

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077822.D
 Acq On : 23 May 2023 17:30
 Operator : JC\MD
 Sample : PB152982ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152982ZHE#04

Quant Time: May 24 02:55:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

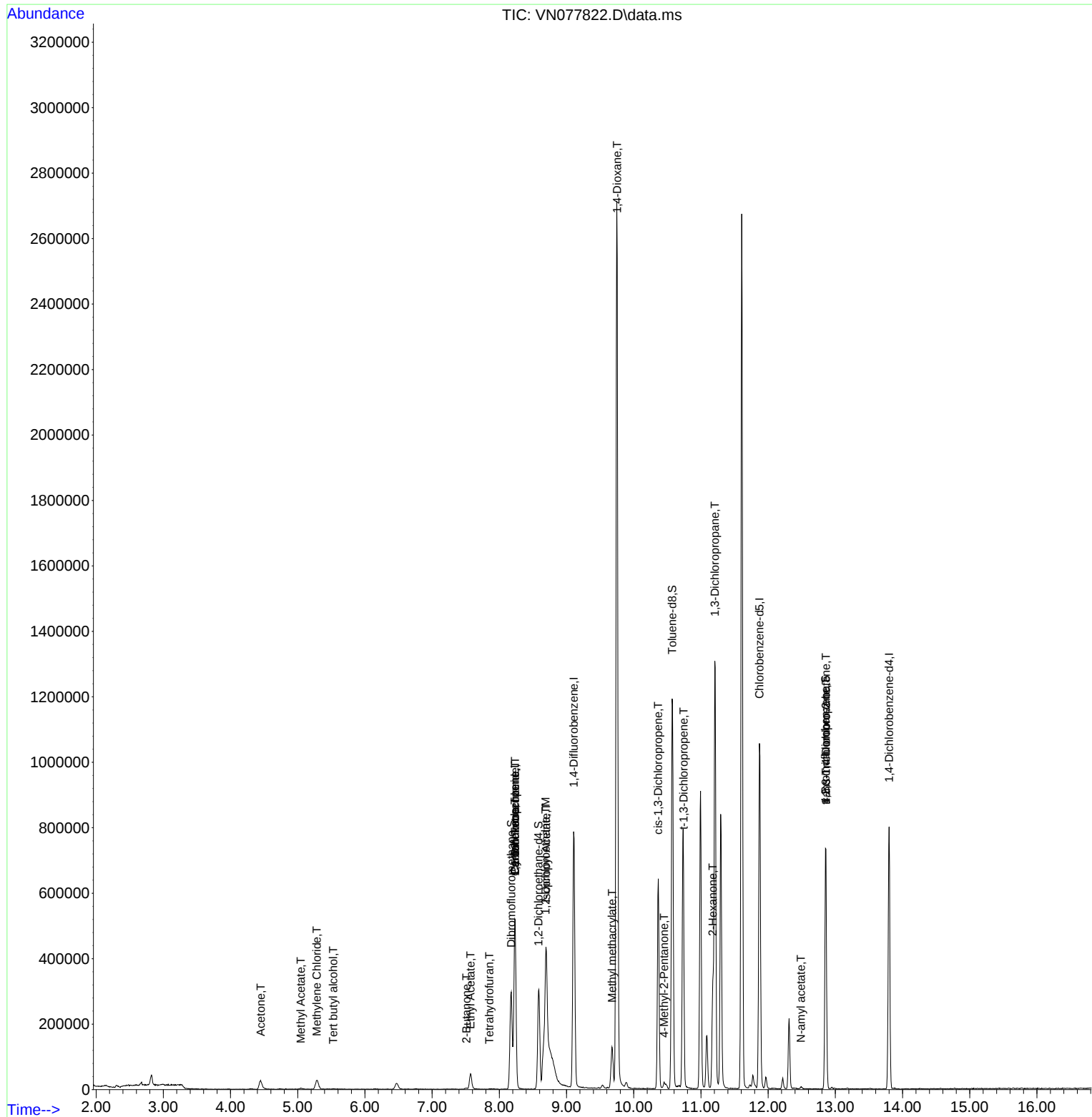
Internal Standards						
1) Pentafluorobenzene	8.230	168	378602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	714710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	647159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	218014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	253679	44.781	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.560%		
35) Dibromofluoromethane	8.177	113	220325	47.275	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.540%		
50) Toluene-d8	10.571	98	872549	48.640	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.280%		
62) 4-Bromofluorobenzene	12.853	95	269407	42.523	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.040%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1315	Below Cal		90
11) Tert butyl alcohol	5.530	59	177	0.226 ug/l #		72
13) Acrolein	4.183	56	86	Below Cal #		16
16) Acetone	4.448	43	51123	28.685 ug/l		90
18) Methyl Acetate	5.048	43	5387	0.720 ug/l #		86
20) Methylene Chloride	5.283	84	22282	2.944 ug/l		97
25) 2-Butanone	7.512	43	5705	2.046 ug/l #		87
29) Tetrahydrofuran	7.853	42	728	0.399 ug/l #		72
31) Cyclohexane	8.230	56	8473	1.100 ug/l #		54
36) 1,1-Dichloropropene	8.236	75	30465	4.469 ug/l #		50
37) Ethyl Acetate	7.571	43	70274	11.566 ug/l		96
38) Carbon Tetrachloride	8.236	117	41582	6.041 ug/l #		16
42) 1,2-Dichloroethane	8.689	62	3773	0.516 ug/l #		73
43) Isopropyl Acetate	8.694	43	813872	82.008 ug/l #		65
48) Methyl methacrylate	9.677	41	7689	1.634 ug/l #		3
49) 1,4-Dioxane	9.753	88	414	4.658 ug/l #		1
51) 4-Methyl-2-Pentanone	10.453	43	11950	2.026 ug/l		92
53) t-1,3-Dichloropropene	10.741	75	2514	0.338 ug/l #		82
54) cis-1,3-Dichloropropene	10.365	75	120047	14.634 ug/l #		68
57) 1,3-Dichloropropane	11.206	76	15031	1.763 ug/l #		43
59) 2-Hexanone	11.177	43	253160	58.020 ug/l #		19
74) N-amyl acetate	12.488	43	3516	0.506 ug/l #		41
76) 1,2,3-Trichloropropane	12.859	75	135725	24.859 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.859	75	135725	79.461 ug/l #		15

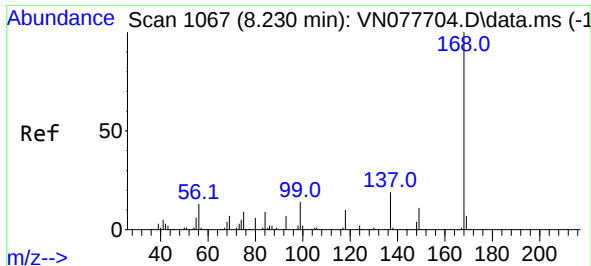
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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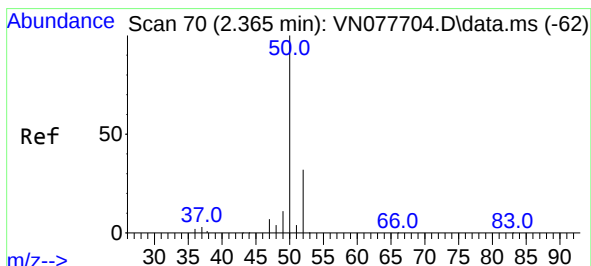
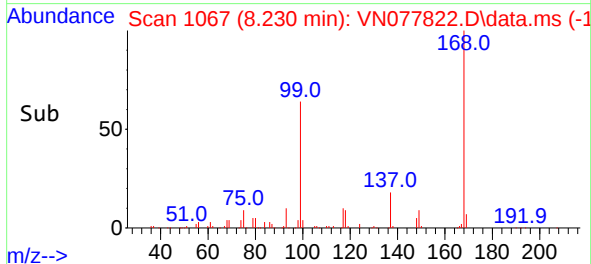
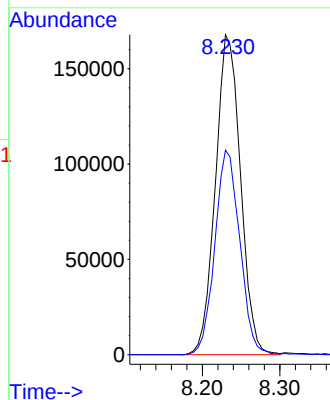
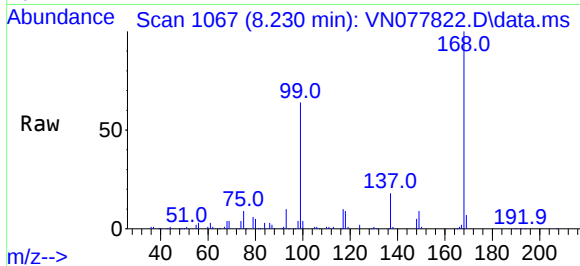




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

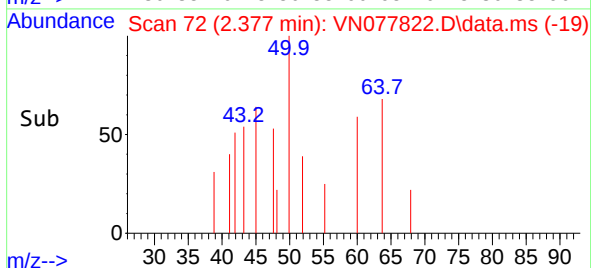
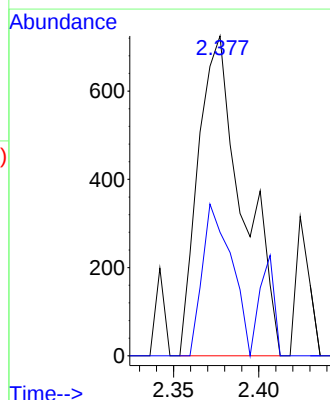
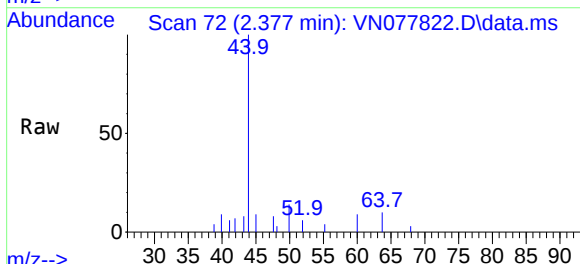
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#04

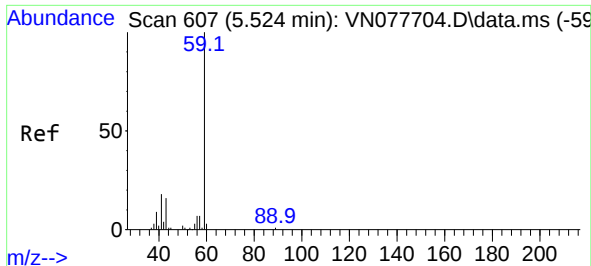
Tgt Ion:168 Resp: 378602
Ion Ratio Lower Upper
168 100
99 64.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

Tgt Ion: 50 Resp: 1315
Ion Ratio Lower Upper
50 100
52 38.6 26.5 39.7

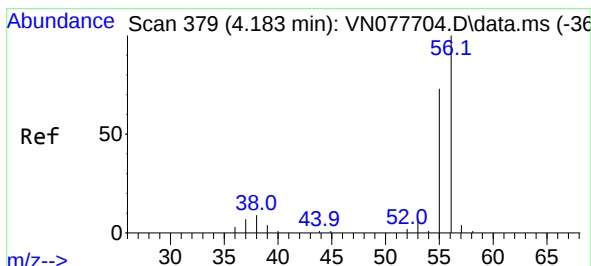
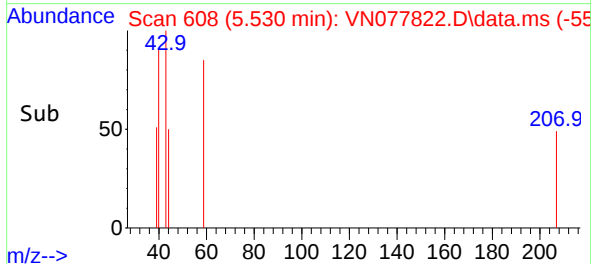
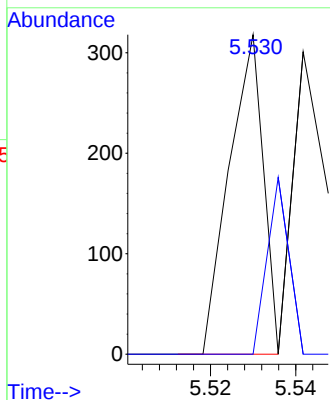
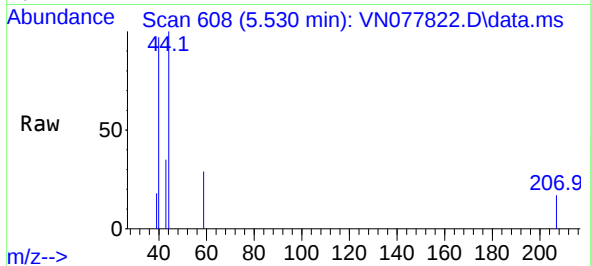




#11
Tert butyl alcohol
Concen: 0.226 ug/l
RT: 5.530 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

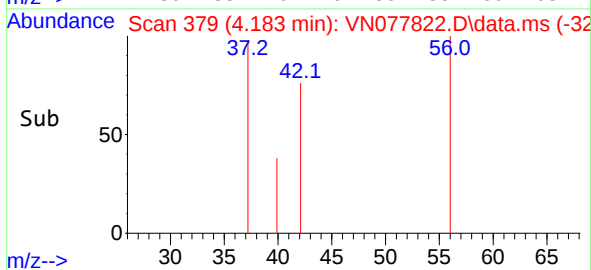
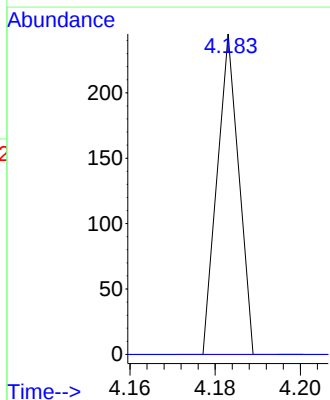
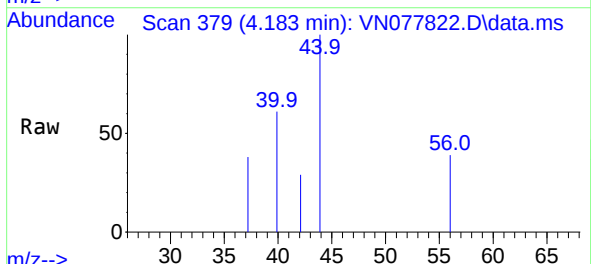
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#04

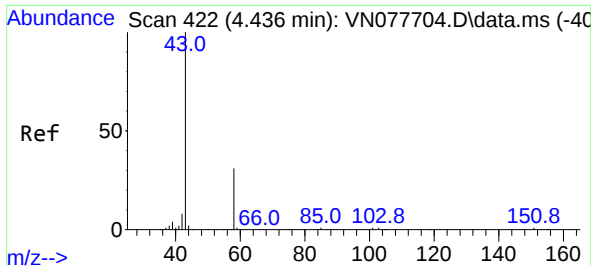
Tgt Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 379
Delta R.T. -0.006 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

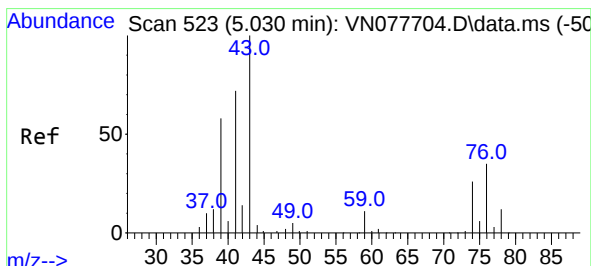
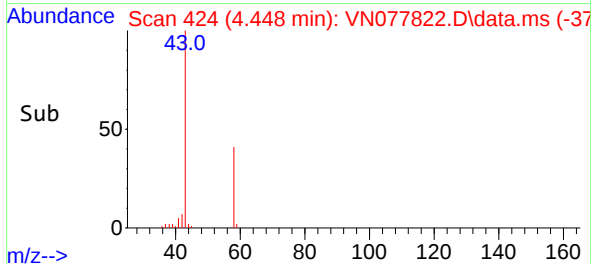
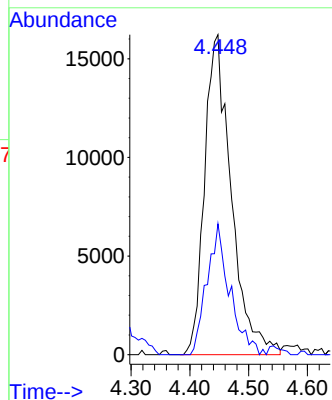
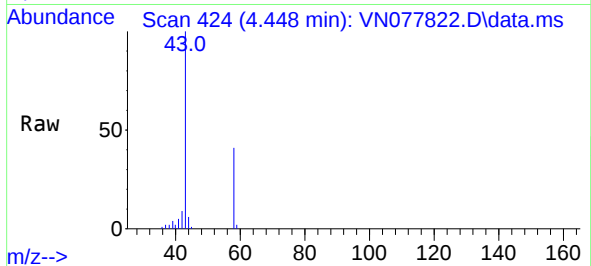




#16
Acetone
Concen: 28.685 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

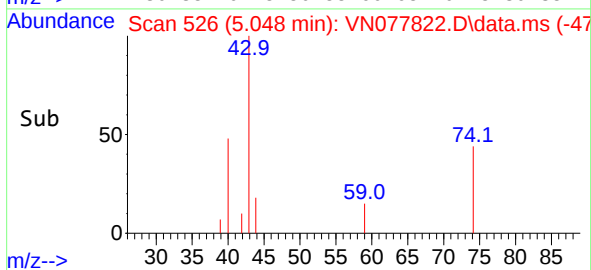
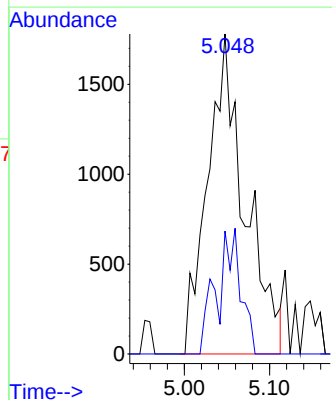
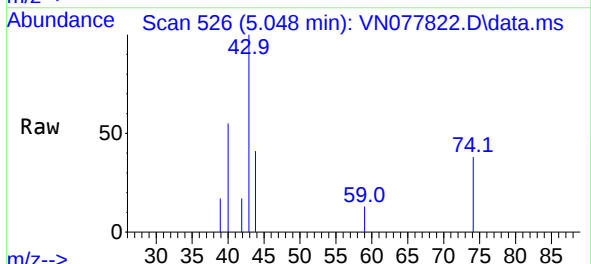
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#04

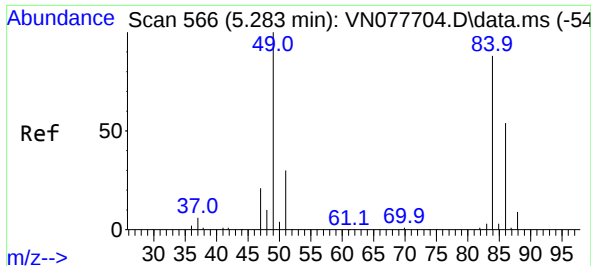
Tgt Ion: 43 Resp: 51123
Ion Ratio Lower Upper
43 100
58 40.9 28.0 42.0



#18
Methyl Acetate
Concen: 0.720 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.012 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

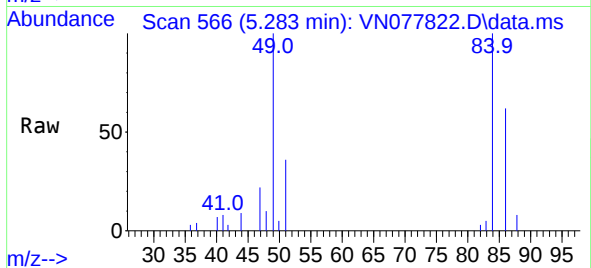
Tgt Ion: 43 Resp: 5387
Ion Ratio Lower Upper
43 100
74 25.0 26.2 39.4#





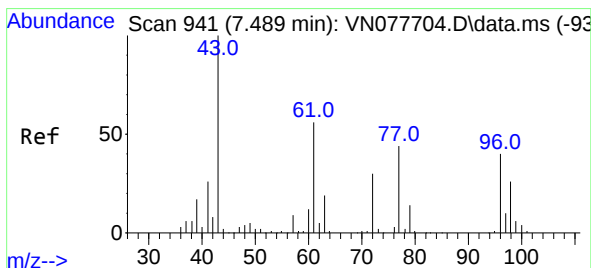
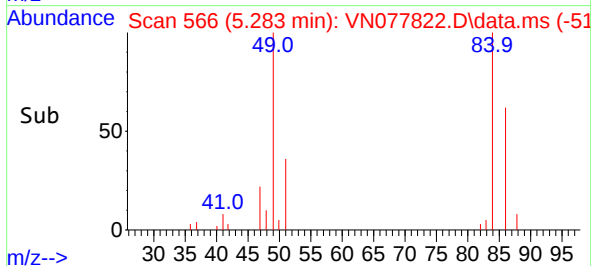
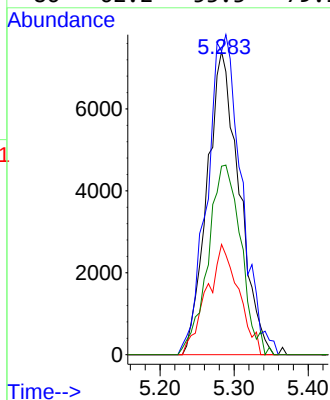
#20
Methylene Chloride
Concen: 2.944 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#04



Tgt Ion: 84 Resp: 22282

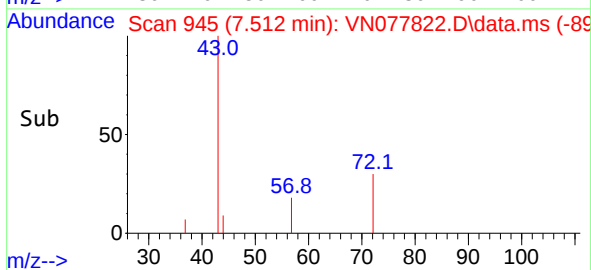
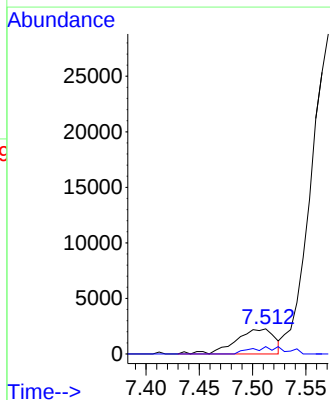
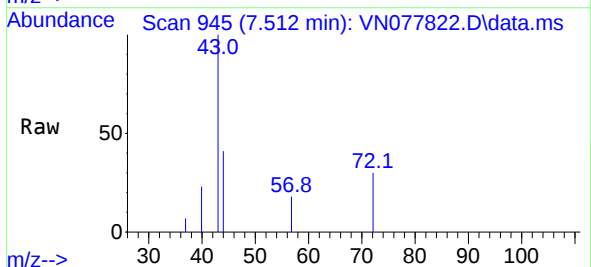
Ion	Ratio	Lower	Upper
84	100		
49	100.1	79.7	119.5
51	36.3	25.2	37.8
86	62.2	53.3	79.9

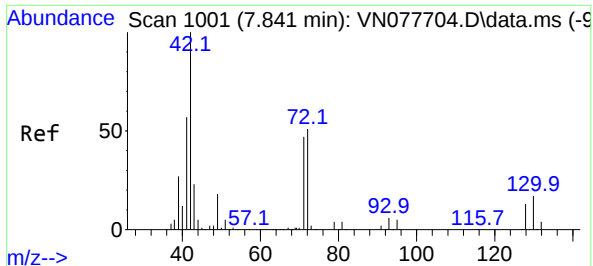


#25
2-Butanone
Concen: 2.046 ug/l
RT: 7.512 min Scan# 945
Delta R.T. 0.024 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

Tgt Ion: 43 Resp: 5705

Ion	Ratio	Lower	Upper
43	100		
72	29.6	30.2	45.2#

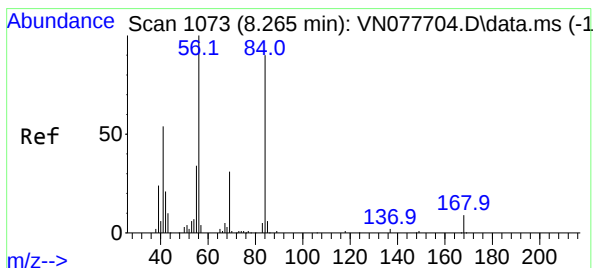
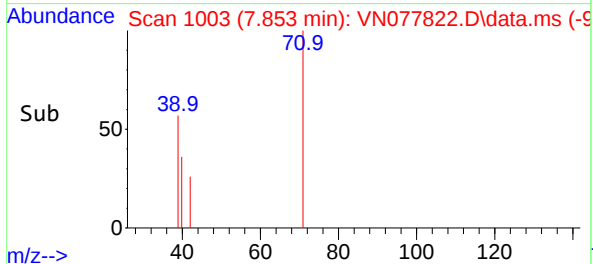
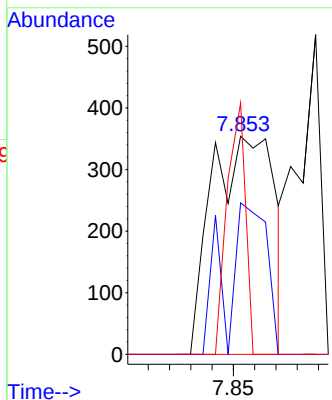
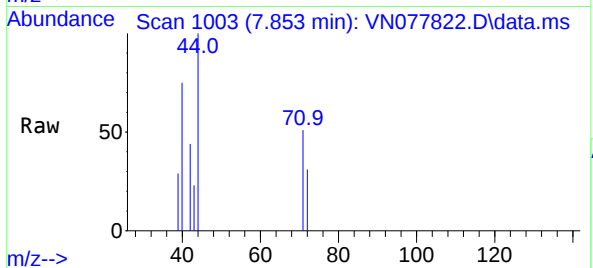




#29
Tetrahydrofuran
Concen: 0.399 ug/l
RT: 7.853 min Scan# 1067
Delta R.T. 0.012 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

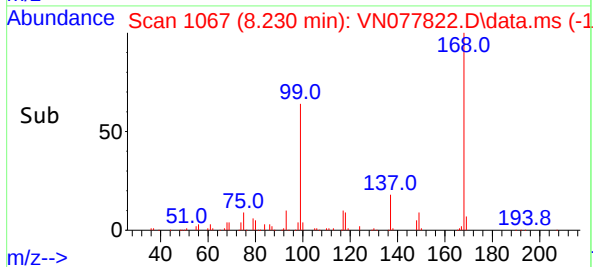
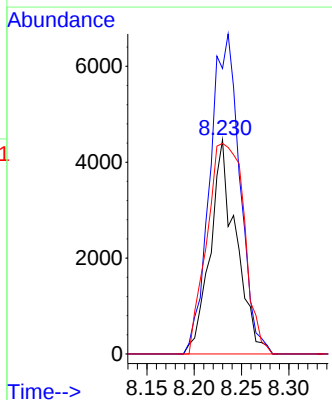
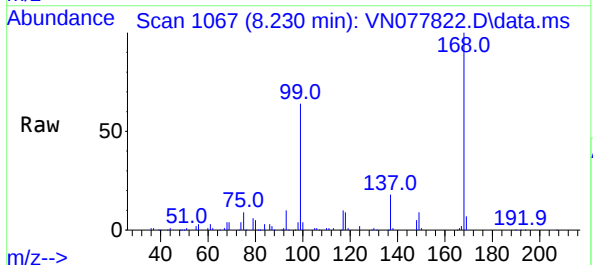
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#04

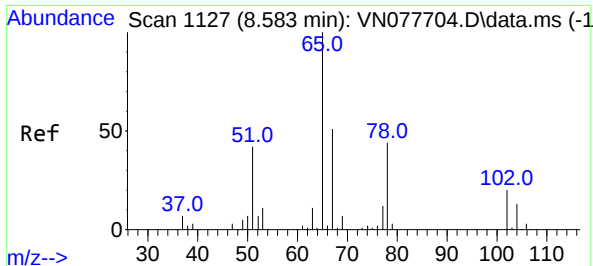
Tgt Ion:	42	Resp:	728
Ion	Ratio	Lower	Upper
42	100		
72	44.5	49.8	74.6#
71	33.7	47.4	71.2#



#31
Cyclohexane
Concen: 1.100 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

Tgt Ion:	56	Resp:	8473
Ion	Ratio	Lower	Upper
56	100		
69	133.3	26.8	40.2#
84	98.3	81.8	122.6

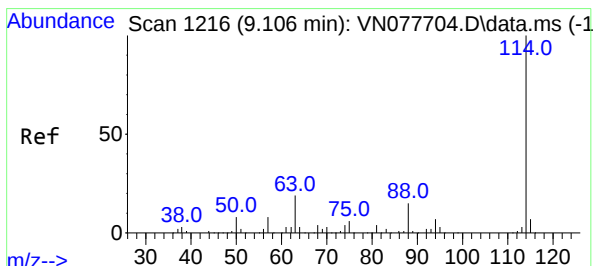
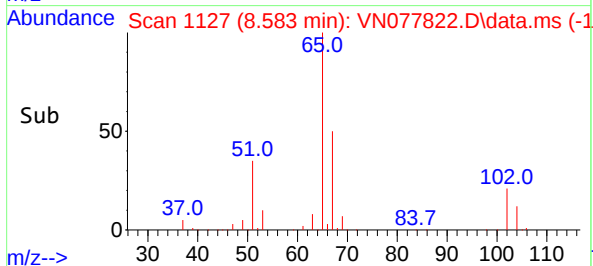
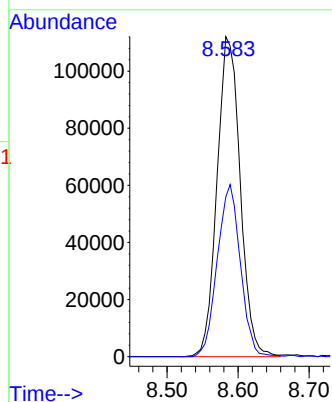
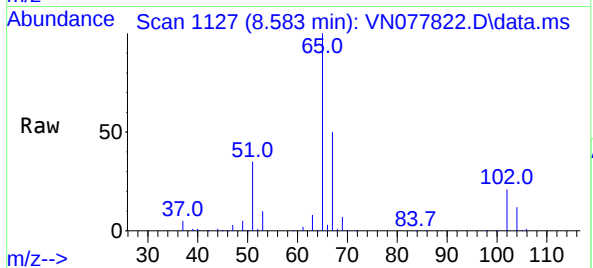




#33
1,2-Dichloroethane-d4
Concen: 44.781 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

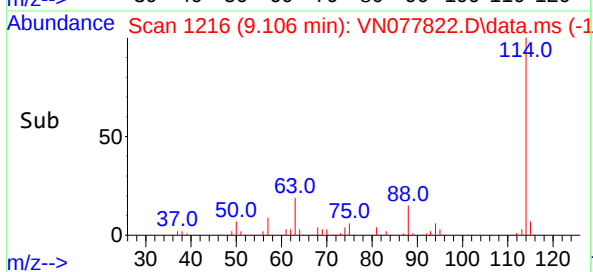
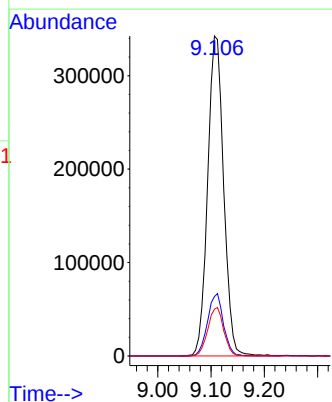
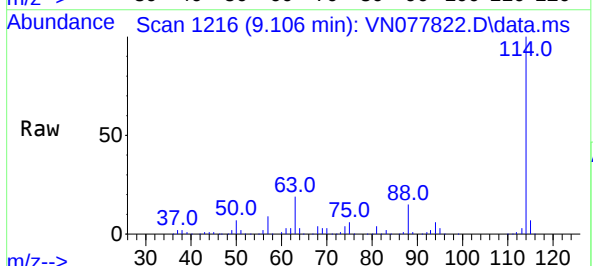
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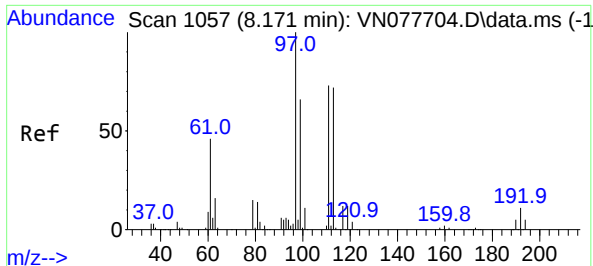
Tgt Ion: 65 Resp: 253679
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

Tgt Ion: 114 Resp: 714710
Ion Ratio Lower Upper
114 100
63 18.5 0.0 36.4
88 14.6 0.0 30.6

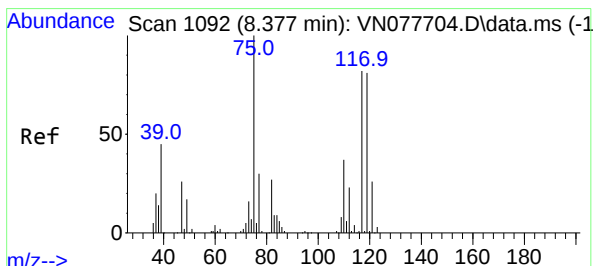
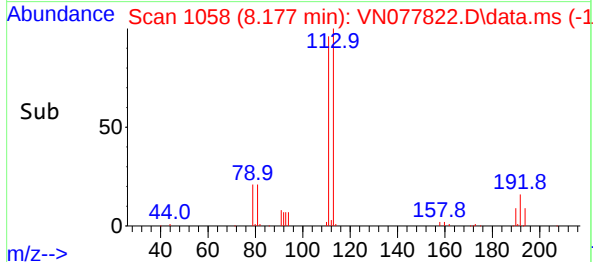
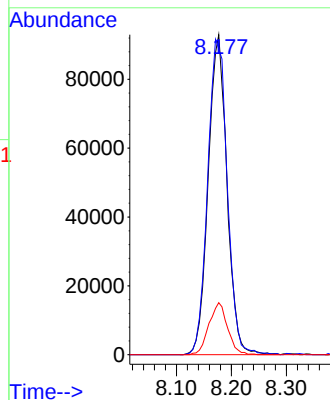
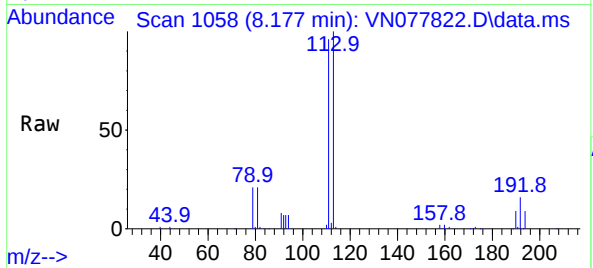




#35
Dibromofluoromethane
Concen: 47.275 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

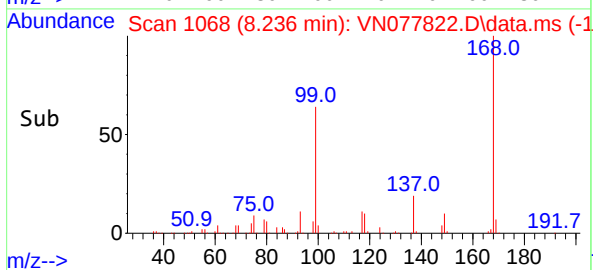
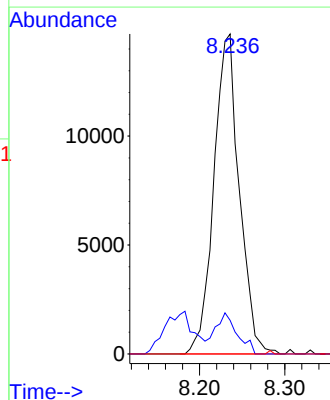
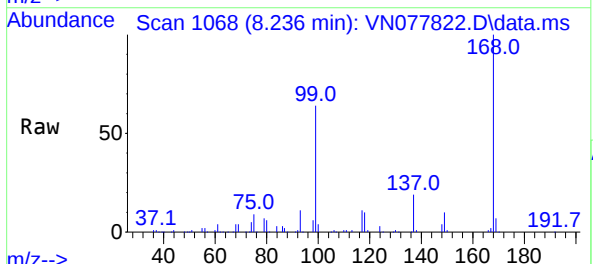
Instrument :
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PB152982ZHE#04

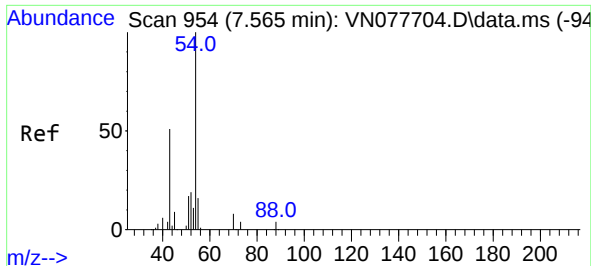
Tgt Ion:113 Resp: 220325
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 16.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.469 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

Tgt Ion: 75 Resp: 30465
Ion Ratio Lower Upper
75 100
110 11.1 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 11.566 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN077822.D

Acq: 23 May 2023 17:30

Instrument :

MSVOA_N

ClientSampleId :

PB152982ZHE#04

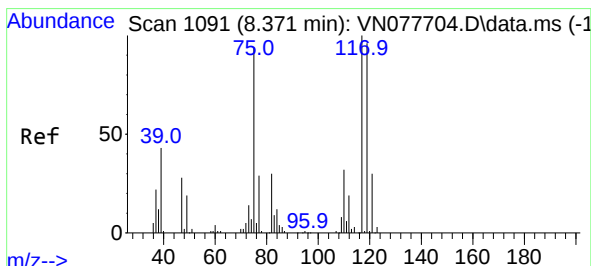
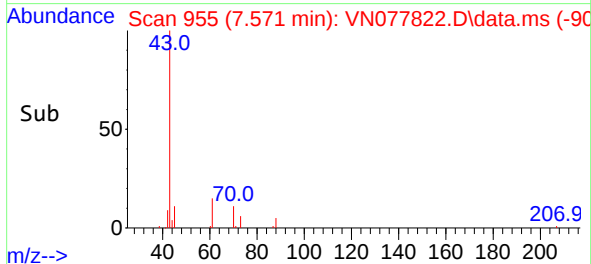
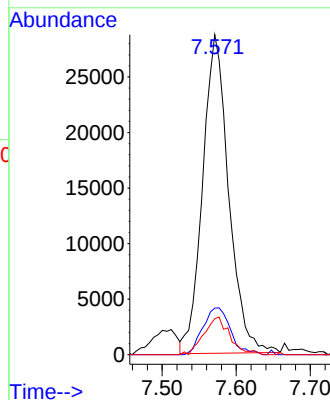
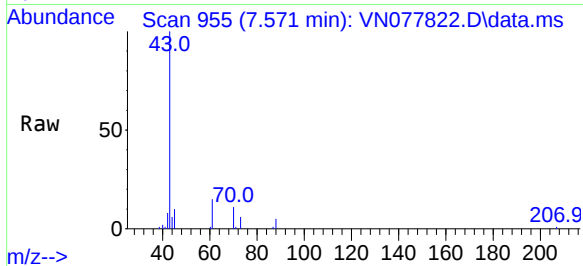
Tgt Ion: 43 Resp: 70274

Ion Ratio Lower Upper

43 100

61 15.6 13.2 19.8

70 11.8 11.3 16.9



#38

Carbon Tetrachloride

Concen: 6.041 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN077822.D

Acq: 23 May 2023 17:30

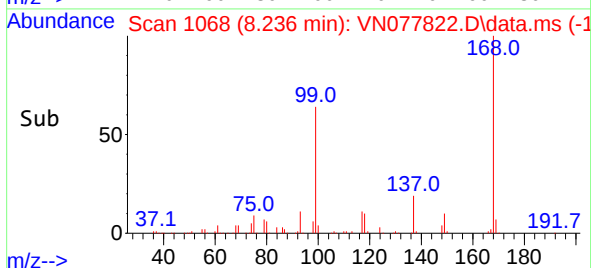
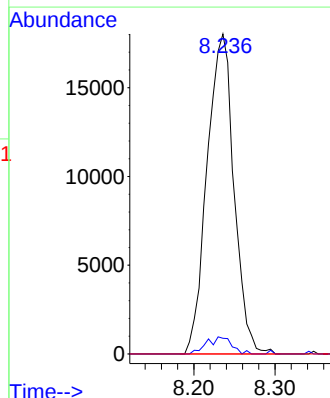
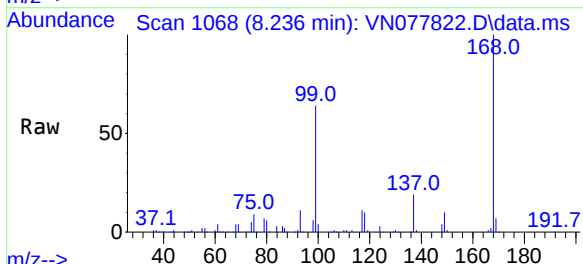
Tgt Ion: 117 Resp: 41582

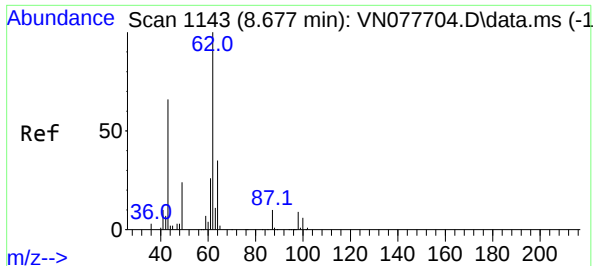
Ion Ratio Lower Upper

117 100

119 4.9 77.3 115.9#

121 0.0 23.3 34.9#

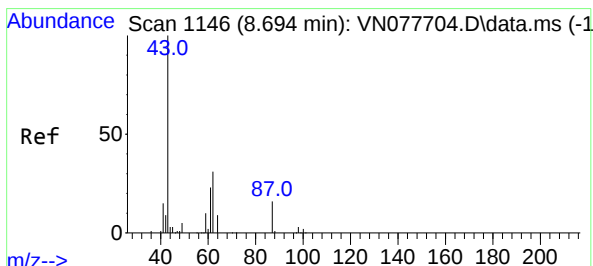
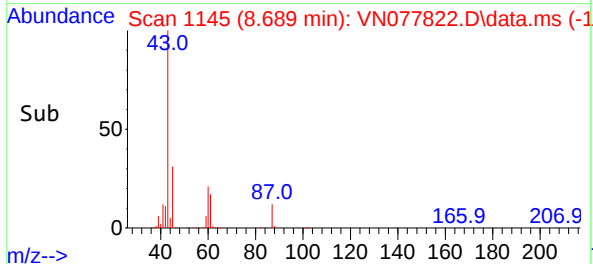
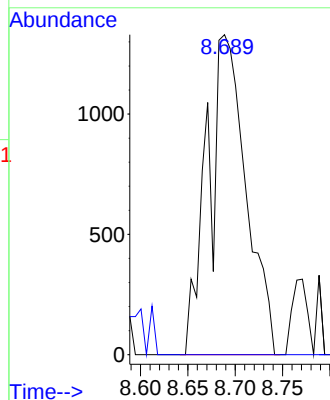
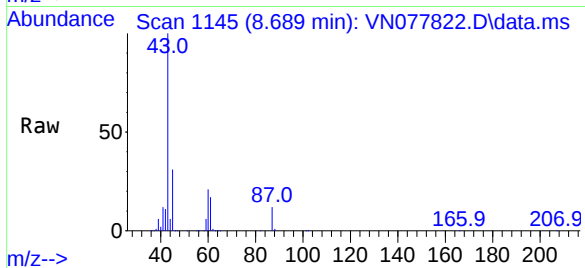




#42
1,2-Dichloroethane
Concen: 0.516 ug/l
RT: 8.689 min Scan# 1143
Delta R.T. 0.012 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

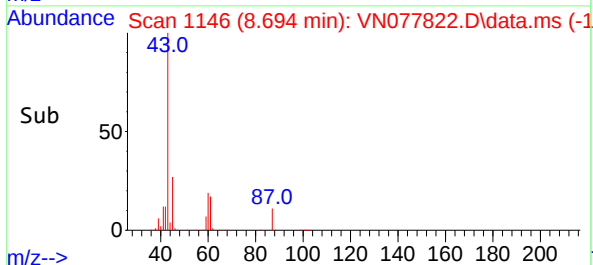
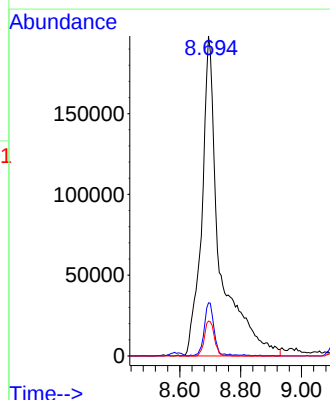
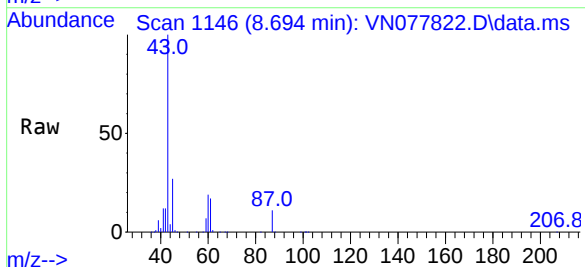
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#04

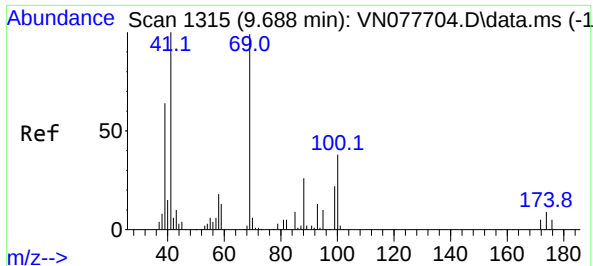
Tgt Ion: 62 Resp: 3773
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



#43
Isopropyl Acetate
Concen: 82.008 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

Tgt Ion: 43 Resp: 813872
Ion Ratio Lower Upper
43 100
61 9.0 24.7 37.1#
87 6.0 14.6 21.8#





#48

Methyl methacrylate

Concen: 1.634 ug/l

RT: 9.677 min Scan# 11

Delta R.T. -0.011 min

Lab File: VN077822.D

Acq: 23 May 2023 17:30

Instrument :

MSVOA_N

ClientSampleId :

PB152982ZHE#04

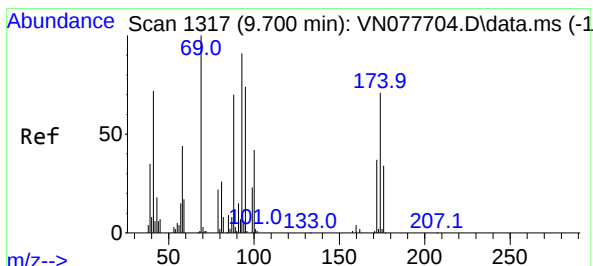
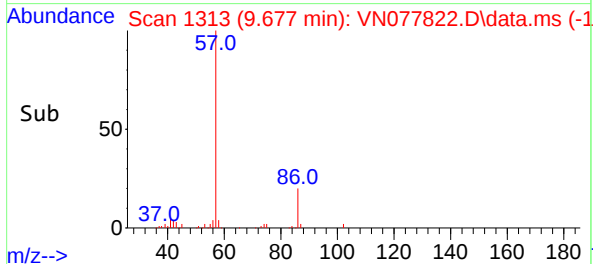
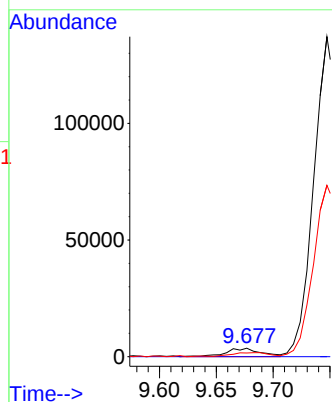
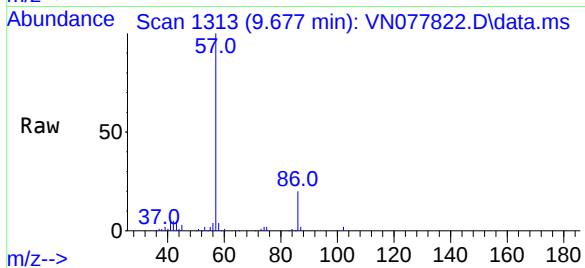
Tgt Ion: 41 Resp: 7689

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 0.0 54.6 81.8#



#49

1,4-Dioxane

Concen: 4.658 ug/l

RT: 9.753 min Scan# 1326

Delta R.T. 0.059 min

Lab File: VN077822.D

Acq: 23 May 2023 17:30

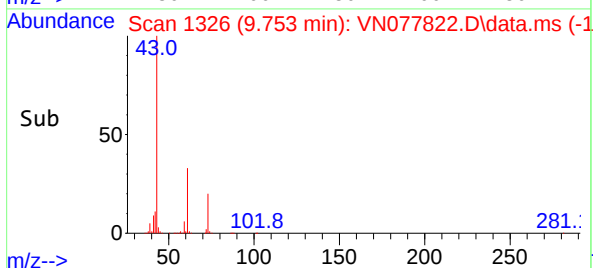
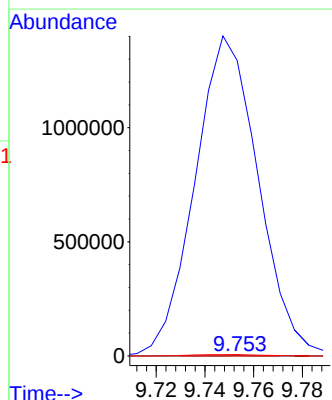
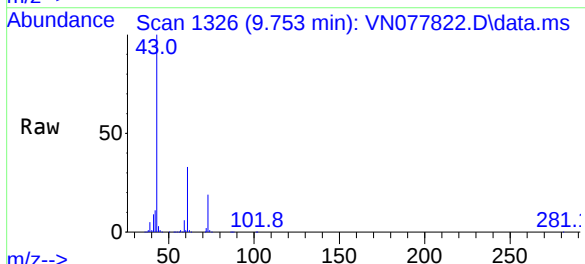
Tgt Ion: 88 Resp: 414

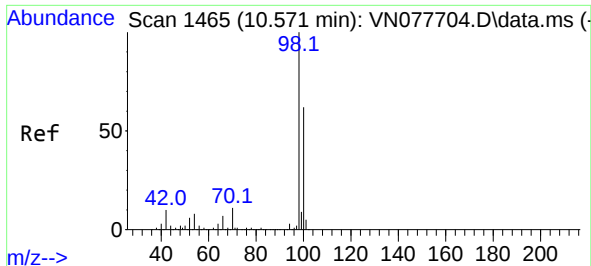
Ion Ratio Lower Upper

88 100

43 617894.2 17.0 25.6#

58 3010.4 47.0 70.4#

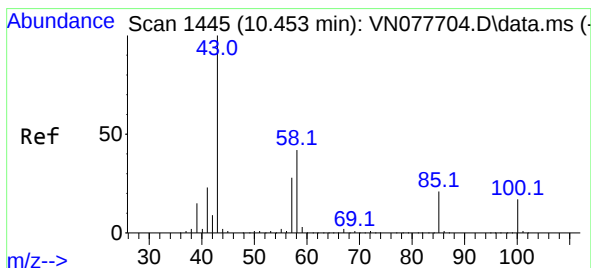
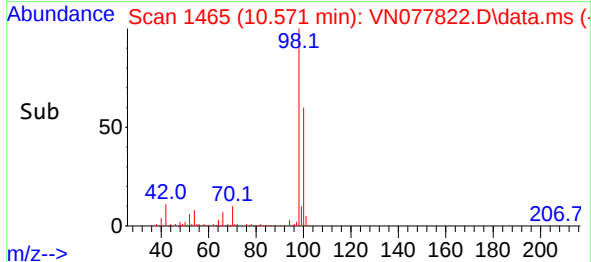
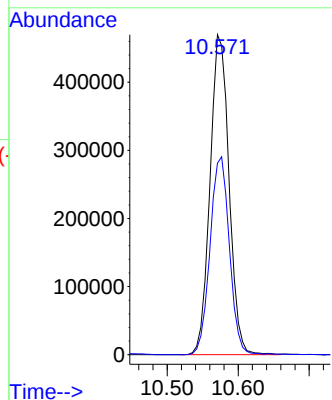
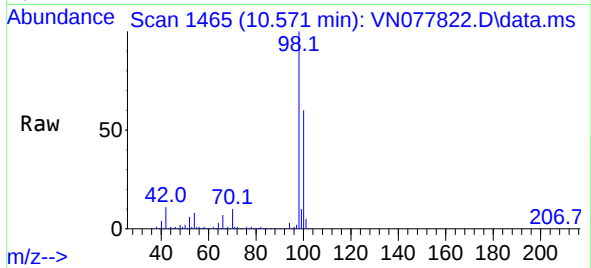




#50
Toluene-d8
Concen: 48.640 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

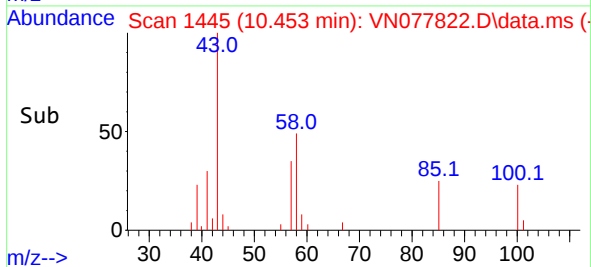
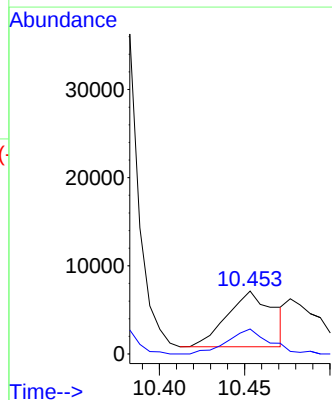
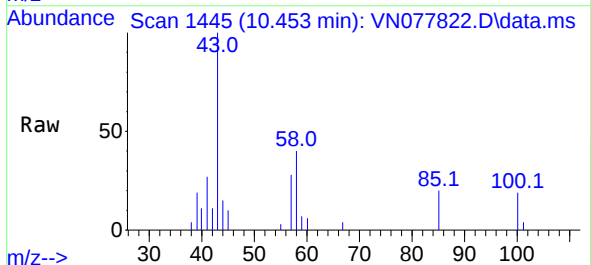
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#04

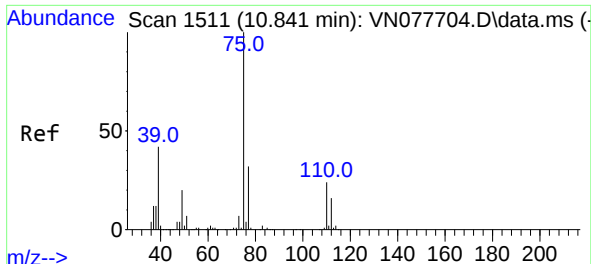
Tgt Ion: 98 Resp: 872549
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.026 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

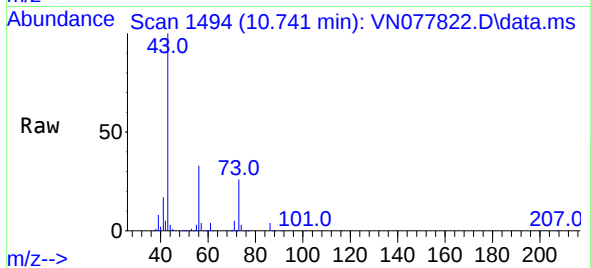
Tgt Ion: 43 Resp: 11950
Ion Ratio Lower Upper
43 100
58 40.7 36.6 54.8



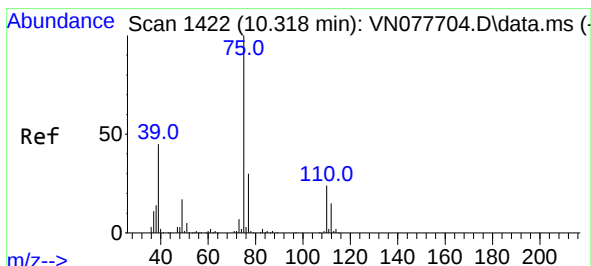
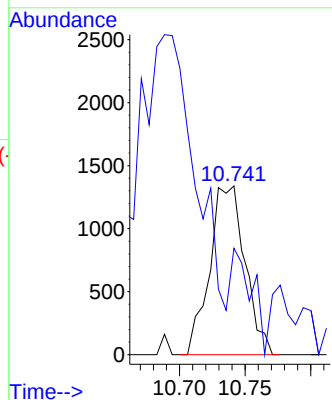
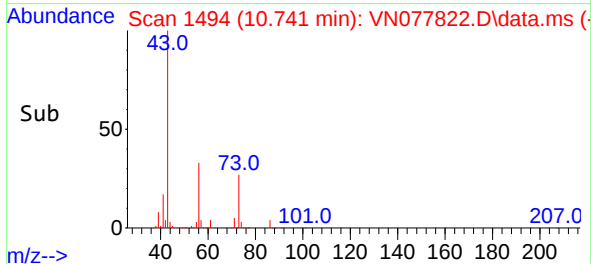


#53
t-1,3-Dichloropropene
Concen: 0.338 ug/l
RT: 10.741 min Scan# 1430
Delta R.T. -0.100 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#04

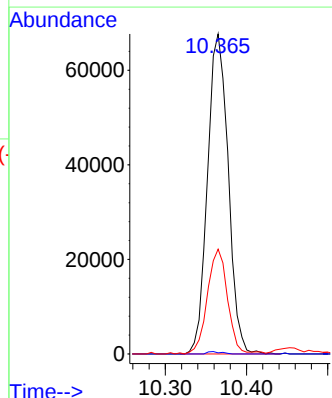
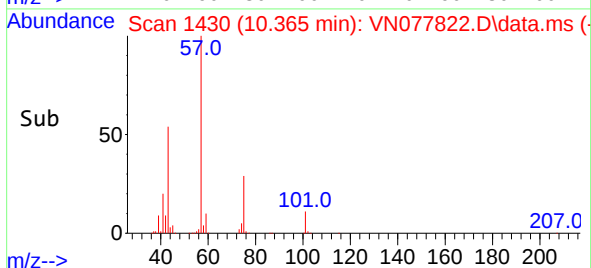
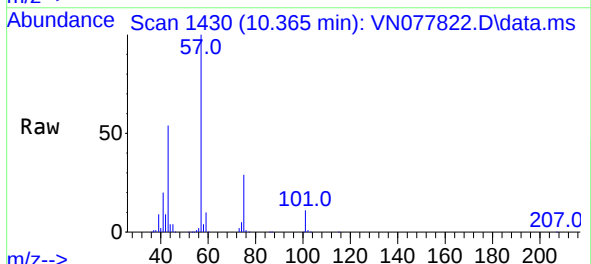


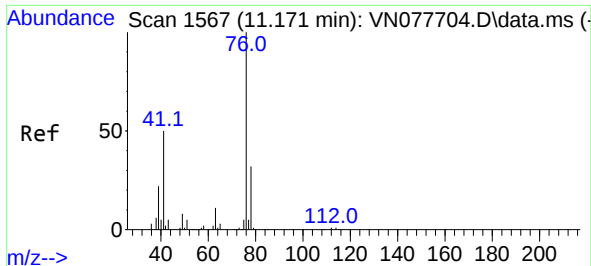
Tgt Ion: 75 Resp: 2514
Ion Ratio Lower Upper
75 100
77 21.9 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 14.634 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

Tgt Ion: 75 Resp: 120047
Ion Ratio Lower Upper
75 100
77 0.4 26.1 39.1#
39 32.4 31.6 47.4





#57

1,3-Dichloropropane

Concen: 1.763 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN077822.D

Acq: 23 May 2023 17:30

Instrument :

MSVOA_N

ClientSampleId :

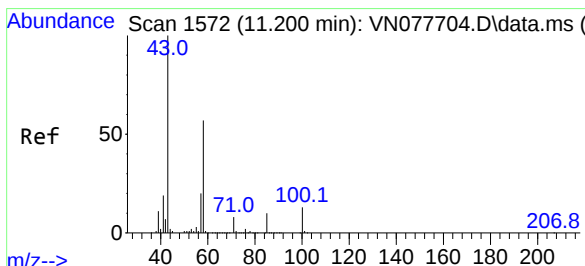
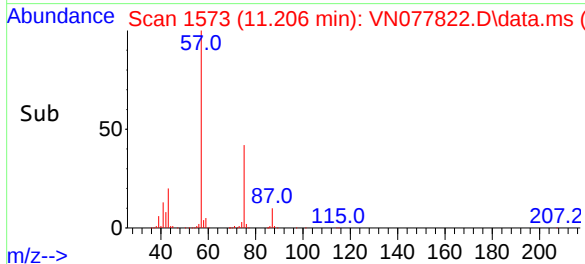
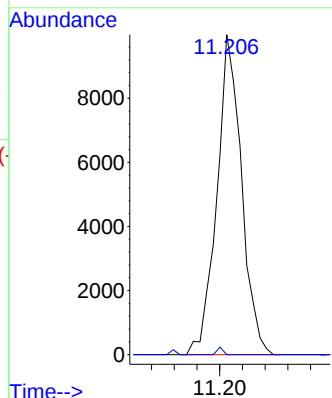
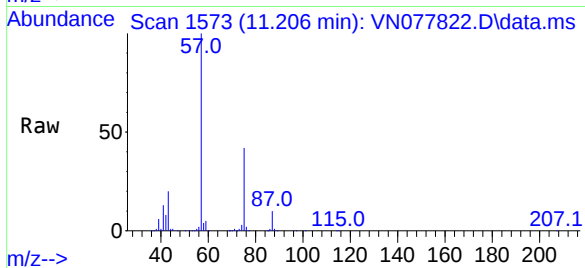
PB152982ZHE#04

Tgt Ion: 76 Resp: 15031

Ion Ratio Lower Upper

76 100

78 0.6 26.1 39.1#



#59

2-Hexanone

Concen: 58.020 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN077822.D

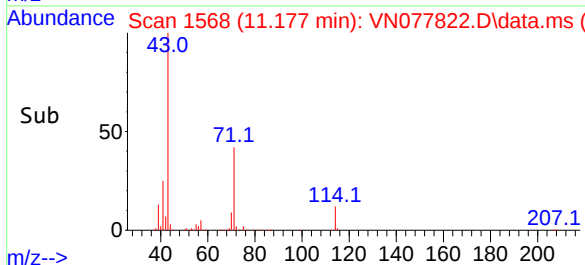
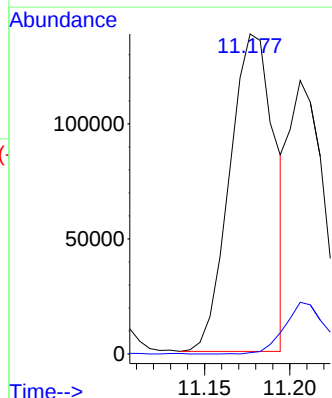
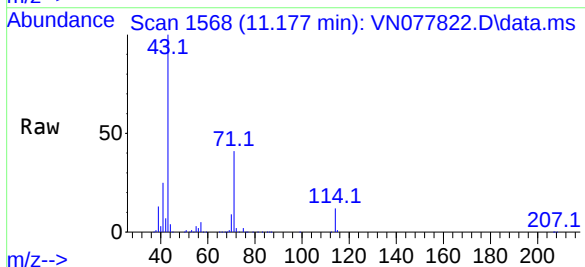
Acq: 23 May 2023 17:30

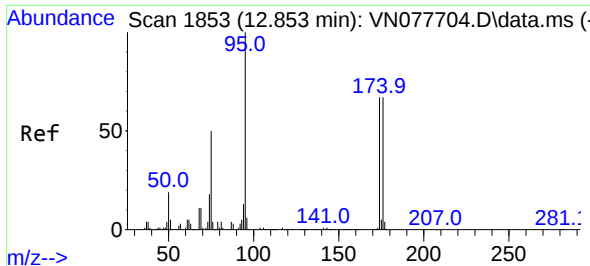
Tgt Ion: 43 Resp: 253160

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

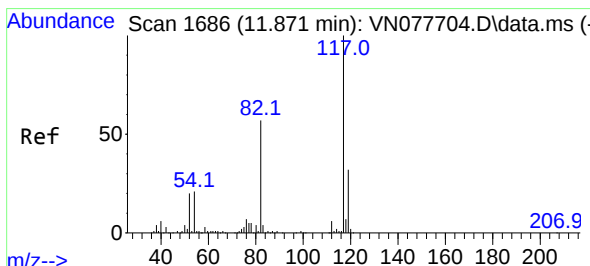
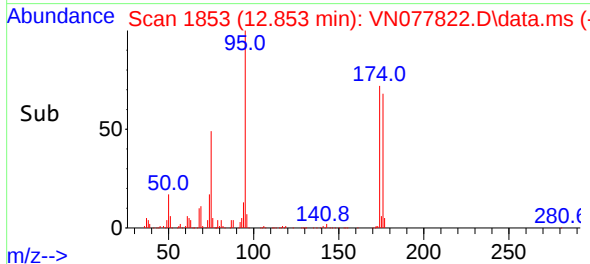
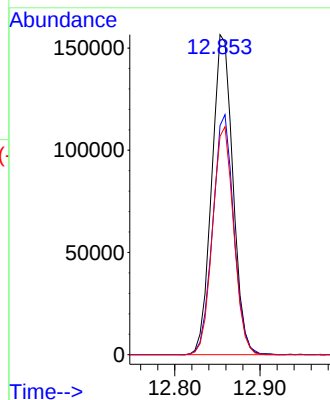
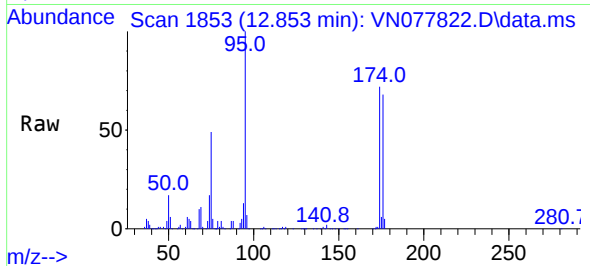




#62
4-Bromofluorobenzene
Concen: 42.523 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

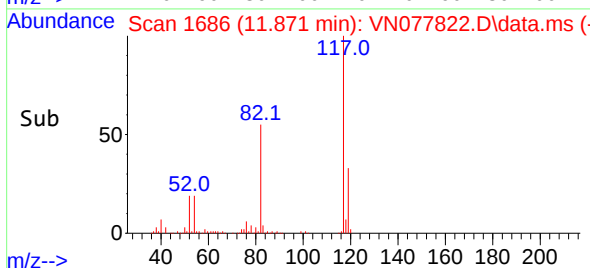
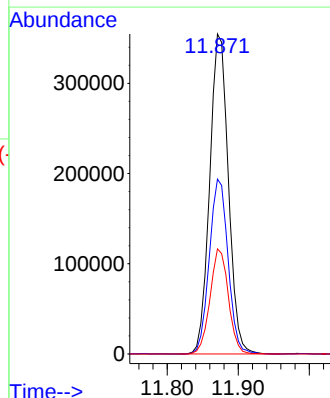
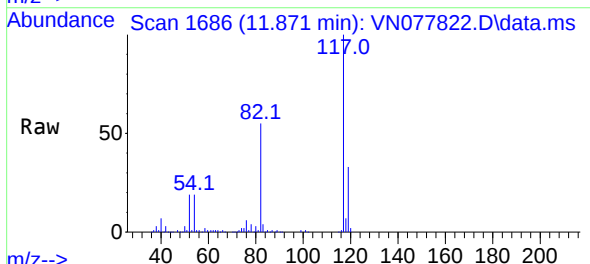
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#04

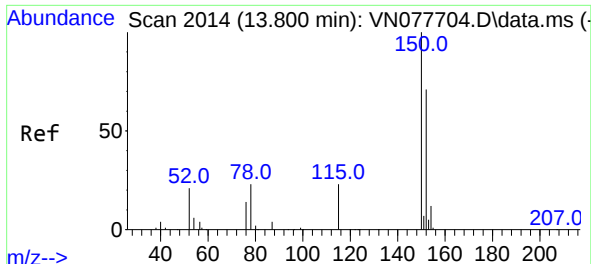
Tgt Ion: 95 Resp: 269407
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.8
176 71.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

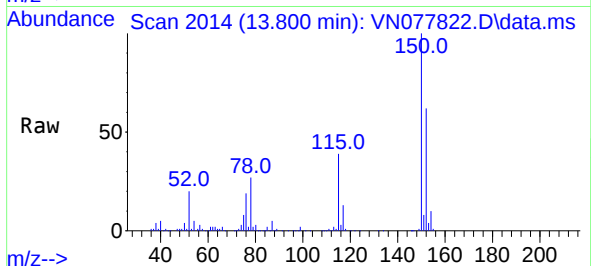
Tgt Ion: 117 Resp: 647159
Ion Ratio Lower Upper
117 100
82 54.6 44.0 66.0
119 32.9 25.6 38.4



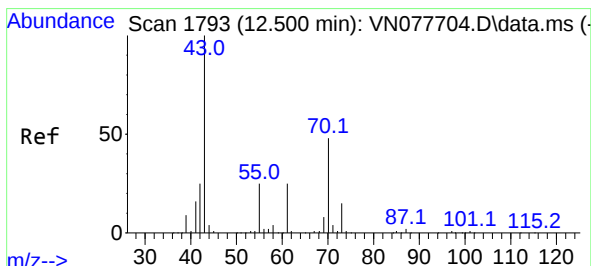
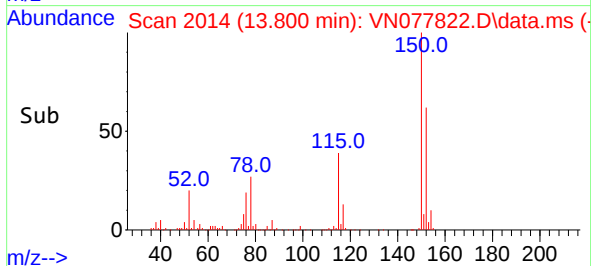
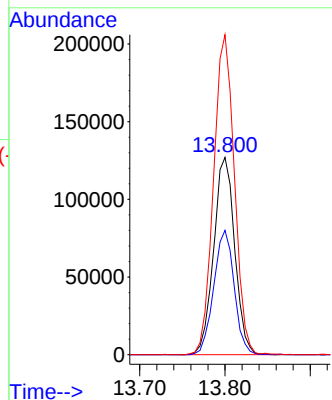


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#04

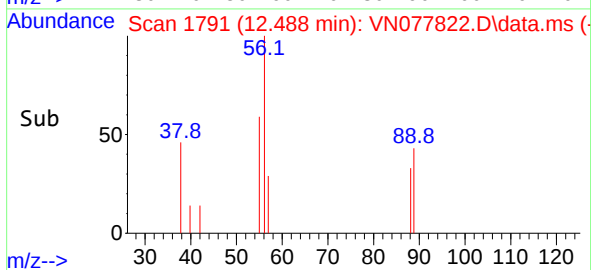
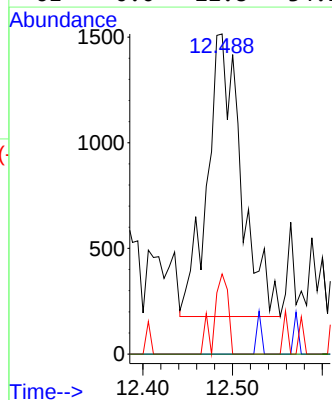
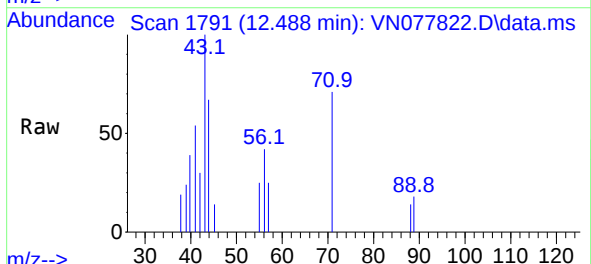


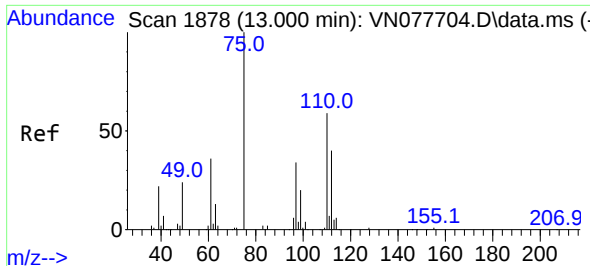
Tgt Ion:152 Resp: 218014
Ion Ratio Lower Upper
152 100
115 61.1 32.3 96.8
150 160.4 0.0 355.8



#74
N-ethyl acetate
Concen: 0.506 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

Tgt Ion: 43 Resp: 3516
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 11.7 21.4 32.0#
61 0.0 22.8 34.2#

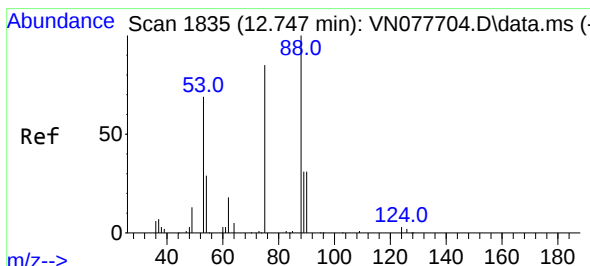
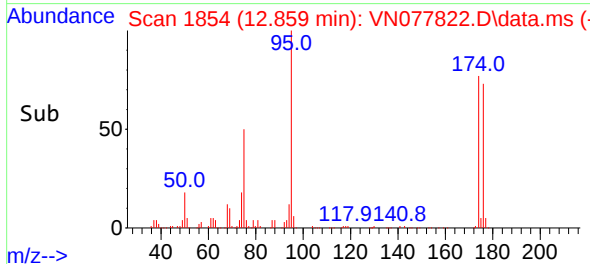
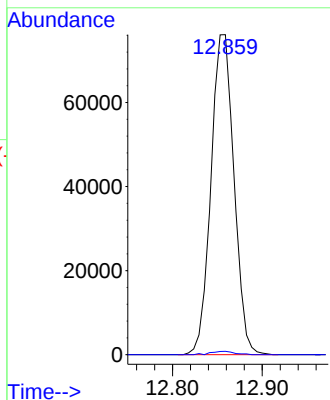
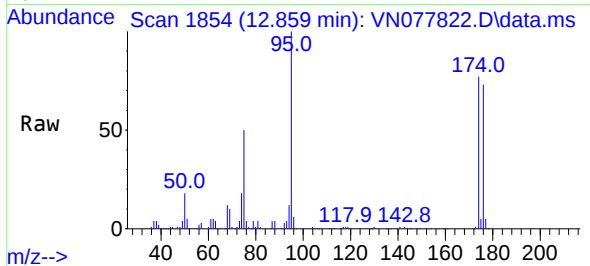




#76
1,2,3-Trichloropropane
Concen: 24.859 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#04

Tgt Ion: 75 Resp: 135725
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.461 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077822.D
Acq: 23 May 2023 17:30

Tgt Ion: 75 Resp: 135725
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

