

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110722\
 Data File : VN075193.D
 Acq On : 07 Nov 2022 17:22
 Operator : JC\MD
 Sample : PB148848ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148848ZHE#05

Quant Time: Nov 08 01:11:53 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

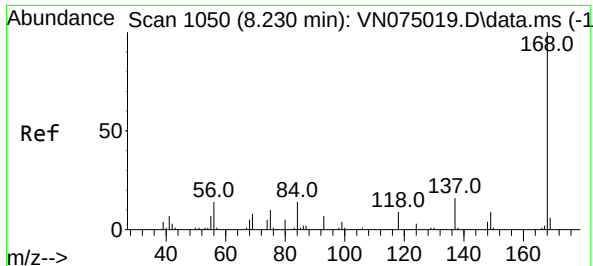
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	96318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	198104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	178434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	69118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	76959	59.301	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.600%			
35) Dibromofluoromethane	8.177	113	61679	53.036	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.080%			
50) Toluene-d8	10.571	98	234134	51.891	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.780%			
62) 4-Bromofluorobenzene	12.853	95	75014	47.328	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.660%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.918	94	355	Below Cal	#	5
6) Chloroethane	3.148	64	306	0.225	ug/l #	45
11) Tert butyl alcohol	5.506	59	5835	19.280	ug/l #	72
16) Acetone	4.453	43	9408	17.121	ug/l	92
18) Methyl Acetate	5.047	43	4624	2.576	ug/l #	77
20) Methylene Chloride	5.289	84	12962	10.579	ug/l	88
25) 2-Butanone	7.506	43	2784	3.221	ug/l	99
29) Tetrahydrofuran	7.853	42	360	0.645	ug/l #	37
31) Cyclohexane	8.230	56	2408	1.248	ug/l #	36
36) 1,1-Dichloropropene	8.235	75	9021	5.010	ug/l #	41
37) Ethyl Acetate	7.565	43	17707	8.968	ug/l	98
38) Carbon Tetrachloride	8.230	117	11318	5.715	ug/l #	17
42) 1,2-Dichloroethane	8.665	62	2067	1.031	ug/l #	75
43) Isopropyl Acetate	8.665	43	619447	202.249	ug/l #	53
45) 1,2-Dichloropropane	9.747	63	997	0.760	ug/l #	42
48) Methyl methacrylate	9.665	41	2348	1.671	ug/l #	40
51) 4-Methyl-2-Pentanone	10.359	43	54791	27.722	ug/l #	45
53) t-1,3-Dichloropropene	10.735	75	515	0.247	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	30422	13.729	ug/l #	67
56) Ethyl methacrylate	10.982	69	700	0.314	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4131	1.698	ug/l #	42
59) 2-Hexanone	11.176	43	61015	40.675	ug/l #	21
71) Bromoform	12.853	173	628	0.594	ug/l #	1
74) N-amyl acetate	12.488	43	1297	0.632	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	40529	27.617	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	40529	70.892	ug/l #	10

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

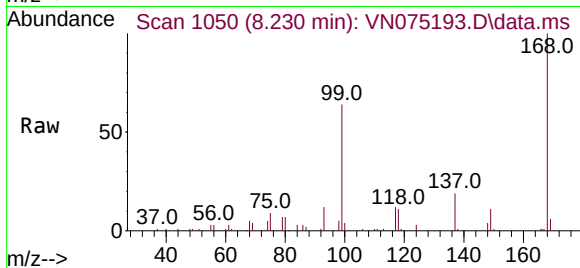
Quant Time: Nov 08 01:11:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



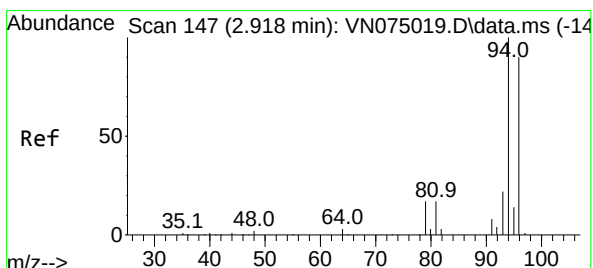
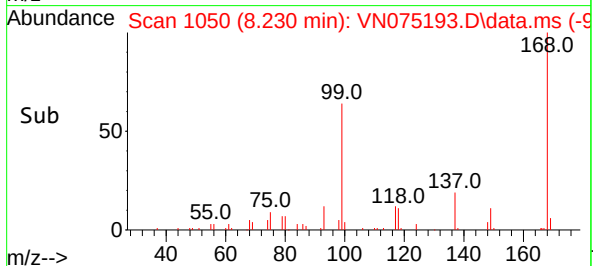
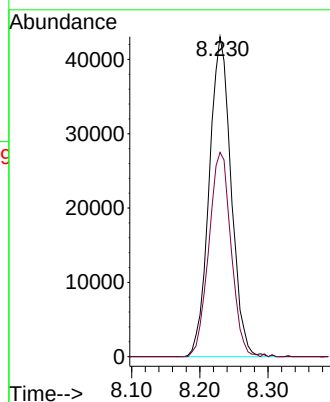


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#05

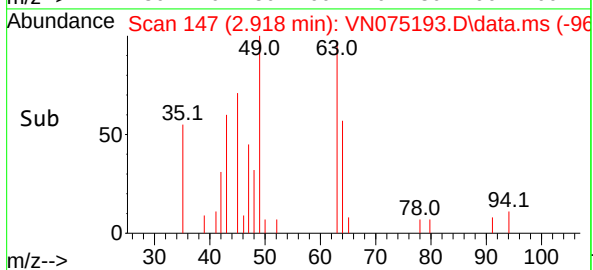
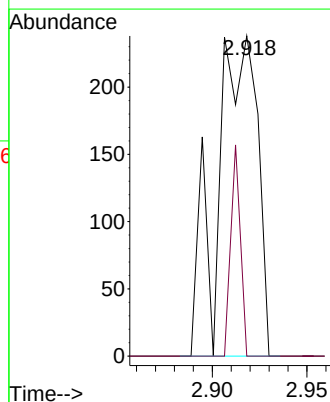
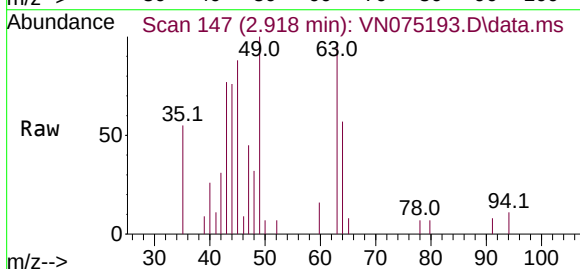


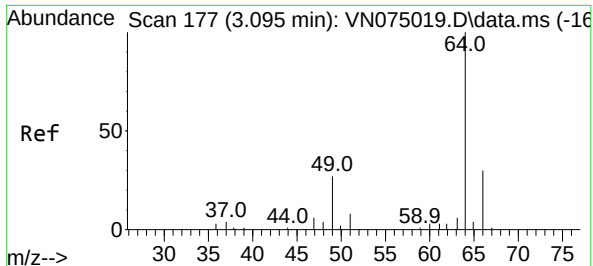
Tgt Ion:168 Resp: 96318
Ion Ratio Lower Upper
168 100
99 63.9 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

Tgt Ion: 94 Resp: 355
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

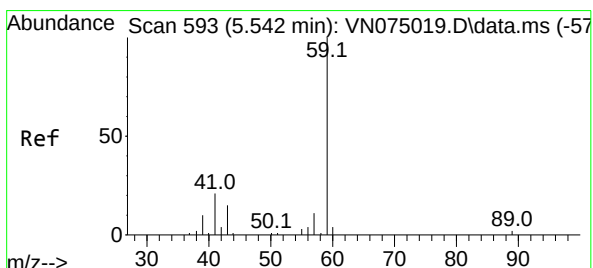
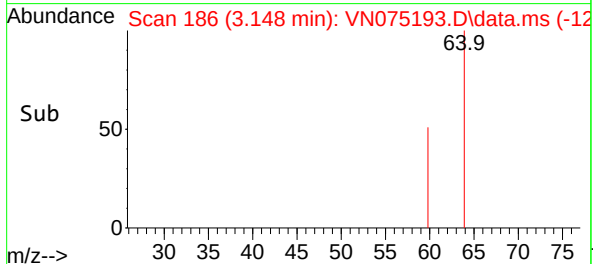
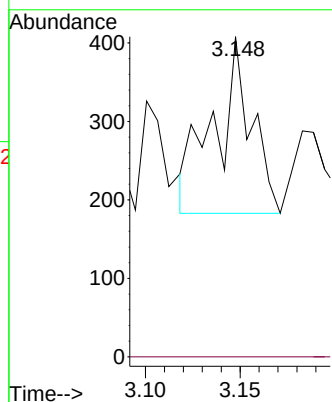
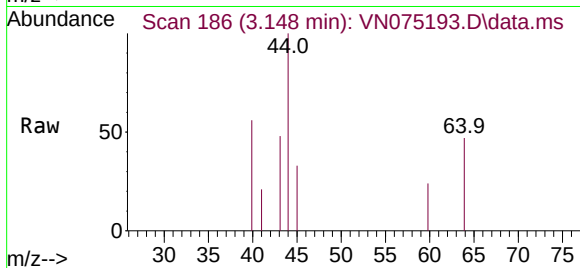




#6
Chloroethane
Concen: 0.225 ug/l
RT: 3.148 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

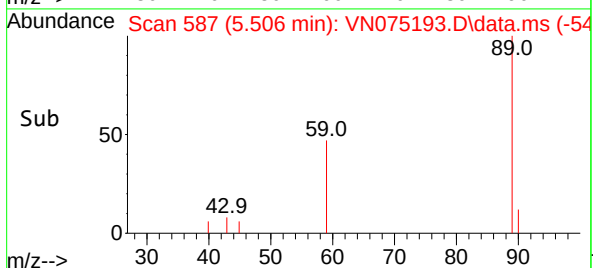
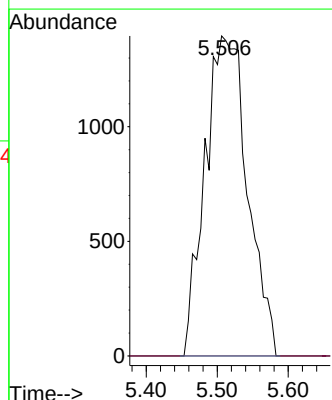
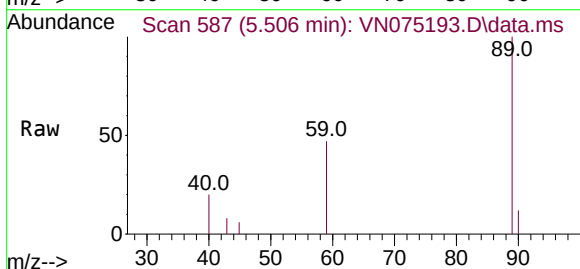
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#05

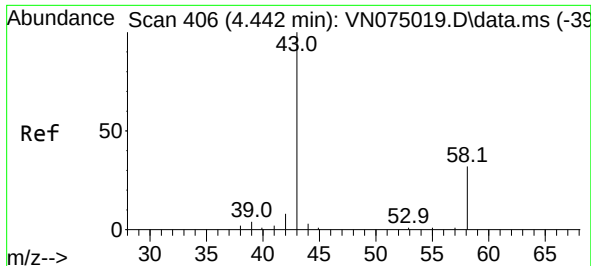
Tgt Ion: 64 Resp: 306
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 19.280 ug/l
RT: 5.506 min Scan# 587
Delta R.T. -0.036 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

Tgt Ion: 59 Resp: 5835
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

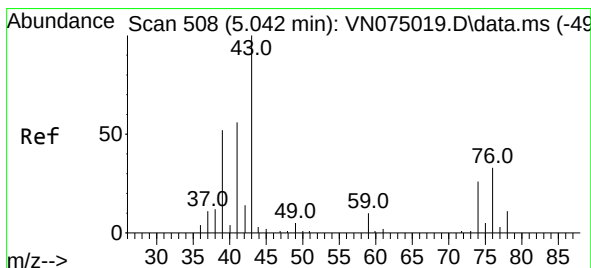
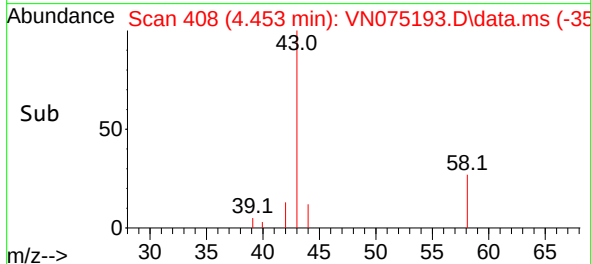
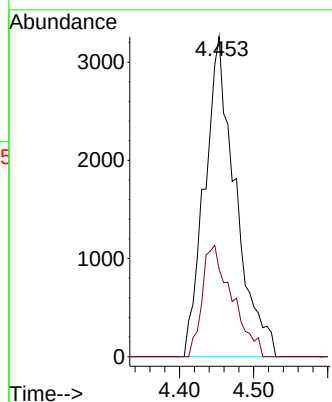
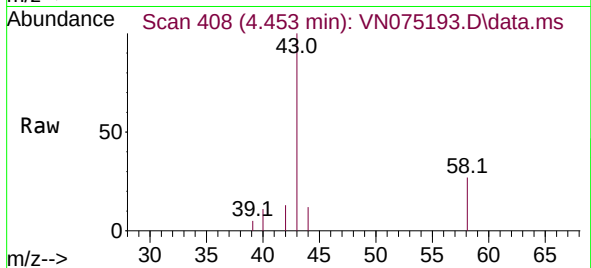




#16
Acetone
Concen: 17.121 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

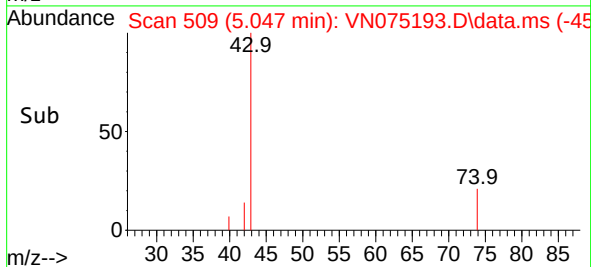
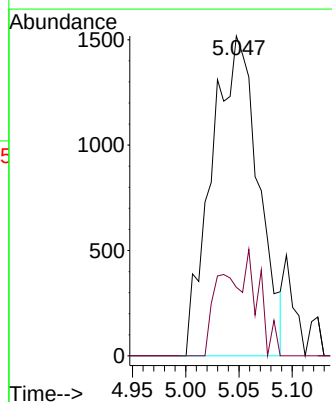
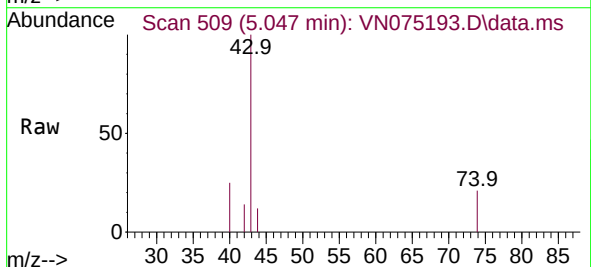
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#05

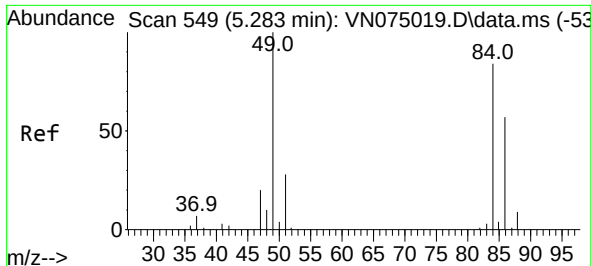
Tgt Ion: 43 Resp: 9408
Ion Ratio Lower Upper
43 100
58 27.4 25.5 38.3



#18
Methyl Acetate
Concen: 2.576 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.005 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

Tgt Ion: 43 Resp: 4624
Ion Ratio Lower Upper
43 100
74 15.3 22.0 33.0#

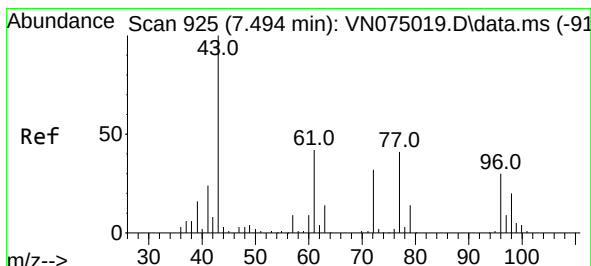
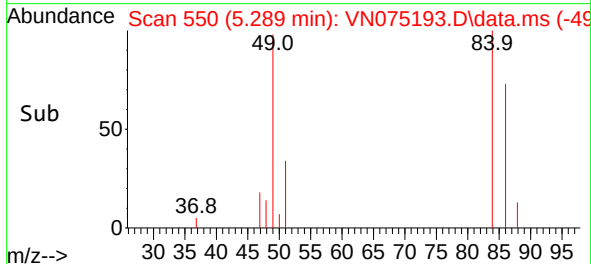
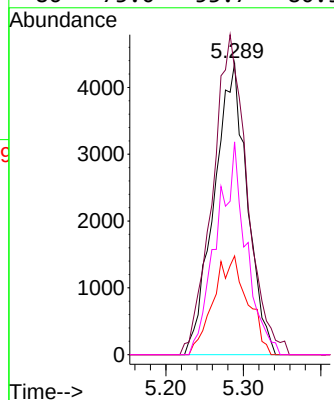
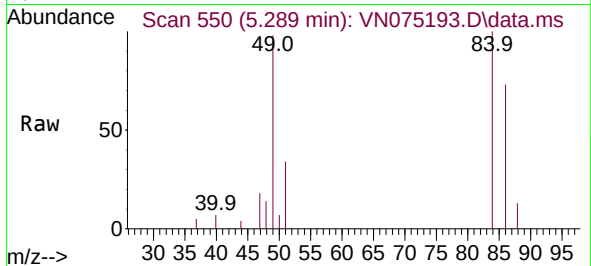




#20
Methylene Chloride
Concen: 10.579 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

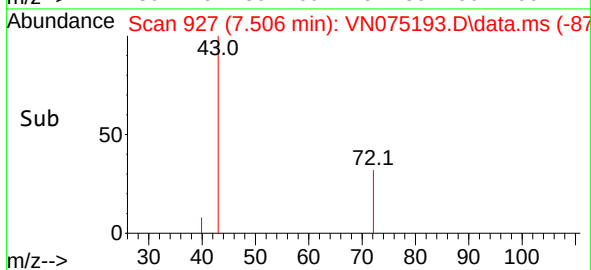
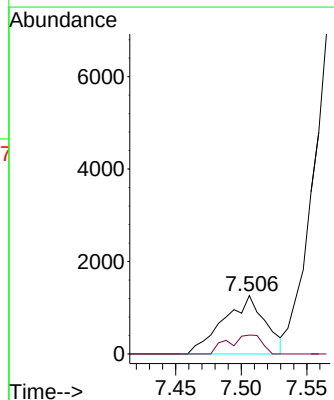
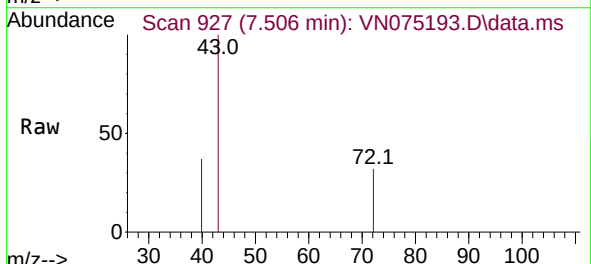
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#05

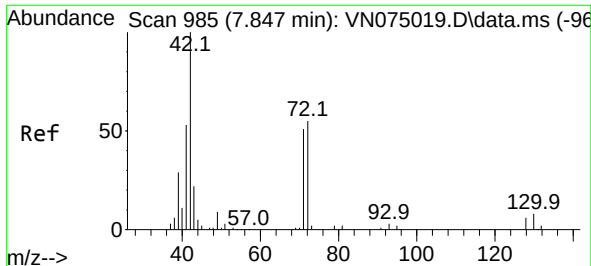
Tgt Ion: 84	Resp: 12962
Ion Ratio	Lower Upper
84 100	
49 98.0	94.9 142.3
51 33.9	26.8 40.2
86 73.0	53.7 80.5



#25
2-Butanone
Concen: 3.221 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.012 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

Tgt Ion: 43	Resp: 2784		
Ion Ratio	Lower	Upper	
43 100			
72 32.3	25.5	38.3	





#29

Tetrahydrofuran

Concen: 0.645 ug/l

RT: 7.853 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN075193.D

Acq: 07 Nov 2022 17:22

Instrument :

MSVOA_N

ClientSampleId :

PB148848ZHE#05

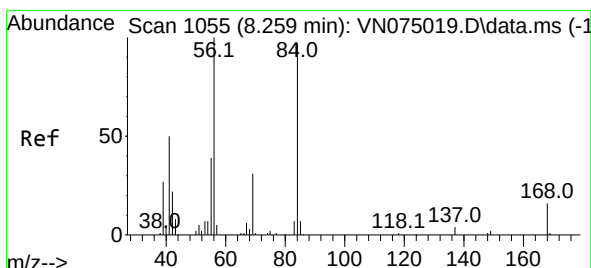
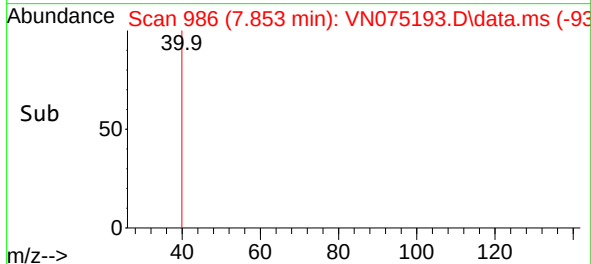
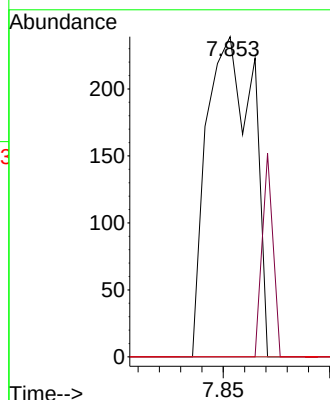
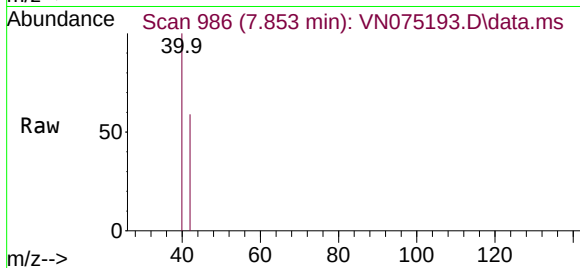
Tgt Ion: 42 Resp: 360

Ion Ratio Lower Upper

42 100

72 15.0 43.0 64.6#

71 0.0 39.9 59.9#



#31

Cyclohexane

Concen: 1.248 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN075193.D

Acq: 07 Nov 2022 17:22

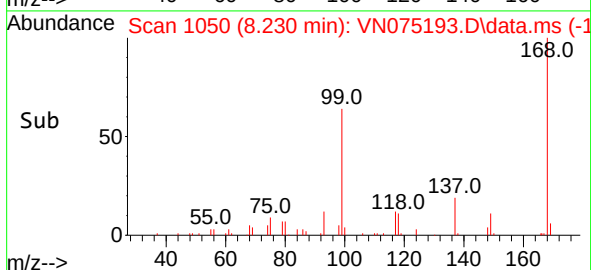
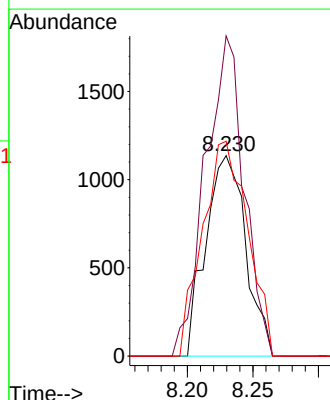
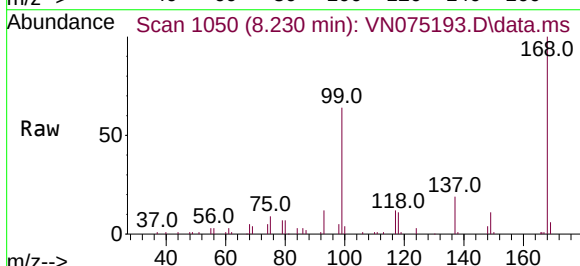
Tgt Ion: 56 Resp: 2408

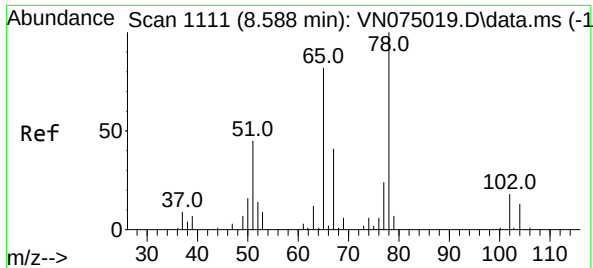
Ion Ratio Lower Upper

56 100

69 159.8 25.2 37.8#

84 107.2 77.8 116.8





#33

1,2-Dichloroethane-d4

Concen: 59.301 ug/l

RT: 8.583 min Scan# 1111

Delta R.T. -0.005 min

Lab File: VN075193.D

Acq: 07 Nov 2022 17:22

Instrument :

MSVOA_N

ClientSampleId :

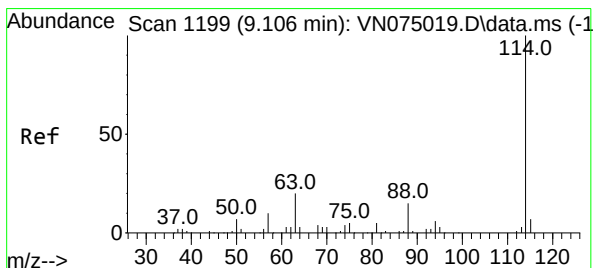
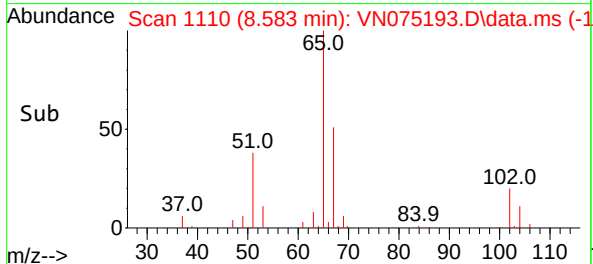
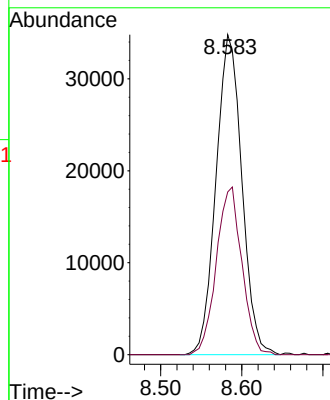
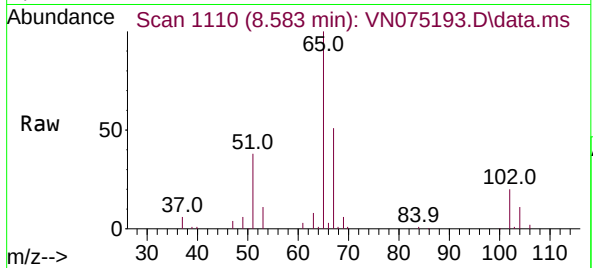
PB148848ZHE#05

Tgt Ion: 65 Resp: 76959

Ion Ratio Lower Upper

65 100

67 51.8 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: VN075193.D

Acq: 07 Nov 2022 17:22

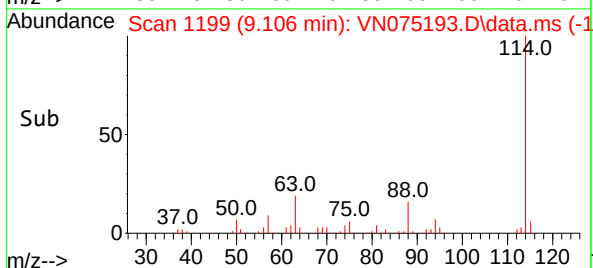
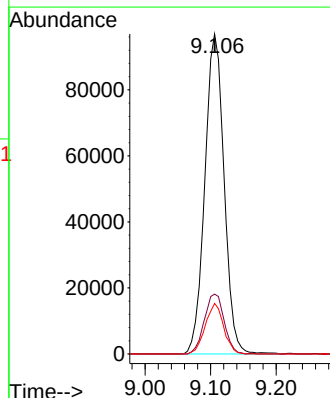
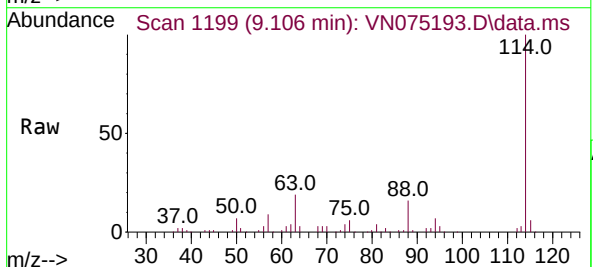
Tgt Ion: 114 Resp: 198104

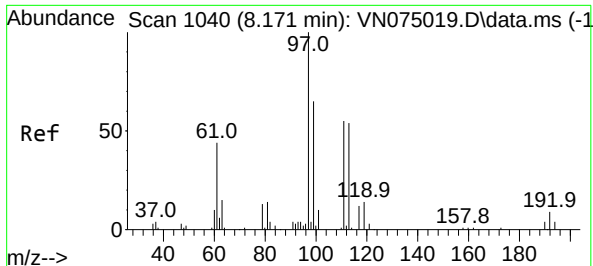
Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.6

88 15.8 0.0 29.0

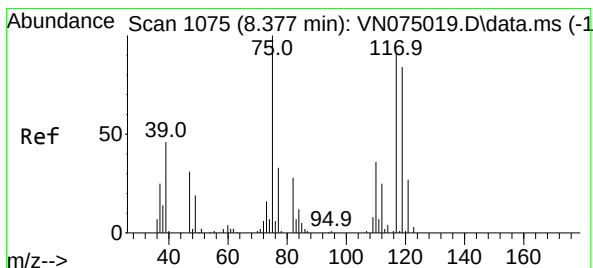
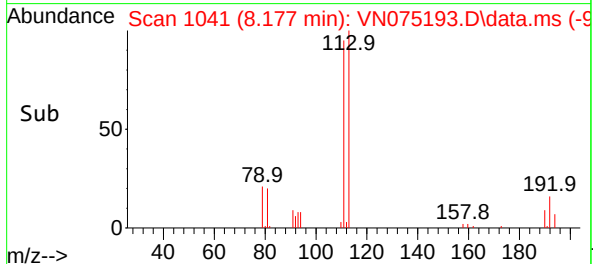
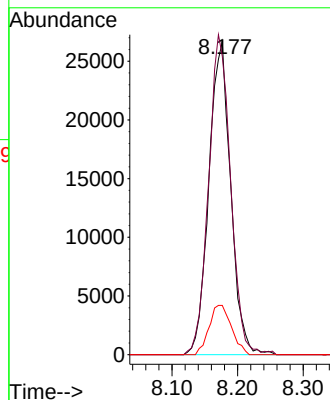
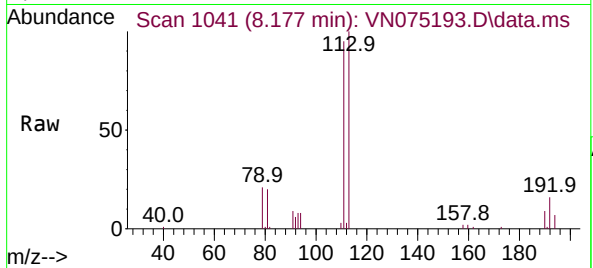




#35
Dibromofluoromethane
Concen: 53.036 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

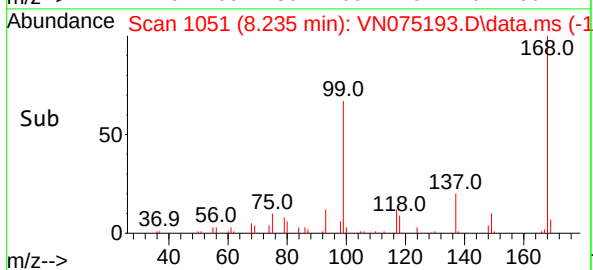
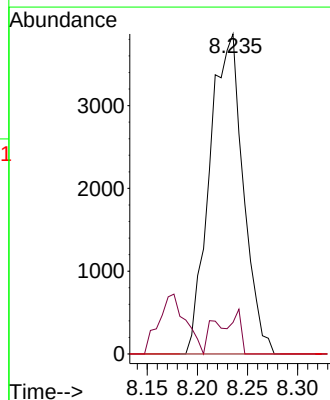
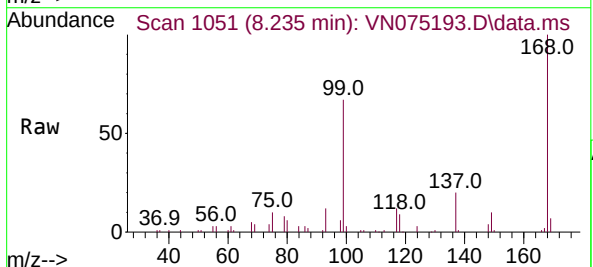
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#05

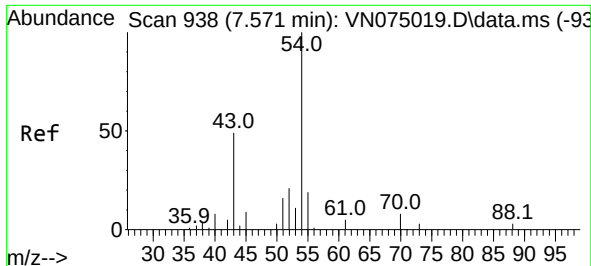
Tgt Ion:113 Resp: 61679
Ion Ratio Lower Upper
113 100
111 103.1 80.5 120.7
192 16.2 13.2 19.8



#36
1,1-Dichloropropene
Concen: 5.010 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.142 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

Tgt Ion: 75 Resp: 9021
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.3#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 8.968 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN075193.D

Acq: 07 Nov 2022 17:22

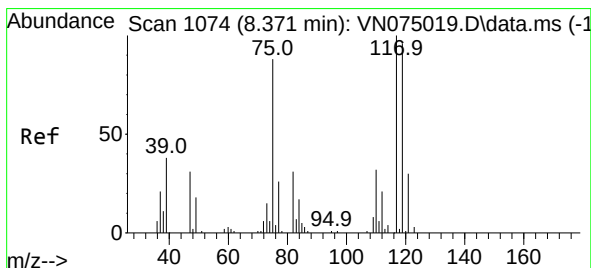
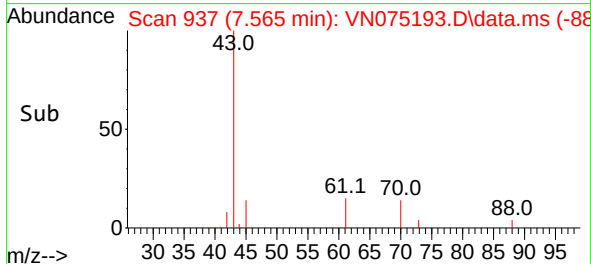
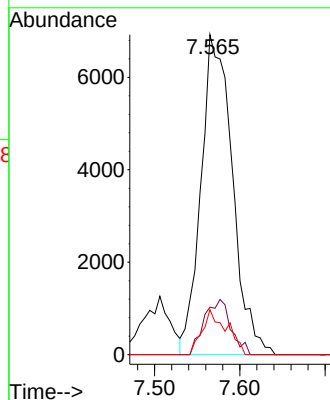
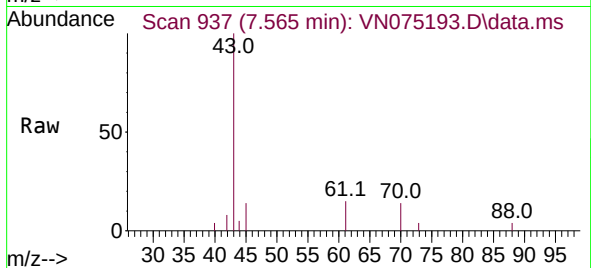
Instrument :

MSVOA_N

ClientSampleId :

PB148848ZHE#05

Tgt Ion:	43	Resp:	17707
Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.4
70	10.9	9.4	14.2



#38

Carbon Tetrachloride

Concen: 5.715 ug/l

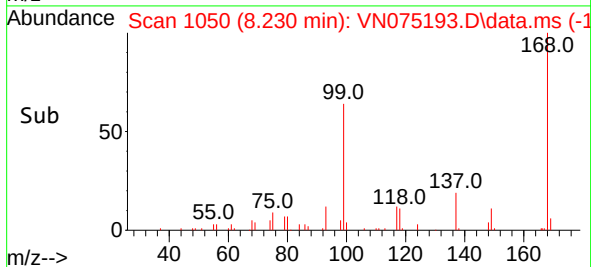
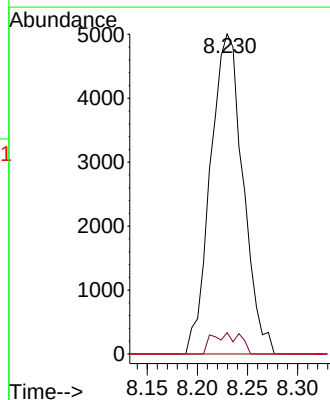
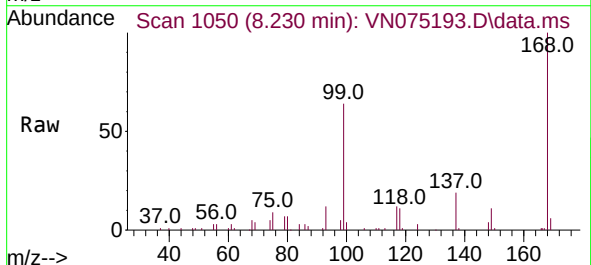
RT: 8.230 min Scan# 1050

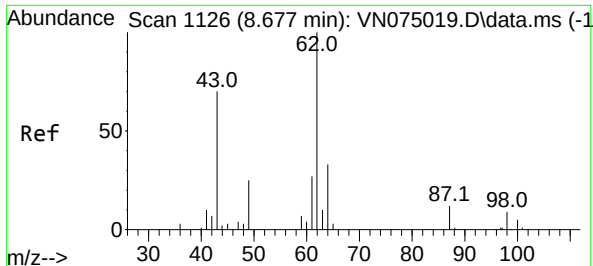
Delta R.T. -0.141 min

Lab File: VN075193.D

Acq: 07 Nov 2022 17:22

Tgt Ion:	117	Resp:	11318
Ion	Ratio	Lower	Upper
117	100		
119	6.7	76.7	115.1#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 1.031 ug/l

RT: 8.665 min Scan# 1124

Delta R.T. -0.012 min

Lab File: VN075193.D

Acq: 07 Nov 2022 17:22

Instrument :

MSVOA_N

ClientSampleId :

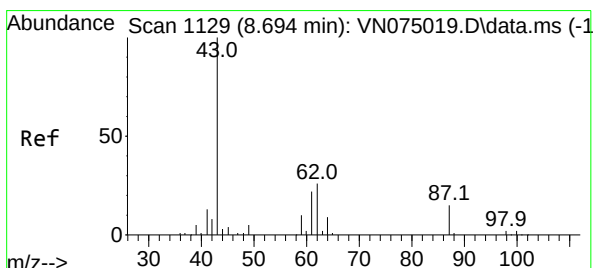
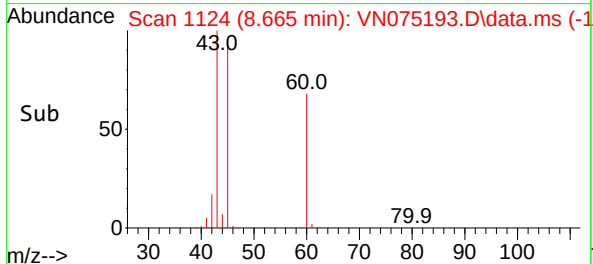
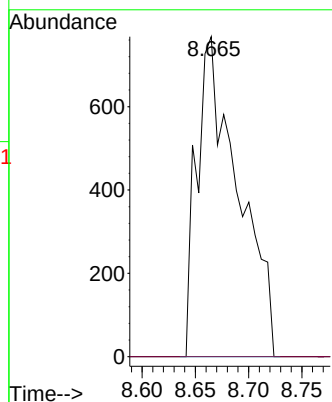
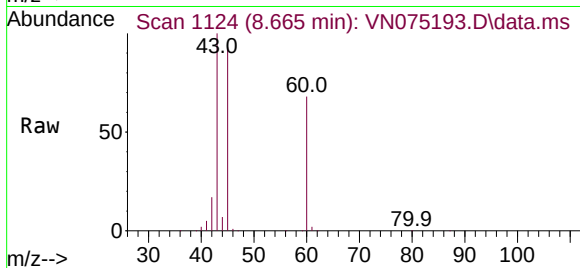
PB148848ZHE#05

Tgt Ion: 62 Resp: 2067

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 202.249 ug/l

RT: 8.665 min Scan# 1124

Delta R.T. -0.029 min

Lab File: VN075193.D

Acq: 07 Nov 2022 17:22

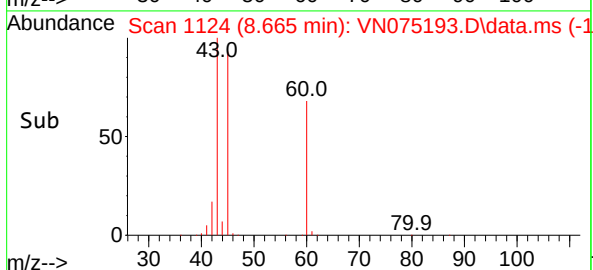
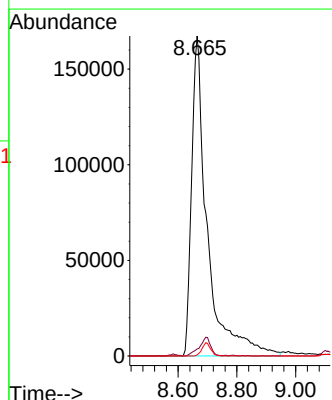
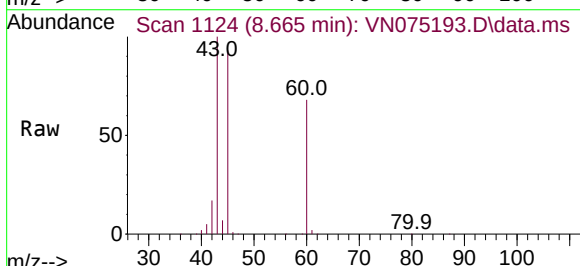
Tgt Ion: 43 Resp: 619447

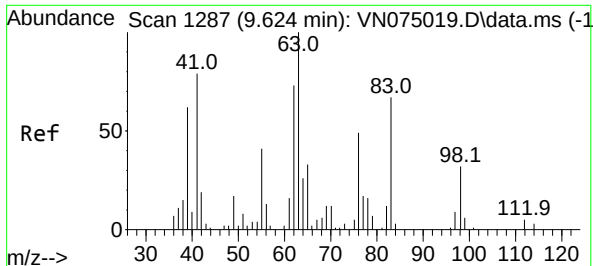
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.760 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.123 min

Lab File: VN075193.D

Acq: 07 Nov 2022 17:22

Instrument :

MSVOA_N

ClientSampleId :

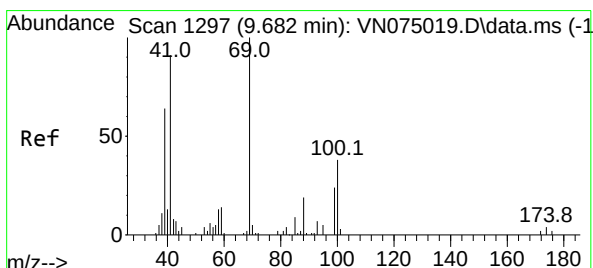
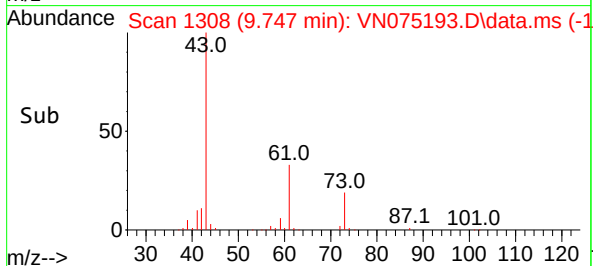
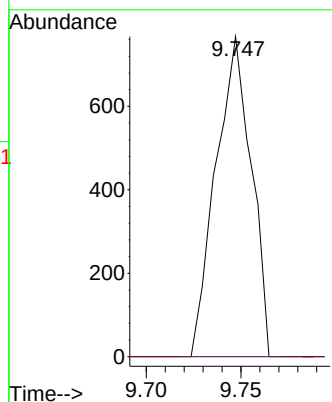
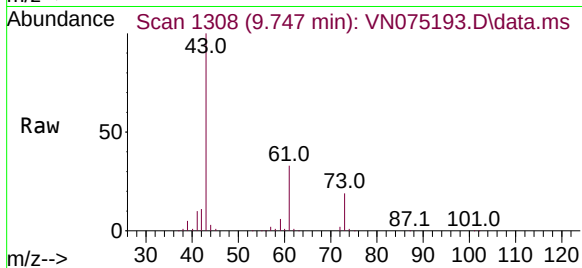
PB148848ZHE#05

Tgt Ion: 63 Resp: 997

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.671 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.017 min

Lab File: VN075193.D

Acq: 07 Nov 2022 17:22

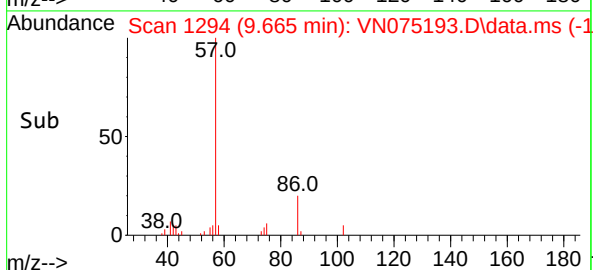
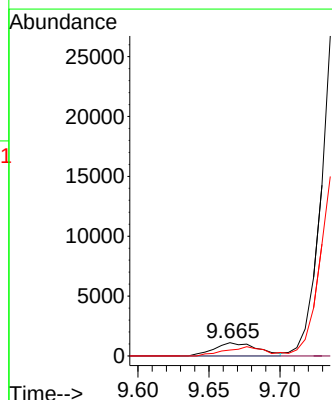
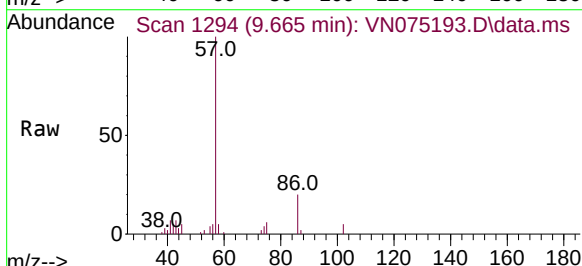
Tgt Ion: 41 Resp: 2348

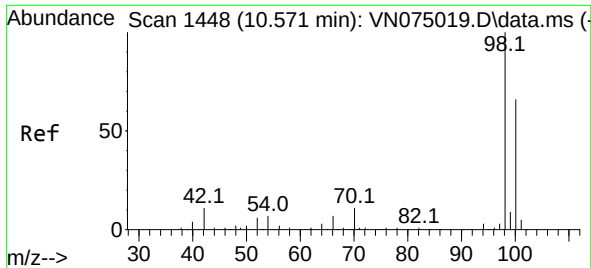
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 67.8 56.2 84.2

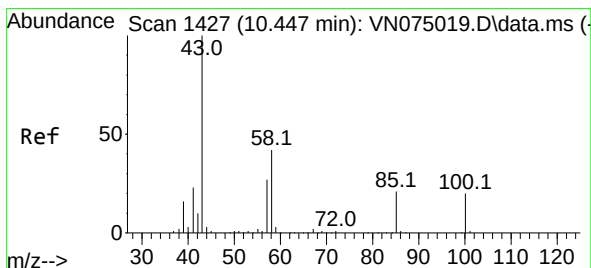
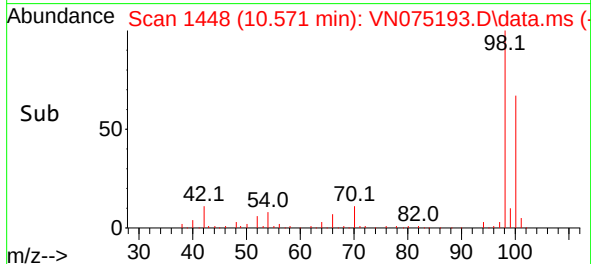
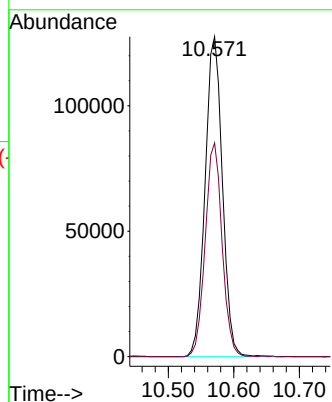
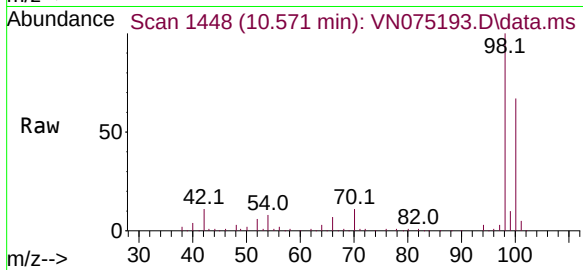




#50
Toluene-d8
Concen: 51.891 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

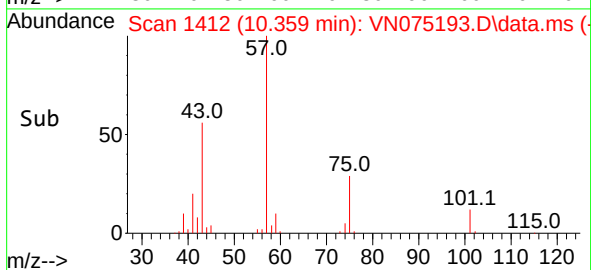
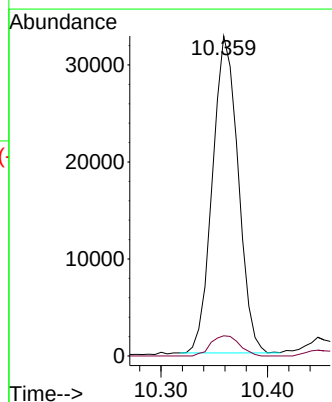
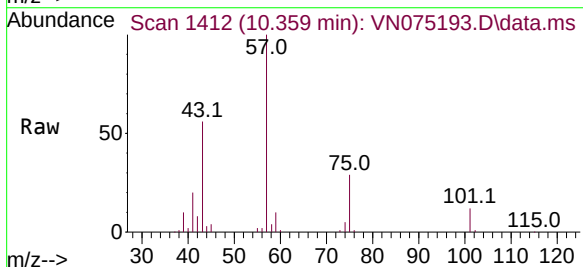
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#05

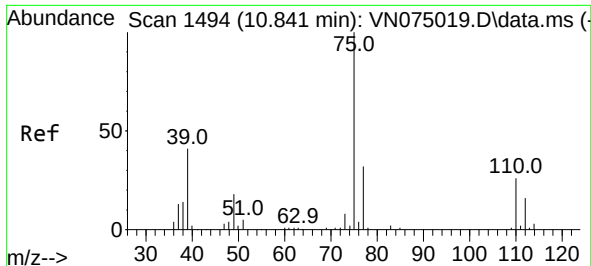
Tgt Ion: 98 Resp: 234134
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 27.722 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

Tgt Ion: 43 Resp: 54791
Ion Ratio Lower Upper
43 100
58 7.1 33.6 50.4#

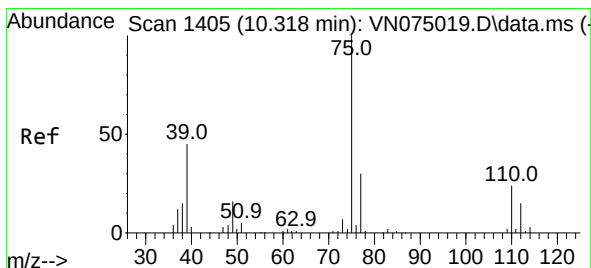
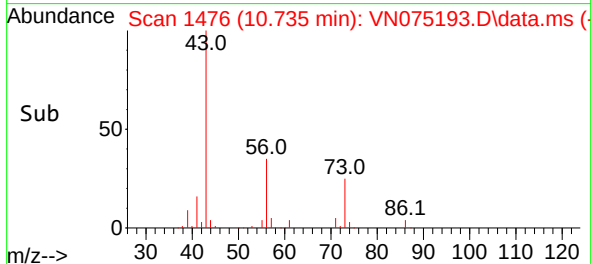
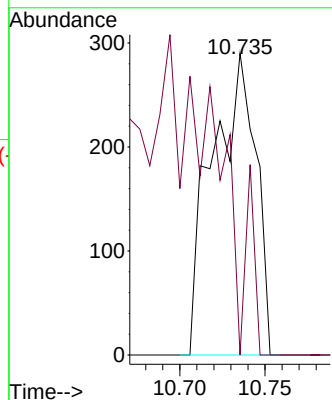
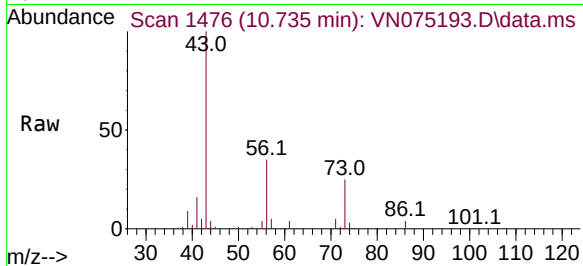




#53
 t-1,3-Dichloropropene
 Concen: 0.247 ug/l
 RT: 10.735 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN075193.D
 Acq: 07 Nov 2022 17:22

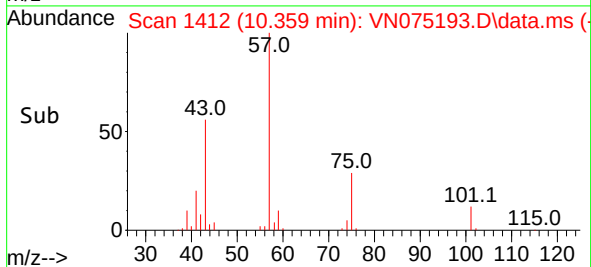
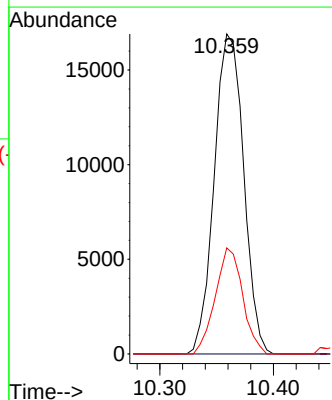
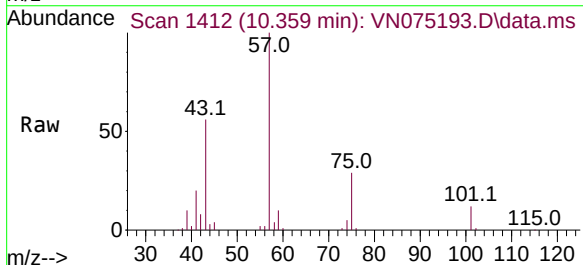
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148848ZHE#05

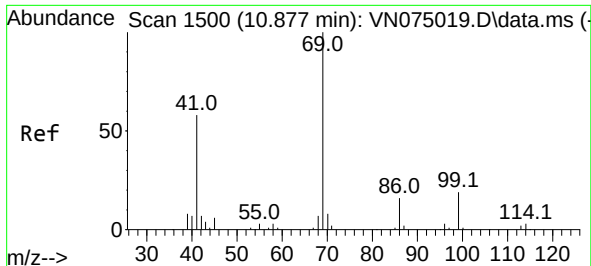
Tgt Ion: 75 Resp: 515
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 13.729 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075193.D
 Acq: 07 Nov 2022 17:22

Tgt Ion: 75 Resp: 30422
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 33.1 35.8 53.6#

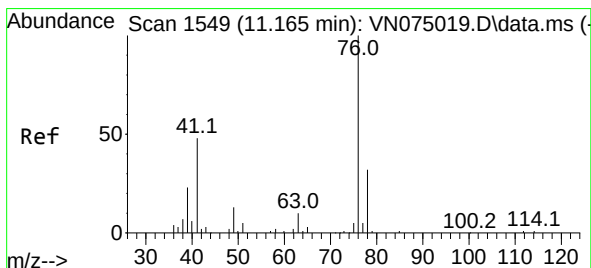
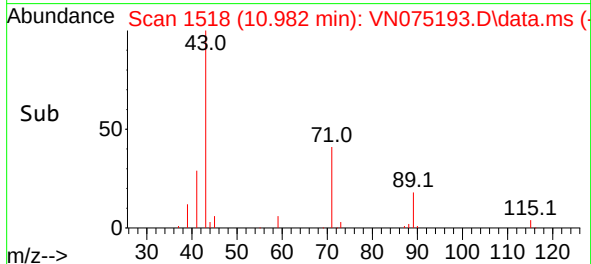
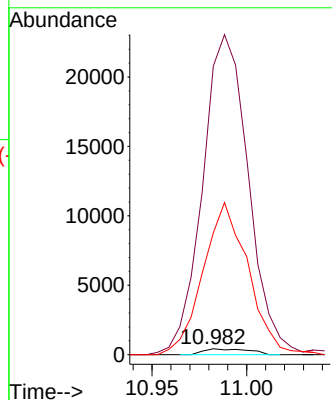
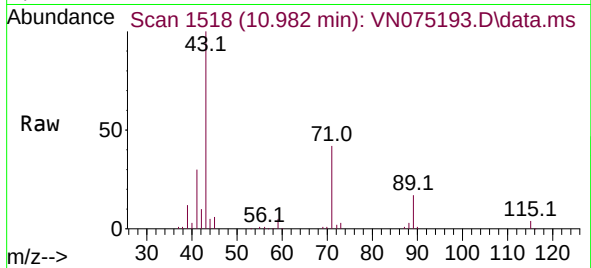




#56
Ethyl methacrylate
Concen: 0.314 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

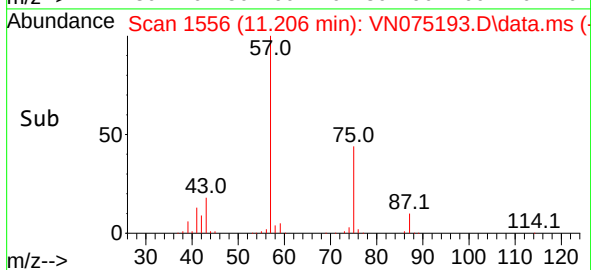
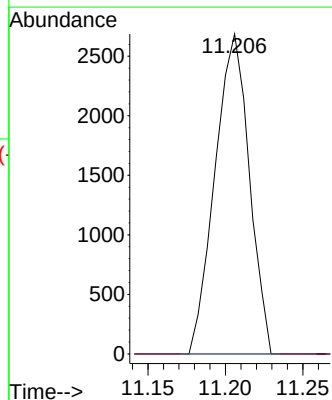
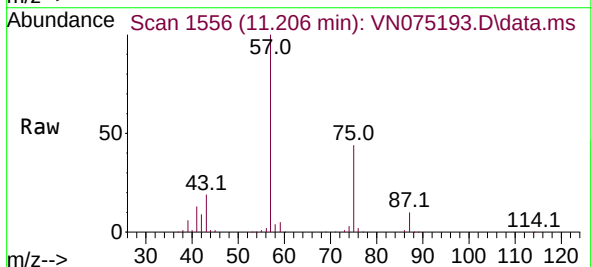
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#05

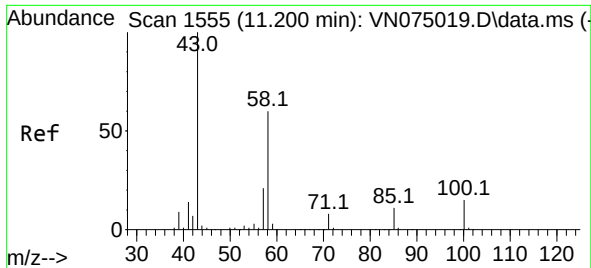
Tgt Ion: 69 Resp: 700
Ion Ratio Lower Upper
69 100
41 5599.4 45.6 68.4#
39 2603.3 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.698 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

Tgt Ion: 76 Resp: 4131
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

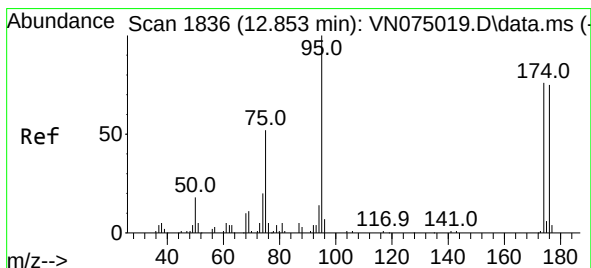
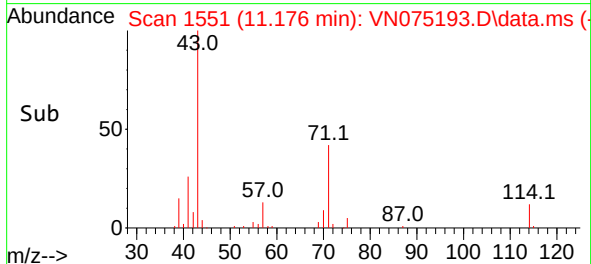
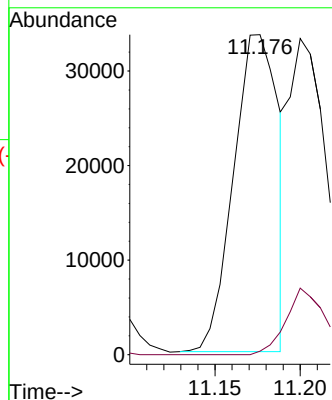
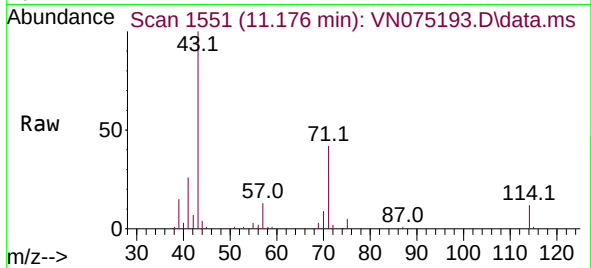




#59
2-Hexanone
Concen: 40.675 ug/l
RT: 11.176 min Scan# 1115
Delta R.T. -0.024 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

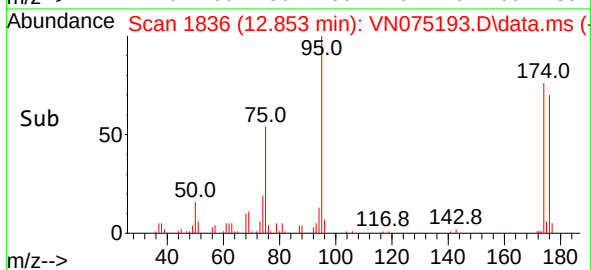
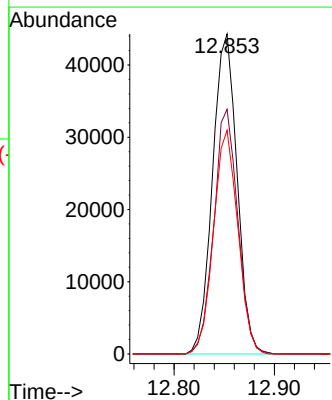
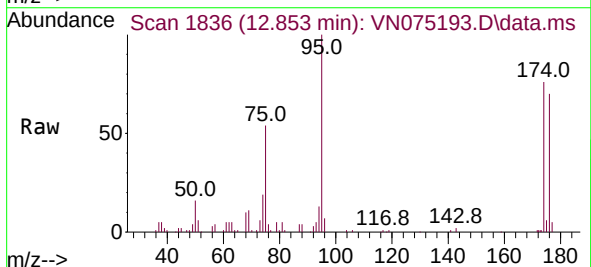
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#05

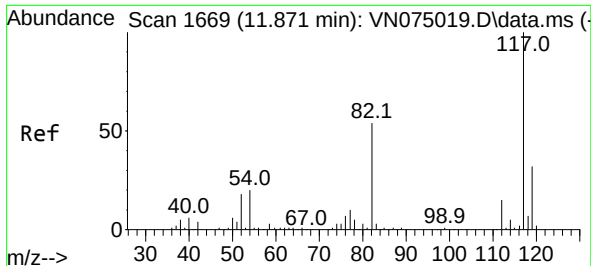
Tgt Ion: 43 Resp: 61015
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 47.328 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

Tgt Ion: 95 Resp: 75014
Ion Ratio Lower Upper
95 100
174 75.0 0.0 147.4
176 69.5 0.0 142.2

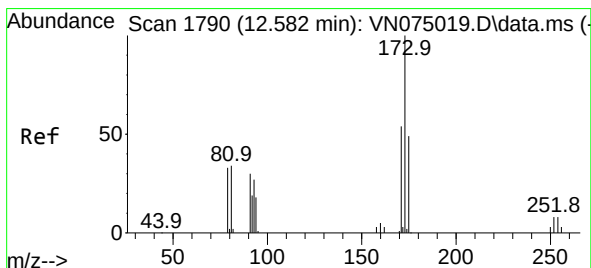
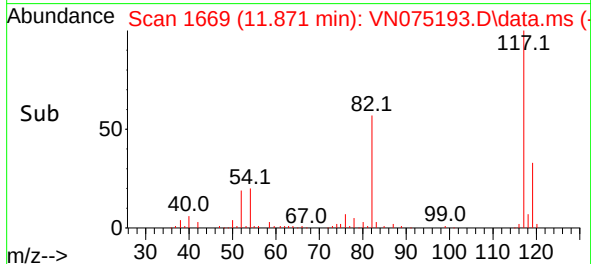
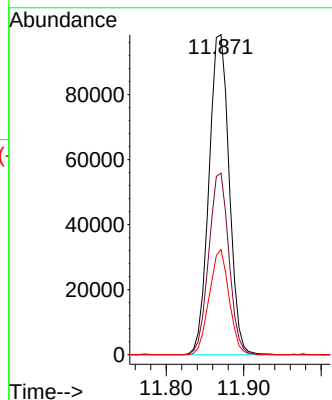
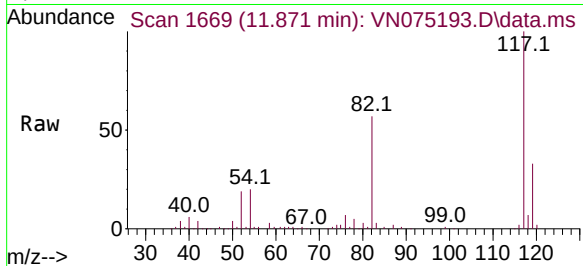




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

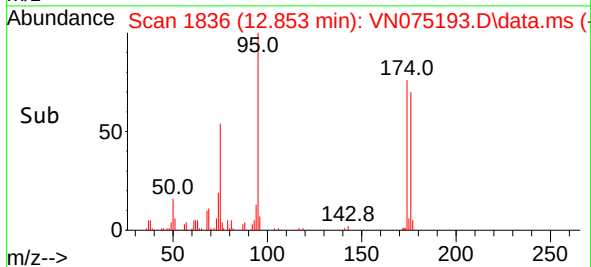
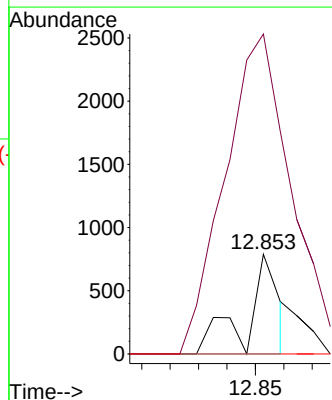
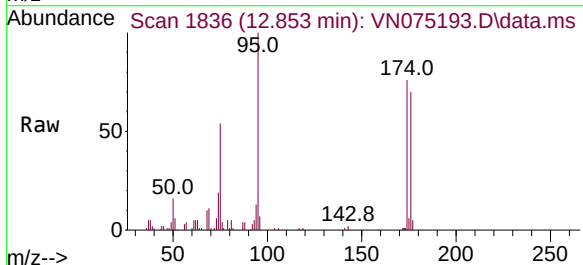
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#05

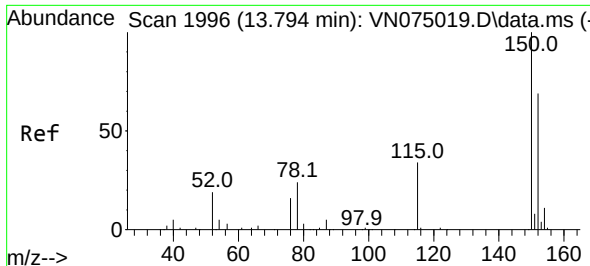
Tgt Ion:117 Resp: 178434
Ion Ratio Lower Upper
117 100
82 56.7 43.1 64.7
119 32.9 25.5 38.3



#71
Bromoform
Concen: 0.594 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

Tgt Ion:173 Resp: 628
Ion Ratio Lower Upper
173 100
175 539.3 24.6 74.0#
254 0.0 0.0 0.0

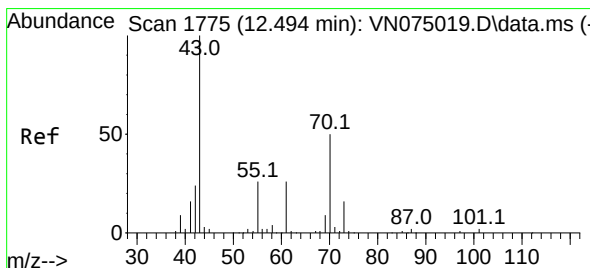
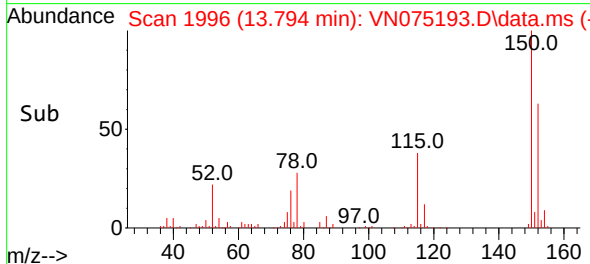
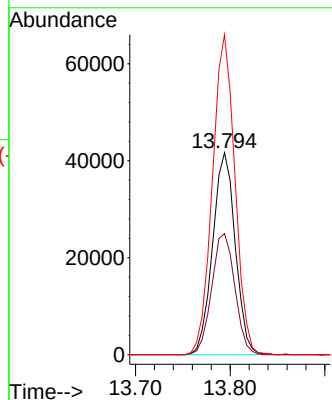
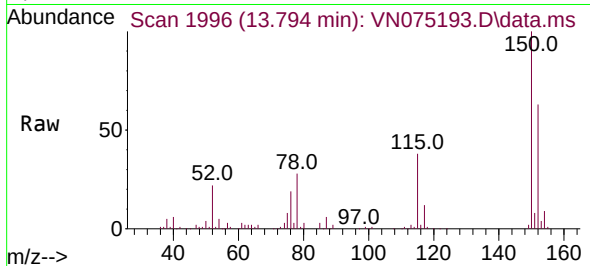




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

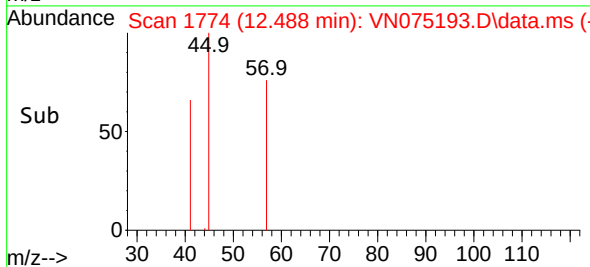
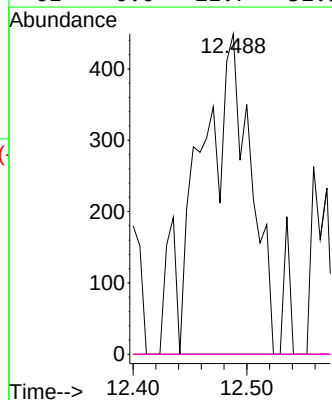
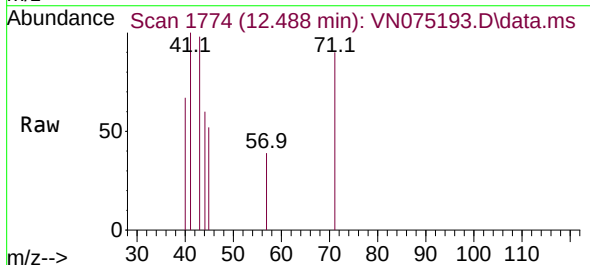
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#05

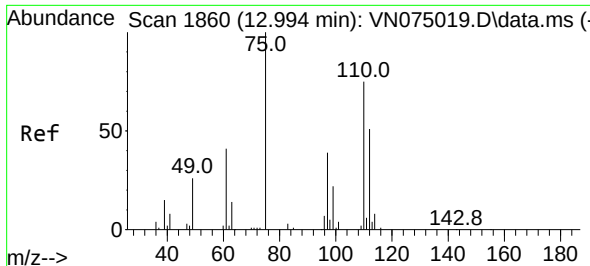
Tgt Ion:152 Resp: 69118
Ion Ratio Lower Upper
152 100
115 61.3 30.2 90.6
150 157.5 0.0 348.4



#74
N-ethyl acetate
Concen: 0.632 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

Tgt Ion: 43 Resp: 1297
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#

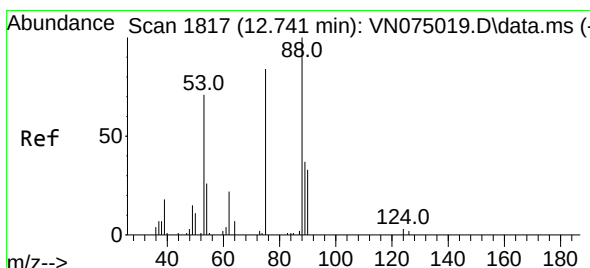
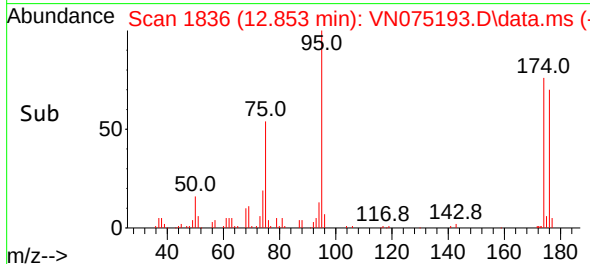
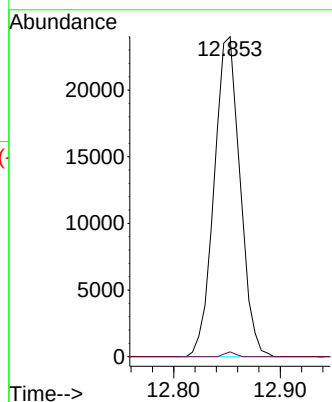
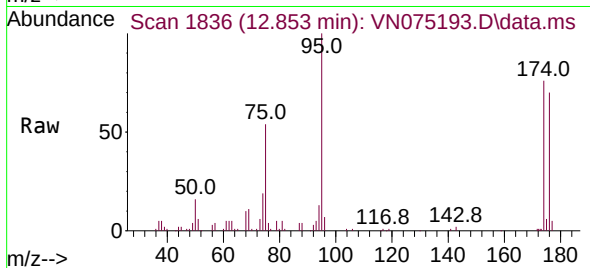




#76
1,2,3-Trichloropropane
Concen: 27.617 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#05

Tgt Ion: 75 Resp: 40529
Ion Ratio Lower Upper
75 100
77 0.6 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.892 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075193.D
Acq: 07 Nov 2022 17:22

Tgt Ion: 75 Resp: 40529
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

