

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111824\
 Data File : VN084931.D
 Acq On : 18 Nov 2024 19:40
 Operator : JC\MD
 Sample : P4870-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:34:51 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)

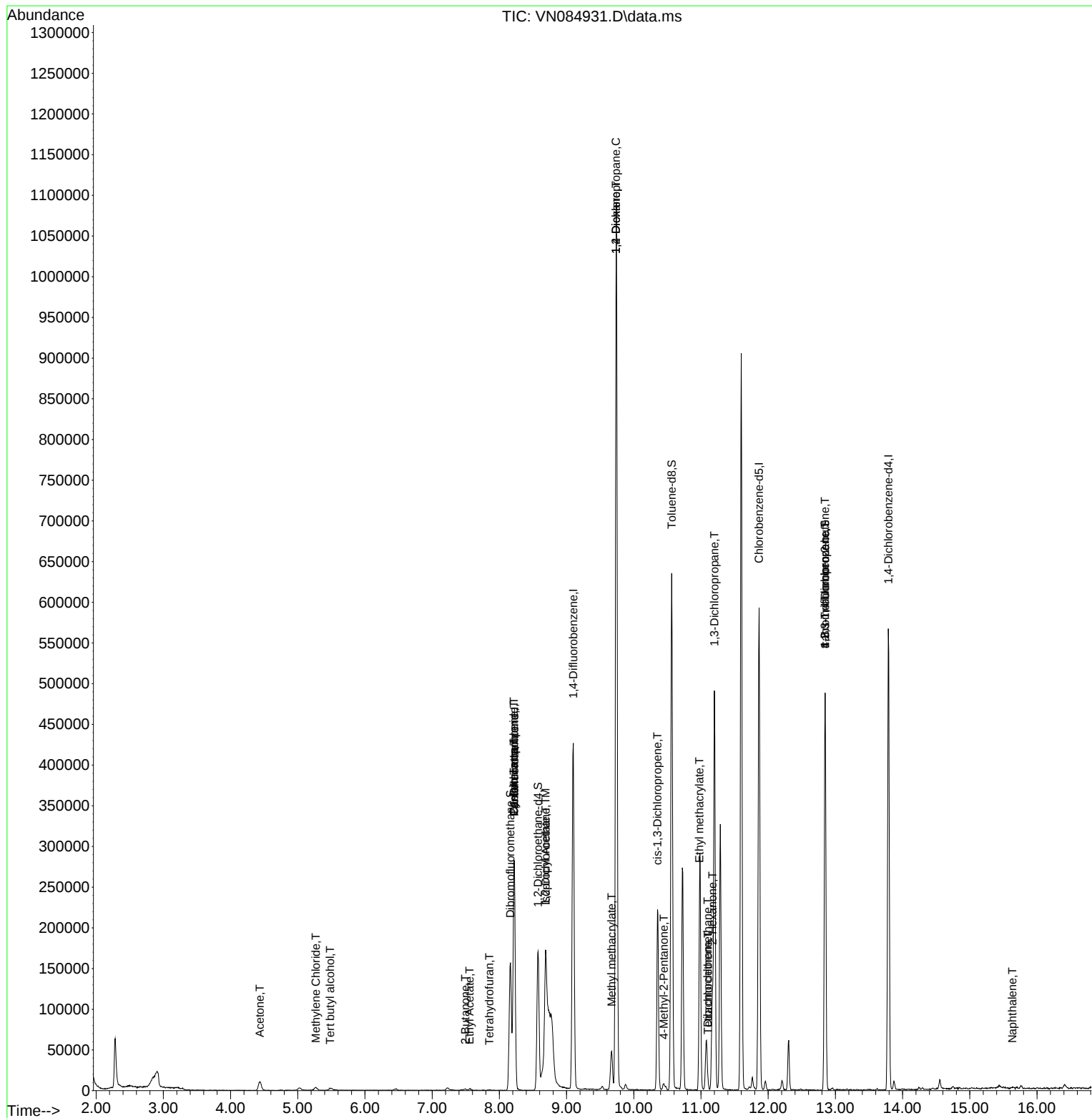
Internal Standards						
1) Pentafluorobenzene	8.224	168	199882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	366646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	331118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	151145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	144649	50.104	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.200%			
35) Dibromofluoromethane	8.165	113	114469	46.124	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.240%			
50) Toluene-d8	10.565	98	436364	47.732	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.460%			
62) 4-Bromofluorobenzene	12.847	95	175176	51.271	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.540%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	718	Below Cal	#	41
6) Chloroethane	3.124	64	224	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	1282	3.364	ug/l #	73
16) Acetone	4.436	43	20503	21.984	ug/l	96
18) Methyl Acetate	5.036	43	6565	Below Cal	#	51
20) Methylene Chloride	5.271	84	2764	1.089	ug/l #	89
25) 2-Butanone	7.494	43	2738	2.033	ug/l #	89
29) Tetrahydrofuran	7.853	42	673	0.753	ug/l #	56
31) Cyclohexane	8.218	56	4508	1.131	ug/l #	27
36) 1,1-Dichloropropene	8.218	75	17099	4.968	ug/l #	50
37) Ethyl Acetate	7.559	43	3327	1.065	ug/l #	82
38) Carbon Tetrachloride	8.218	117	22215	5.774	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	984	0.275	ug/l #	75
43) Isopropyl Acetate	8.688	43	312815	54.305	ug/l #	71
45) 1,2-Dichloropropane	9.735	63	1522	0.587	ug/l #	44
48) Methyl methacrylate	9.671	41	3344	1.376	ug/l #	38
49) 1,4-Dioxane	9.735	88	78	1.811	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	8598	2.888	ug/l #	70
54) cis-1,3-Dichloropropene	10.353	75	41116	9.731	ug/l #	59
56) Ethyl methacrylate	10.976	69	994	0.282	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5195	1.243	ug/l #	42
59) 2-Hexanone	11.171	43	99890	46.098	ug/l #	24
60) Dibromochloromethane	11.100	129	2068	0.745	ug/l #	11
64) Tetrachloroethene	11.106	164	1640	0.745	ug/l	90
76) 1,2,3-Trichloropropane	12.847	75	91226	30.194	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	91226	71.633	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	378	Below Cal	#	24
95) Naphthalene	15.635	128	1785	0.204	ug/l #	79

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

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QLast Update : Thu Oct 31 18:45:38 2024
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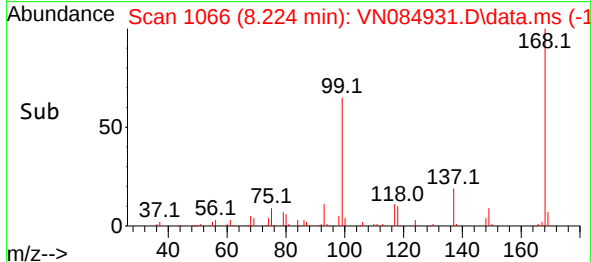
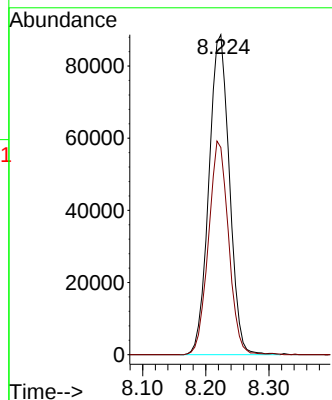
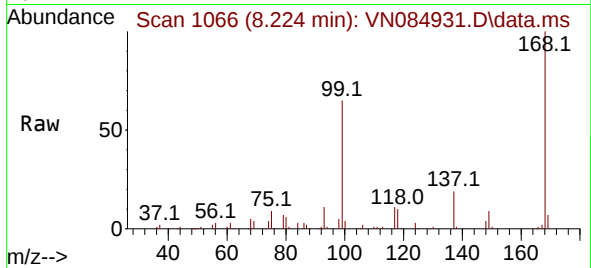




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

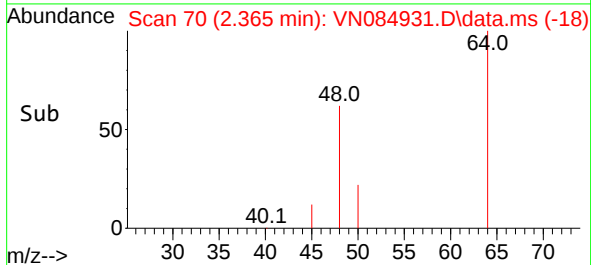
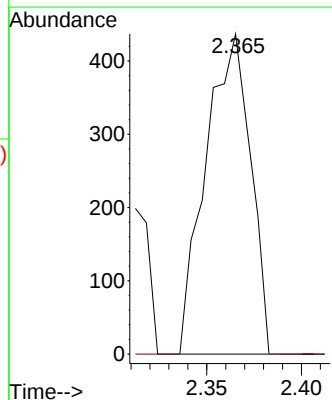
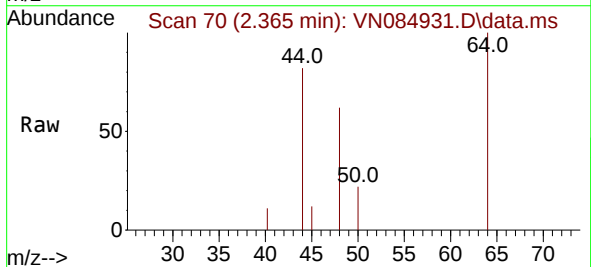
Instrument :
MSVOA_N
ClientSampleId :

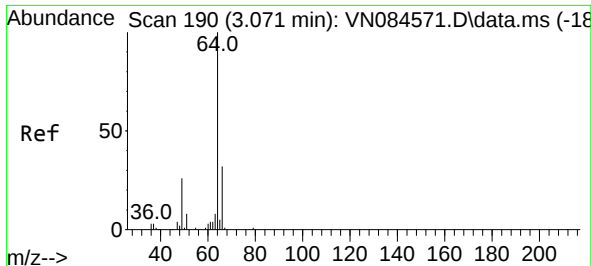
Tgt Ion:168 Resp: 199882
Ion Ratio Lower Upper
168 100
99 64.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

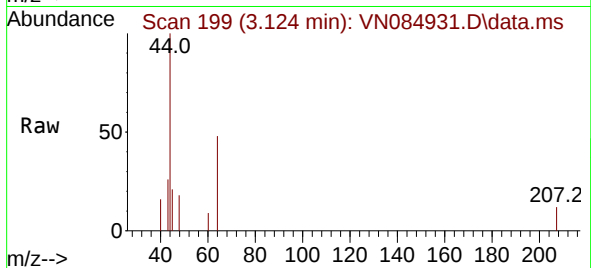
Tgt Ion: 50 Resp: 718
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



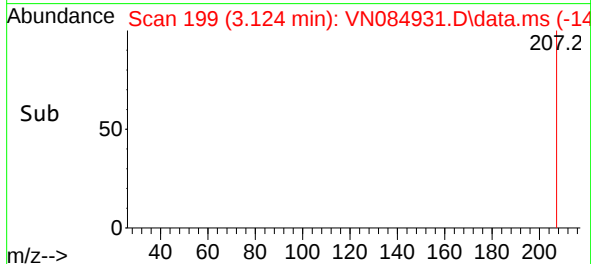
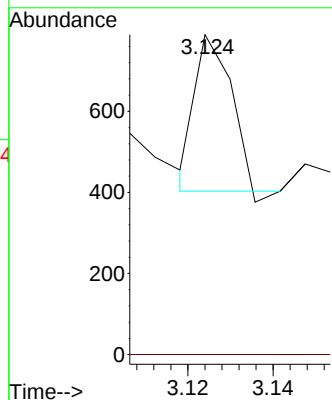


#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 190
Delta R.T. 0.006 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :

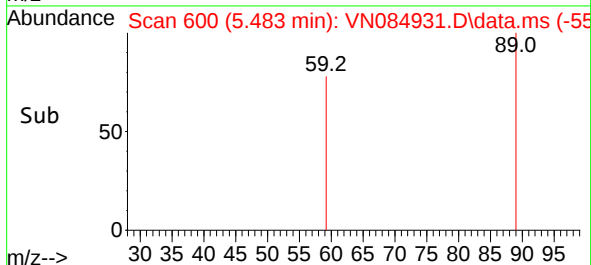
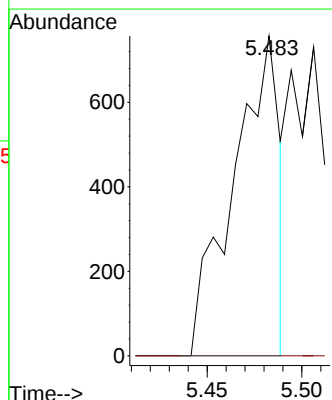
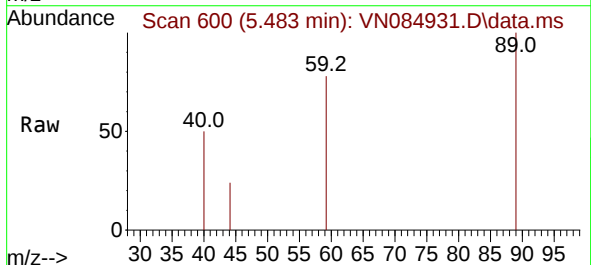


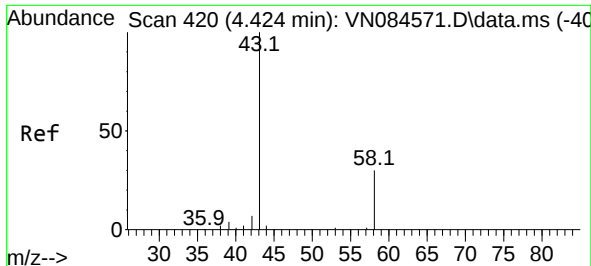
Tgt Ion: 64 Resp: 224
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 3.364 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

Tgt Ion: 59 Resp: 1282
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

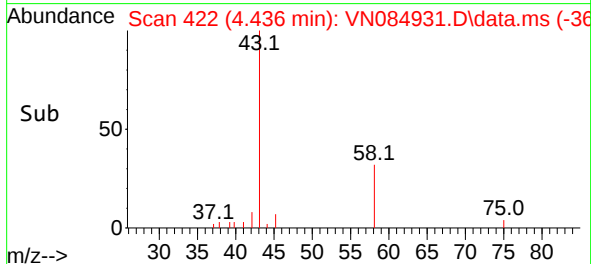
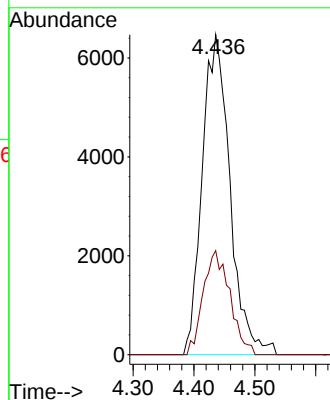
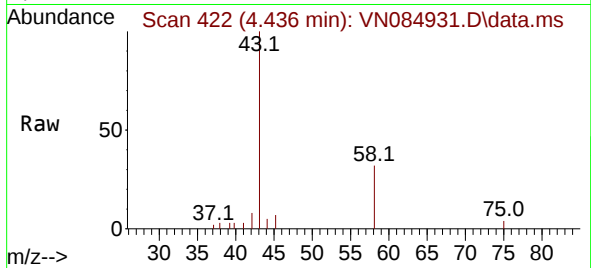




#16
Acetone
Concen: 21.984 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

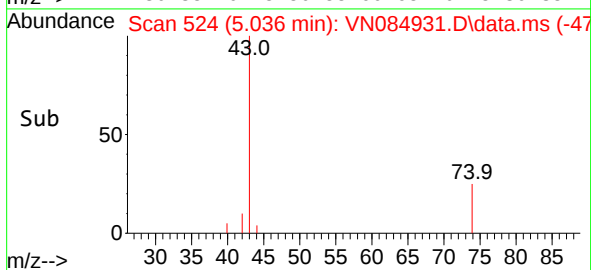
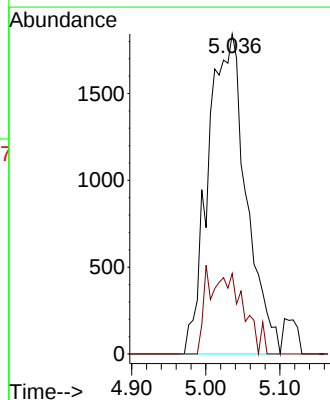
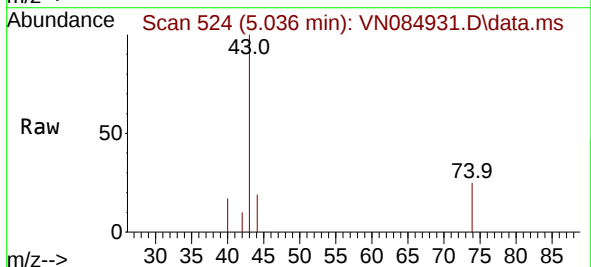
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 20503
Ion Ratio Lower Upper
43 100
58 32.5 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

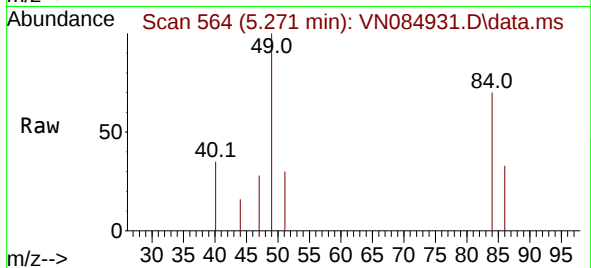
Tgt Ion: 43 Resp: 6565
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



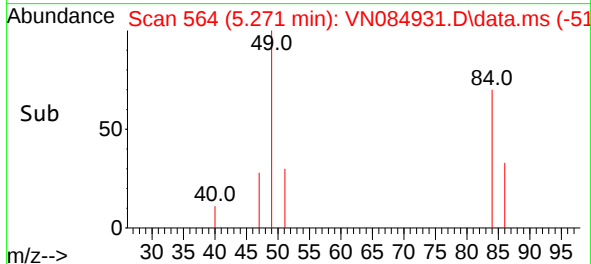
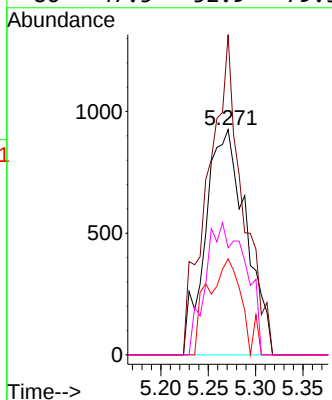


#20
Methylene Chloride
Concen: 1.089 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :

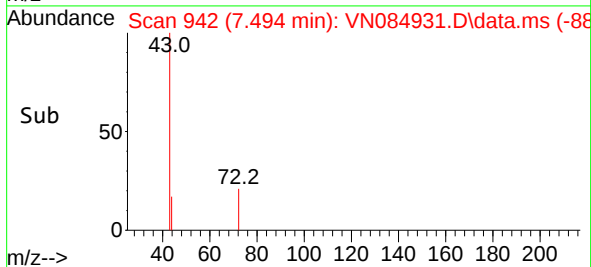
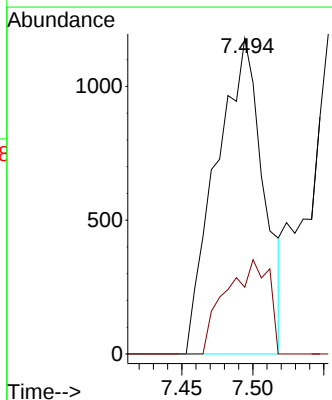
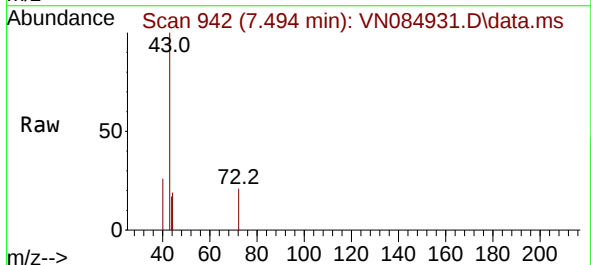


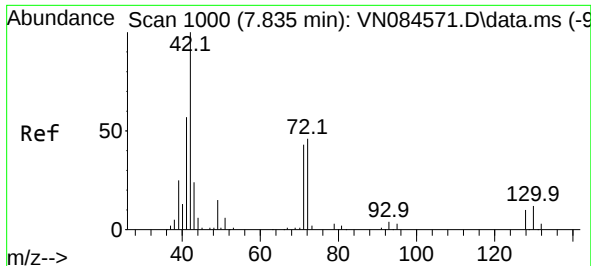
Tgt Ion:	84	Resp:	2764
Ion	Ratio	Lower	Upper
84	100		
49	142.1	107.2	160.8
51	42.5	31.8	47.8
86	47.5	52.9	79.3



#25
2-Butanone
Concen: 2.033 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

Tgt Ion:	43	Resp:	2738
Ion	Ratio	Lower	Upper
43	100		
72	21.1	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.753 ug/l

RT: 7.853 min Scan# 1065

Delta R.T. 0.018 min

Lab File: VN084931.D

Acq: 18 Nov 2024 19:40

Instrument :

MSVOA_N

ClientSampleId :

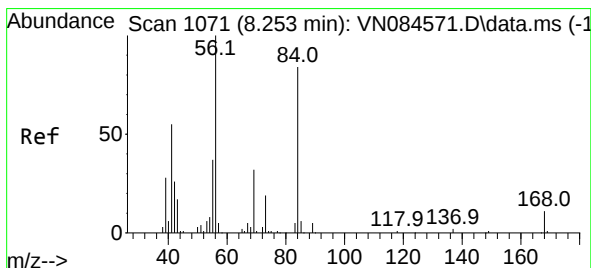
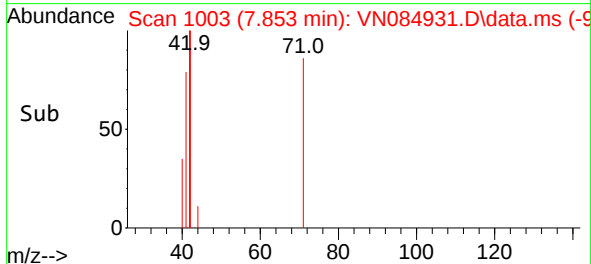
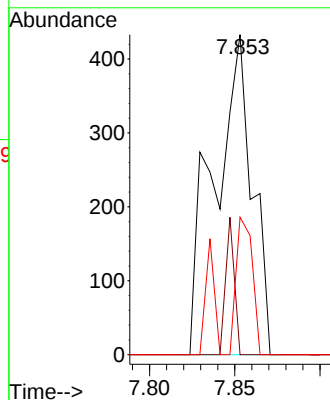
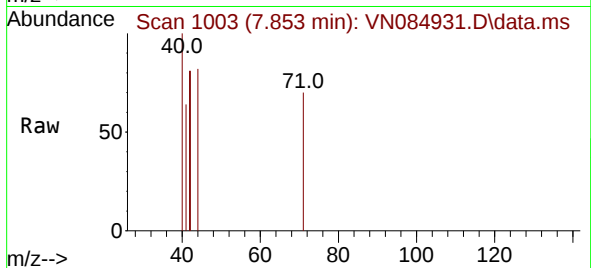
Tgt Ion: 42 Resp: 673

Ion Ratio Lower Upper

42 100

72 9.8 34.6 51.8#

71 18.1 32.2 48.4#



#31

Cyclohexane

Concen: 1.131 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN084931.D

Acq: 18 Nov 2024 19:40

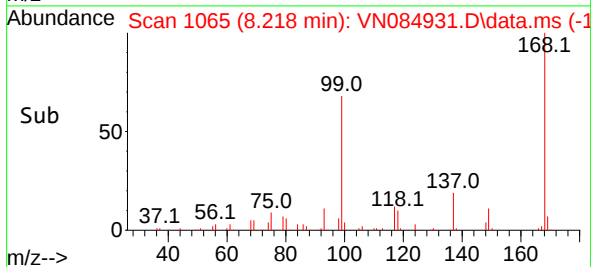
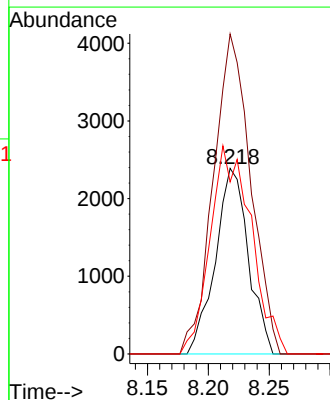
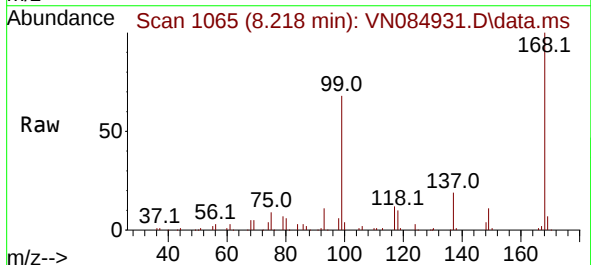
Tgt Ion: 56 Resp: 4508

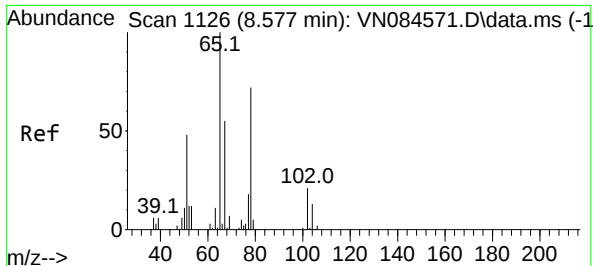
Ion Ratio Lower Upper

56 100

69 172.5 23.8 35.6#

84 92.7 68.8 103.2





#33

1,2-Dichloroethane-d4

Concen: 50.104 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084931.D

Acq: 18 Nov 2024 19:40

Instrument :

MSVOA_N

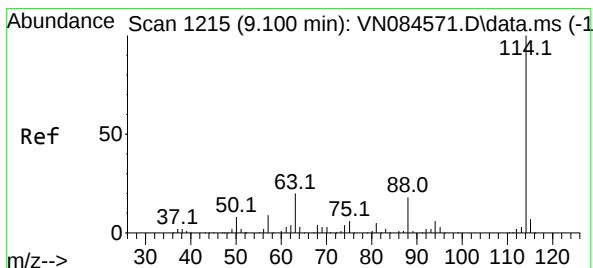
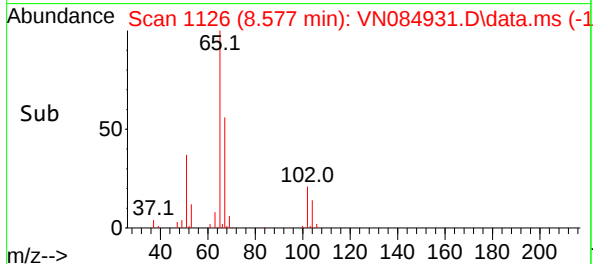
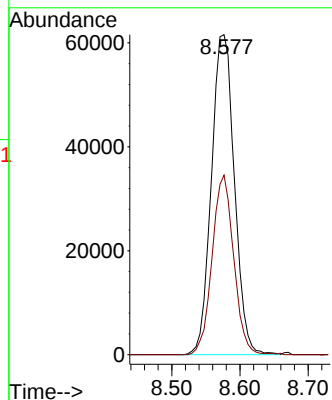
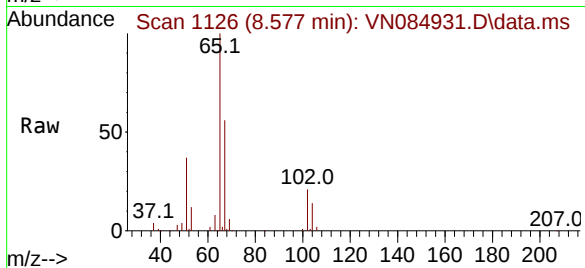
ClientSampleId :

Tgt Ion: 65 Resp: 144649

Ion Ratio Lower Upper

65 100

67 52.7 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: VN084931.D

Acq: 18 Nov 2024 19:40

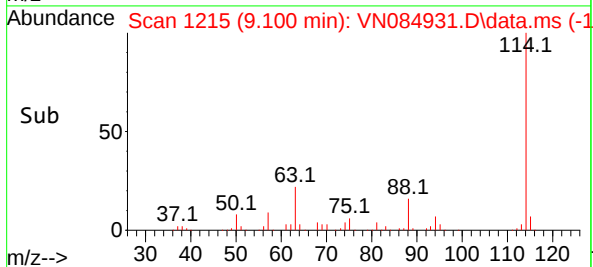
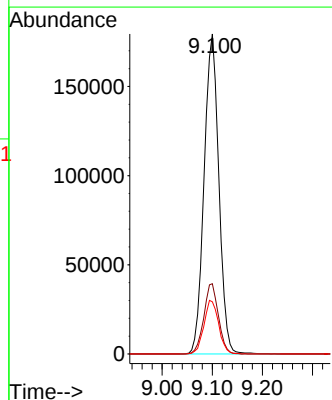
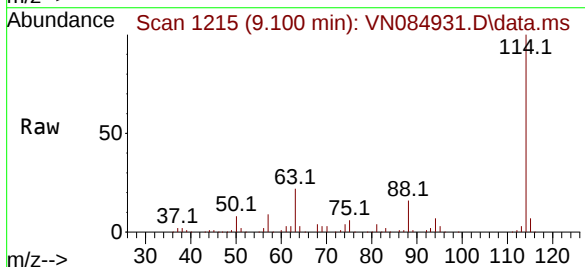
Tgt Ion: 114 Resp: 366646

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

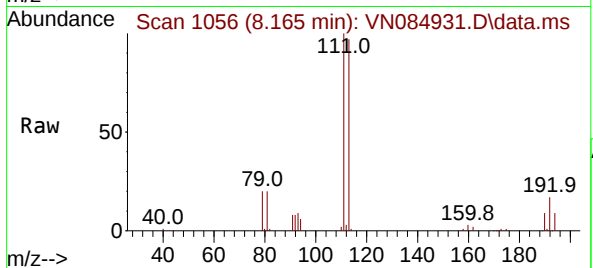
88 16.3 0.0 31.6



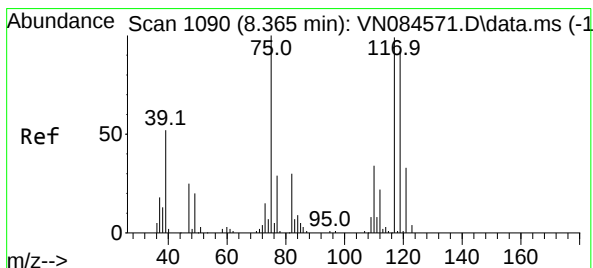
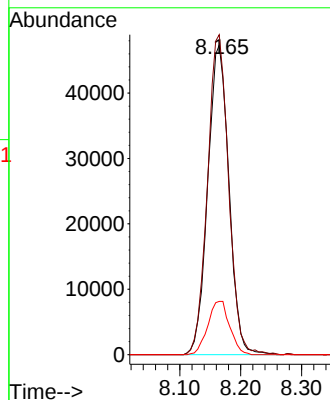
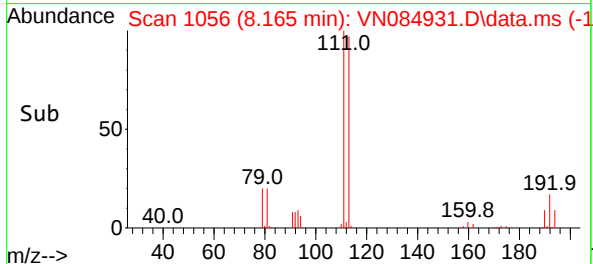


#35
Dibromofluoromethane
Concen: 46.124 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :

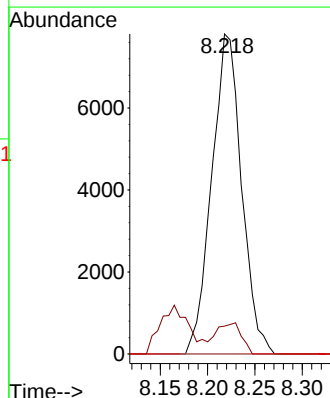
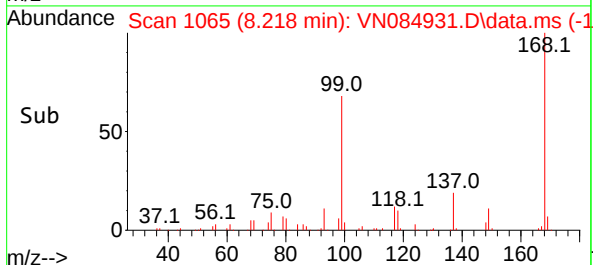
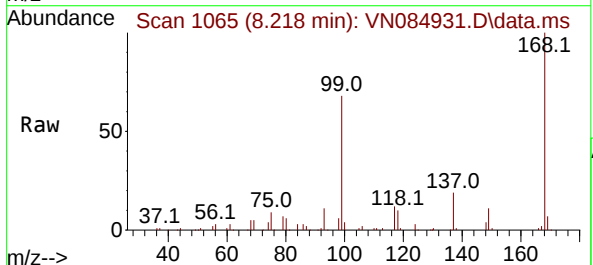


Tgt Ion:113 Resp: 114469
Ion Ratio Lower Upper
113 100
111 103.2 83.3 124.9
192 17.8 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.968 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

Tgt Ion: 75 Resp: 17099
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.065 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

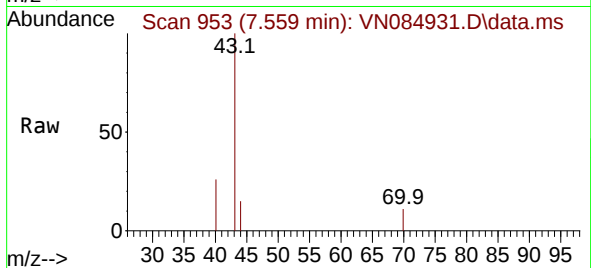
Lab File: VN084931.D

Acq: 18 Nov 2024 19:40

Instrument :

MSVOA_N

ClientSampleId :



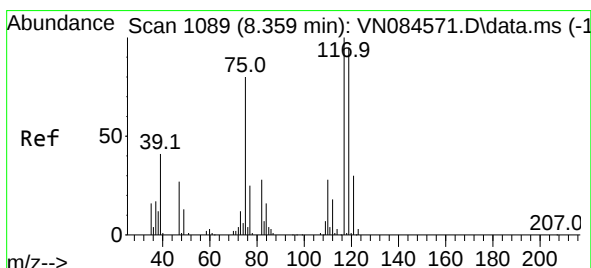
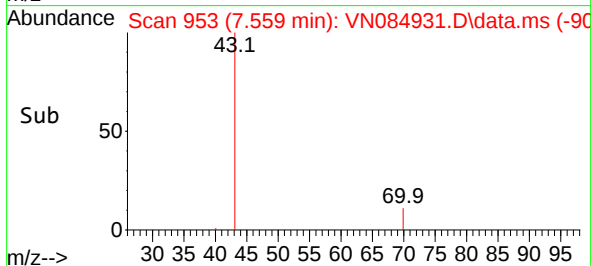
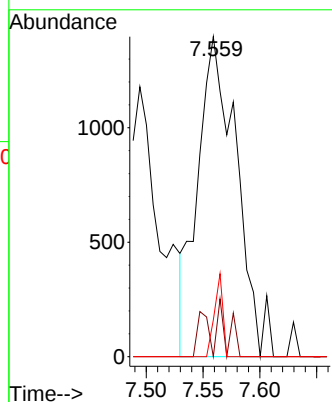
Tgt Ion: 43 Resp: 3327

Ion Ratio Lower Upper

43 100

61 4.7 10.7 16.1#

70 5.6 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.774 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084931.D

Acq: 18 Nov 2024 19:40

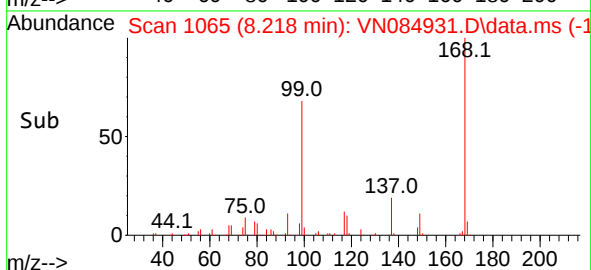
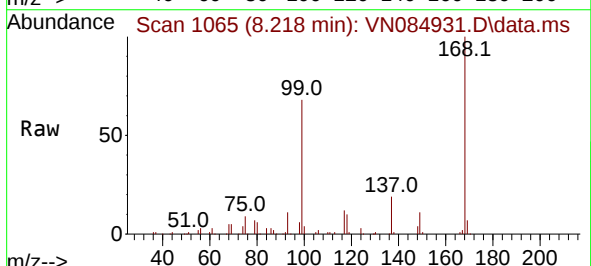
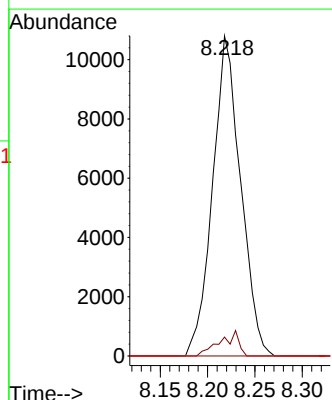
Tgt Ion: 117 Resp: 22215

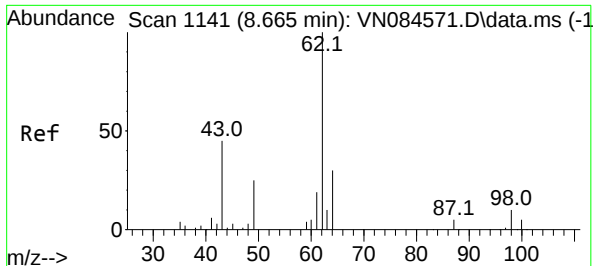
Ion Ratio Lower Upper

117 100

119 5.9 78.7 118.1#

121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.275 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN084931.D

Acq: 18 Nov 2024 19:40

Instrument :

MSVOA_N

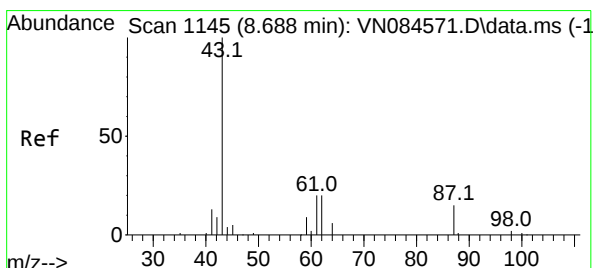
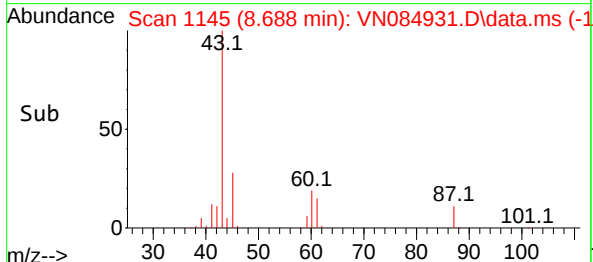
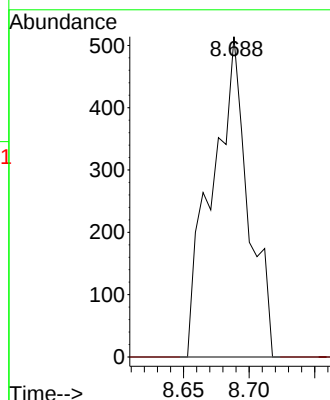
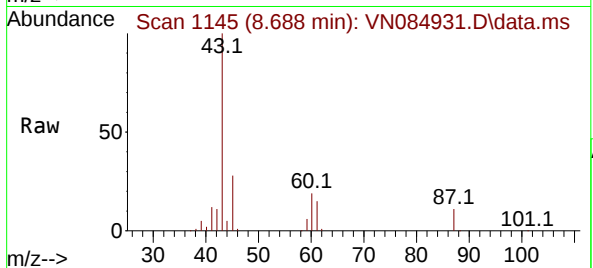
ClientSampleId :

Tgt Ion: 62 Resp: 984

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 54.305 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084931.D

Acq: 18 Nov 2024 19:40

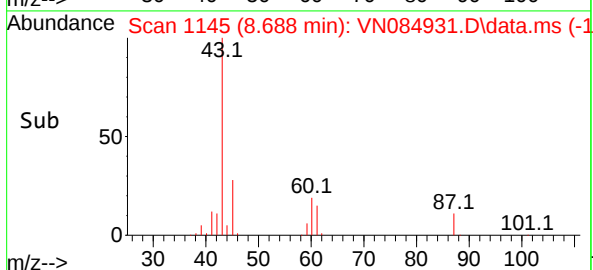
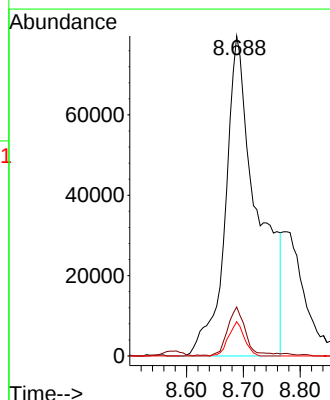
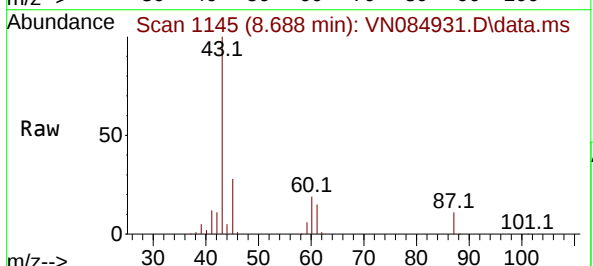
Tgt Ion: 43 Resp: 312815

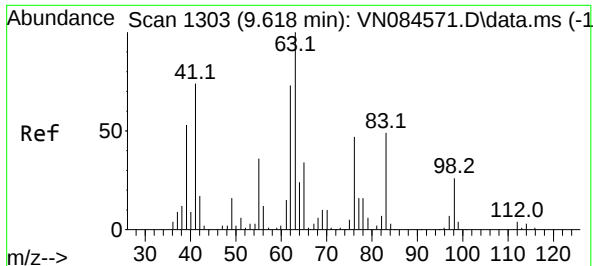
Ion Ratio Lower Upper

43 100

61 8.5 20.4 30.6#

87 5.3 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.587 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN084931.D

Acq: 18 Nov 2024 19:40

Instrument :

MSVOA_N

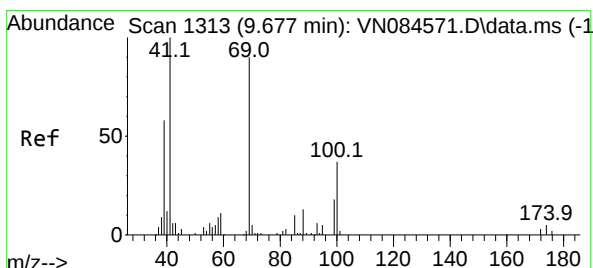
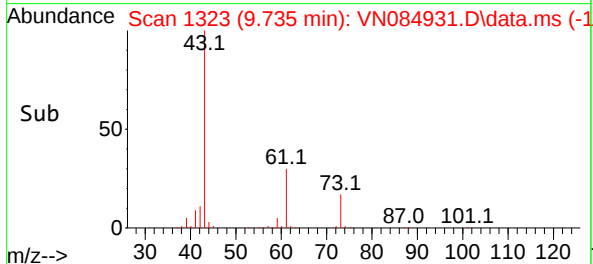
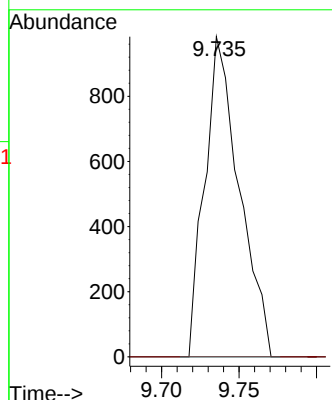
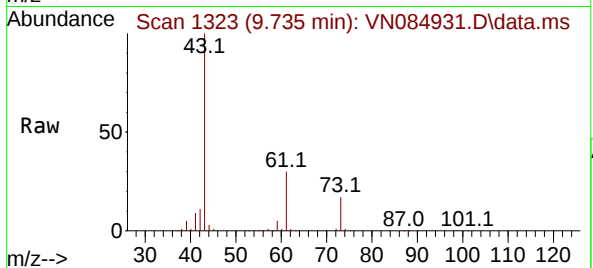
ClientSampleId :

Tgt Ion: 63 Resp: 1522

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.376 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN084931.D

Acq: 18 Nov 2024 19:40

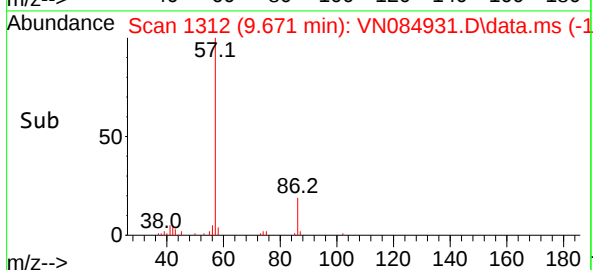
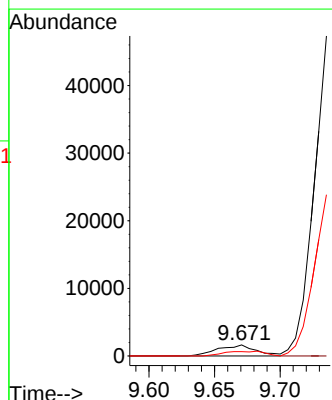
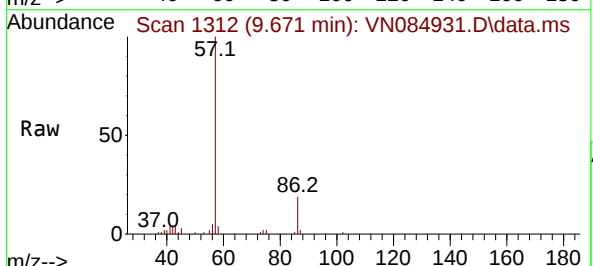
Tgt Ion: 41 Resp: 3344

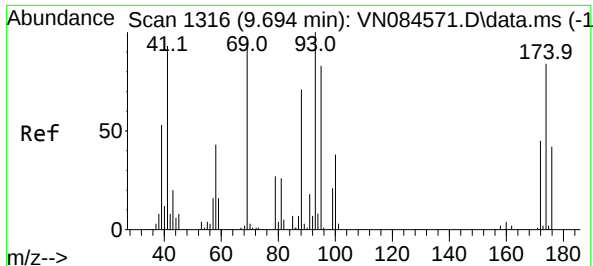
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 44.2 45.8 68.6#





#49

1,4-Dioxane

Concen: 1.811 ug/l

RT: 9.735 min Scan# 1316

Delta R.T. 0.041 min

Lab File: VN084931.D

Acq: 18 Nov 2024 19:40

Instrument :

MSVOA_N

ClientSampleId :

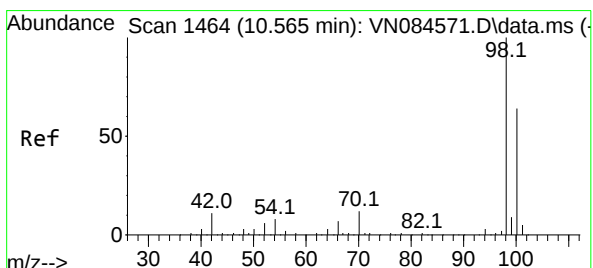
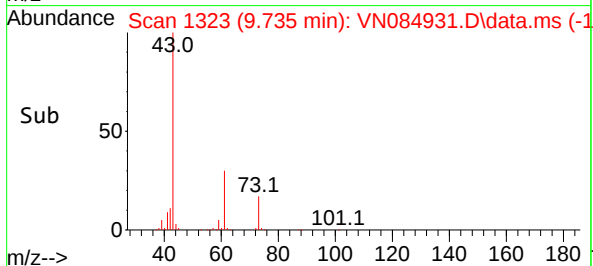
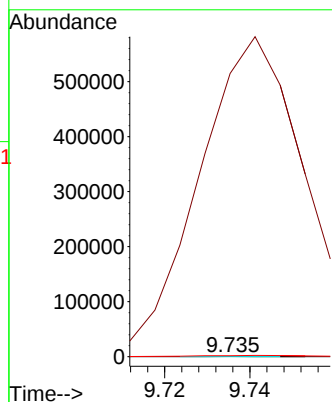
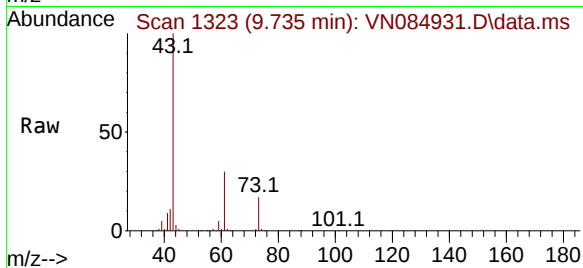
Tgt Ion: 88 Resp: 78

Ion Ratio Lower Upper

88 100

43 1318846.2 25.3 37.9#

58 5989.7 56.4 84.6#



#50

Toluene-d8

Concen: 47.732 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084931.D

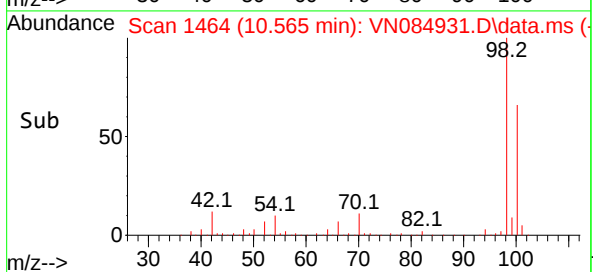
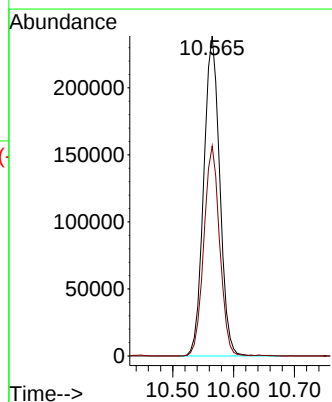
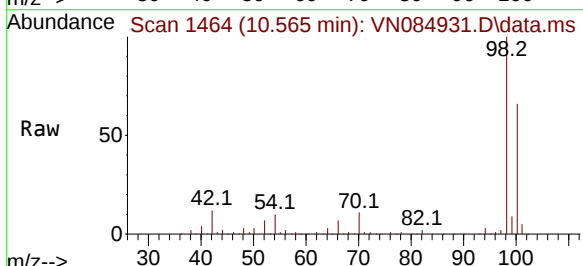
Acq: 18 Nov 2024 19:40

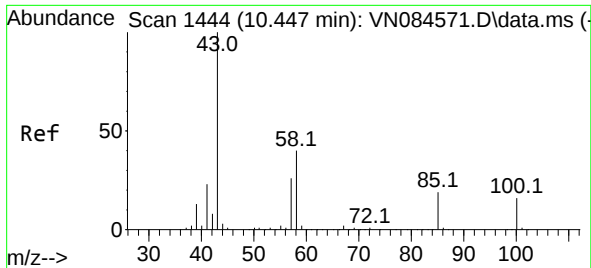
Tgt Ion: 98 Resp: 436364

Ion Ratio Lower Upper

98 100

100 64.7 52.7 79.1

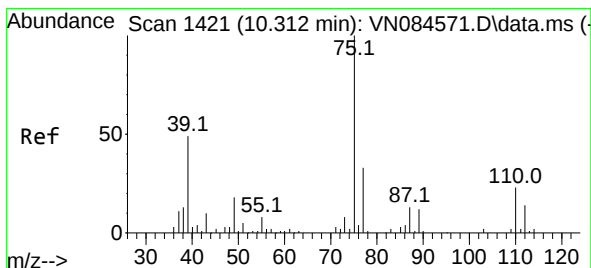
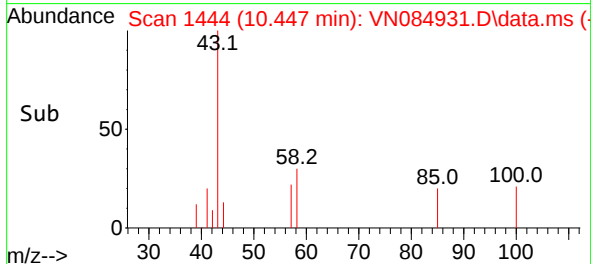
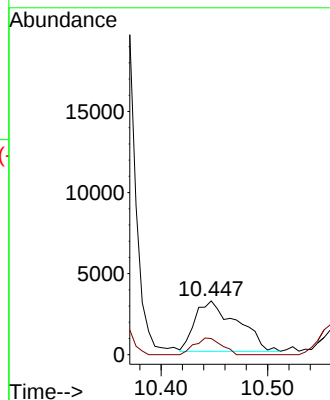
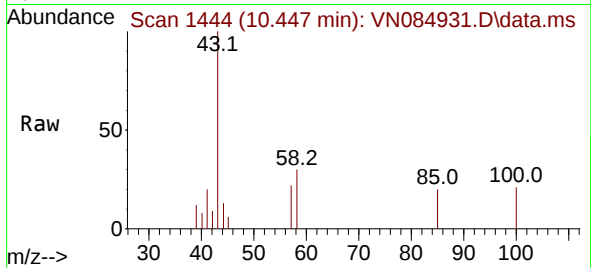




#51
4-Methyl-2-Pentanone
Concen: 2.888 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

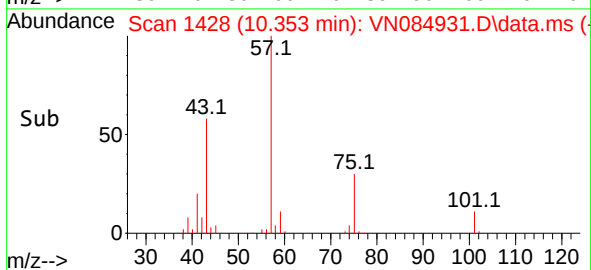
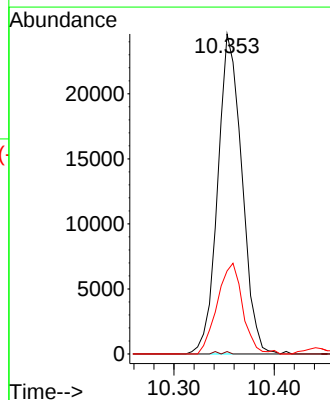
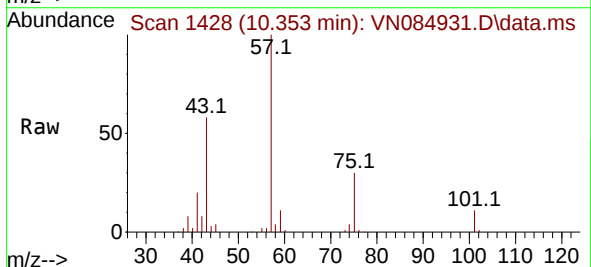
Instrument :
MSVOA_N
ClientSampleId :

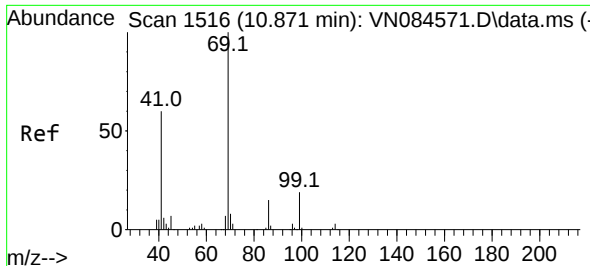
Tgt Ion: 43 Resp: 8598
Ion Ratio Lower Upper
43 100
58 21.0 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 9.731 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

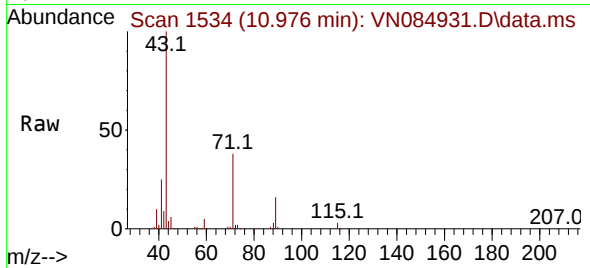
Tgt Ion: 75 Resp: 41116
Ion Ratio Lower Upper
75 100
77 0.8 24.2 36.2#
39 26.0 38.7 58.1#



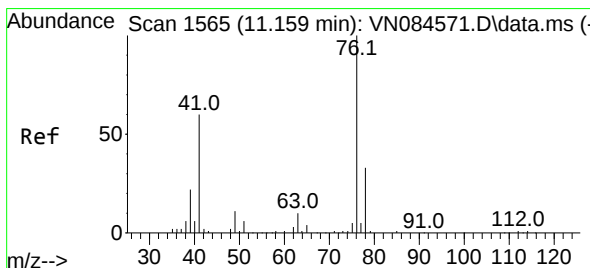
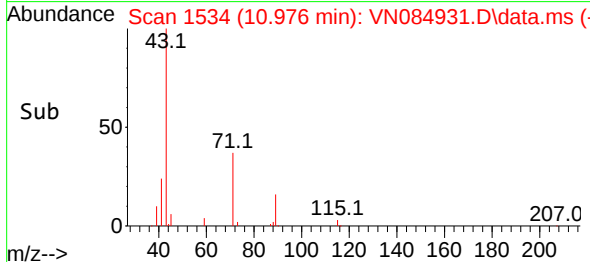
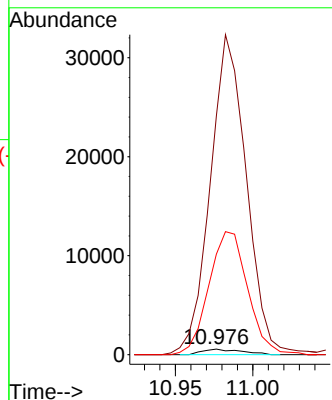


#56
Ethyl methacrylate
Concen: 0.282 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

Instrument :
MSVOA_N
ClientSampleId :

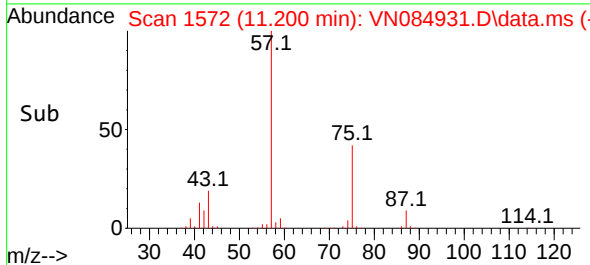
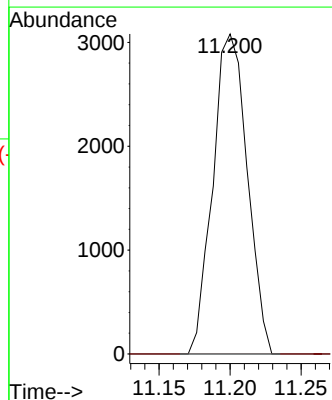
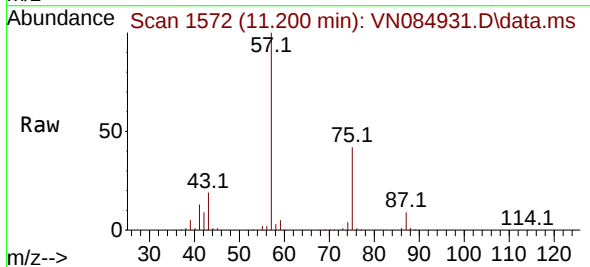


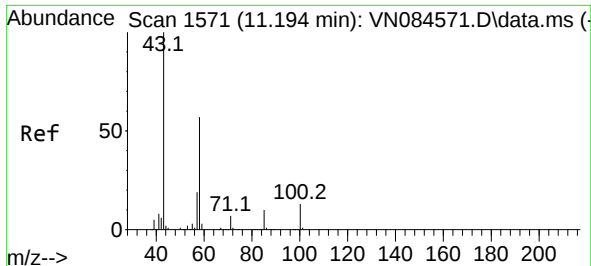
Tgt Ion: 69 Resp: 994
Ion Ratio Lower Upper
69 100
41 5293.0 53.3 79.9#
39 2177.6 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.243 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

Tgt Ion: 76 Resp: 5195
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

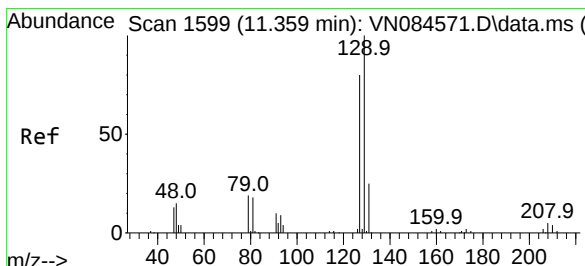
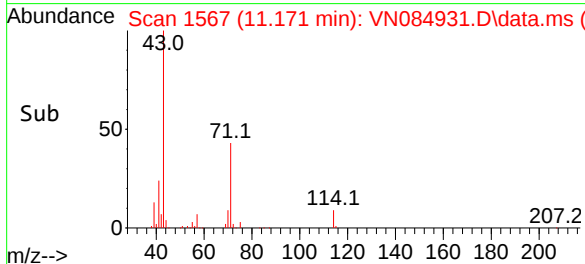
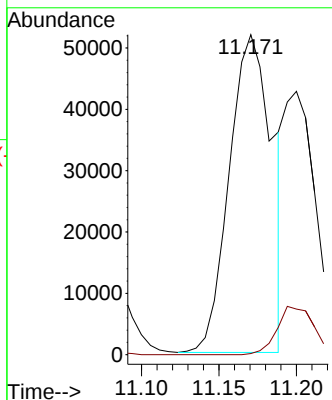
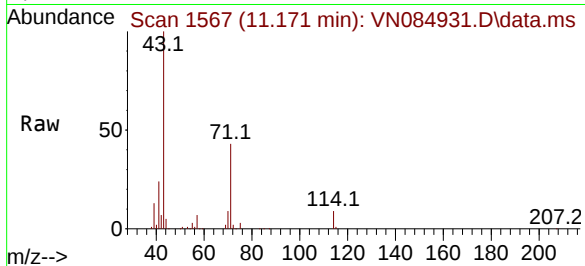




#59
2-Hexanone
Concen: 46.098 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

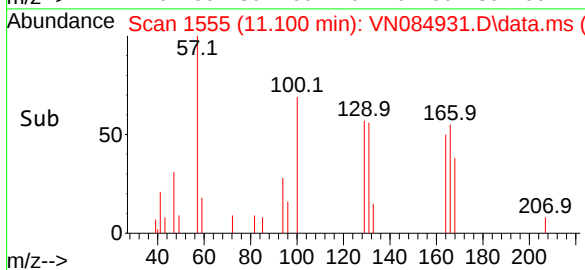
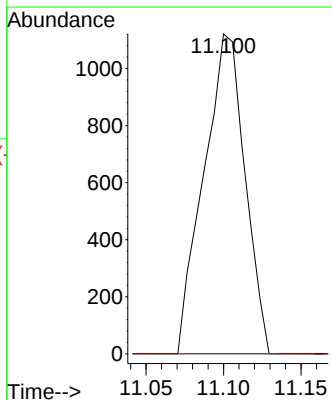
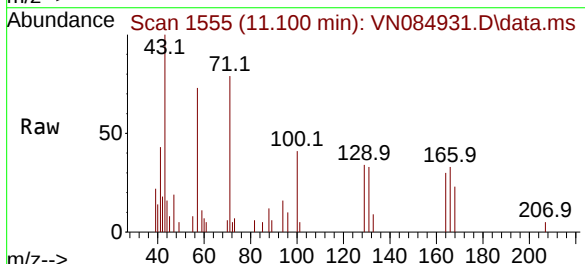
Instrument :
MSVOA_N
ClientSampleId :

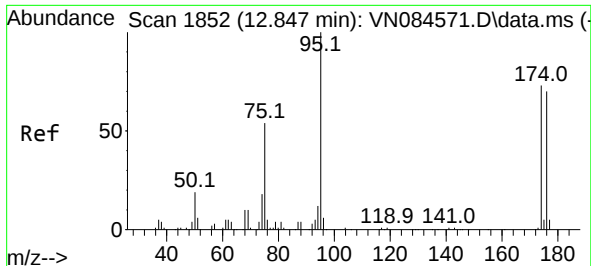
Tgt Ion: 43 Resp: 99890
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#60
Dibromochloromethane
Concen: 0.745 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

Tgt Ion:129 Resp: 2068
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#

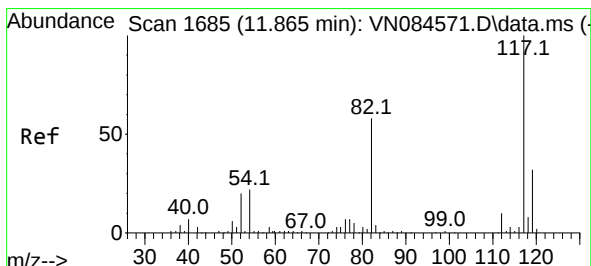
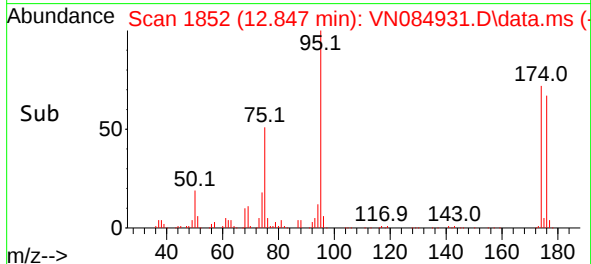
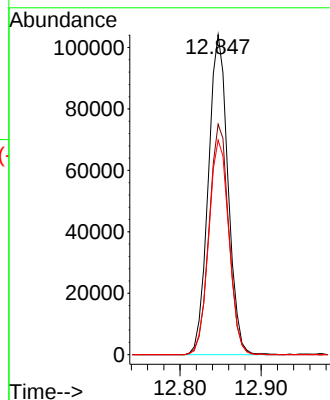
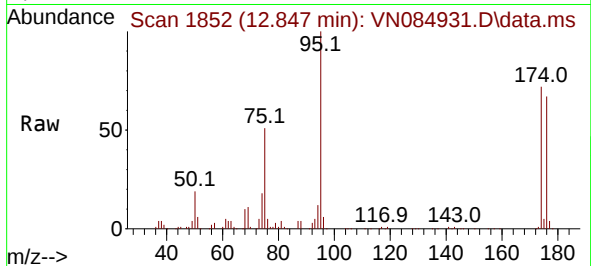




#62
4-Bromofluorobenzene
Concen: 51.271 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

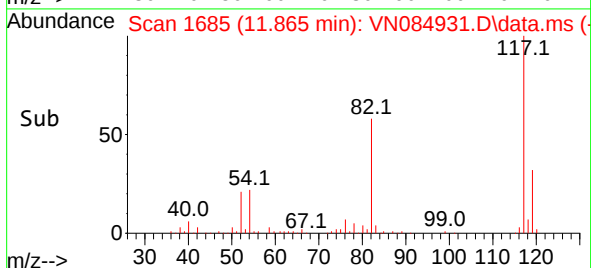
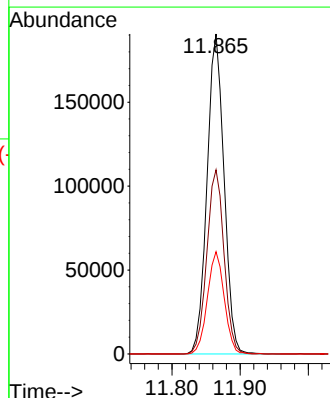
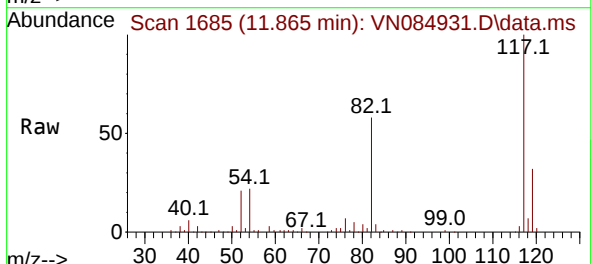
Instrument :
MSVOA_N
ClientSampleId :

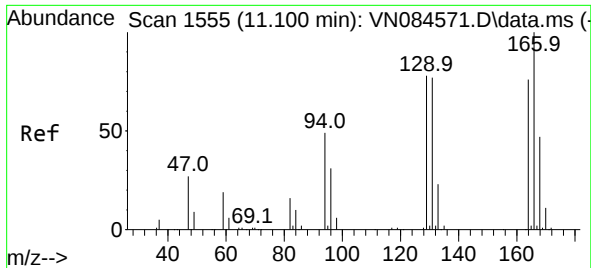
Tgt Ion: 95 Resp: 175176
Ion Ratio Lower Upper
95 100
174 71.9 0.0 145.2
176 68.5 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

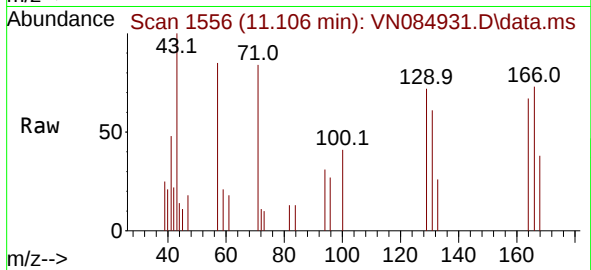
Tgt Ion: 117 Resp: 331118
Ion Ratio Lower Upper
117 100
82 57.6 47.2 70.8
119 32.0 25.4 38.0



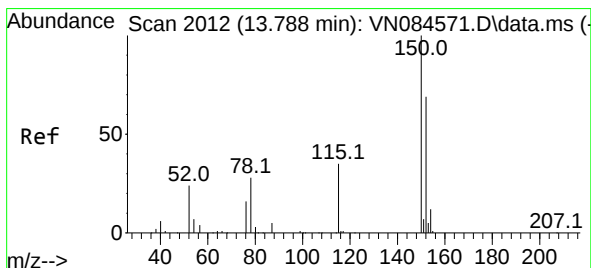
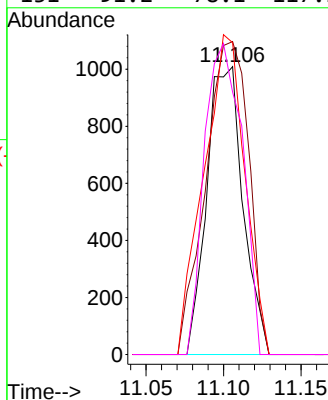
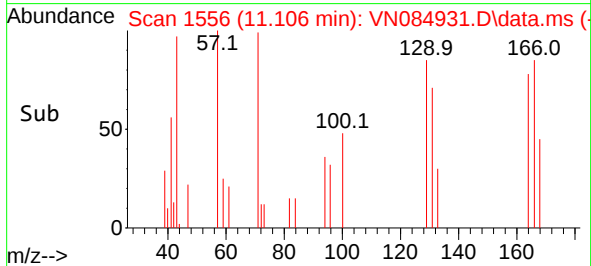


#64
Tetrachloroethene
Concen: 0.745 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

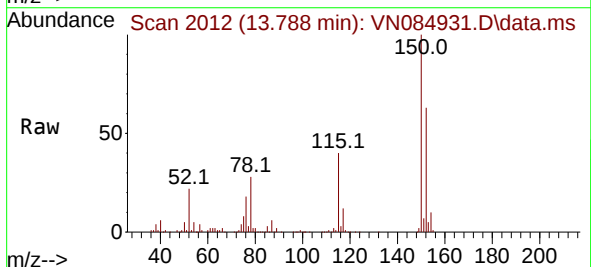
Instrument :
MSVOA_N
ClientSampleId :



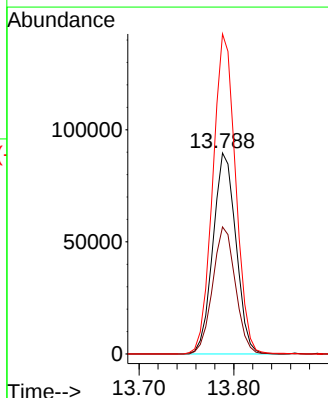
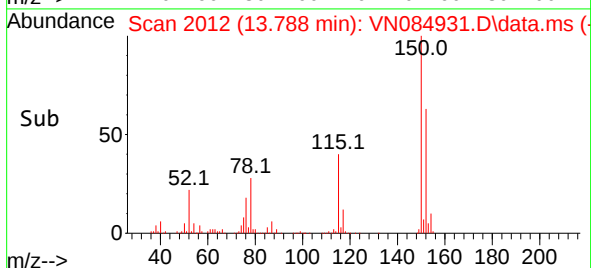
Tgt Ion:164 Resp: 1640
Ion Ratio Lower Upper
164 100
166 108.7 101.0 151.4
129 108.3 80.8 121.2
131 91.2 78.1 117.1

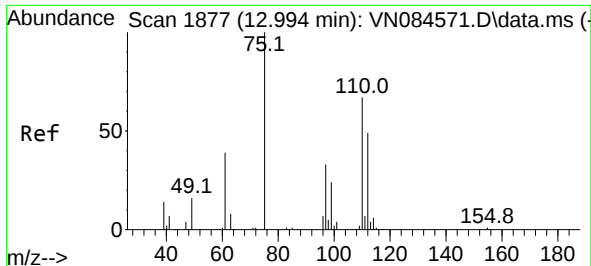


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40



Tgt Ion:152 Resp: 151145
Ion Ratio Lower Upper
152 100
115 62.6 31.3 93.9
150 158.1 0.0 349.8

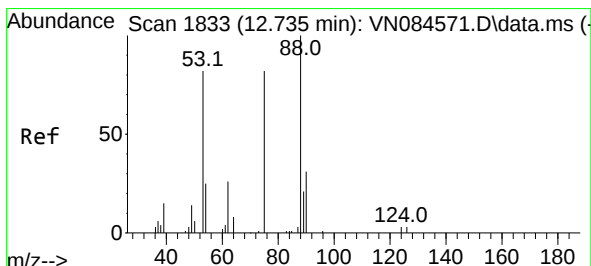
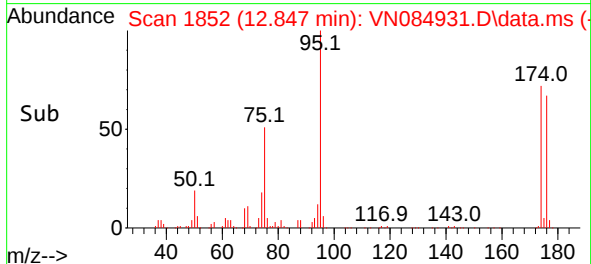
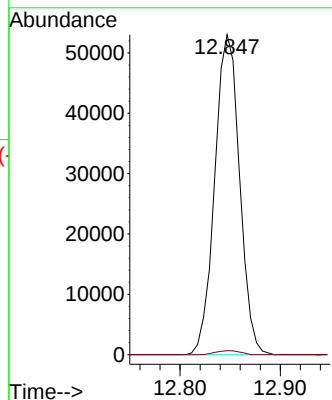
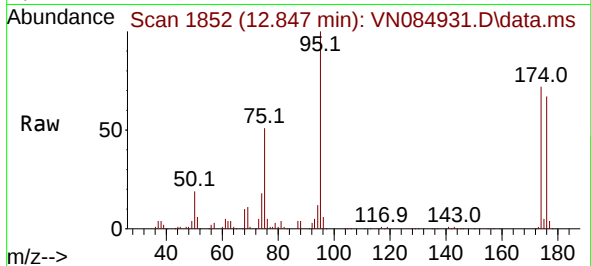




#76
1,2,3-Trichloropropane
Concen: 30.194 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

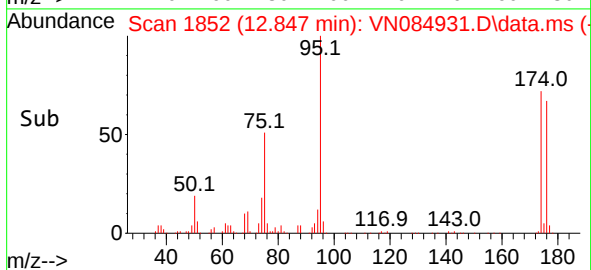
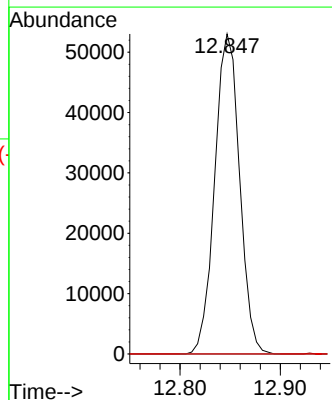
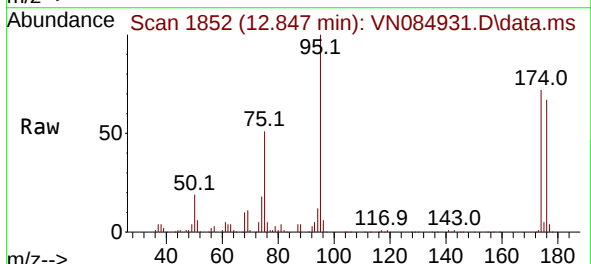
Instrument :
MSVOA_N
ClientSampleId :

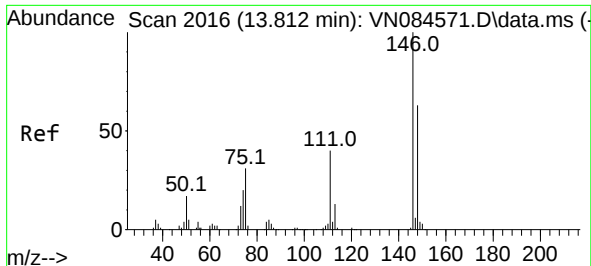
Tgt Ion: 75 Resp: 91226
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.633 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

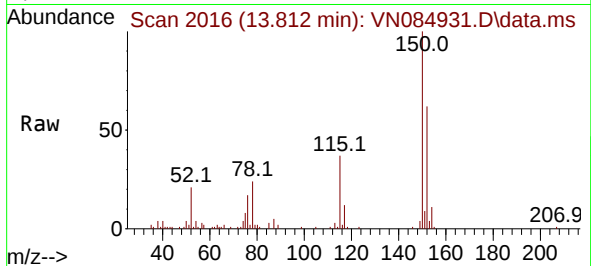
Tgt Ion: 75 Resp: 91226
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



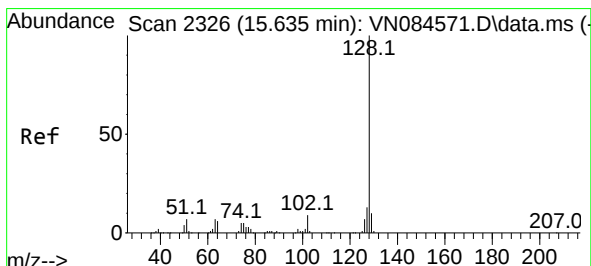
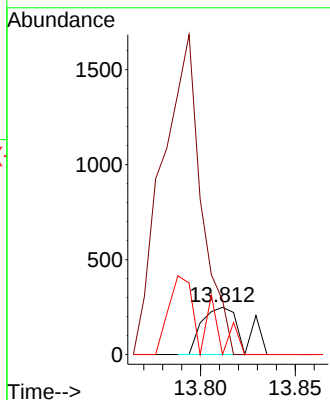
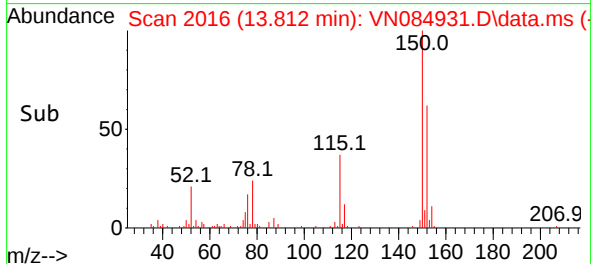


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40

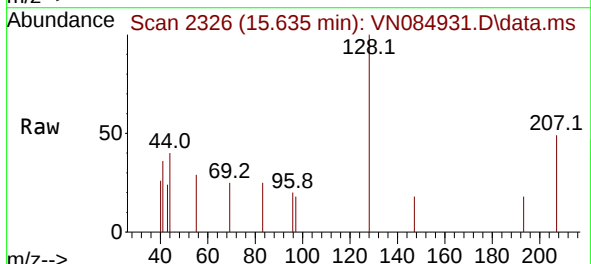
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:146 Resp: 378
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 0.0 31.9 95.9#



#95
Naphthalene
Concen: 0.204 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN084931.D
Acq: 18 Nov 2024 19:40



Tgt Ion:128 Resp: 1785
Ion Ratio Lower Upper
128 100
127 3.7 10.5 15.7#
129 3.9 8.7 13.1#

