

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010423\
 Data File : VN076083.D
 Acq On : 04 Jan 2023 15:53
 Operator : JC\MD
 Sample : PB150013ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150013ZHE#04

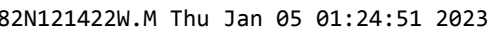
Quant Time: Jan 05 01:24:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

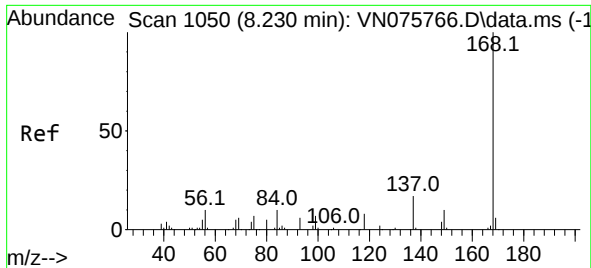
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	325707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	537200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	481352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	191797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	175783	49.609	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.220%		
35) Dibromofluoromethane	8.177	113	157074	47.215	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.420%		
50) Toluene-d8	10.571	98	628235	50.507	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.020%		
62) 4-Bromofluorobenzene	12.853	95	198127	48.092	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.180%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.512	59	802	1.600	ug/l #	72
16) Acetone	4.447	43	41596	34.054	ug/l	94
18) Methyl Acetate	5.053	43	2926	0.810	ug/l	93
20) Methylene Chloride	5.283	84	11239	2.836	ug/l #	78
25) 2-Butanone	7.494	43	9403	5.498	ug/l #	87
29) Tetrahydrofuran	7.859	42	685	0.639	ug/l #	31
31) Cyclohexane	8.230	56	6618	1.304	ug/l #	28
36) 1,1-Dichloropropene	8.235	75	22790	5.157	ug/l #	50
37) Ethyl Acetate	7.571	43	30383	8.559	ug/l	98
38) Carbon Tetrachloride	8.235	117	33029	6.678	ug/l #	15
41) Methacrylonitrile	7.871	41	434	0.235	ug/l #	23
42) 1,2-Dichloroethane	8.694	62	1817	0.401	ug/l #	72
43) Isopropyl Acetate	8.694	43	211244	36.075	ug/l #	81
45) 1,2-Dichloropropane	9.741	63	2153	0.649	ug/l #	43
48) Methyl methacrylate	9.665	41	4389	1.664	ug/l #	6
49) 1,4-Dioxane	9.747	88	208	3.208	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	14737	4.162	ug/l #	83
53) t-1,3-Dichloropropene	10.735	75	1255	0.266	ug/l #	51
54) cis-1,3-Dichloropropene	10.365	75	60891	11.739	ug/l #	63
56) Ethyl methacrylate	10.988	69	1607	0.347	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8322	1.456	ug/l #	42
59) 2-Hexanone	11.206	43	79842	30.916	ug/l #	51
71) Bromoform	12.853	173	1755	0.659	ug/l #	1
74) N-amyl acetate	12.306	43	32256	7.933	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	102602	26.538	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	102602	95.525	ug/l #	12
95) Naphthalene	15.647	128	1050	2.274	ug/l #	69

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

Quant Time: Jan 05 01:24:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

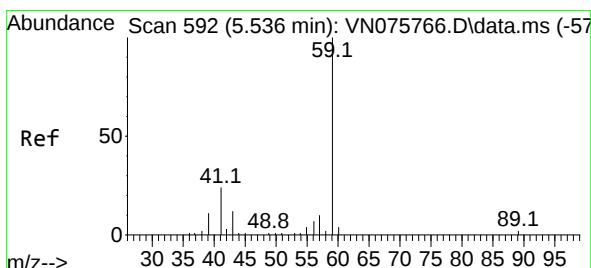
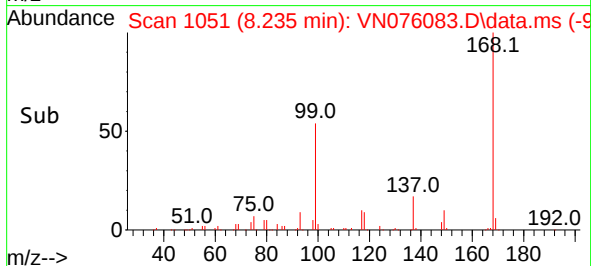
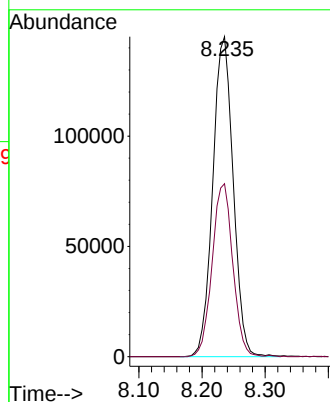
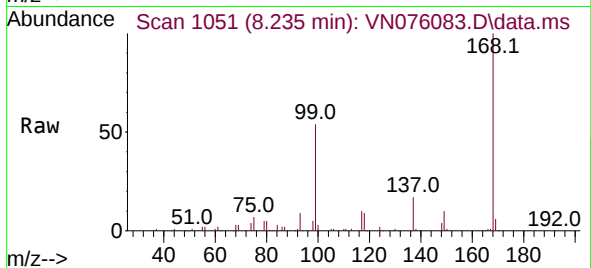




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1050
Delta R.T. 0.005 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

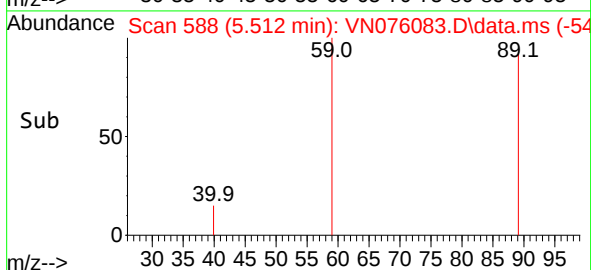
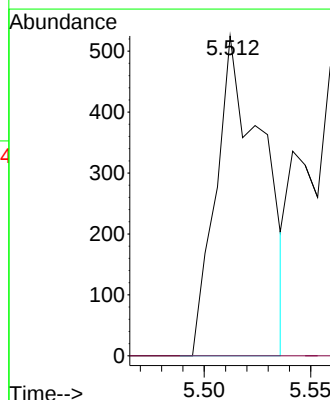
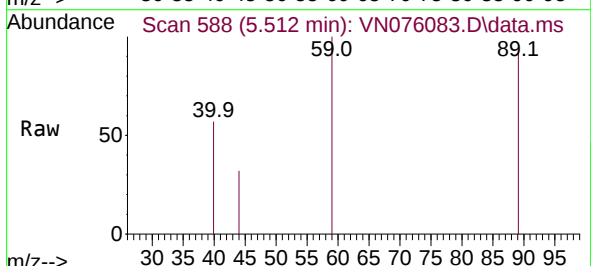
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#04

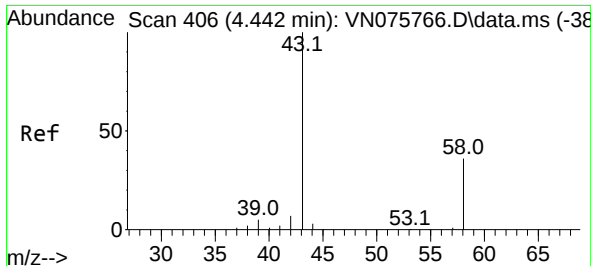
Tgt Ion:168 Resp: 325707
Ion Ratio Lower Upper
168 100
99 54.1 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.600 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.024 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

Tgt Ion: 59 Resp: 802
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

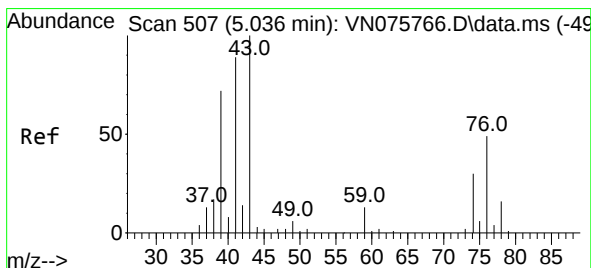
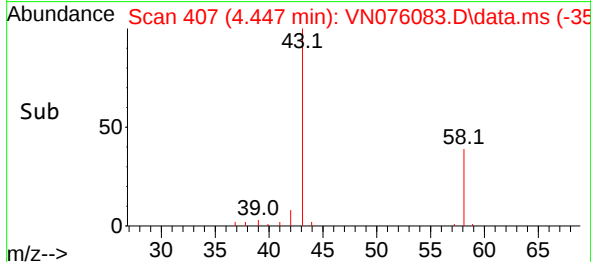
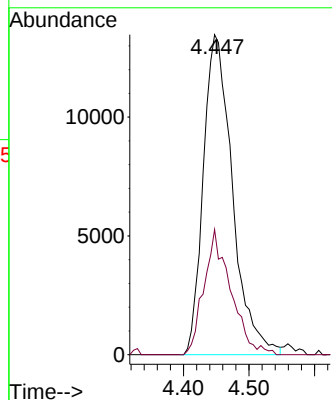
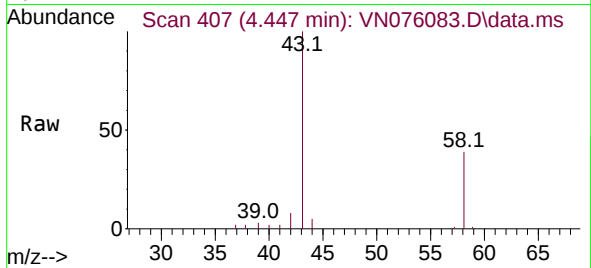




#16
Acetone
Concen: 34.054 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

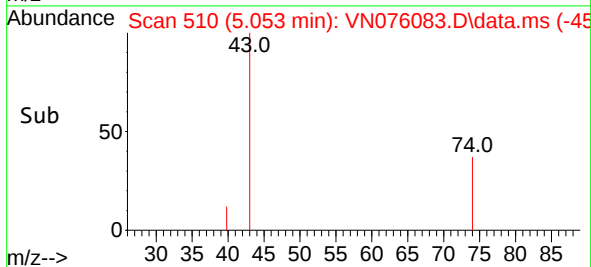
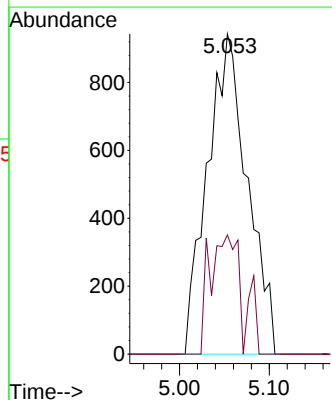
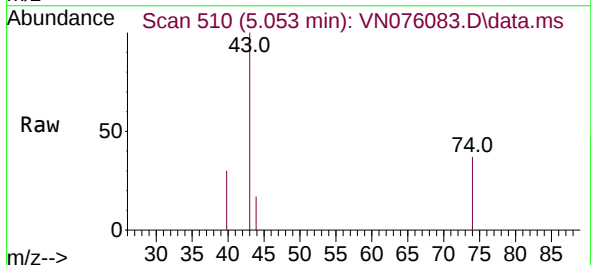
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#04

Tgt Ion: 43 Resp: 41596
Ion Ratio Lower Upper
43 100
58 39.1 28.6 43.0



#18
Methyl Acetate
Concen: 0.810 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.018 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

Tgt Ion: 43 Resp: 2926
Ion Ratio Lower Upper
43 100
74 25.9 23.6 35.4

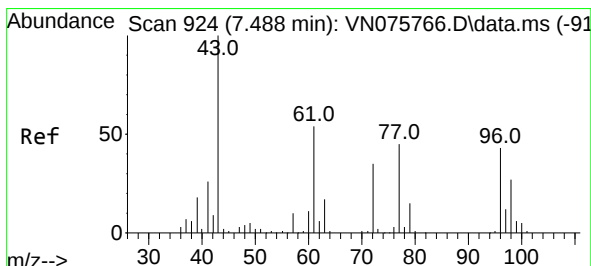
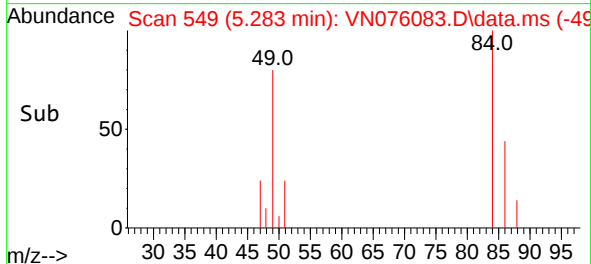
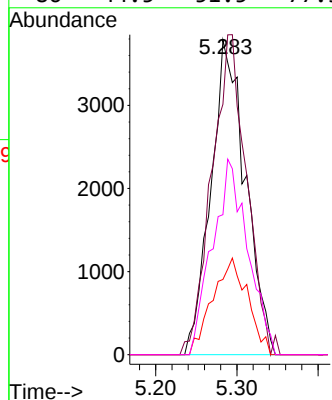
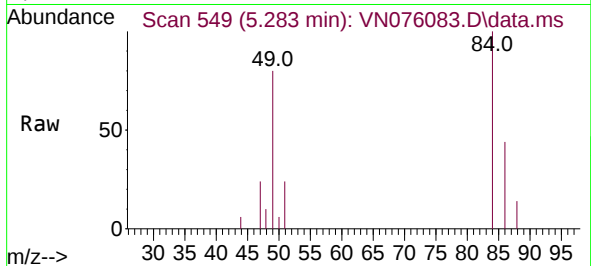




#20
Methylene Chloride
Concen: 2.836 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

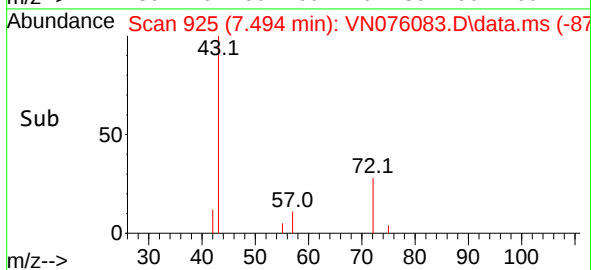
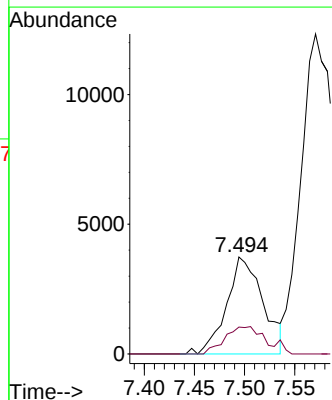
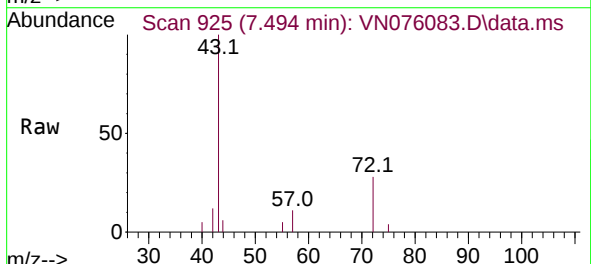
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#04

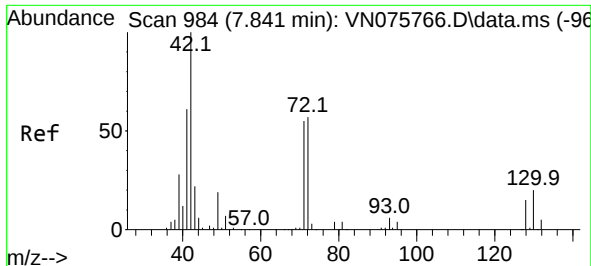
Tgt Ion: 84	Resp: 11239
Ion Ratio	Lower Upper
84 100	
49 79.6	81.8 122.6#
51 23.9	26.7 40.1#
86 44.5	51.5 77.3#



#25
2-Butanone
Concen: 5.498 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

Tgt Ion: 43	Resp: 9403		
Ion Ratio	Lower	Upper	
43 100			
72 27.7	28.0	42.0#	





#29

Tetrahydrofuran

Concen: 0.639 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN076083.D

Acq: 04 Jan 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#04

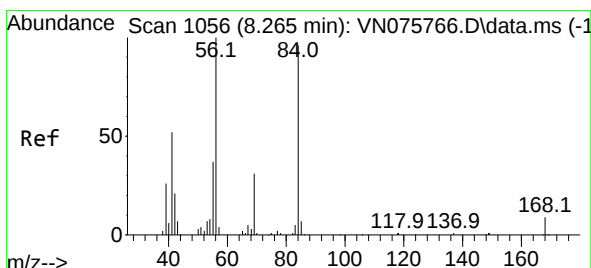
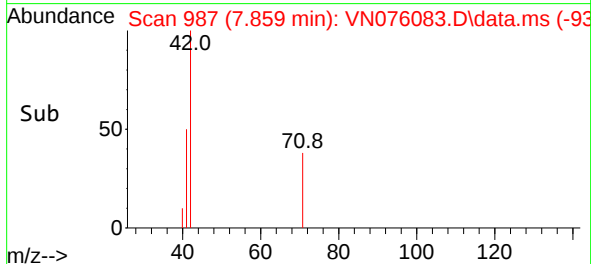
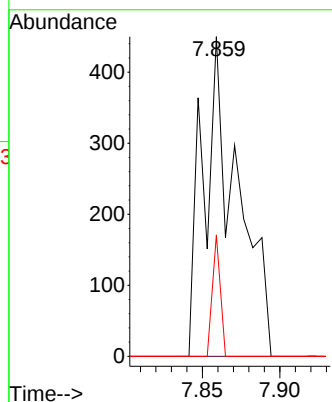
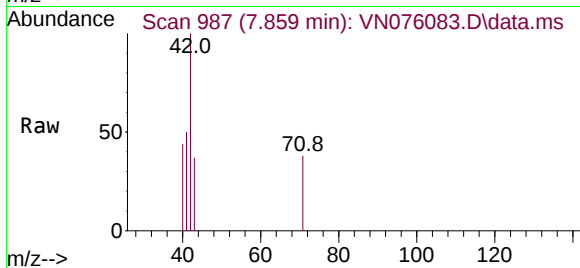
Tgt Ion: 42 Resp: 685

Ion Ratio Lower Upper

42 100

72 0.0 44.5 66.7#

71 8.8 41.0 61.6#



#31

Cyclohexane

Concen: 1.304 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076083.D

Acq: 04 Jan 2023 15:53

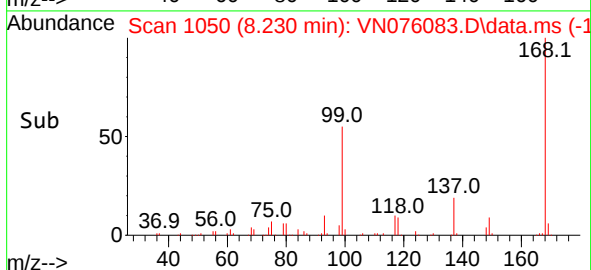
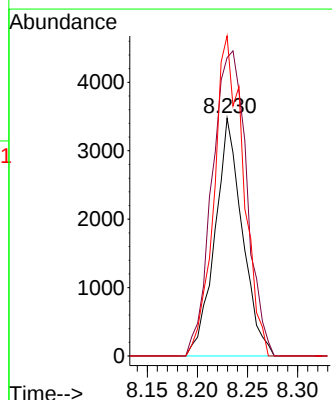
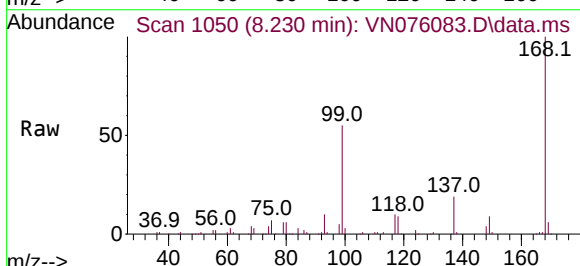
Tgt Ion: 56 Resp: 6618

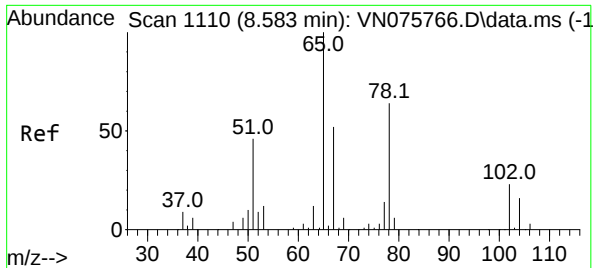
Ion Ratio Lower Upper

56 100

69 125.4 24.7 37.1#

84 134.6 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 49.609 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076083.D

Acq: 04 Jan 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

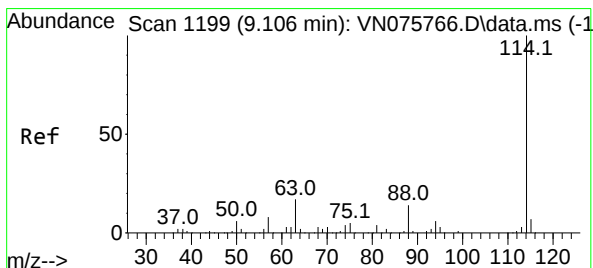
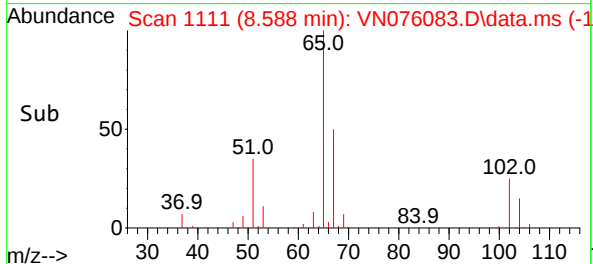
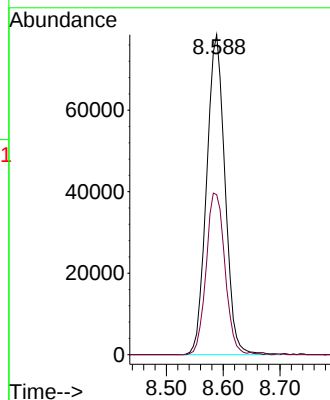
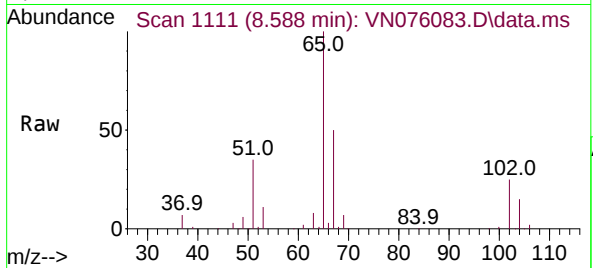
PB150013ZHE#04

Tgt Ion: 65 Resp: 175783

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076083.D

Acq: 04 Jan 2023 15:53

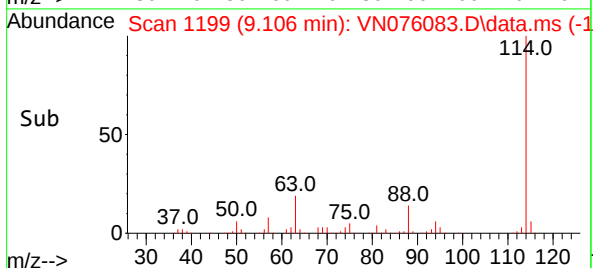
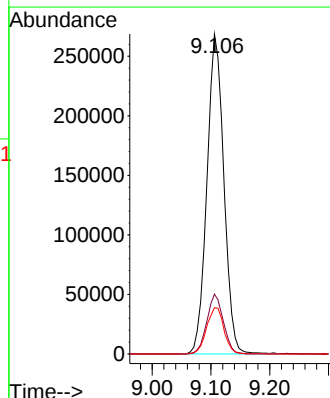
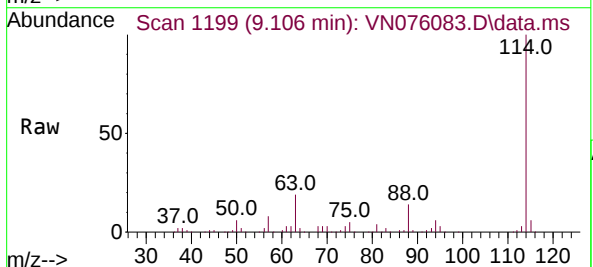
Tgt Ion: 114 Resp: 537200

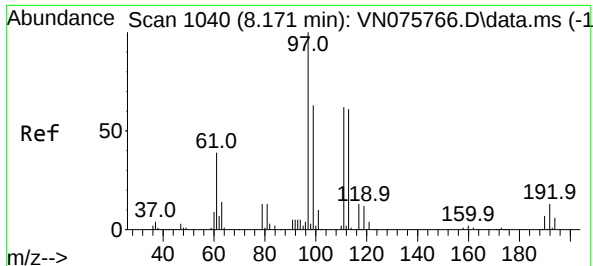
Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.4

88 14.4 0.0 28.8

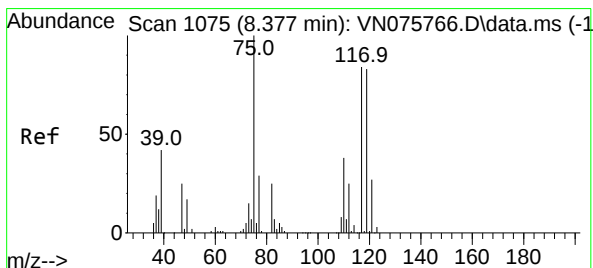
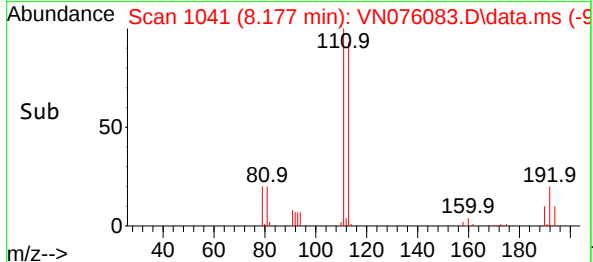
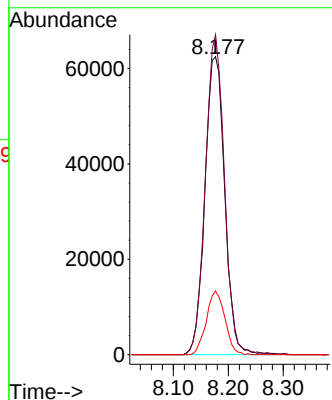
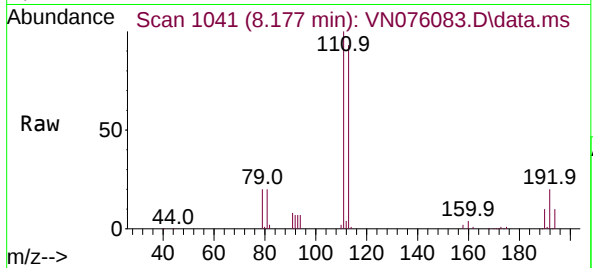




#35
Dibromofluoromethane
Concen: 47.215 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

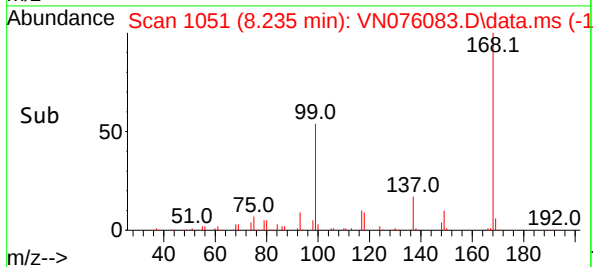
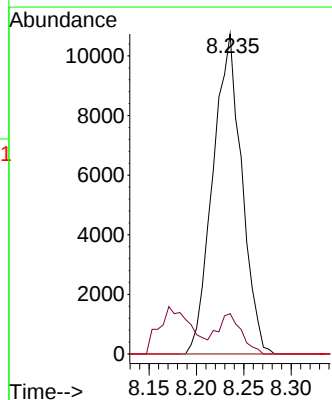
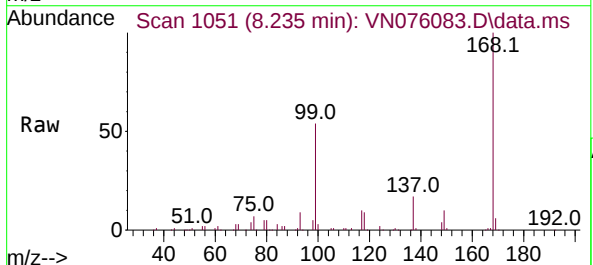
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#04

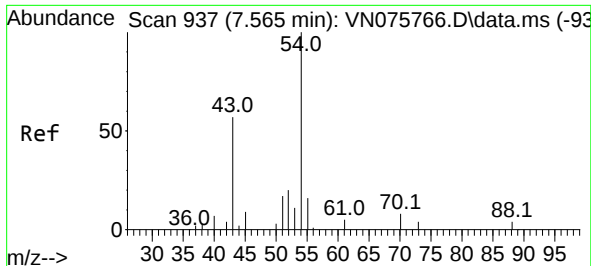
Tgt Ion:113 Resp: 157074
Ion Ratio Lower Upper
113 100
111 102.7 83.4 125.2
192 20.0 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.157 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

Tgt Ion: 75 Resp: 22790
Ion Ratio Lower Upper
75 100
110 10.5 18.8 56.4#
77 0.0 24.1 36.1#

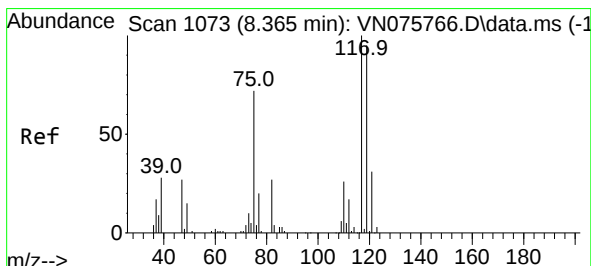
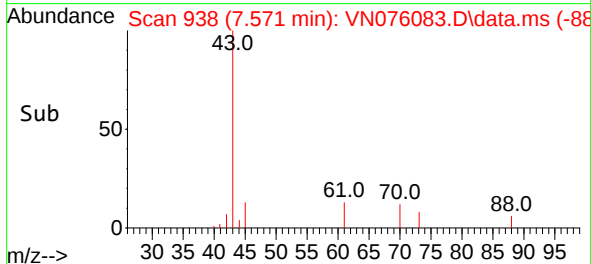
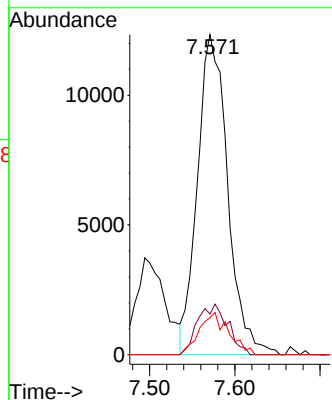
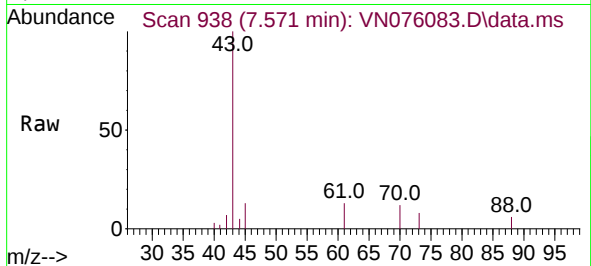




#37
Ethyl Acetate
Concen: 8.559 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

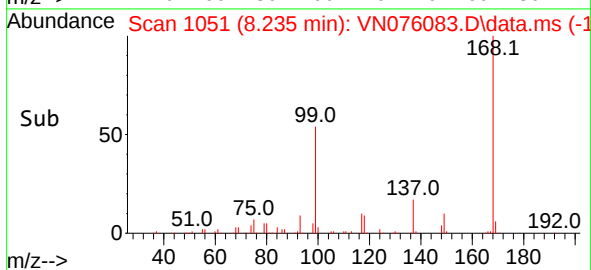
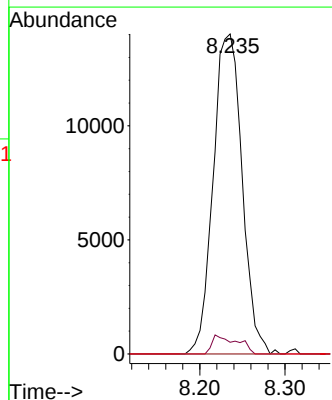
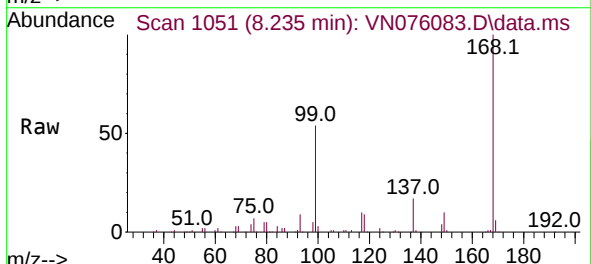
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#04

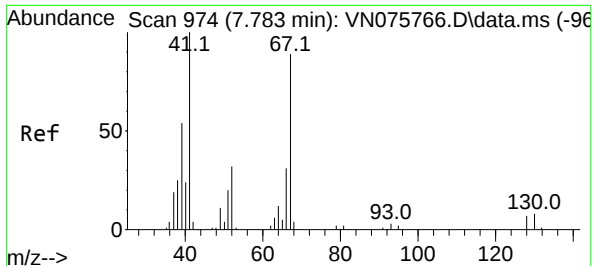
Tgt Ion: 43	Resp: 30383
Ion Ratio	Lower Upper
43 100	
61 15.8	13.0 19.4
70 12.8	9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.678 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

Tgt Ion: 117	Resp: 33029
Ion Ratio	Lower Upper
117 100	
119 3.6	76.1 114.1#
121 0.0	24.5 36.7#

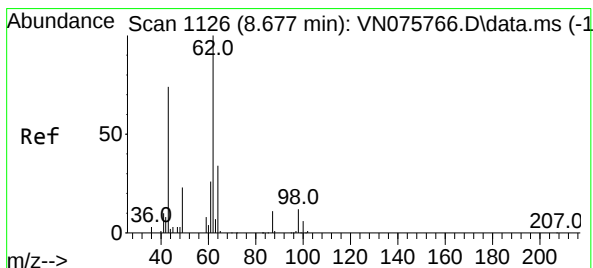
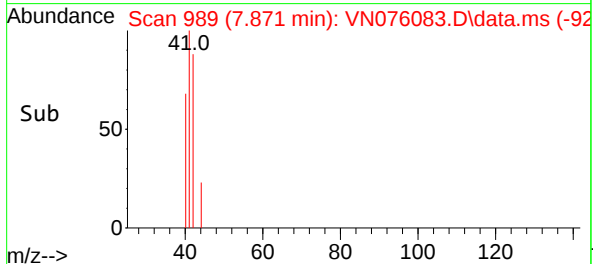
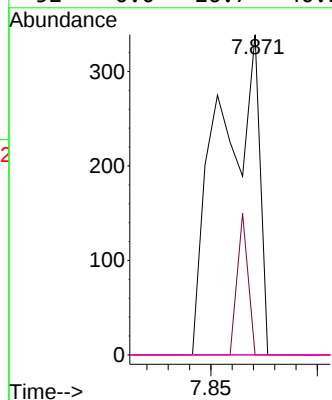
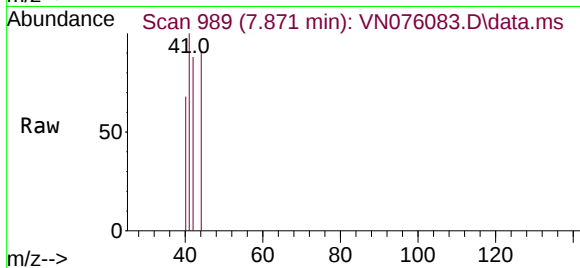




#41
Methacrylonitrile
Concen: 0.235 ug/l
RT: 7.871 min Scan# 91
Delta R.T. 0.088 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

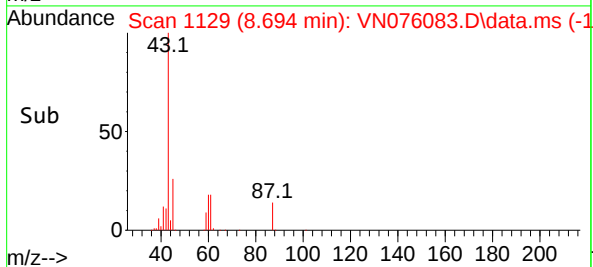
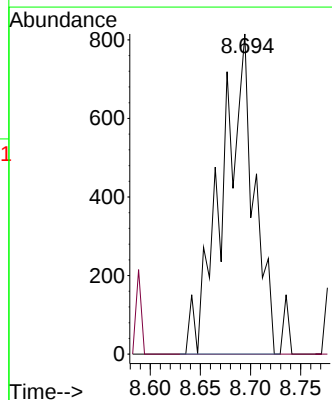
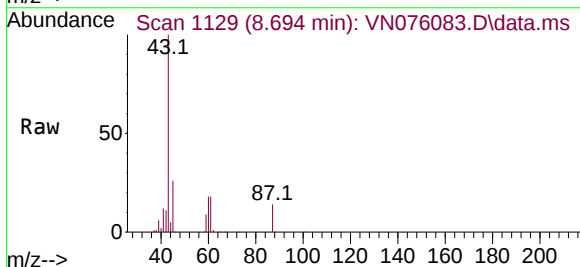
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#04

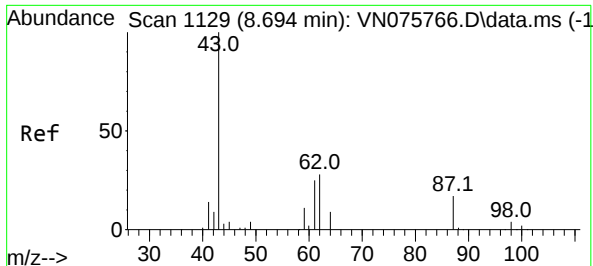
Tgt Ion:	41	Resp:	434
Ion	Ratio	Lower	Upper
41	100		
39	12.2	43.1	64.7#
67	0.0	70.7	106.1#
52	0.0	26.7	40.1#



#42
1,2-Dichloroethane
Concen: 0.401 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.018 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

Tgt Ion:	62	Resp:	1817
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.8





#43

Isopropyl Acetate

Concen: 36.075 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VN076083.D

Acq: 04 Jan 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#04

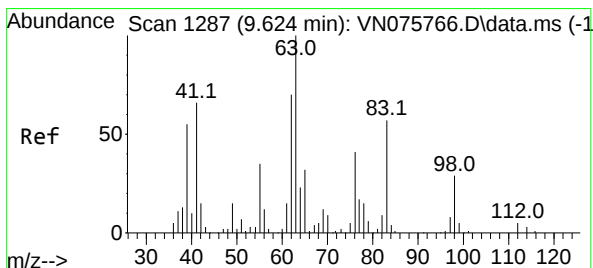
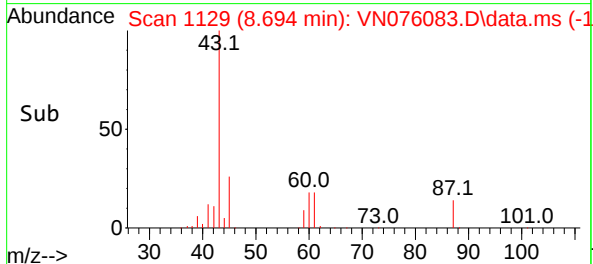
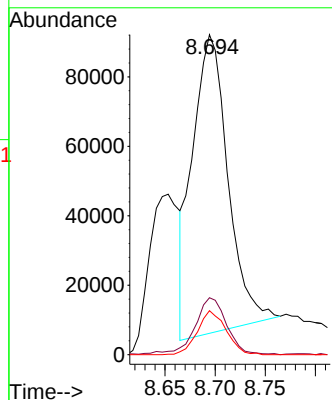
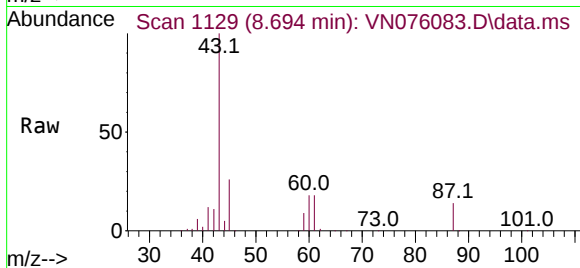
Tgt Ion: 43 Resp: 211244

Ion Ratio Lower Upper

43 100

61 17.3 24.2 36.4#

87 12.0 13.3 19.9#



#45

1,2-Dichloropropane

Concen: 0.649 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.118 min

Lab File: VN076083.D

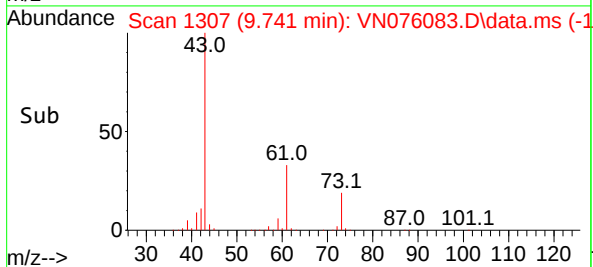
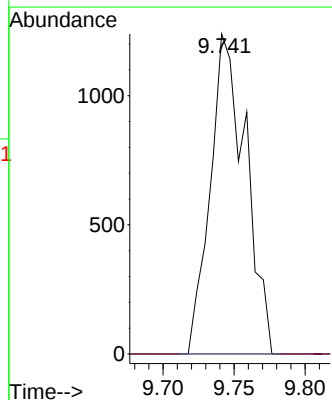
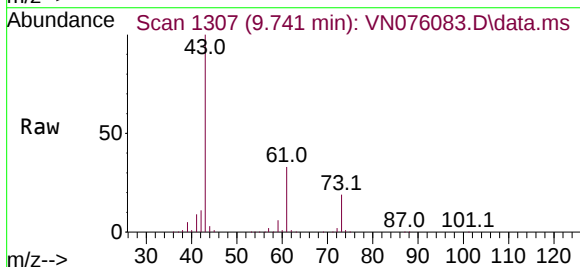
Acq: 04 Jan 2023 15:53

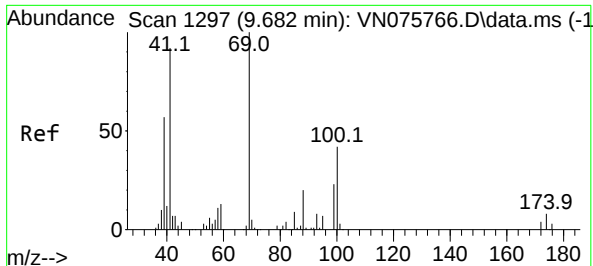
Tgt Ion: 63 Resp: 2153

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#





#48

Methyl methacrylate

Concen: 1.664 ug/l

RT: 9.665 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN076083.D

Acq: 04 Jan 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#04

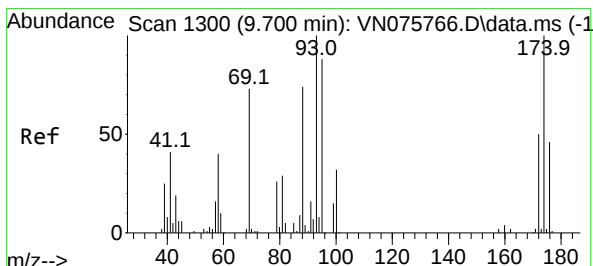
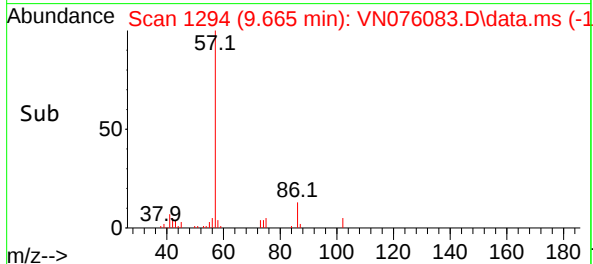
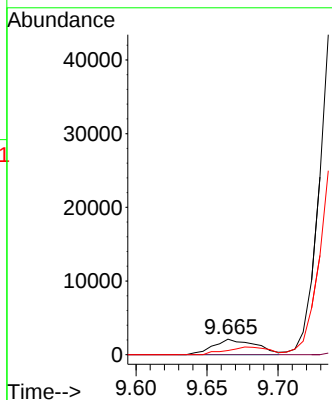
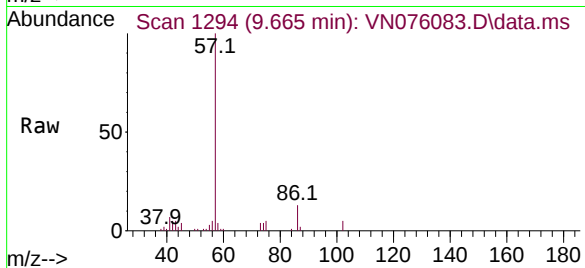
Tgt Ion: 41 Resp: 4389

Ion Ratio Lower Upper

41 100

69 0.0 81.9 122.9#

39 0.0 51.6 77.4#



#49

1,4-Dioxane

Concen: 3.208 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.047 min

Lab File: VN076083.D

Acq: 04 Jan 2023 15:53

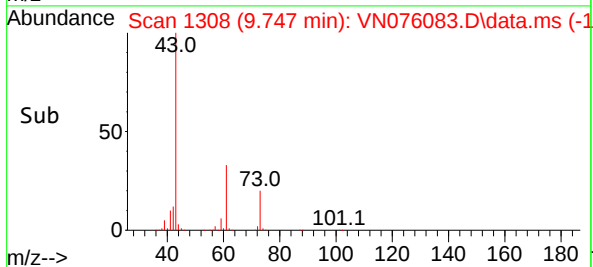
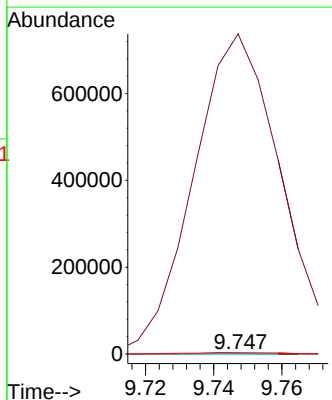
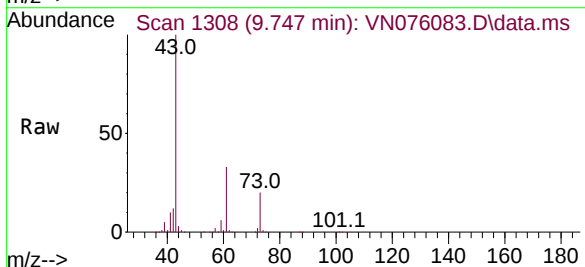
Tgt Ion: 88 Resp: 208

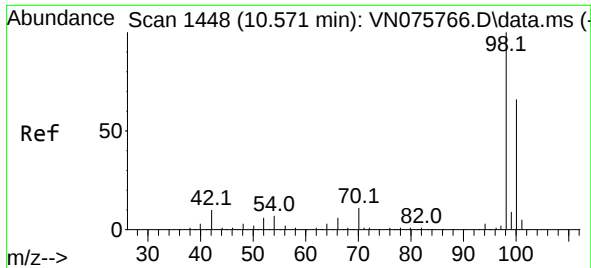
Ion Ratio Lower Upper

88 100

43 637831.3 17.1 25.7#

58 2908.7 47.8 71.8#

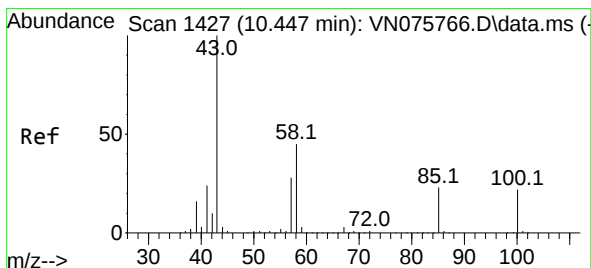
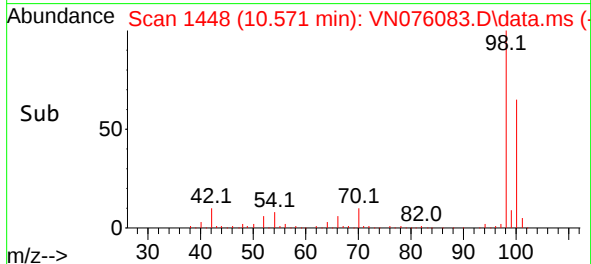
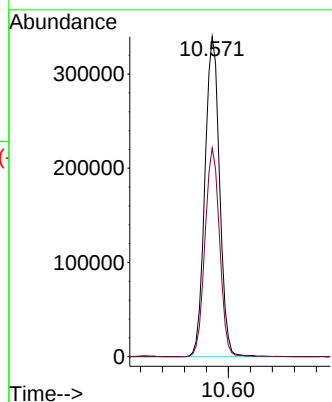
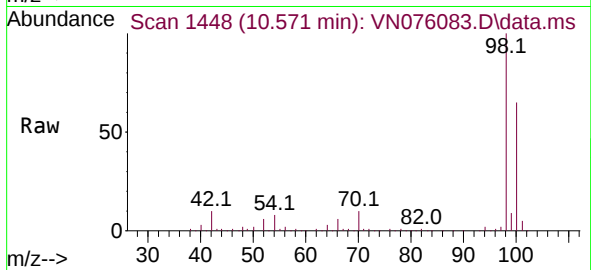




#50
Toluene-d8
Concen: 50.507 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

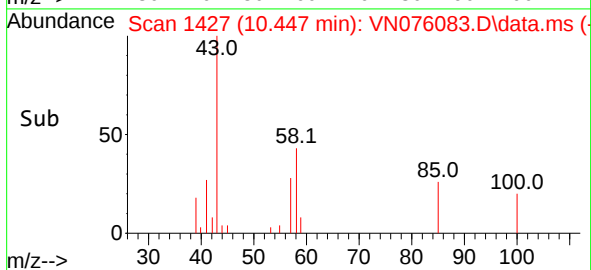
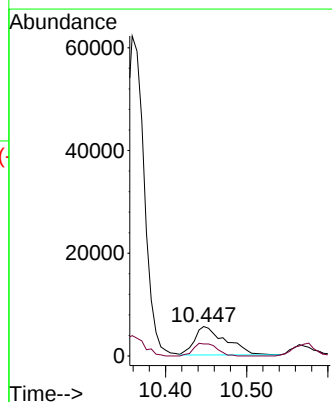
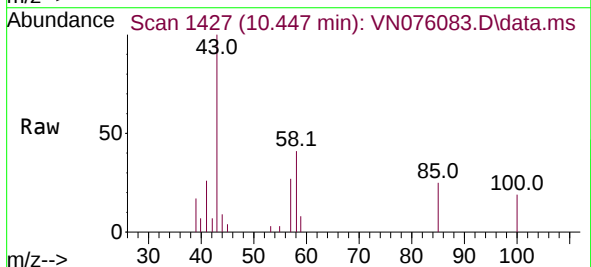
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#04

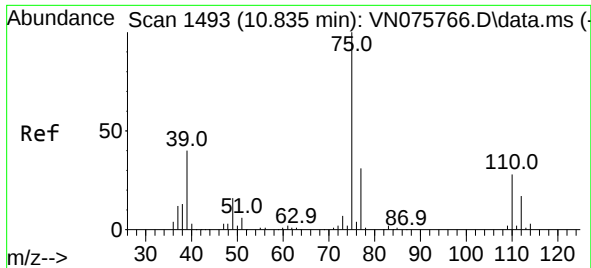
Tgt Ion: 98 Resp: 628235
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 4.162 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

Tgt Ion: 43 Resp: 14737
Ion Ratio Lower Upper
43 100
58 33.1 35.5 53.3#

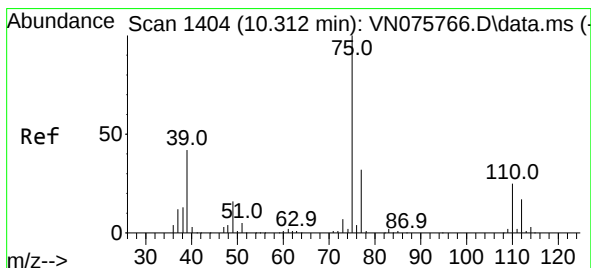
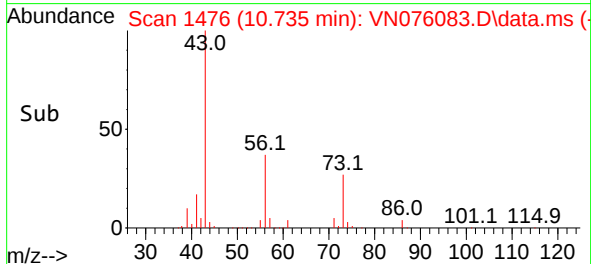
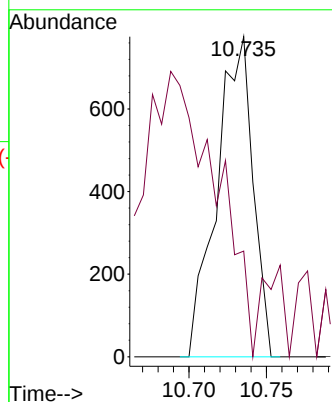
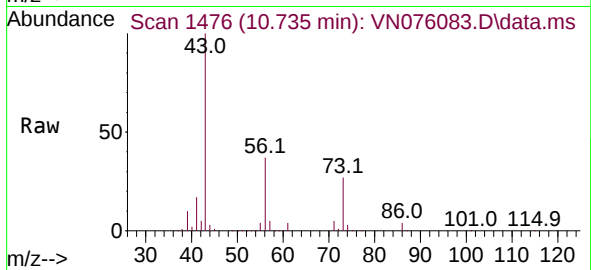




#53
 t-1,3-Dichloropropene
 Concen: 0.266 ug/l
 RT: 10.735 min Scan# 1413
 Delta R.T. -0.100 min
 Lab File: VN076083.D
 Acq: 04 Jan 2023 15:53

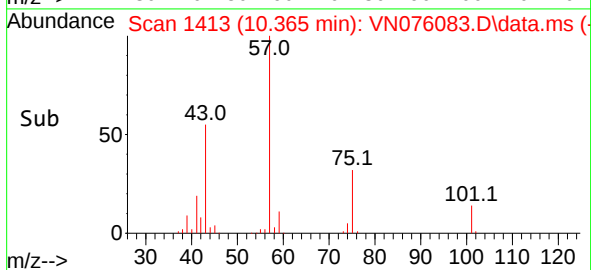
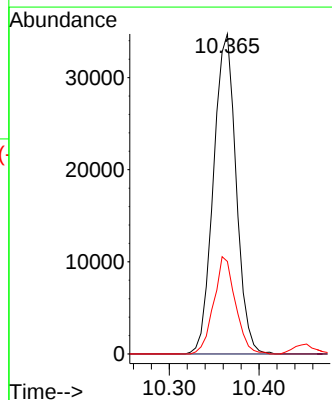
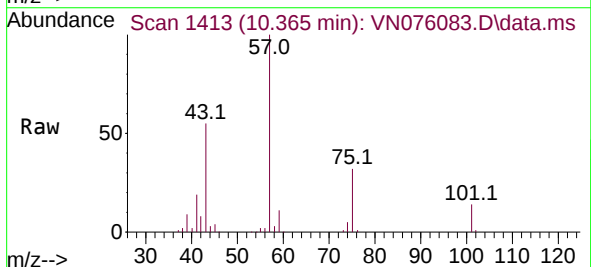
Instrument :
 MSVOA_N
 ClientSampleId :
 PB150013ZHE#04

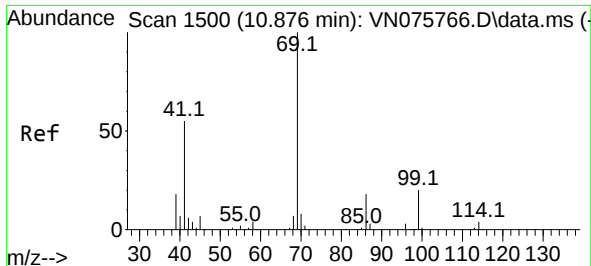
Tgt Ion: 75 Resp: 1255
 Ion Ratio Lower Upper
 75 100
 77 4.4 24.9 37.3#



#54
 cis-1,3-Dichloropropene
 Concen: 11.739 ug/l
 RT: 10.365 min Scan# 1413
 Delta R.T. 0.053 min
 Lab File: VN076083.D
 Acq: 04 Jan 2023 15:53

Tgt Ion: 75 Resp: 60891
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.8#
 39 28.9 33.4 50.2#

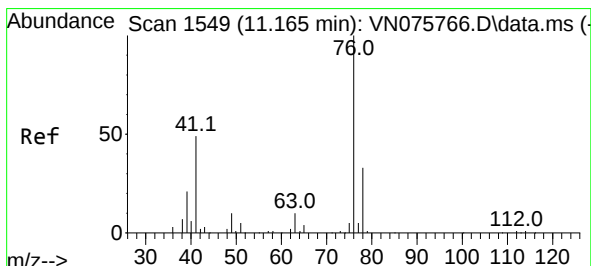
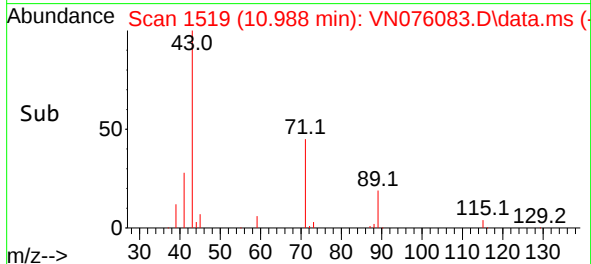
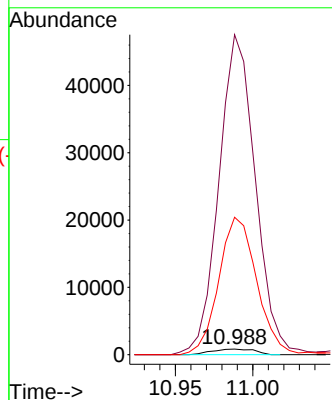
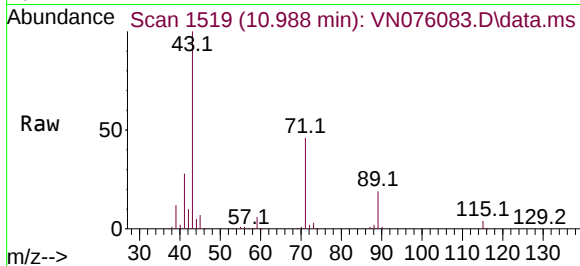




#56
Ethyl methacrylate
Concen: 0.347 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

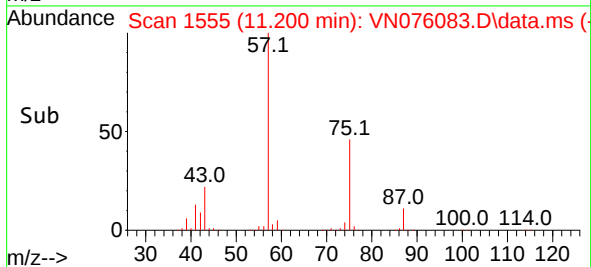
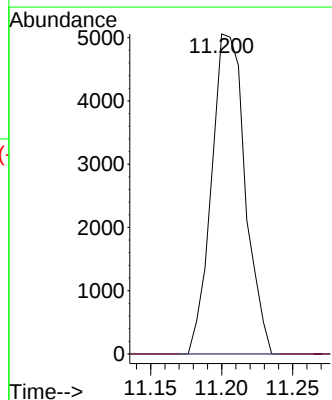
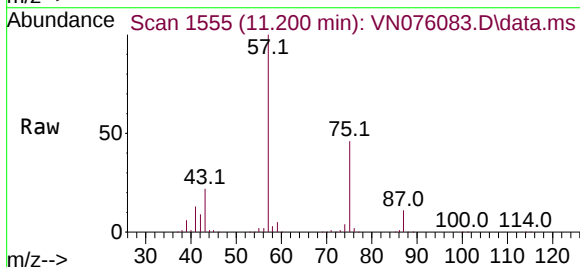
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#04

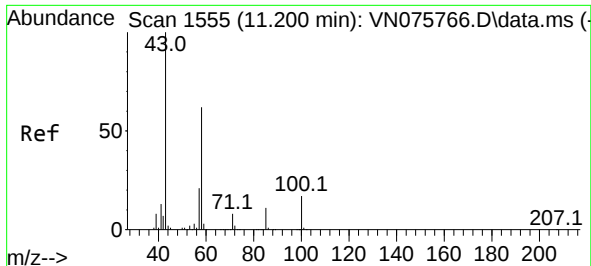
Tgt Ion: 69 Resp: 1607
Ion Ratio Lower Upper
69 100
41 4853.4 44.2 66.4#
39 2183.2 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.456 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

Tgt Ion: 76 Resp: 8322
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

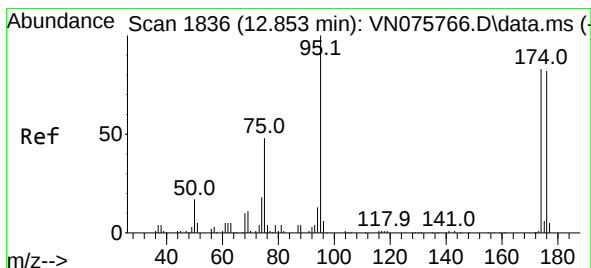
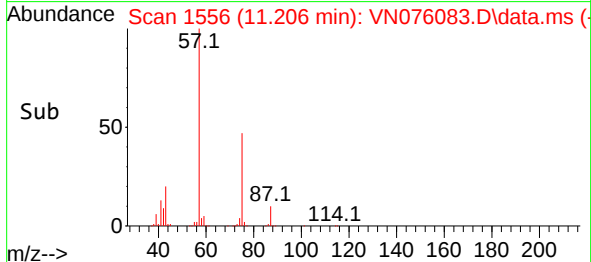
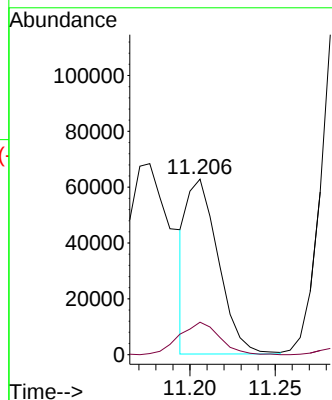
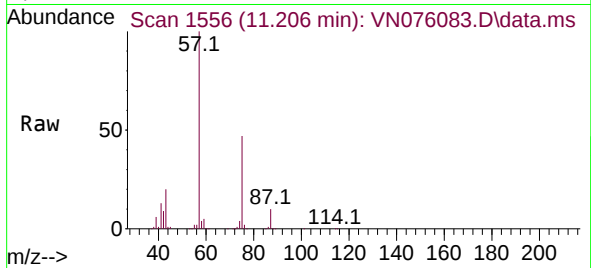




#59
2-Hexanone
Concen: 30.916 ug/l
RT: 11.206 min Scan# 1155
Delta R.T. 0.006 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

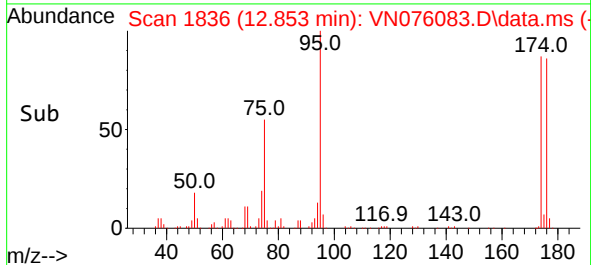
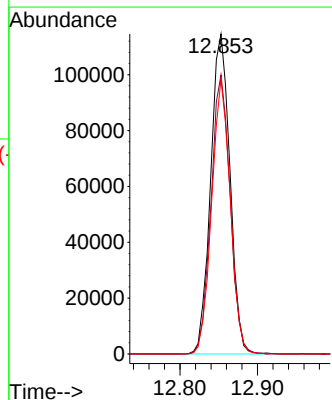
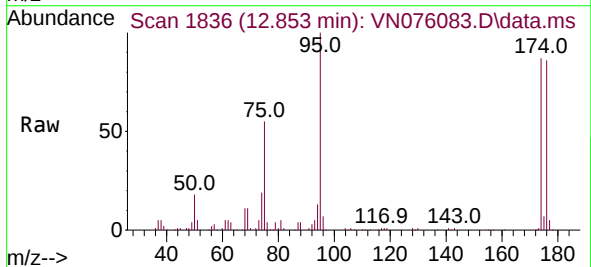
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#04

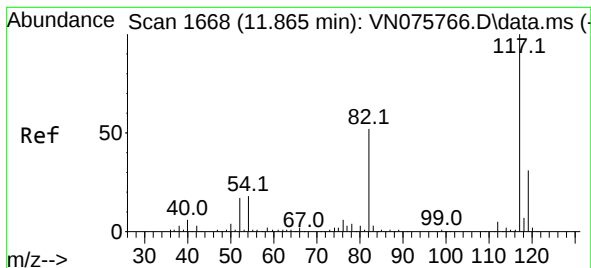
Tgt Ion: 43 Resp: 79842
Ion Ratio Lower Upper
43 100
58 24.1 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 48.092 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

Tgt Ion: 95 Resp: 198127
Ion Ratio Lower Upper
95 100
174 86.5 0.0 171.6
176 82.5 0.0 169.2

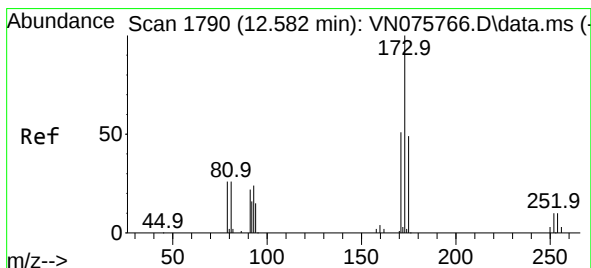
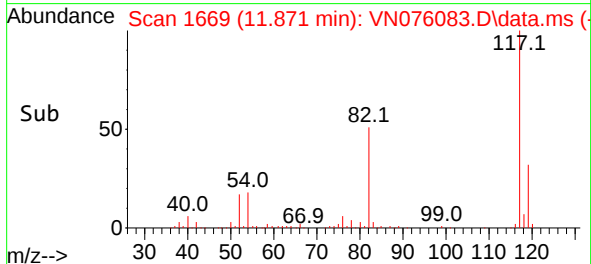
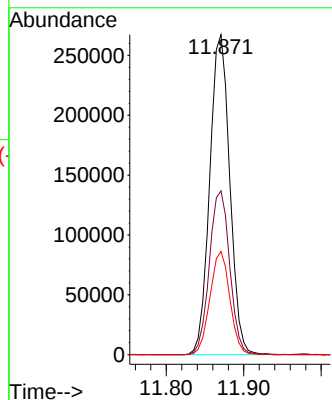
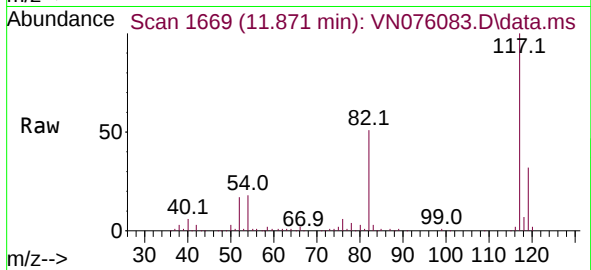




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

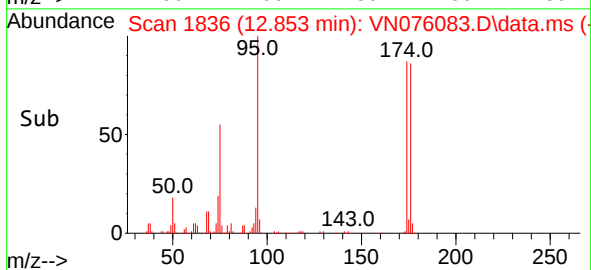
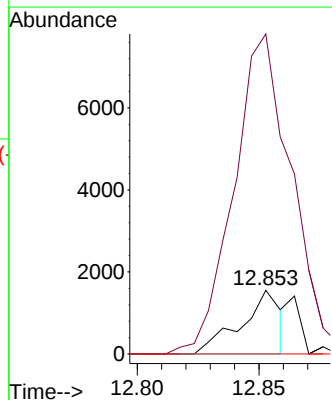
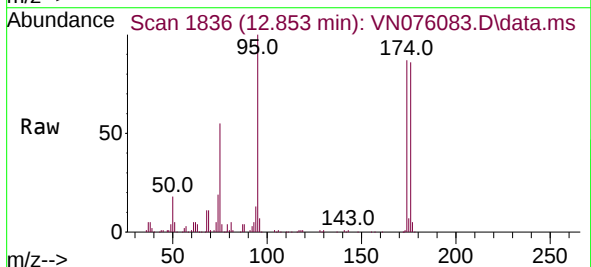
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#04

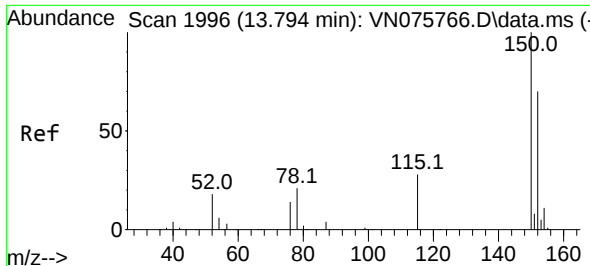
Tgt Ion:117 Resp: 481352
Ion Ratio Lower Upper
117 100
82 51.2 41.3 61.9
119 32.2 24.6 37.0



#71
Bromoform
Concen: 0.659 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

Tgt Ion:173 Resp: 1755
Ion Ratio Lower Upper
173 100
175 581.7 24.3 72.8#
254 0.0 0.0 0.0

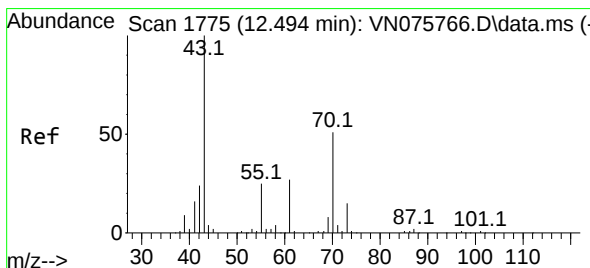
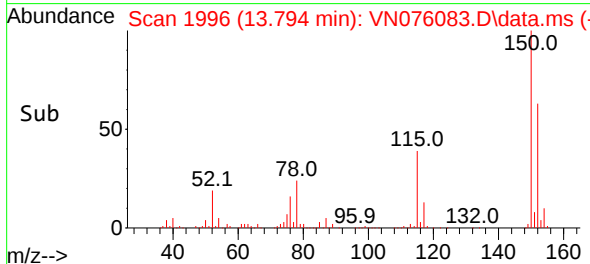
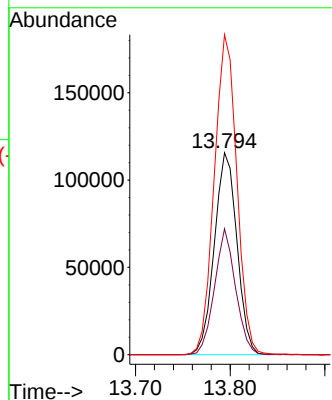
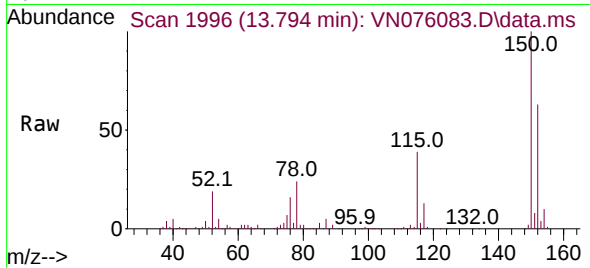




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

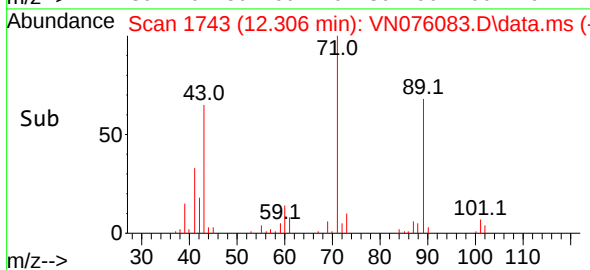
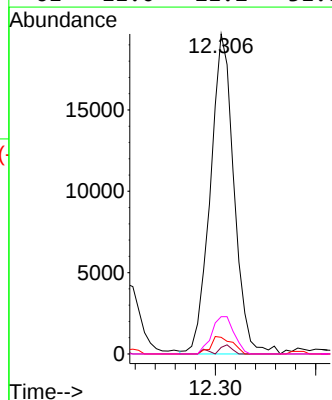
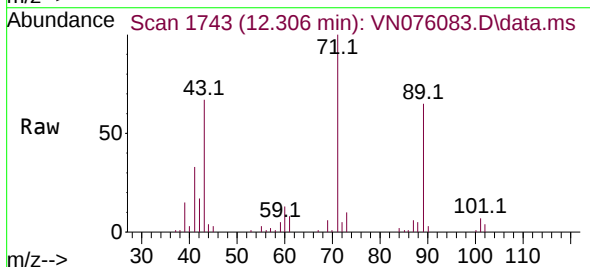
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#04

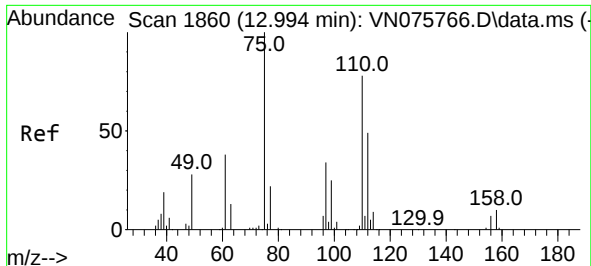
Tgt Ion:152 Resp: 191797
Ion Ratio Lower Upper
152 100
115 58.0 29.1 87.4
150 158.4 0.0 347.0



#74
N-ethyl acetate
Concen: 7.933 ug/l
RT: 12.306 min Scan# 1743
Delta R.T. -0.188 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

Tgt Ion: 43 Resp: 32256
Ion Ratio Lower Upper
43 100
70 1.3 41.4 62.0#
55 4.9 21.3 31.9#
61 11.0 21.2 31.8#

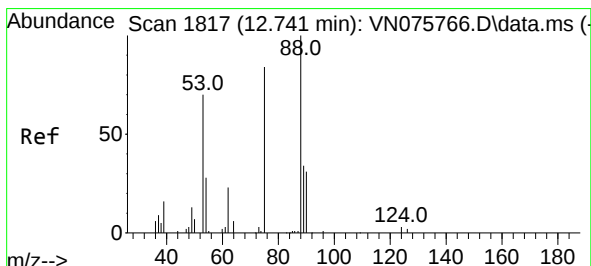
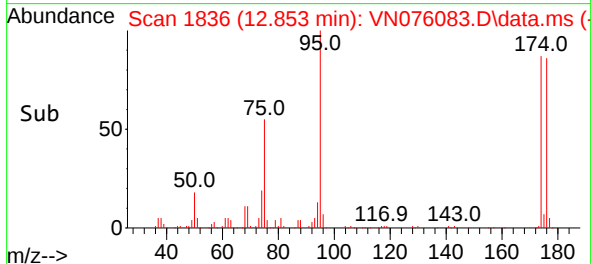
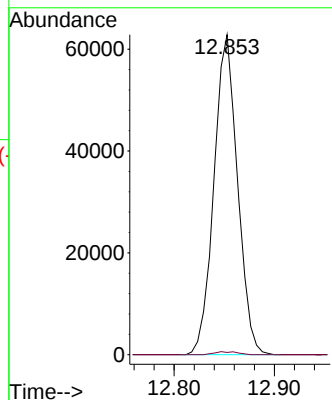
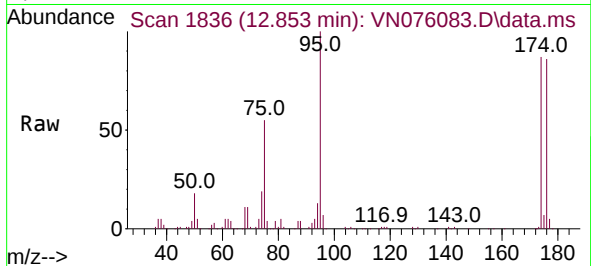




#76
1,2,3-Trichloropropane
Concen: 26.538 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

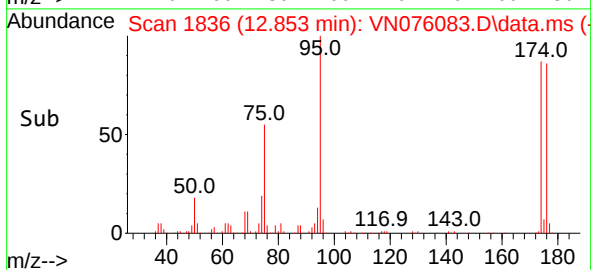
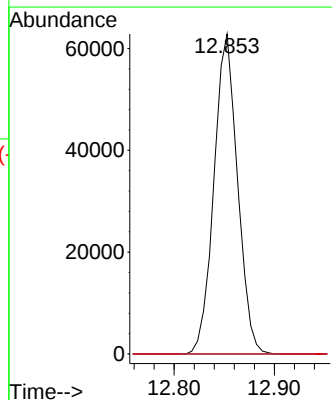
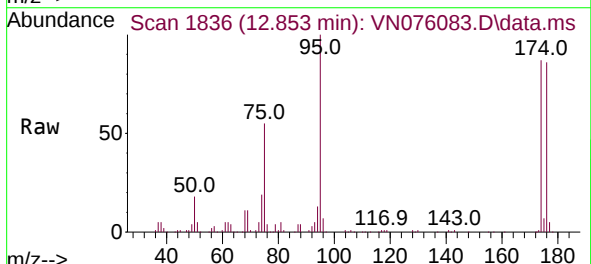
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#04

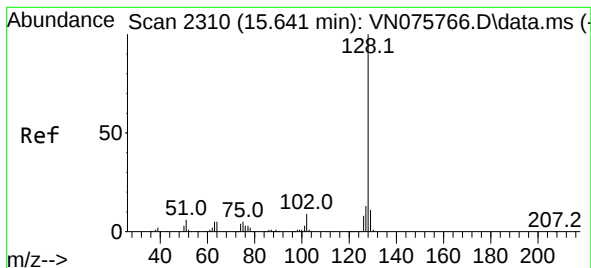
Tgt Ion: 75 Resp: 102602
Ion Ratio Lower Upper
75 100
77 0.9 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.525 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076083.D
Acq: 04 Jan 2023 15:53

Tgt Ion: 75 Resp: 102602
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 2.274 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076083.D

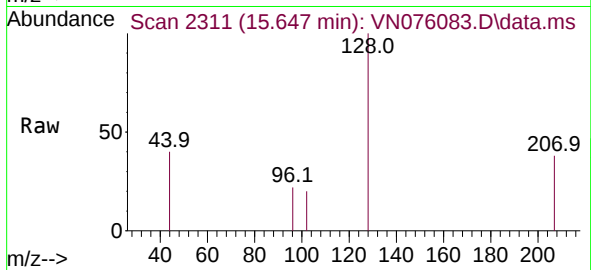
Acq: 04 Jan 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#04



Tgt Ion:128 Resp: 1050

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#

