

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110922\
 Data File : VN075216.D
 Acq On : 09 Nov 2022 14:41
 Operator : JC\MD
 Sample : PB148908ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148908ZHE#02

Quant Time: Nov 10 02:42:51 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)

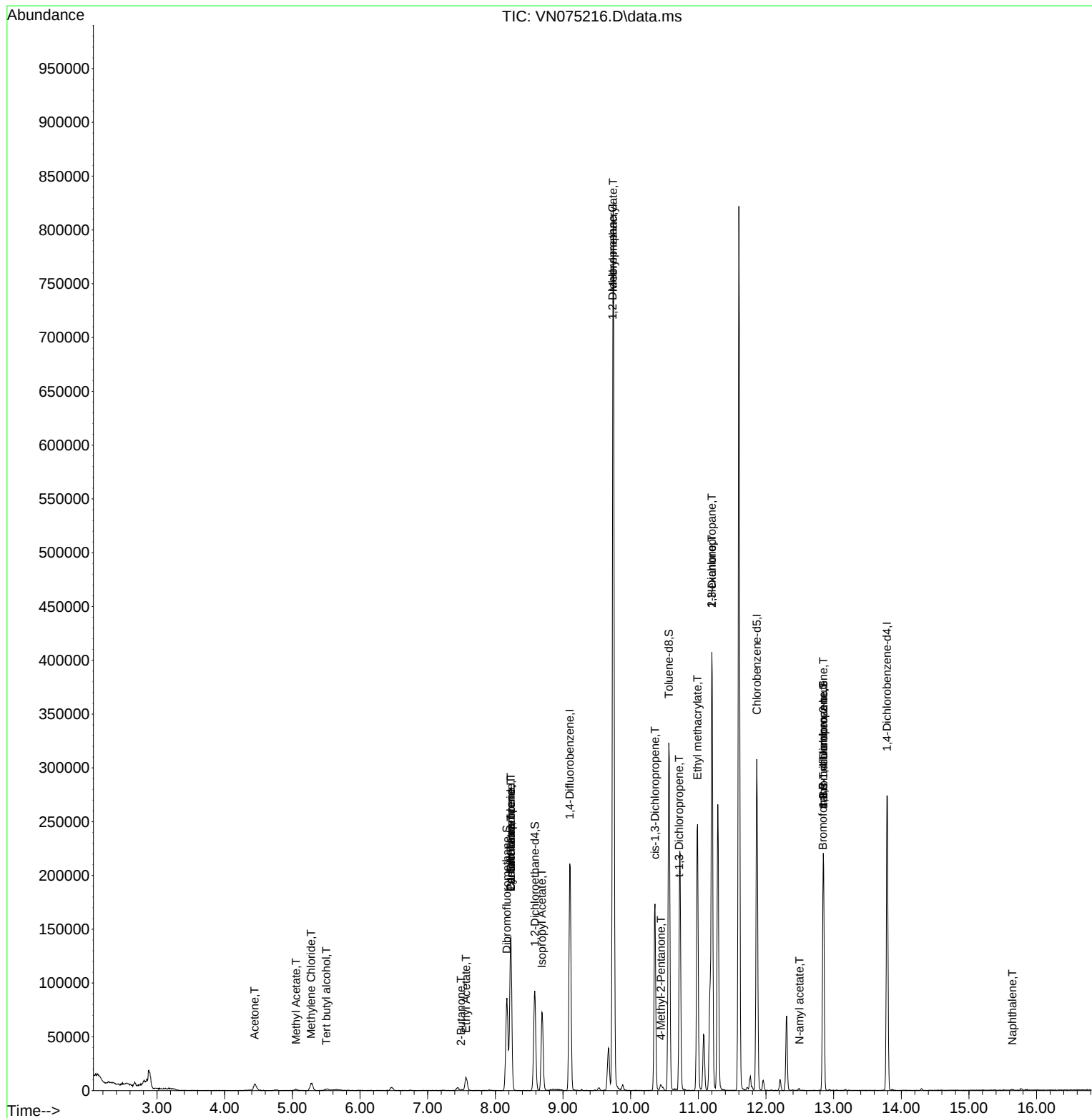
Internal Standards						
1) Pentafluorobenzene	8.230	168	102959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	193354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	182329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	75496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	75829	54.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.320%			
35) Dibromofluoromethane	8.171	113	63035	55.533	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.060%			
50) Toluene-d8	10.565	98	230495	52.340	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.680%			
62) 4-Bromofluorobenzene	12.847	95	79254	51.231	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.460%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.918	94	183	Below Cal	#	5
11) Tert butyl alcohol	5.500	59	1332	4.117	ug/l #	72
16) Acetone	4.442	43	12374	21.066	ug/l #	88
18) Methyl Acetate	5.053	43	2298	1.198	ug/l #	70
20) Methylene Chloride	5.277	84	3281	2.505	ug/l	90
25) 2-Butanone	7.494	43	1535	1.661	ug/l #	43
31) Cyclohexane	8.230	56	2126	1.030	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	9180	5.224	ug/l #	49
37) Ethyl Acetate	7.565	43	18092	9.388	ug/l	99
38) Carbon Tetrachloride	8.230	117	12102	6.261	ug/l #	16
43) Isopropyl Acetate	8.688	43	80614	26.967	ug/l #	91
45) 1,2-Dichloropropane	9.735	63	1302	1.017	ug/l #	42
48) Methyl methacrylate	9.741	41	73159	53.352	ug/l #	34
51) 4-Methyl-2-Pentanone	10.447	43	5875	3.046	ug/l #	70
53) t-1,3-Dichloropropene	10.718	75	573	0.281	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	34006	15.723	ug/l #	64
56) Ethyl methacrylate	10.988	69	679	0.312	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4740	1.996	ug/l #	42
59) 2-Hexanone	11.200	43	48352	33.026	ug/l #	53
71) Bromoform	12.841	173	426	0.394	ug/l #	1
74) N-amyl acetate	12.494	43	721	0.322	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.847	83	56	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.847	75	40521	25.279	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	40521	64.890	ug/l #	10
95) Naphthalene	15.641	128	1464	0.341	ug/l #	69

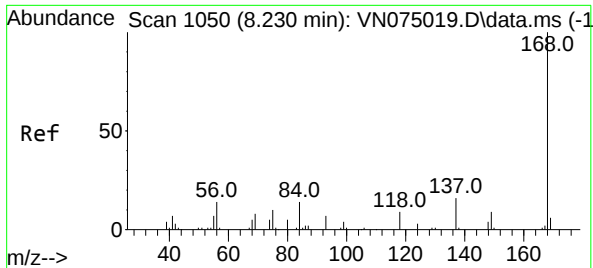
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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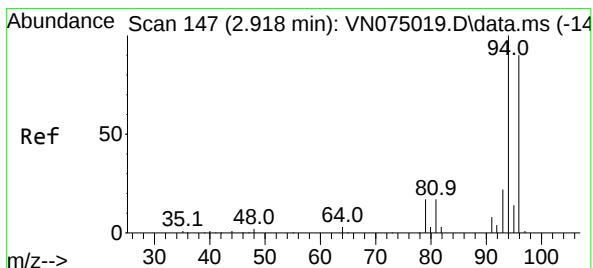
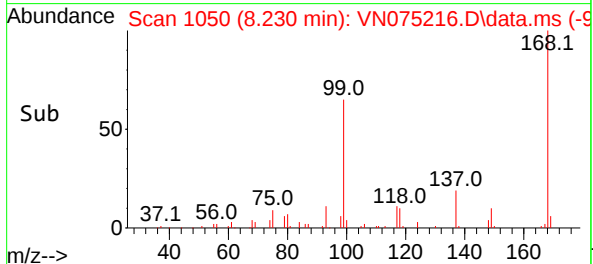
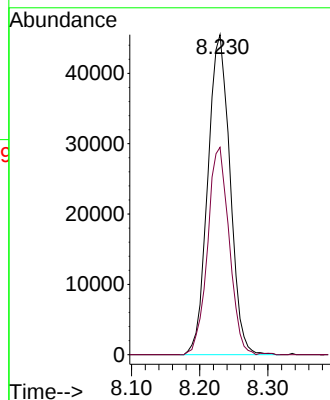
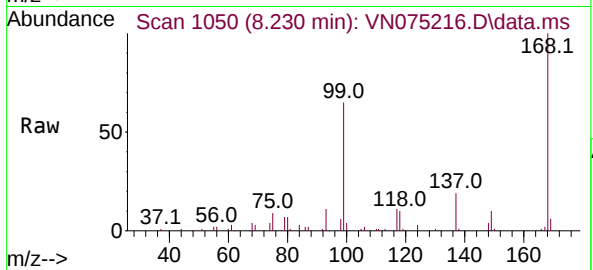




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

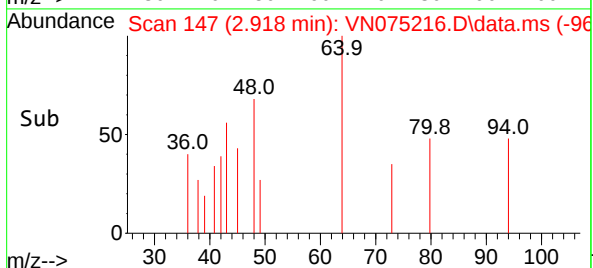
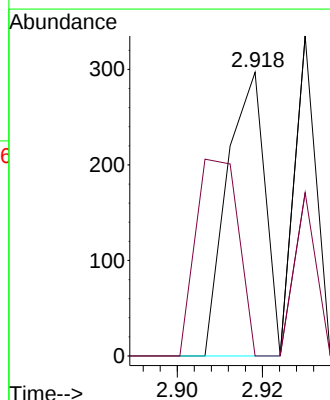
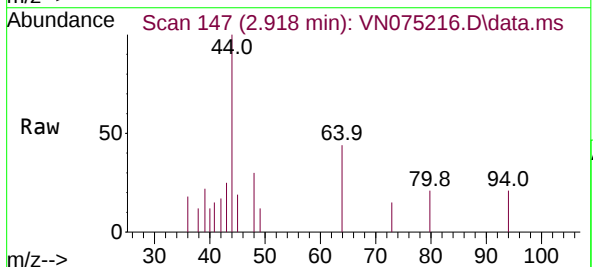
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#02

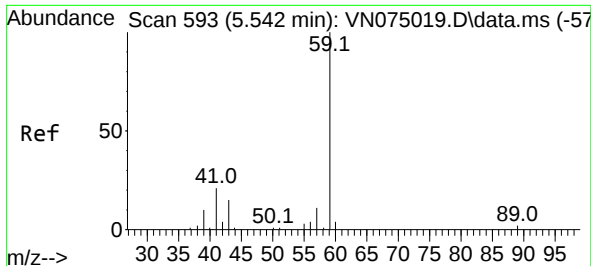
Tgt Ion:168 Resp: 102959
Ion Ratio Lower Upper
168 100
99 64.8 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

Tgt Ion: 94 Resp: 183
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

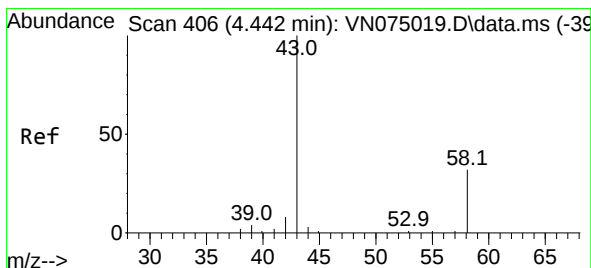
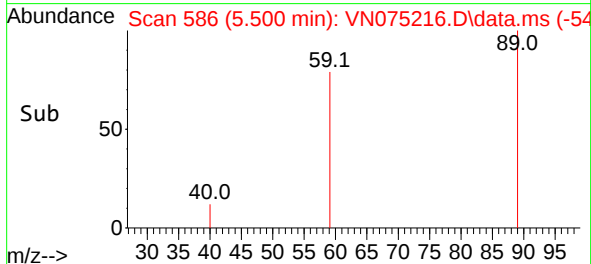
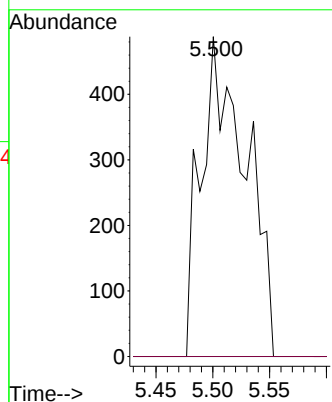
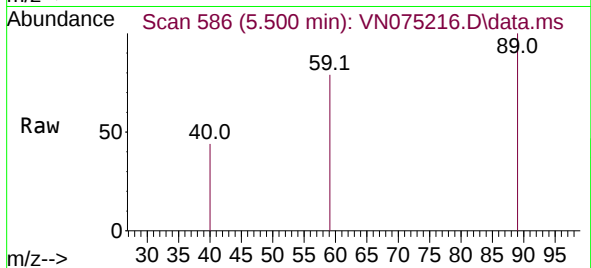




#11
Tert butyl alcohol
Concen: 4.117 ug/l
RT: 5.500 min Scan# 51
Delta R.T. -0.042 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

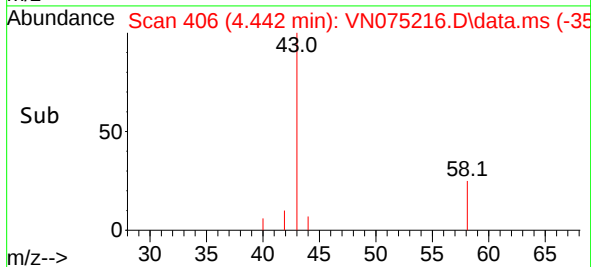
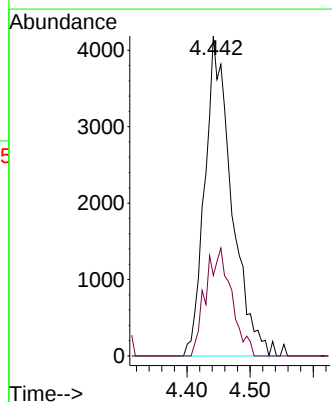
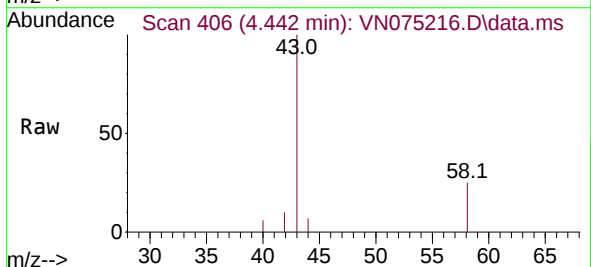
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#02

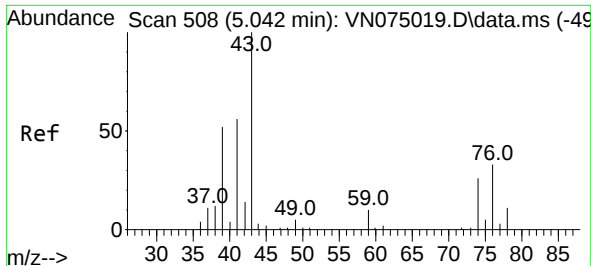
Tgt Ion: 59 Resp: 1332
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 21.066 ug/l
RT: 4.442 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

Tgt Ion: 43 Resp: 12374
Ion Ratio Lower Upper
43 100
58 25.1 25.5 38.3#

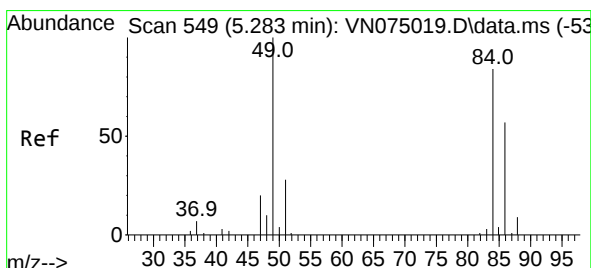
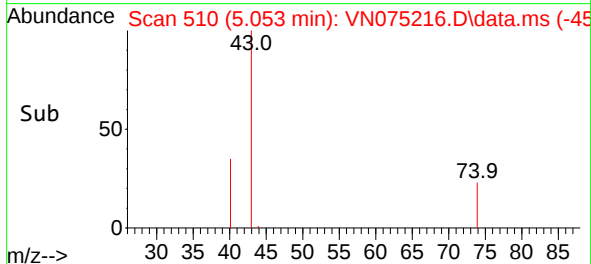
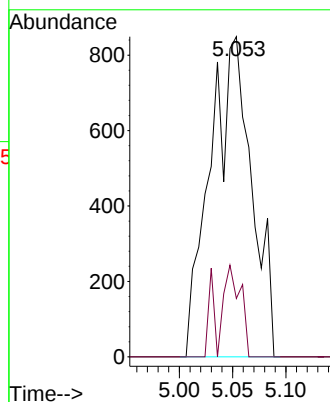
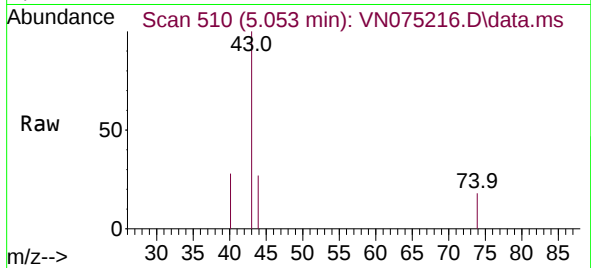




#18
Methyl Acetate
Concen: 1.198 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.011 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

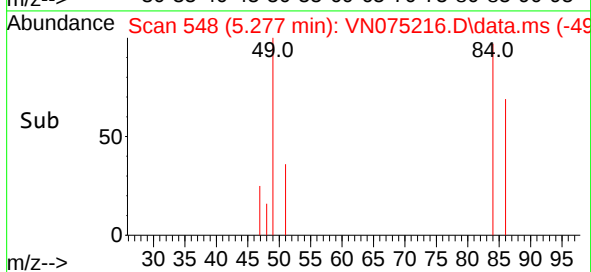
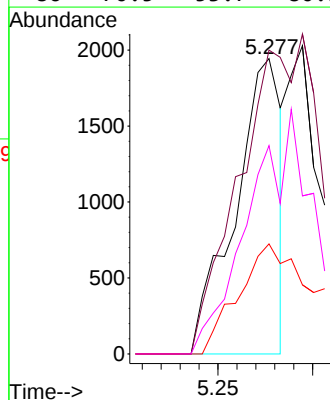
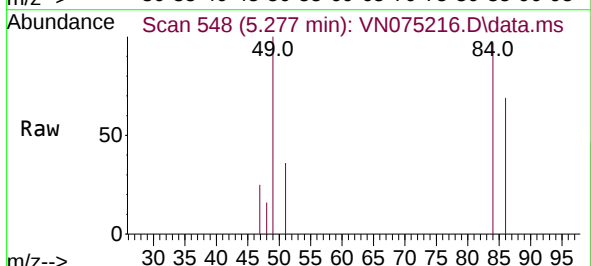
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#02

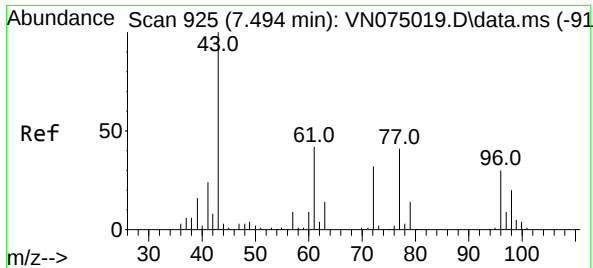
Tgt Ion: 43 Resp: 2298
Ion Ratio Lower Upper
43 100
74 11.6 22.0 33.0#



#20
Methylene Chloride
Concen: 2.505 ug/l
RT: 5.277 min Scan# 548
Delta R.T. -0.006 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

Tgt Ion: 84 Resp: 3281
Ion Ratio Lower Upper
84 100
49 102.9 94.9 142.3
51 37.3 26.8 40.2
86 70.5 53.7 80.5

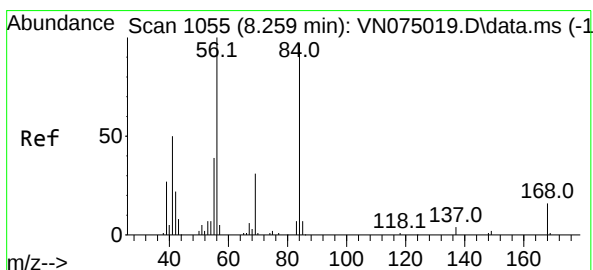
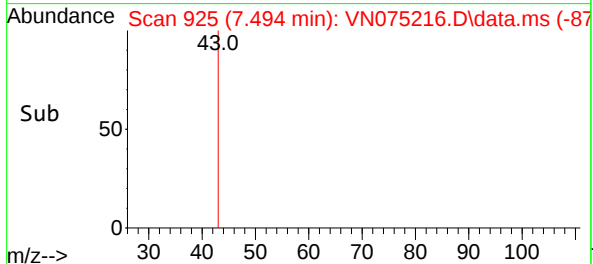
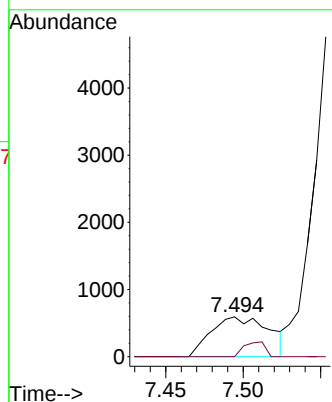
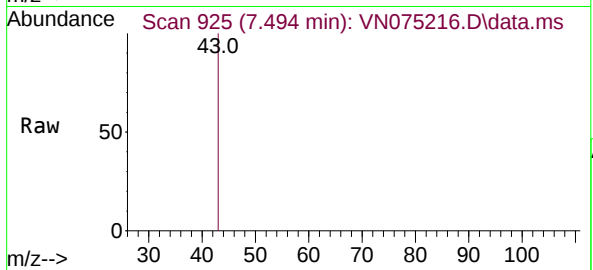




#25
2-Butanone
Concen: 1.661 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

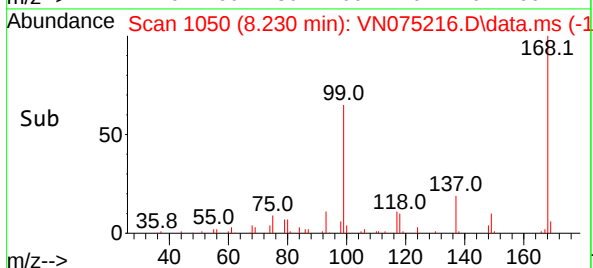
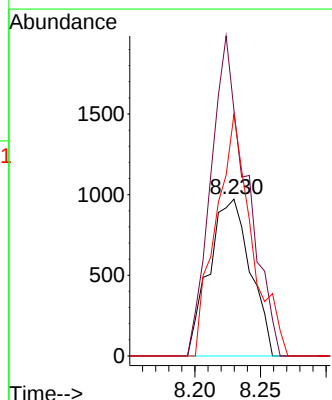
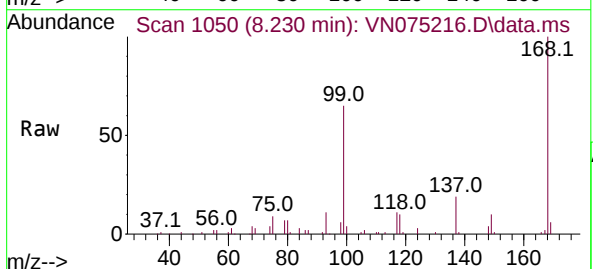
Instrument :
MSVOA_N
ClientSampleId :
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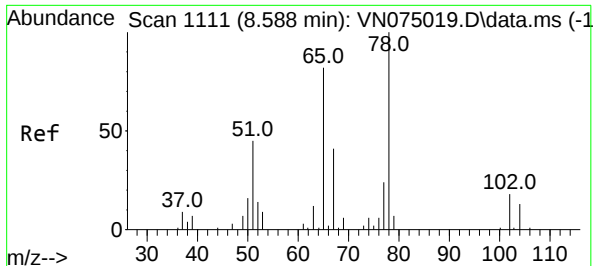
Tgt Ion: 43 Resp: 1535
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 1.030 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

Tgt Ion: 56 Resp: 2126
Ion Ratio Lower Upper
56 100
69 156.8 25.2 37.8#
84 154.1 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 54.661 ug/l

RT: 8.583 min Scan# 1111

Delta R.T. -0.005 min

Lab File: VN075216.D

Acq: 09 Nov 2022 14:41

Instrument :

MSVOA_N

ClientSampleId :

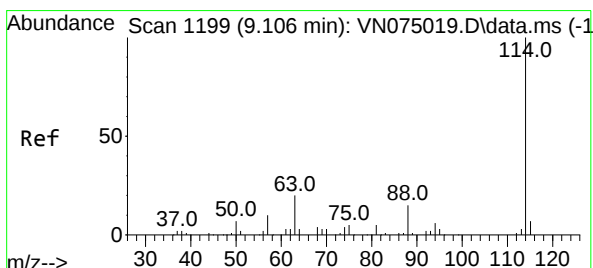
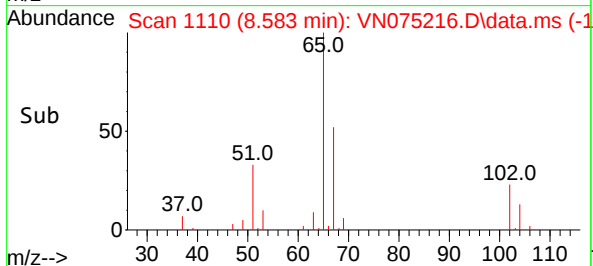
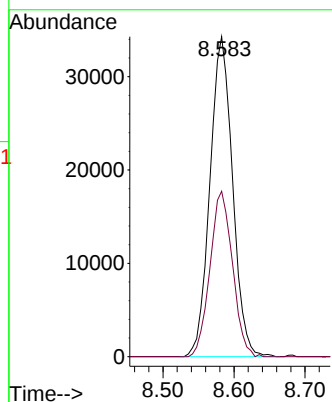
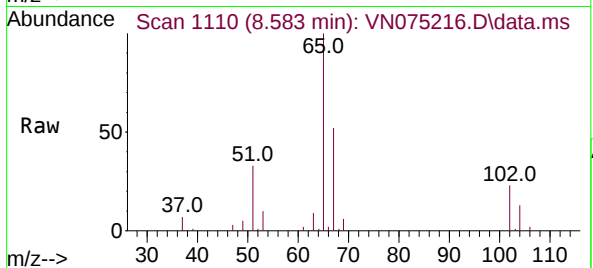
PB148908ZHE#02

Tgt Ion: 65 Resp: 75829

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1198

Delta R.T. -0.006 min

Lab File: VN075216.D

Acq: 09 Nov 2022 14:41

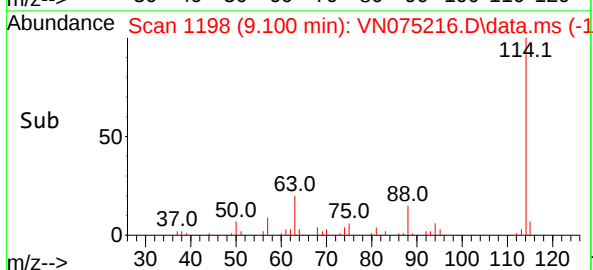
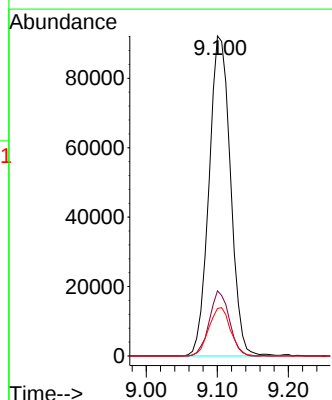
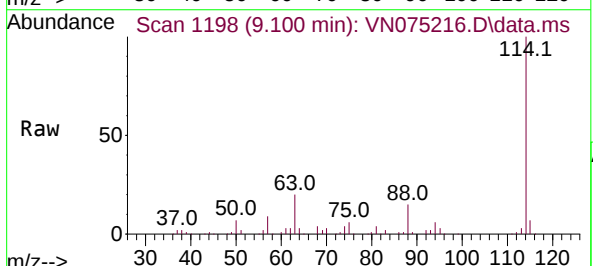
Tgt Ion: 114 Resp: 193354

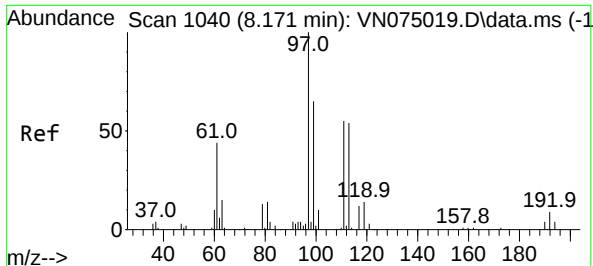
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

88 14.9 0.0 29.0

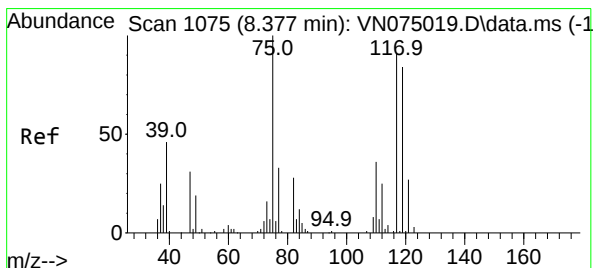
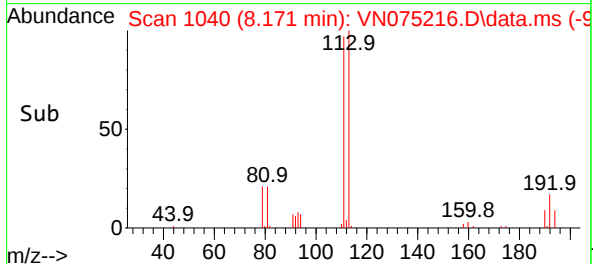
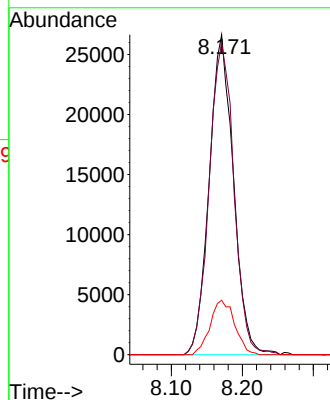
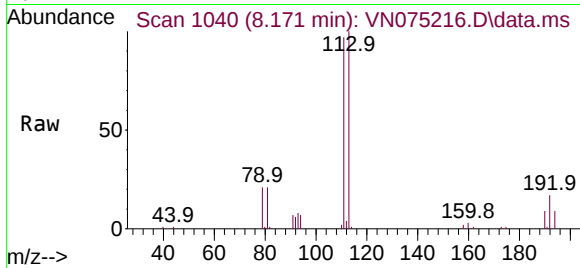




#35
Dibromofluoromethane
Concen: 55.533 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

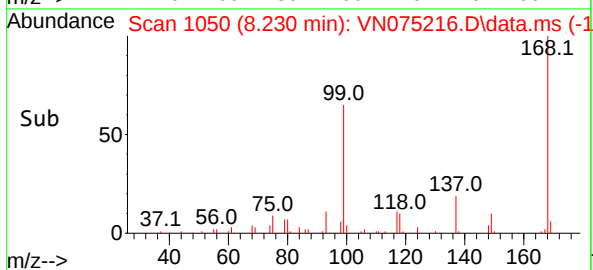
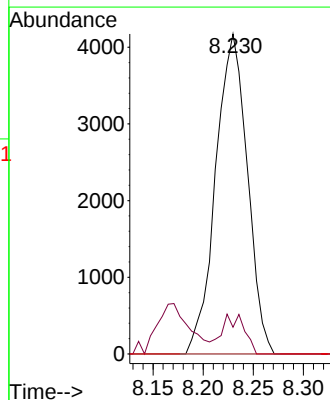
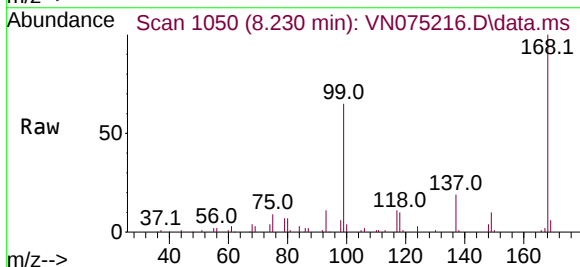
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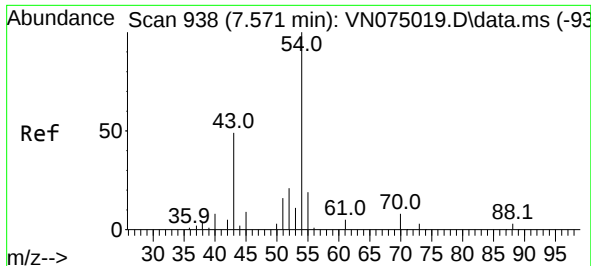
Tgt Ion:113 Resp: 63035
Ion Ratio Lower Upper
113 100
111 99.4 80.5 120.7
192 17.3 13.2 19.8



#36
1,1-Dichloropropene
Concen: 5.224 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

Tgt Ion: 75 Resp: 9180
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.3#
77 0.0 24.6 37.0#

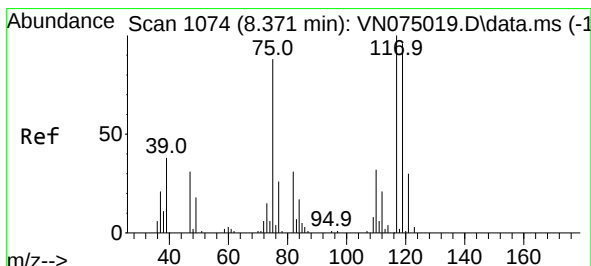
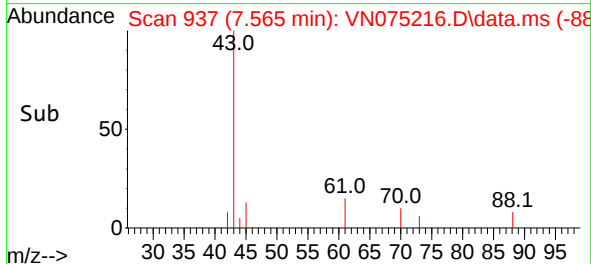
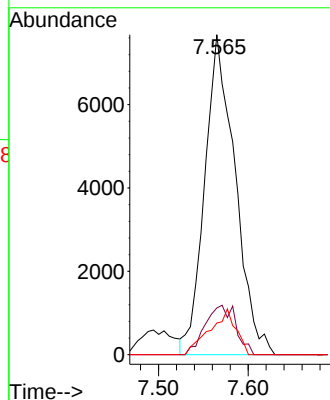
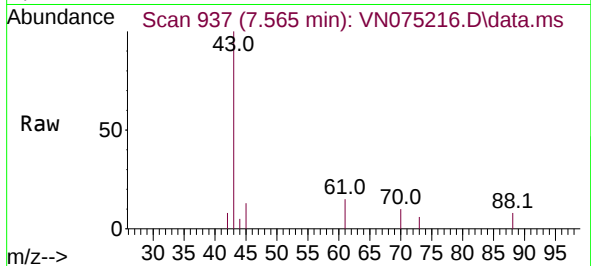




#37
Ethyl Acetate
Concen: 9.388 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

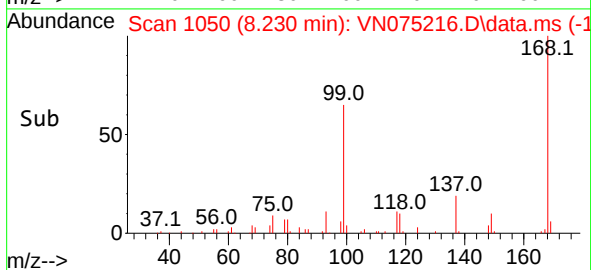
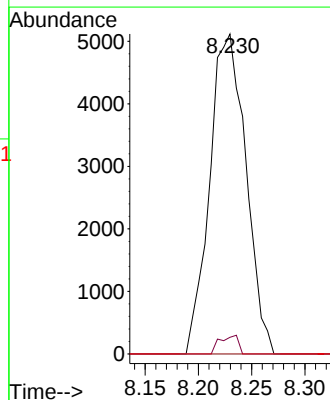
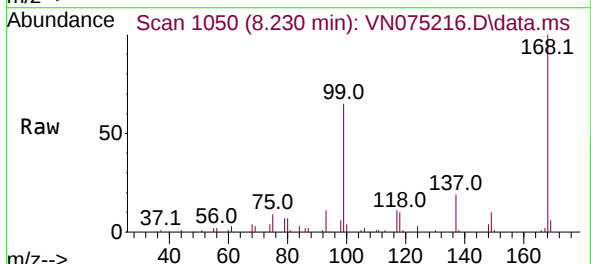
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#02

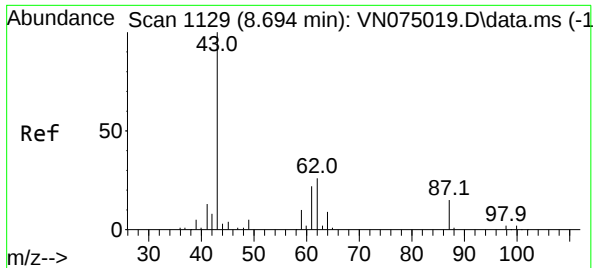
Tgt Ion: 43	Resp: 18092
Ion Ratio	Lower Upper
43 100	
61 15.6	12.2 18.4
70 12.2	9.4 14.2



#38
Carbon Tetrachloride
Concen: 6.261 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

Tgt Ion: 117	Resp: 12102
Ion Ratio	Lower Upper
117 100	
119 5.2	76.7 115.1#
121 0.0	23.9 35.9#

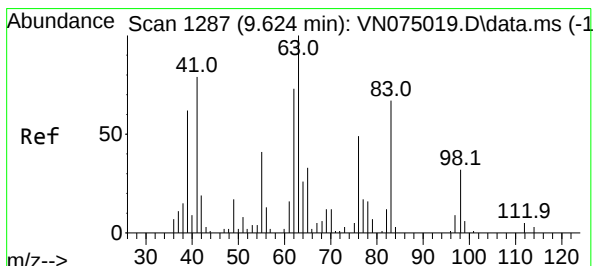
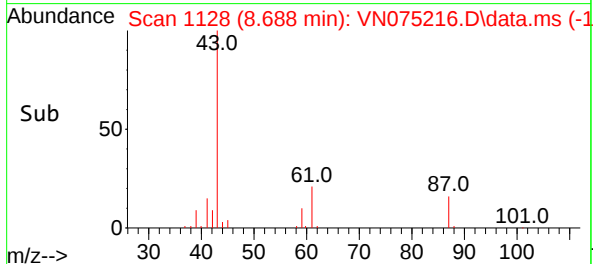
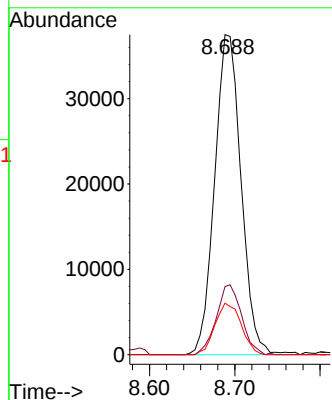
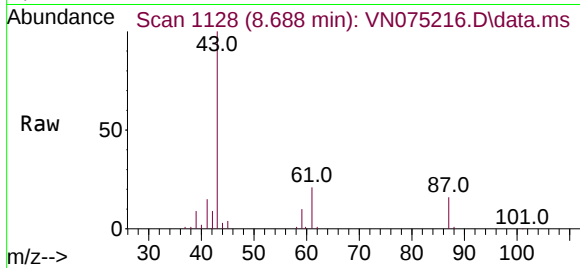




#43
Isopropyl Acetate
Concen: 26.967 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

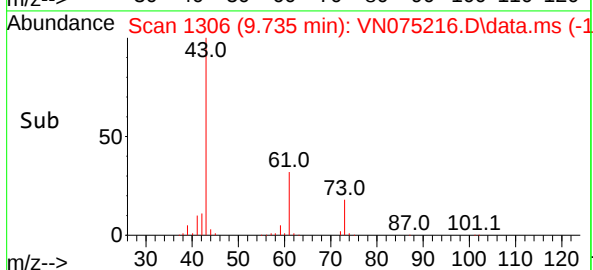
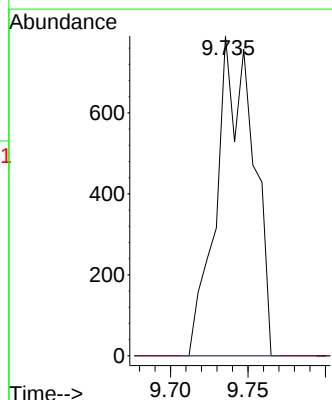
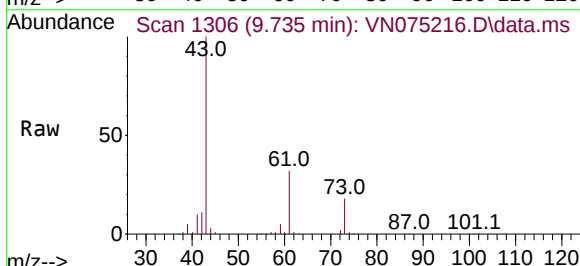
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#02

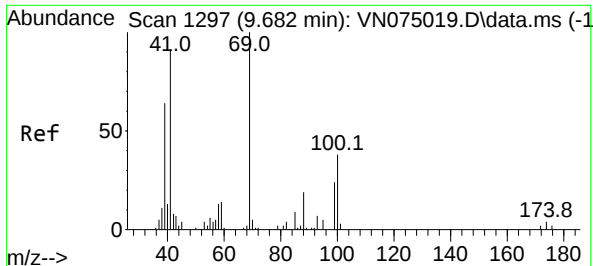
Tgt Ion: 43 Resp: 80614
Ion Ratio Lower Upper
43 100
61 20.9 22.4 33.6#
87 16.0 12.5 18.7



#45
1,2-Dichloropropane
Concen: 1.017 ug/l
RT: 9.735 min Scan# 1306
Delta R.T. 0.111 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

Tgt Ion: 63 Resp: 1302
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 53.352 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN075216.D

Acq: 09 Nov 2022 14:41

Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#02

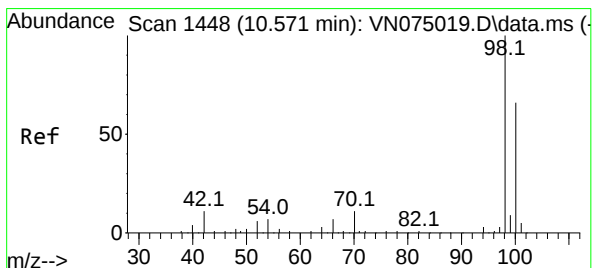
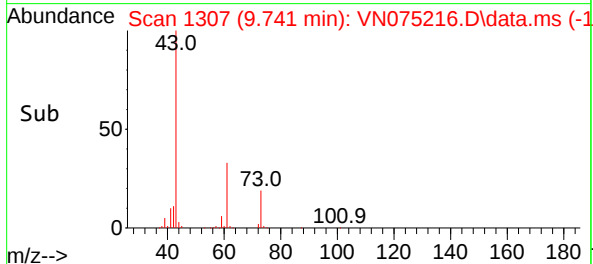
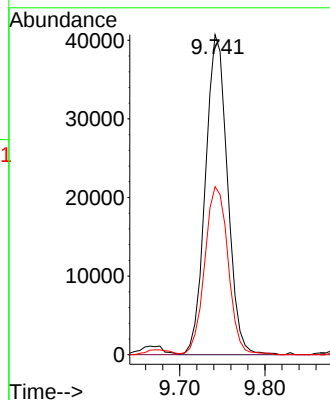
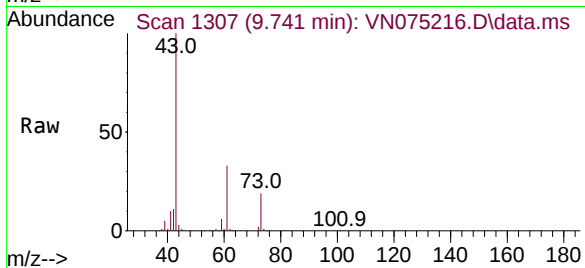
Tgt Ion: 41 Resp: 73159

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 55.7 56.2 84.2#



#50

Toluene-d8

Concen: 52.340 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN075216.D

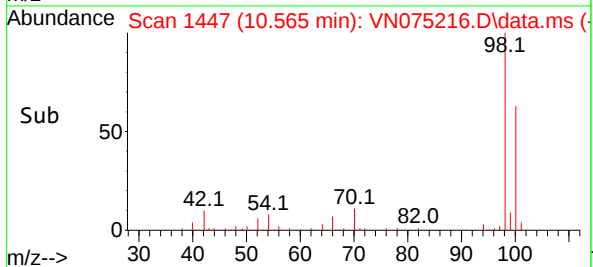
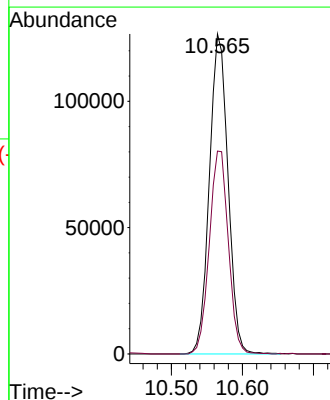
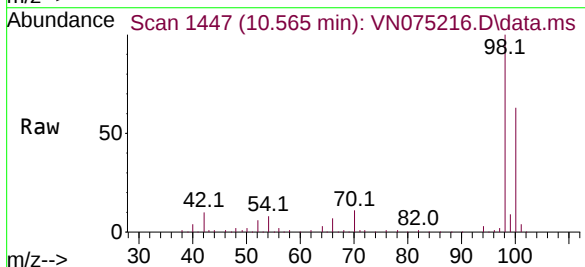
Acq: 09 Nov 2022 14:41

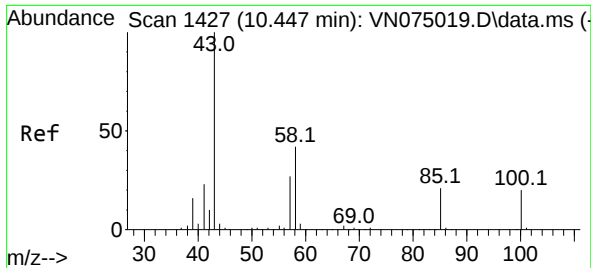
Tgt Ion: 98 Resp: 230495

Ion Ratio Lower Upper

98 100

100 64.7 53.0 79.6

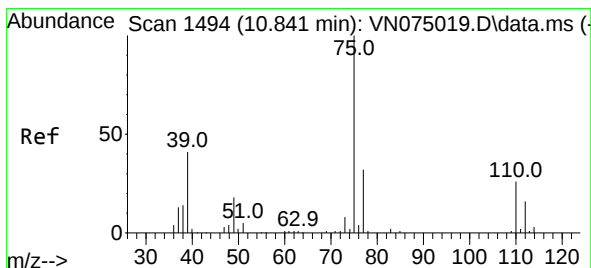
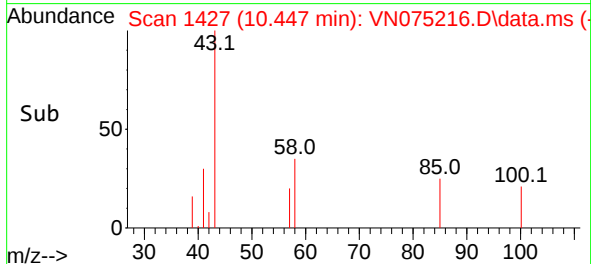
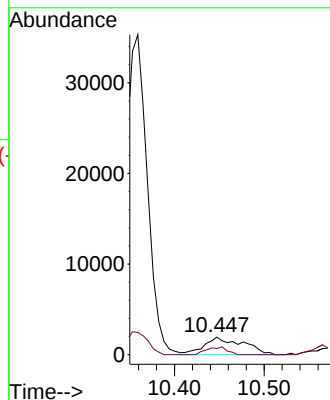
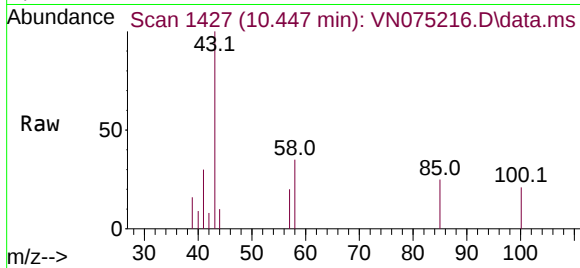




#51
4-Methyl-2-Pentanone
Concen: 3.046 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

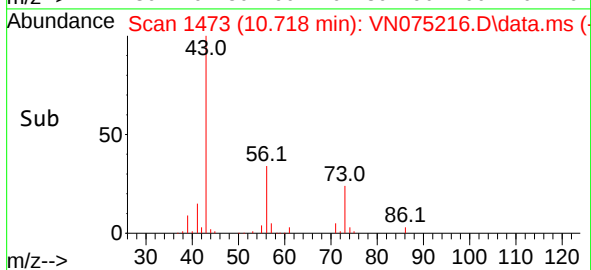
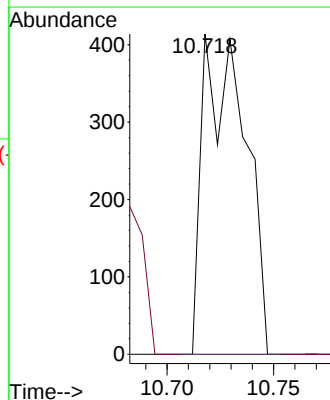
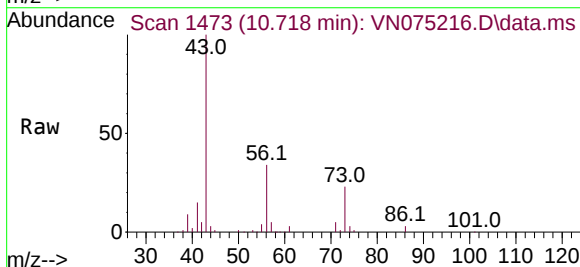
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#02

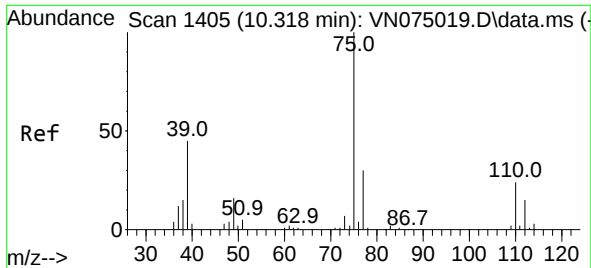
Tgt Ion: 43 Resp: 5875
Ion Ratio Lower Upper
43 100
58 22.9 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.281 ug/l
RT: 10.718 min Scan# 1473
Delta R.T. -0.123 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

Tgt Ion: 75 Resp: 573
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

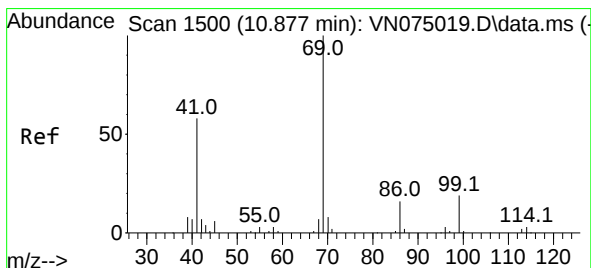
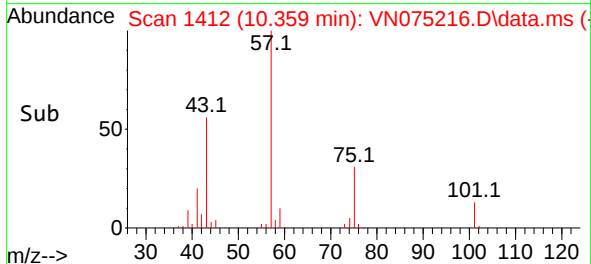
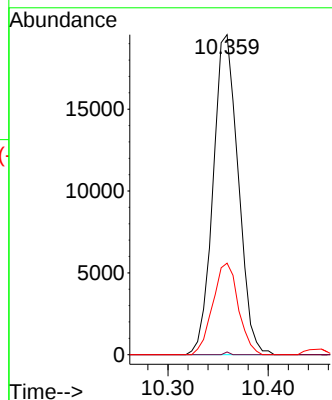
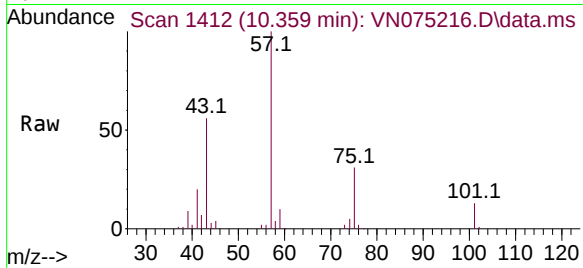




#54
 cis-1,3-Dichloropropene
 Concen: 15.723 ug/l
 RT: 10.359 min Scan# 1405
 Delta R.T. 0.041 min
 Lab File: VN075216.D
 Acq: 09 Nov 2022 14:41

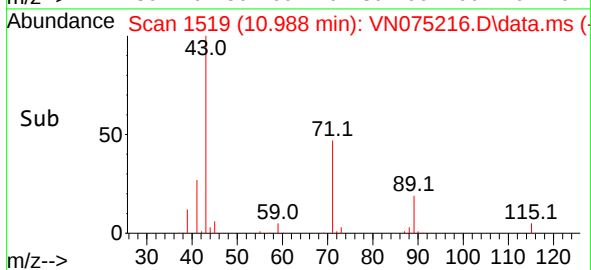
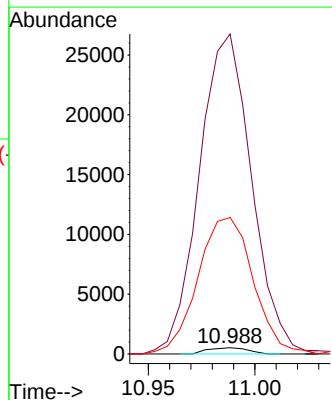
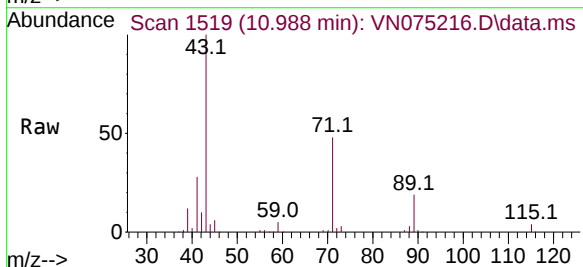
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148908ZHE#02

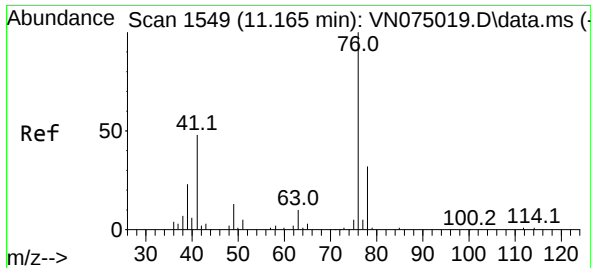
Tgt Ion: 75 Resp: 34006
 Ion Ratio Lower Upper
 75 100
 77 0.9 23.7 35.5#
 39 28.6 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.312 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075216.D
 Acq: 09 Nov 2022 14:41

Tgt Ion: 69 Resp: 679
 Ion Ratio Lower Upper
 69 100
 41 6772.5 45.6 68.4#
 39 3044.9 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.996 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075216.D

Acq: 09 Nov 2022 14:41

Instrument :

MSVOA_N

ClientSampleId :

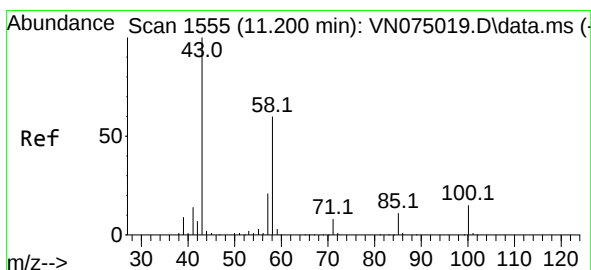
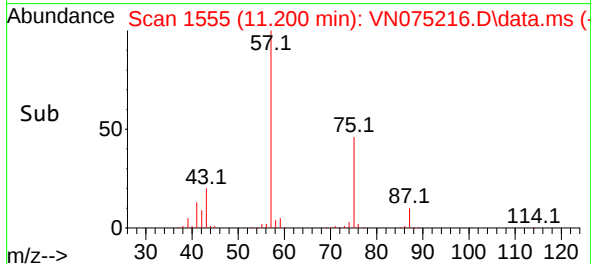
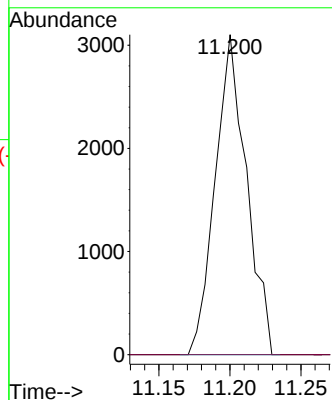
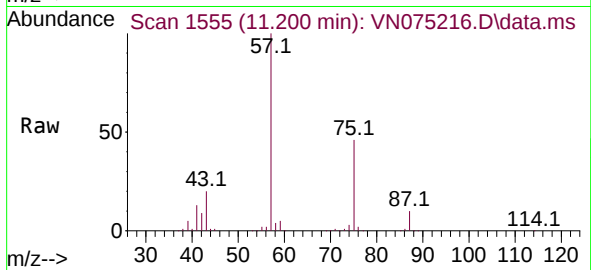
PB148908ZHE#02

Tgt Ion: 76 Resp: 4740

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 33.026 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VN075216.D

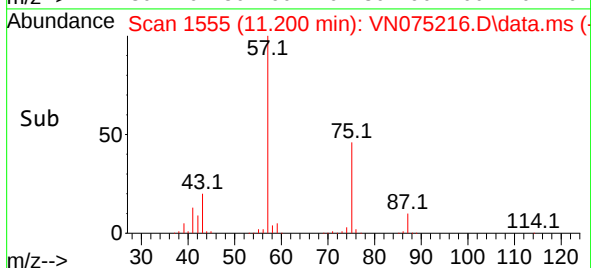
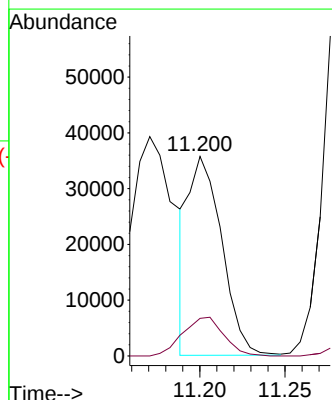
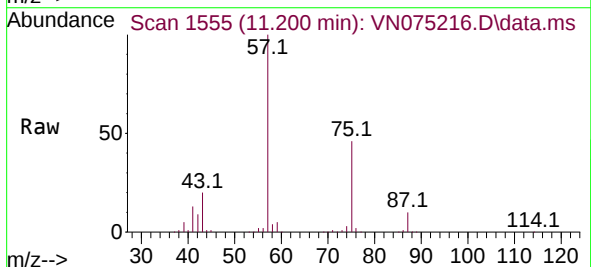
Acq: 09 Nov 2022 14:41

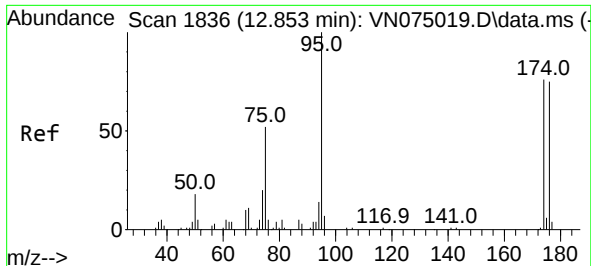
Tgt Ion: 43 Resp: 48352

Ion Ratio Lower Upper

43 100

58 24.2 29.6 88.8#

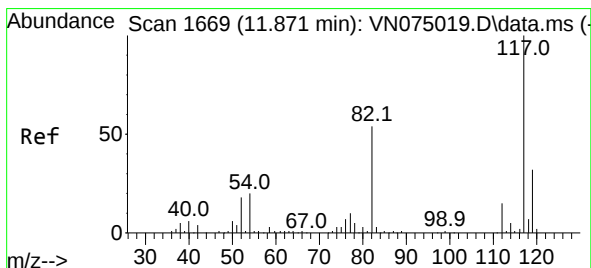
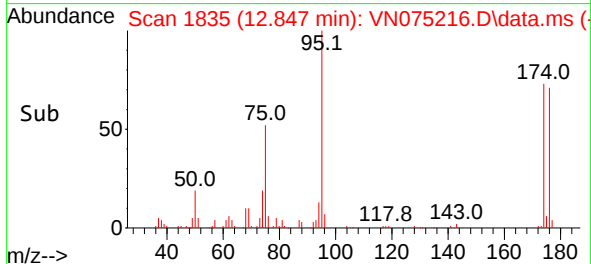
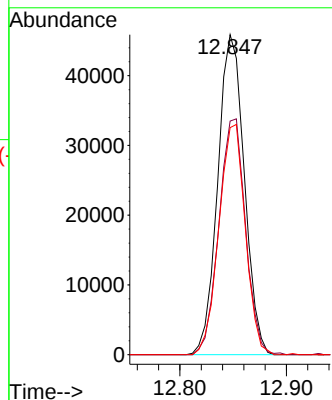
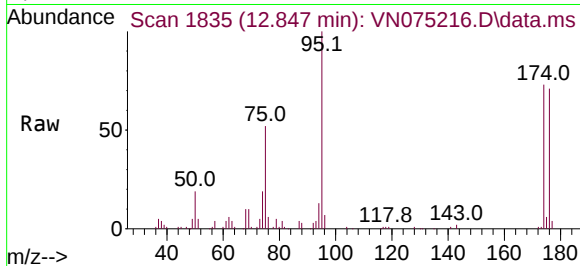




#62
4-Bromofluorobenzene
Concen: 51.231 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

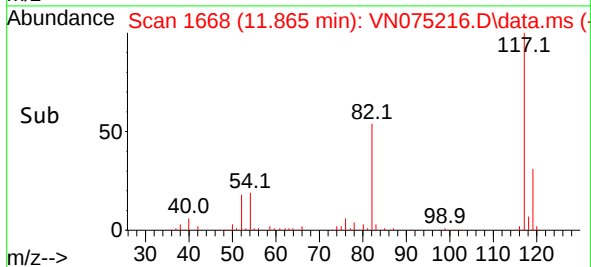
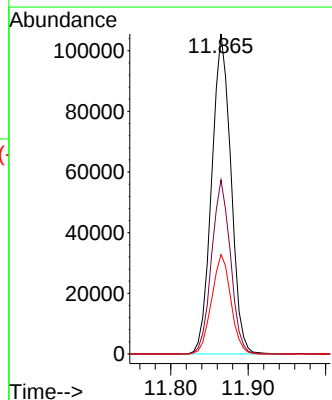
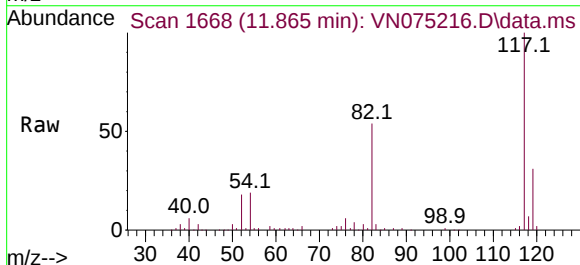
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#02

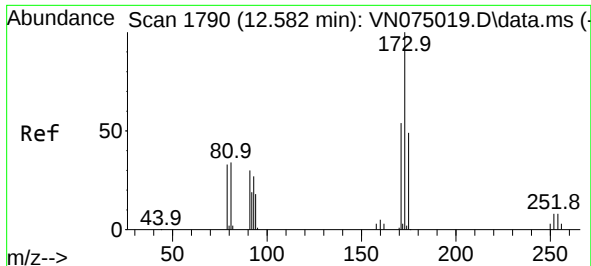
Tgt Ion: 95 Resp: 79254
Ion Ratio Lower Upper
95 100
174 74.0 0.0 147.4
176 71.5 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

Tgt Ion: 117 Resp: 182329
Ion Ratio Lower Upper
117 100
82 54.4 43.1 64.7
119 31.1 25.5 38.3

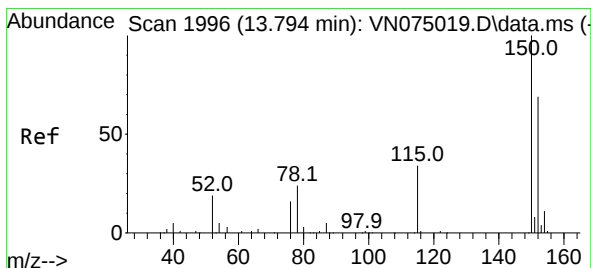
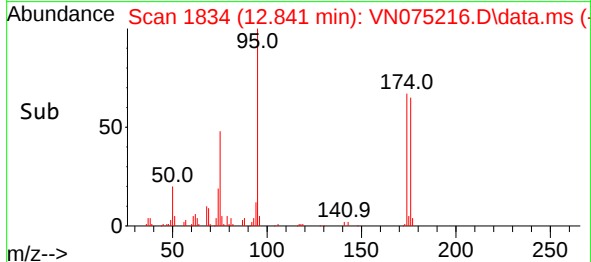
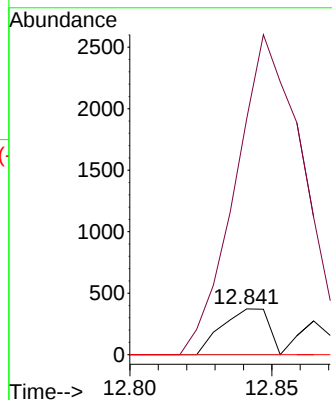
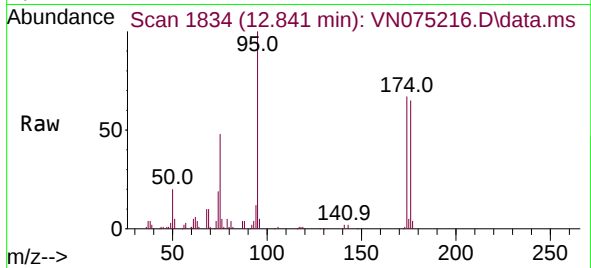




#71
Bromoform
Concen: 0.394 ug/l
RT: 12.841 min Scan# 1834
Delta R.T. 0.259 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

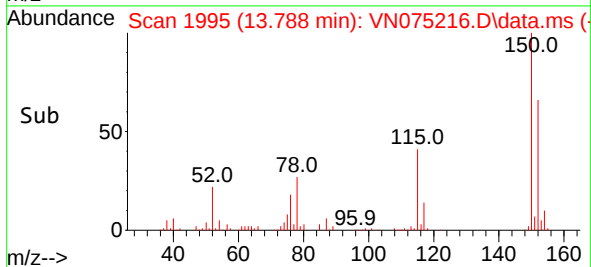
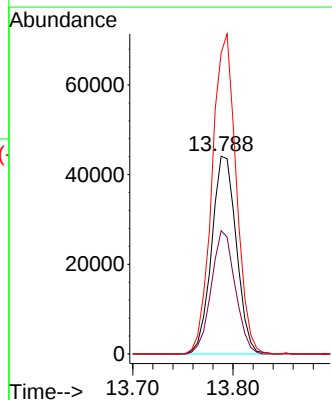
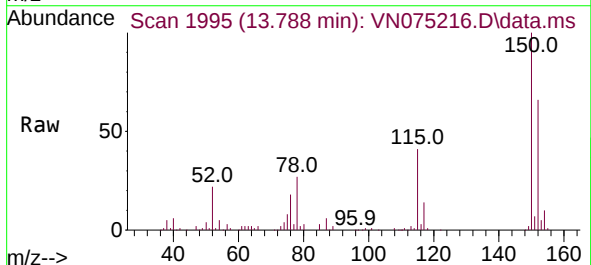
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#02

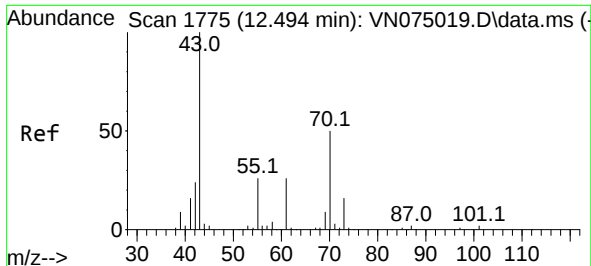
Tgt Ion:173 Resp: 426
Ion Ratio Lower Upper
173 100
175 874.2 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

Tgt Ion:152 Resp: 75496
Ion Ratio Lower Upper
152 100
115 60.3 30.2 90.6
150 158.1 0.0 348.4

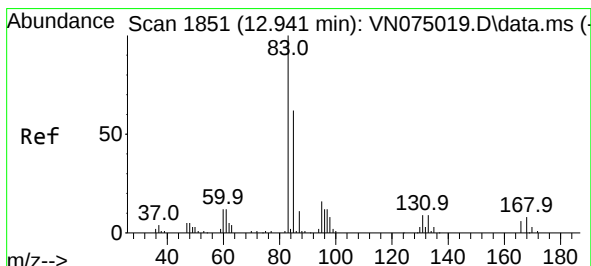
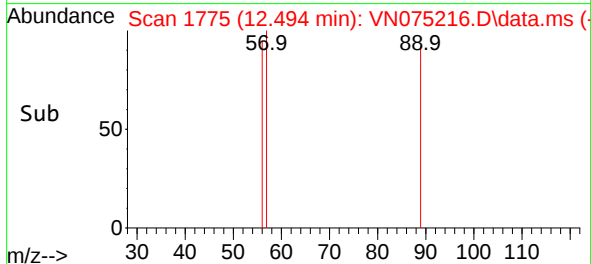
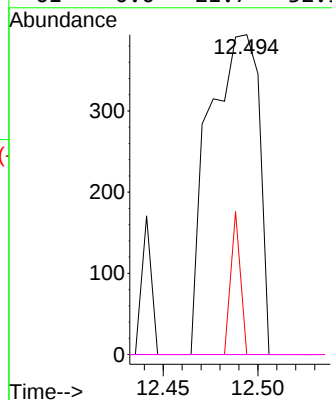
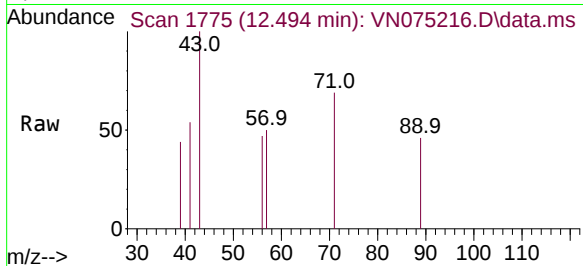




#74
N-amy1 acetate
Concen: 0.322 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

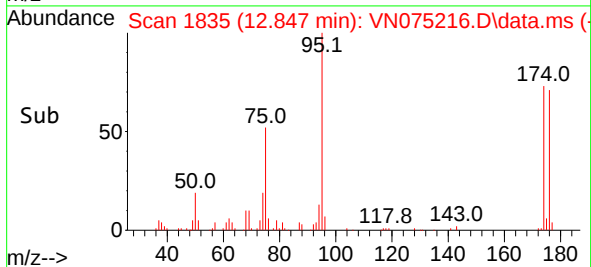
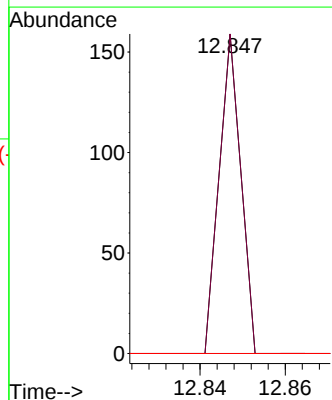
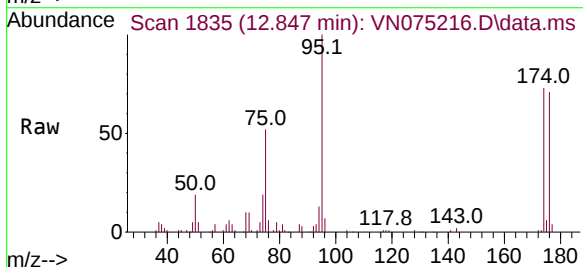
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#02

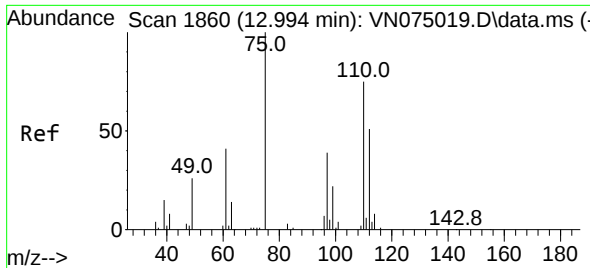
Tgt Ion:	43	Resp:	721
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.8	59.8#
55	8.6	19.9	29.9#
61	0.0	21.7	32.5#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.847 min Scan# 1835
Delta R.T. -0.094 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

Tgt Ion:	83	Resp:	56
Ion	Ratio	Lower	Upper
83	100		
131	100.0	5.1	15.3#
85	0.0	31.6	94.7#

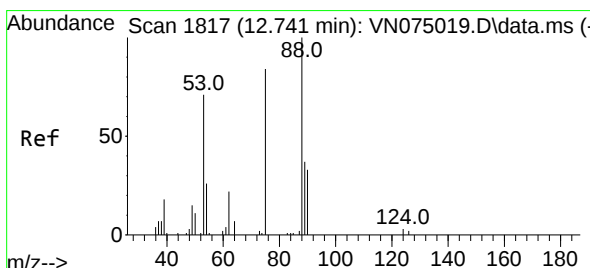
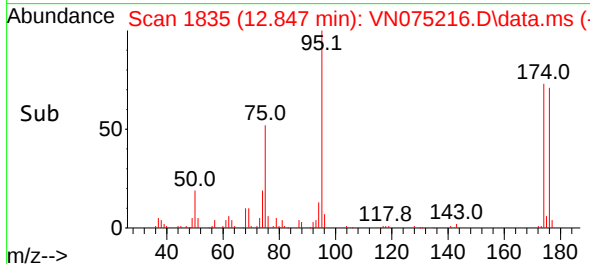
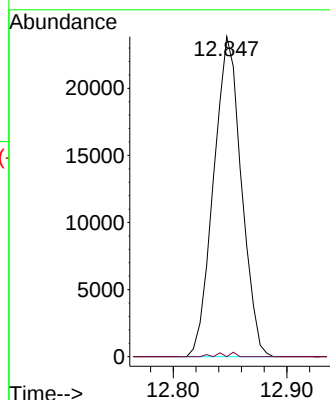
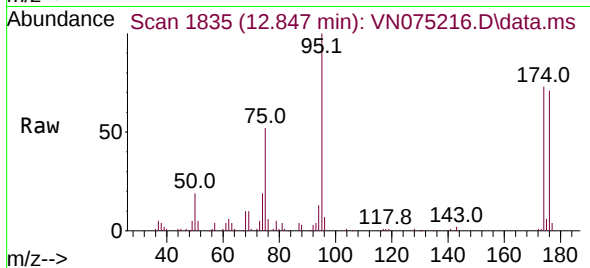




#76
1,2,3-Trichloropropane
Concen: 25.279 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

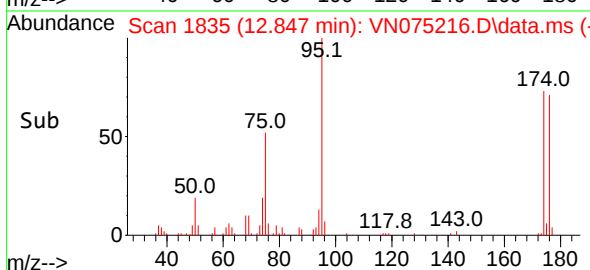
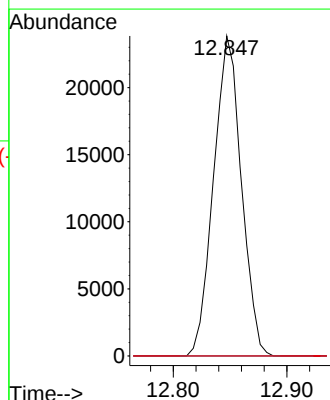
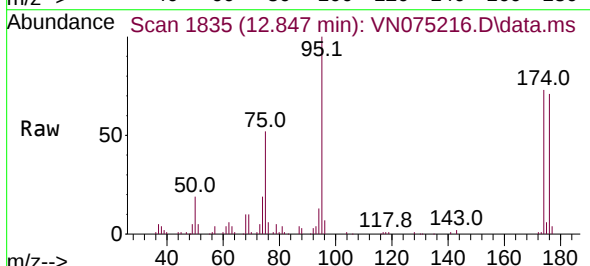
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#02

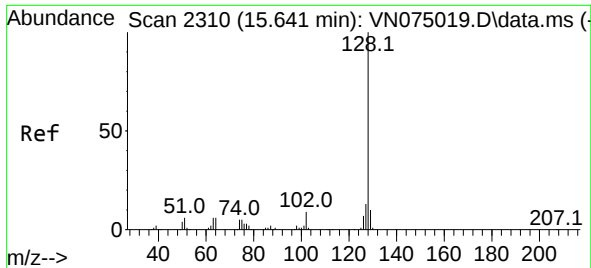
Tgt Ion: 75 Resp: 40521
Ion Ratio Lower Upper
75 100
77 0.4 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.890 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

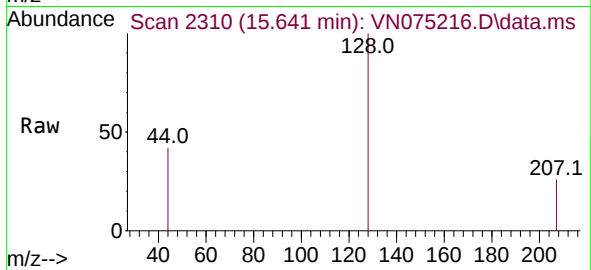
Tgt Ion: 75 Resp: 40521
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#95
Naphthalene
Concen: 0.341 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN075216.D
Acq: 09 Nov 2022 14:41

Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#02



Tgt Ion:128 Resp: 1464
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 12.8#

