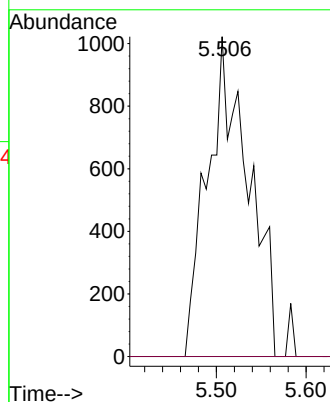
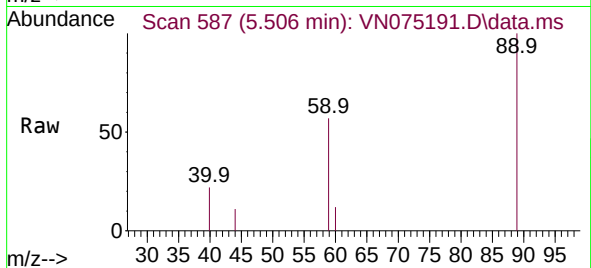




#11
Tert butyl alcohol
Concen: 10.489 ug/l
RT: 5.506 min Scan# 51
Delta R.T. -0.036 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

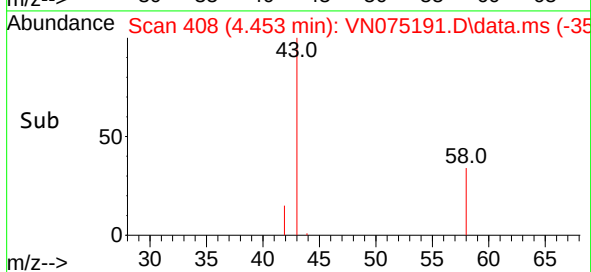
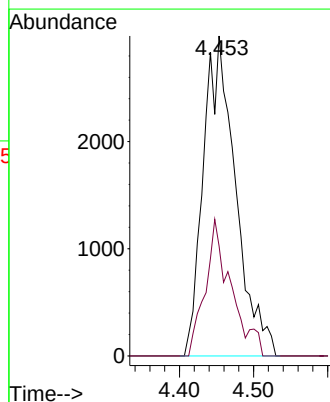
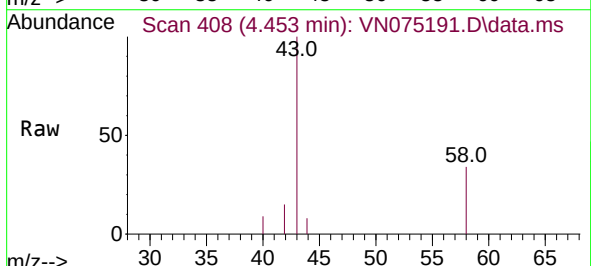
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#03

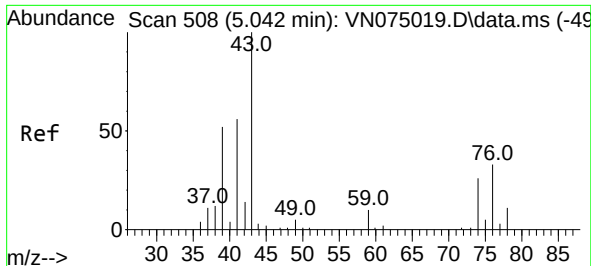
Tgt Ion: 59 Resp: 3225
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 16.142 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

Tgt Ion: 43 Resp: 9011
Ion Ratio Lower Upper
43 100
58 34.3 25.5 38.3

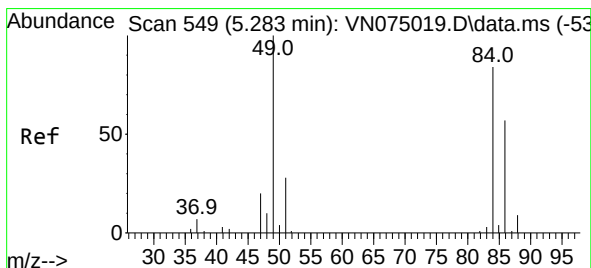
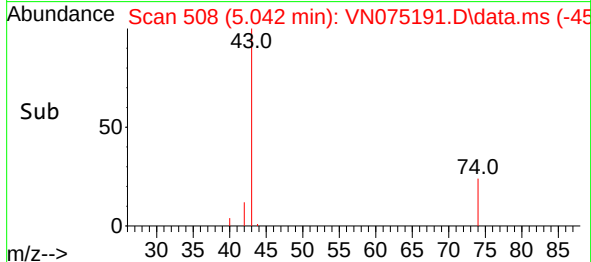
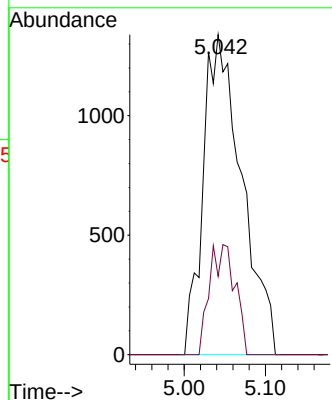
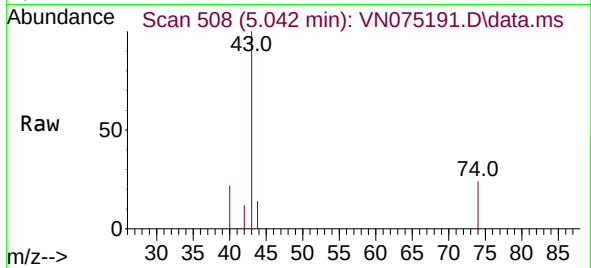




#18
Methyl Acetate
Concen: 2.424 ug/l
RT: 5.042 min Scan# 508
Delta R.T. -0.000 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

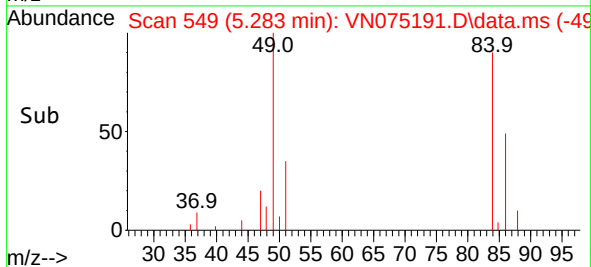
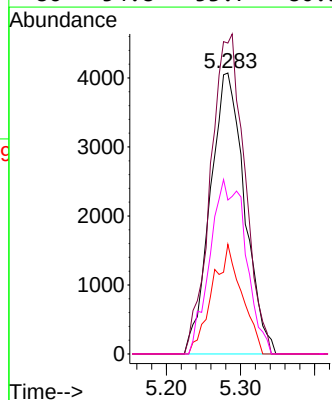
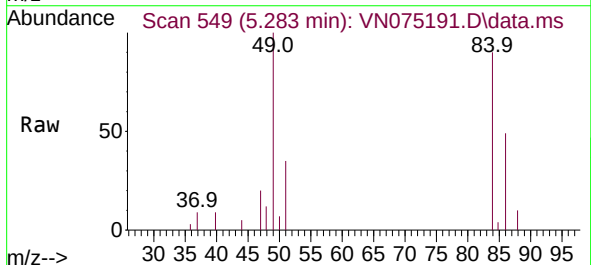
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#03

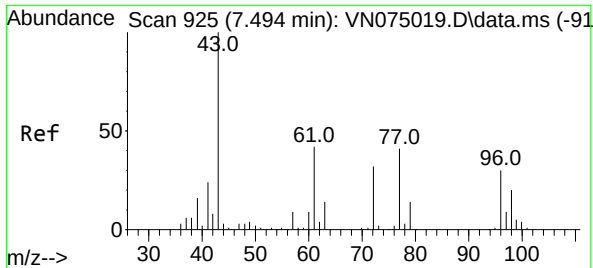
Tgt Ion: 43 Resp: 4420
Ion Ratio Lower Upper
43 100
74 22.8 22.0 33.0



#20
Methylene Chloride
Concen: 10.518 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

Tgt Ion: 84 Resp: 13092
Ion Ratio Lower Upper
84 100
49 110.6 94.9 142.3
51 39.0 26.8 40.2
86 54.8 53.7 80.5

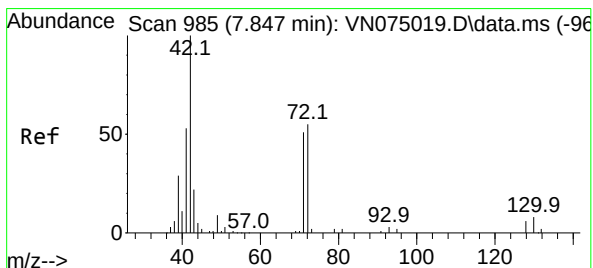
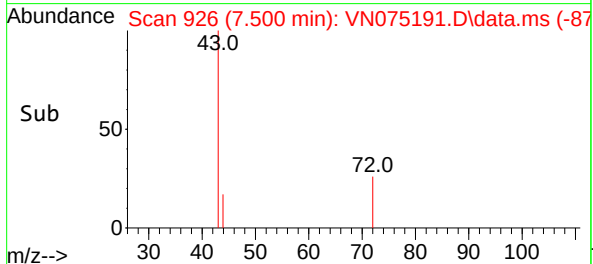
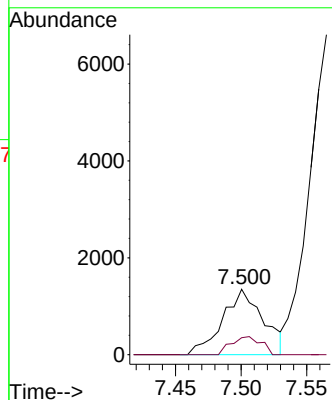
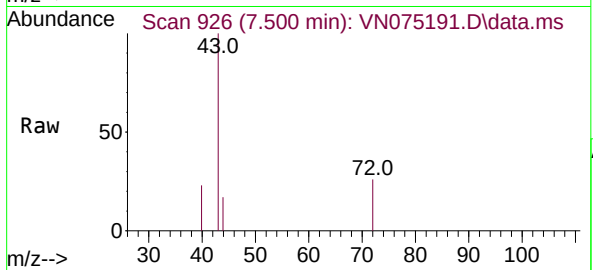




#25
2-Butanone
Concen: 3.307 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

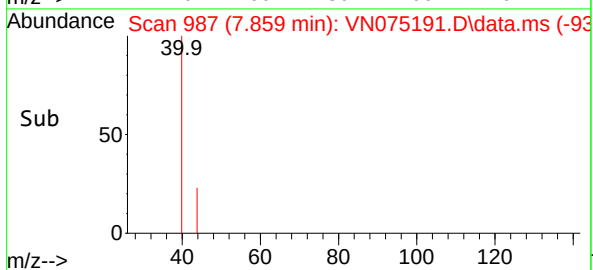
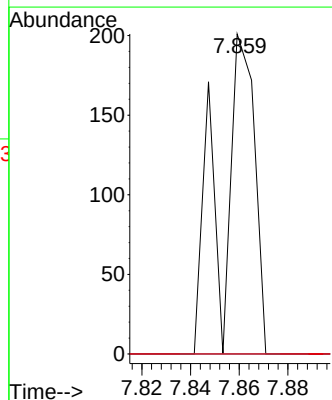
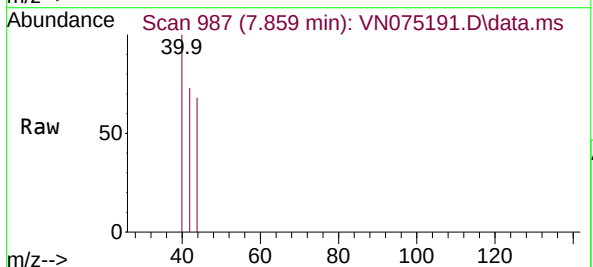
Instrument :
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ClientSampleId :
PB148848ZHE#03

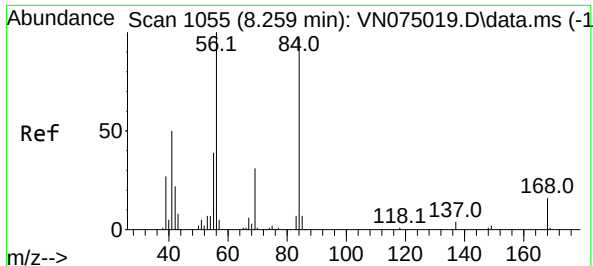
Tgt Ion: 43 Resp: 2904
Ion Ratio Lower Upper
43 100
72 26.0 25.5 38.3



#29
Tetrahydrofuran
Concen: 0.338 ug/l
RT: 7.859 min Scan# 987
Delta R.T. 0.012 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

Tgt Ion: 42 Resp: 192
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#

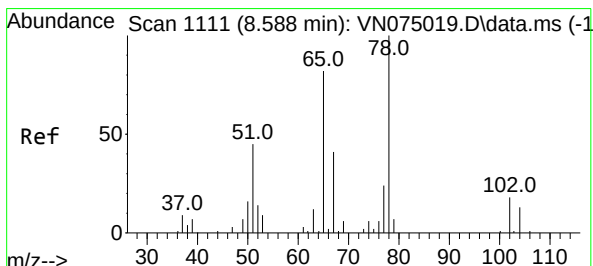
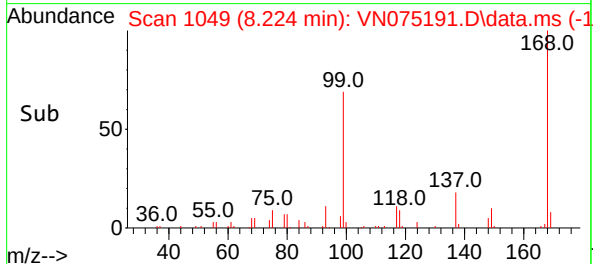
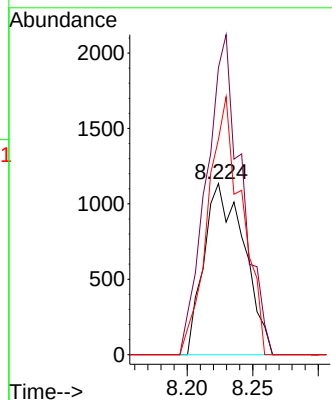
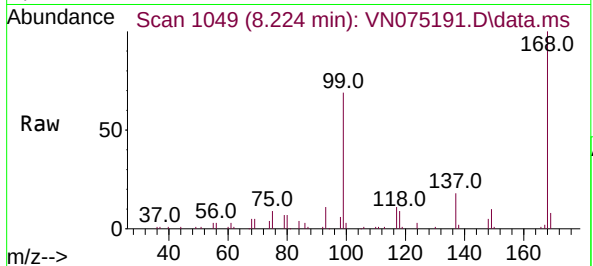




#31
Cyclohexane
Concen: 1.234 ug/l
RT: 8.224 min Scan# 1109
Delta R.T. -0.035 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

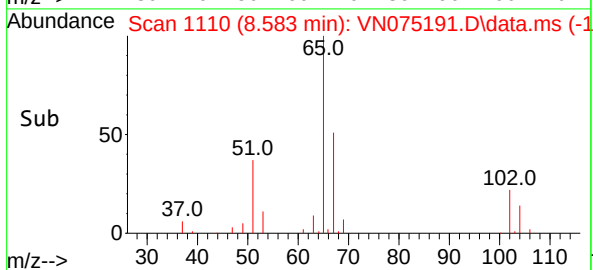
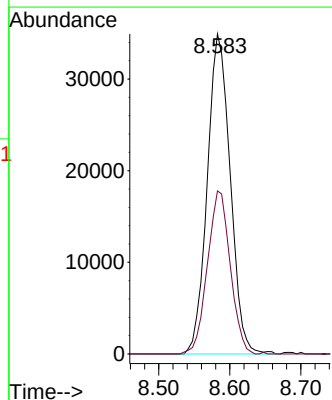
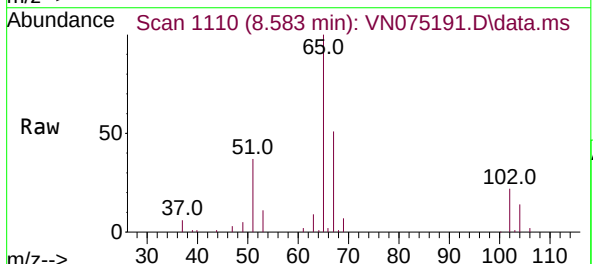
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ClientSampleId :
PB148848ZHE#03

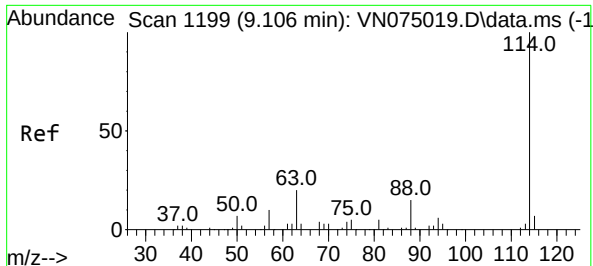
Tgt Ion: 56 Resp: 2419
Ion Ratio Lower Upper
56 100
69 167.7 25.2 37.8#
84 125.8 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 59.484 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

Tgt Ion: 65 Resp: 78423
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.0

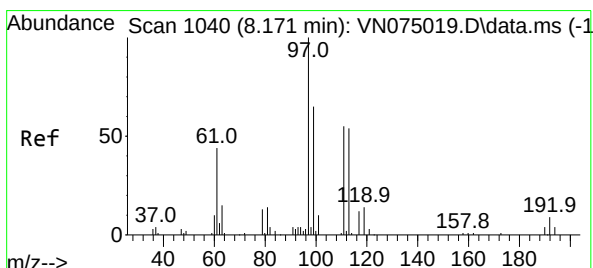
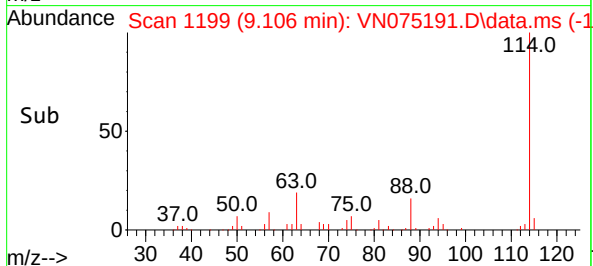
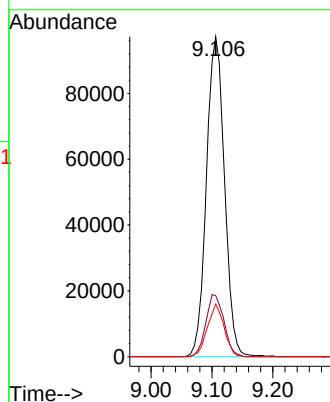
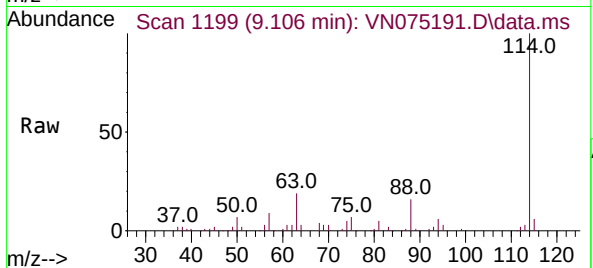




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

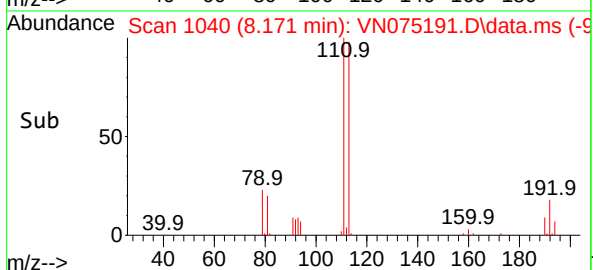
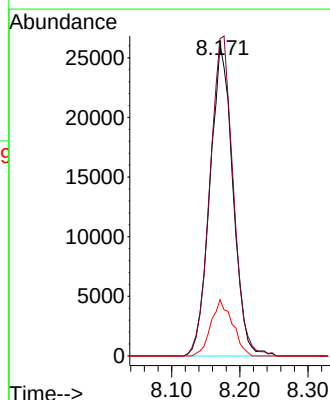
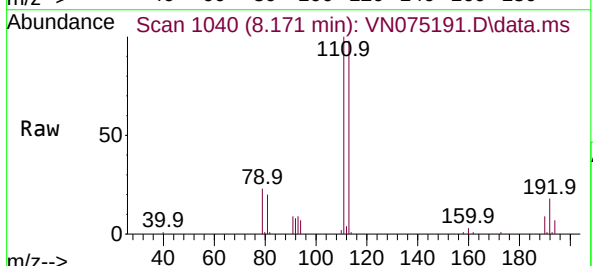
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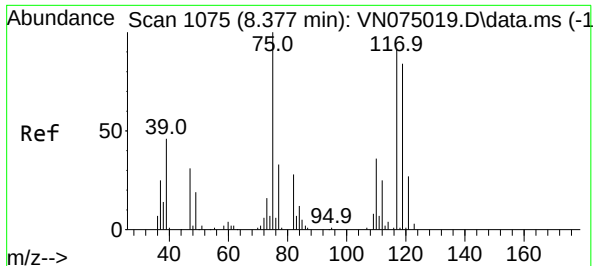
Tgt Ion:114 Resp: 200782
Ion Ratio Lower Upper
114 100
63 19.1 0.0 39.6
88 16.4 0.0 29.0



#35
Dibromofluoromethane
Concen: 51.866 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

Tgt Ion:113 Resp: 61134
Ion Ratio Lower Upper
113 100
111 104.0 80.5 120.7
192 16.9 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.644 ug/l

RT: 8.230 min Scan# 1075

Delta R.T. -0.147 min

Lab File: VN075191.D

Acq: 07 Nov 2022 16:34

Instrument :

MSVOA_N

ClientSampleId :

PB148848ZHE#03

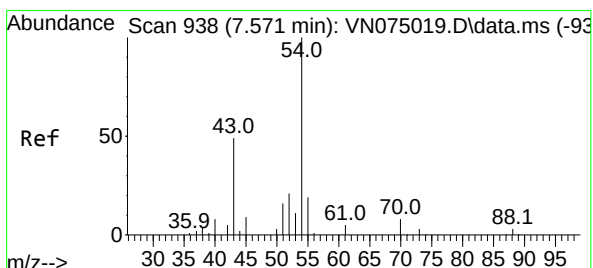
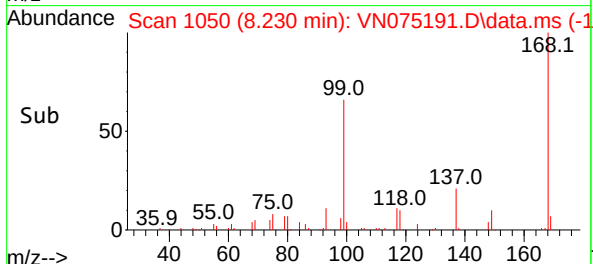
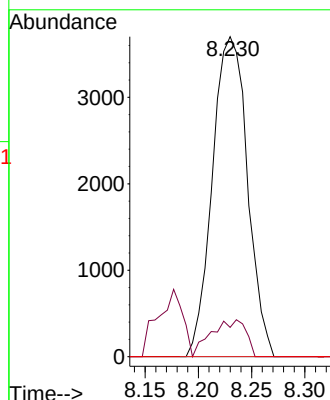
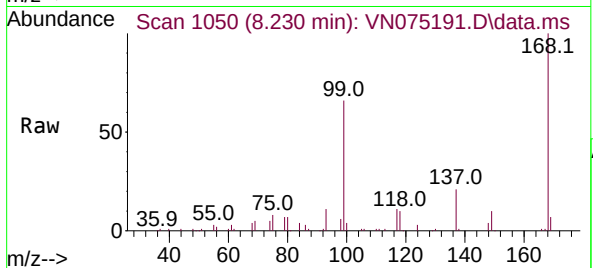
Tgt Ion: 75 Resp: 8475

Ion Ratio Lower Upper

75 100

110 11.4 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 9.124 ug/l

RT: 7.571 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN075191.D

Acq: 07 Nov 2022 16:34

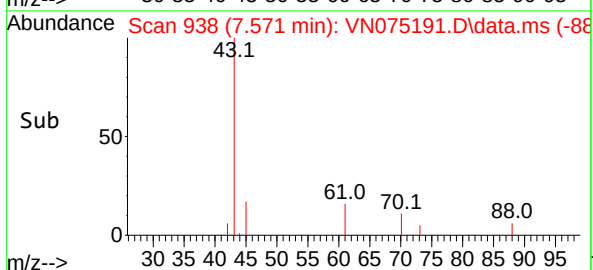
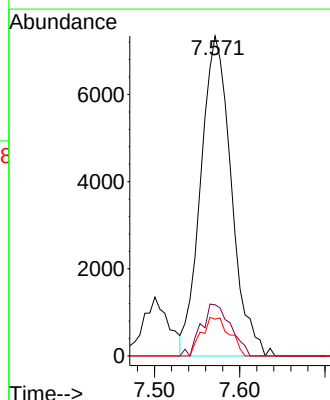
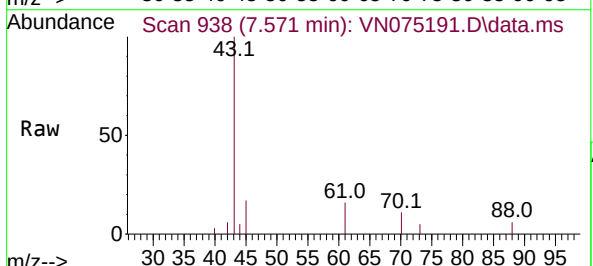
Tgt Ion: 43 Resp: 18260

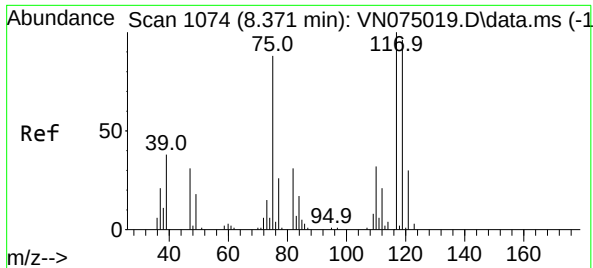
Ion Ratio Lower Upper

43 100

61 15.6 12.2 18.4

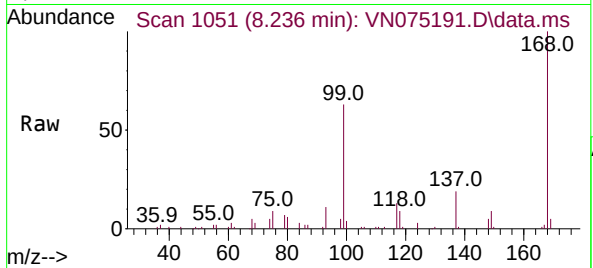
70 10.9 9.4 14.2



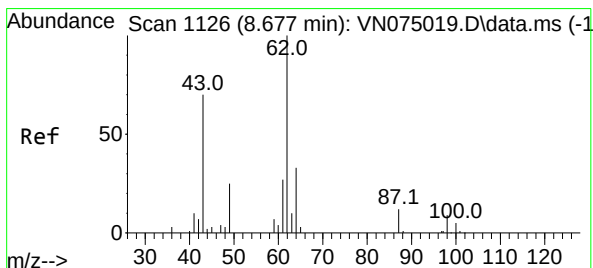
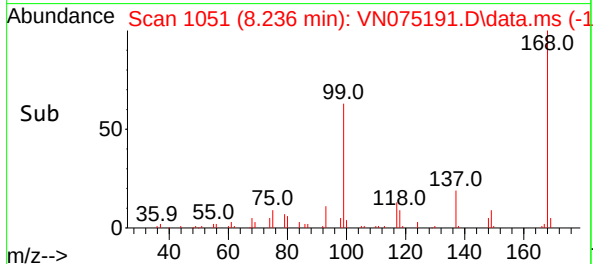
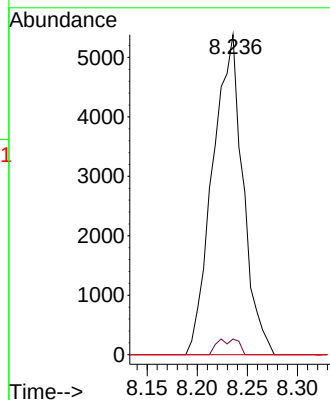


#38
Carbon Tetrachloride
Concen: 5.653 ug/l
RT: 8.236 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#03

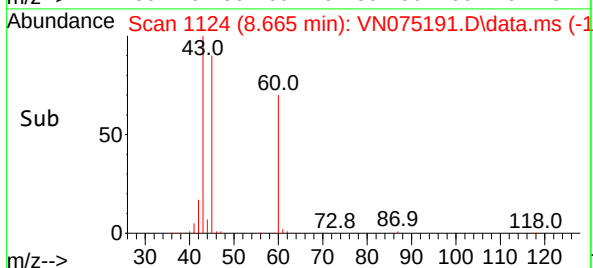
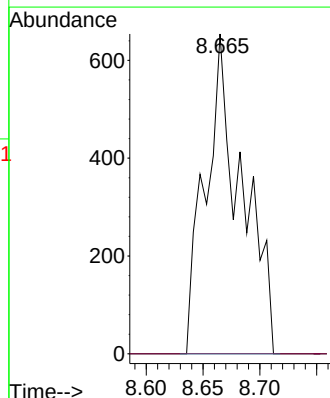
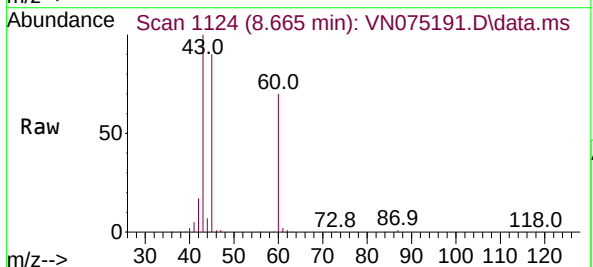


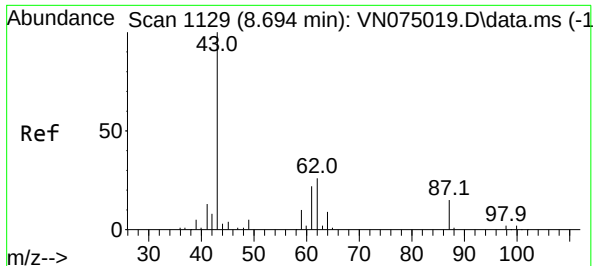
Tgt Ion:117 Resp: 11347
Ion Ratio Lower Upper
117 100
119 4.9 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.718 ug/l
RT: 8.665 min Scan# 1124
Delta R.T. -0.012 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

Tgt Ion: 62 Resp: 1460
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

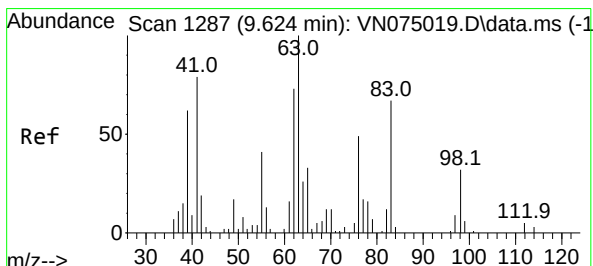
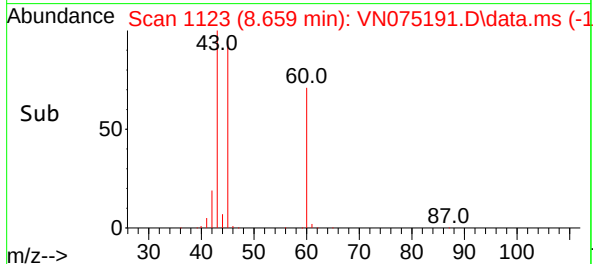
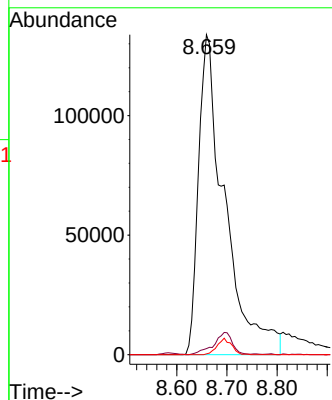
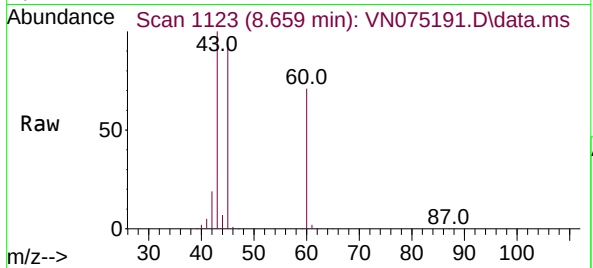




#43
Isopropyl Acetate
Concen: 156.352 ug/l
RT: 8.659 min Scan# 1123
Delta R.T. -0.035 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

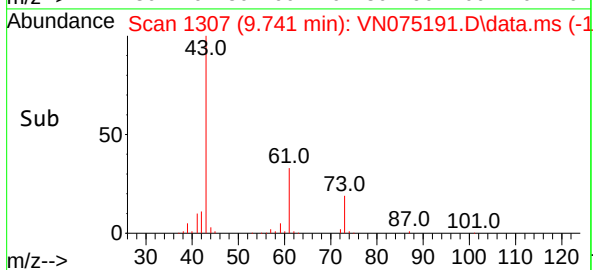
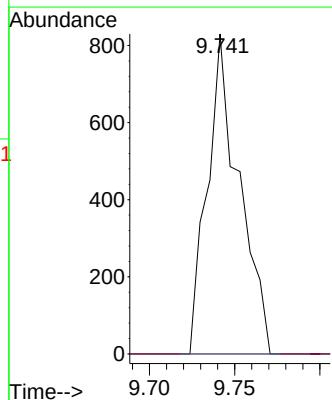
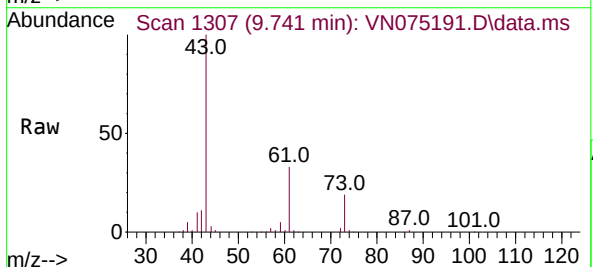
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#03

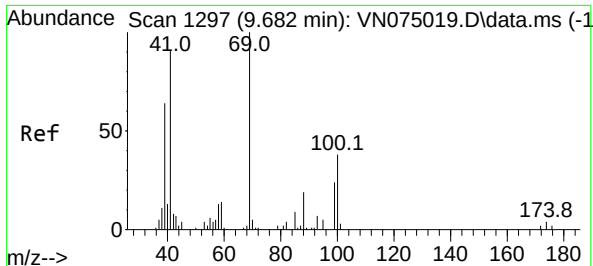
Tgt Ion: 43 Resp: 485347
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.806 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

Tgt Ion: 63 Resp: 1072
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

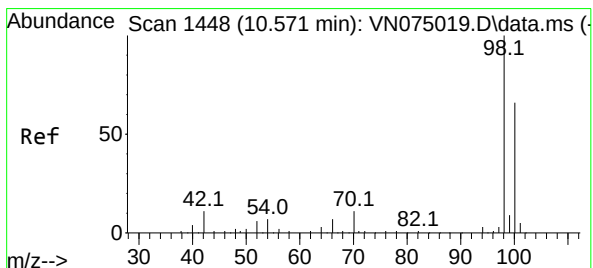
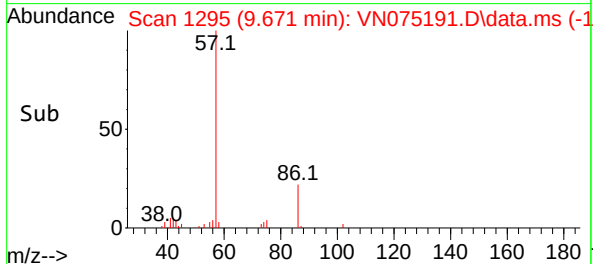
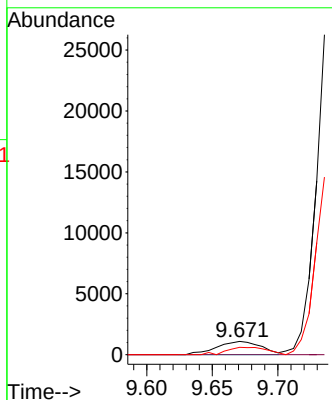
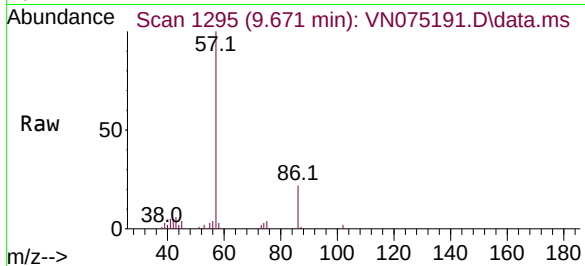




#48
Methyl methacrylate
Concen: 1.801 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. -0.011 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

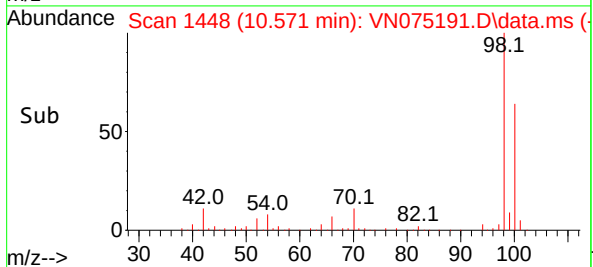
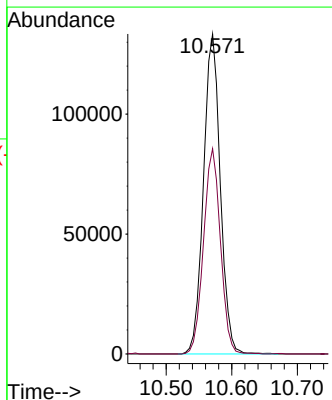
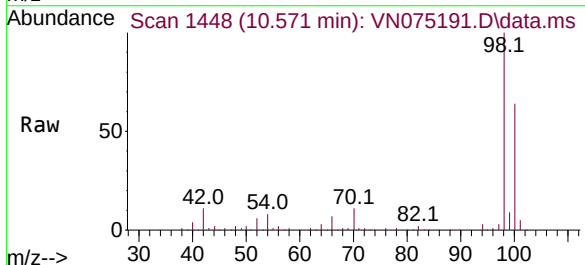
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#03

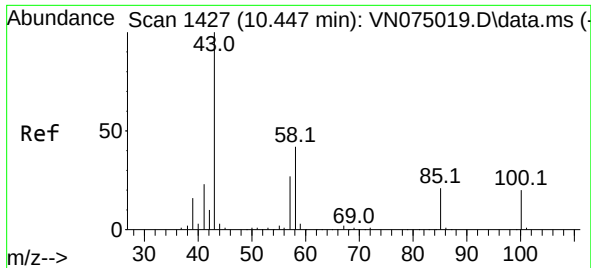
Tgt Ion: 41 Resp: 2565
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 50.5 56.2 84.2#



#50
Toluene-d8
Concen: 52.050 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

Tgt Ion: 98 Resp: 238025
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.6

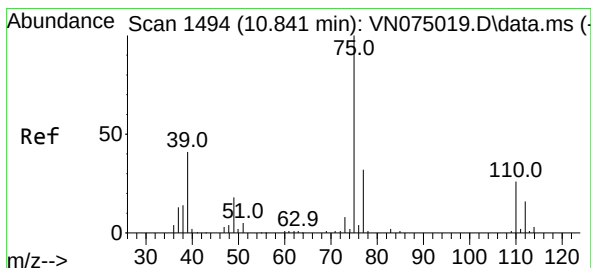
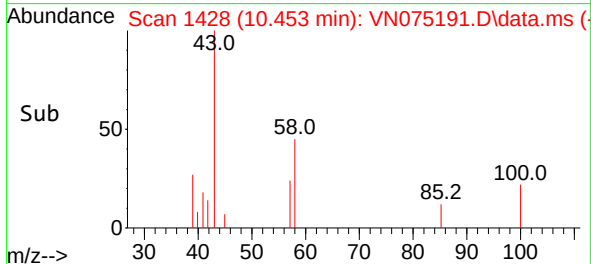
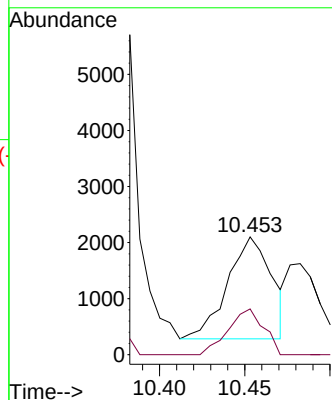
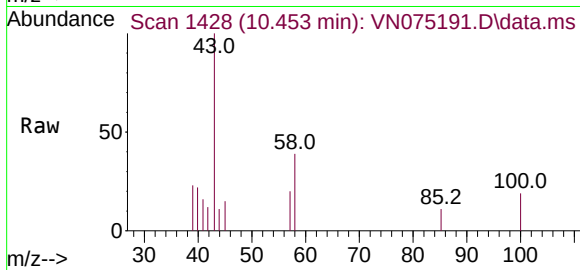




#51
4-Methyl-2-Pentanone
Concen: 1.634 ug/l
RT: 10.453 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

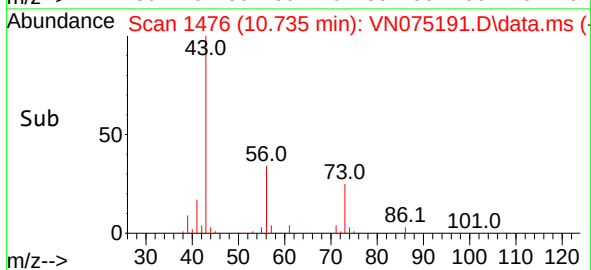
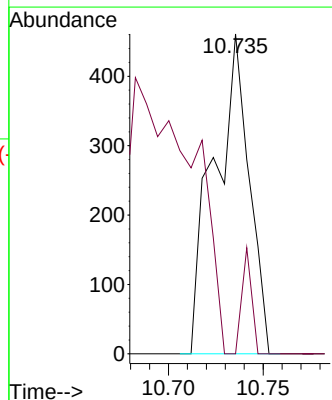
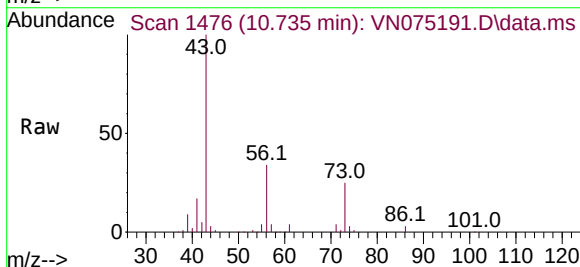
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#03

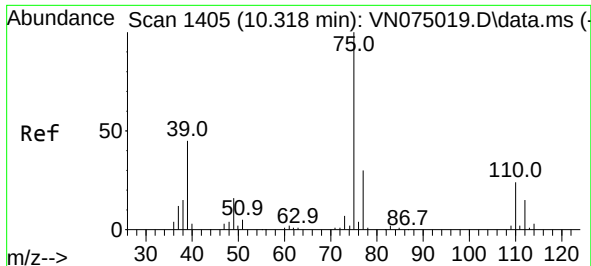
Tgt Ion: 43 Resp: 3274
Ion Ratio Lower Upper
43 100
58 36.2 33.6 50.4



#53
t-1,3-Dichloropropene
Concen: 0.280 ug/l
RT: 10.735 min Scan# 1476
Delta R.T. -0.106 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

Tgt Ion: 75 Resp: 592
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

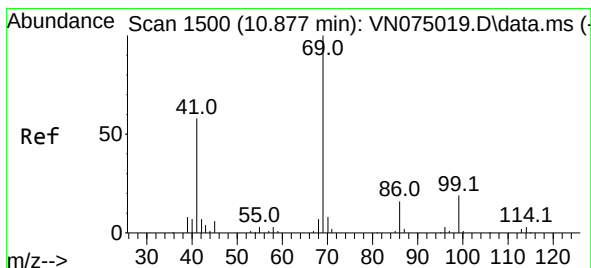
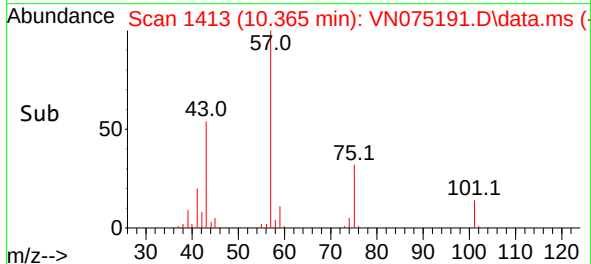
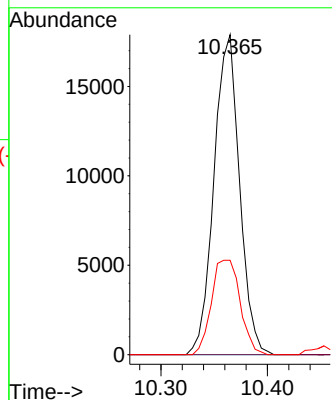
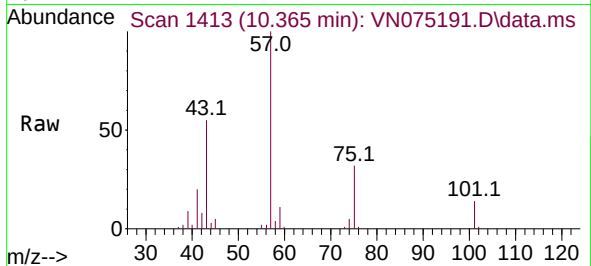




#54
cis-1,3-Dichloropropene
Concen: 13.258 ug/l
RT: 10.365 min Scan# 1405
Delta R.T. 0.047 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

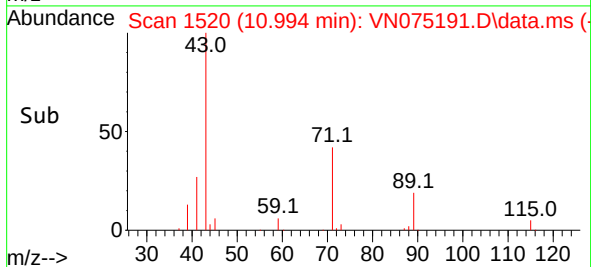
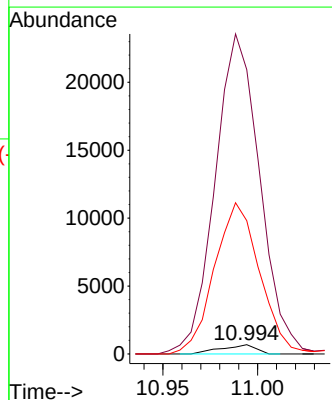
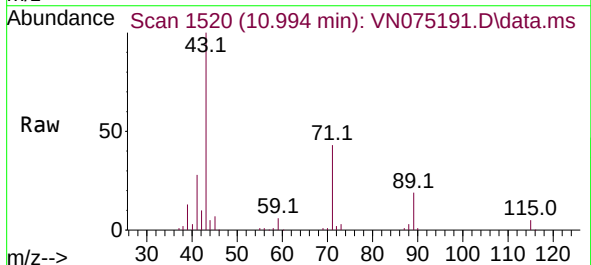
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#03

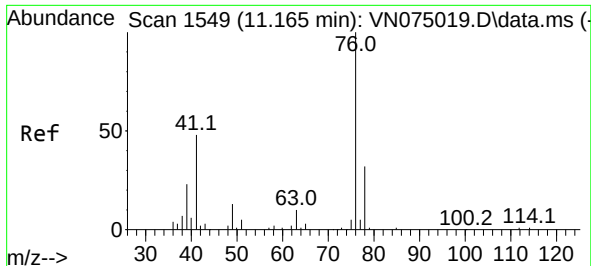
Tgt Ion: 75 Resp: 29776
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 29.5 35.8 53.6#



#56
Ethyl methacrylate
Concen: 0.386 ug/l
RT: 10.994 min Scan# 1520
Delta R.T. 0.117 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

Tgt Ion: 69 Resp: 871
Ion Ratio Lower Upper
69 100
41 4473.2 45.6 68.4#
39 2149.4 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.810 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075191.D

Acq: 07 Nov 2022 16:34

Instrument :

MSVOA_N

ClientSampleId :

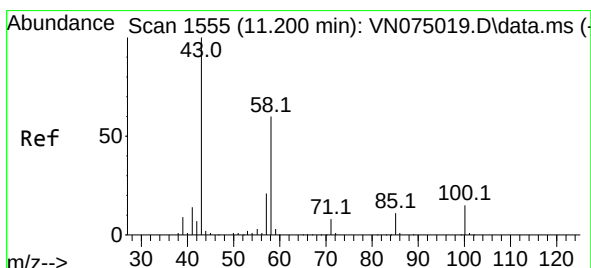
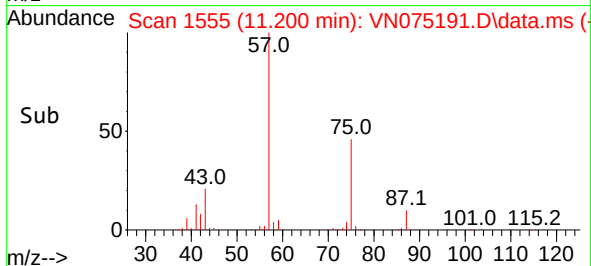
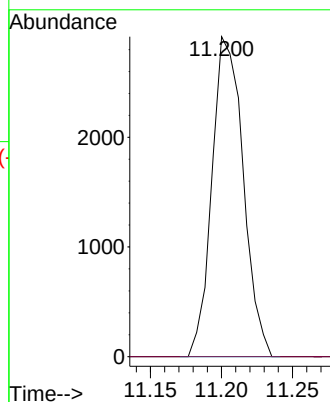
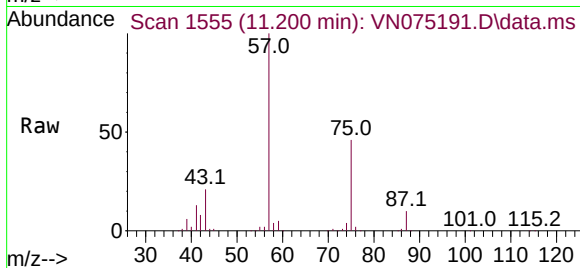
PB148848ZHE#03

Tgt Ion: 76 Resp: 4463

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 28.907 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN075191.D

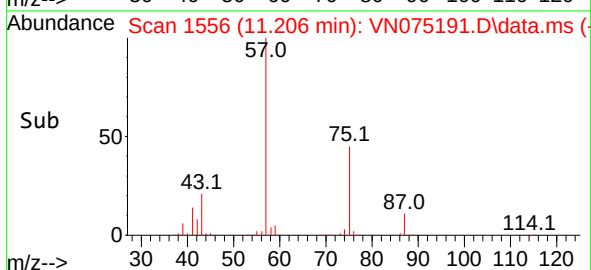
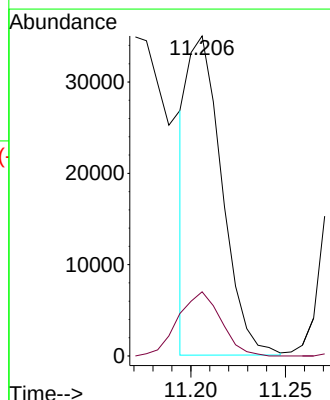
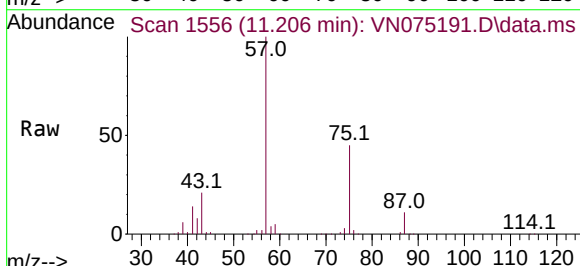
Acq: 07 Nov 2022 16:34

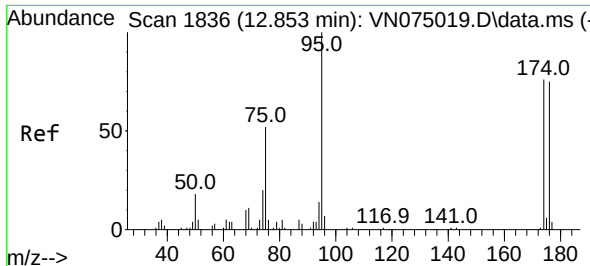
Tgt Ion: 43 Resp: 43948

Ion Ratio Lower Upper

43 100

58 25.3 29.6 88.8#

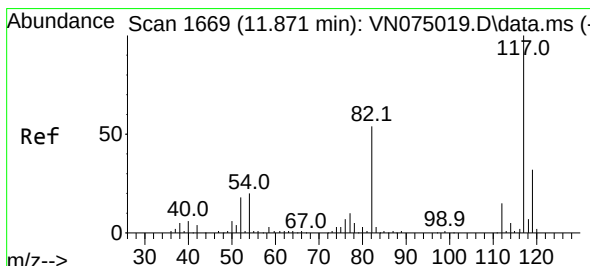
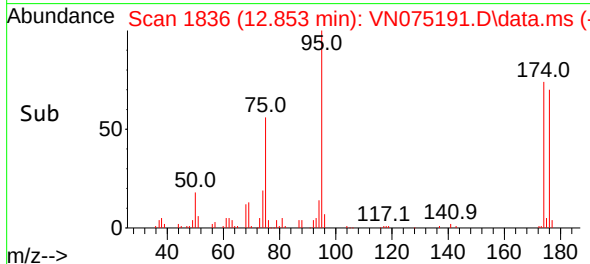
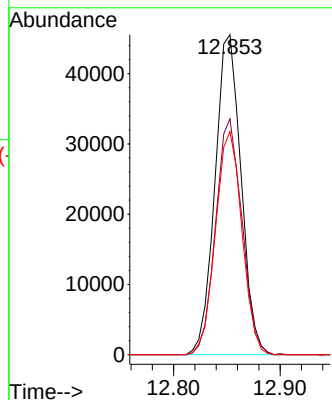
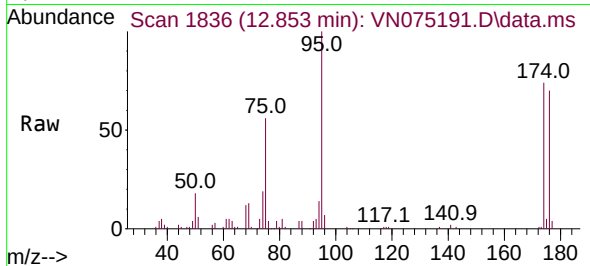




#62
4-Bromofluorobenzene
Concen: 48.135 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

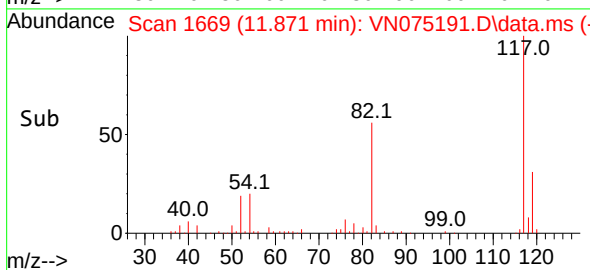
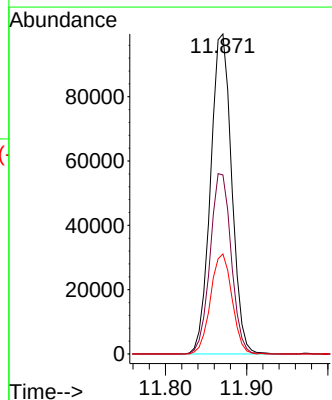
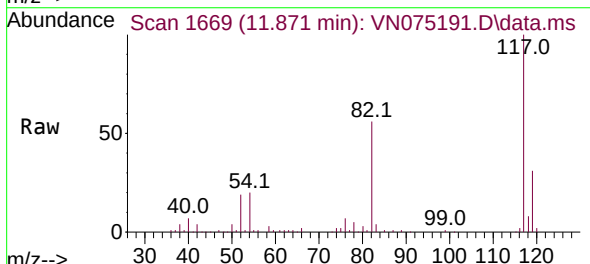
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#03

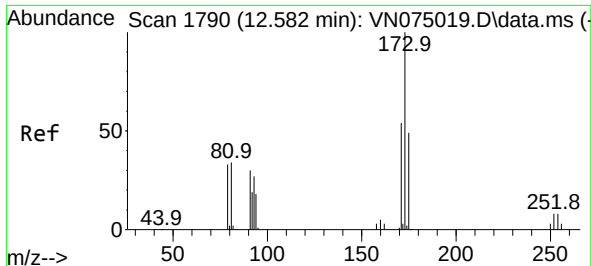
Tgt Ion: 95 Resp: 77324
Ion Ratio Lower Upper
95 100
174 74.4 0.0 147.4
176 70.7 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

Tgt Ion: 117 Resp: 180068
Ion Ratio Lower Upper
117 100
82 56.0 43.1 64.7
119 31.2 25.5 38.3

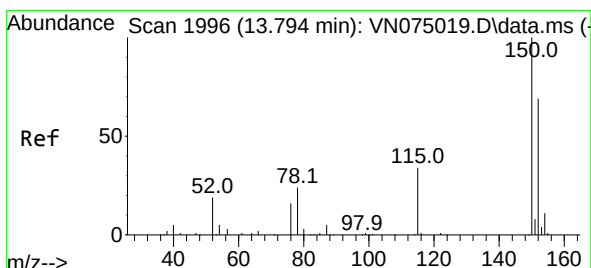
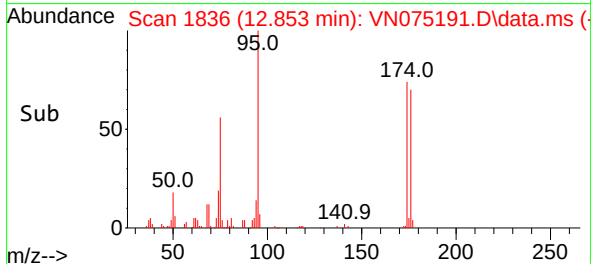
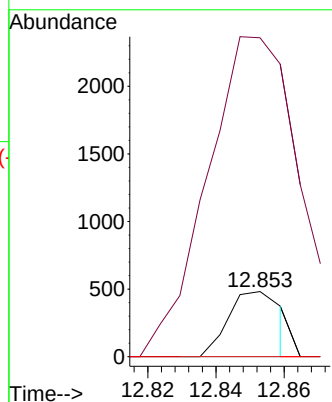
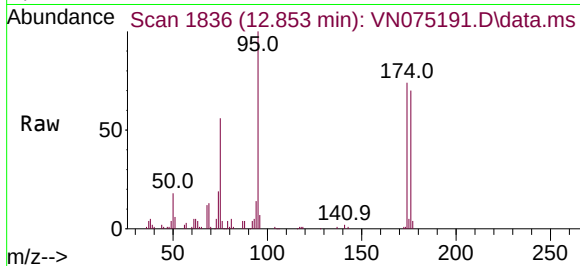




#71
Bromoform
Concen: 0.488 ug/l
RT: 12.853 min Scan# 1790
Delta R.T. 0.271 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

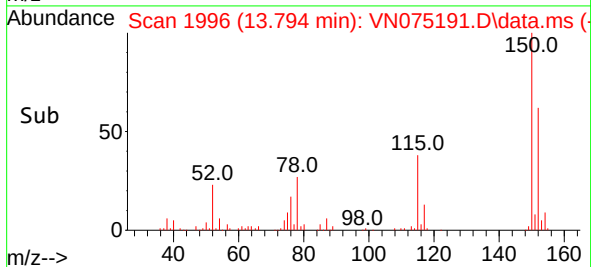
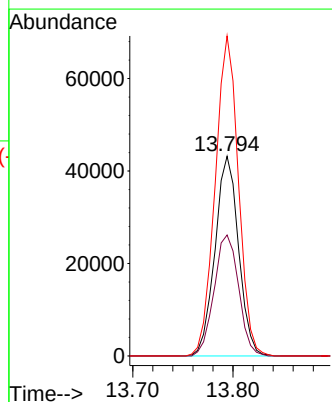
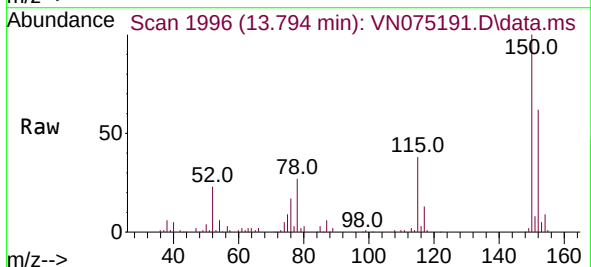
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#03

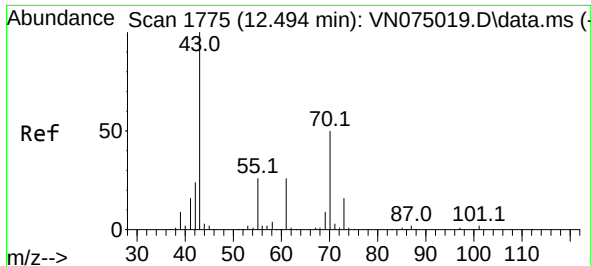
Tgt Ion:173 Resp: 521
Ion Ratio Lower Upper
173 100
175 705.2 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

Tgt Ion:152 Resp: 70435
Ion Ratio Lower Upper
152 100
115 63.0 30.2 90.6
150 157.9 0.0 348.4

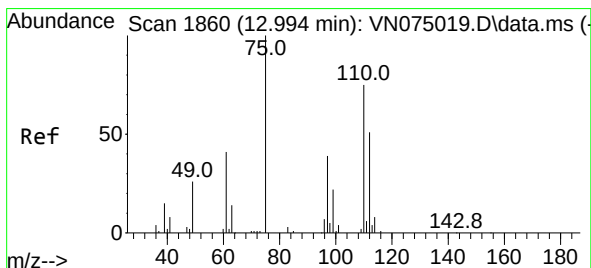
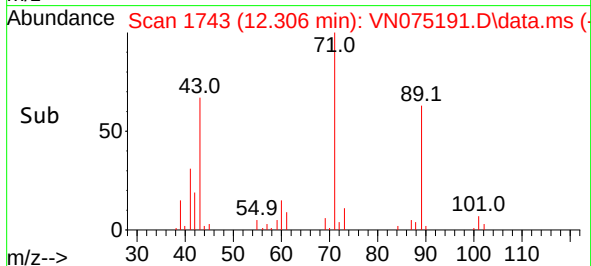
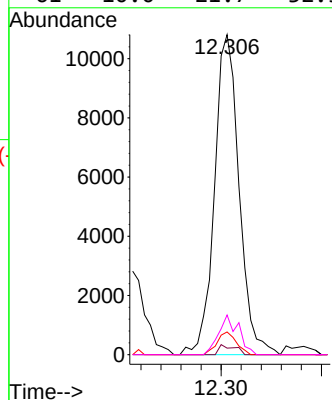
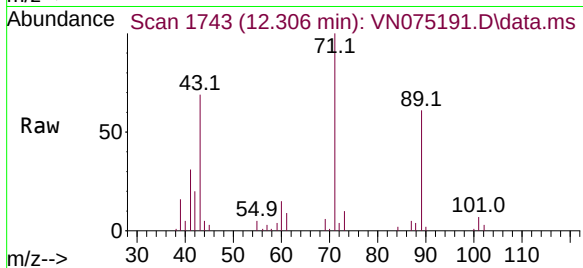




#74
N-amy1 acetate
Concen: 8.808 ug/l
RT: 12.306 min Scan# 1836
Delta R.T. -0.188 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

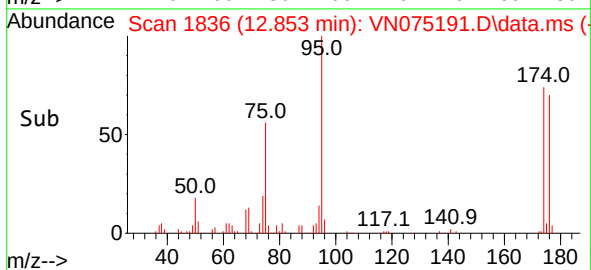
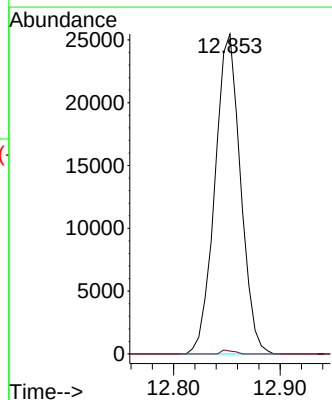
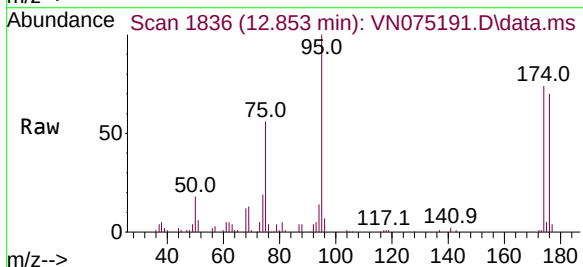
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#03

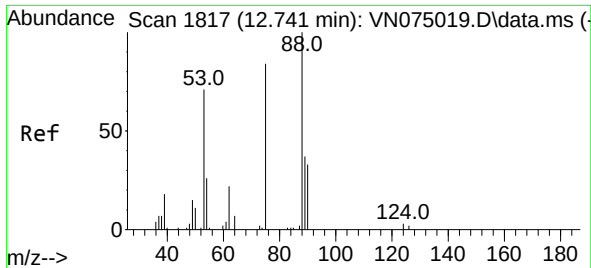
Tgt Ion: 43	Resp: 18421
Ion Ratio	Lower Upper
43 100	
70 2.0	39.8 59.8#
55 5.6	19.9 29.9#
61 10.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 28.435 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

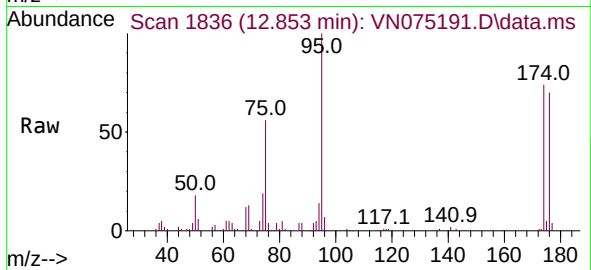
Tgt Ion: 75	Resp: 42525
Ion Ratio	Lower Upper
75 100	
77 0.6	75.6 226.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 72.992 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075191.D
Acq: 07 Nov 2022 16:34

Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#03



Tgt Ion: 75 Resp: 42525
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

