

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111824\
 Data File : VN084932.D
 Acq On : 18 Nov 2024 20:04
 Operator : JC\MD
 Sample : P4887-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:35:23 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

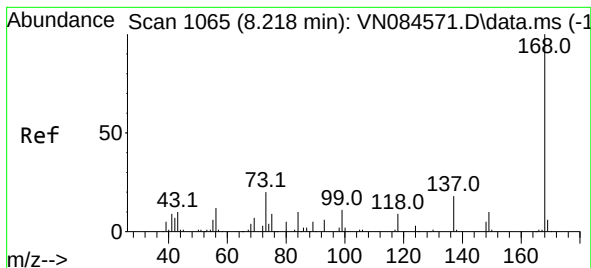
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	197893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	356866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	325064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	148428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	144166	50.439	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.880%			
35) Dibromofluoromethane	8.165	113	113987	47.189	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.380%			
50) Toluene-d8	10.565	98	421183	47.334	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.660%			
62) 4-Bromofluorobenzene	12.847	95	169649	51.014	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.020%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	713	Below Cal	#	88
6) Chloroethane	3.148	64	323	Below Cal	#	45
11) Tert butyl alcohol	5.506	59	632	1.675	ug/l #	73
16) Acetone	4.430	43	20118	21.762	ug/l	99
18) Methyl Acetate	5.024	43	6655	Below Cal	#	62
20) Methylene Chloride	5.265	84	2601	1.035	ug/l #	55
25) 2-Butanone	7.489	43	3069	2.302	ug/l	100
29) Tetrahydrofuran	7.836	42	831	0.939	ug/l #	53
31) Cyclohexane	8.218	56	4818	1.221	ug/l #	16
36) 1,1-Dichloropropene	8.218	75	16580	4.949	ug/l #	52
37) Ethyl Acetate	7.565	43	3599	1.184	ug/l #	93
38) Carbon Tetrachloride	8.218	117	21575	5.762	ug/l #	16
43) Isopropyl Acetate	8.688	43	282175	50.257	ug/l #	73
45) 1,2-Dichloropropane	9.741	63	1326	0.525	ug/l #	44
48) Methyl methacrylate	9.659	41	3129	1.323	ug/l #	41
49) 1,4-Dioxane	9.741	88	64	1.527	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	8522	2.941	ug/l #	74
54) cis-1,3-Dichloropropene	10.359	75	40057	9.740	ug/l #	58
56) Ethyl methacrylate	10.982	69	1147	0.335	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4868	1.197	ug/l #	42
59) 2-Hexanone	11.200	43	60144	28.517	ug/l #	56
60) Dibromochloromethane	11.100	129	1521	0.563	ug/l #	11
64) Tetrachloroethene	11.094	164	1573	0.727	ug/l #	59
76) 1,2,3-Trichloropropane	12.847	75	90832	30.614	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	90832	72.629	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	207	Below Cal	#	1

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

Quant Time: Nov 19 00:35:23 2024
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Quant Title : SW846 8260
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Response via : Initial Calibration

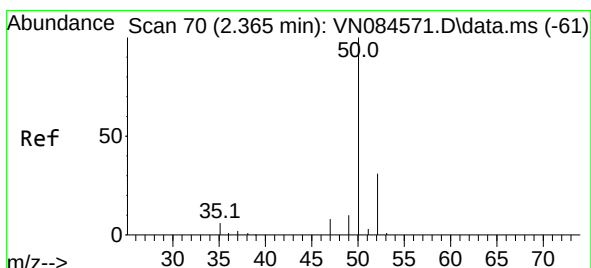
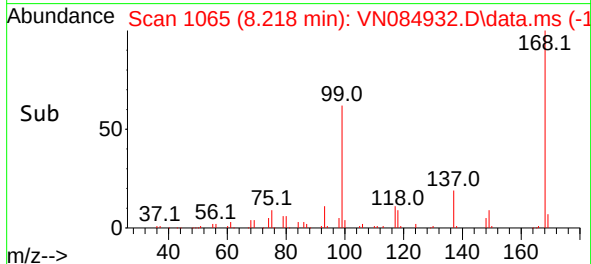
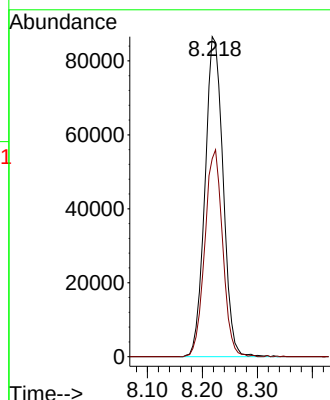
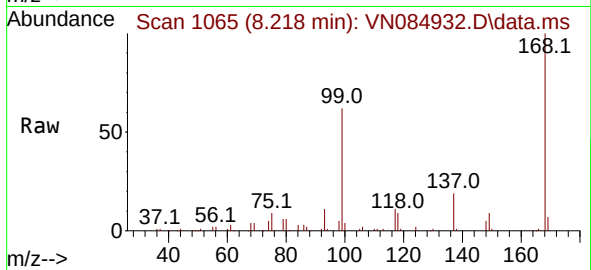




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

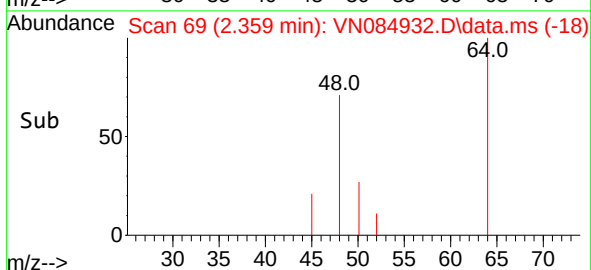
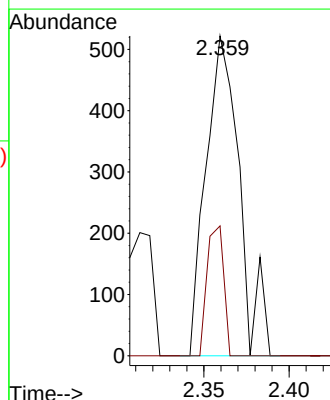
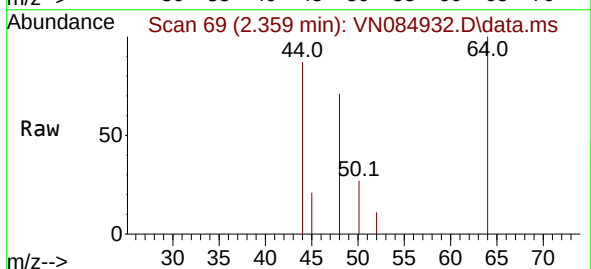
Instrument :
MSVOA_N
ClientSampleId :

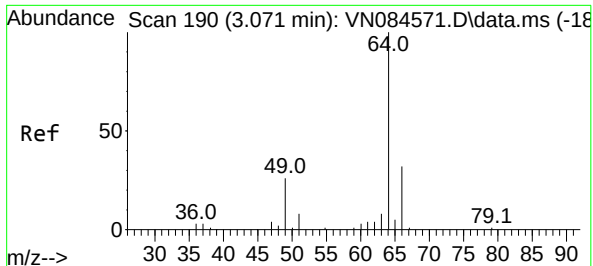
Tgt Ion:168 Resp: 197893
Ion Ratio Lower Upper
168 100
99 61.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

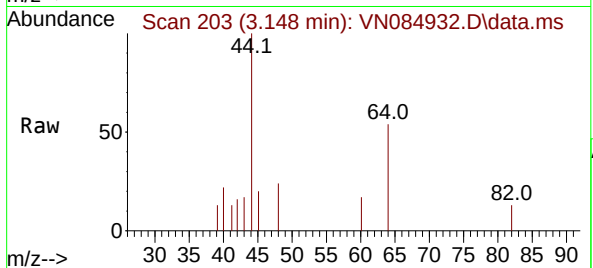
Tgt Ion: 50 Resp: 713
Ion Ratio Lower Upper
50 100
52 40.6 26.8 40.2#



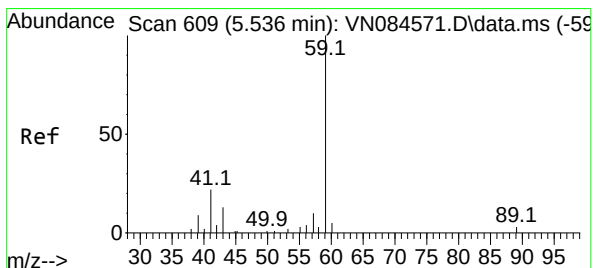
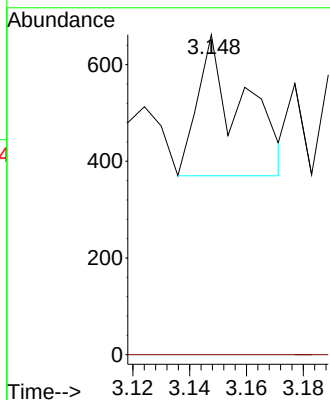
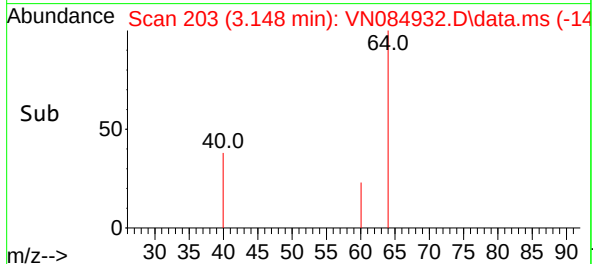


#6
Chloroethane
Concen: Below Cal
RT: 3.148 min Scan# 203
Delta R.T. 0.030 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :

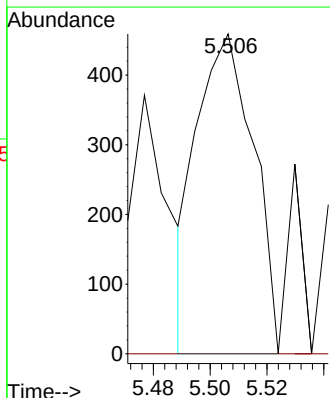
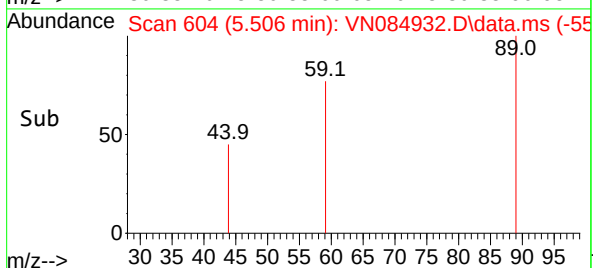
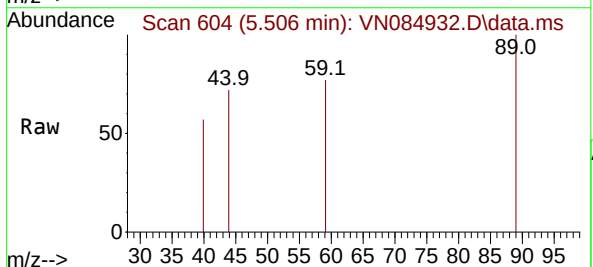


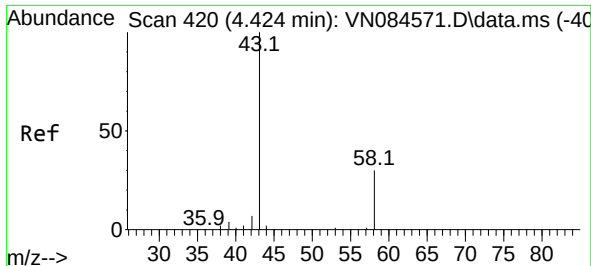
Tgt Ion: 64 Resp: 323
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 1.675 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

Tgt Ion: 59 Resp: 632
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

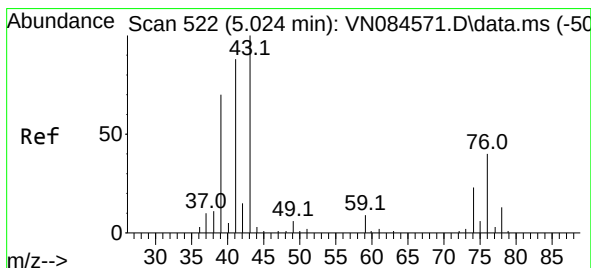
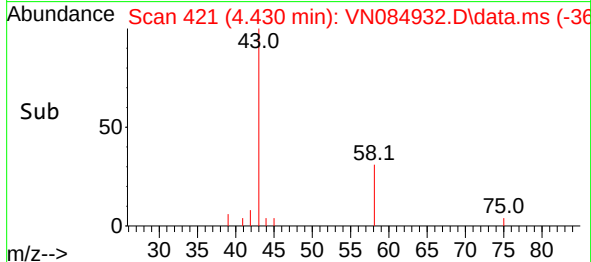
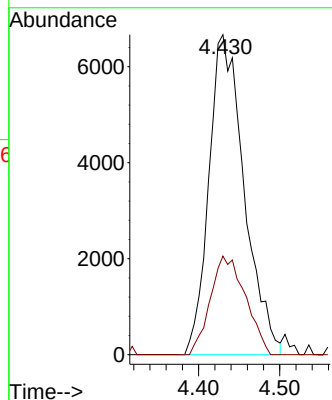
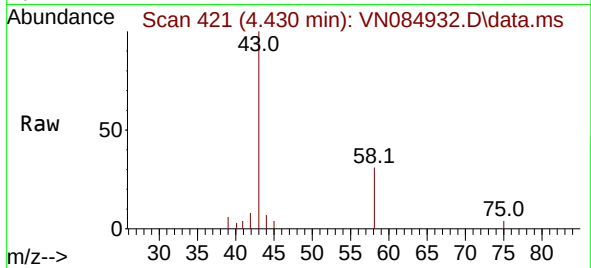




#16
Acetone
Concen: 21.762 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

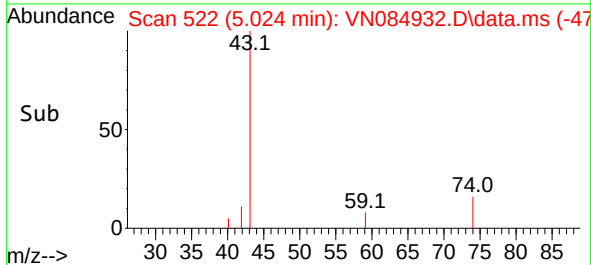
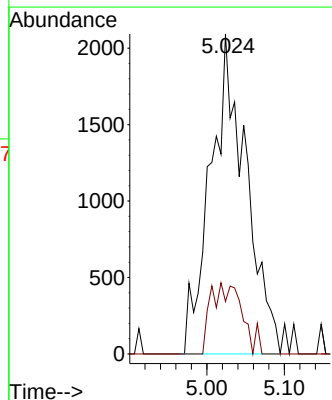
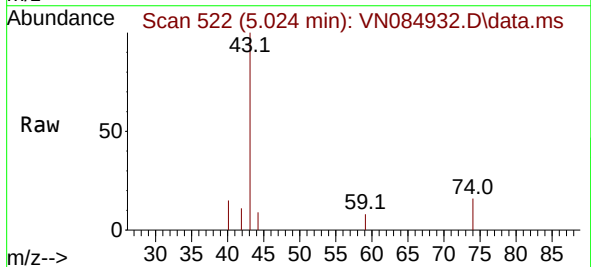
Instrument :
MSVOA_N
ClientSampleId :

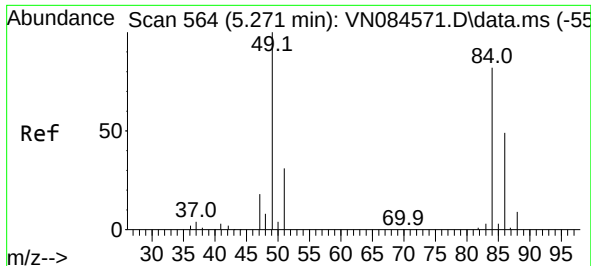
Tgt Ion: 43 Resp: 20118
Ion Ratio Lower Upper
43 100
58 30.8 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

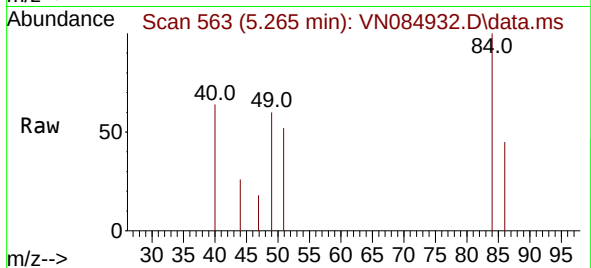
Tgt Ion: 43 Resp: 6655
Ion Ratio Lower Upper
43 100
74 5.5 19.2 28.8#





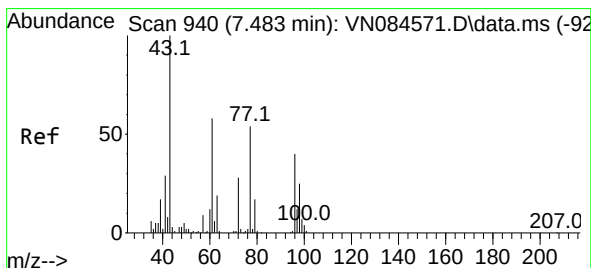
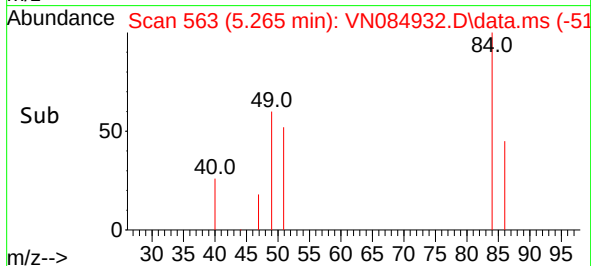
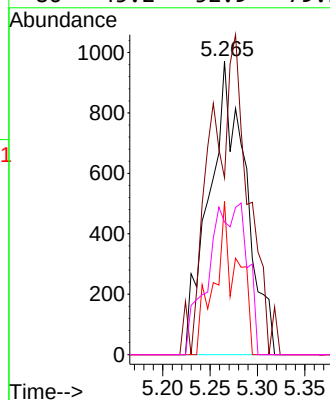
#20
Methylene Chloride
Concen: 1.035 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2601

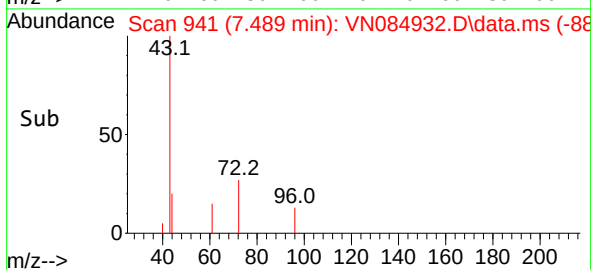
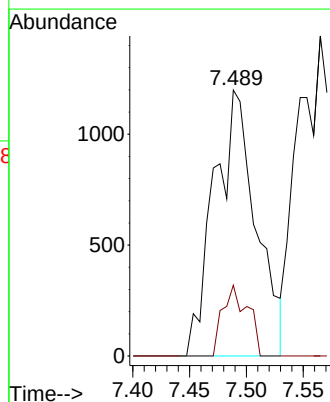
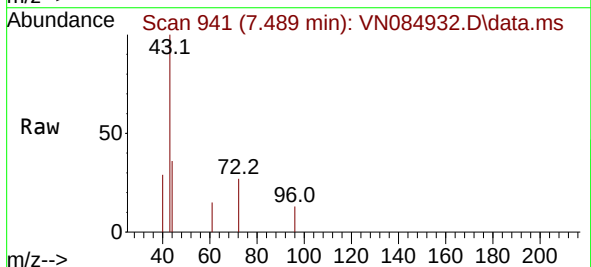
Ion	Ratio	Lower	Upper
84	100		
49	60.2	107.2	160.8#
51	52.2	31.8	47.8#
86	45.2	52.9	79.3#

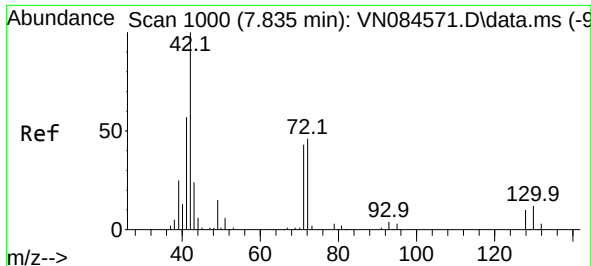


#25
2-Butanone
Concen: 2.302 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

Tgt Ion: 43 Resp: 3069

Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.939 ug/l

RT: 7.836 min Scan# 1065

Delta R.T. 0.000 min

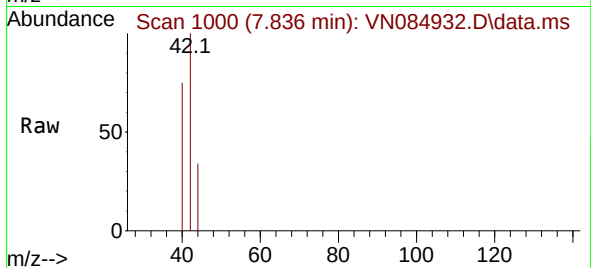
Lab File: VN084932.D

Acq: 18 Nov 2024 20:04

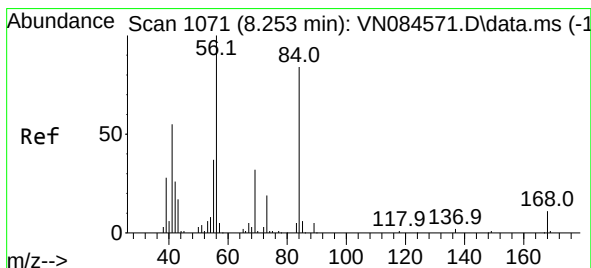
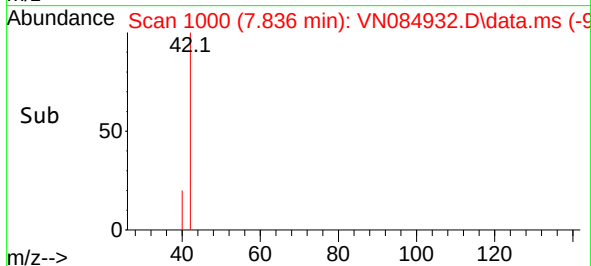
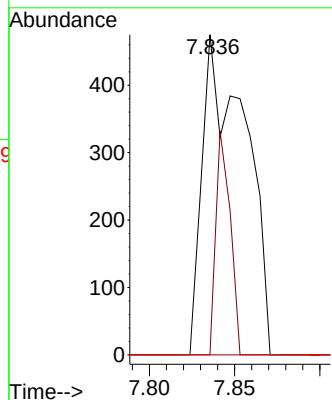
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	831
Ion	Ratio	Lower	Upper
42	100		
72	23.2	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.221 ug/l

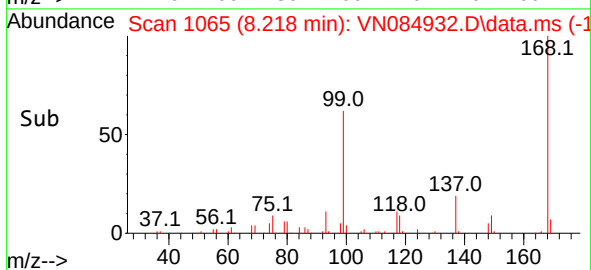
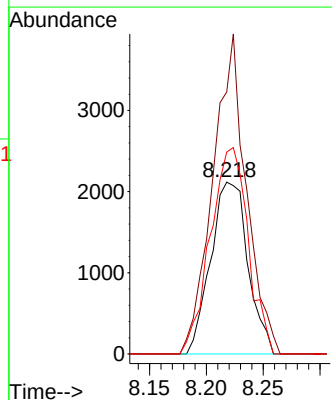
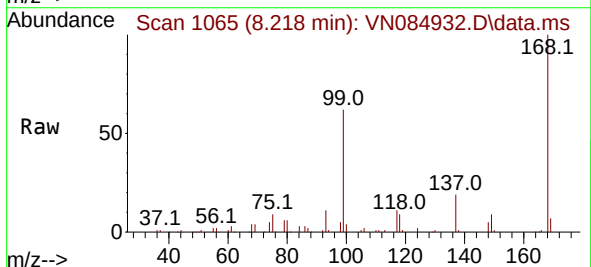
RT: 8.218 min Scan# 1065

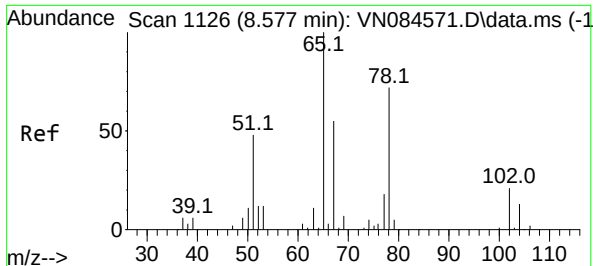
Delta R.T. -0.035 min

Lab File: VN084932.D

Acq: 18 Nov 2024 20:04

Tgt Ion:	56	Resp:	4818
Ion	Ratio	Lower	Upper
56	100		
69	152.5	23.8	35.6#
84	117.5	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 50.439 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084932.D

Acq: 18 Nov 2024 20:04

Instrument :

MSVOA_N

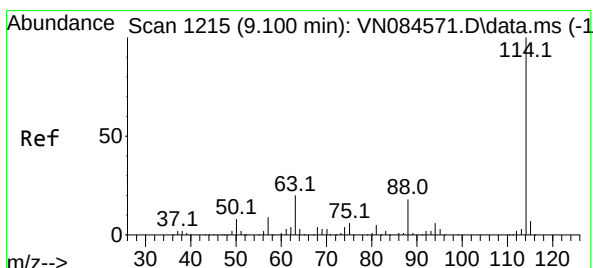
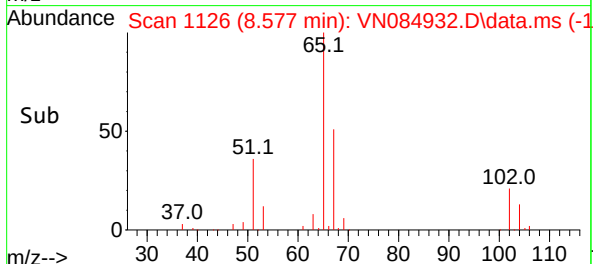
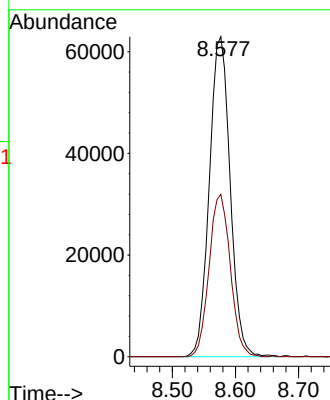
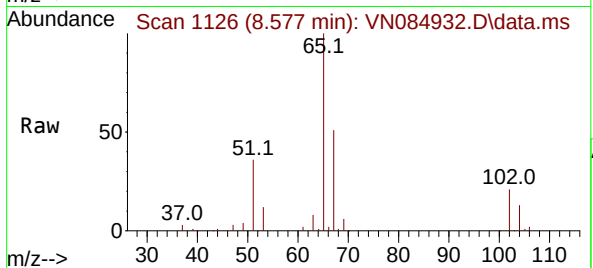
ClientSampleId :

Tgt Ion: 65 Resp: 144166

Ion Ratio Lower Upper

65 100

67 51.6 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: VN084932.D

Acq: 18 Nov 2024 20:04

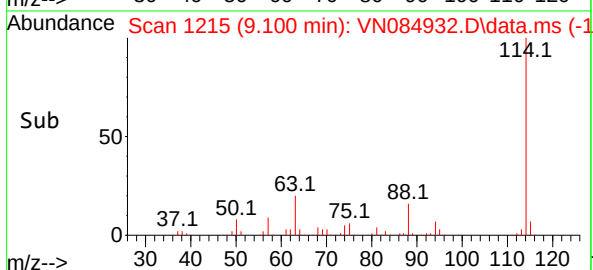
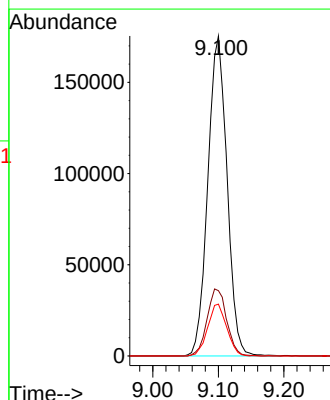
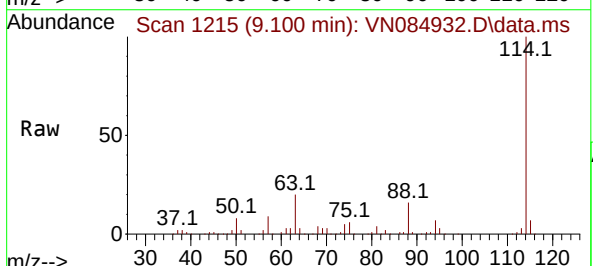
Tgt Ion: 114 Resp: 356866

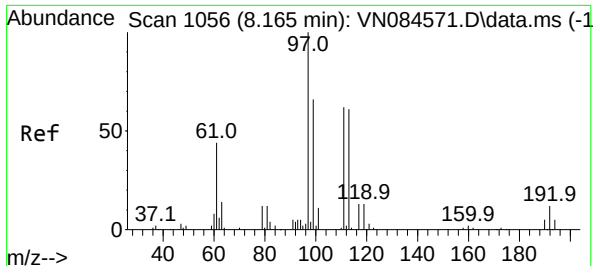
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.8

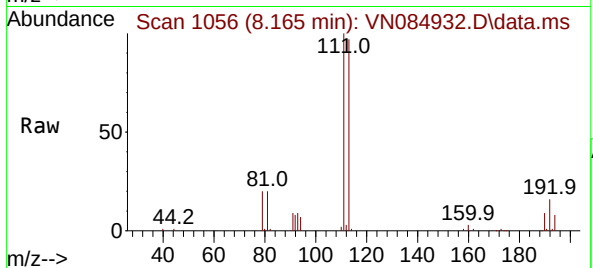
88 16.2 0.0 31.6



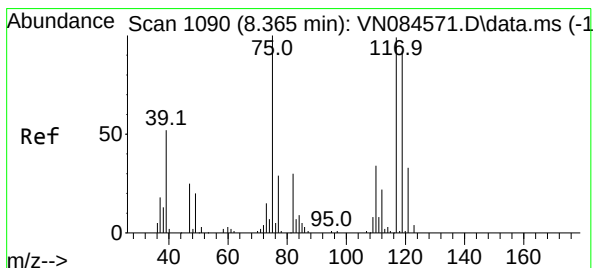
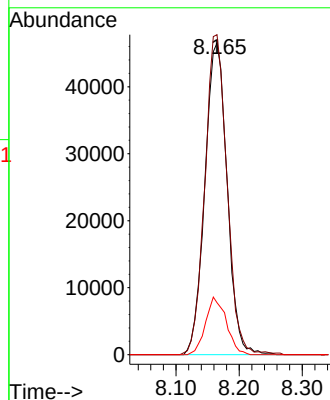
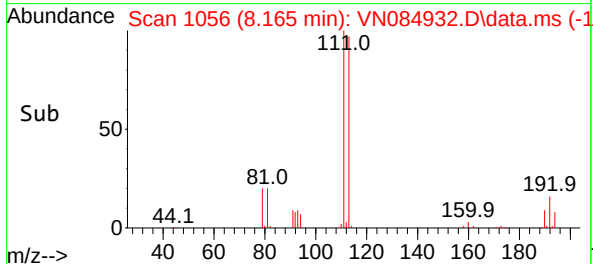


#35
Dibromofluoromethane
Concen: 47.189 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :

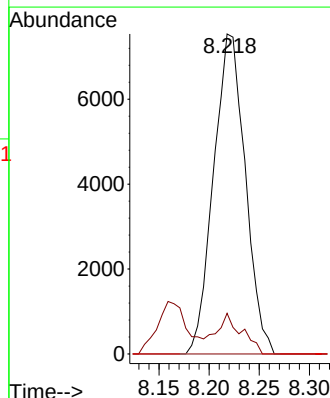
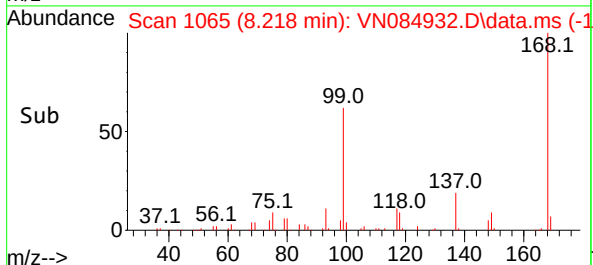
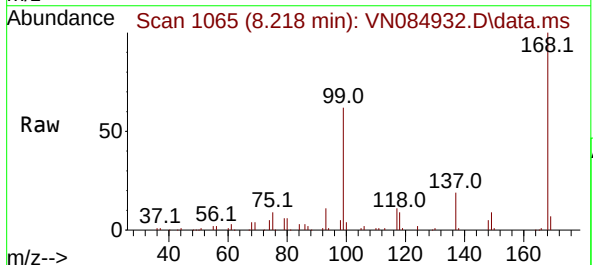


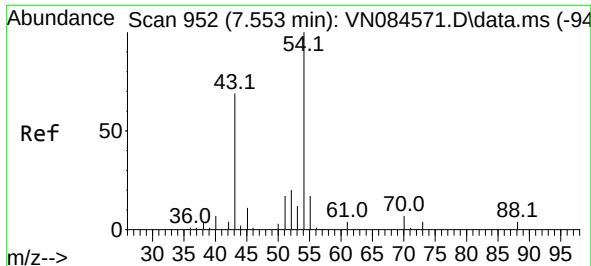
Tgt Ion:113 Resp: 113987
Ion Ratio Lower Upper
113 100
111 102.2 83.3 124.9
192 17.2 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.949 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

Tgt Ion: 75 Resp: 16580
Ion Ratio Lower Upper
75 100
110 10.2 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.184 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

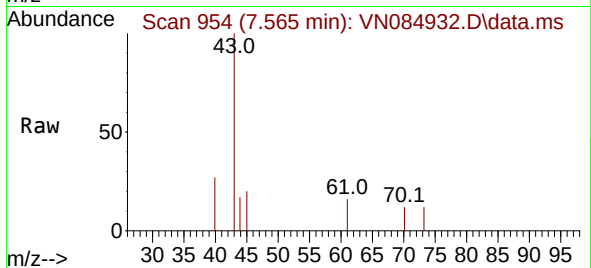
Lab File: VN084932.D

Acq: 18 Nov 2024 20:04

Instrument :

MSVOA_N

ClientSampleId :



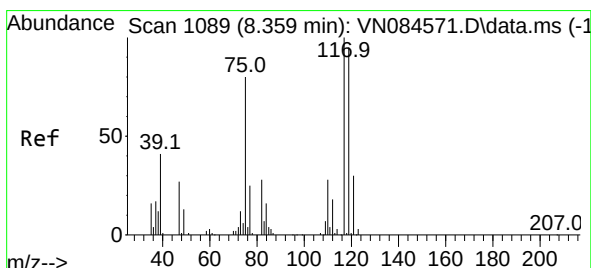
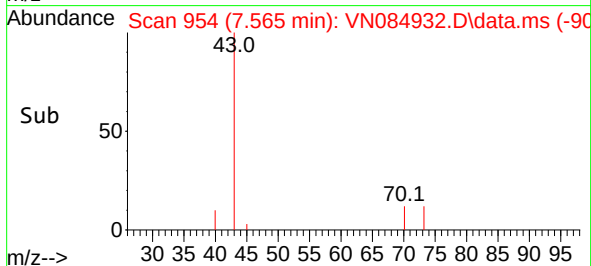
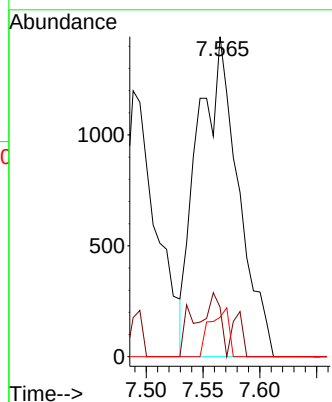
Tgt Ion: 43 Resp: 3599

Ion Ratio Lower Upper

43 100

61 12.0 10.7 16.1

70 7.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.762 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084932.D

Acq: 18 Nov 2024 20:04

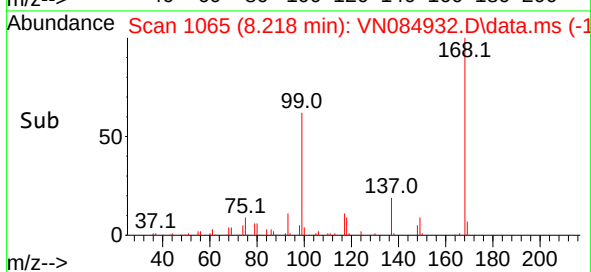
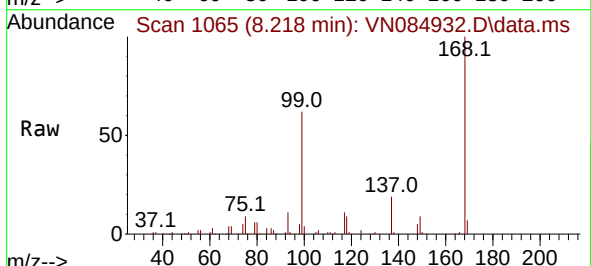
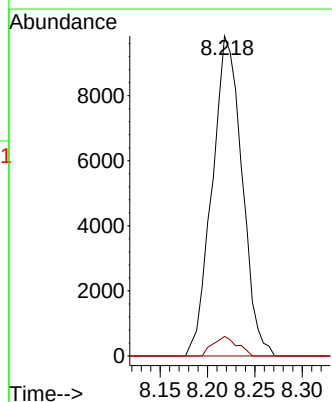
Tgt Ion: 117 Resp: 21575

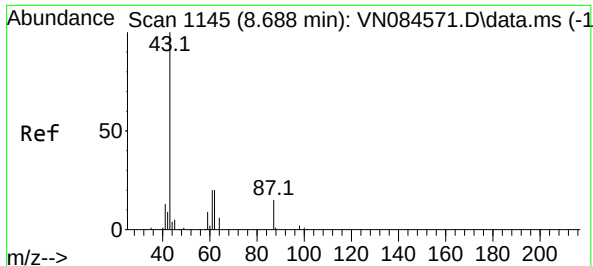
Ion Ratio Lower Upper

117 100

119 6.1 78.7 118.1#

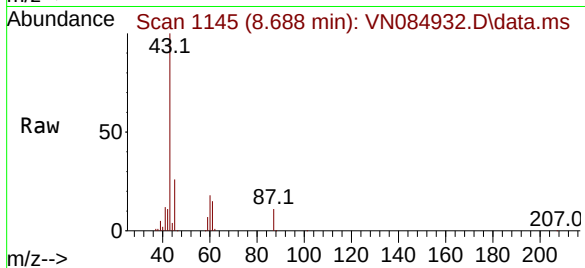
121 0.0 24.4 36.6#



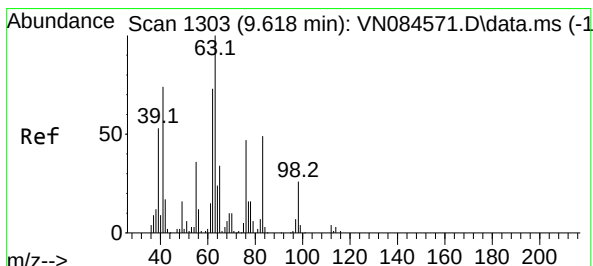
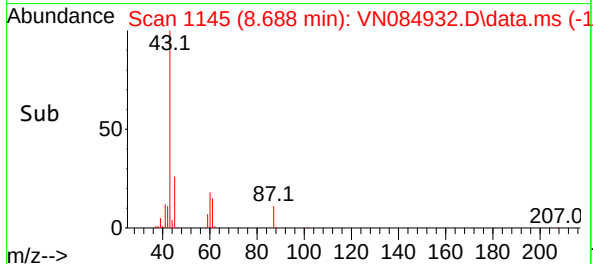
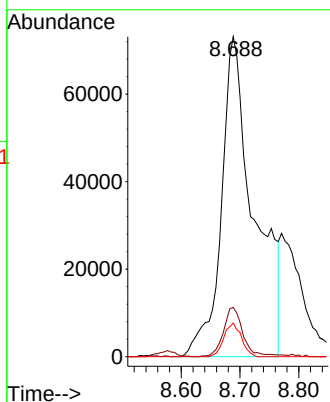


#43
Isopropyl Acetate
Concen: 50.257 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :

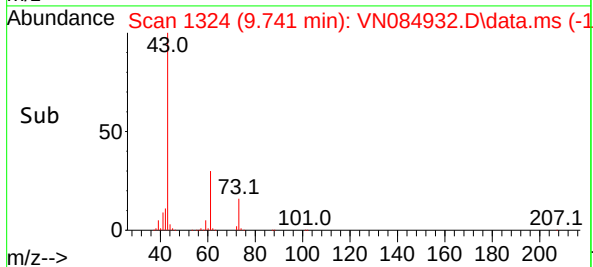
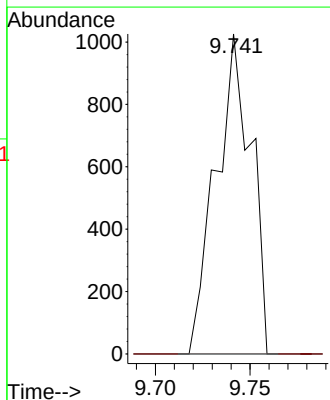
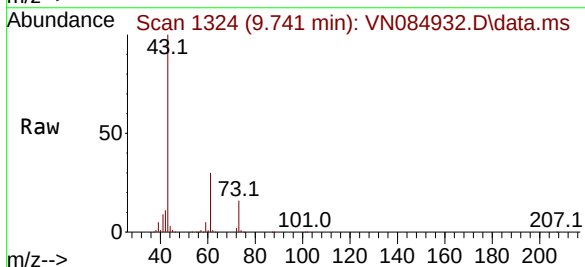


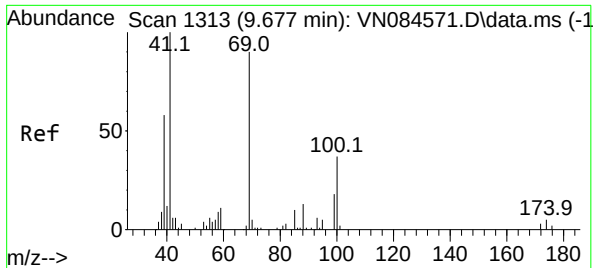
Tgt Ion: 43 Resp: 282175
Ion Ratio Lower Upper
43 100
61 9.4 20.4 30.6#
87 5.6 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.525 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

Tgt Ion: 63 Resp: 1326
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#

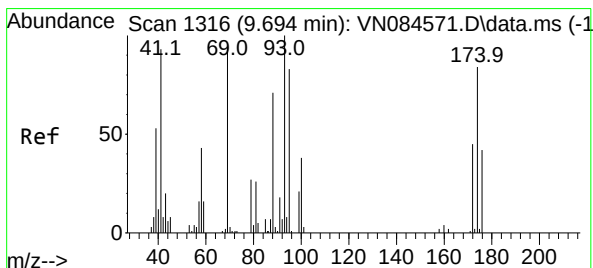
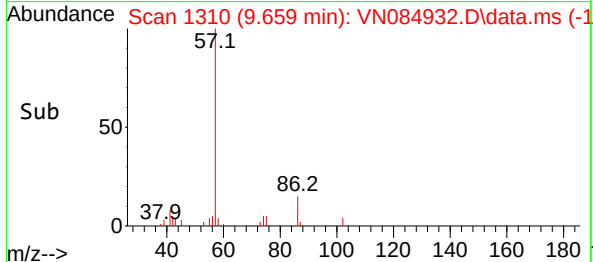
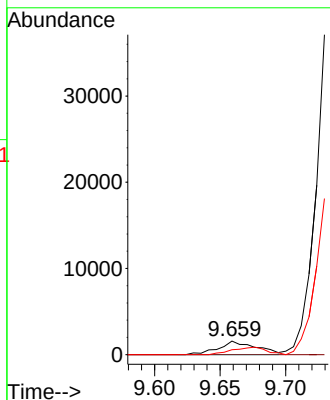
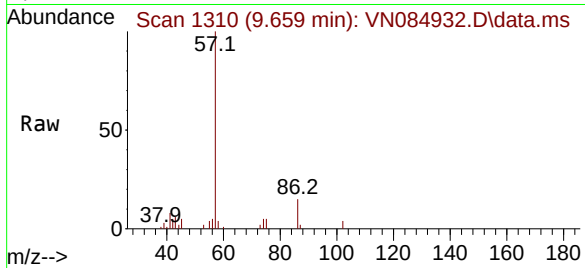




#48
Methyl methacrylate
Concen: 1.323 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

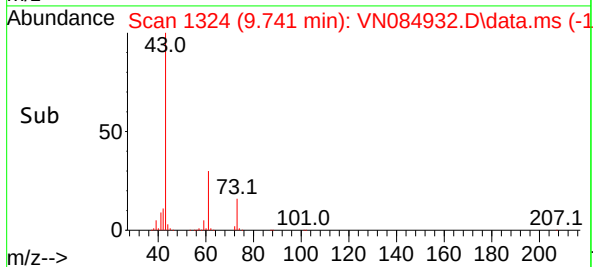
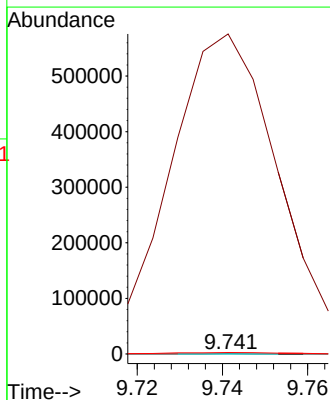
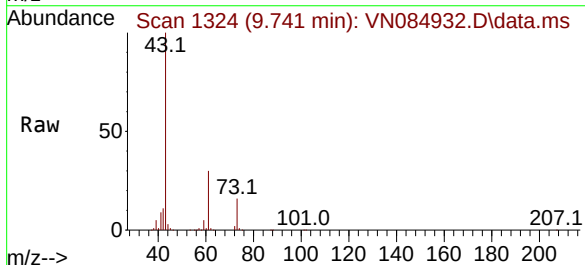
Instrument :
MSVOA_N
ClientSampleId :

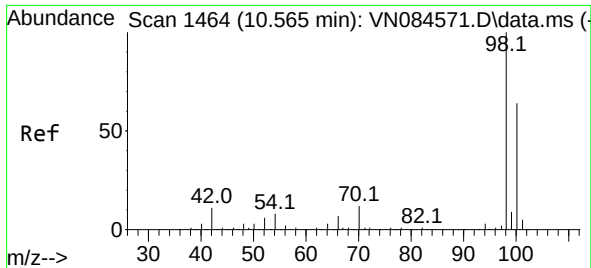
Tgt Ion: 41 Resp: 3129
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 50.4 45.8 68.6



#49
1,4-Dioxane
Concen: 1.527 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 1634121.9 25.3 37.9#
58 7532.8 56.4 84.6#

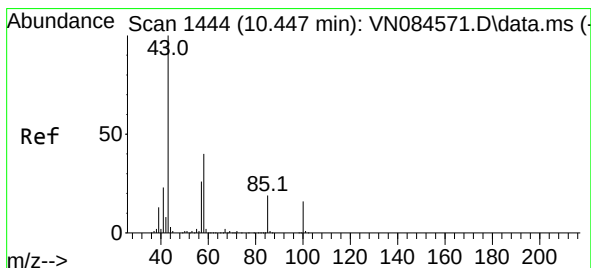
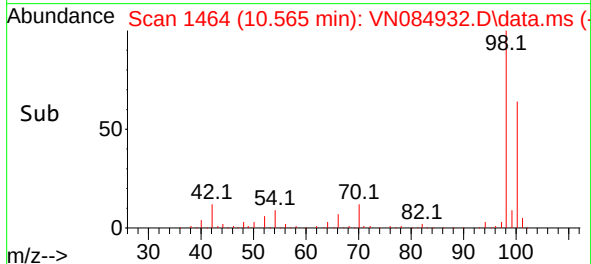
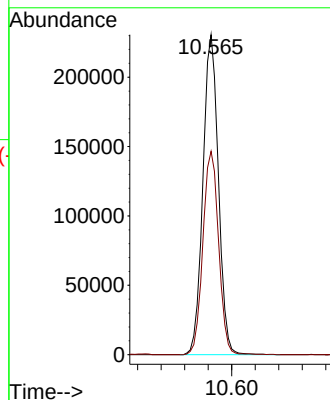
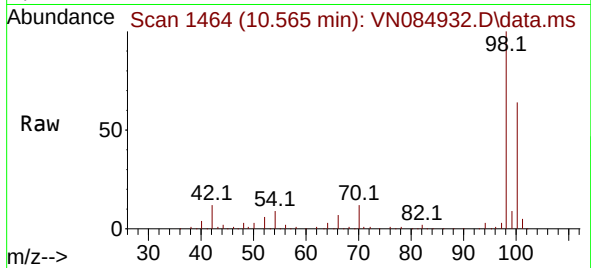




#50
Toluene-d8
Concen: 47.334 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

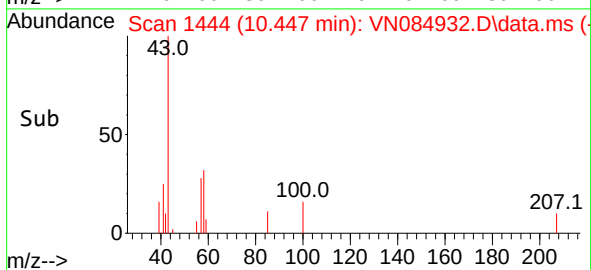
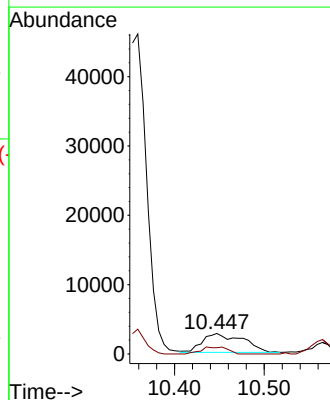
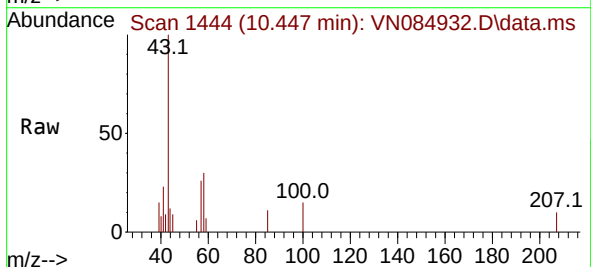
Instrument :
MSVOA_N
ClientSampleId :

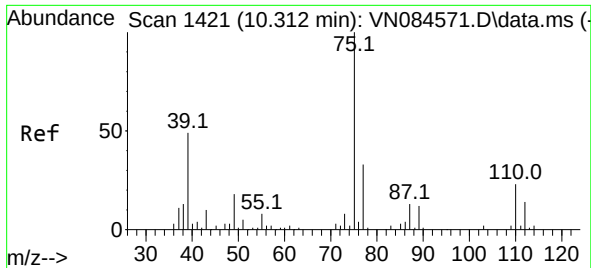
Tgt Ion: 98 Resp: 421183
Ion Ratio Lower Upper
98 100
100 64.6 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 2.941 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

Tgt Ion: 43 Resp: 8522
Ion Ratio Lower Upper
43 100
58 23.8 31.6 47.4#

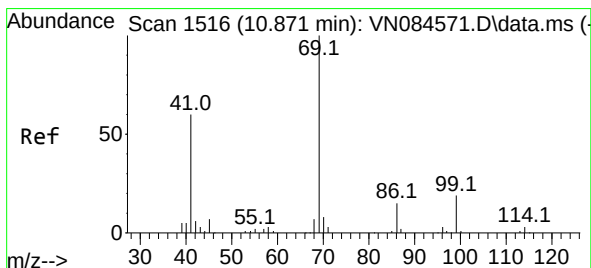
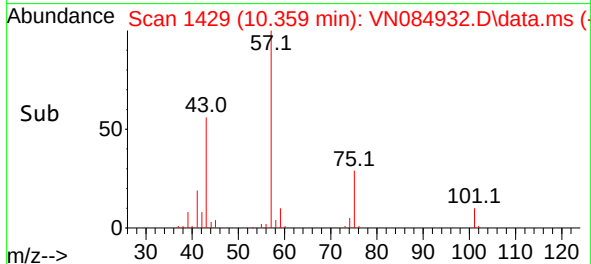
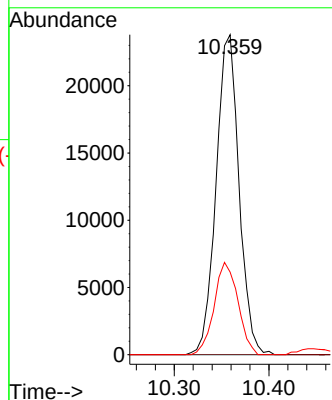
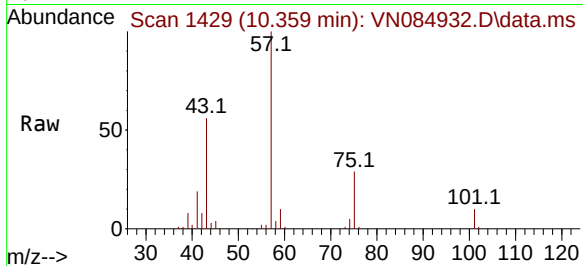




#54
 cis-1,3-Dichloropropene
 Concen: 9.740 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084932.D
 Acq: 18 Nov 2024 20:04

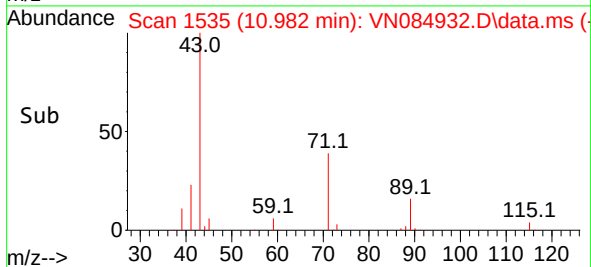
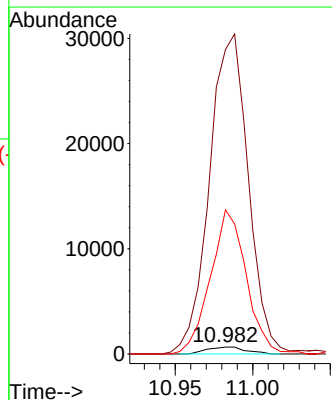
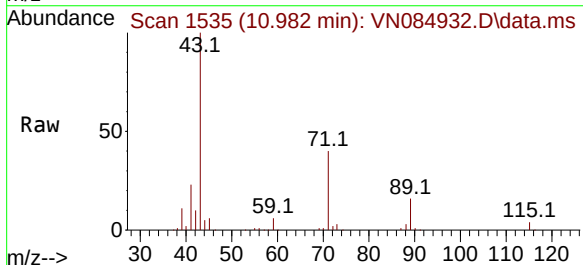
Instrument :
 MSVOA_N
 ClientSampleId :

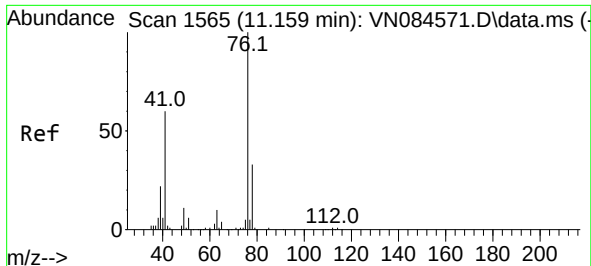
Tgt Ion: 75 Resp: 40057
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 25.8 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.335 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN084932.D
 Acq: 18 Nov 2024 20:04

Tgt Ion: 69 Resp: 1147
 Ion Ratio Lower Upper
 69 100
 41 4637.9 53.3 79.9#
 39 1923.8 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.197 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084932.D

Acq: 18 Nov 2024 20:04

Instrument :

MSVOA_N

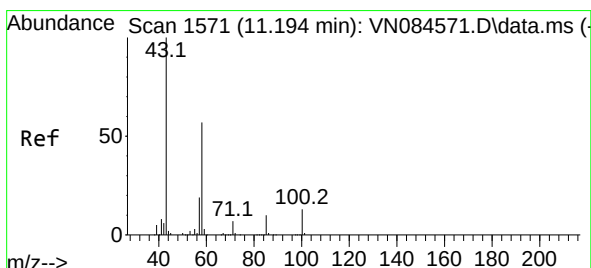
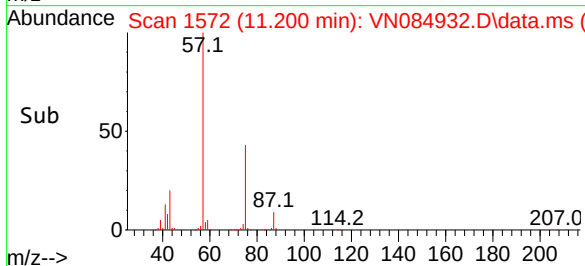
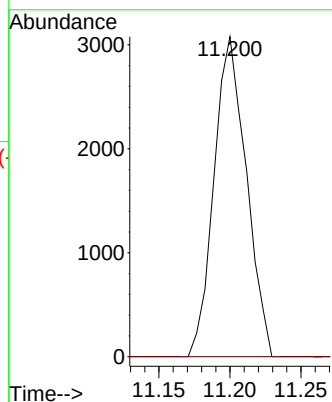
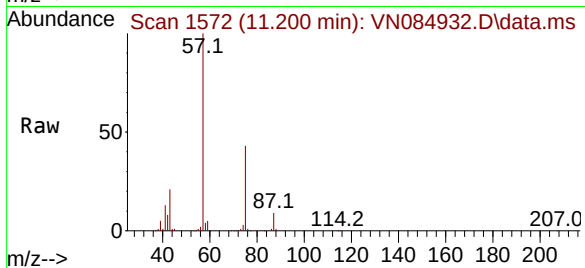
ClientSampleId :

Tgt Ion: 76 Resp: 4868

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 28.517 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084932.D

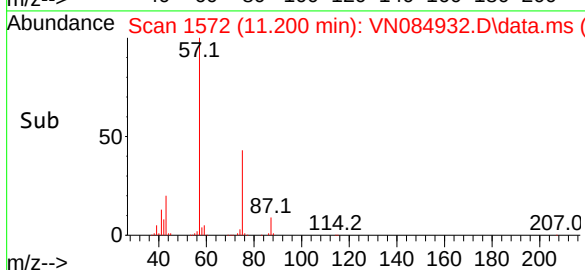
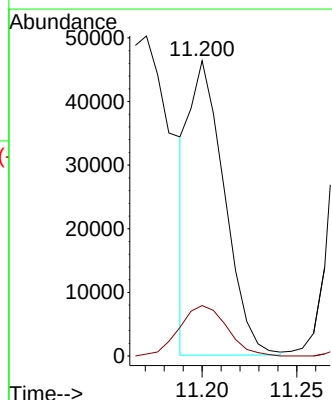
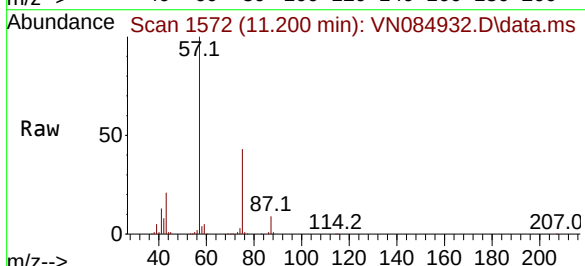
Acq: 18 Nov 2024 20:04

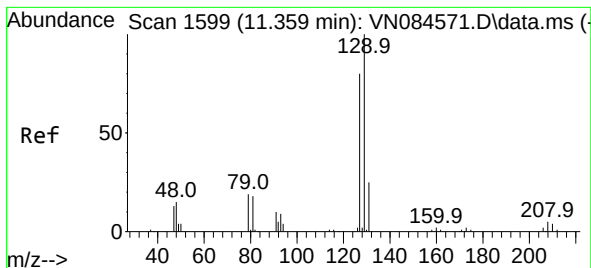
Tgt Ion: 43 Resp: 60144

Ion Ratio Lower Upper

43 100

58 23.1 27.3 81.8#





#60

Dibromochloromethane

Concen: 0.563 ug/l

RT: 11.100 min Scan# 11

Delta R.T. -0.259 min

Lab File: VN084932.D

Acq: 18 Nov 2024 20:04

Instrument :

MSVOA_N

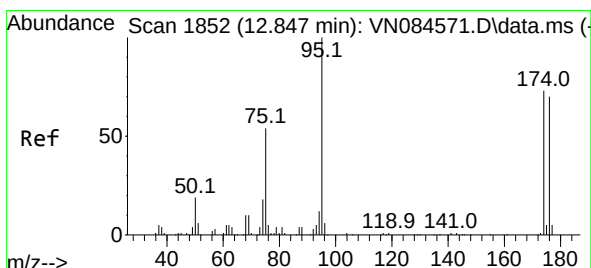
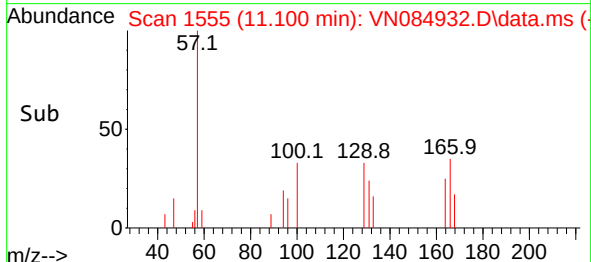
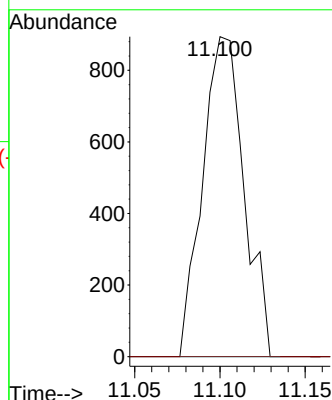
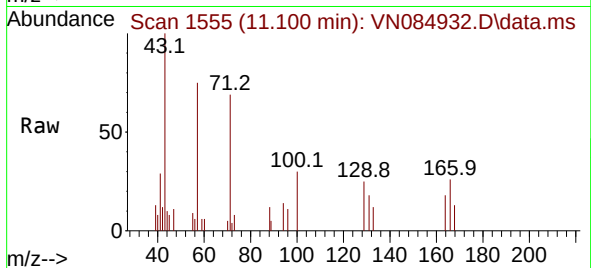
ClientSampleId :

Tgt Ion:129 Resp: 1521

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.9#



#62

4-Bromofluorobenzene

Concen: 51.014 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084932.D

Acq: 18 Nov 2024 20:04

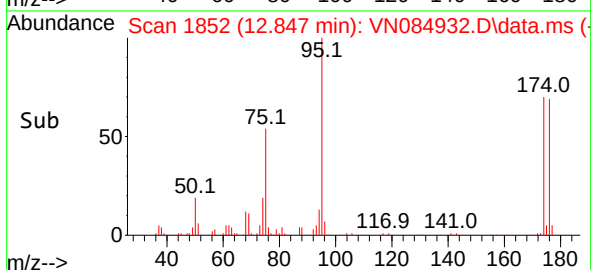
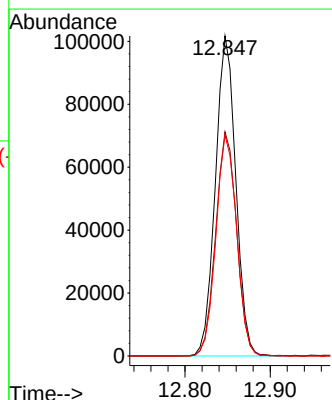
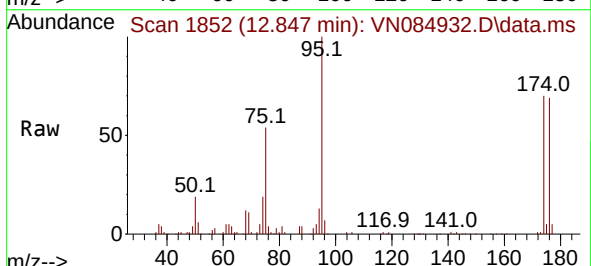
Tgt Ion: 95 Resp: 169649

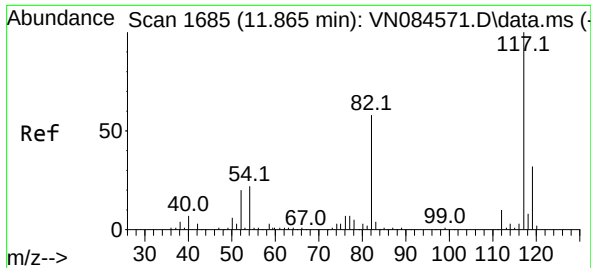
Ion Ratio Lower Upper

95 100

174 71.7 0.0 145.2

176 70.1 0.0 140.0

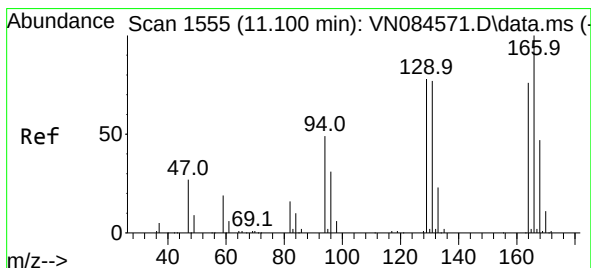
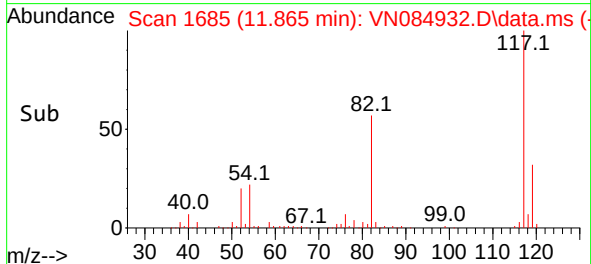
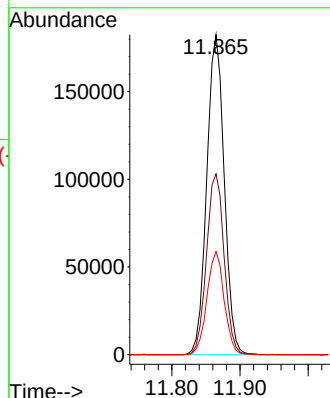
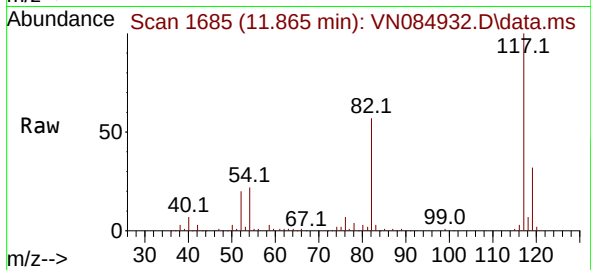




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

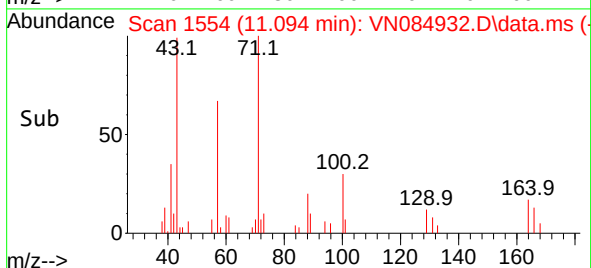
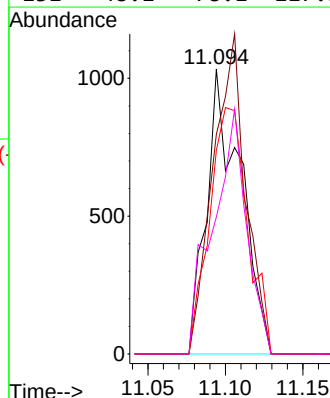
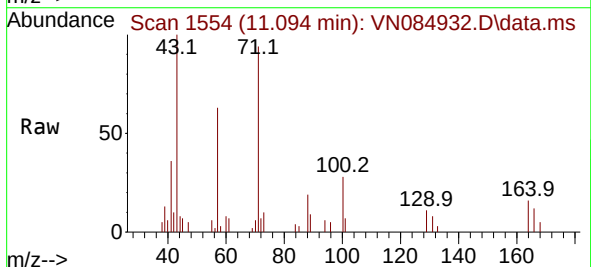
Instrument :
MSVOA_N
ClientSampleId :

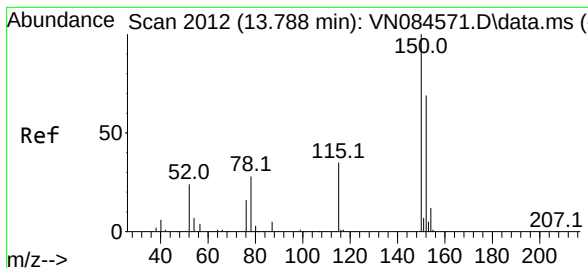
Tgt Ion:117 Resp: 325064
Ion Ratio Lower Upper
117 100
82 56.5 47.2 70.8
119 32.2 25.4 38.0



#64
Tetrachloroethene
Concen: 0.727 ug/l
RT: 11.094 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

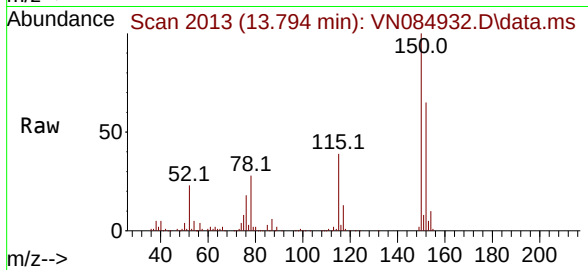
Tgt Ion:164 Resp: 1573
Ion Ratio Lower Upper
164 100
166 77.1 101.0 151.4#
129 71.5 80.8 121.2#
131 48.1 78.1 117.1#



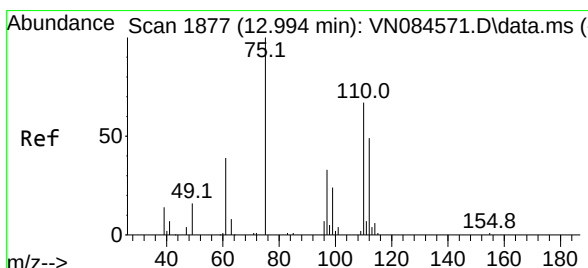
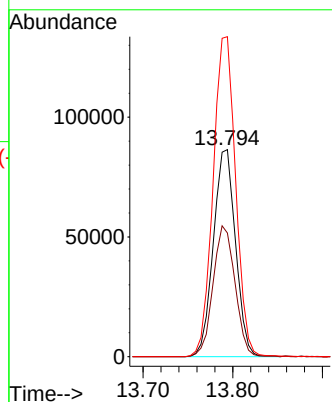
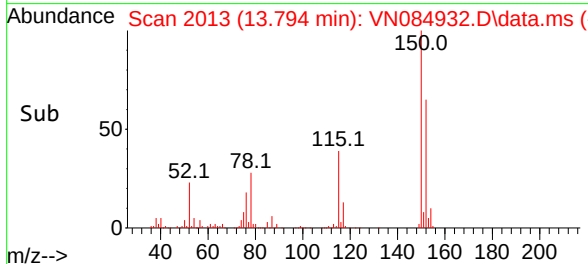


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :

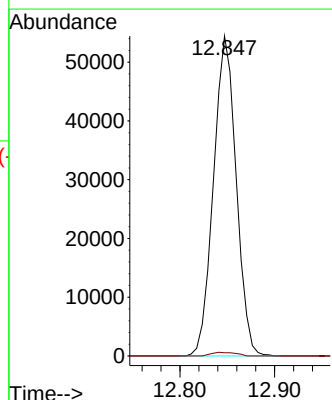
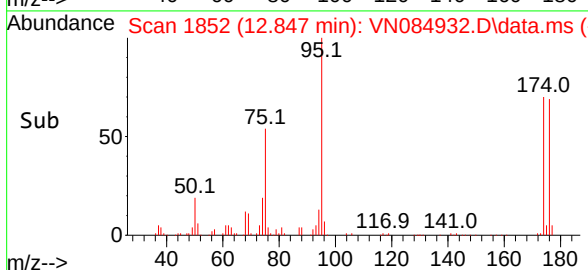
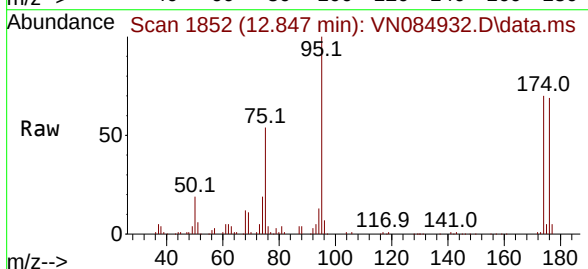


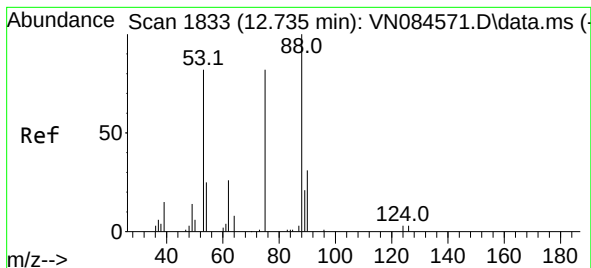
Tgt Ion:152 Resp: 148428
Ion Ratio Lower Upper
152 100
115 62.7 31.3 93.9
150 157.0 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 30.614 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

Tgt Ion: 75 Resp: 90832
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#

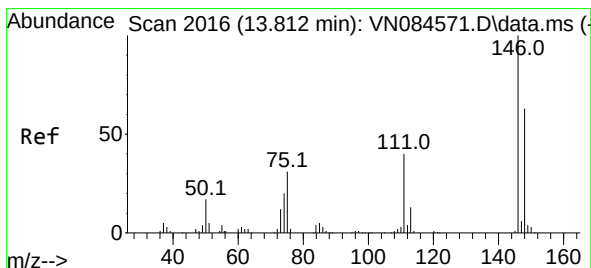
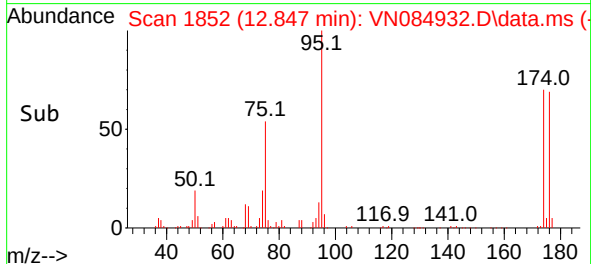
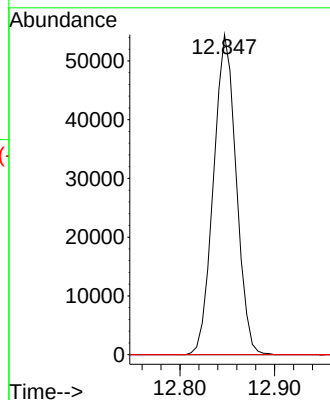
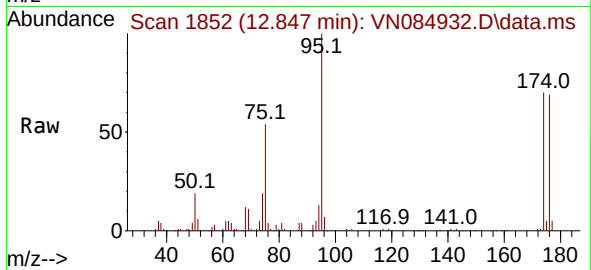




#81
trans-1,4-Dichloro-2-butene
Concen: 72.629 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 90832
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN084932.D
Acq: 18 Nov 2024 20:04

Tgt Ion:146 Resp: 207
Ion Ratio Lower Upper
146 100
111 958.0 21.2 63.6#
148 65.2 31.9 95.9

