

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110922\
 Data File : VN075218.D
 Acq On : 09 Nov 2022 15:29
 Operator : JC\MD
 Sample : PB148908ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148908ZHE#04

Quant Time: Nov 10 02:43:32 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)

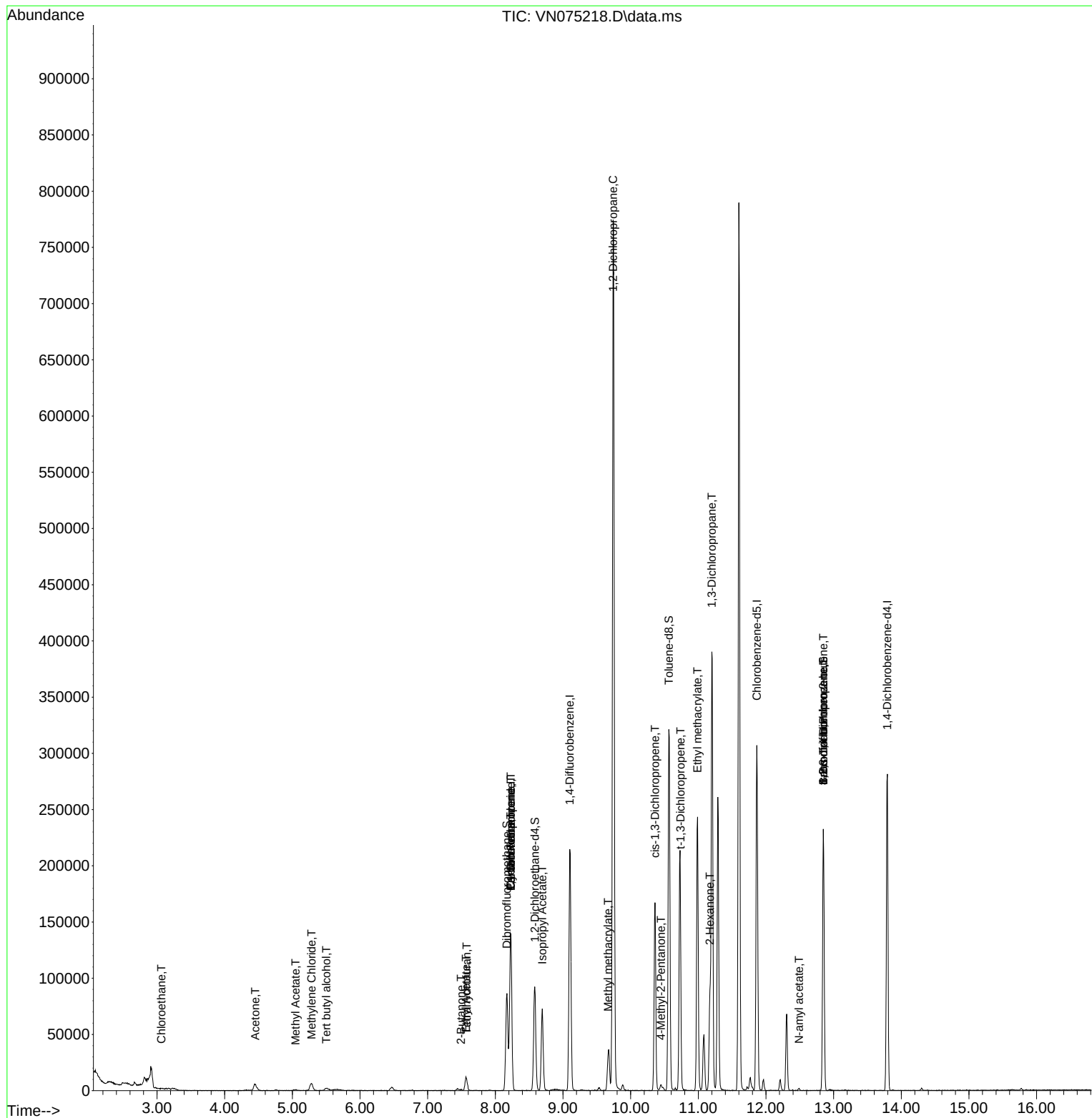
Internal Standards						
1) Pentafluorobenzene	8.230	168	100710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	194354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	183328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	78111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	76343	56.261	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.520%			
35) Dibromofluoromethane	8.171	113	62659	54.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.840%			
50) Toluene-d8	10.565	98	229689	51.888	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.780%			
62) 4-Bromofluorobenzene	12.847	95	79136	50.892	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.780%			
Target Compounds						Qvalue
5) Bromomethane	2.918	94	250	Below Cal	#	68
6) Chloroethane	3.065	64	397	0.279	ug/l #	45
11) Tert butyl alcohol	5.500	59	955	3.018	ug/l #	72
16) Acetone	4.453	43	11085	19.293	ug/l #	83
18) Methyl Acetate	5.047	43	2138	1.139	ug/l #	88
20) Methylene Chloride	5.283	84	5312	4.147	ug/l	92
25) 2-Butanone	7.494	43	1413	1.564	ug/l	93
29) Tetrahydrofuran	7.577	42	962	1.647	ug/l #	26
31) Cyclohexane	8.224	56	2152	1.066	ug/l #	56
36) 1,1-Dichloropropene	8.230	75	8486	4.804	ug/l #	51
37) Ethyl Acetate	7.565	43	17398	8.981	ug/l	99
38) Carbon Tetrachloride	8.230	117	11671	6.007	ug/l #	15
43) Isopropyl Acetate	8.694	43	76571	25.483	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	885	0.688	ug/l #	42
48) Methyl methacrylate	9.665	41	2242	1.627	ug/l #	6
51) 4-Methyl-2-Pentanone	10.447	43	5858	3.021	ug/l #	69
53) t-1,3-Dichloropropene	10.735	75	542	0.264	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	32695	15.039	ug/l #	60
56) Ethyl methacrylate	10.988	69	686	0.314	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4563	1.911	ug/l #	42
59) 2-Hexanone	11.171	43	68216	46.353	ug/l #	21
71) Bromoform	12.847	173	840	0.773	ug/l #	1
74) N-amyl acetate	12.488	43	742	0.320	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	42758	25.781	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	42758	66.180	ug/l #	10

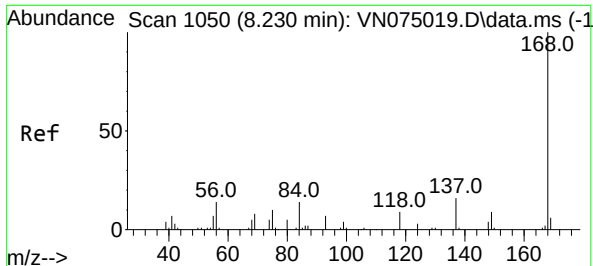
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

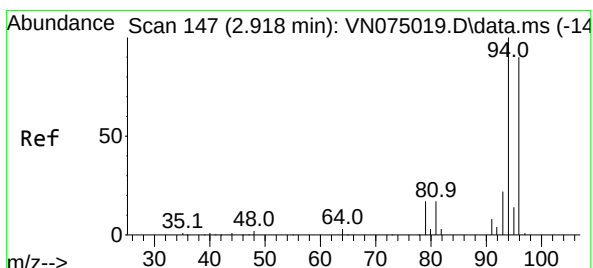
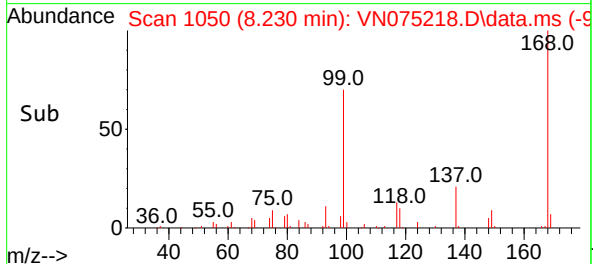
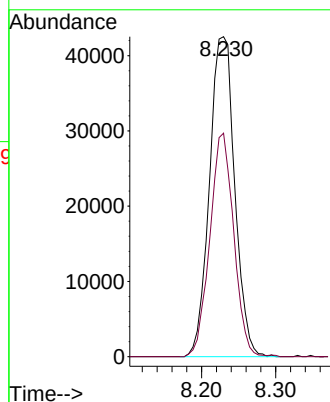
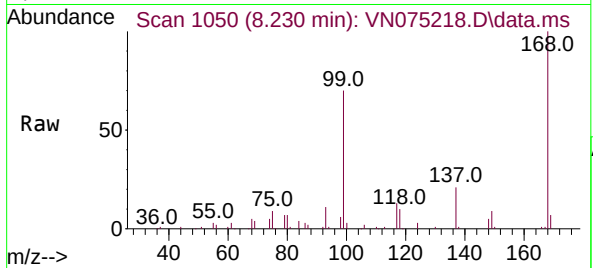




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

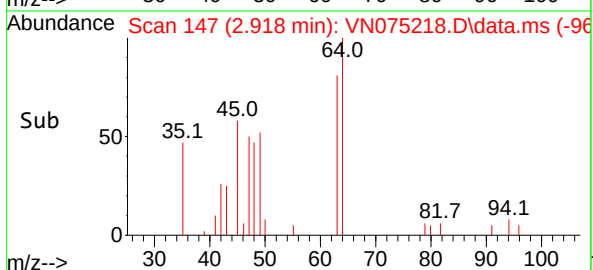
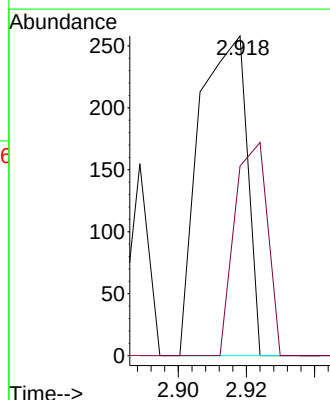
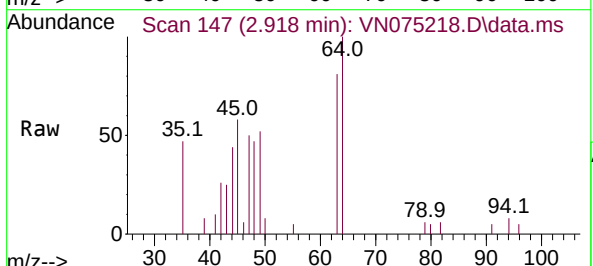
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#04

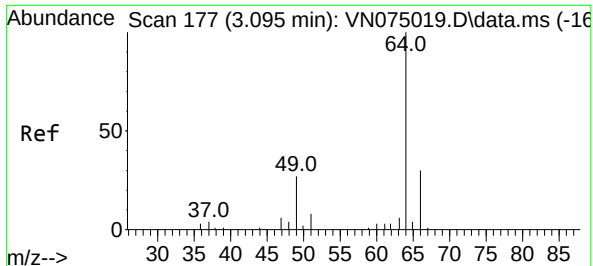
Tgt Ion:168 Resp: 100710
Ion Ratio Lower Upper
168 100
99 69.9 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

Tgt Ion: 94 Resp: 250
Ion Ratio Lower Upper
94 100
96 59.3 71.8 107.6#

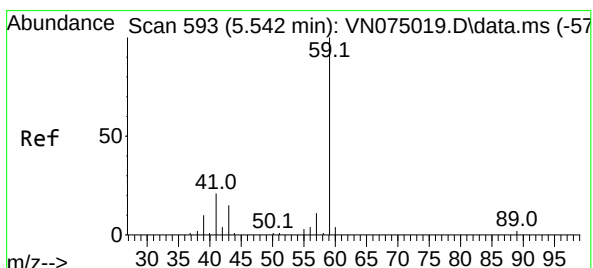
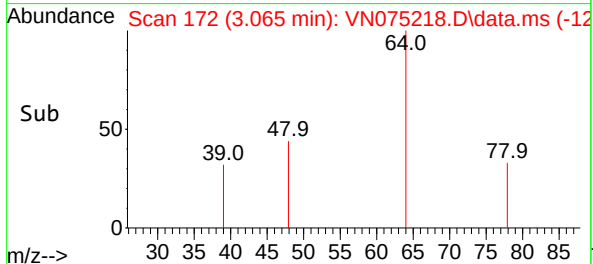
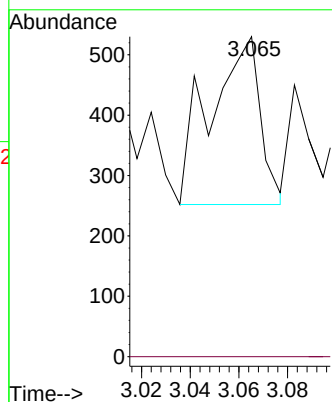
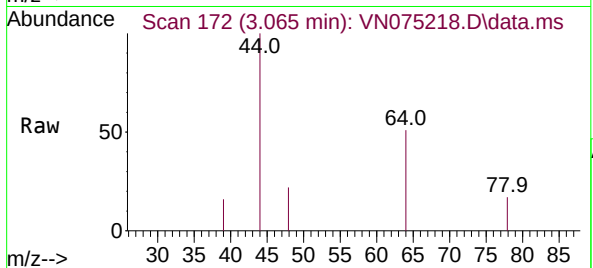




#6
Chloroethane
Concen: 0.279 ug/l
RT: 3.065 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

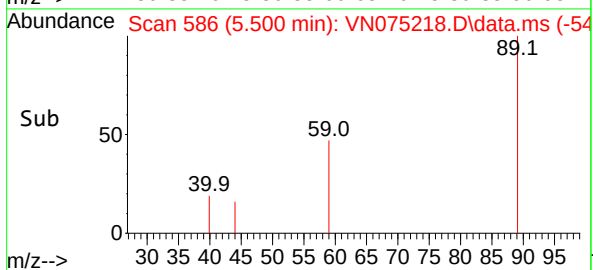
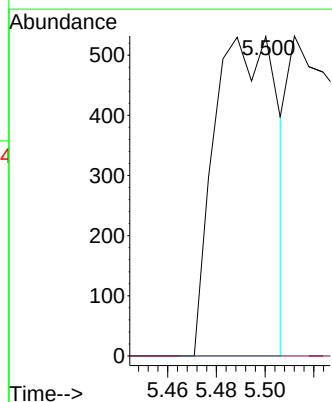
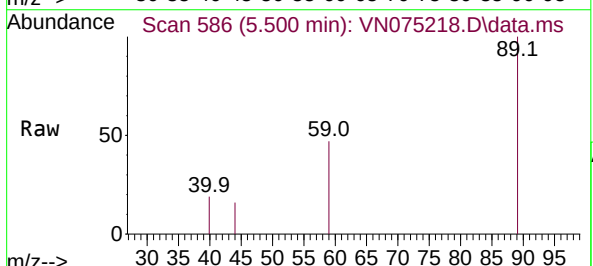
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#04

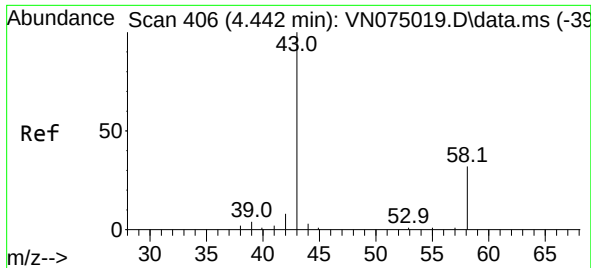
Tgt Ion: 64 Resp: 397
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 3.018 ug/l
RT: 5.500 min Scan# 586
Delta R.T. -0.042 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

Tgt Ion: 59 Resp: 955
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

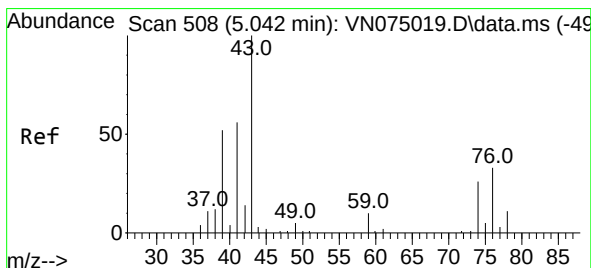
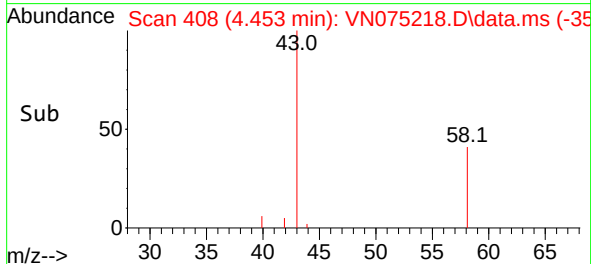
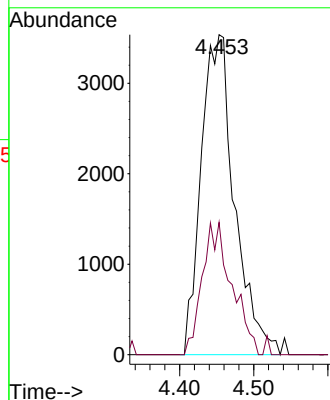
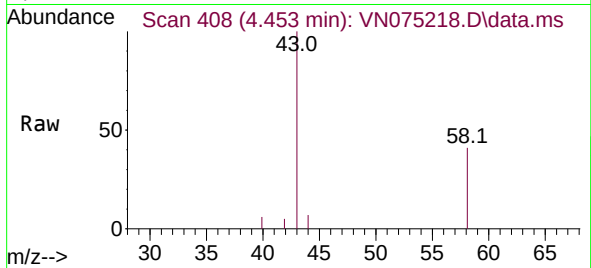




#16
Acetone
Concen: 19.293 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

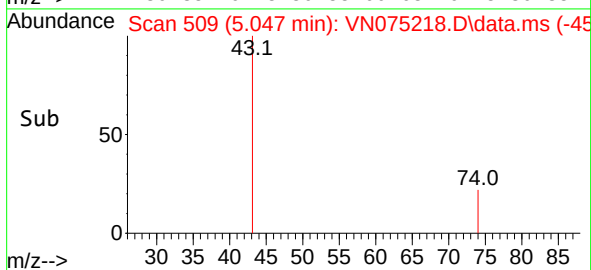
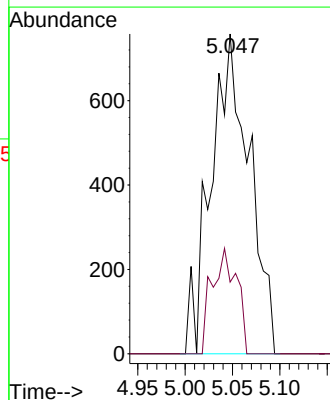
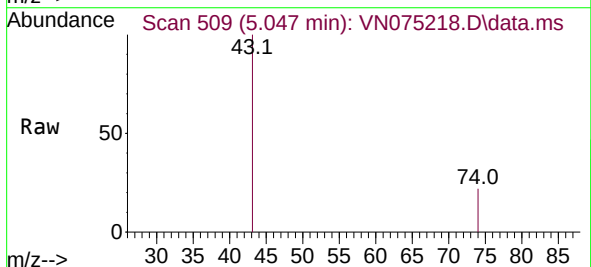
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#04

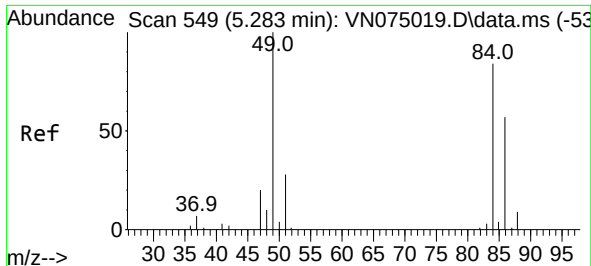
Tgt Ion: 43 Resp: 11085
Ion Ratio Lower Upper
43 100
58 41.4 25.5 38.3#



#18
Methyl Acetate
Concen: 1.139 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.005 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

Tgt Ion: 43 Resp: 2138
Ion Ratio Lower Upper
43 100
74 21.3 22.0 33.0#

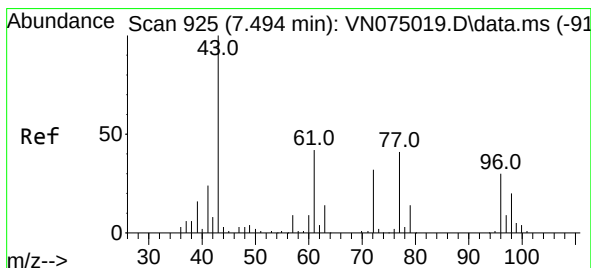
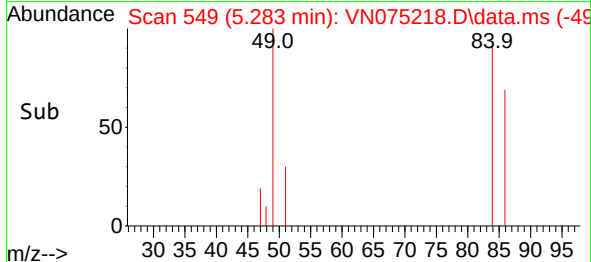
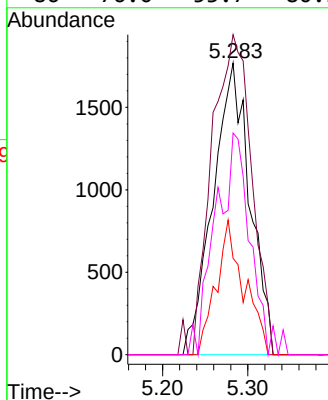
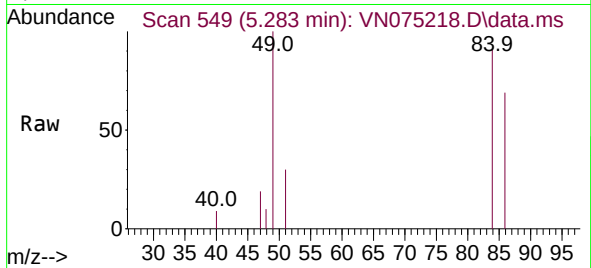




#20
Methylene Chloride
Concen: 4.147 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

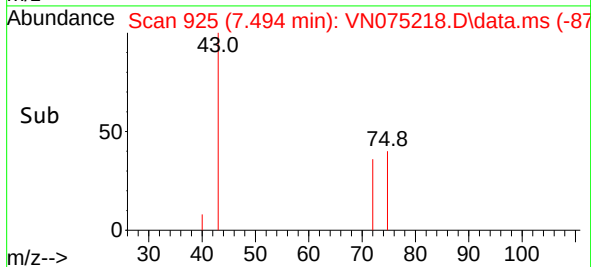
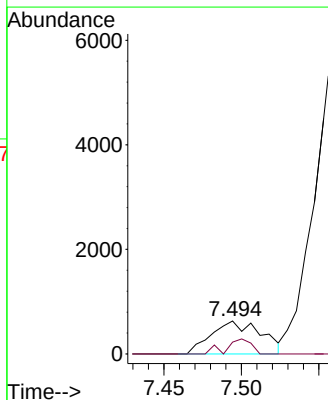
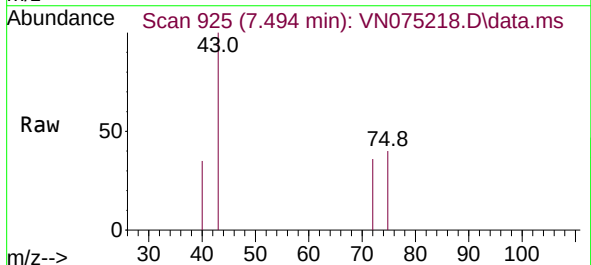
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#04

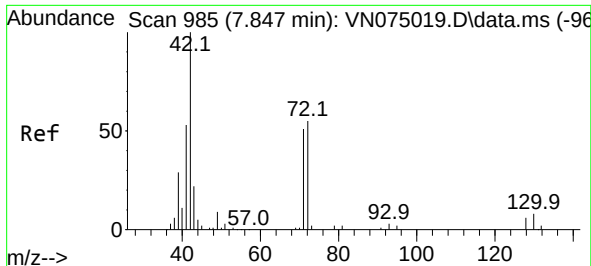
Tgt Ion: 84	Resp: 5312
Ion Ratio	Lower Upper
84 100	
49 109.7	94.9 142.3
51 33.1	26.8 40.2
86 76.0	53.7 80.5



#25
2-Butanone
Concen: 1.564 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.000 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

Tgt Ion: 43	Resp: 1413
Ion Ratio	Lower Upper
43 100	
72 36.0	25.5 38.3





#29

Tetrahydrofuran

Concen: 1.647 ug/l

RT: 7.577 min Scan# 91

Delta R.T. -0.270 min

Lab File: VN075218.D

Acq: 09 Nov 2022 15:29

Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#04

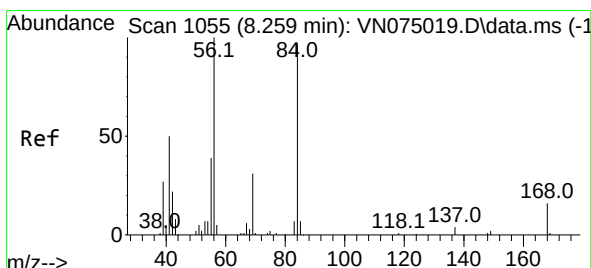
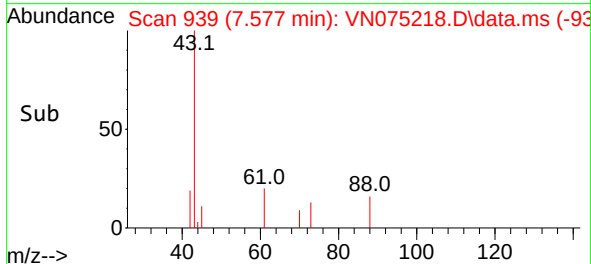
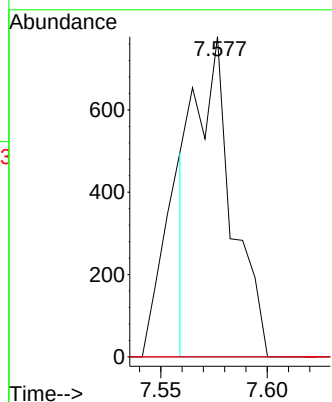
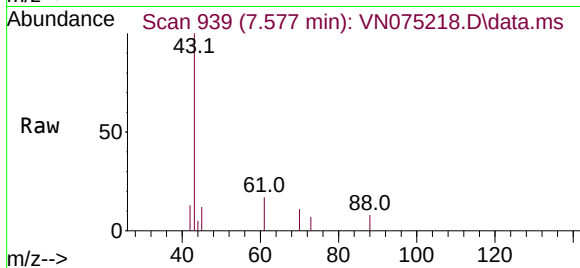
Tgt Ion: 42 Resp: 962

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#



#31

Cyclohexane

Concen: 1.066 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.035 min

Lab File: VN075218.D

Acq: 09 Nov 2022 15:29

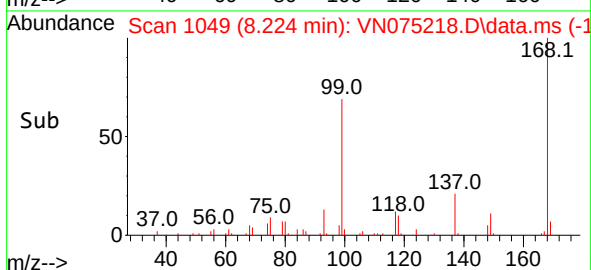
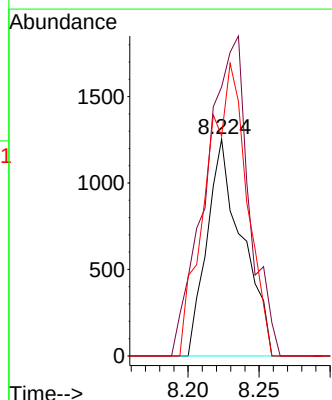
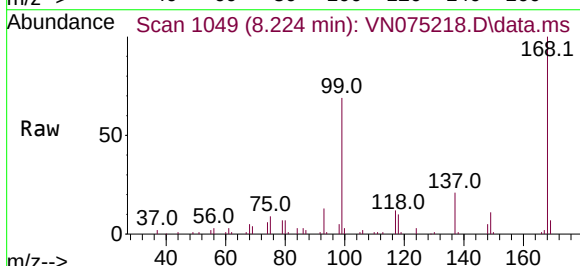
Tgt Ion: 56 Resp: 2152

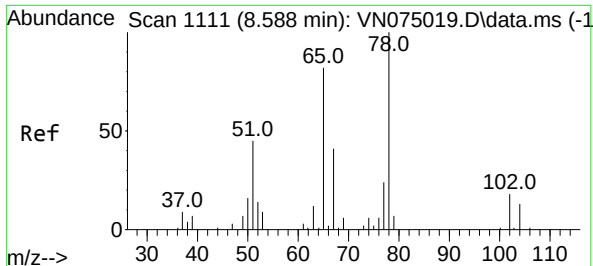
Ion Ratio Lower Upper

56 100

69 124.2 25.2 37.8#

84 101.4 77.8 116.8





#33

1,2-Dichloroethane-d4

Concen: 56.261 ug/l

RT: 8.582 min Scan# 1111

Delta R.T. -0.006 min

Lab File: VN075218.D

Acq: 09 Nov 2022 15:29

Instrument :

MSVOA_N

ClientSampleId :

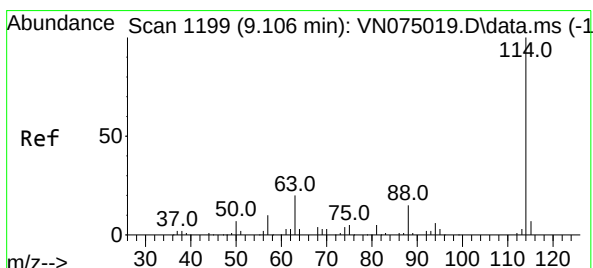
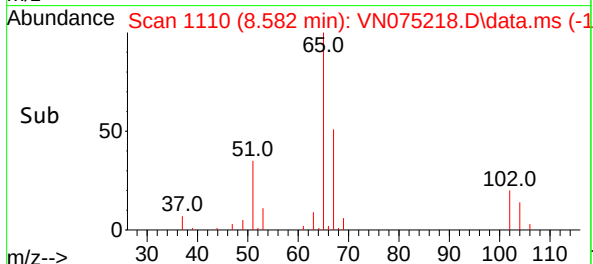
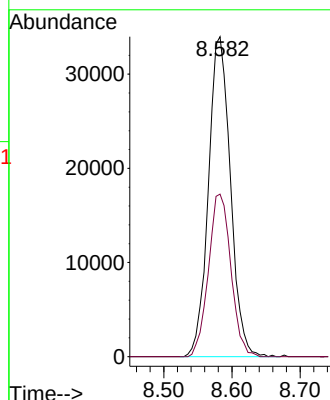
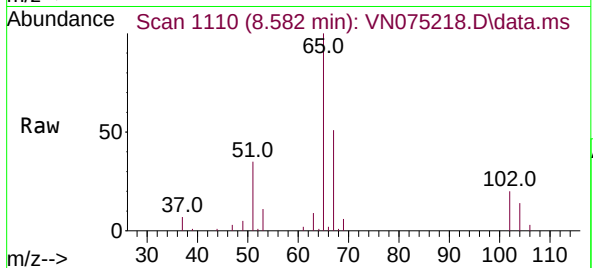
PB148908ZHE#04

Tgt Ion: 65 Resp: 76343

Ion Ratio Lower Upper

65 100

67 51.7 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: VN075218.D

Acq: 09 Nov 2022 15:29

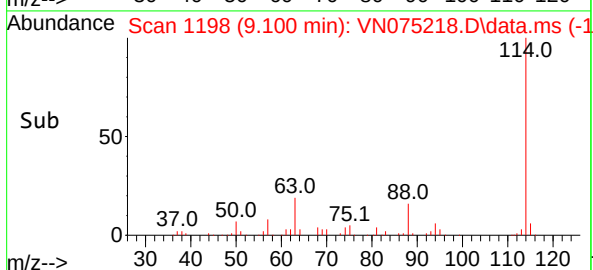
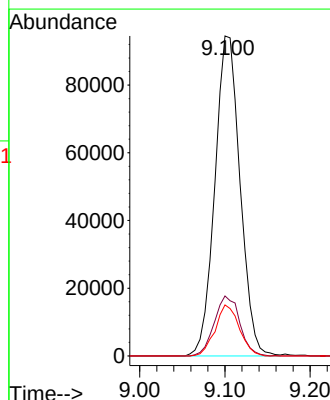
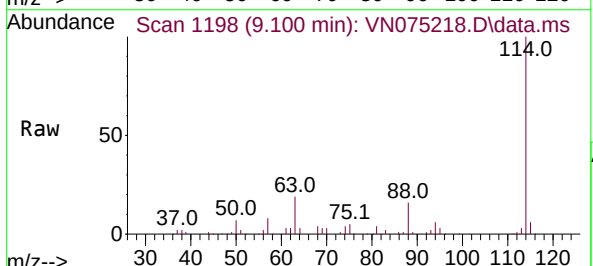
Tgt Ion: 114 Resp: 194354

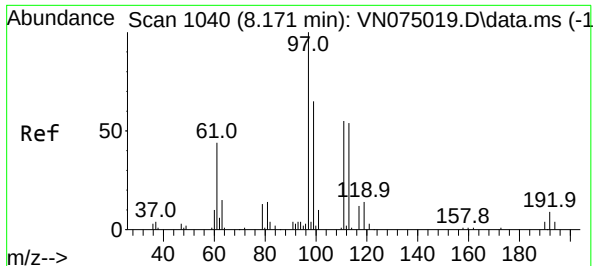
Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 16.0 0.0 29.0

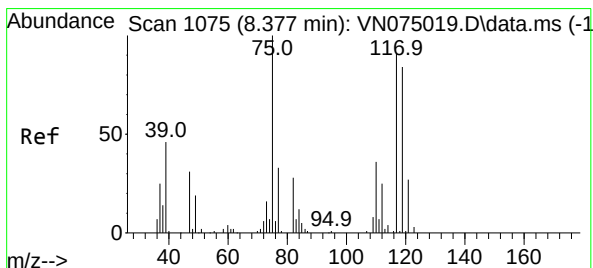
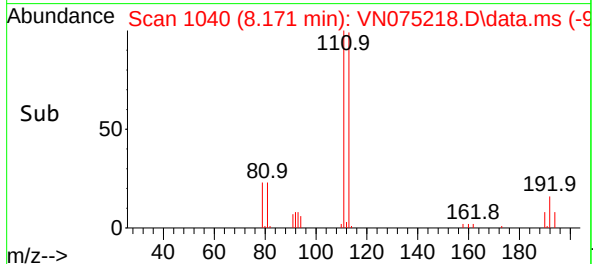
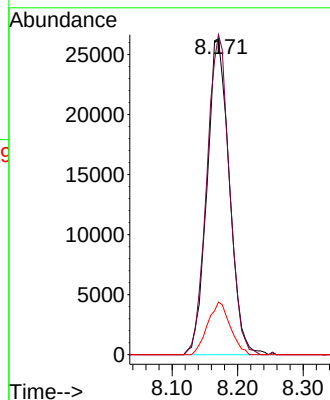
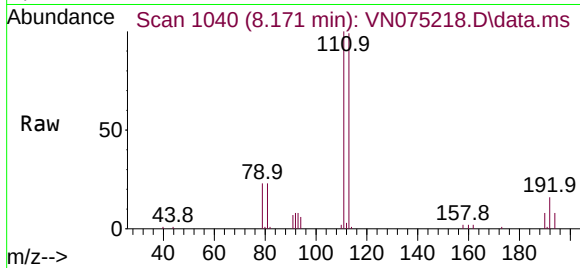




#35
Dibromofluoromethane
Concen: 54.918 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

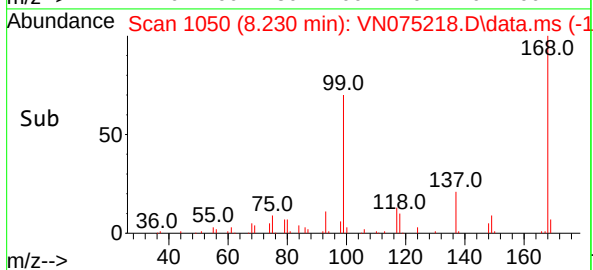
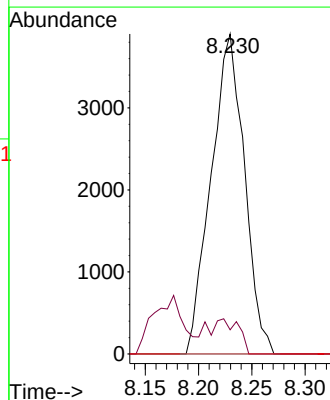
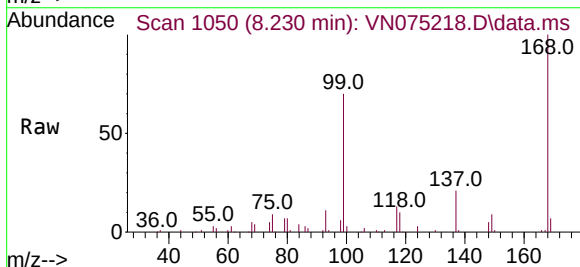
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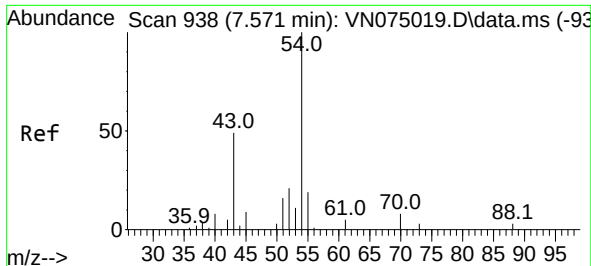
Tgt Ion:113 Resp: 62659
Ion Ratio Lower Upper
113 100
111 101.7 80.5 120.7
192 16.7 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.804 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

Tgt Ion: 75 Resp: 8486
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.3#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 8.981 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN075218.D

Acq: 09 Nov 2022 15:29

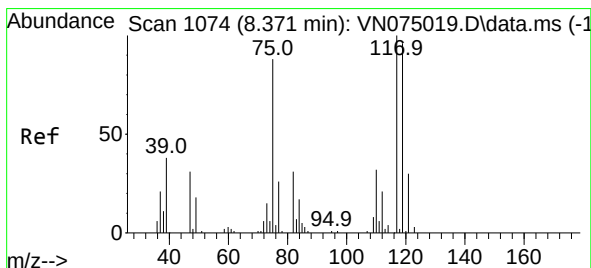
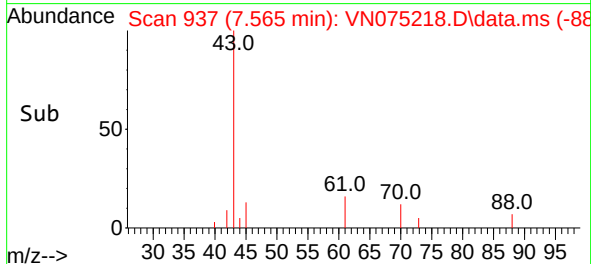
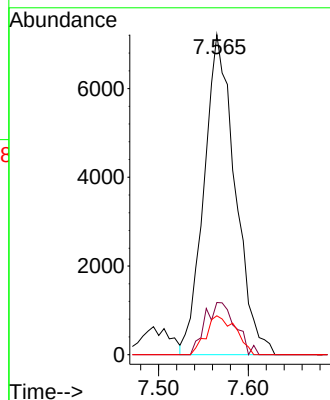
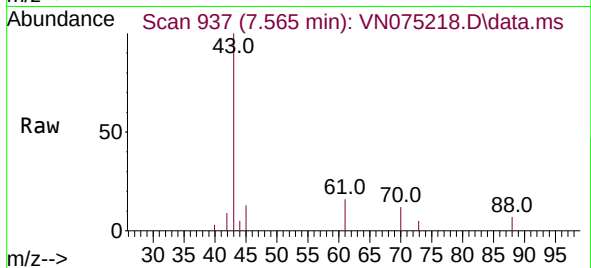
Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#04

Tgt Ion:	43	Resp:	17398
Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.2	18.4
70	11.5	9.4	14.2



#38

Carbon Tetrachloride

Concen: 6.007 ug/l

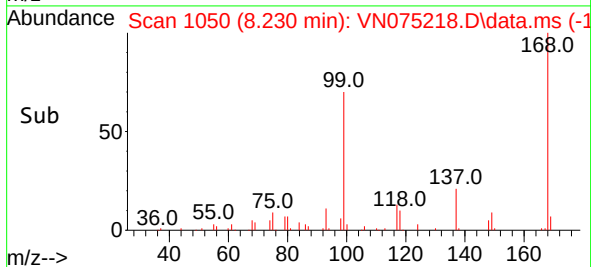
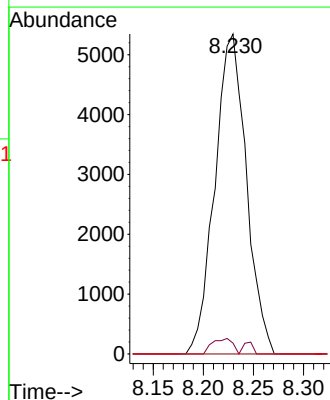
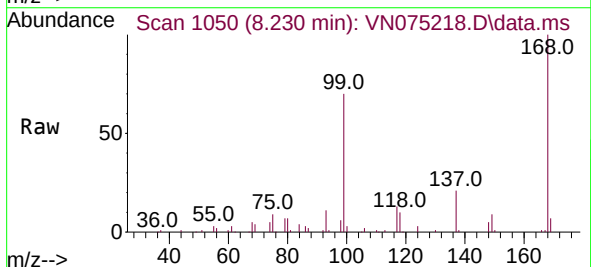
RT: 8.230 min Scan# 1050

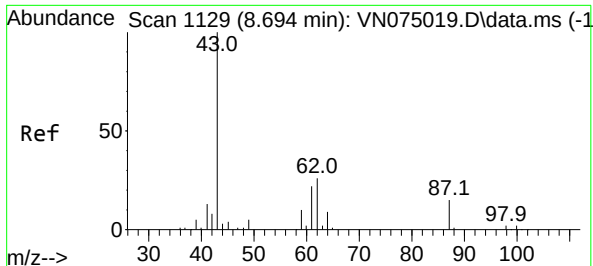
Delta R.T. -0.141 min

Lab File: VN075218.D

Acq: 09 Nov 2022 15:29

Tgt Ion:	117	Resp:	11671
Ion	Ratio	Lower	Upper
117	100		
119	3.4	76.7	115.1#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 25.483 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075218.D

Acq: 09 Nov 2022 15:29

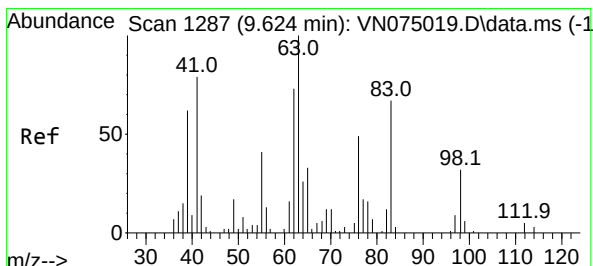
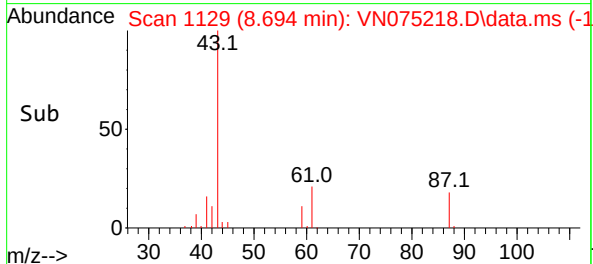
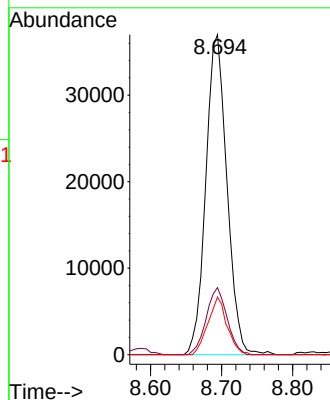
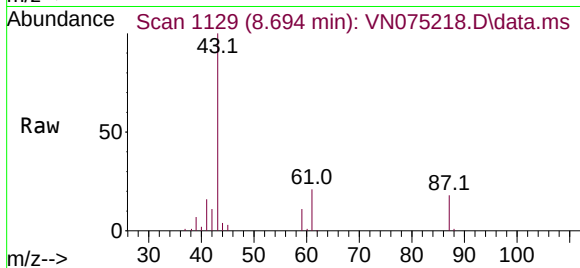
Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#04

Tgt Ion:	43	Resp:	76571
Ion	Ratio	Lower	Upper
43	100		
61	20.6	22.4	33.6#
87	16.2	12.5	18.7



#45

1,2-Dichloropropane

Concen: 0.688 ug/l

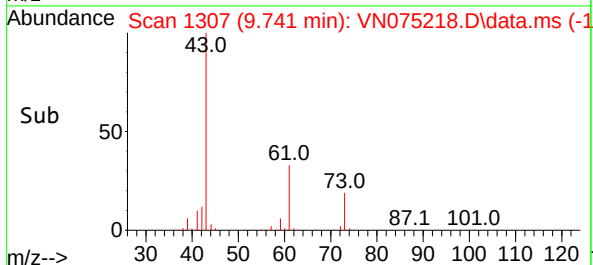
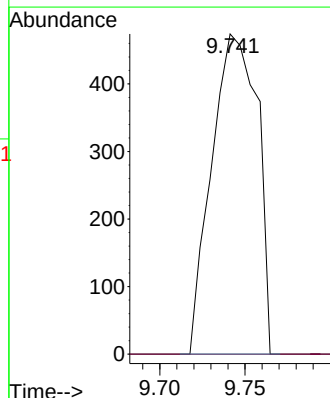
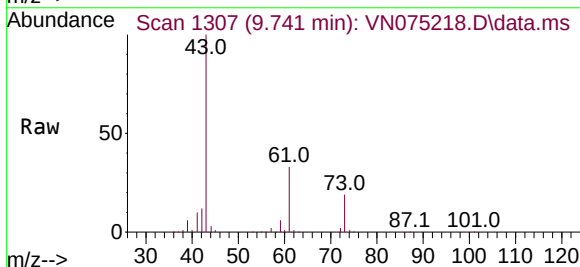
RT: 9.741 min Scan# 1307

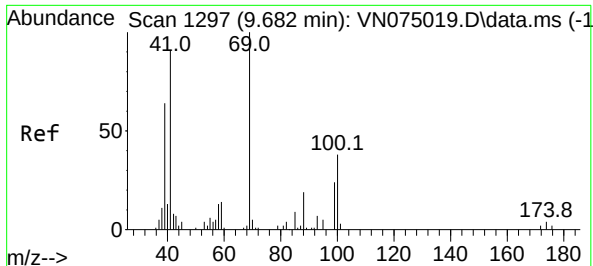
Delta R.T. 0.117 min

Lab File: VN075218.D

Acq: 09 Nov 2022 15:29

Tgt Ion:	63	Resp:	885
Ion	Ratio	Lower	Upper
63	100		
65	0.0	26.1	39.1#





#48

Methyl methacrylate

Concen: 1.627 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.017 min

Lab File: VN075218.D

Acq: 09 Nov 2022 15:29

Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#04

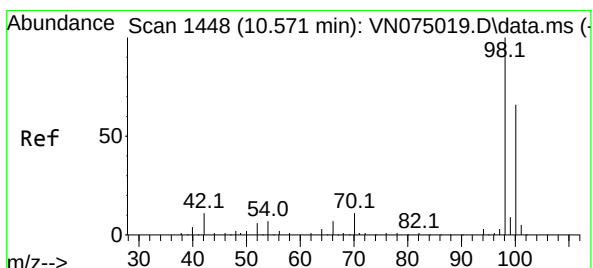
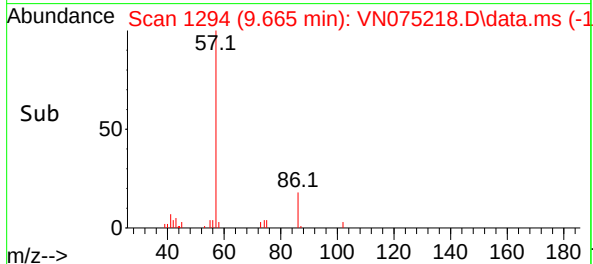
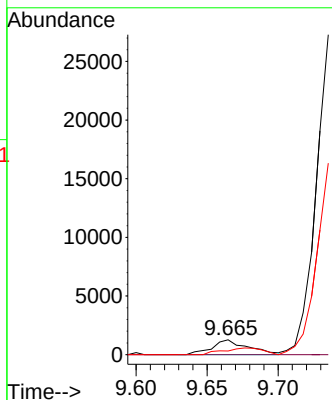
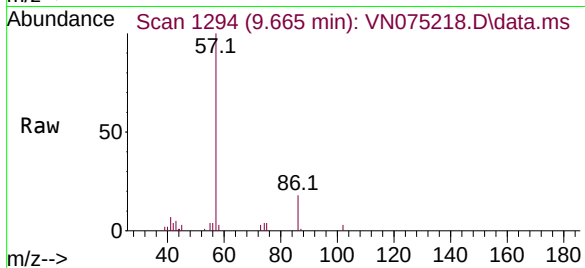
Tgt Ion: 41 Resp: 2242

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 0.0 56.2 84.2#



#50

Toluene-d8

Concen: 51.888 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN075218.D

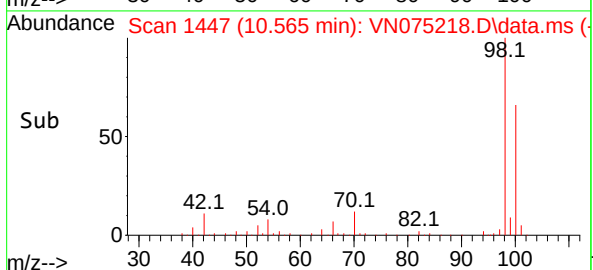
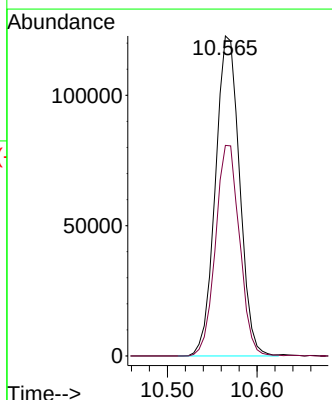
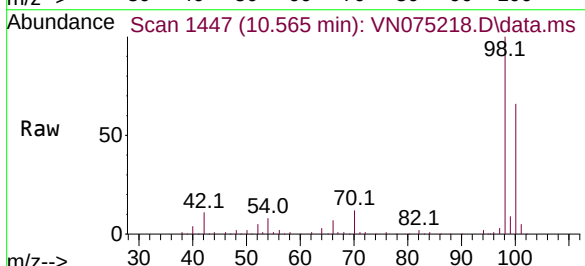
Acq: 09 Nov 2022 15:29

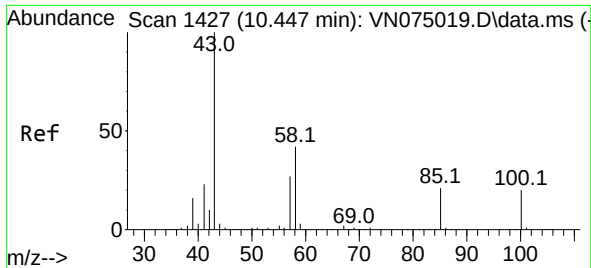
Tgt Ion: 98 Resp: 229689

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6

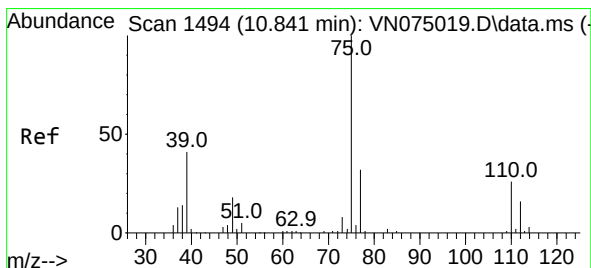
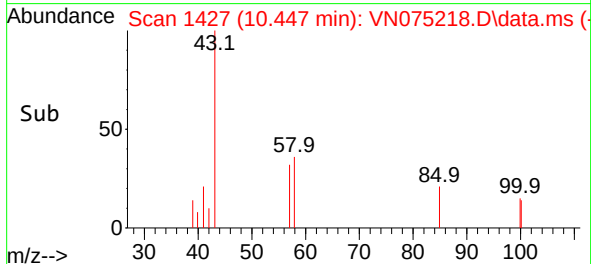
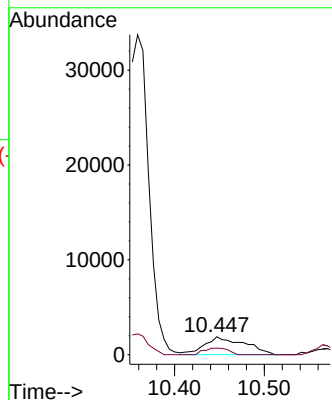
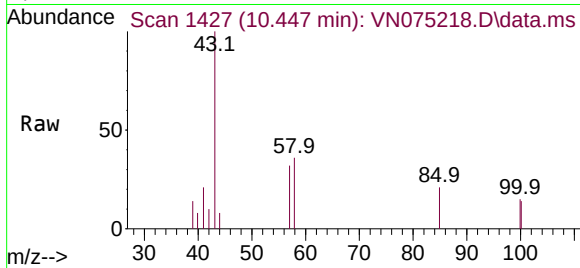




#51
4-Methyl-2-Pentanone
Concen: 3.021 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

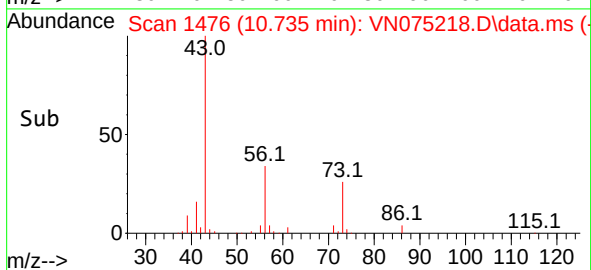
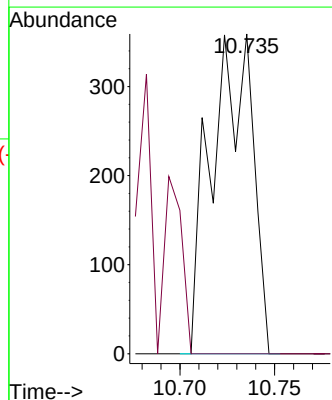
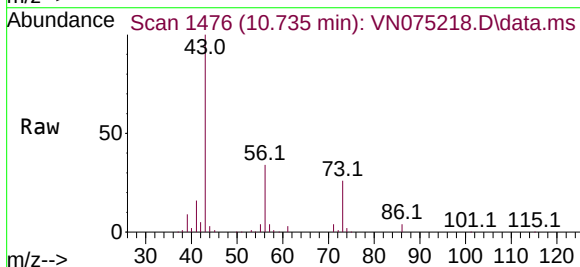
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#04

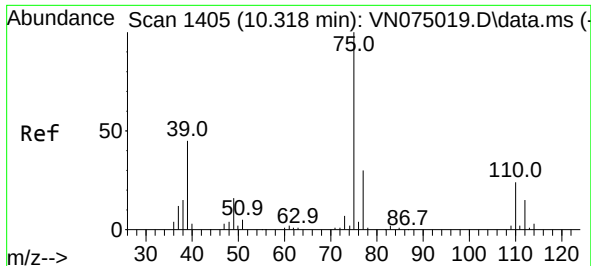
Tgt Ion: 43 Resp: 5858
Ion Ratio Lower Upper
43 100
58 22.3 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.264 ug/l
RT: 10.735 min Scan# 1476
Delta R.T. -0.106 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

Tgt Ion: 75 Resp: 542
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

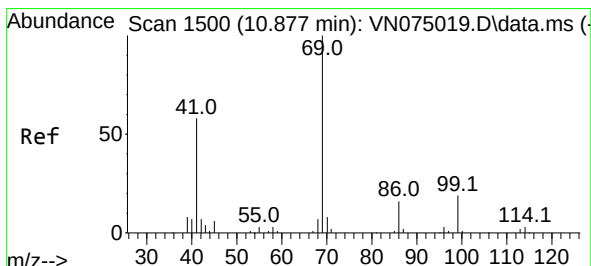
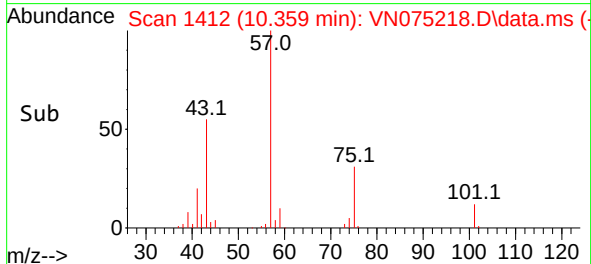
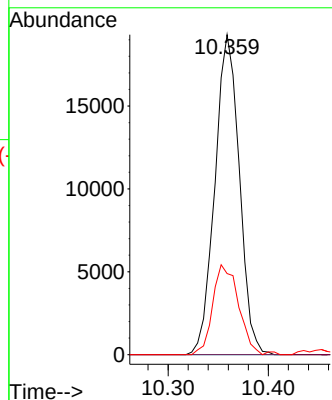
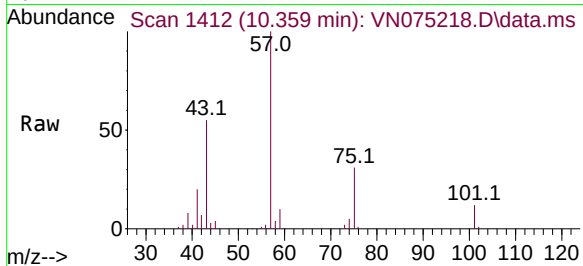




#54
 cis-1,3-Dichloropropene
 Concen: 15.039 ug/l
 RT: 10.359 min Scan# 1405
 Delta R.T. 0.041 min
 Lab File: VN075218.D
 Acq: 09 Nov 2022 15:29

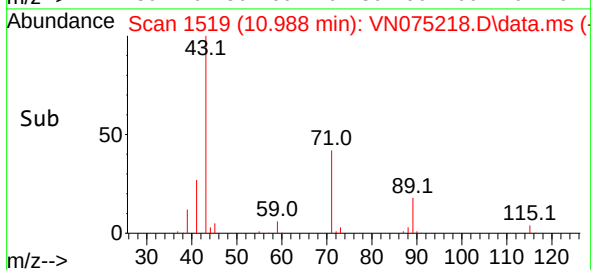
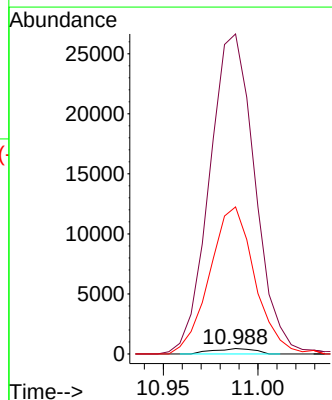
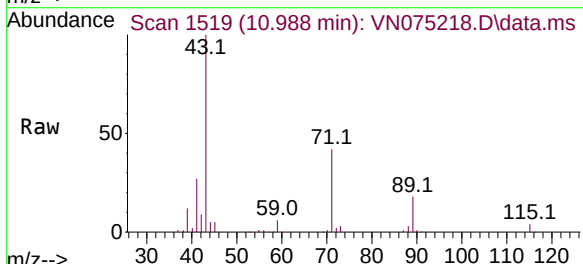
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148908ZHE#04

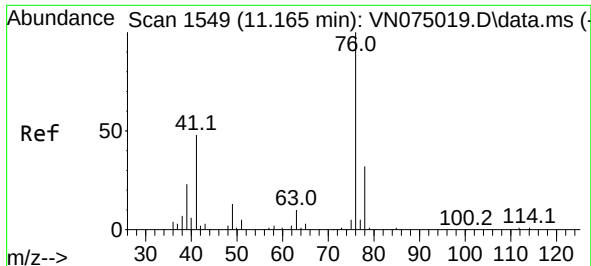
Tgt Ion: 75 Resp: 32695
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 25.4 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.314 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075218.D
 Acq: 09 Nov 2022 15:29

Tgt Ion: 69 Resp: 686
 Ion Ratio Lower Upper
 69 100
 41 6506.7 45.6 68.4#
 39 2972.4 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.911 ug/l

RT: 11.200 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN075218.D

Acq: 09 Nov 2022 15:29

Instrument :

MSVOA_N

ClientSampleId :

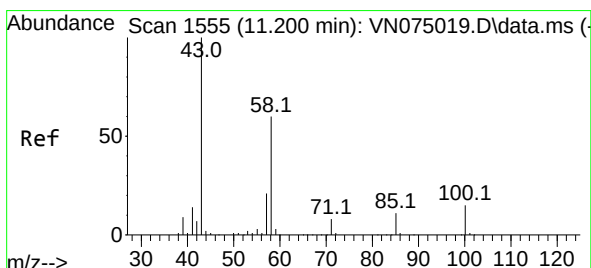
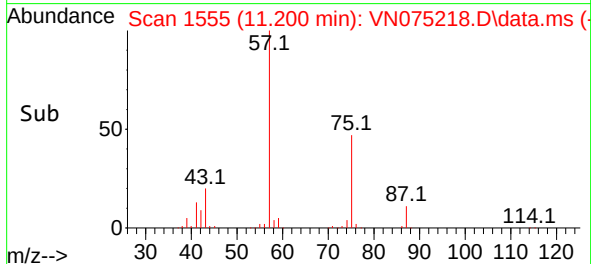
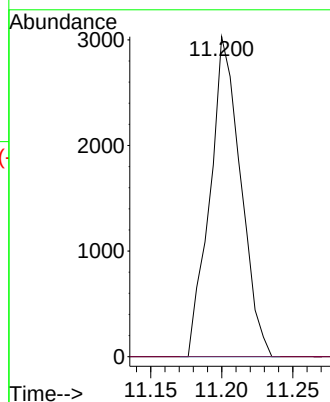
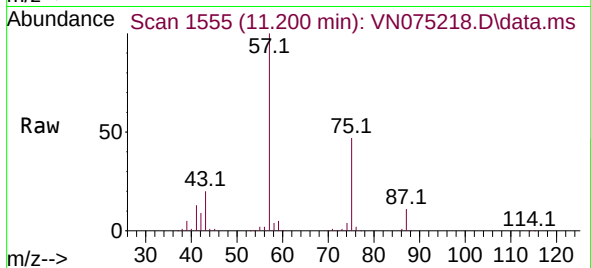
PB148908ZHE#04

Tgt Ion: 76 Resp: 4563

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 46.353 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN075218.D

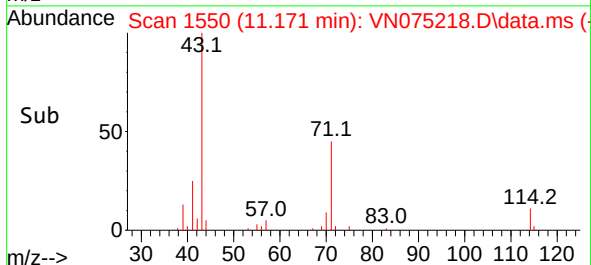
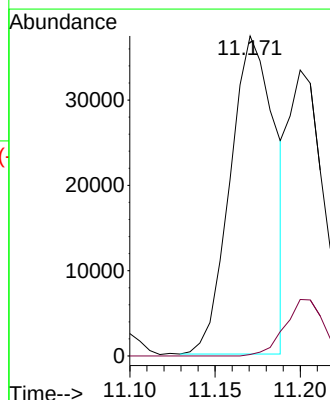
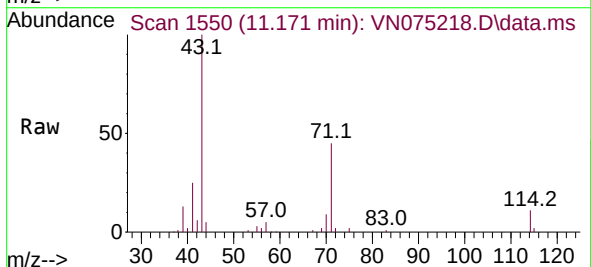
Acq: 09 Nov 2022 15:29

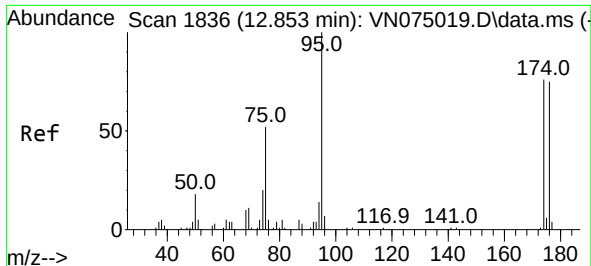
Tgt Ion: 43 Resp: 68216

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

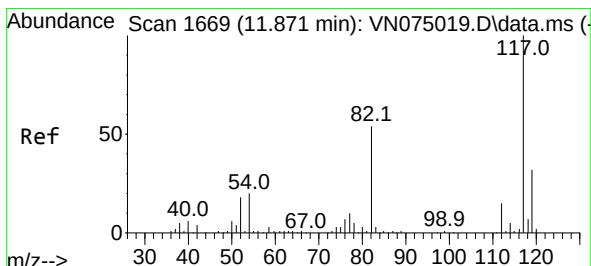
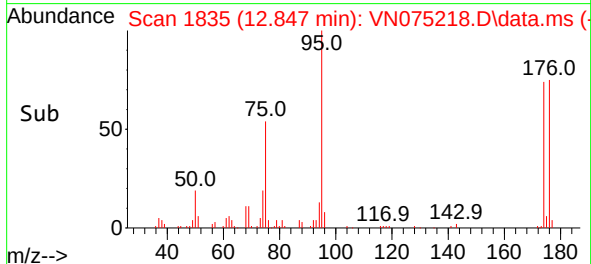
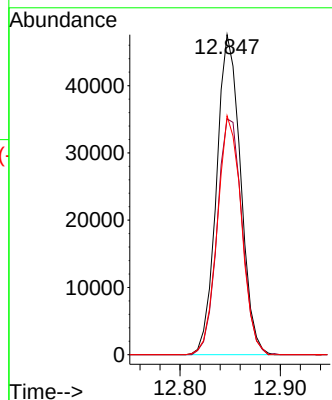
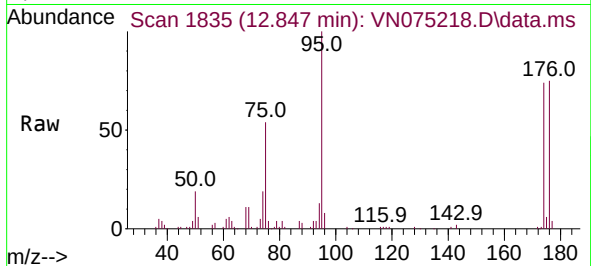




#62
4-Bromofluorobenzene
Concen: 50.892 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

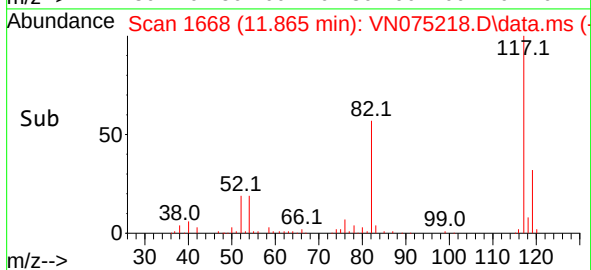
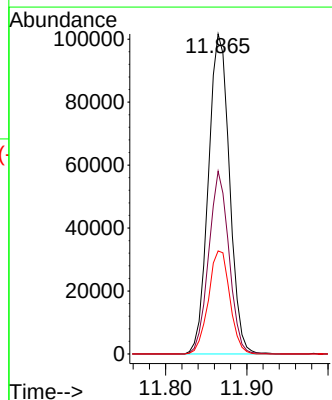
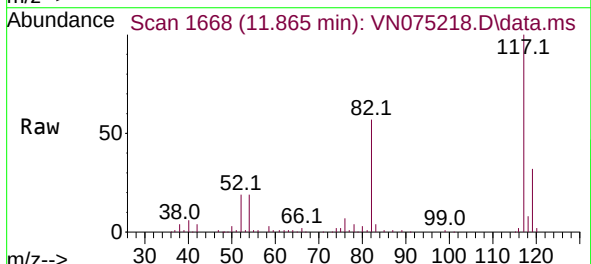
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#04

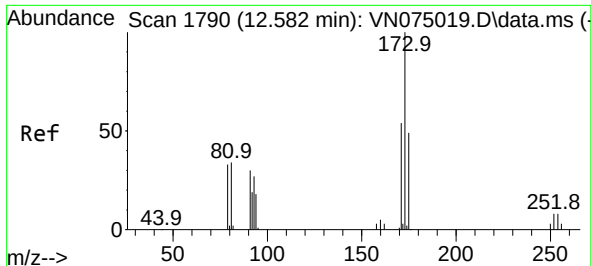
Tgt Ion: 95 Resp: 79136
Ion Ratio Lower Upper
95 100
174 76.1 0.0 147.4
176 75.0 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

Tgt Ion: 117 Resp: 183328
Ion Ratio Lower Upper
117 100
82 57.1 43.1 64.7
119 32.2 25.5 38.3

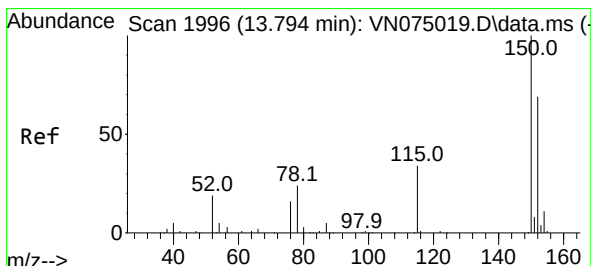
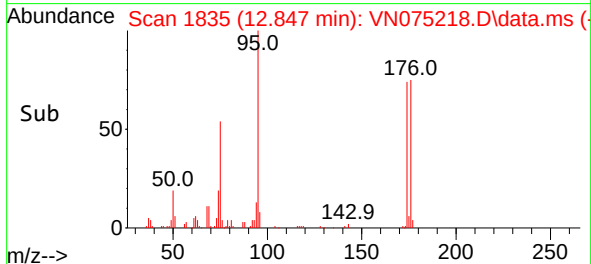
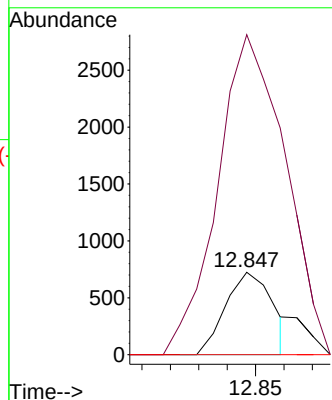
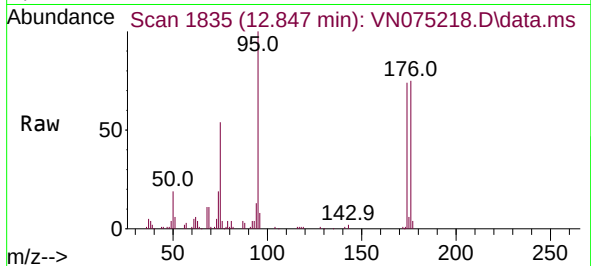




#71
Bromoform
Concen: 0.773 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

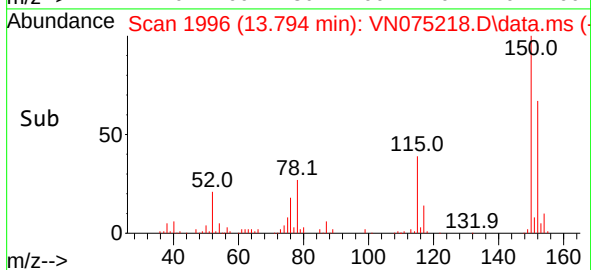
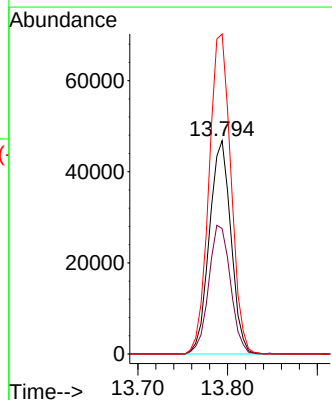
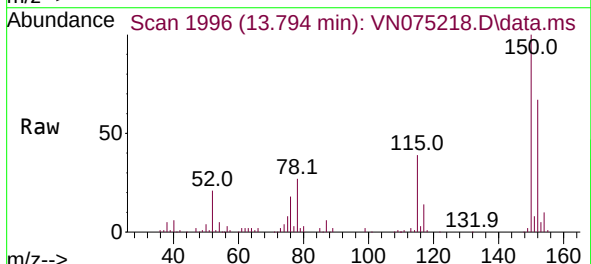
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#04

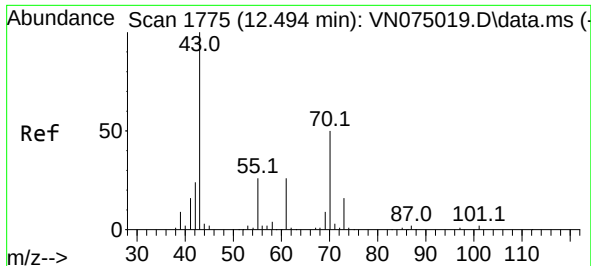
Tgt Ion:173 Resp: 840
Ion Ratio Lower Upper
173 100
175 485.1 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

Tgt Ion:152 Resp: 78111
Ion Ratio Lower Upper
152 100
115 61.0 30.2 90.6
150 152.8 0.0 348.4

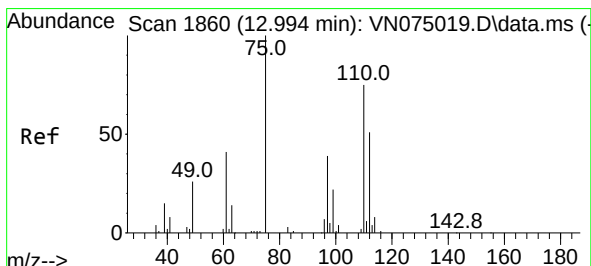
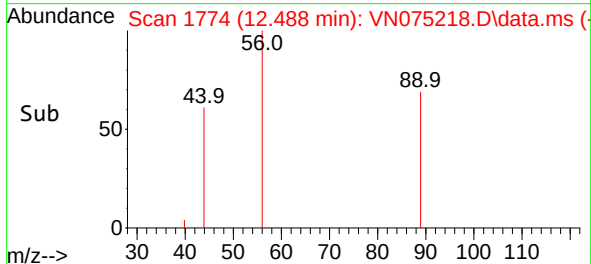
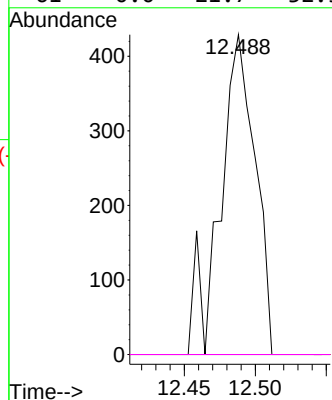
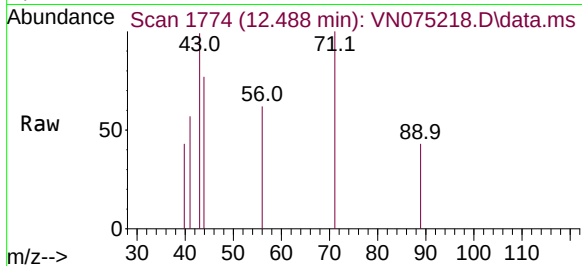




#74
N-amy1 acetate
Concen: 0.320 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

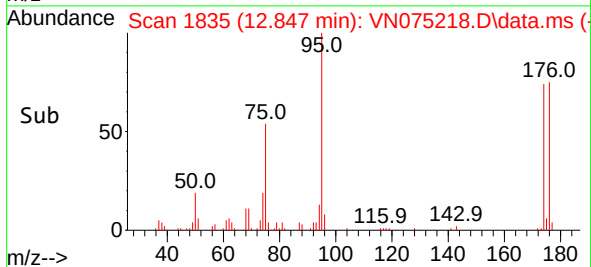
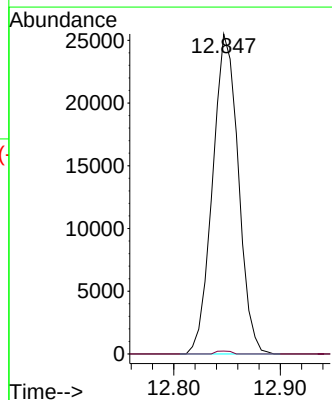
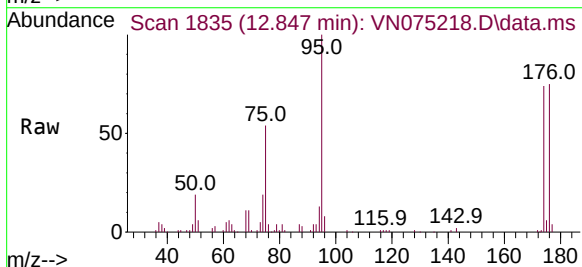
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#04

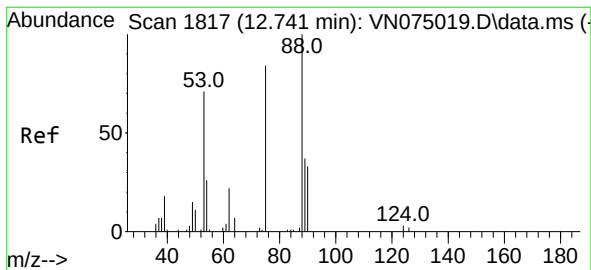
Tgt Ion: 43	Resp: 742
Ion Ratio	Lower Upper
43 100	
70 0.0	39.8 59.8#
55 0.0	19.9 29.9#
61 0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 25.781 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075218.D
Acq: 09 Nov 2022 15:29

Tgt Ion: 75	Resp:	42758	
Ion	Ratio	Lower	Upper
75	100		
77	0.5	75.6	226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.180 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN075218.D
 Acq: 09 Nov 2022 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148908ZHE#04

Tgt Ion: 75 Resp: 42758
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

