

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111824\
 Data File : VN084913.D
 Acq On : 18 Nov 2024 12:27
 Operator : JC\MD
 Sample : VN1118WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:23:58 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)

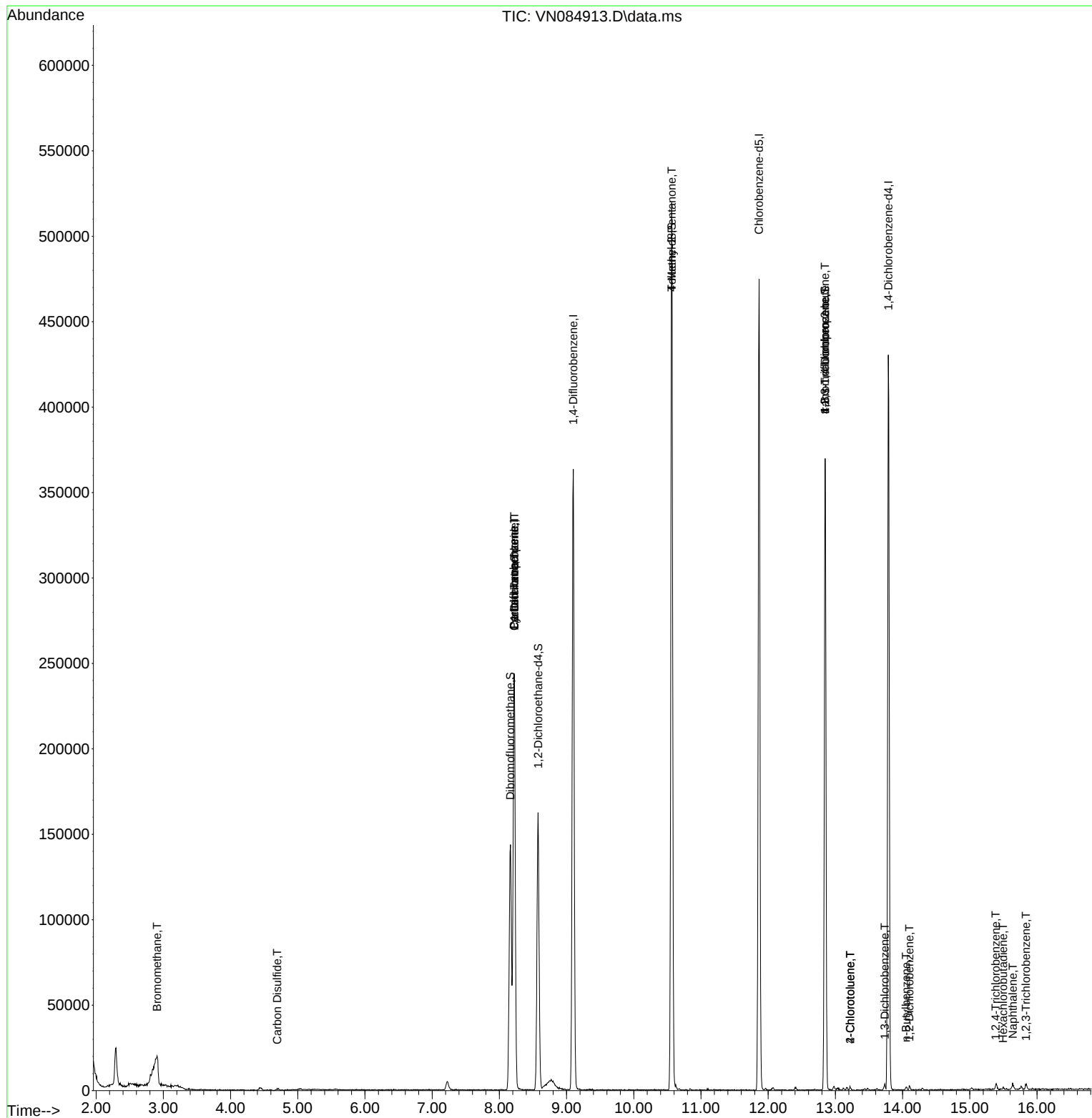
Internal Standards						
1) Pentafluorobenzene	8.218	168	175680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	312901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	269131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	132908	52.379	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.760%
35) Dibromofluoromethane	8.165	113	104958	49.556	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.120%
50) Toluene-d8	10.565	98	356712	45.721	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.440%
62) 4-Bromofluorobenzene	12.847	95	131717	45.173	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.340%
Target Compounds						
						Qvalue
3) Chloromethane	2.353	50	842	Below Cal	#	41
5) Bromomethane	2.906	94	346	0.301	ug/l #	65
6) Chloroethane	3.112	64	536	Below Cal	#	45
16) Acetone	4.453	43	56	Below Cal	#	44
17) Carbon Disulfide	4.694	76	1761	0.286	ug/l #	75
18) Methyl Acetate	5.024	43	1054	Below Cal	#	51
31) Cyclohexane	8.224	56	4248	1.213	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14494	4.934	ug/l #	50
38) Carbon Tetrachloride	8.224	117	18926	5.764	ug/l #	16
43) Isopropyl Acetate	8.682	43	1994	Below Cal	#	56
51) 4-Methyl-2-Pentanone	10.565	43	1570	0.618	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	68721	30.050	ug/l #	1
79) 2-Chlorotoluene	13.223	91	1612	0.263	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.847	75	68721	71.290	ug/l #	11
82) 4-Chlorotoluene	13.223	91	1612	0.250	ug/l	88
87) 1,3-Dichlorobenzene	13.735	146	1284	0.305	ug/l	92
88) 1,4-Dichlorobenzene	13.735	146	1284	Below Cal		91
89) n-Butylbenzene	14.053	91	1510	0.253	ug/l	94
91) 1,2-Dichlorobenzene	14.100	146	1175	0.291	ug/l	85
93) 1,2,4-Trichlorobenzene	15.388	180	1333	0.603	ug/l	94
94) Hexachlorobutadiene	15.494	225	450	0.463	ug/l #	62
95) Naphthalene	15.641	128	4495	0.679	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.835	180	1678	0.781	ug/l	79

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

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Sample : VN1118WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

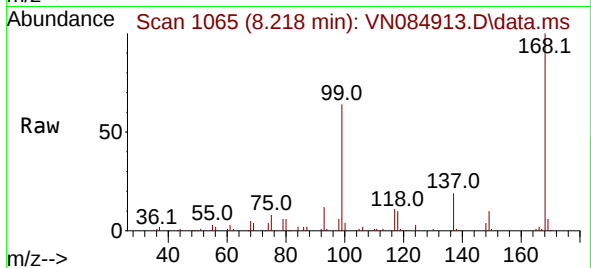
Quant Time: Nov 19 00:23:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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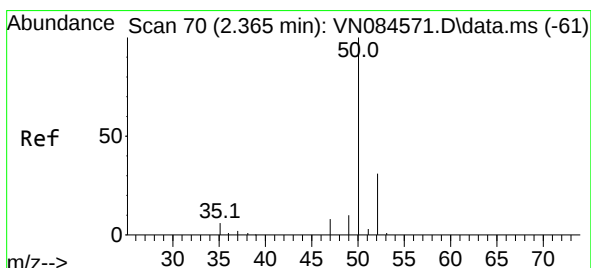
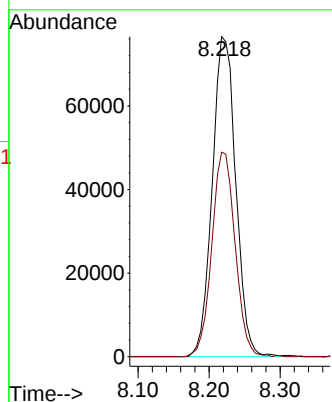
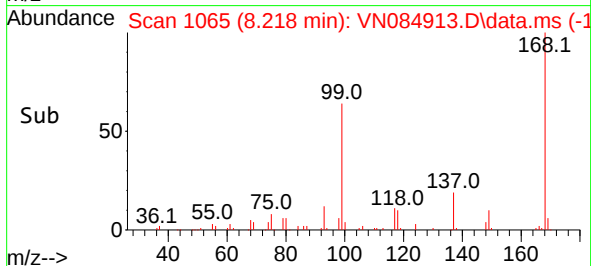


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :

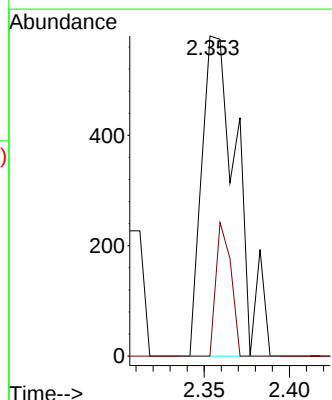
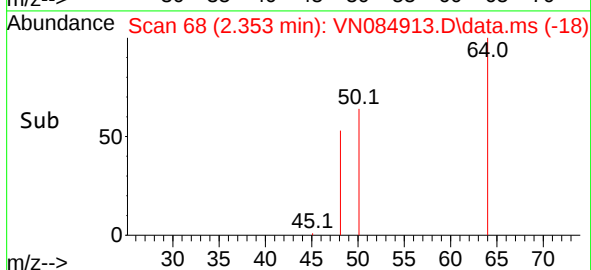
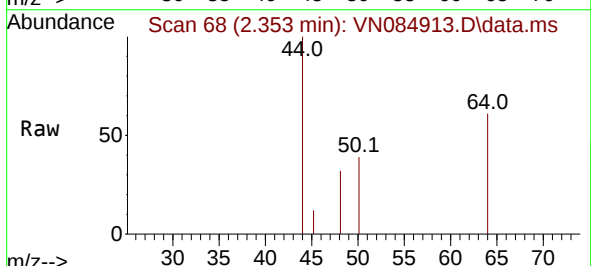


Tgt Ion:168 Resp: 175680
Ion Ratio Lower Upper
168 100
99 63.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

Tgt Ion: 50 Resp: 842
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

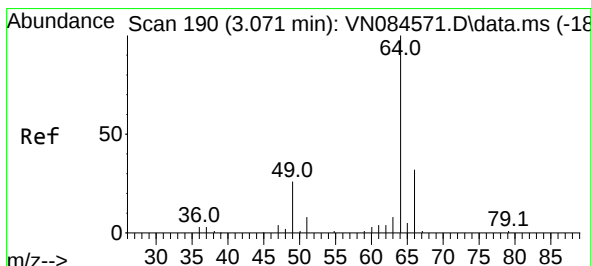
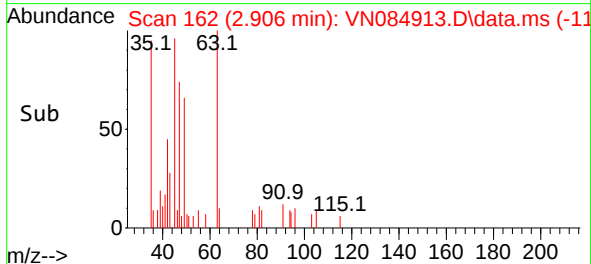
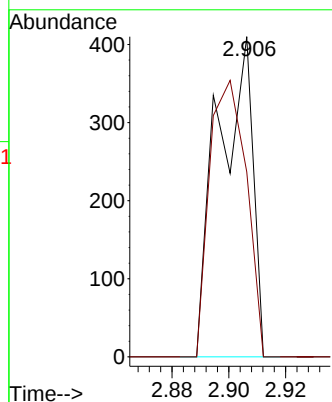
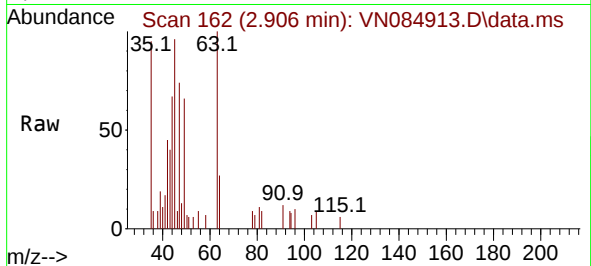




#5
Bromomethane
Concen: 0.301 ug/l
RT: 2.906 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

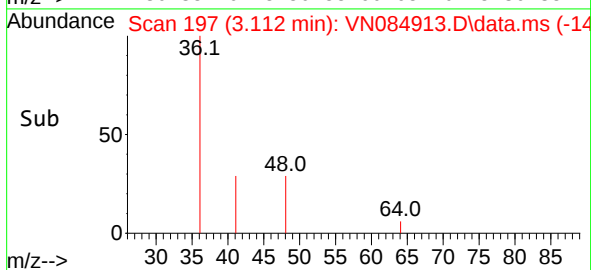
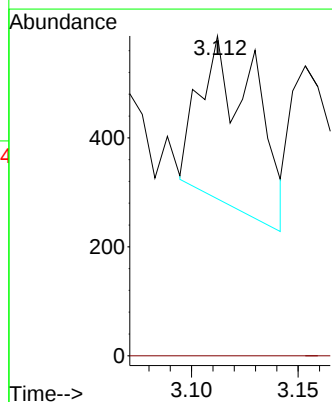
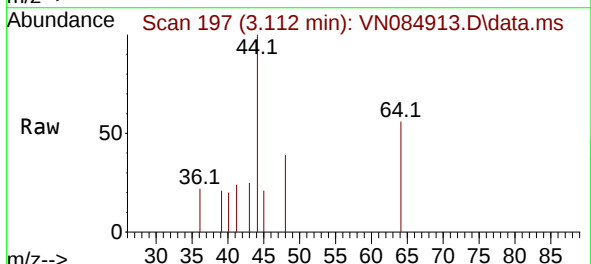
Instrument :
MSVOA_N
ClientSampleId :

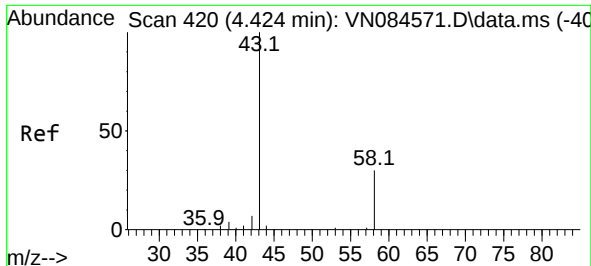
Tgt Ion: 94 Resp: 346
Ion Ratio Lower Upper
94 100
96 57.8 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

Tgt Ion: 64 Resp: 536
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#





#16

Acetone

Concen: Below Cal

RT: 4.453 min Scan# 41

Delta R.T. 0.029 min

Lab File: VN084913.D

Acq: 18 Nov 2024 12:27

Instrument :

MSVOA_N

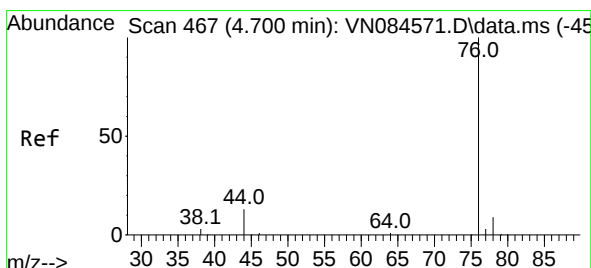
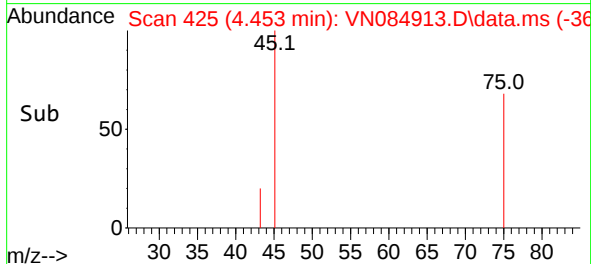
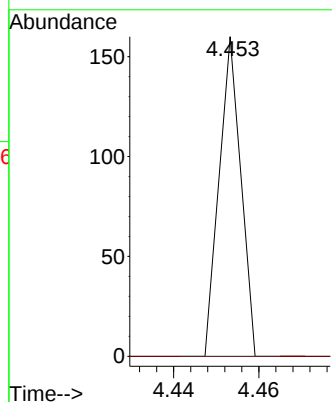
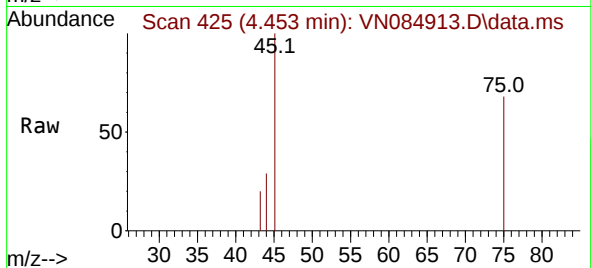
ClientSampleId :

Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



#17

Carbon Disulfide

Concen: 0.286 ug/l

RT: 4.694 min Scan# 466

Delta R.T. -0.018 min

Lab File: VN084913.D

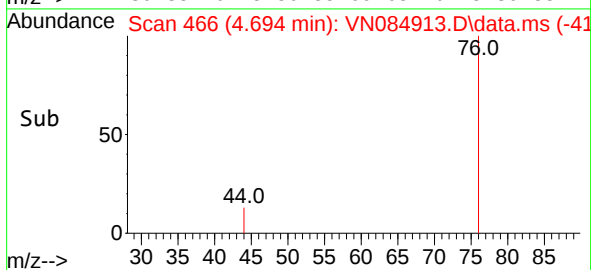
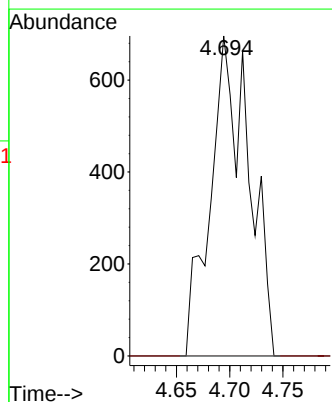
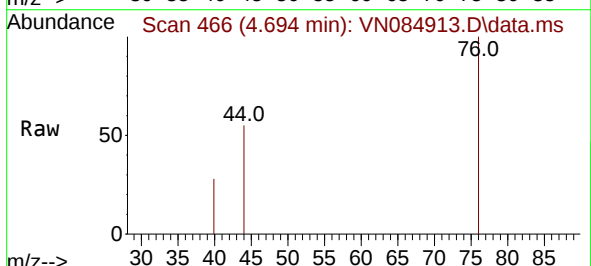
Acq: 18 Nov 2024 12:27

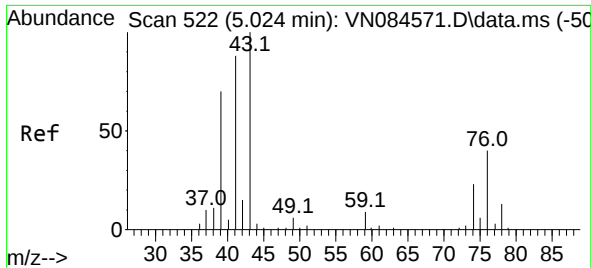
Tgt Ion: 76 Resp: 1761

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

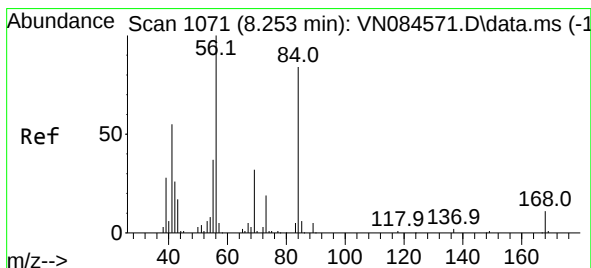
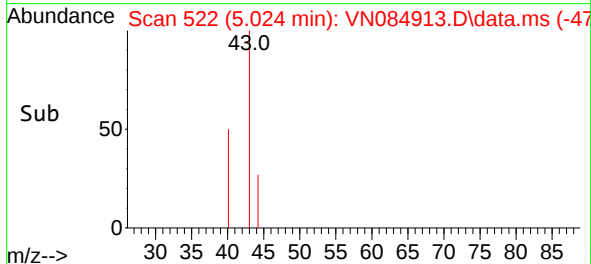
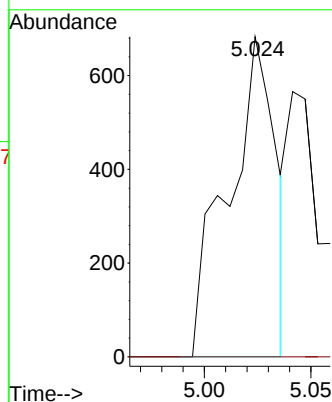
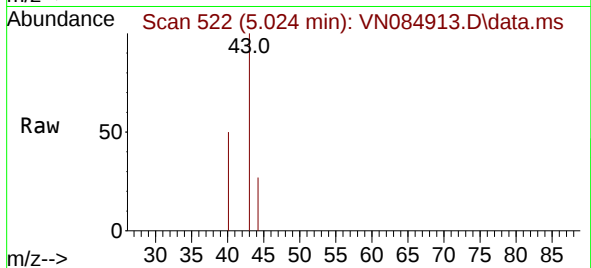




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

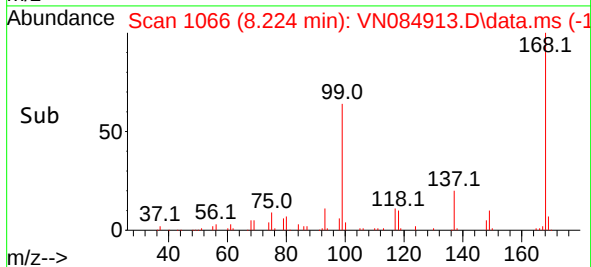
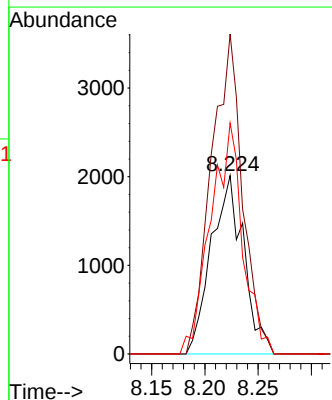
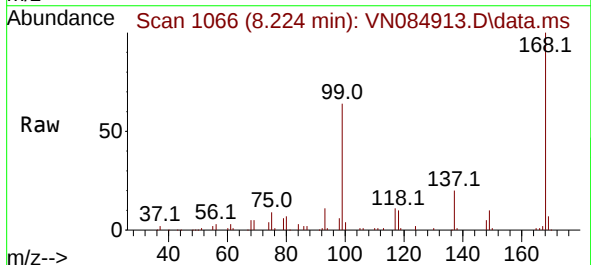
Instrument :
MSVOA_N
ClientSampleId :

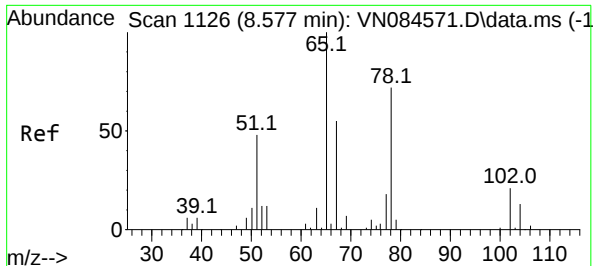
Tgt Ion: 43 Resp: 1054
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#31
Cyclohexane
Concen: 1.213 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

Tgt Ion: 56 Resp: 4248
Ion Ratio Lower Upper
56 100
69 179.4 23.8 35.6#
84 129.5 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 52.379 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.001 min

Lab File: VN084913.D

Acq: 18 Nov 2024 12:27

Instrument :

MSVOA_N

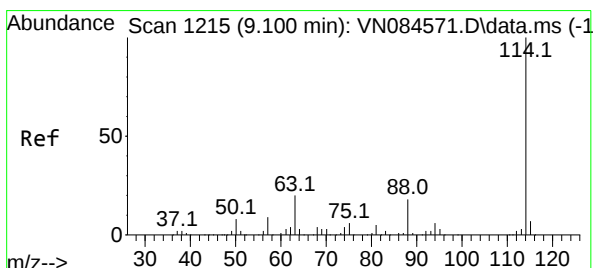
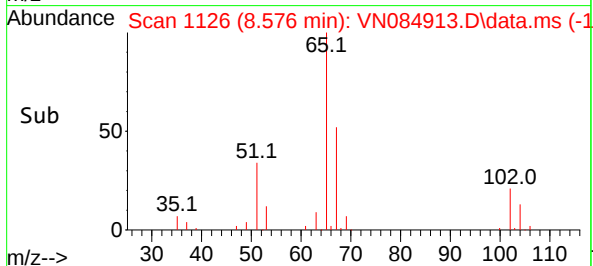
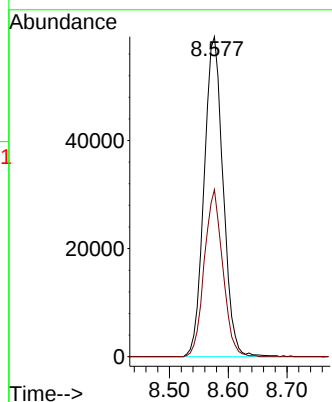
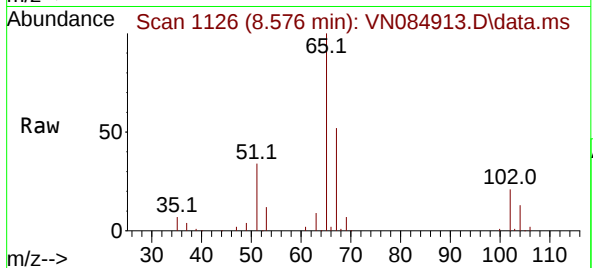
ClientSampleId :

Tgt Ion: 65 Resp: 132908

Ion Ratio Lower Upper

65 100

67 50.7 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: VN084913.D

Acq: 18 Nov 2024 12:27

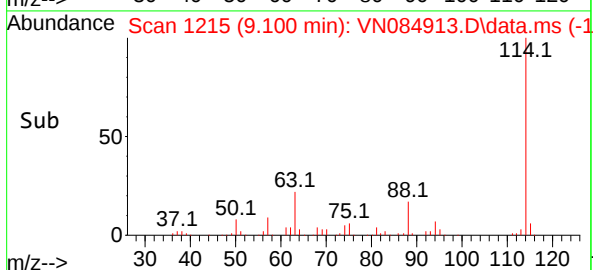
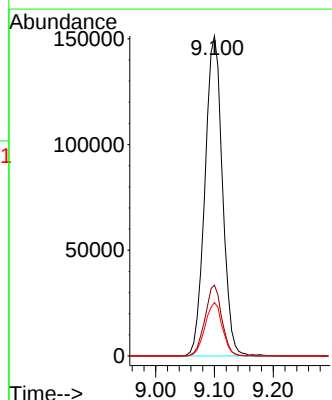
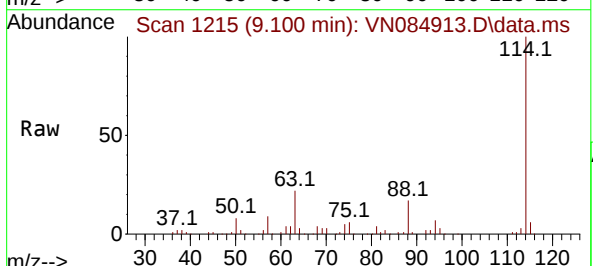
Tgt Ion: 114 Resp: 312901

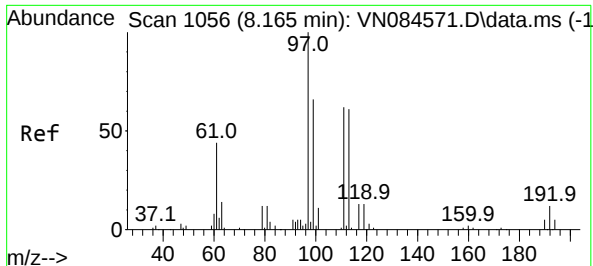
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

88 16.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.556 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

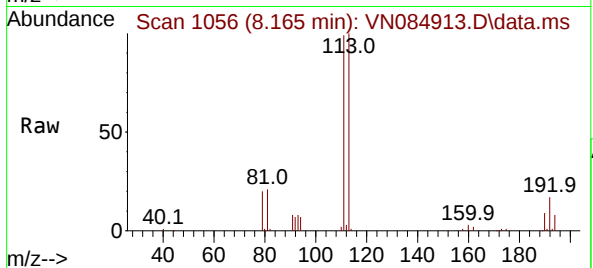
Lab File: VN084913.D

Acq: 18 Nov 2024 12:27

Instrument :

MSVOA_N

ClientSampleId :



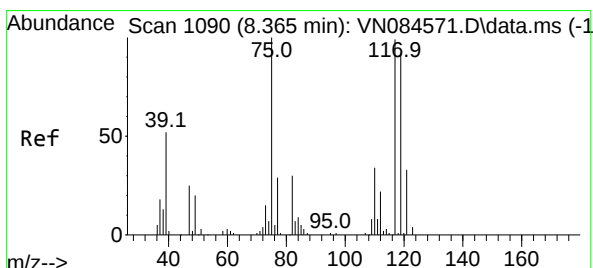
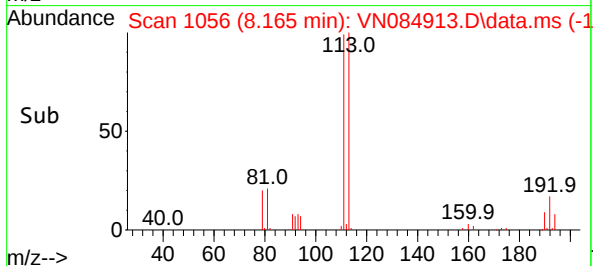
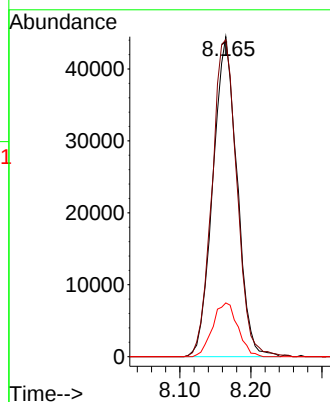
Tgt Ion:113 Resp: 104958

Ion Ratio Lower Upper

113 100

111 102.1 83.3 124.9

192 17.5 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.934 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084913.D

Acq: 18 Nov 2024 12:27

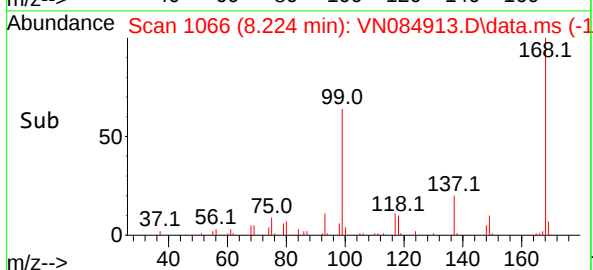
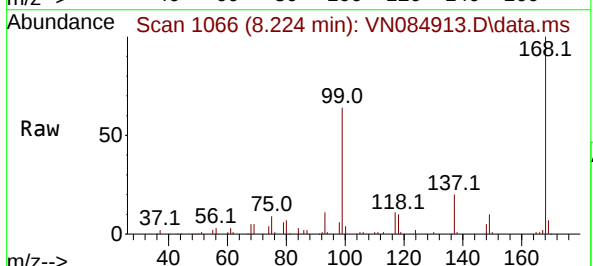
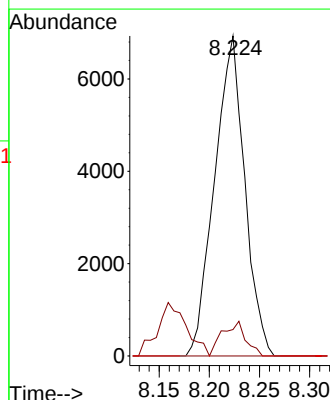
Tgt Ion: 75 Resp: 14494

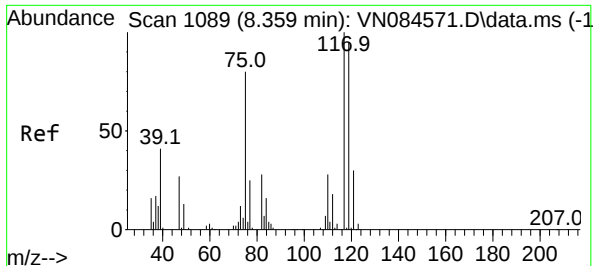
Ion Ratio Lower Upper

75 100

110 8.3 16.9 50.7#

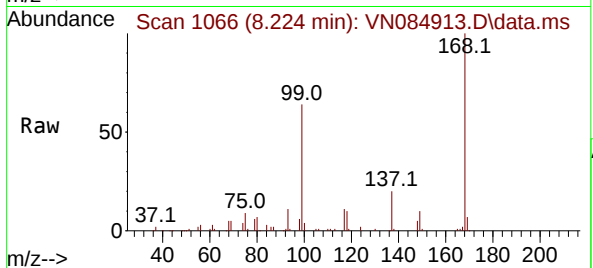
77 0.0 24.7 37.1#



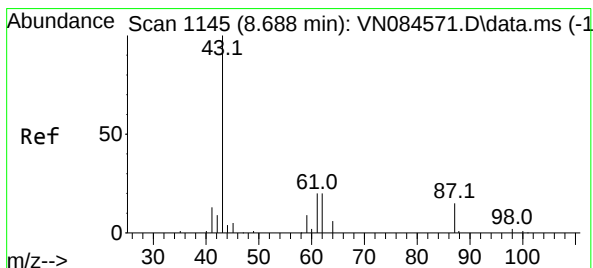
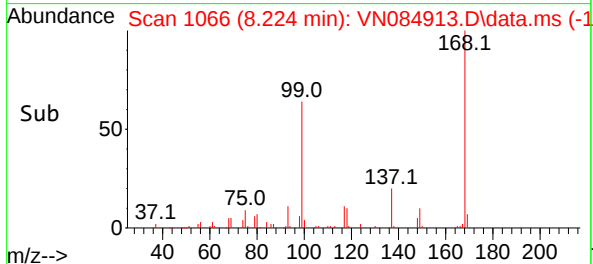
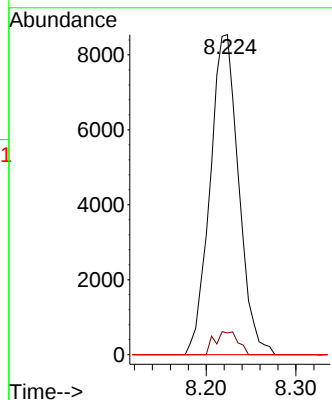


#38
Carbon Tetrachloride
Concen: 5.764 ug/l
RT: 8.224 min Scan# 11066
Delta R.T. -0.135 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :

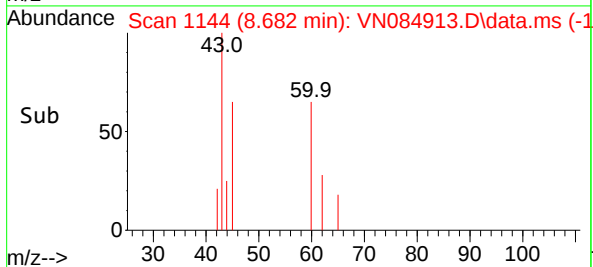
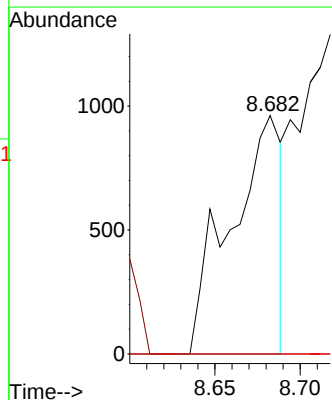
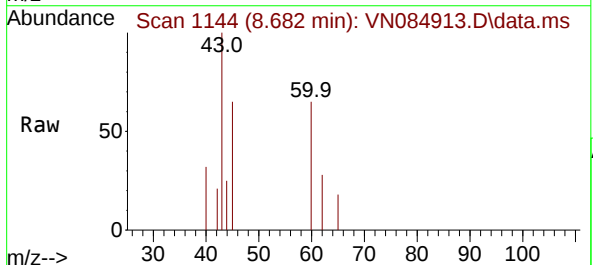


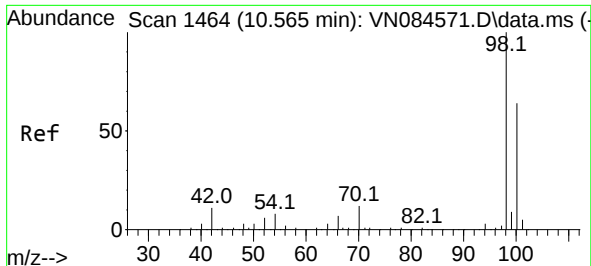
Tgt Ion:117 Resp: 18926
Ion Ratio Lower Upper
117 100
119 6.8 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

Tgt Ion: 43 Resp: 1994
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#

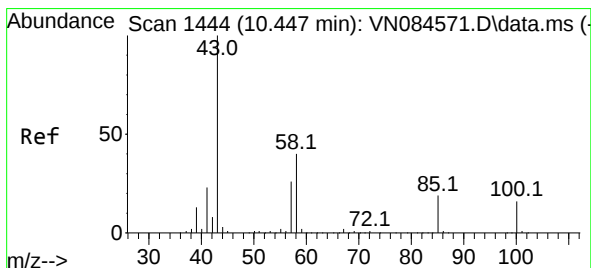
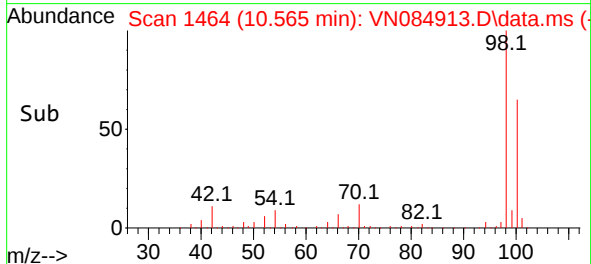
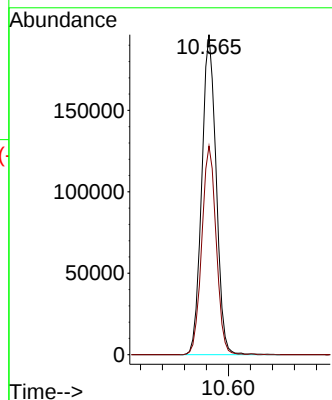
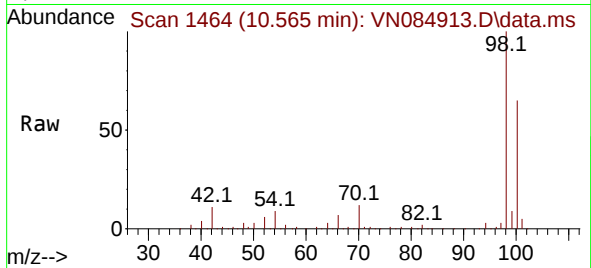




#50
Toluene-d8
Concen: 45.721 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

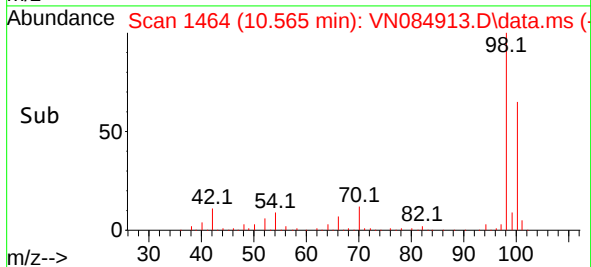
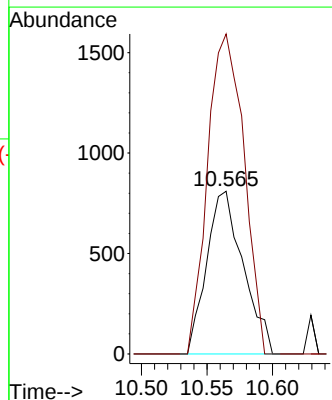
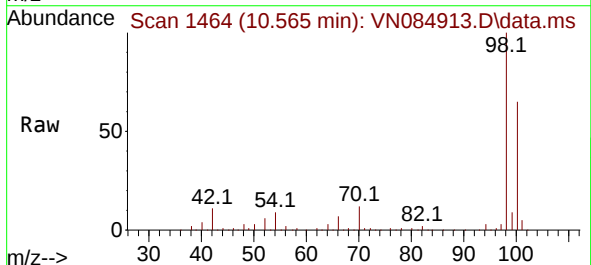
Instrument :
MSVOA_N
ClientSampleId :

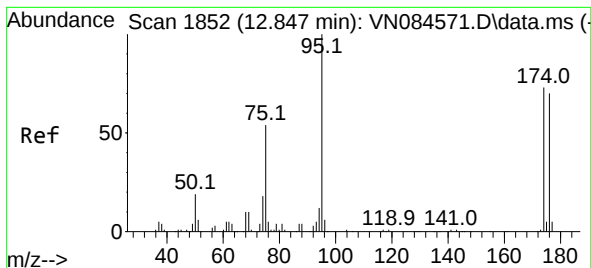
Tgt Ion: 98 Resp: 356712
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.618 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

Tgt Ion: 43 Resp: 1570
Ion Ratio Lower Upper
43 100
58 196.1 31.6 47.4#

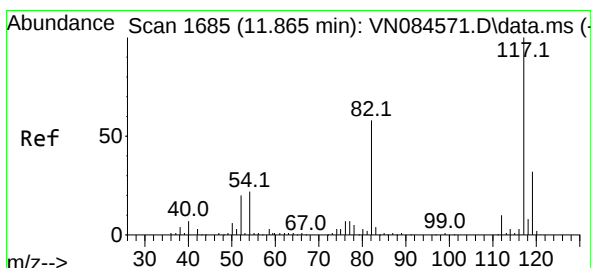
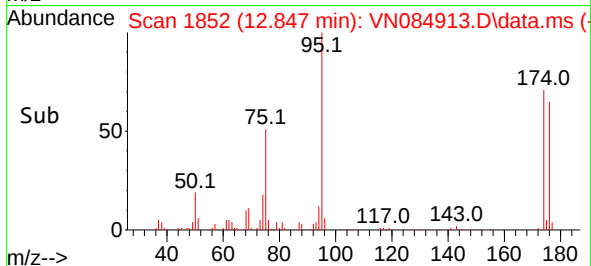
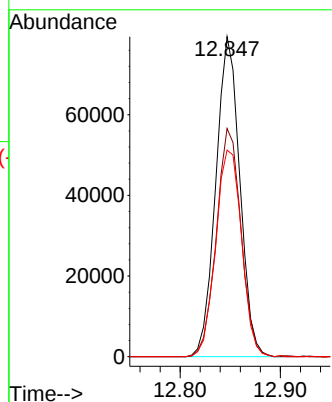
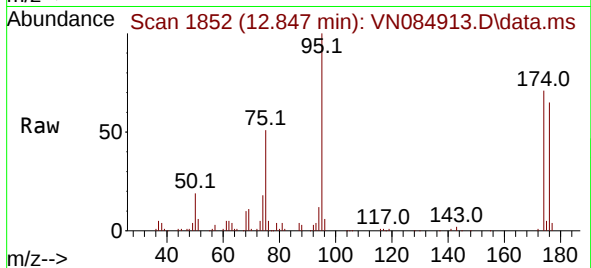




#62
4-Bromofluorobenzene
Concen: 45.173 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

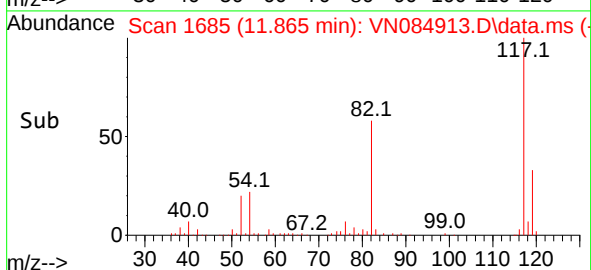
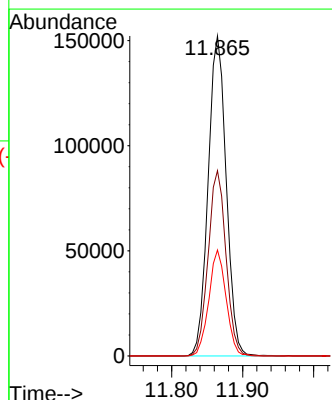
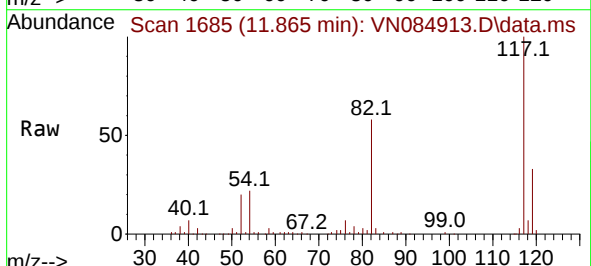
Instrument :
MSVOA_N
ClientSampleId :

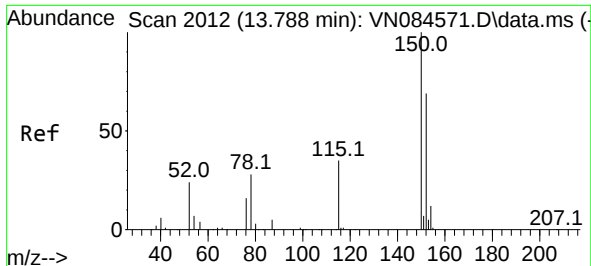
Tgt Ion: 95 Resp: 131717
Ion Ratio Lower Upper
95 100
174 73.2 0.0 145.2
176 69.8 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

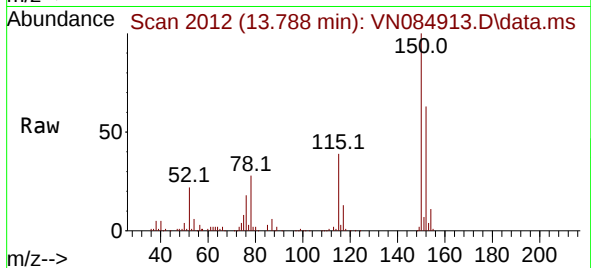
Tgt Ion: 117 Resp: 269131
Ion Ratio Lower Upper
117 100
82 57.9 47.2 70.8
119 33.1 25.4 38.0



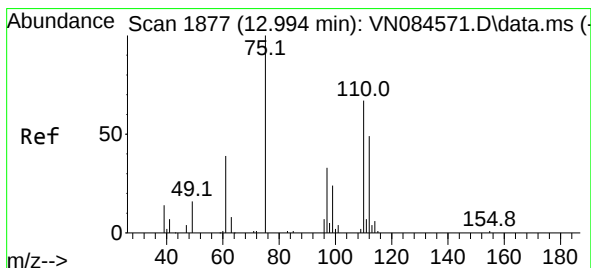
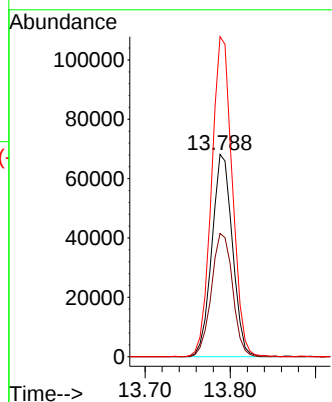
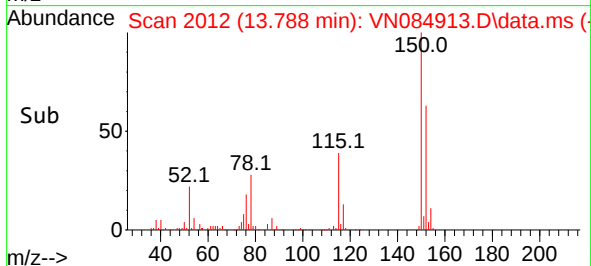


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN084913.D
 Acq: 18 Nov 2024 12:27

Instrument :
 MSVOA_N
 ClientSampleId :

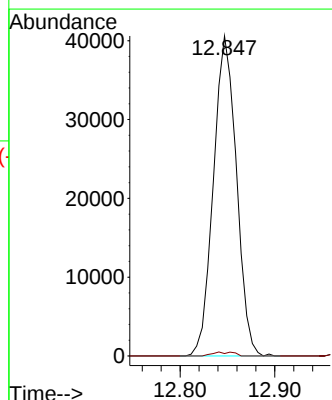
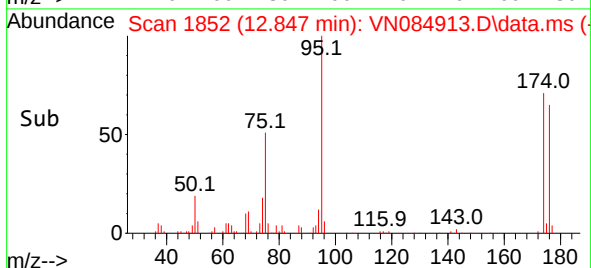
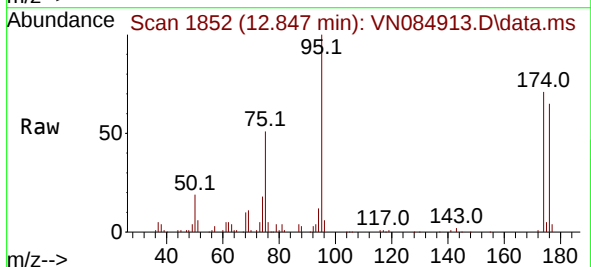


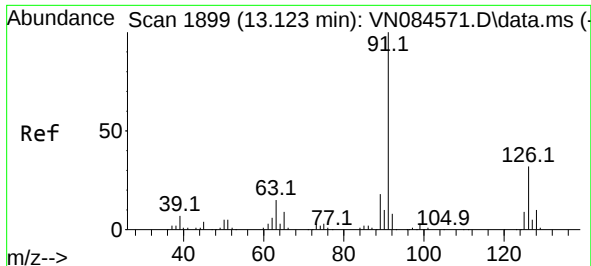
Tgt Ion:152 Resp: 114405
 Ion Ratio Lower Upper
 152 100
 115 62.5 31.3 93.9
 150 159.0 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 30.050 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084913.D
 Acq: 18 Nov 2024 12:27

Tgt Ion: 75 Resp: 68721
 Ion Ratio Lower Upper
 75 100
 77 1.1 96.9 290.7#

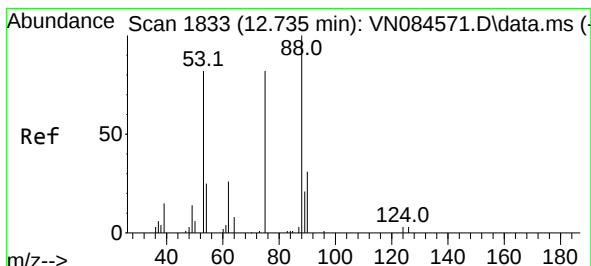
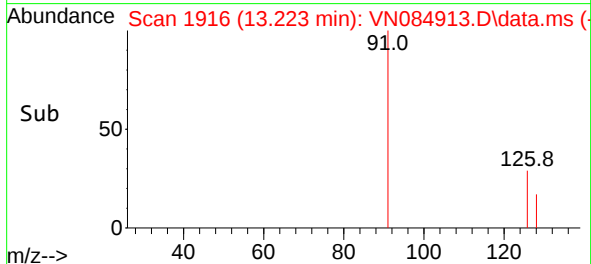
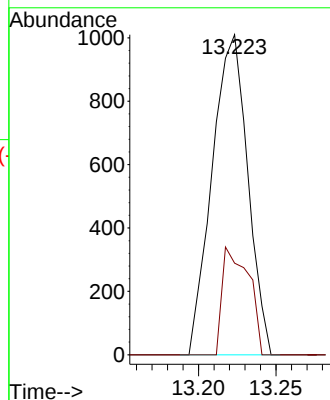
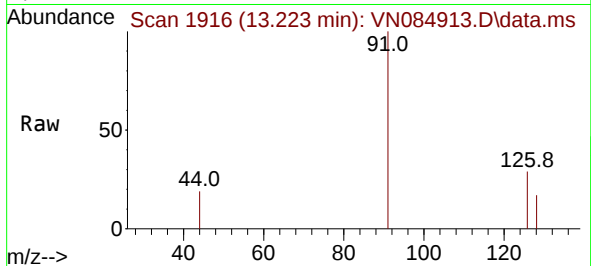




#79
2-Chlorotoluene
Concen: 0.263 ug/l
RT: 13.223 min Scan# 1899
Delta R.T. 0.100 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

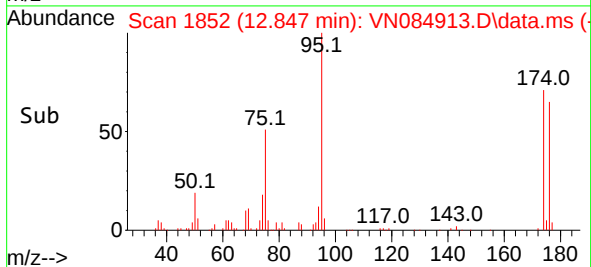
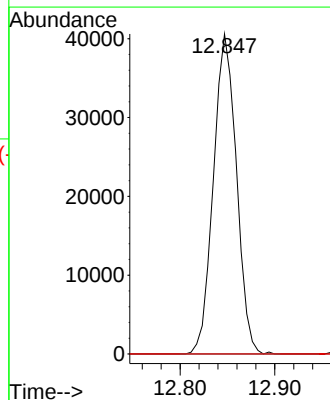
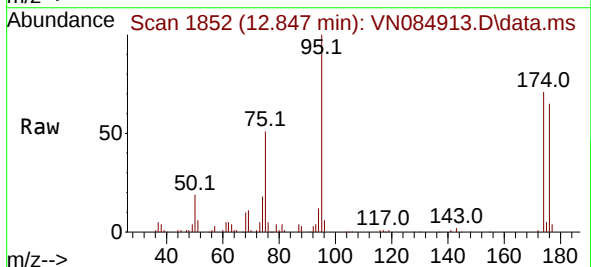
Instrument :
MSVOA_N
ClientSampleId :

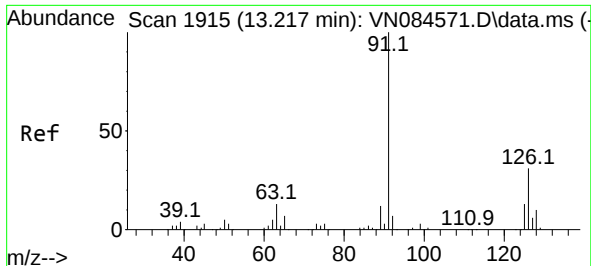
Tgt Ion: 91 Resp: 1612
Ion Ratio Lower Upper
91 100
126 24.9 15.7 47.1



#81
trans-1,4-Dichloro-2-butene
Concen: 71.290 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

Tgt Ion: 75 Resp: 68721
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

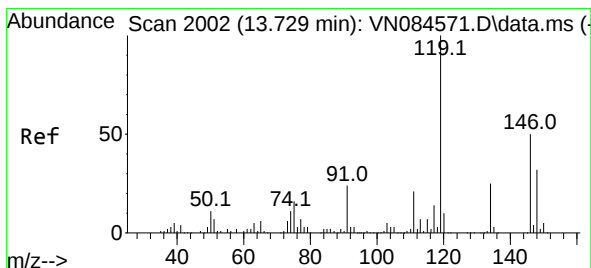
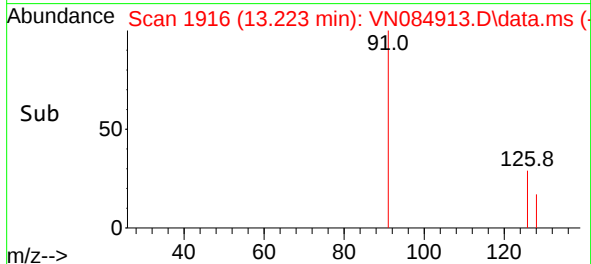
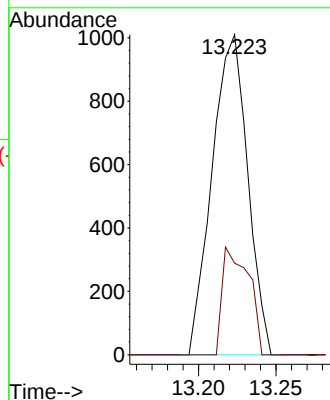
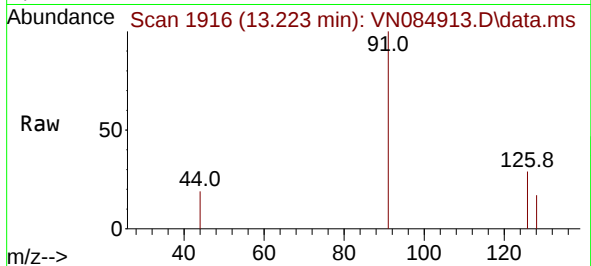




#82
4-Chlorotoluene
Concen: 0.250 ug/l
RT: 13.223 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

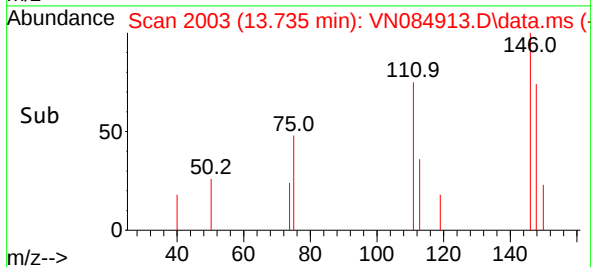
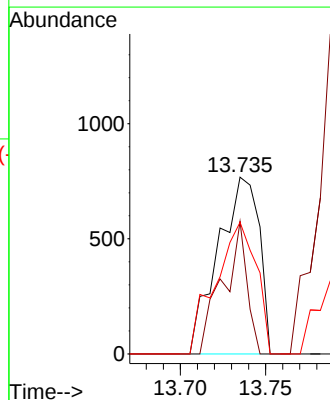
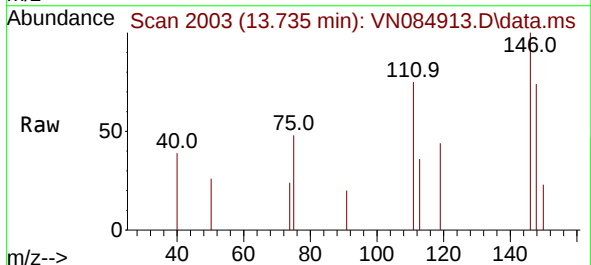
Instrument :
MSVOA_N
ClientSampleId :

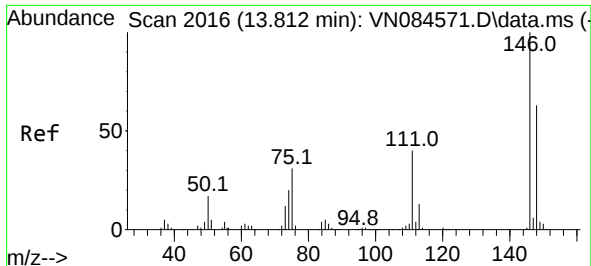
Tgt Ion: 91 Resp: 1612
Ion Ratio Lower Upper
91 100
126 24.9 15.7 47.1



#87
1,3-Dichlorobenzene
Concen: 0.305 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

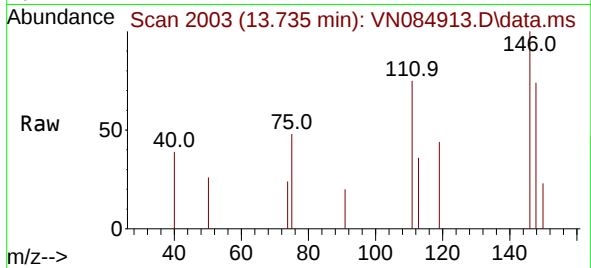
Tgt Ion: 146 Resp: 1284
Ion Ratio Lower Upper
146 100
111 44.0 21.8 65.3
148 74.1 31.9 95.7



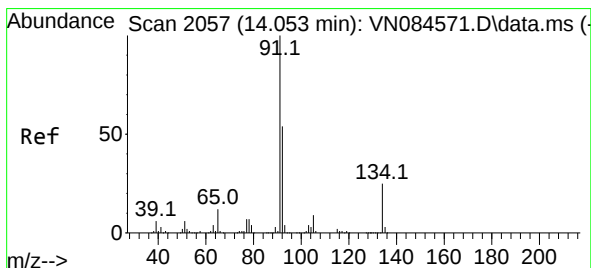
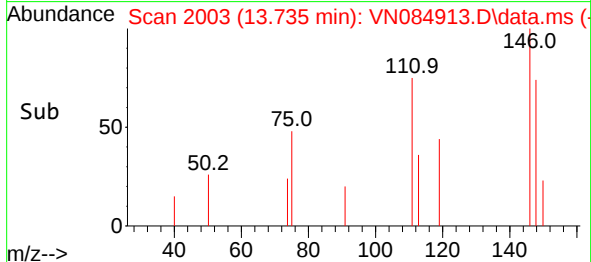
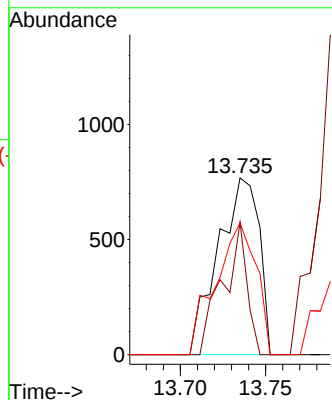


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.735 min Scan# 2016
Delta R.T. -0.077 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :

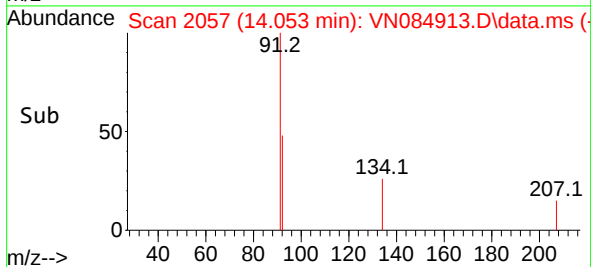
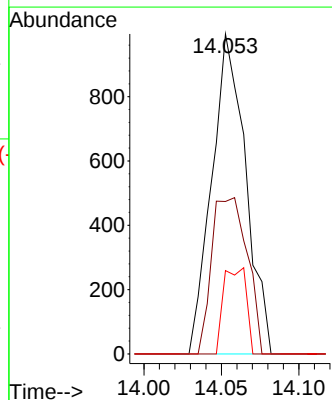
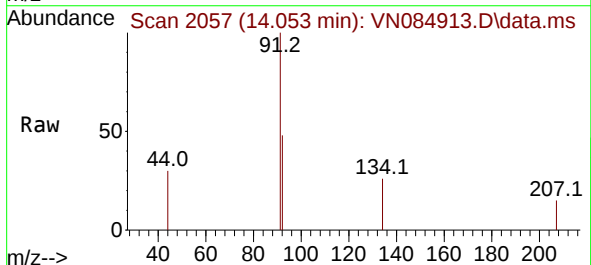


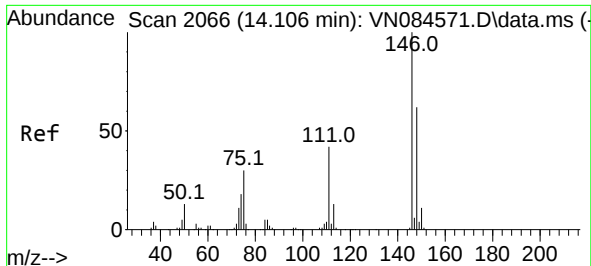
Tgt Ion:146 Resp: 1284
Ion Ratio Lower Upper
146 100
111 44.0 21.2 63.6
148 74.1 31.9 95.9



#89
n-Butylbenzene
Concen: 0.253 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

Tgt Ion: 91 Resp: 1510
Ion Ratio Lower Upper
91 100
92 51.3 26.6 79.7
134 18.0 12.3 36.9





#91

1,2-Dichlorobenzene

Concen: 0.291 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN084913.D

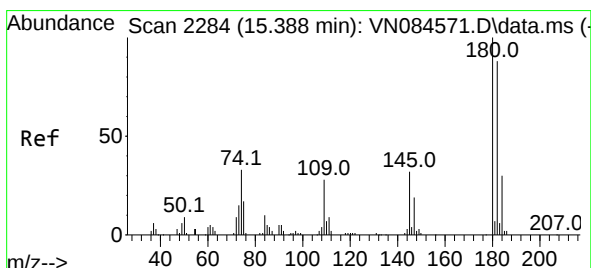
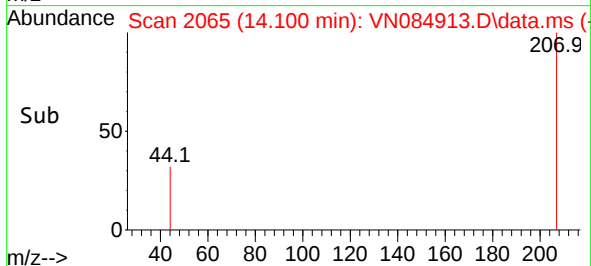
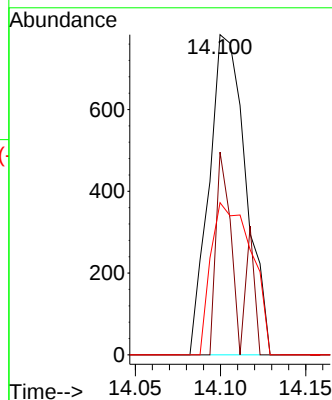
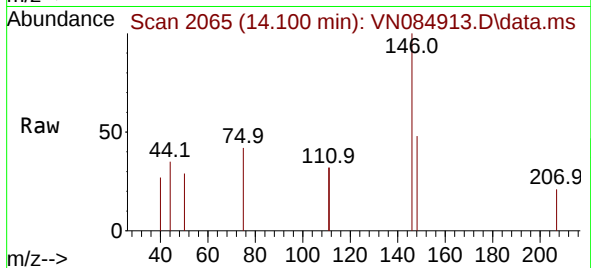
Acq: 18 Nov 2024 12:27

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:146	Resp:	1175
Ion Ratio	Lower	Upper
146	100	
111	34.3	22.0 66.0
148	52.6	32.1 96.3



#93

1,2,4-Trichlorobenzene

Concen: 0.603 ug/l

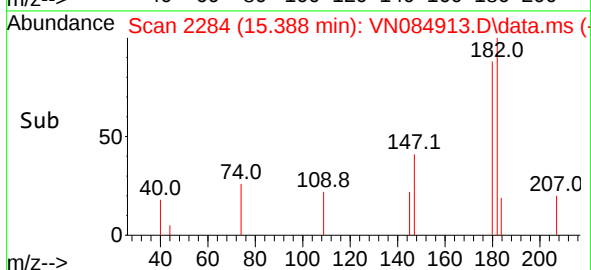
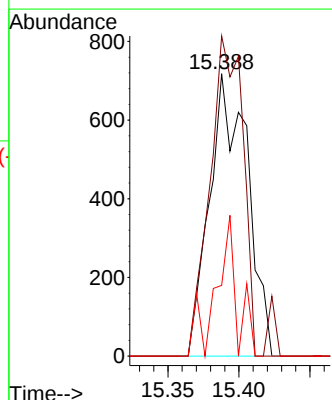
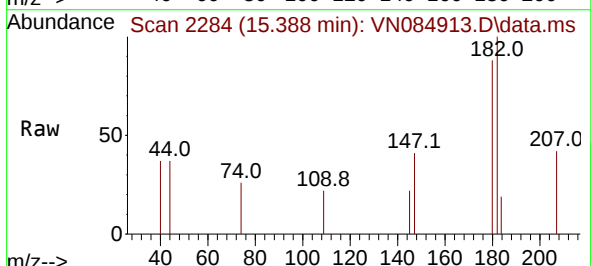
RT: 15.388 min Scan# 2284

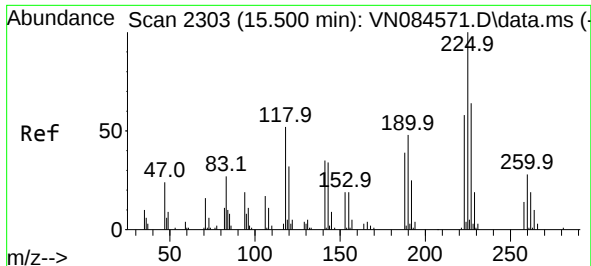
Delta R.T. -0.000 min

Lab File: VN084913.D

Acq: 18 Nov 2024 12:27

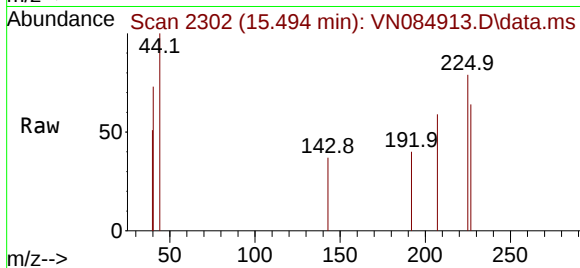
Tgt Ion:180	Resp:	1333
Ion Ratio	Lower	Upper
180	100	
182	98.5	47.0 141.0
145	27.8	16.4 49.4



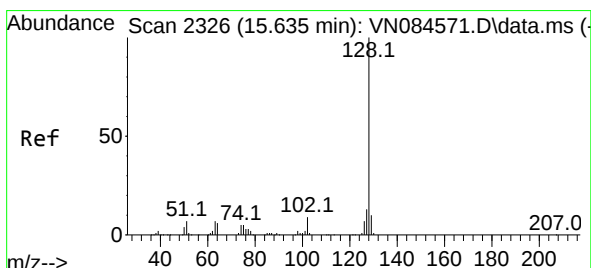
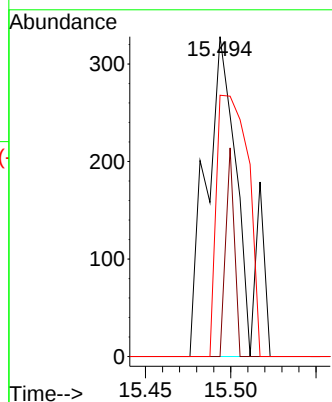
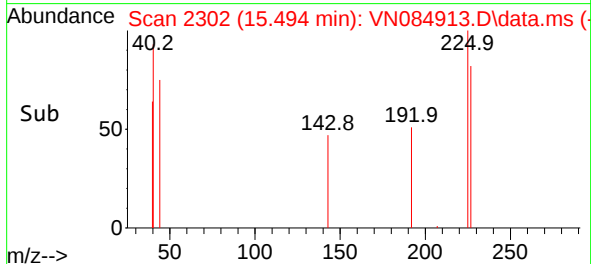


#94
Hexachlorobutadiene
Concen: 0.463 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

Instrument :
MSVOA_N
ClientSampleId :

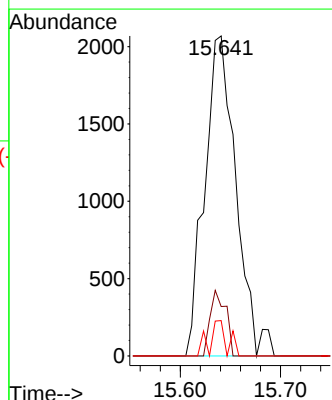
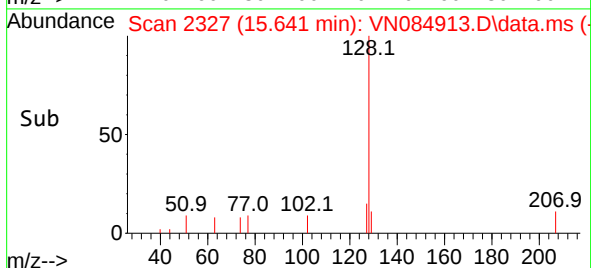
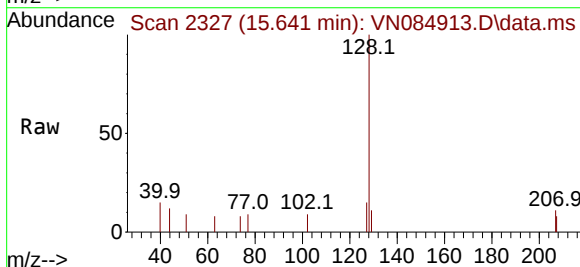


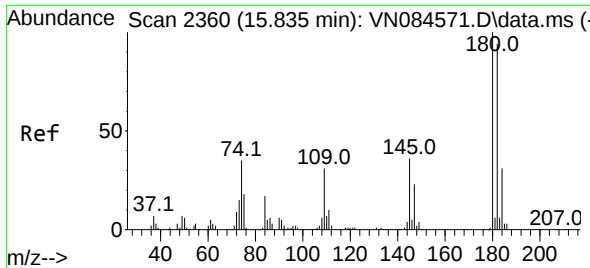
Tgt Ion:225 Resp: 450
Ion Ratio Lower Upper
225 100
223 16.7 32.4 97.2#
227 76.4 32.4 97.0



#95
Naphthalene
Concen: 0.679 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084913.D
Acq: 18 Nov 2024 12:27

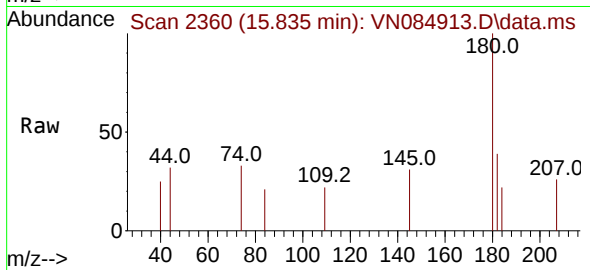
Tgt Ion:128 Resp: 4495
Ion Ratio Lower Upper
128 100
127 10.2 10.5 15.7#
129 6.1 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.781 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN084913.D
 Acq: 18 Nov 2024 12:27

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1678
Ion	Ratio	Lower	Upper
180	100		
182	73.7	48.2	144.6
145	26.5	17.3	51.9

