

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111824\
 Data File : VN084930.D
 Acq On : 18 Nov 2024 19:16
 Operator : JC\MD
 Sample : P4870-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:34:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

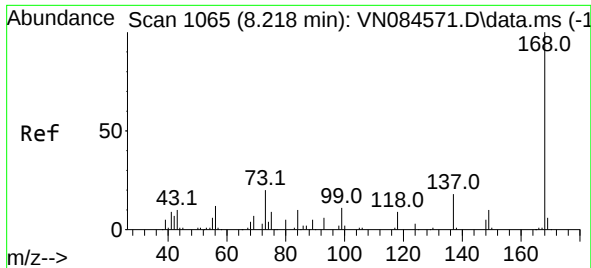
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	198291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	363891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	327811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	151104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	145704	50.874	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.740%			
35) Dibromofluoromethane	8.159	113	113231	45.971	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.940%			
50) Toluene-d8	10.565	98	429627	47.351	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.700%			
62) 4-Bromofluorobenzene	12.847	95	174769	51.539	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.080%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	814	Below Cal	#	41
6) Chloroethane	3.101	64	137	Below Cal	#	45
11) Tert butyl alcohol	5.506	59	1616	4.275	ug/l #	73
16) Acetone	4.442	43	19038	20.392	ug/l	95
18) Methyl Acetate	5.024	43	5076	Below Cal		92
20) Methylene Chloride	5.271	84	1826	0.725	ug/l #	71
25) 2-Butanone	7.494	43	2677	2.004	ug/l	92
29) Tetrahydrofuran	7.847	42	767	0.865	ug/l #	46
31) Cyclohexane	8.218	56	4784	1.210	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	17354	5.080	ug/l #	50
37) Ethyl Acetate	7.565	43	3069	0.990	ug/l #	74
38) Carbon Tetrachloride	8.224	117	22559	5.908	ug/l #	14
42) 1,2-Dichloroethane	8.694	62	912	0.257	ug/l #	75
43) Isopropyl Acetate	8.688	43	233416	40.584	ug/l #	76
45) 1,2-Dichloropropane	9.741	63	1295	0.503	ug/l #	44
48) Methyl methacrylate	9.665	41	3482	1.444	ug/l #	39
51) 4-Methyl-2-Pentanone	10.447	43	4917	1.664	ug/l	97
54) cis-1,3-Dichloropropene	10.353	75	41747	9.955	ug/l #	63
56) Ethyl methacrylate	10.988	69	1106	0.316	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5360	1.292	ug/l #	42
59) 2-Hexanone	11.200	43	60995	28.362	ug/l #	56
60) Dibromochloromethane	11.094	129	2560	0.929	ug/l #	11
64) Tetrachloroethene	11.100	164	2779	1.274	ug/l #	75
74) N-amyl acetate	12.488	43	1146	0.254	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	89703	29.698	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	89703	70.456	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	452	Below Cal	#	1
95) Naphthalene	15.635	128	2299	0.263	ug/l #	84

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

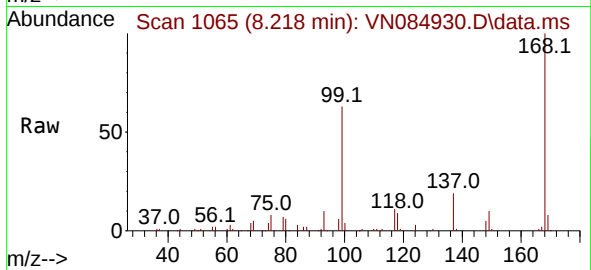
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



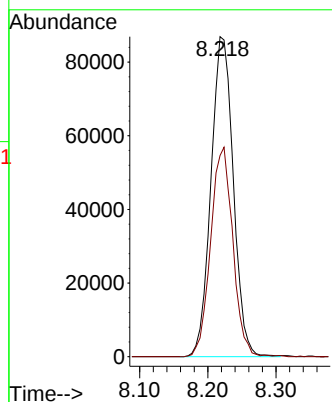
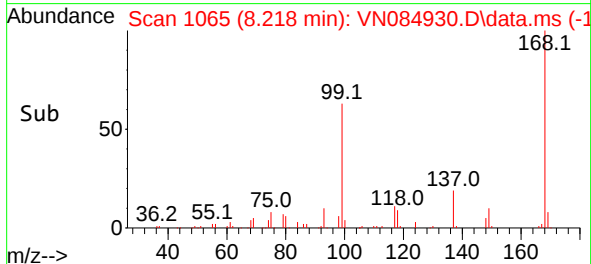


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

Instrument :
MSVOA_N
ClientSampleId :

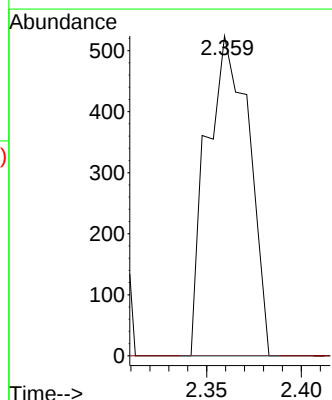
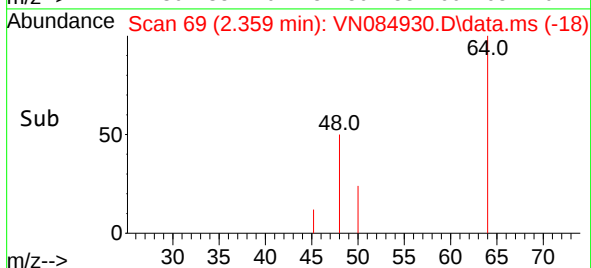
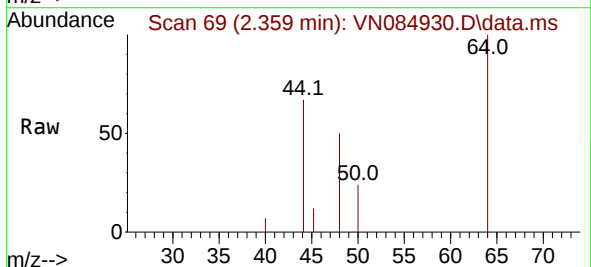


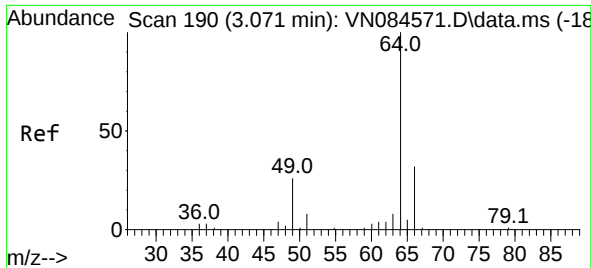
Tgt Ion:168 Resp: 198291
Ion Ratio Lower Upper
168 100
99 62.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

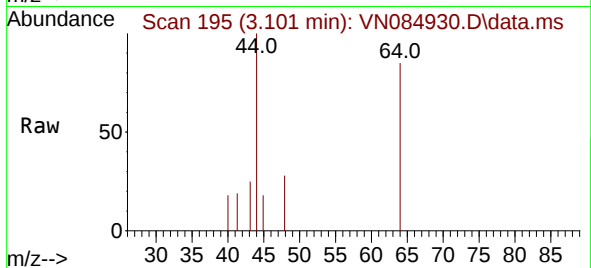
Tgt Ion: 50 Resp: 814
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



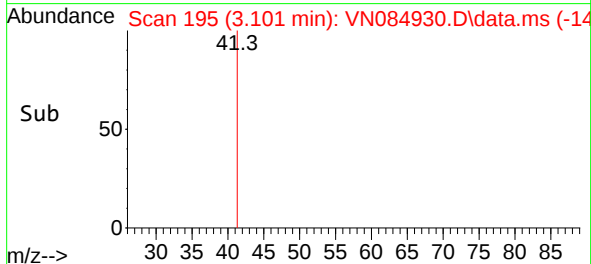
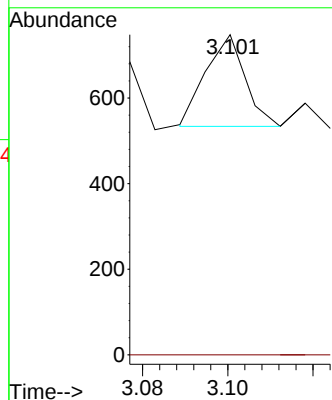


#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 190
Delta R.T. -0.017 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

Instrument :
MSVOA_N
ClientSampleId :

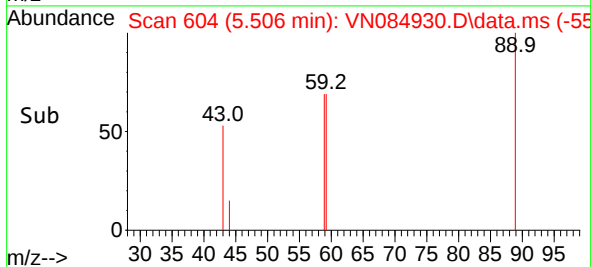
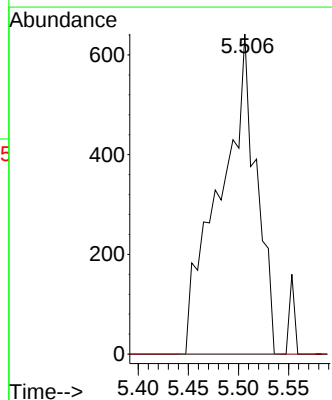
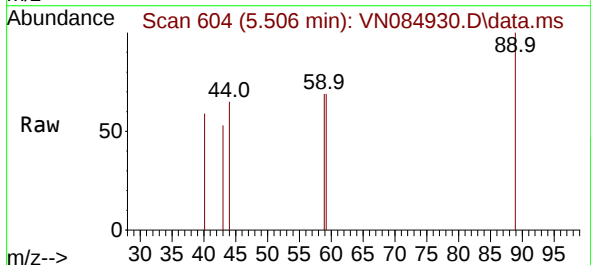


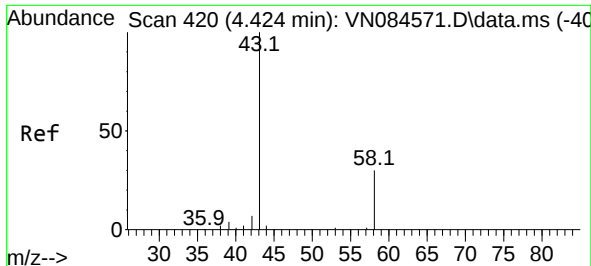
Tgt Ion: 64 Resp: 137
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 4.275 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

Tgt Ion: 59 Resp: 1616
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

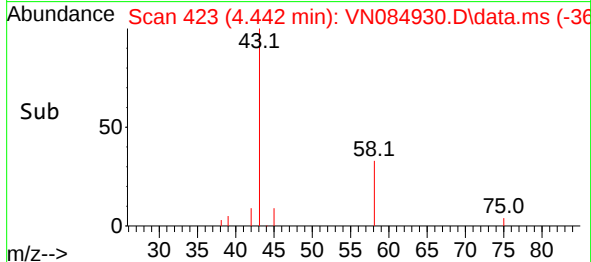
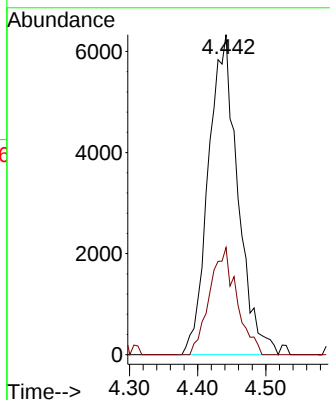
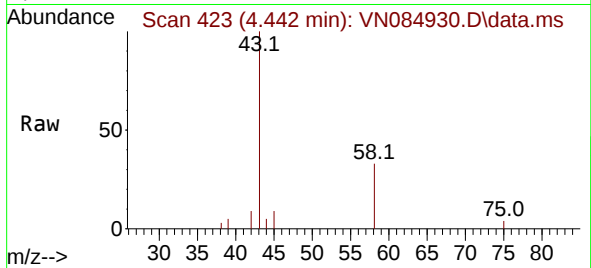




#16
Acetone
Concen: 20.392 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

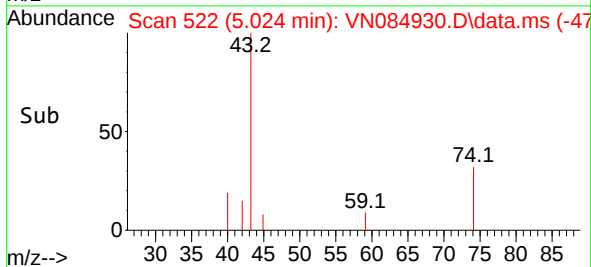
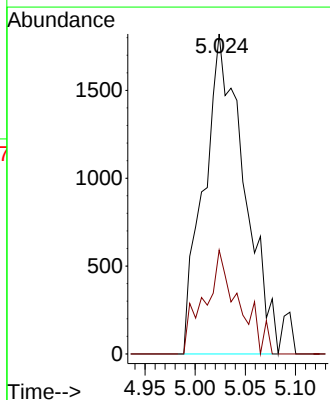
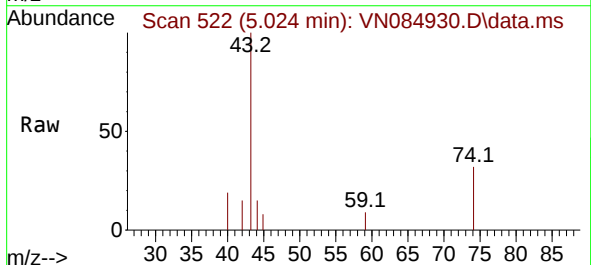
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 19038
Ion Ratio Lower Upper
43 100
58 33.5 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

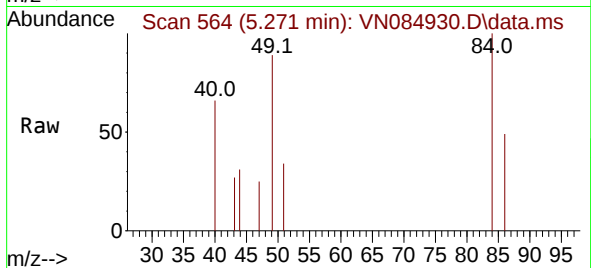
Tgt Ion: 43 Resp: 5076
Ion Ratio Lower Upper
43 100
74 27.7 19.2 28.8





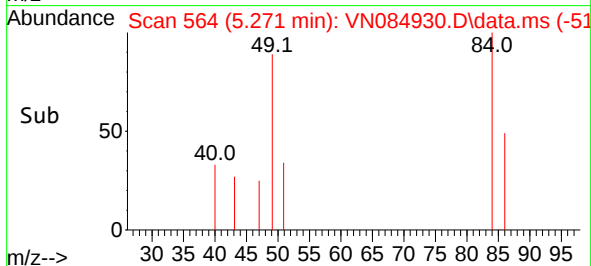
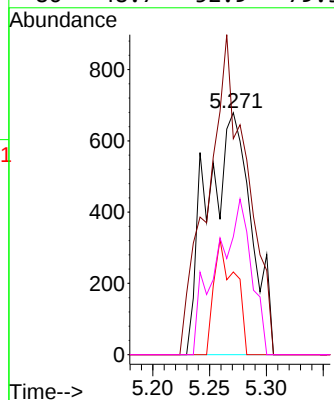
#20
Methylene Chloride
Concen: 0.725 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1826

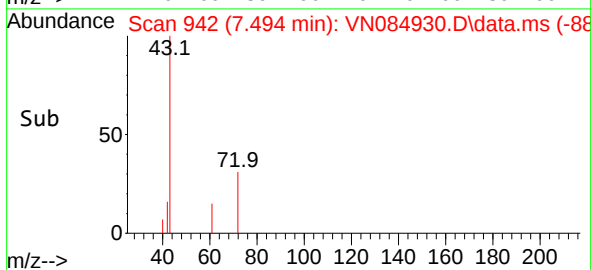
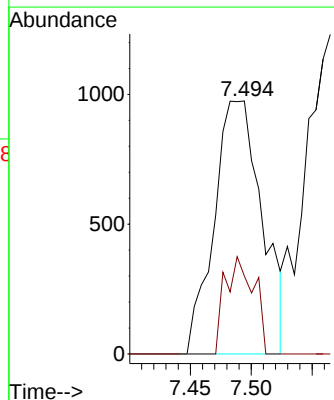
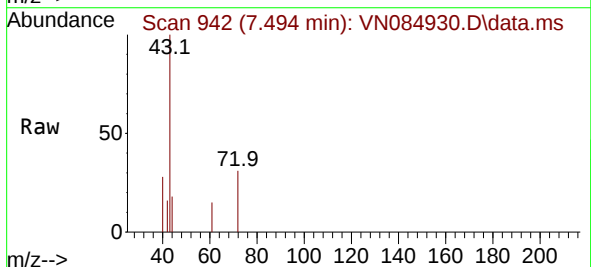
Ion	Ratio	Lower	Upper
84	100		
49	89.2	107.2	160.8#
51	34.2	31.8	47.8
86	48.7	52.9	79.3#

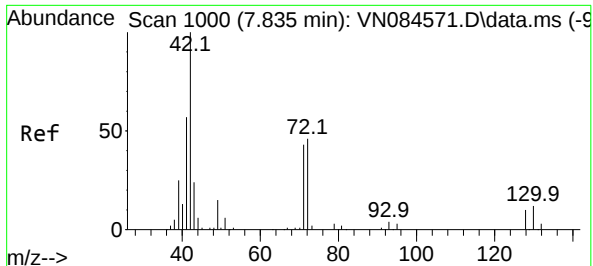


#25
2-Butanone
Concen: 2.004 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

Tgt Ion: 43 Resp: 2677

Ion	Ratio	Lower	Upper
43	100		
72	30.8	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.865 ug/l

RT: 7.847 min Scan# 1065

Delta R.T. 0.012 min

Lab File: VN084930.D

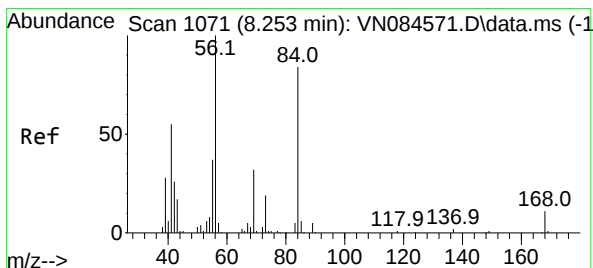
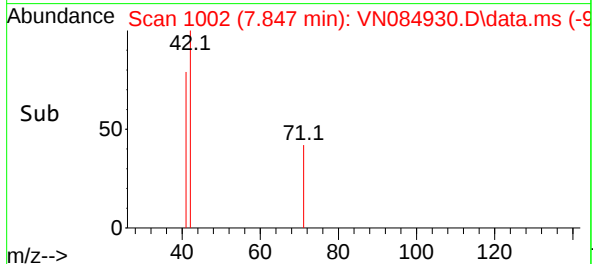
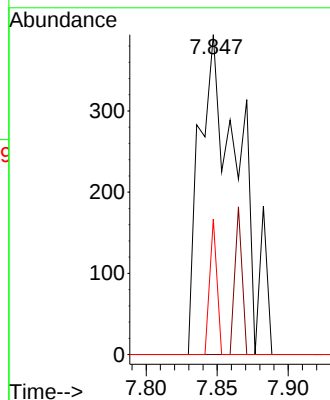
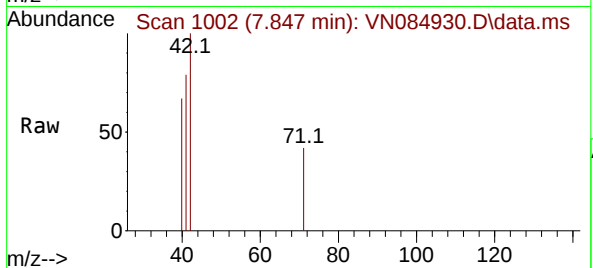
Acq: 18 Nov 2024 19:16

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	767
Ion	Ratio	Lower	Upper
42	100		
72	8.3	34.6	51.8#
71	7.7	32.2	48.4#



#31

Cyclohexane

Concen: 1.210 ug/l

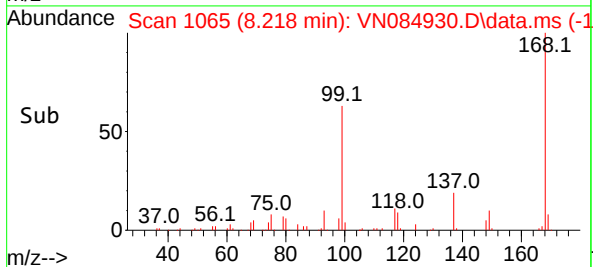
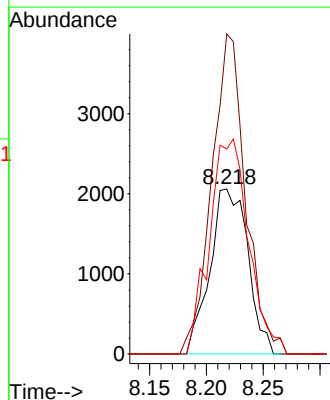
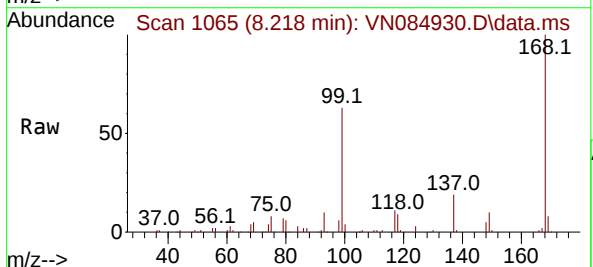
RT: 8.218 min Scan# 1065

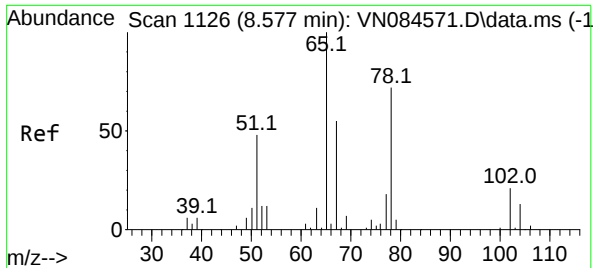
Delta R.T. -0.035 min

Lab File: VN084930.D

Acq: 18 Nov 2024 19:16

Tgt Ion:	56	Resp:	4784
Ion	Ratio	Lower	Upper
56	100		
69	194.0	23.8	35.6#
84	124.3	68.8	103.2#

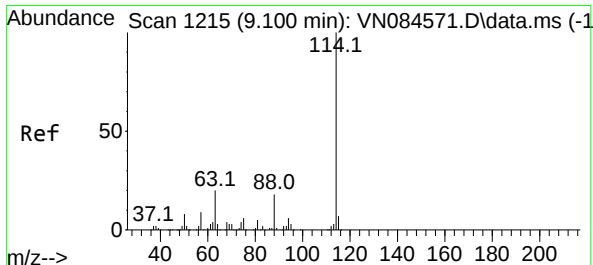
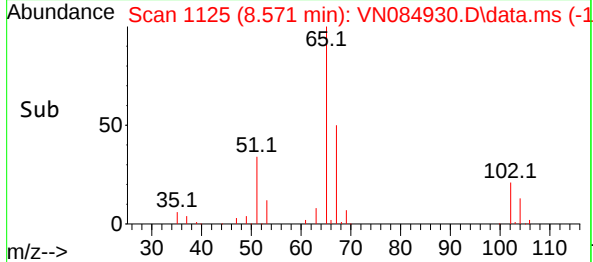
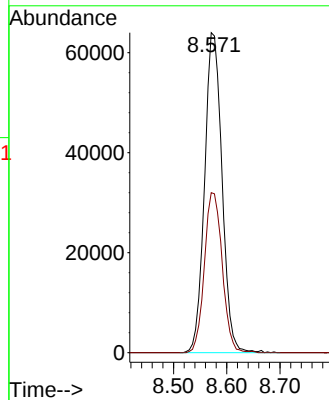
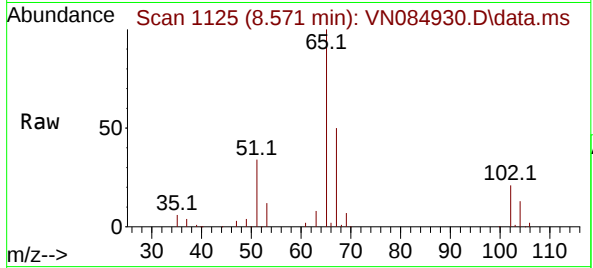




#33
 1,2-Dichloroethane-d4
 Concen: 50.874 ug/l
 RT: 8.571 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VN084930.D
 Acq: 18 Nov 2024 19:16

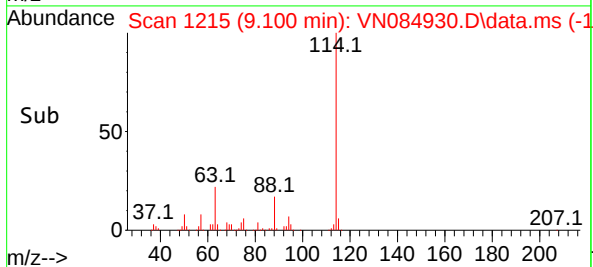
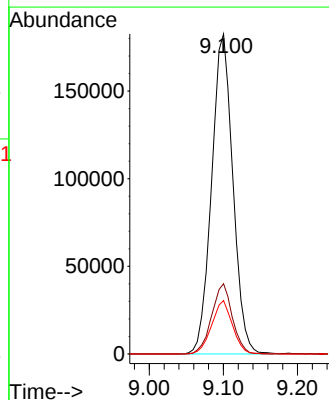
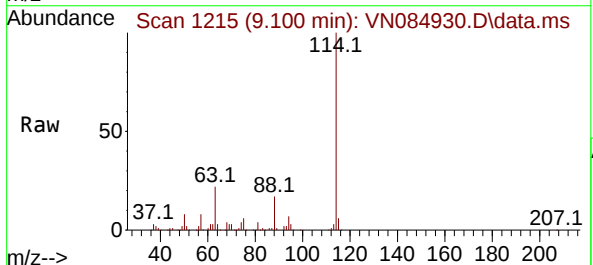
Instrument :
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 ClientSampleId :

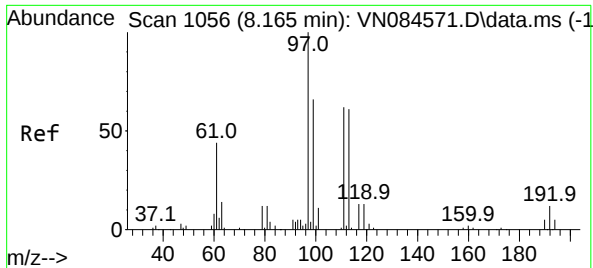
Tgt Ion: 65 Resp: 145704
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084930.D
 Acq: 18 Nov 2024 19:16

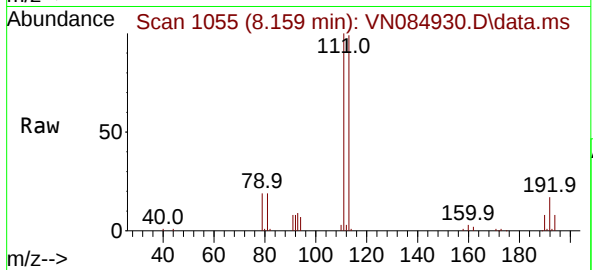
Tgt Ion: 114 Resp: 363891
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.8
 88 16.7 0.0 31.6



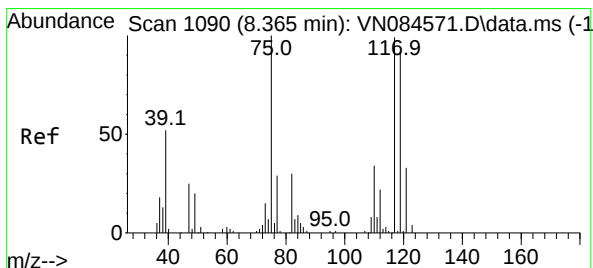
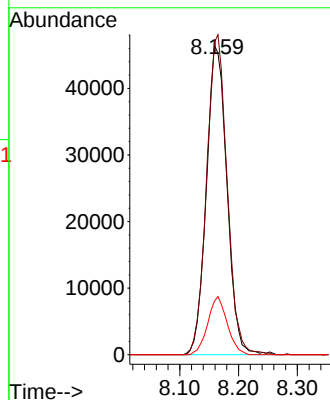
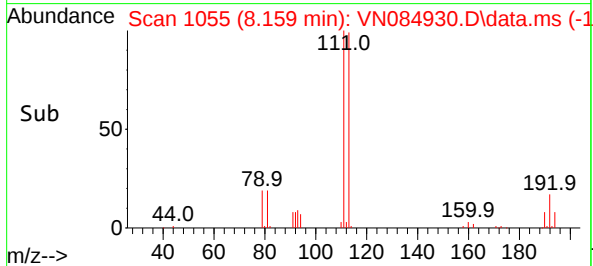


#35
Dibromofluoromethane
Concen: 45.971 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

Instrument :
MSVOA_N
ClientSampleId :

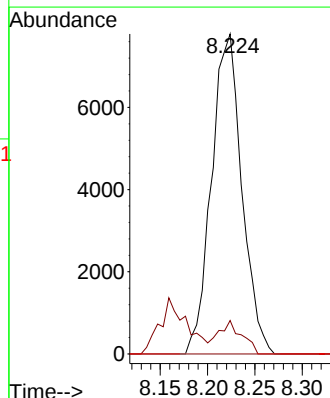
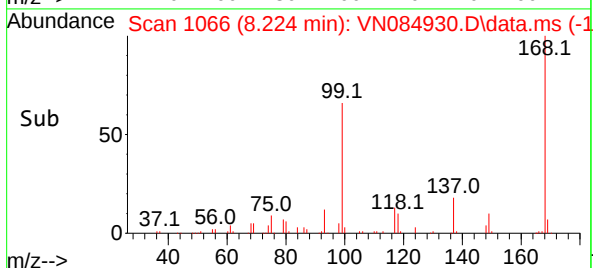
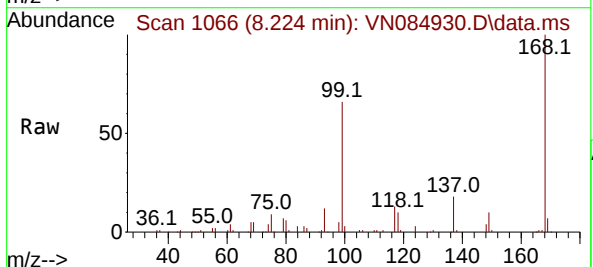


Tgt Ion:113 Resp: 113231
Ion Ratio Lower Upper
113 100
111 102.9 83.3 124.9
192 17.8 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.080 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

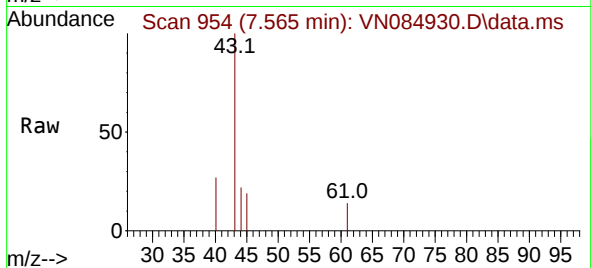
Tgt Ion: 75 Resp: 17354
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.7#
77 0.0 24.7 37.1#



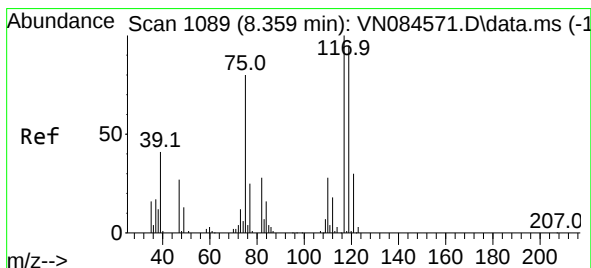
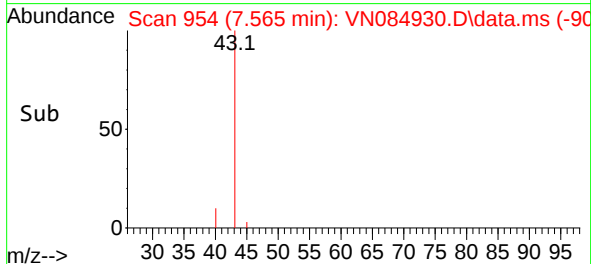
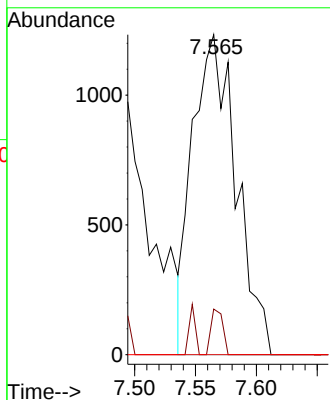


#37
Ethyl Acetate
Concen: 0.990 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

Instrument :
MSVOA_N
ClientSampleId :

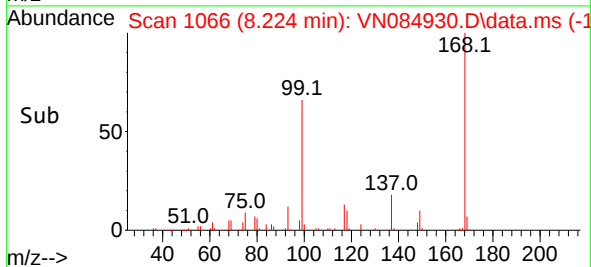
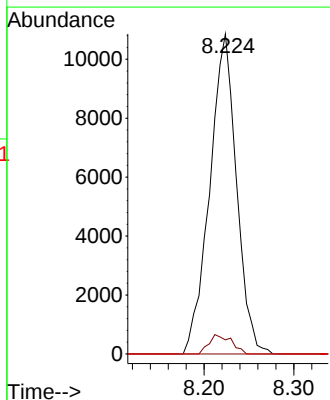
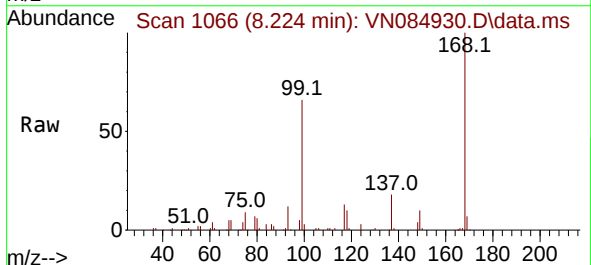


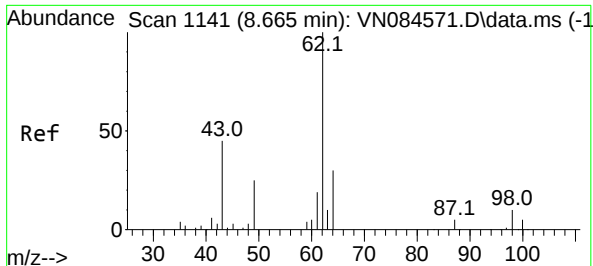
Tgt Ion: 43 Resp: 3069
Ion Ratio Lower Upper
43 100
61 3.8 10.7 16.1#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.908 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

Tgt Ion: 117 Resp: 22559
Ion Ratio Lower Upper
117 100
119 4.4 78.7 118.1#
121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.257 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.023 min

Lab File: VN084930.D

Acq: 18 Nov 2024 19:16

Instrument :

MSVOA_N

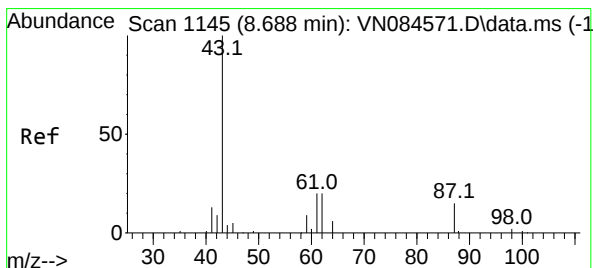
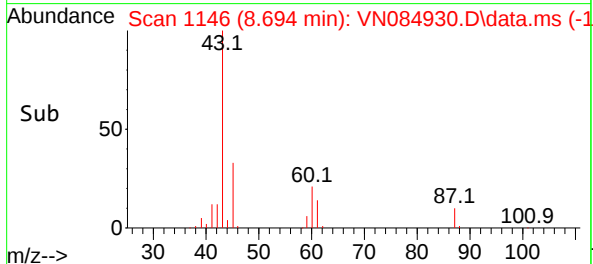
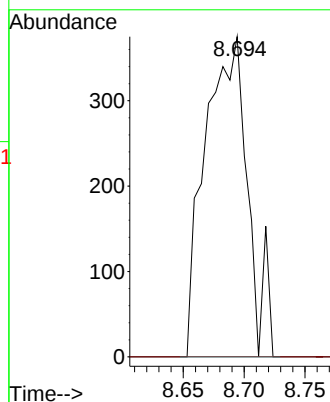
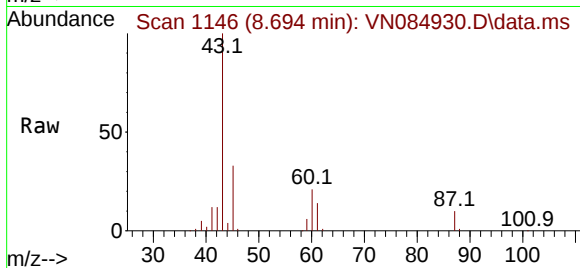
ClientSampleId :

Tgt Ion: 62 Resp: 912

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 40.584 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084930.D

Acq: 18 Nov 2024 19:16

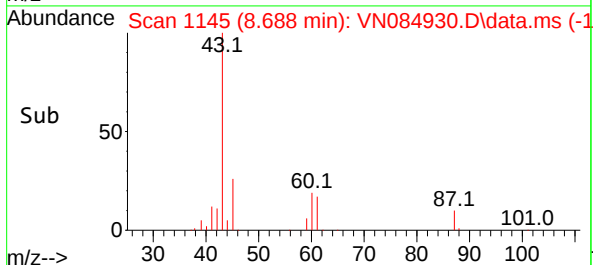
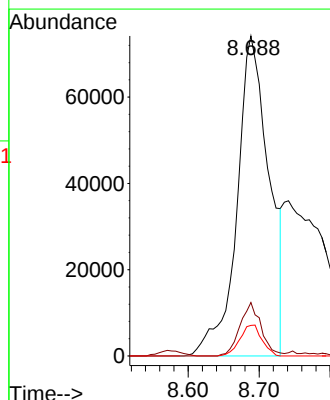
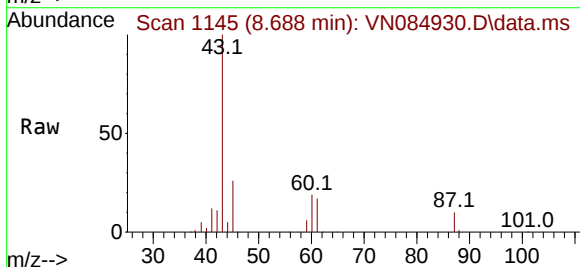
Tgt Ion: 43 Resp: 233416

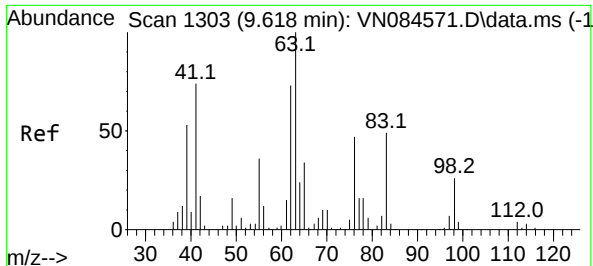
Ion Ratio Lower Upper

43 100

61 11.1 20.4 30.6#

87 6.6 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.503 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN084930.D

Acq: 18 Nov 2024 19:16

Instrument :

MSVOA_N

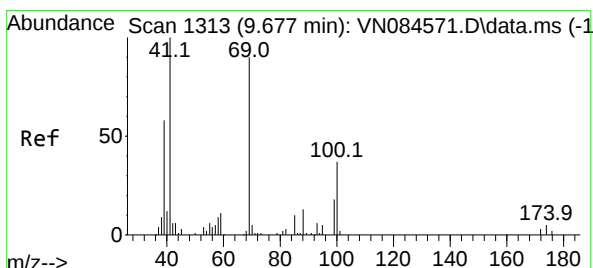
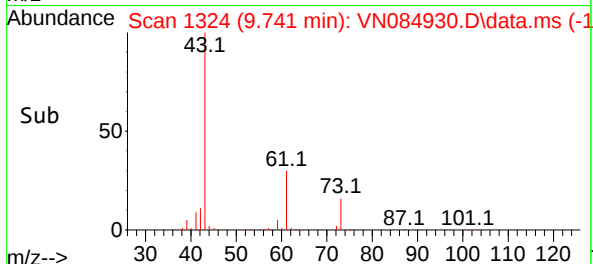
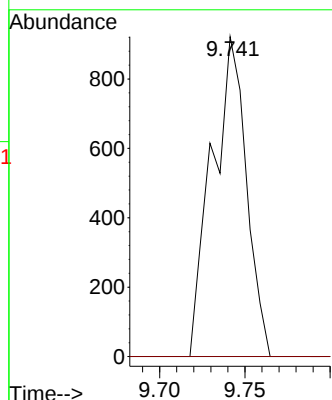
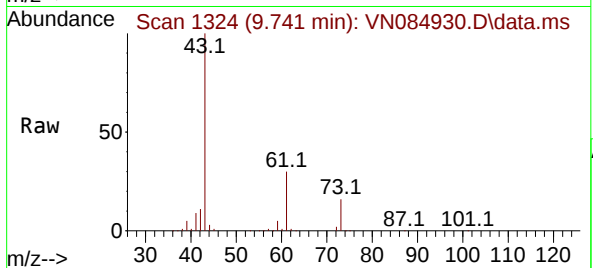
ClientSampleId :

Tgt Ion: 63 Resp: 1295

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.444 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084930.D

Acq: 18 Nov 2024 19:16

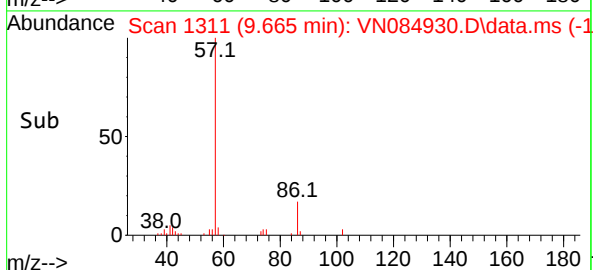
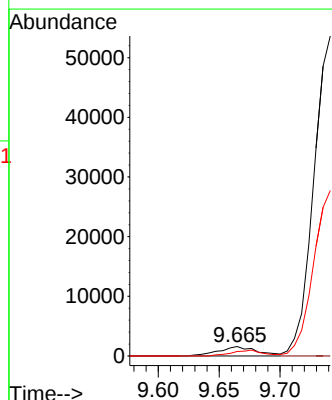
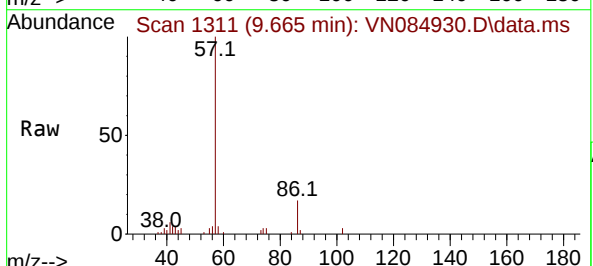
Tgt Ion: 41 Resp: 3482

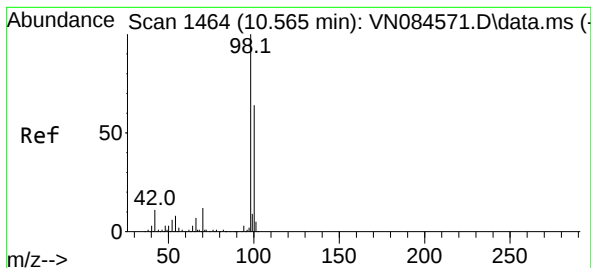
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 47.2 45.8 68.6

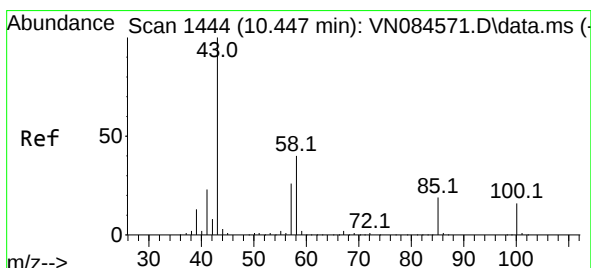
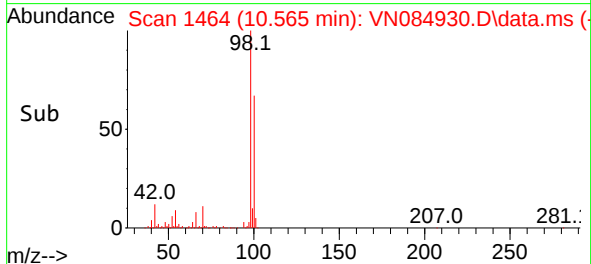
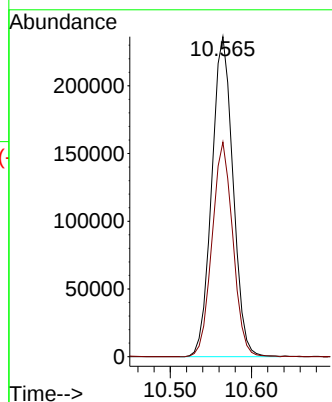
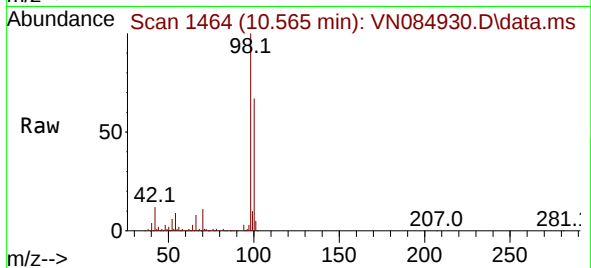




#50
Toluene-d8
Concen: 47.351 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

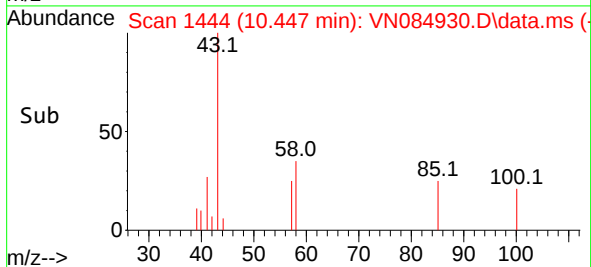
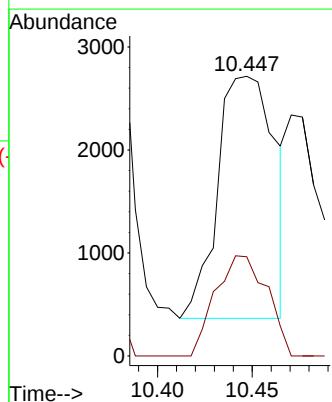
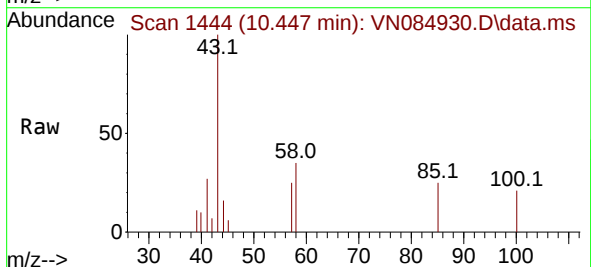
Instrument :
MSVOA_N
ClientSampleId :

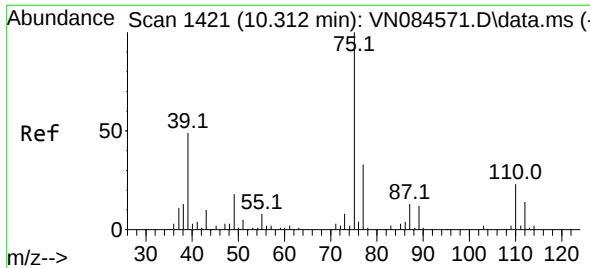
Tgt Ion: 98 Resp: 429627
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.664 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

Tgt Ion: 43 Resp: 4917
Ion Ratio Lower Upper
43 100
58 37.5 31.6 47.4

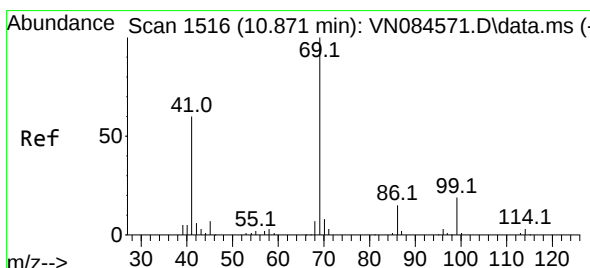
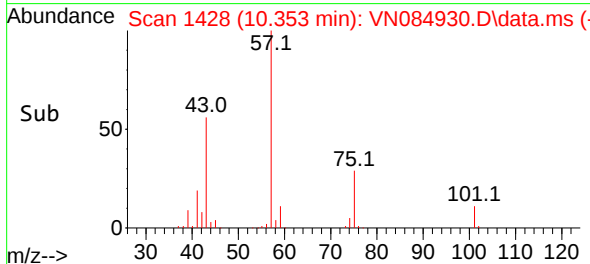
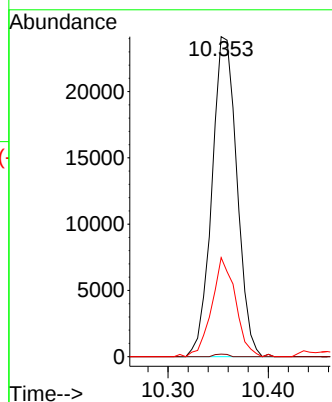
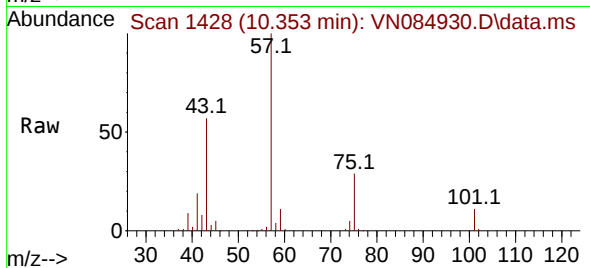




#54
 cis-1,3-Dichloropropene
 Concen: 9.955 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN084930.D
 Acq: 18 Nov 2024 19:16

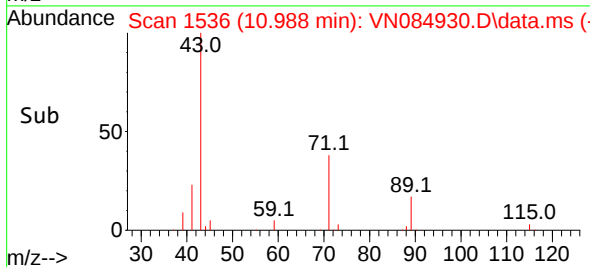
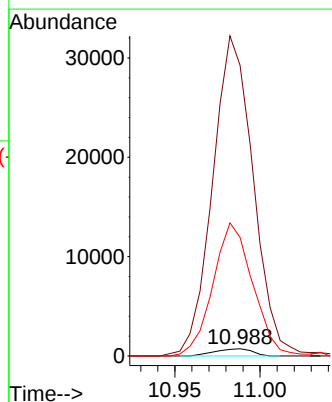
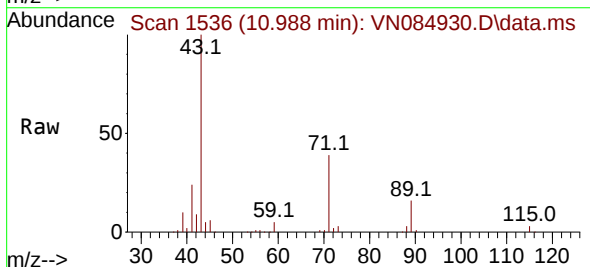
Instrument :
 MSVOA_N
 ClientSampleId :

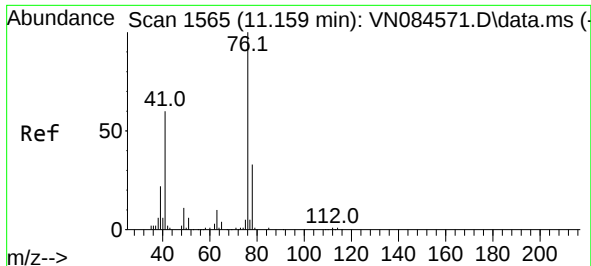
Tgt Ion: 75 Resp: 41747
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.2 36.2#
 39 31.0 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.316 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN084930.D
 Acq: 18 Nov 2024 19:16

Tgt Ion: 69 Resp: 1106
 Ion Ratio Lower Upper
 69 100
 41 4863.6 53.3 79.9#
 39 1985.6 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.292 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.047 min

Lab File: VN084930.D

Acq: 18 Nov 2024 19:16

Instrument :

MSVOA_N

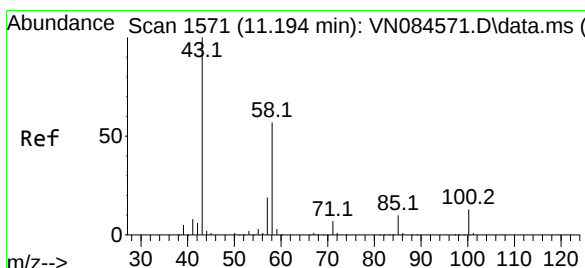
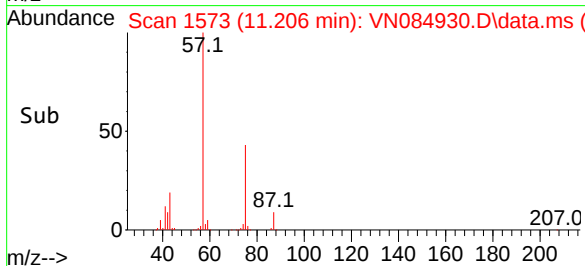
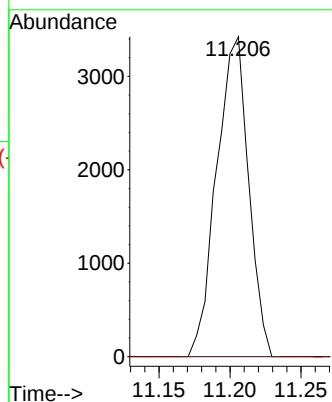
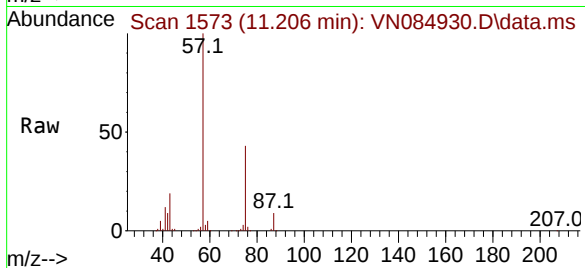
ClientSampleId :

Tgt Ion: 76 Resp: 5360

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 28.362 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084930.D

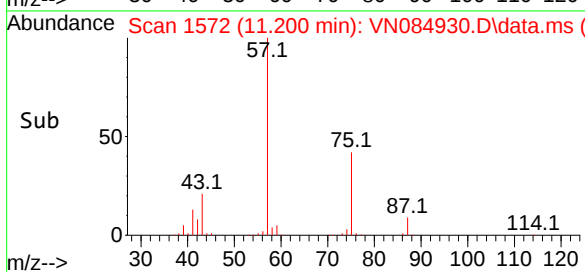
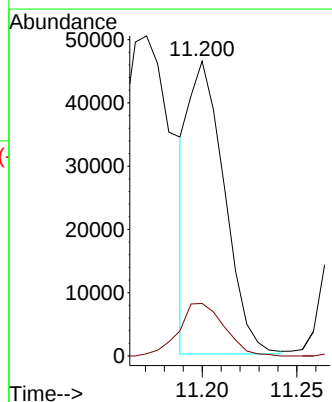
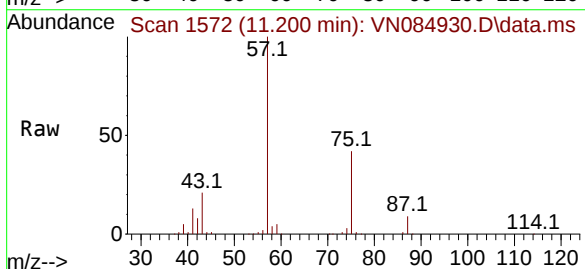
Acq: 18 Nov 2024 19:16

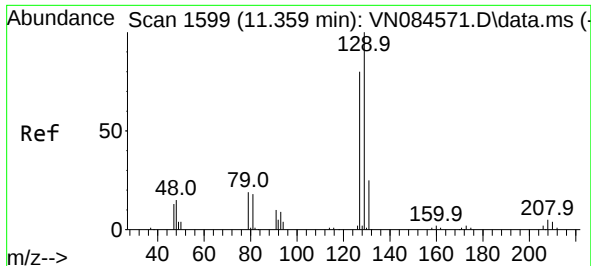
Tgt Ion: 43 Resp: 60995

Ion Ratio Lower Upper

43 100

58 22.8 27.3 81.8#

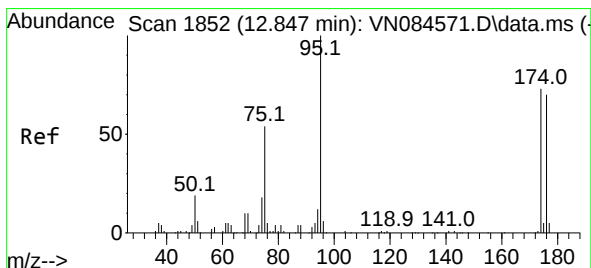
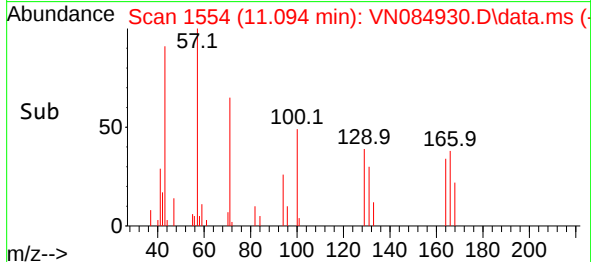
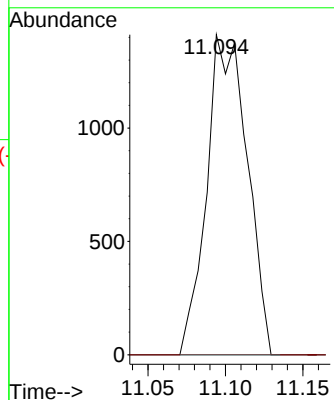
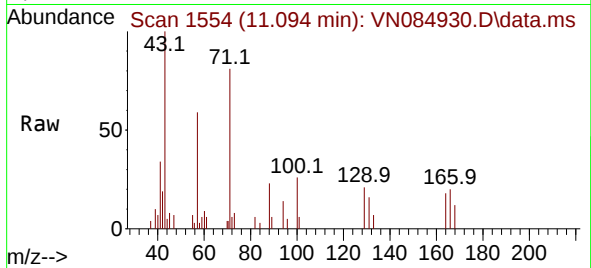




#60
Dibromochloromethane
Concen: 0.929 ug/l
RT: 11.094 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

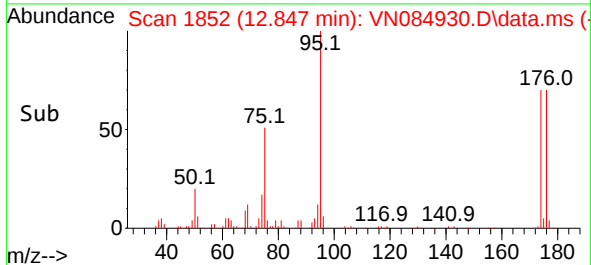
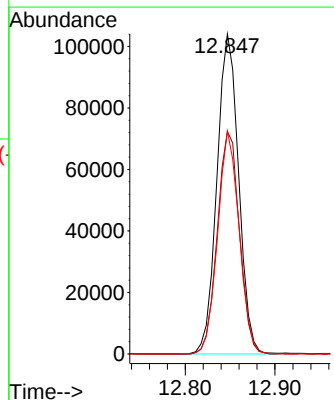
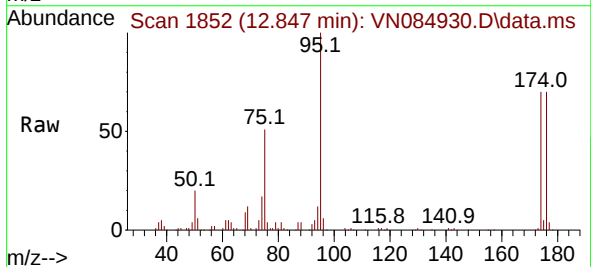
Instrument :
MSVOA_N
ClientSampleId :

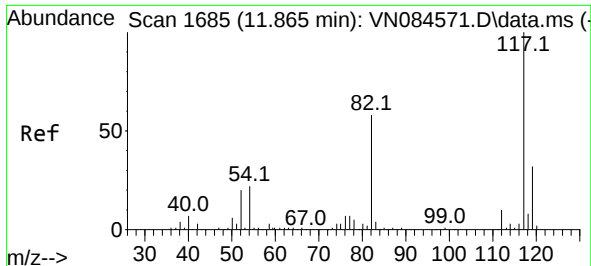
Tgt Ion:129 Resp: 2560
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#



#62
4-Bromofluorobenzene
Concen: 51.539 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

Tgt Ion: 95 Resp: 174769
Ion Ratio Lower Upper
95 100
174 70.8 0.0 145.2
176 68.7 0.0 140.0

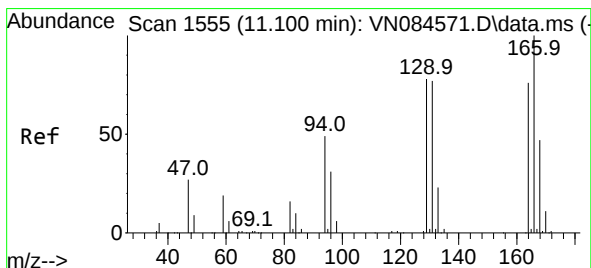
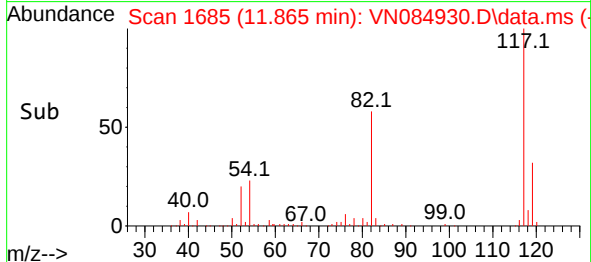
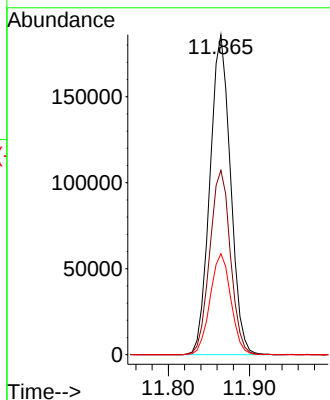
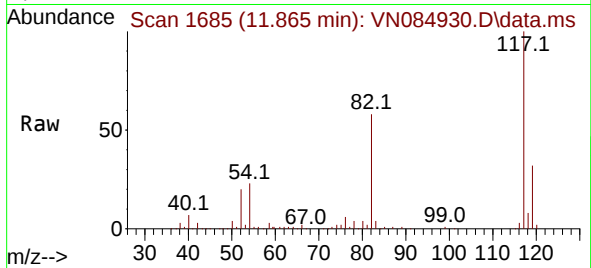




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

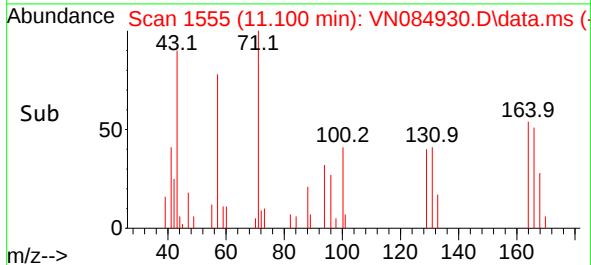
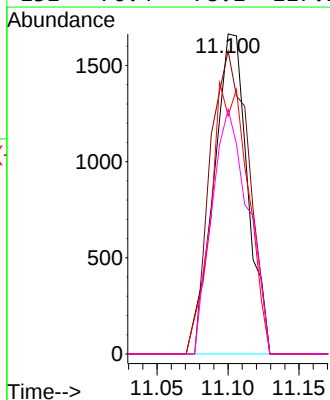
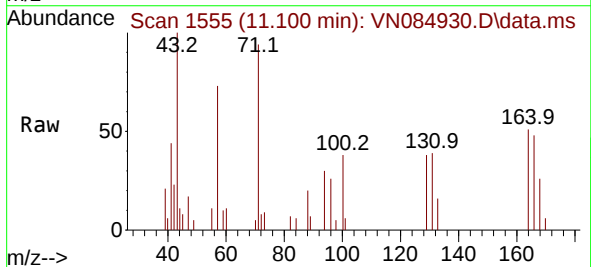
Instrument :
MSVOA_N
ClientSampleId :

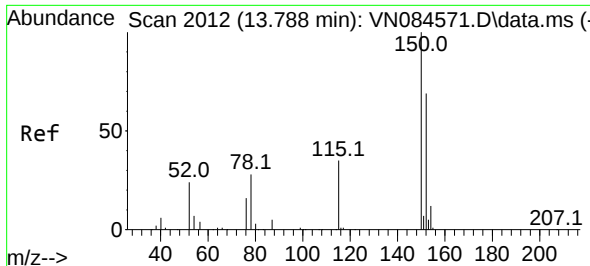
Tgt Ion:117 Resp: 327811
Ion Ratio Lower Upper
117 100
82 57.6 47.2 70.8
119 31.5 25.4 38.0



#64
Tetrachloroethene
Concen: 1.274 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

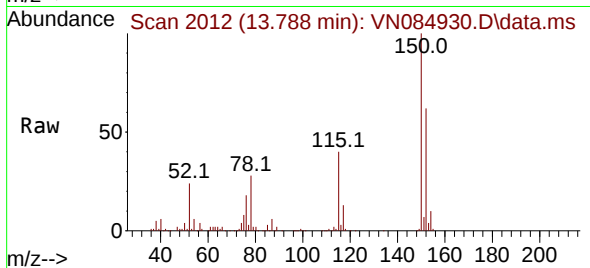
Tgt Ion:164 Resp: 2779
Ion Ratio Lower Upper
164 100
166 94.7 101.0 151.4#
129 74.5 80.8 121.2#
131 76.4 78.1 117.1#



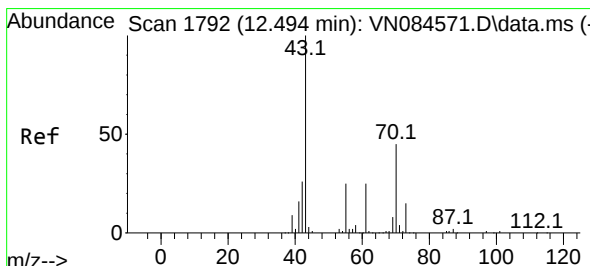
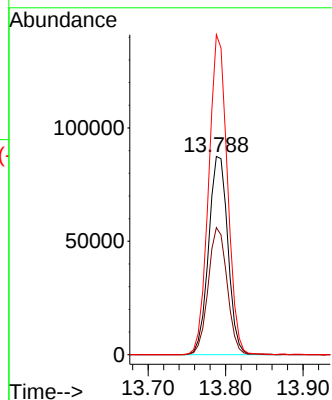
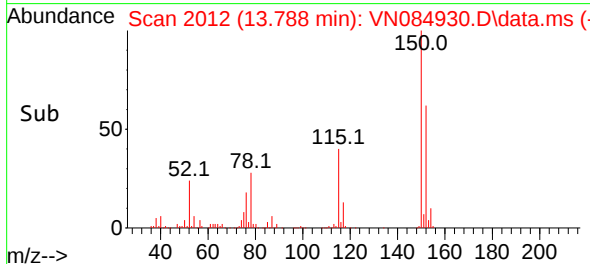


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

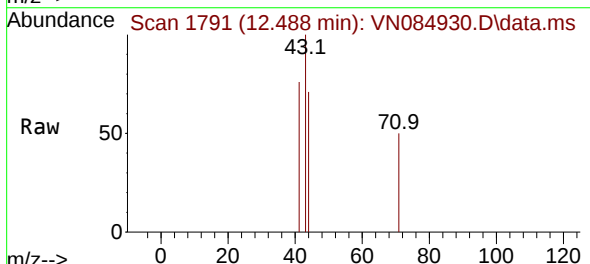
Instrument :
MSVOA_N
ClientSampleId :



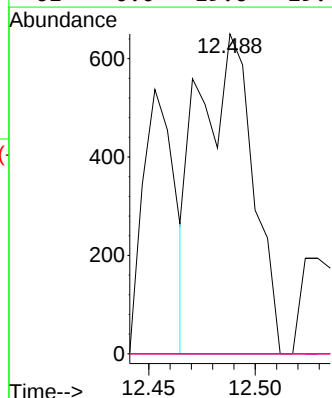
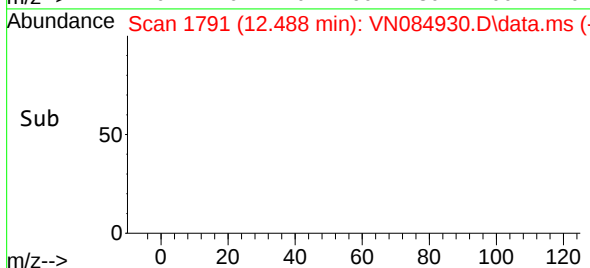
Tgt Ion:152 Resp: 151104
Ion Ratio Lower Upper
152 100
115 63.0 31.3 93.9
150 156.6 0.0 349.8

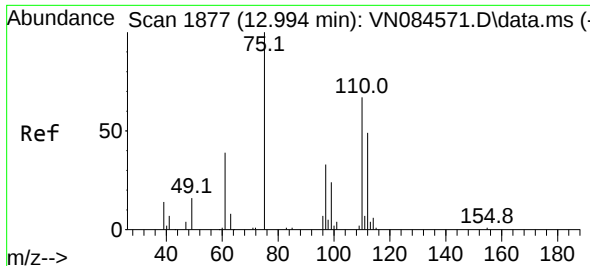


#74
N-ethyl acetate
Concen: 0.254 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16



Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 19.6 29.4#
61 0.0 19.6 29.4#

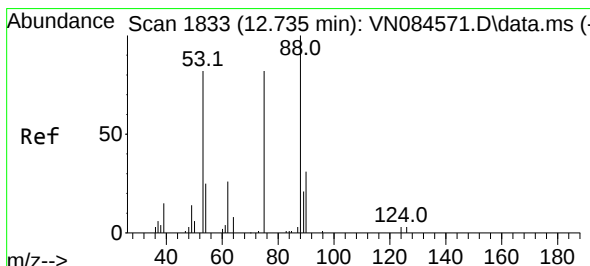
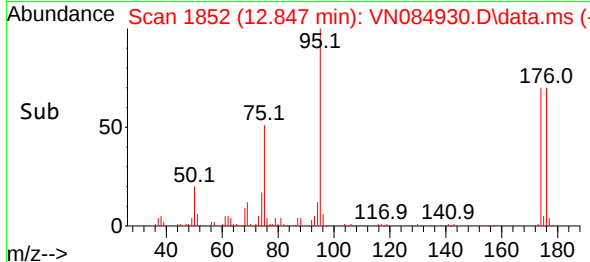
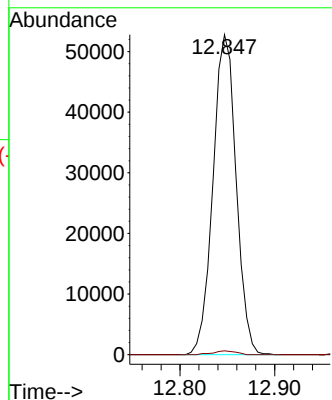
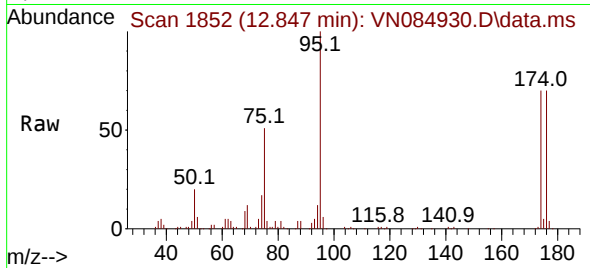




#76
1,2,3-Trichloropropane
Concen: 29.698 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

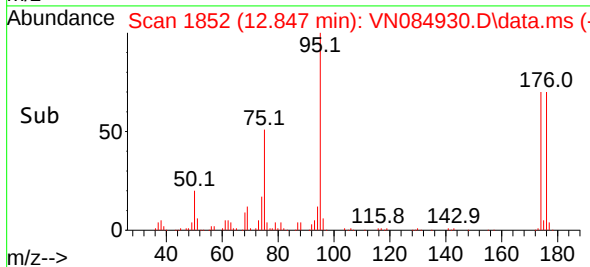
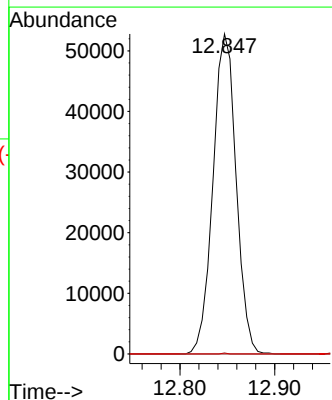
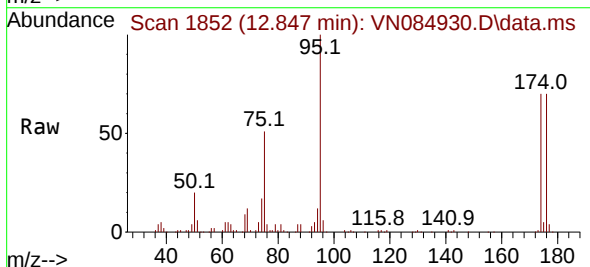
Instrument :
MSVOA_N
ClientSampleId :

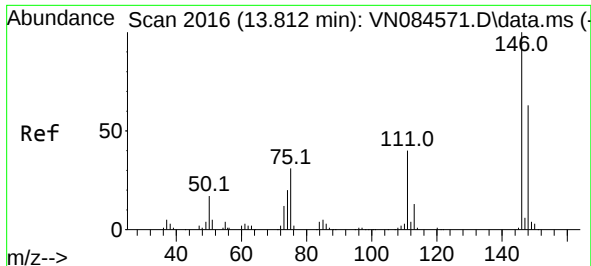
Tgt Ion: 75 Resp: 89703
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.456 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

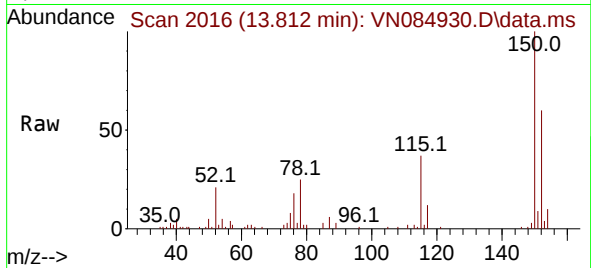
Tgt Ion: 75 Resp: 89703
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 35.5 53.3#



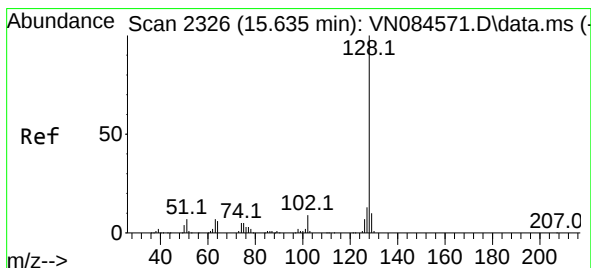
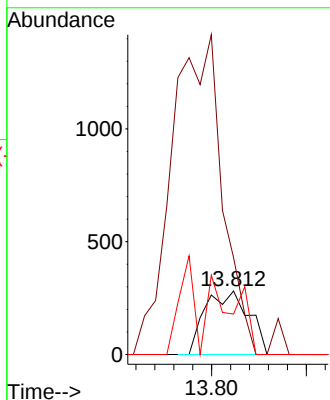
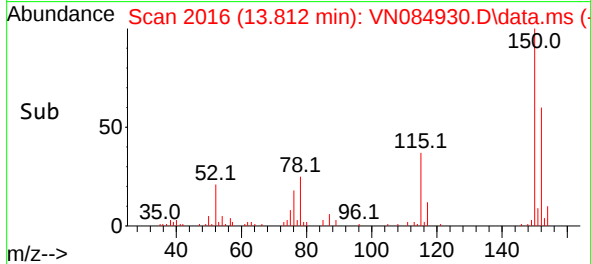


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:146 Resp: 452
Ion Ratio Lower Upper
146 100
111 583.8 21.2 63.6#
148 79.6 31.9 95.9



#95
Naphthalene
Concen: 0.263 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN084930.D
Acq: 18 Nov 2024 19:16

Tgt Ion:128 Resp: 2299
Ion Ratio Lower Upper
128 100
127 8.6 10.5 15.7#
129 2.6 8.7 13.1#

