

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010423\
 Data File : VN076084.D
 Acq On : 04 Jan 2023 16:17
 Operator : JC\MD
 Sample : PB150013ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150013ZHE#05

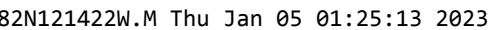
Quant Time: Jan 05 01:25:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

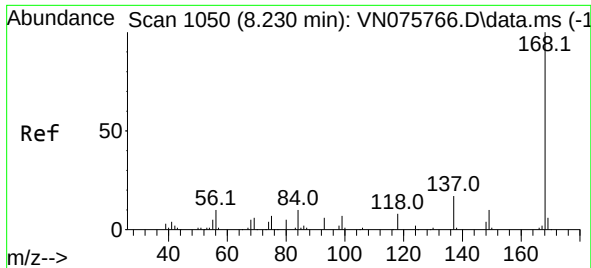
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.236	168	340242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	554541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	480994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	194835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	184139	49.747	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.500%		
35) Dibromofluoromethane	8.171	113	164053	47.770	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.540%		
50) Toluene-d8	10.571	98	644272	50.177	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.360%		
62) 4-Bromofluorobenzene	12.853	95	194143	45.651	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.300%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.530	59	1165	2.224	ug/l #	72
16) Acetone	4.448	43	42993	33.694	ug/l	100
18) Methyl Acetate	5.047	43	3485	0.924	ug/l #	66
20) Methylene Chloride	5.295	84	11045	2.629	ug/l #	86
25) 2-Butanone	7.506	43	9018	5.048	ug/l	95
29) Tetrahydrofuran	7.859	42	437	0.390	ug/l #	70
31) Cyclohexane	8.236	56	7089	1.337	ug/l #	37
36) 1,1-Dichloropropene	8.236	75	25095	5.501	ug/l #	49
37) Ethyl Acetate	7.571	43	29769	8.124	ug/l	99
38) Carbon Tetrachloride	8.230	117	33884	6.636	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1663	0.355	ug/l #	72
43) Isopropyl Acetate	8.694	43	306536	50.712	ug/l #	71
45) 1,2-Dichloropropane	9.747	63	1984	0.579	ug/l #	43
48) Methyl methacrylate	9.677	41	3992	1.466	ug/l #	6
49) 1,4-Dioxane	9.753	88	56	0.837	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	14308	3.914	ug/l #	76
54) cis-1,3-Dichloropropene	10.359	75	58613	10.947	ug/l #	63
56) Ethyl methacrylate	10.982	69	1693	0.354	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7882	1.336	ug/l #	42
59) 2-Hexanone	11.206	43	76804	28.810	ug/l #	54
71) Bromoform	12.853	173	1640	0.616	ug/l #	1
74) N-amyl acetate	12.465	43	960	0.232	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	101242	25.778	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	101242	92.789	ug/l #	12
95) Naphthalene	15.641	128	1250	2.290	ug/l #	69

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

Quant Time: Jan 05 01:25:06 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

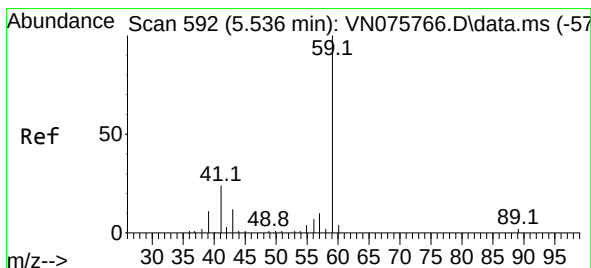
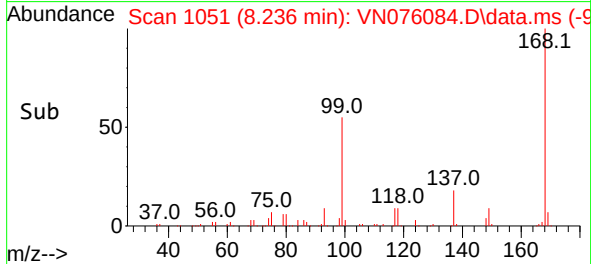
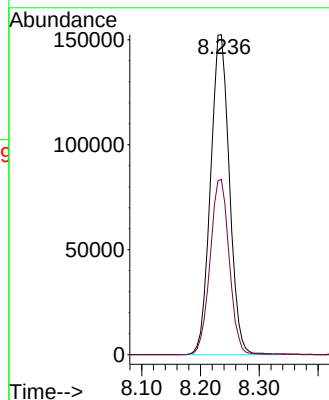
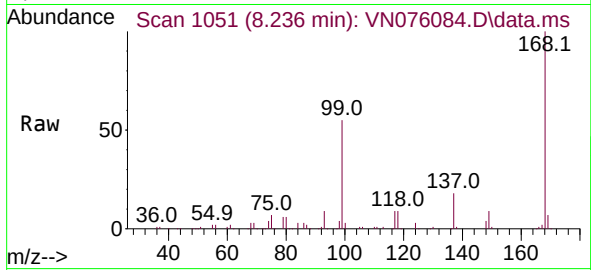




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. 0.006 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

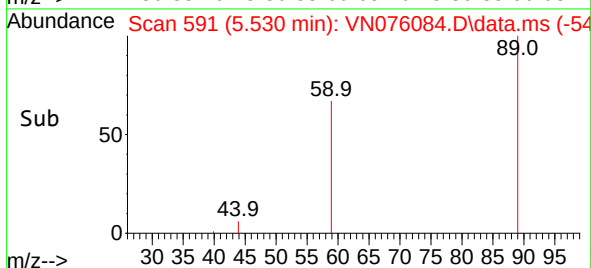
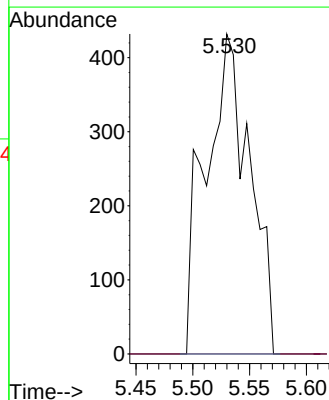
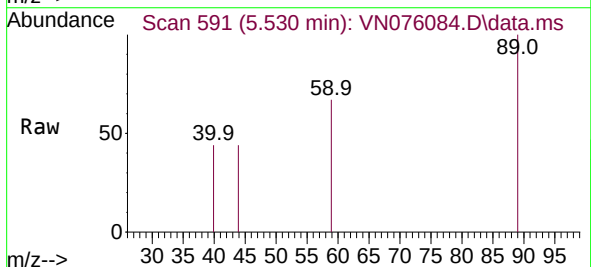
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#05

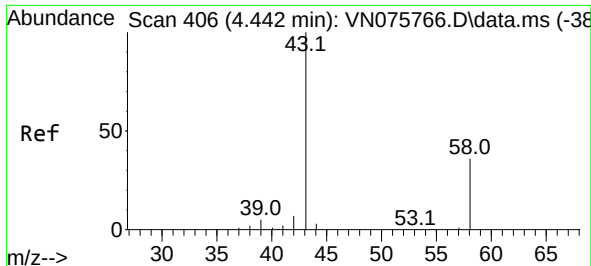
Tgt Ion:168 Resp: 340242
Ion Ratio Lower Upper
168 100
99 54.8 44.2 66.4



#11
Tert butyl alcohol
Concen: 2.224 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

Tgt Ion: 59 Resp: 1165
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

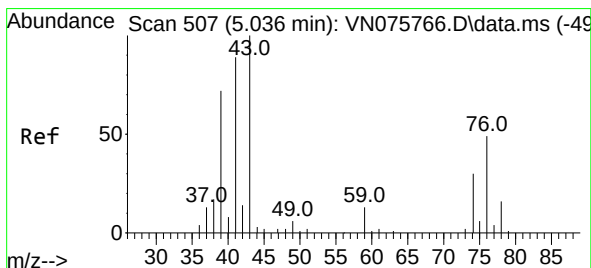
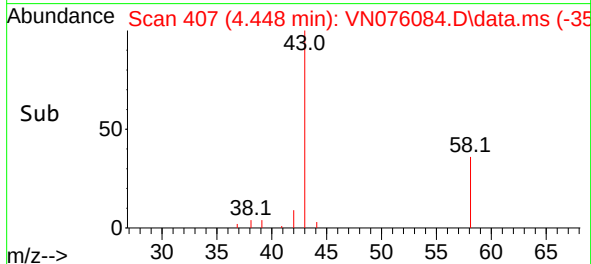
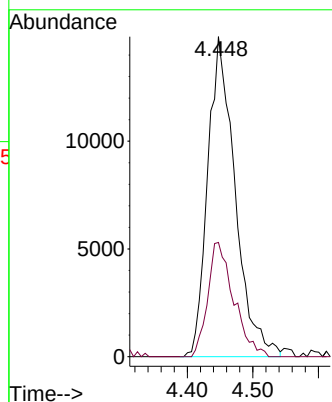
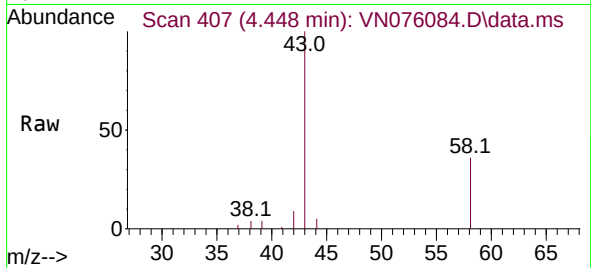




#16
Acetone
Concen: 33.694 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

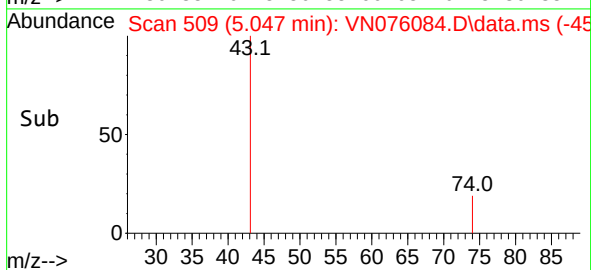
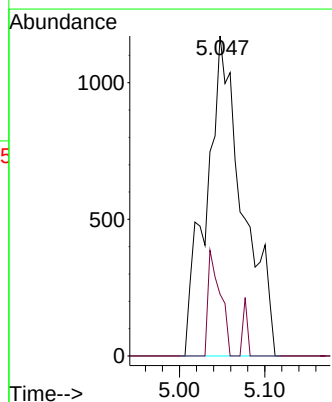
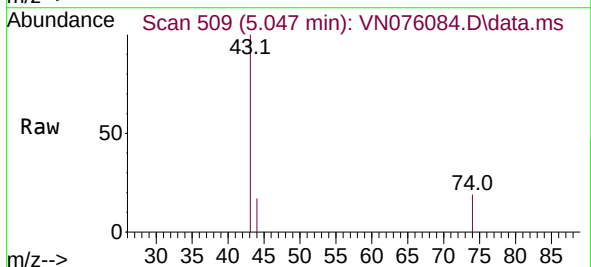
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#05

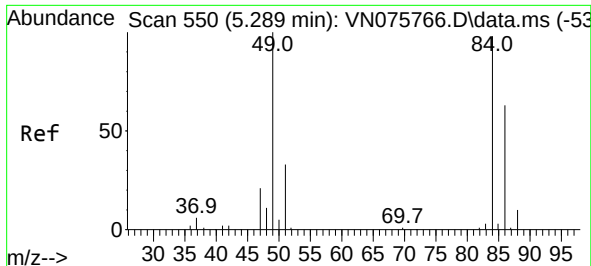
Tgt Ion: 43 Resp: 42993
Ion Ratio Lower Upper
43 100
58 35.7 28.6 43.0



#18
Methyl Acetate
Concen: 0.924 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

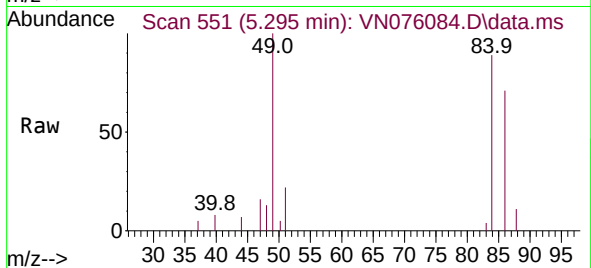
Tgt Ion: 43 Resp: 3485
Ion Ratio Lower Upper
43 100
74 11.1 23.6 35.4#



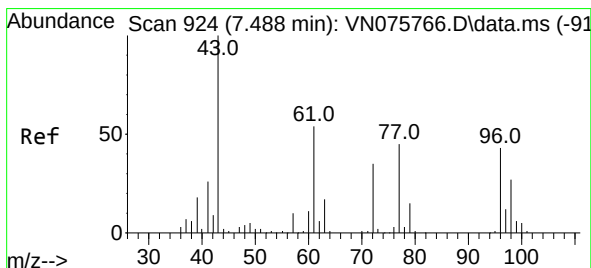
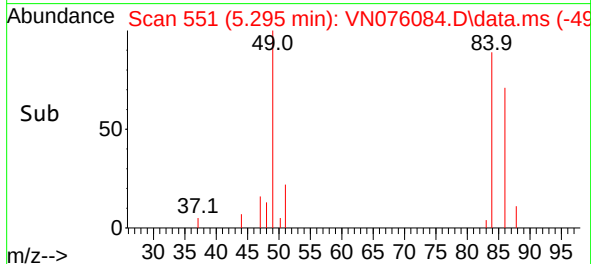
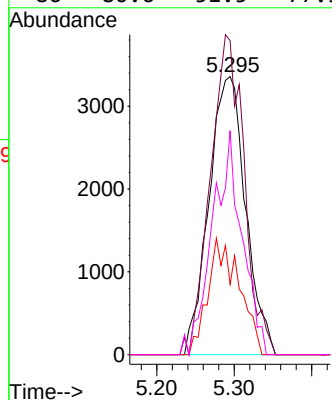


#20
Methylene Chloride
Concen: 2.629 ug/l
RT: 5.295 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#05

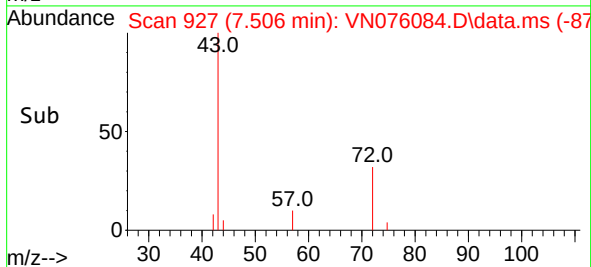
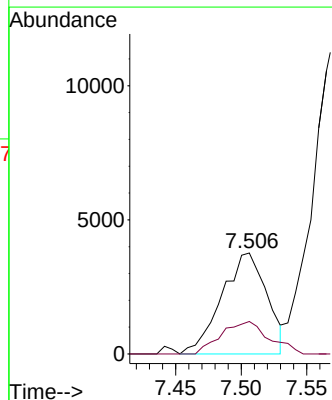
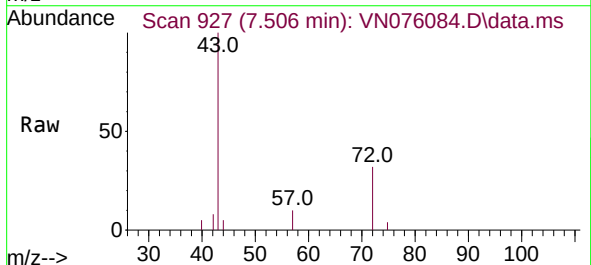


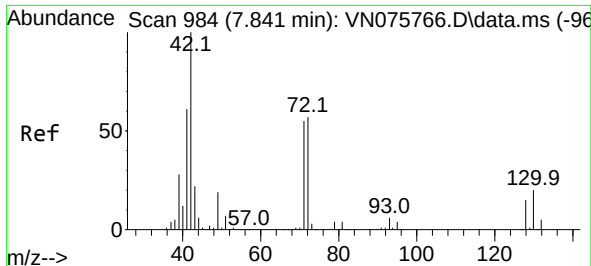
Tgt Ion:	84	Resp:	11045
Ion	Ratio	Lower	Upper
84	100		
49	112.9	81.8	122.6
51	25.3	26.7	40.1#
86	80.6	51.5	77.3#



#25
2-Butanone
Concen: 5.048 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

Tgt Ion:	43	Resp:	9018
Ion	Ratio	Lower	Upper
43	100		
72	32.2	28.0	42.0





#29

Tetrahydrofuran

Concen: 0.390 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN076084.D

Acq: 04 Jan 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#05

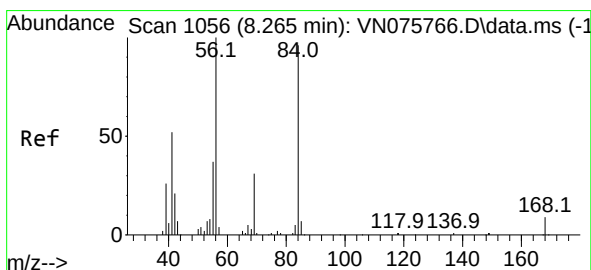
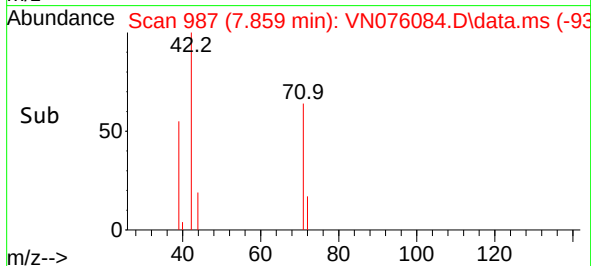
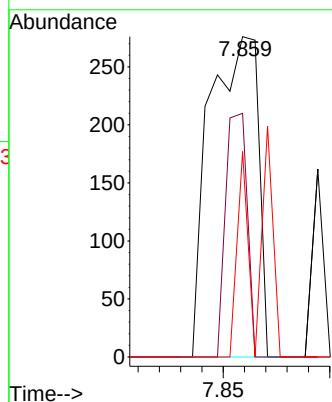
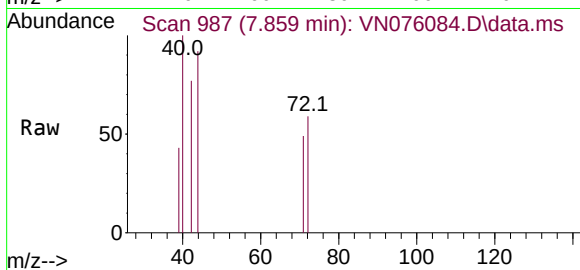
Tgt Ion: 42 Resp: 437

Ion Ratio Lower Upper

42 100

72 33.6 44.5 66.7#

71 30.4 41.0 61.6#



#31

Cyclohexane

Concen: 1.337 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.029 min

Lab File: VN076084.D

Acq: 04 Jan 2023 16:17

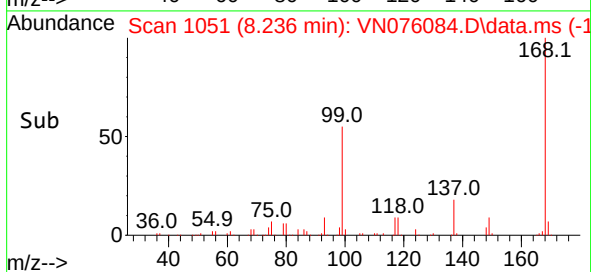
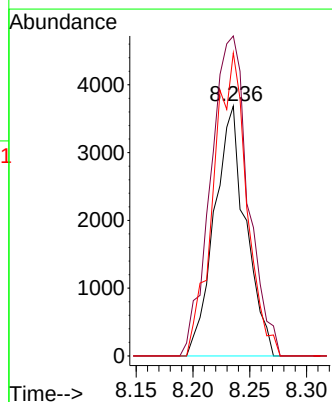
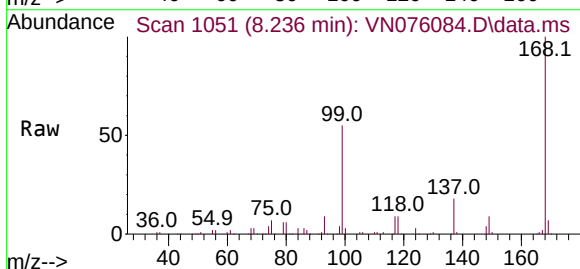
Tgt Ion: 56 Resp: 7089

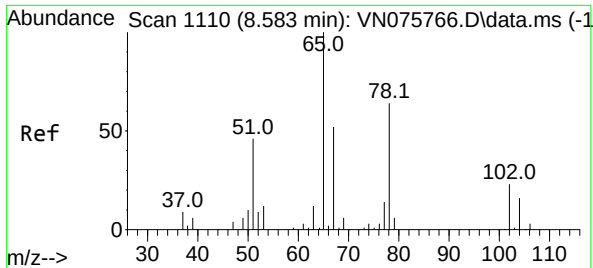
Ion Ratio Lower Upper

56 100

69 128.1 24.7 37.1#

84 121.3 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 49.747 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076084.D

Acq: 04 Jan 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

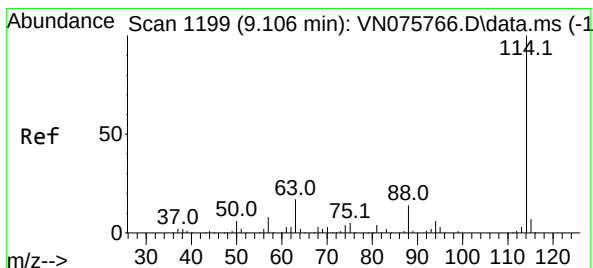
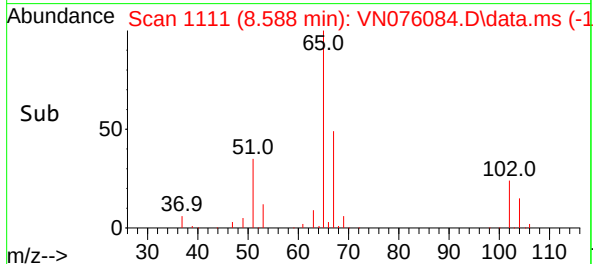
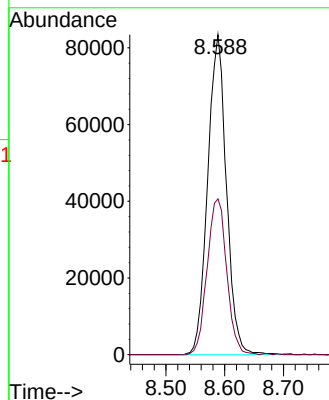
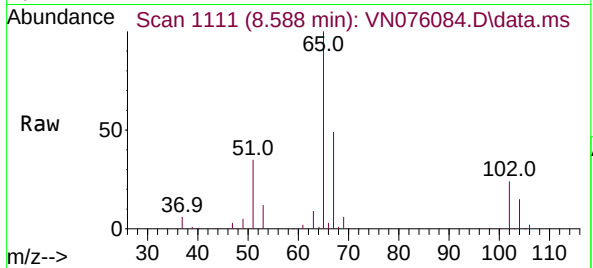
PB150013ZHE#05

Tgt Ion: 65 Resp: 184139

Ion Ratio Lower Upper

65 100

67 50.9 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: VN076084.D

Acq: 04 Jan 2023 16:17

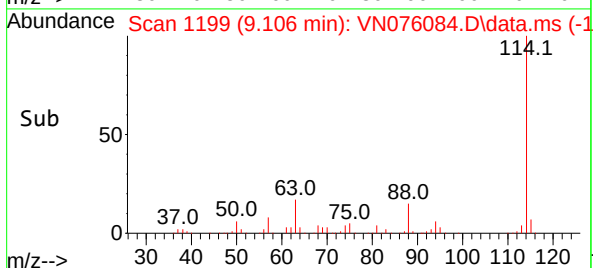
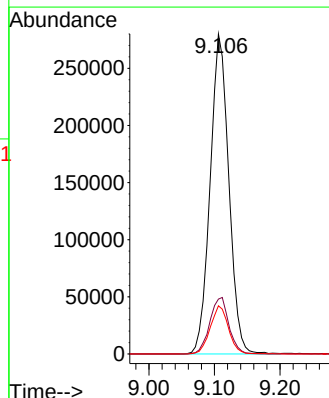
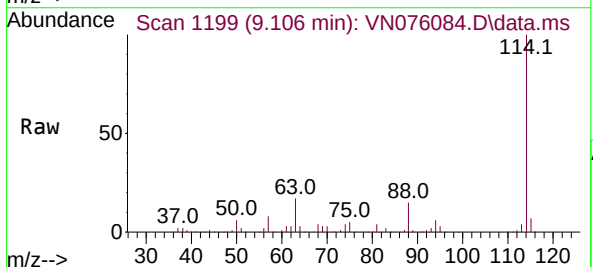
Tgt Ion: 114 Resp: 554541

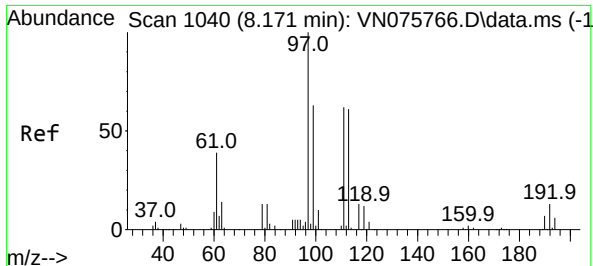
Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.4

88 15.1 0.0 28.8

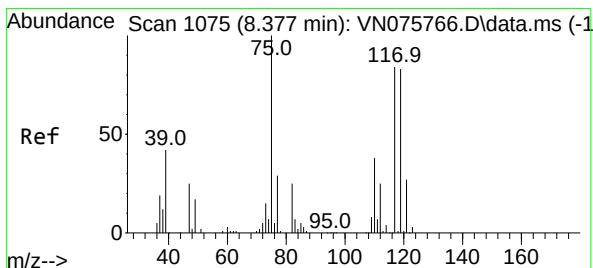
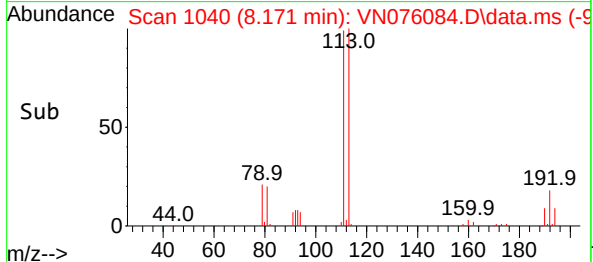
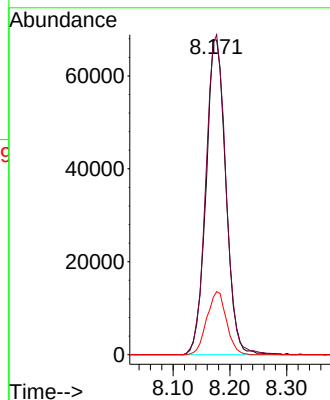
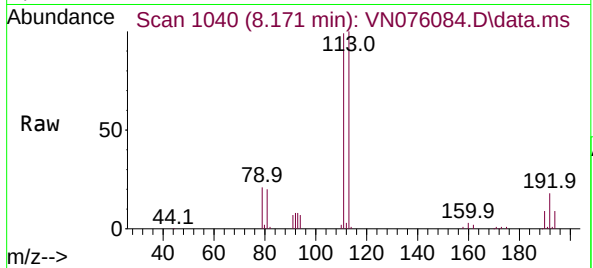




#35
Dibromofluoromethane
Concen: 47.770 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

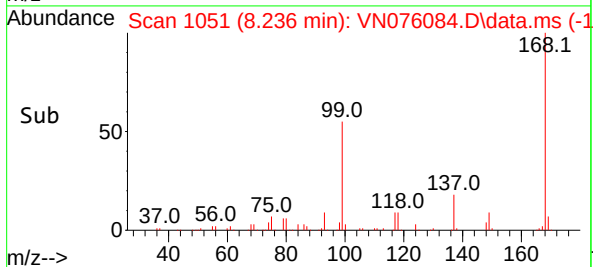
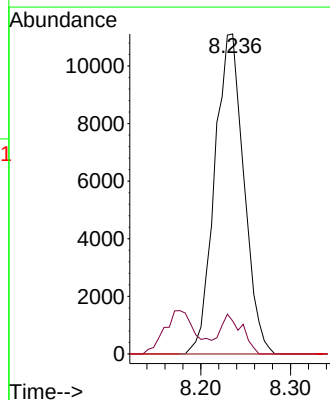
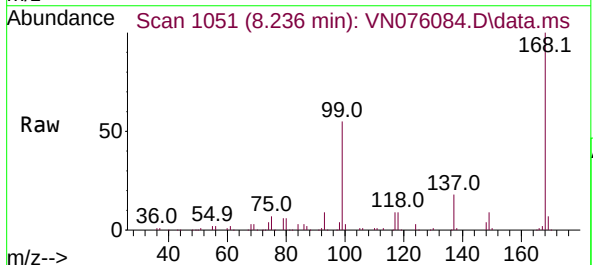
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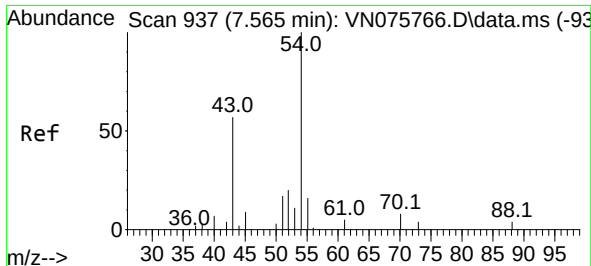
Tgt Ion:113 Resp: 164053
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.2
192 19.7 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.501 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

Tgt Ion: 75 Resp: 25095
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.4#
77 0.0 24.1 36.1#

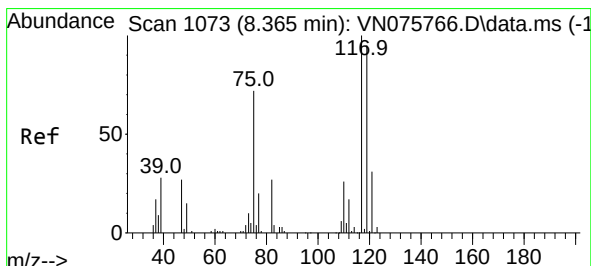
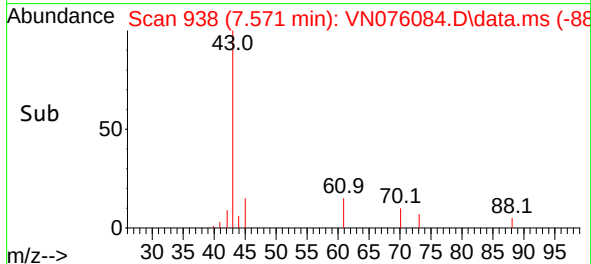
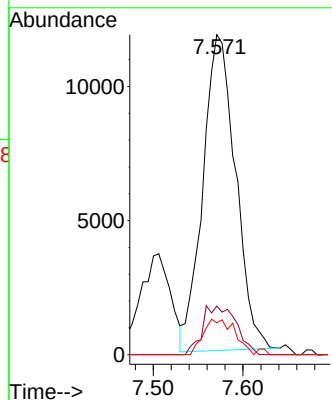
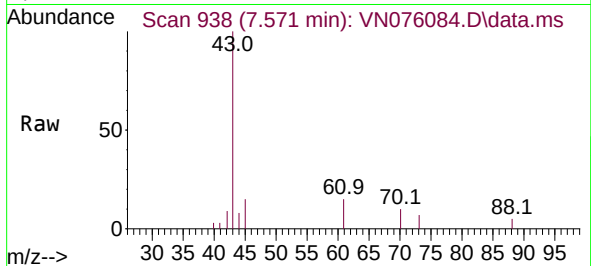




#37
Ethyl Acetate
Concen: 8.124 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

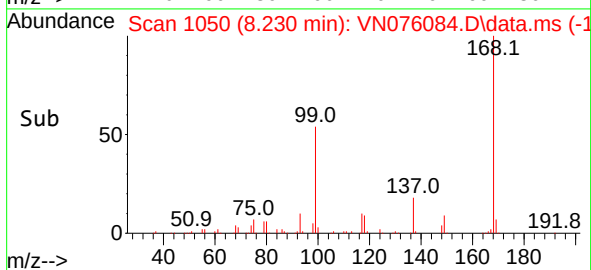
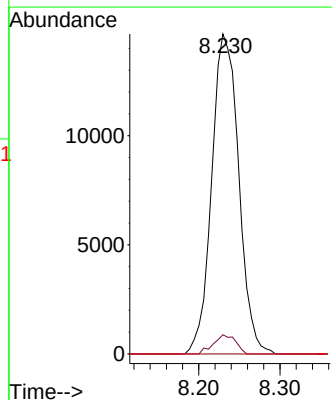
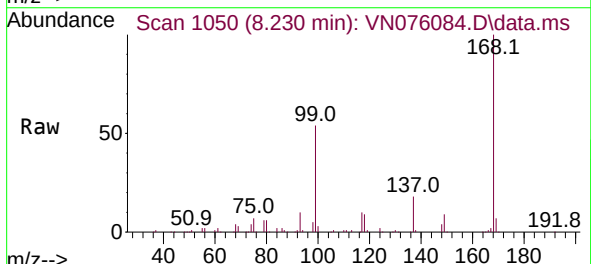
Instrument :
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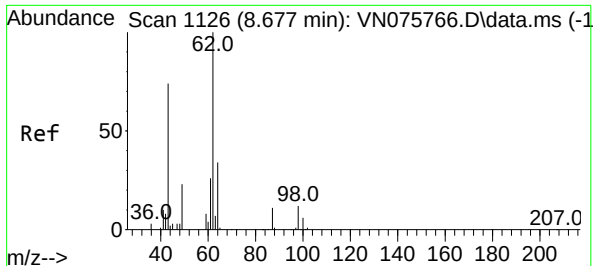
Tgt Ion: 43 Resp: 29769
Ion Ratio Lower Upper
43 100
61 16.0 13.0 19.4
70 10.8 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.636 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

Tgt Ion: 117 Resp: 33884
Ion Ratio Lower Upper
117 100
119 6.0 76.1 114.1#
121 0.0 24.5 36.7#





#42

1,2-Dichloroethane

Concen: 0.355 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VN076084.D

Acq: 04 Jan 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

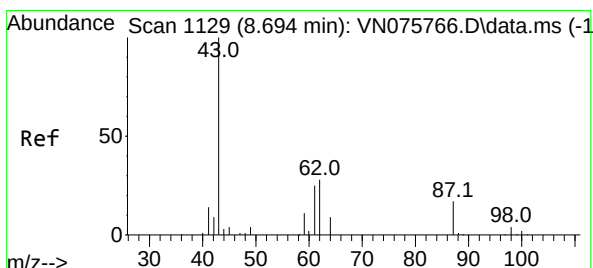
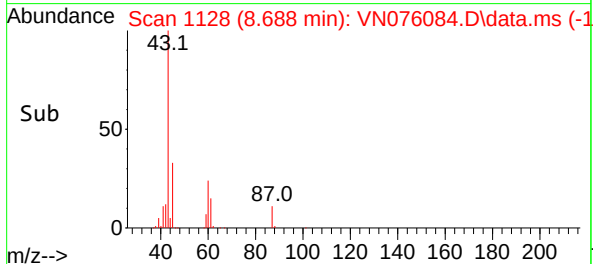
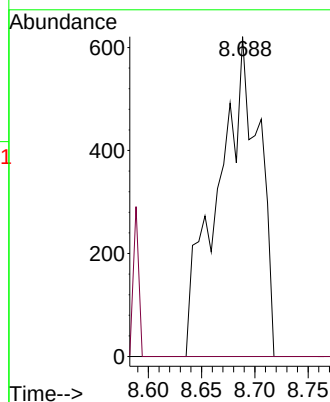
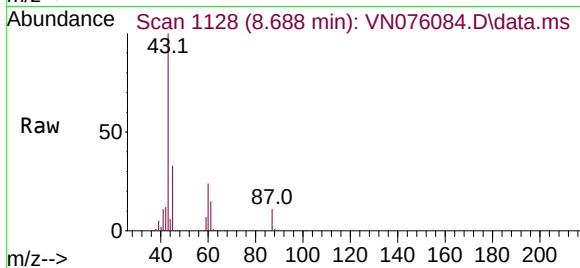
PB150013ZHE#05

Tgt Ion: 62 Resp: 1663

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8



#43

Isopropyl Acetate

Concen: 50.712 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN076084.D

Acq: 04 Jan 2023 16:17

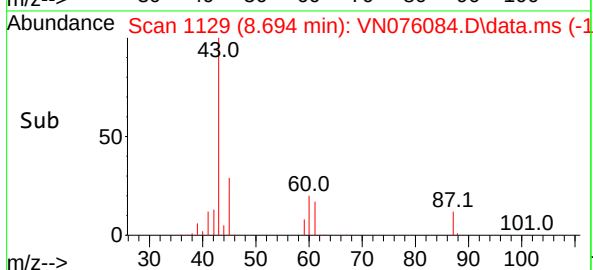
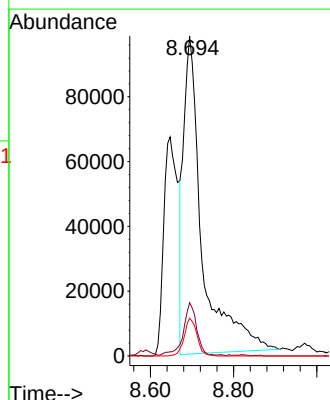
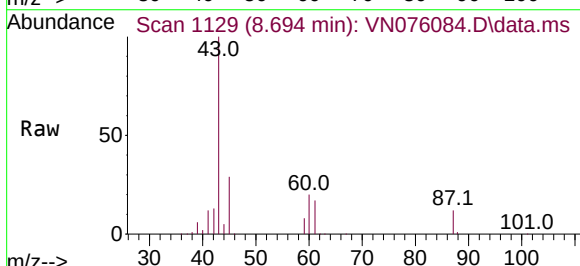
Tgt Ion: 43 Resp: 306536

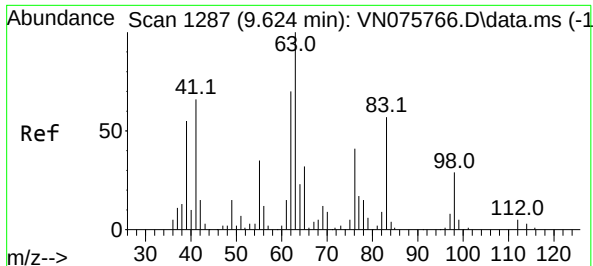
Ion Ratio Lower Upper

43 100

61 11.8 24.2 36.4#

87 8.1 13.3 19.9#





#45

1,2-Dichloropropane

Concen: 0.579 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN076084.D

Acq: 04 Jan 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

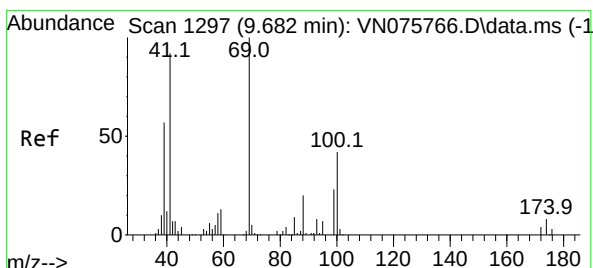
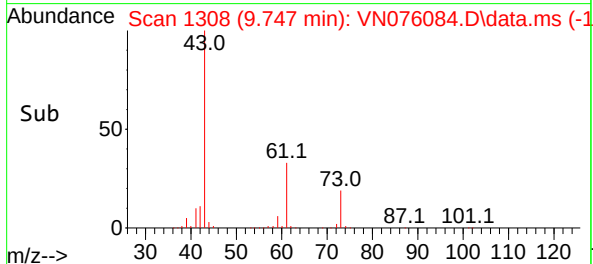
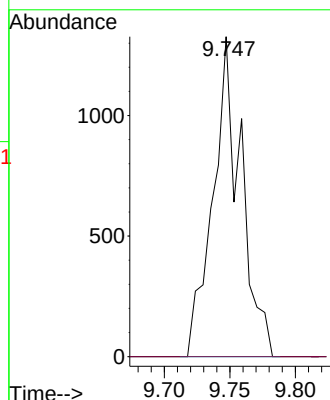
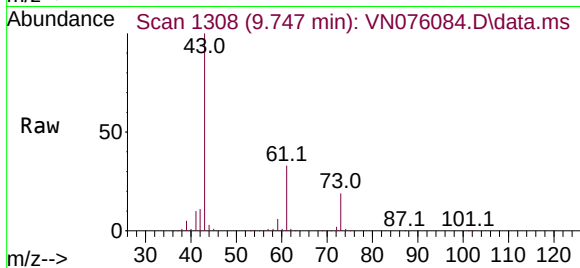
PB150013ZHE#05

Tgt Ion: 63 Resp: 1984

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#



#48

Methyl methacrylate

Concen: 1.466 ug/l

RT: 9.677 min Scan# 1296

Delta R.T. -0.006 min

Lab File: VN076084.D

Acq: 04 Jan 2023 16:17

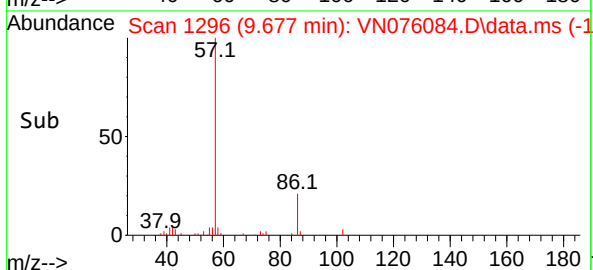
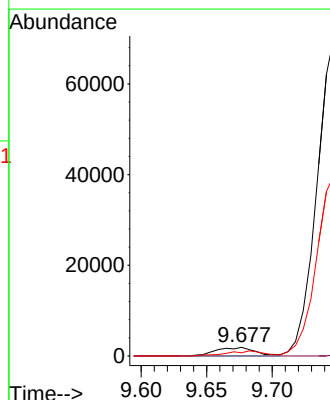
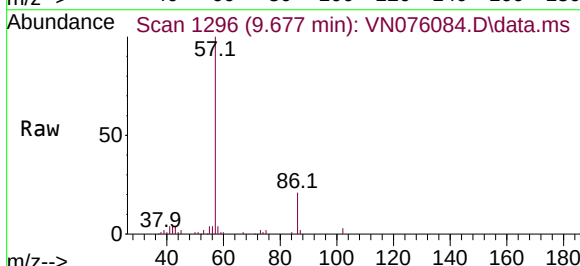
Tgt Ion: 41 Resp: 3992

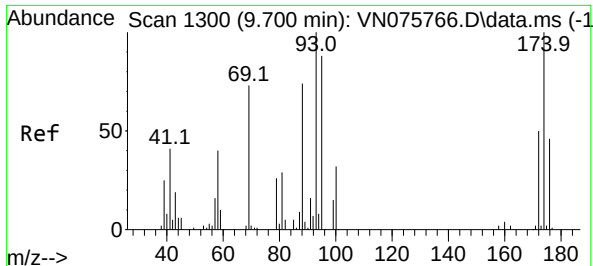
Ion Ratio Lower Upper

41 100

69 0.0 81.9 122.9#

39 0.0 51.6 77.4#





#49

1,4-Dioxane

Concen: 0.837 ug/l

RT: 9.753 min Scan# 1309

Delta R.T. 0.053 min

Lab File: VN076084.D

Acq: 04 Jan 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#05

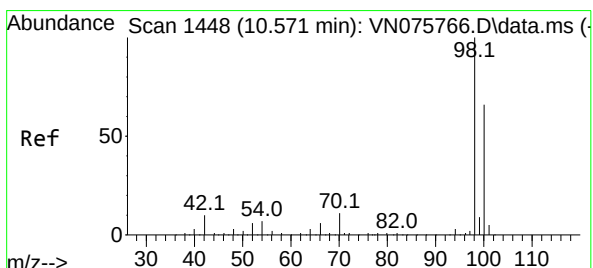
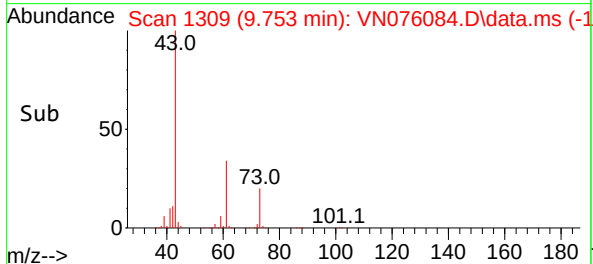
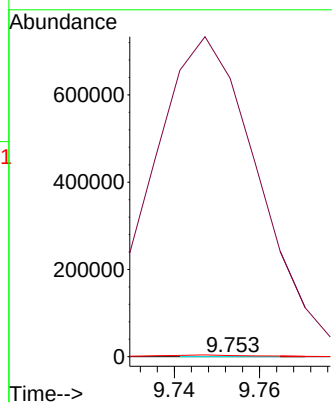
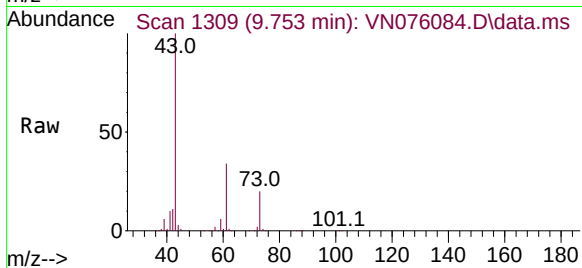
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 2360678.6 17.1 25.7#

58 11848.2 47.8 71.8#



#50

Toluene-d8

Concen: 50.177 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN076084.D

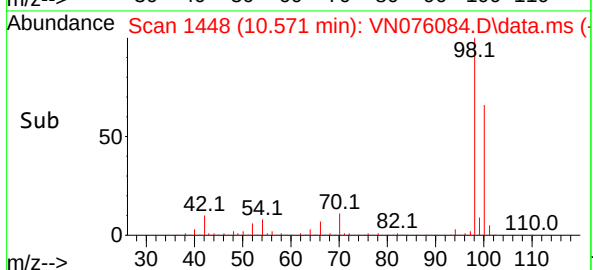
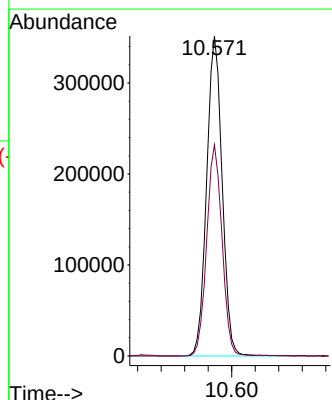
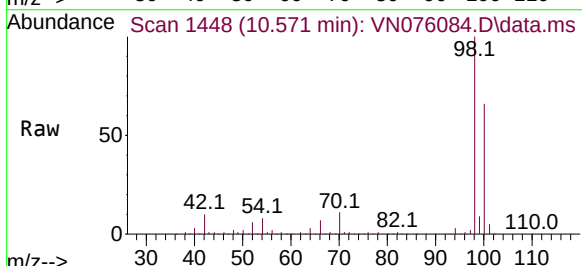
Acq: 04 Jan 2023 16:17

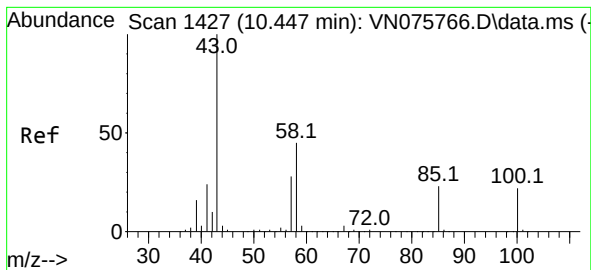
Tgt Ion: 98 Resp: 644272

Ion Ratio Lower Upper

98 100

100 65.3 52.1 78.1

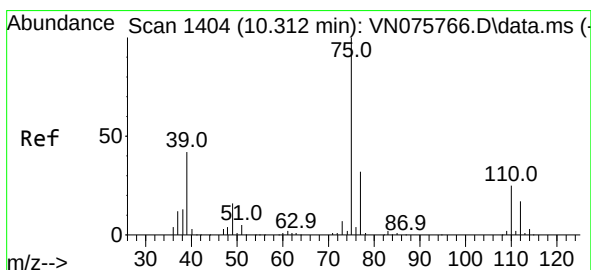
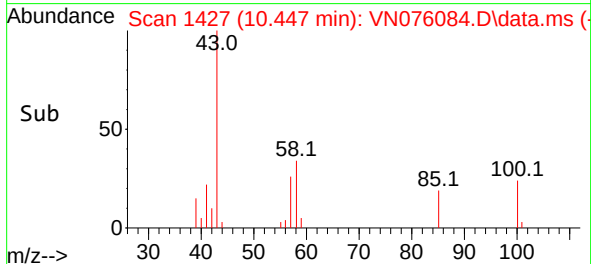
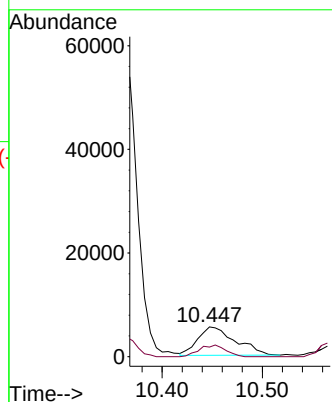
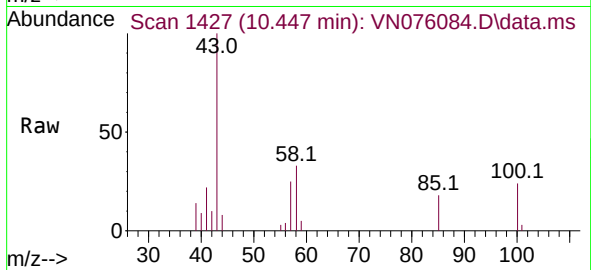




#51
4-Methyl-2-Pentanone
Concen: 3.914 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

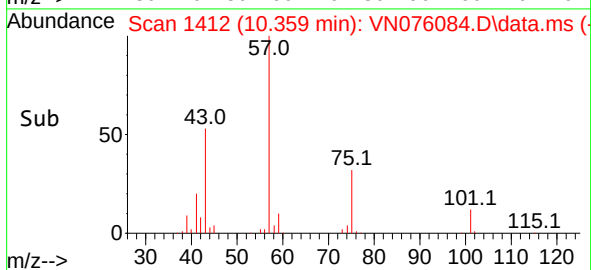
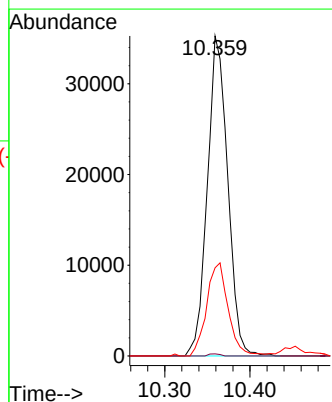
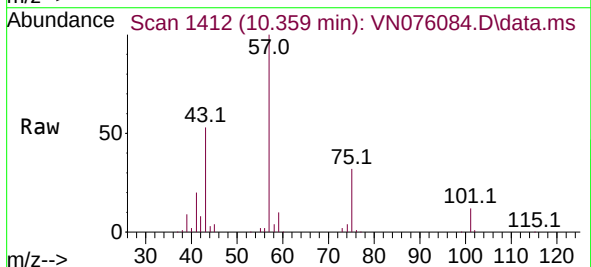
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#05

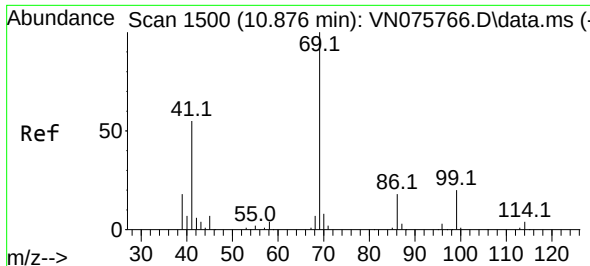
Tgt Ion: 43 Resp: 14308
Ion Ratio Lower Upper
43 100
58 28.8 35.5 53.3#



#54
cis-1,3-Dichloropropene
Concen: 10.947 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

Tgt Ion: 75 Resp: 58613
Ion Ratio Lower Upper
75 100
77 0.6 25.8 38.8#
39 27.6 33.4 50.2#

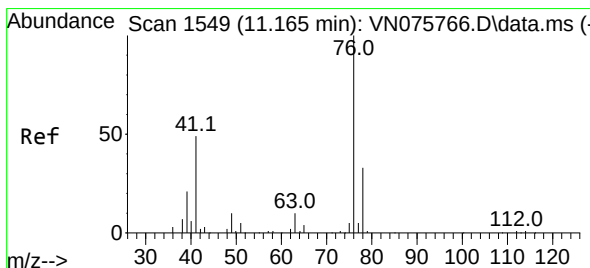
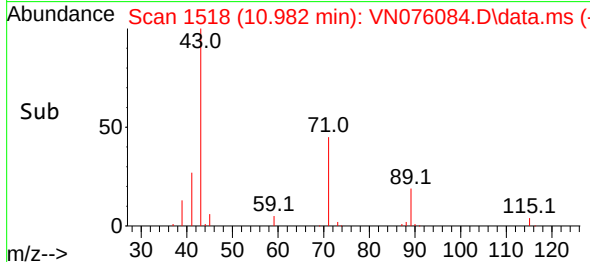
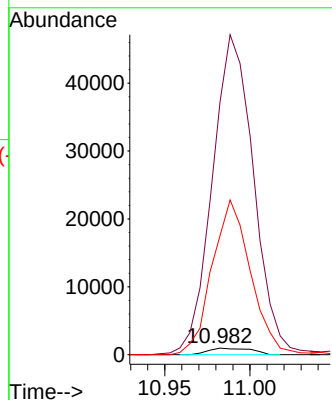
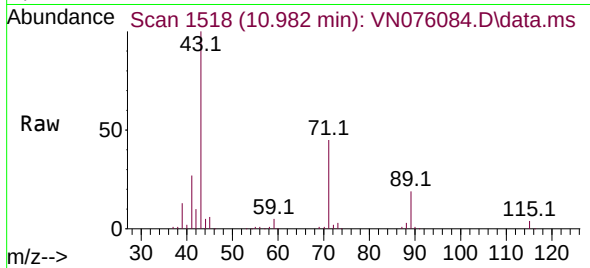




#56
Ethyl methacrylate
Concen: 0.354 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

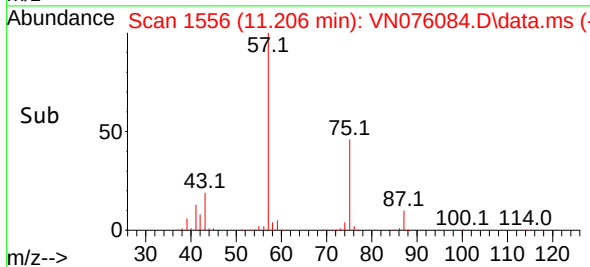
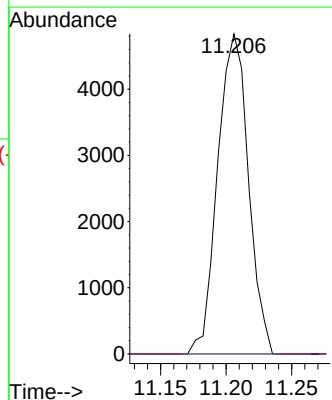
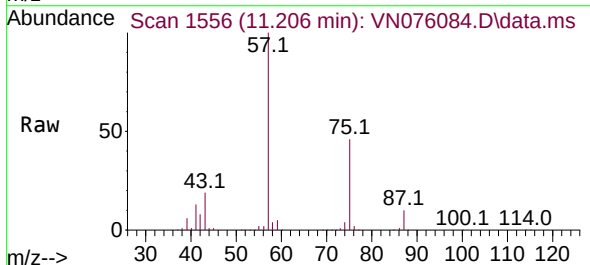
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#05

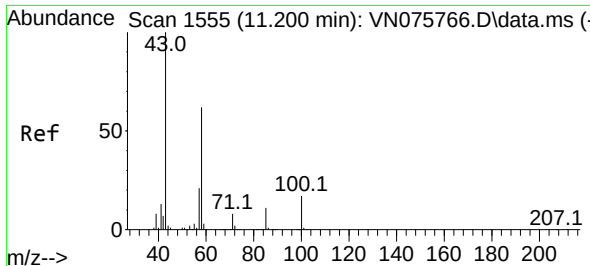
Tgt Ion: 69 Resp: 1693
Ion Ratio Lower Upper
69 100
41 4716.5 44.2 66.4#
39 2131.2 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.336 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

Tgt Ion: 76 Resp: 7882
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

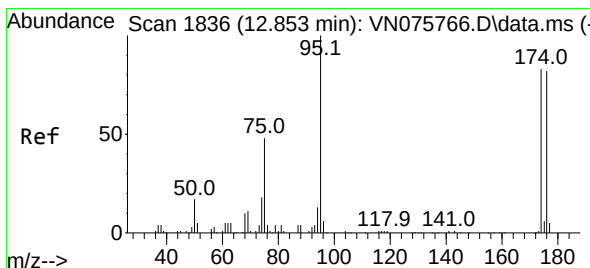
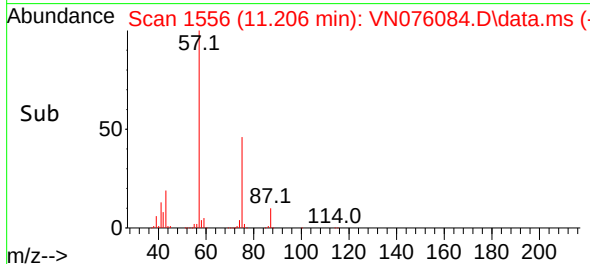
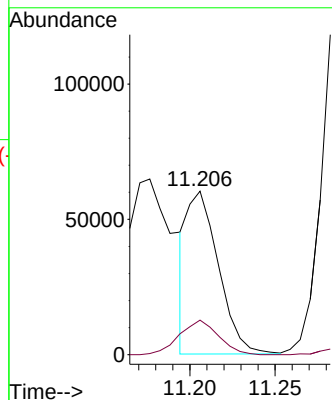
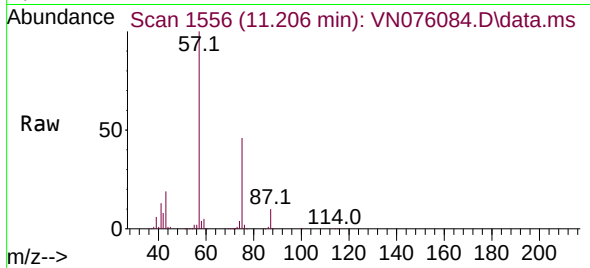




#59
2-Hexanone
Concen: 28.810 ug/l
RT: 11.206 min Scan# 1155
Delta R.T. 0.006 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

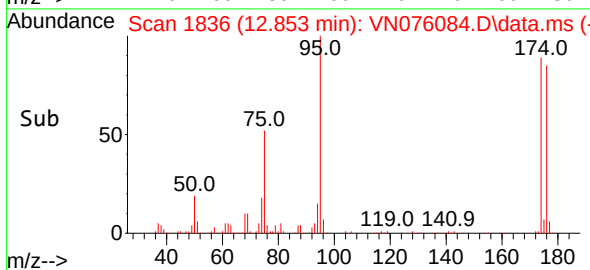
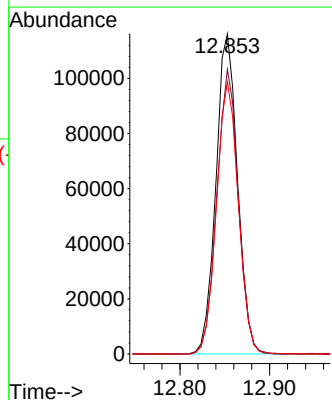
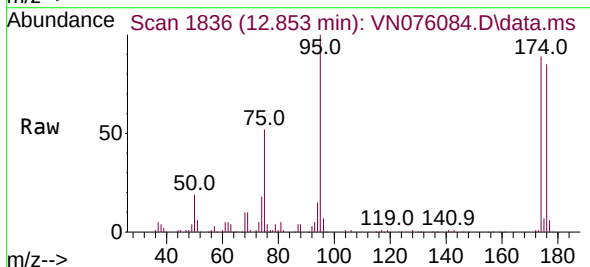
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#05

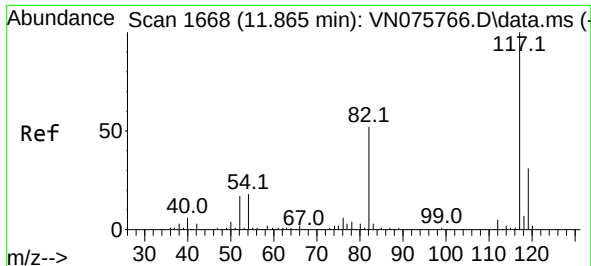
Tgt Ion: 43 Resp: 76804
Ion Ratio Lower Upper
43 100
58 26.5 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 45.651 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

Tgt Ion: 95 Resp: 194143
Ion Ratio Lower Upper
95 100
174 88.1 0.0 171.6
176 85.8 0.0 169.2

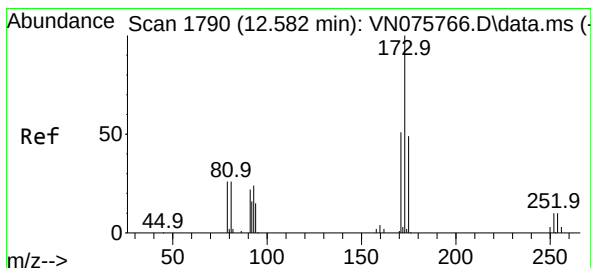
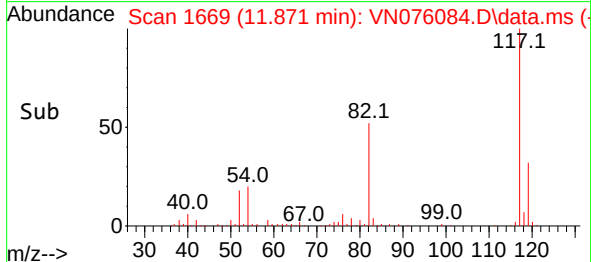
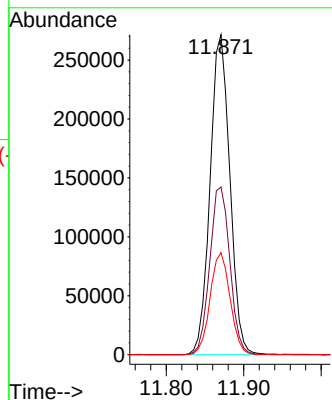
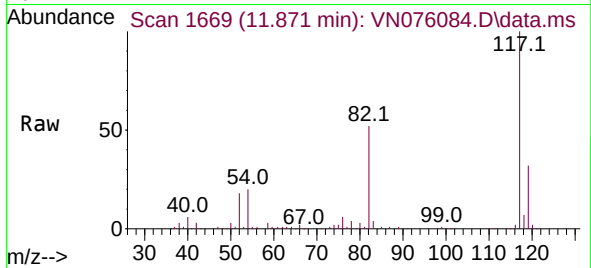




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

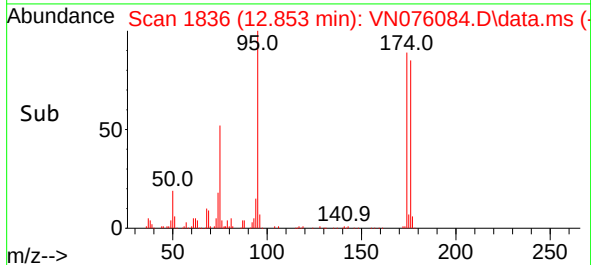
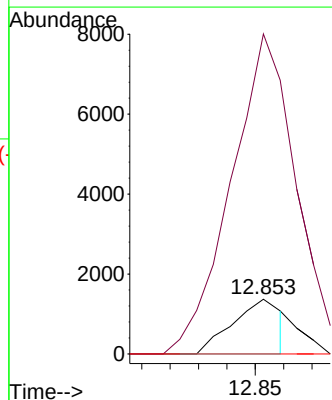
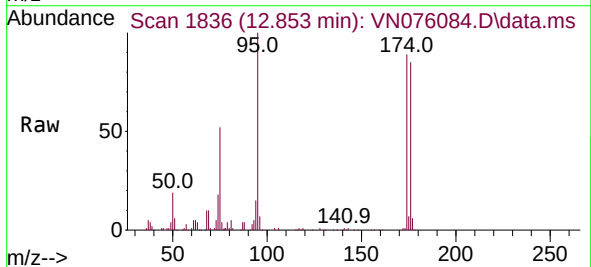
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#05

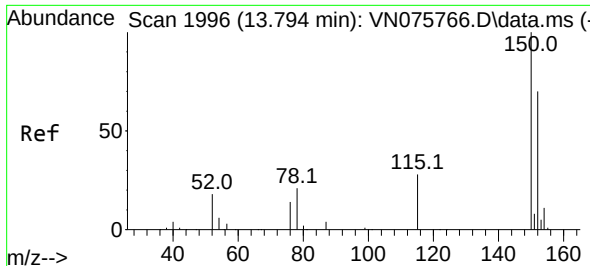
Tgt Ion:117 Resp: 480994
Ion Ratio Lower Upper
117 100
82 52.4 41.3 61.9
119 31.9 24.6 37.0



#71
Bromoform
Concen: 0.616 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

Tgt Ion:173 Resp: 1640
Ion Ratio Lower Upper
173 100
175 619.3 24.3 72.8#
254 0.0 0.0 0.0

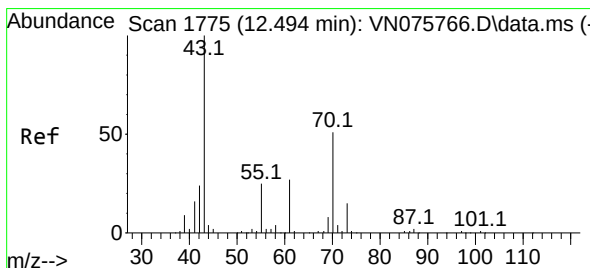
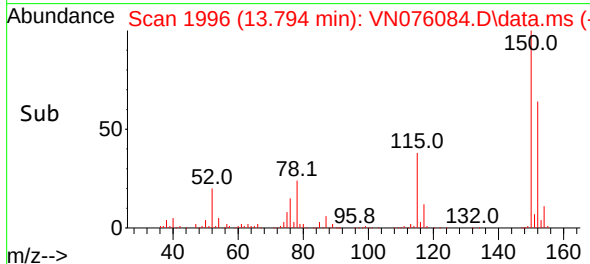
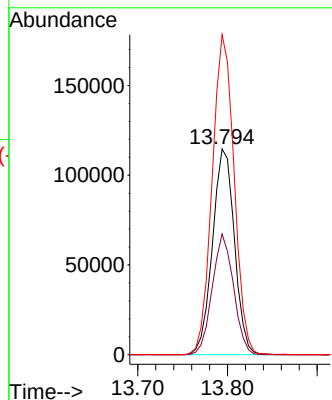
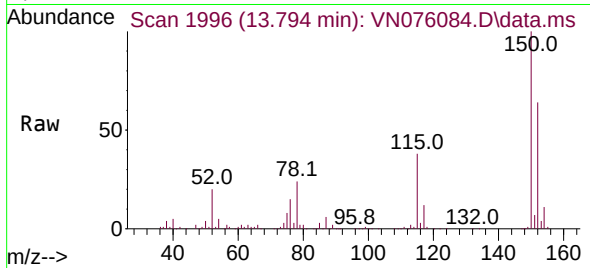




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN076084.D
 Acq: 04 Jan 2023 16:17

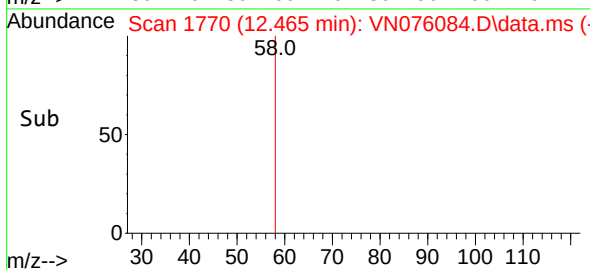
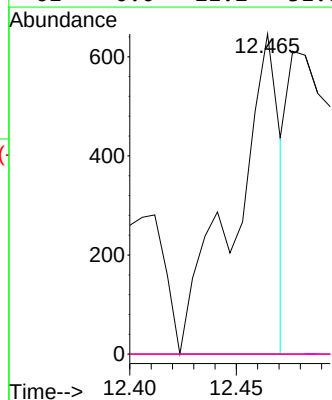
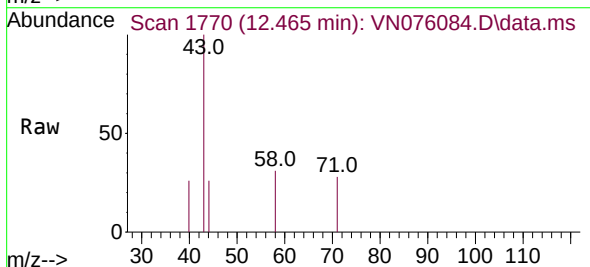
Instrument :
 MSVOA_N
 ClientSampleId :
 PB150013ZHE#05

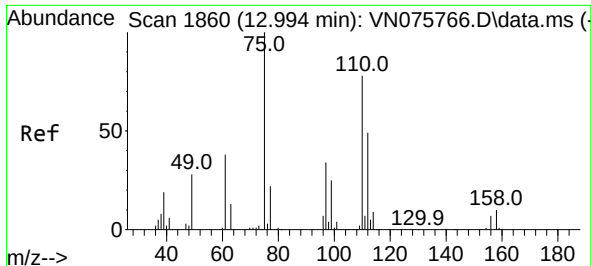
Tgt Ion:152 Resp: 194835
 Ion Ratio Lower Upper
 152 100
 115 56.7 29.1 87.4
 150 155.2 0.0 347.0



#74
 N-ethyl acetate
 Concen: 0.232 ug/l
 RT: 12.465 min Scan# 1770
 Delta R.T. -0.029 min
 Lab File: VN076084.D
 Acq: 04 Jan 2023 16:17

Tgt Ion: 43 Resp: 960
 Ion Ratio Lower Upper
 43 100
 70 0.0 41.4 62.0#
 55 0.0 21.3 31.9#
 61 0.0 21.2 31.8#

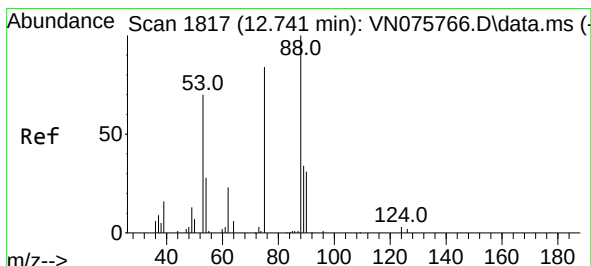
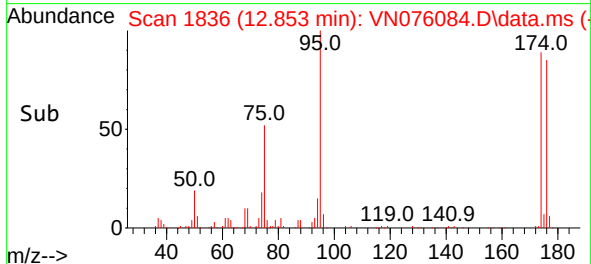
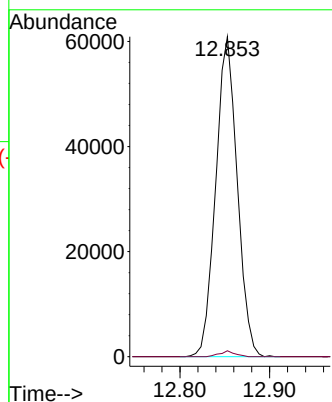
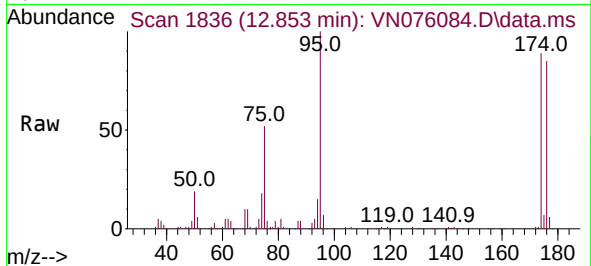




#76
1,2,3-Trichloropropane
Concen: 25.778 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

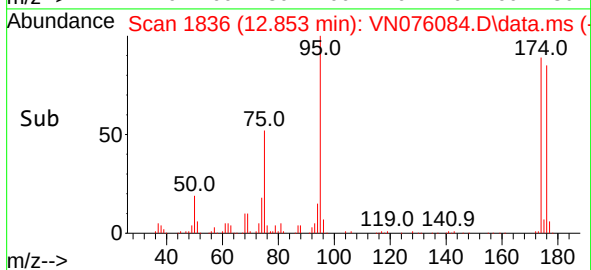
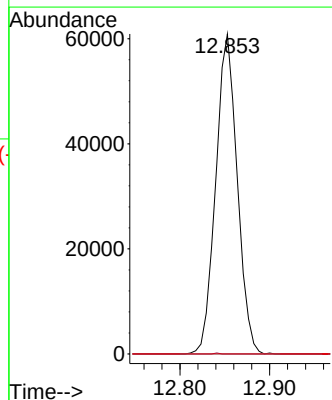
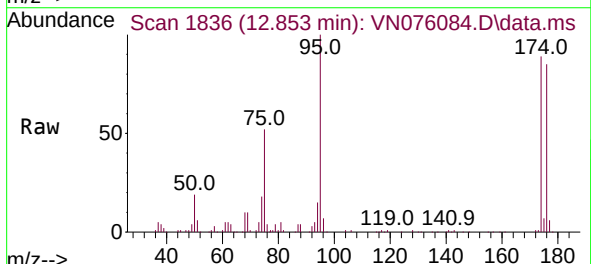
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#05

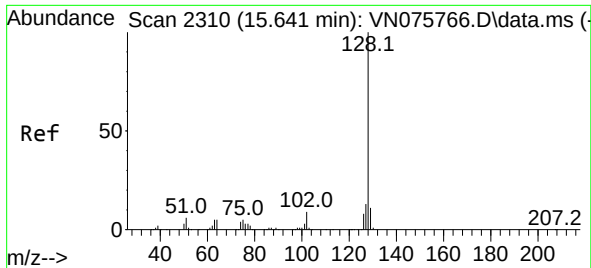
Tgt Ion: 75 Resp: 101242
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.789 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

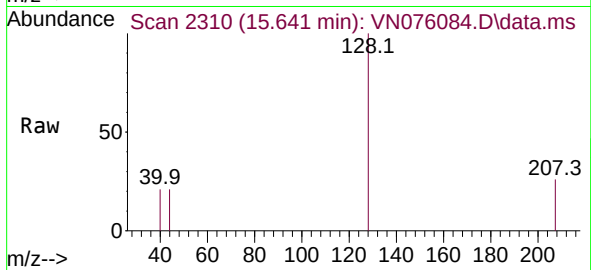
Tgt Ion: 75 Resp: 101242
Ion Ratio Lower Upper
75 100
53 0.1 73.8 110.6#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.290 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076084.D
Acq: 04 Jan 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#05



Tgt Ion:	128	Resp:	1250
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.7	13.1#

