

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
 Data File : VN084997.D
 Acq On : 21 Nov 2024 16:21
 Operator : JC\MD
 Sample : VN1121WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 04:35:27 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)

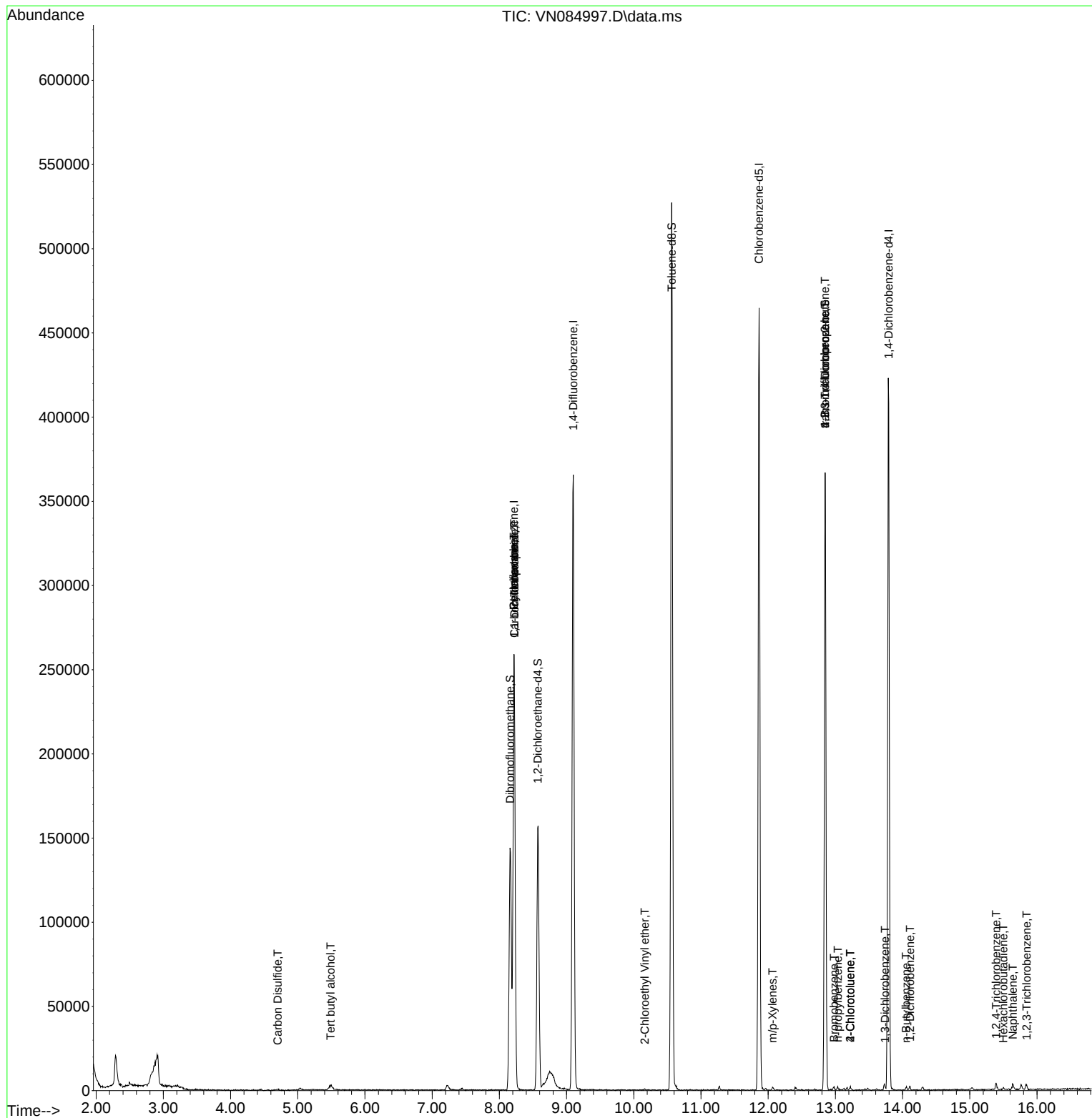
Internal Standards						
1) Pentafluorobenzene	8.218	168	178139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	314864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	130020	50.534	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.060%	
35) Dibromofluoromethane	8.159	113	103562	48.592	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.180%	
50) Toluene-d8	10.565	98	361964	46.105	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.220%	
62) 4-Bromofluorobenzene	12.847	95	128897	43.930	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 87.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	675	Below Cal	#	41
6) Chloroethane	3.059	64	241	Below Cal	#	47
11) Tert butyl alcohol	5.488	59	2811	8.277	ug/l #	73
17) Carbon Disulfide	4.700	76	1473	0.236	ug/l #	75
18) Methyl Acetate	5.036	43	1949	Below Cal	#	58
31) Cyclohexane	8.218	56	4254	1.198	ug/l #	14
36) 1,1-Dichloropropene	8.224	75	15484	5.239	ug/l #	50
38) Carbon Tetrachloride	8.224	117	19663	5.952	ug/l #	14
43) Isopropyl Acetate	8.688	43	935	Below Cal	#	56
58) 2-Chloroethyl Vinyl ether	10.165	63	383	0.271	ug/l #	48
68) m/p-Xylenes	12.065	106	833	0.223	ug/l	99
76) 1,2,3-Trichloropropane	12.847	75	66438	29.570	ug/l #	1
77) Bromobenzene	12.982	156	625	0.295	ug/l	53
78) n-propylbenzene	13.035	91	1852	0.201	ug/l	89
79) 2-Chlorotoluene	13.223	91	1821	0.302	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.847	75	66438	70.153	ug/l #	11
82) 4-Chlorotoluene	13.223	91	1821	0.287	ug/l	91
87) 1,3-Dichlorobenzene	13.741	146	1263	0.306	ug/l	87
88) 1,4-Dichlorobenzene	13.741	146	1263	Below Cal		88
89) n-Butylbenzene	14.053	91	1677	0.286	ug/l	85
91) 1,2-Dichlorobenzene	14.111	146	1109	0.279	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	1778	0.818	ug/l	85
94) Hexachlorobutadiene	15.500	225	386	0.404	ug/l	78
95) Naphthalene	15.641	128	4014	0.617	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.847	180	1144	0.542	ug/l #	18

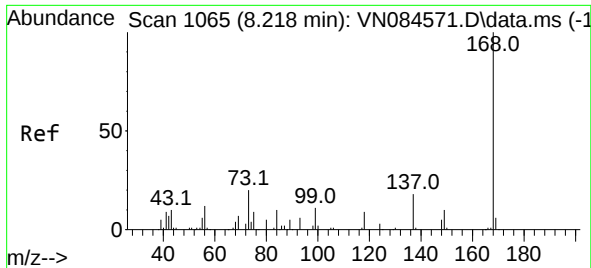
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
Data File : VN084997.D
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
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Quant Time: Nov 22 04:35:27 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

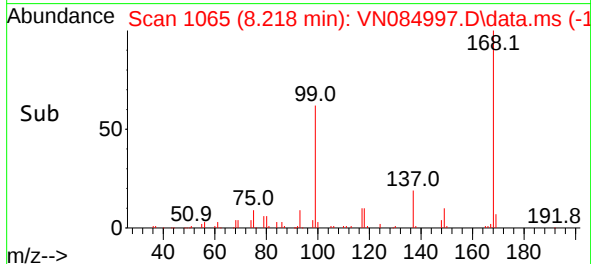
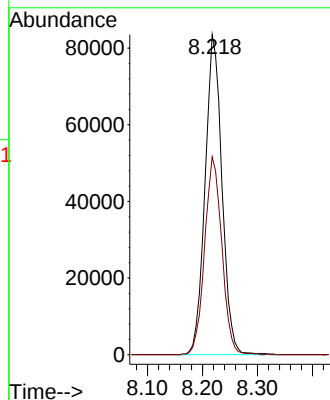
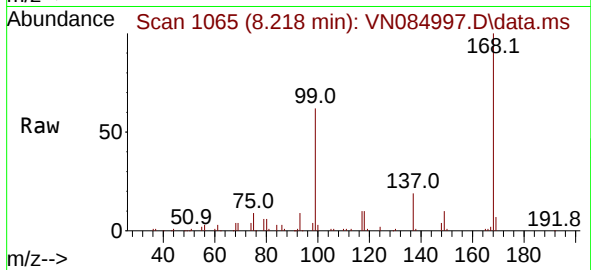




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

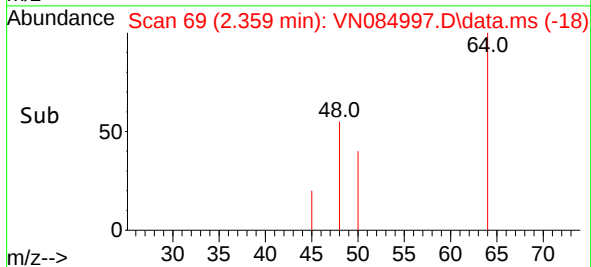
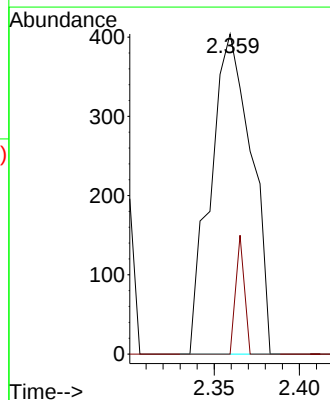
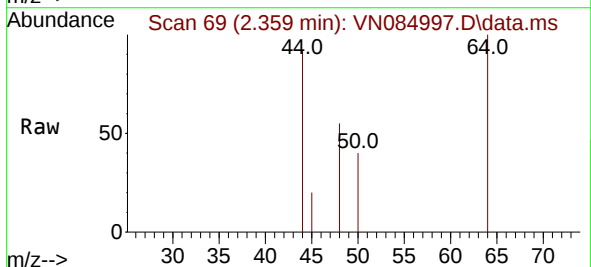
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 178139
Ion Ratio Lower Upper
168 100
99 61.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Tgt Ion: 50 Resp: 675
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

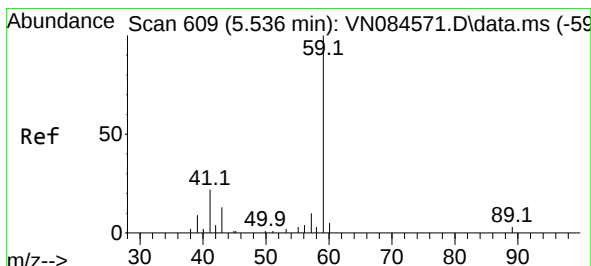
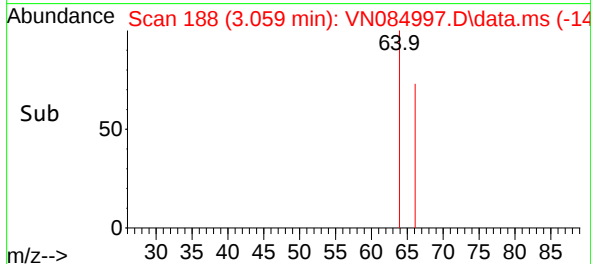
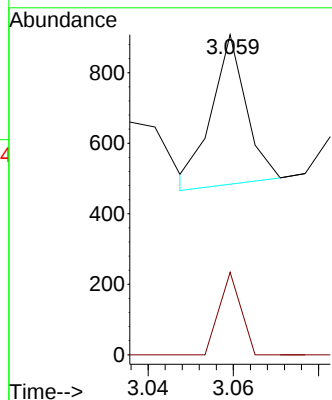
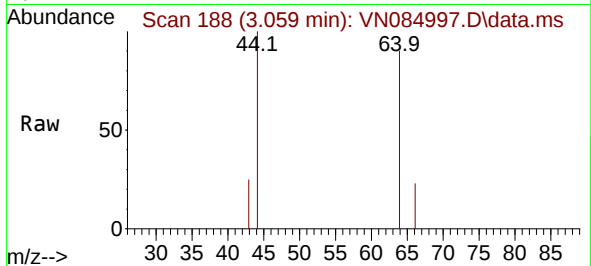




#6
Chloroethane
Concen: Below Cal
RT: 3.059 min Scan# 11
Delta R.T. -0.059 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

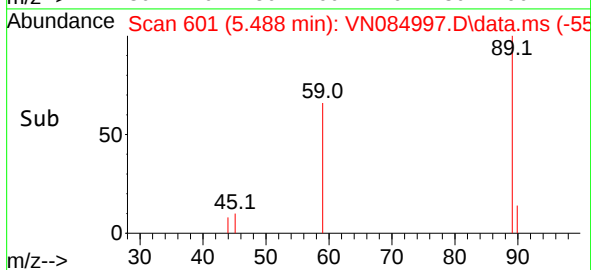
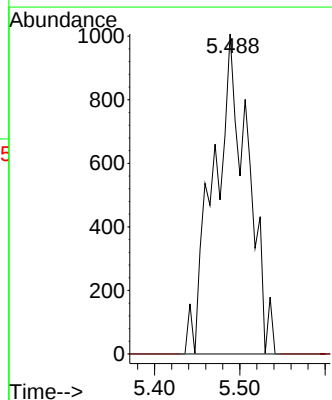
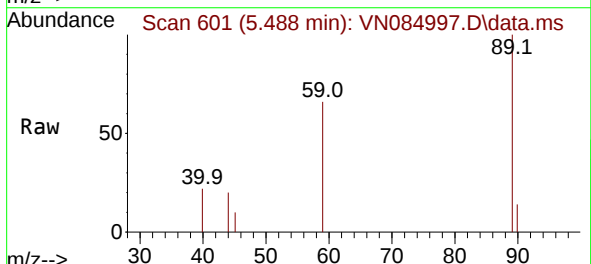
Instrument :
MSVOA_N
ClientSampleId :

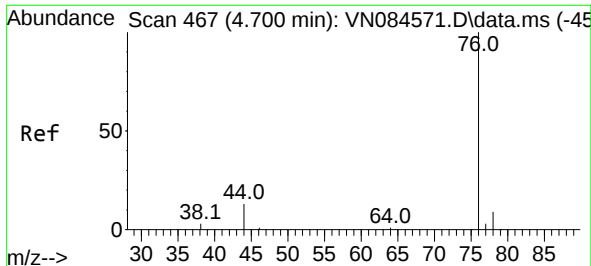
Tgt Ion: 64 Resp: 241
Ion Ratio Lower Upper
64 100
66 57.6 23.5 35.3#



#11
Tert butyl alcohol
Concen: 8.277 ug/l
RT: 5.488 min Scan# 601
Delta R.T. -0.035 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

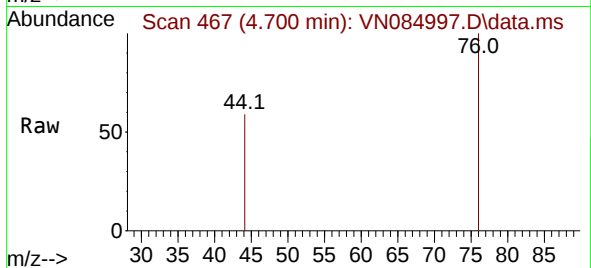
Tgt Ion: 59 Resp: 2811
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



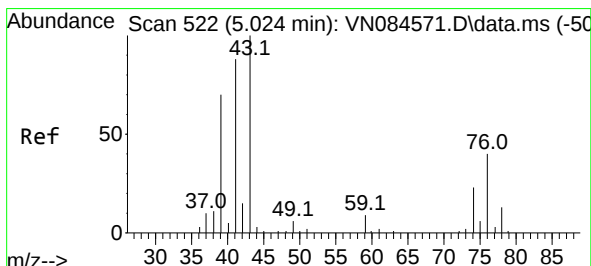
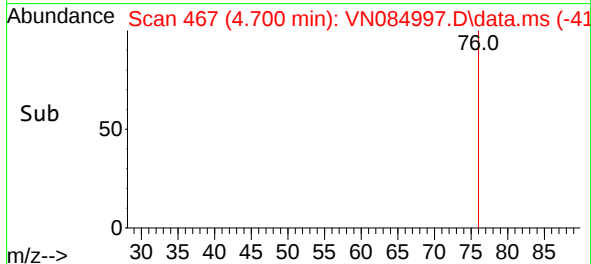
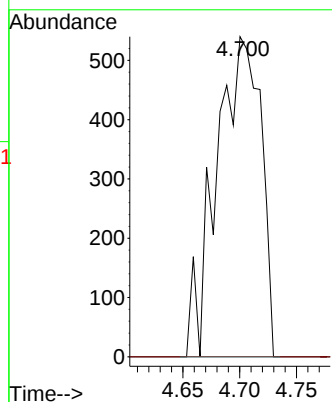


#17
Carbon Disulfide
Concen: 0.236 ug/l
RT: 4.700 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

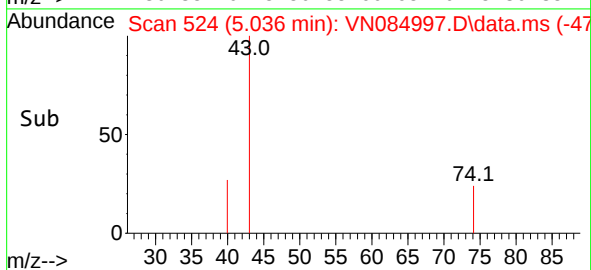
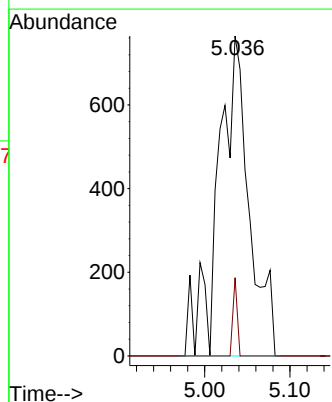
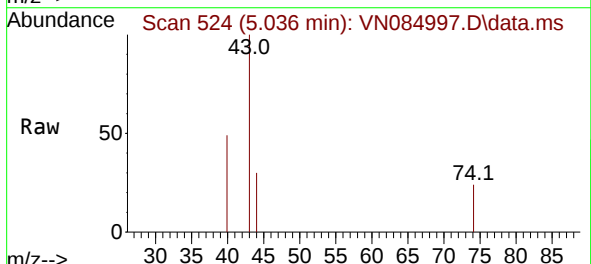


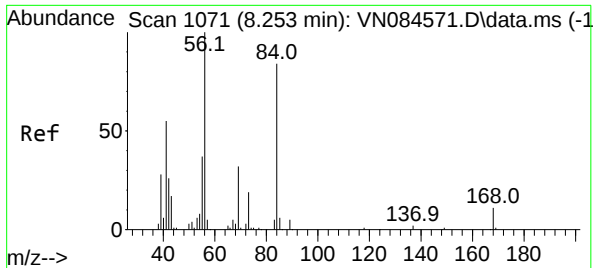
Tgt Ion: 76 Resp: 1473
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

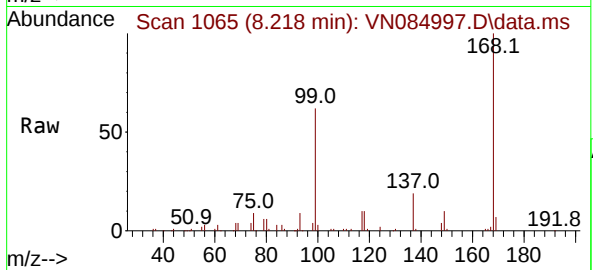
Tgt Ion: 43 Resp: 1949
Ion Ratio Lower Upper
43 100
74 3.4 19.2 28.8#



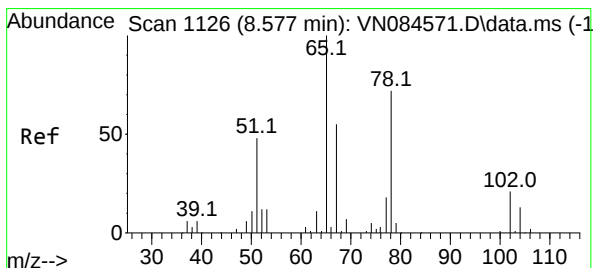
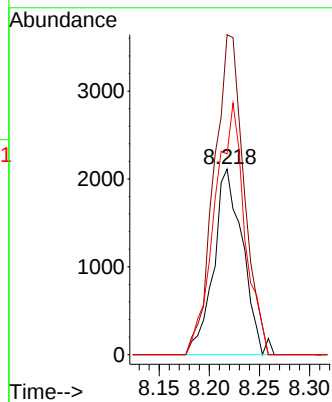
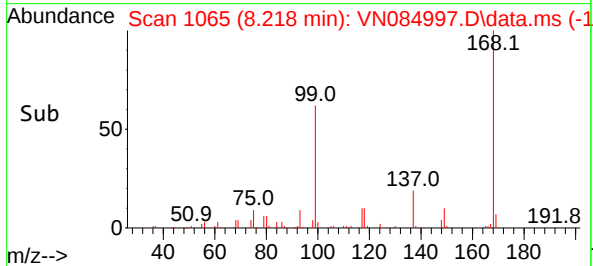


#31
Cyclohexane
Concen: 1.198 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

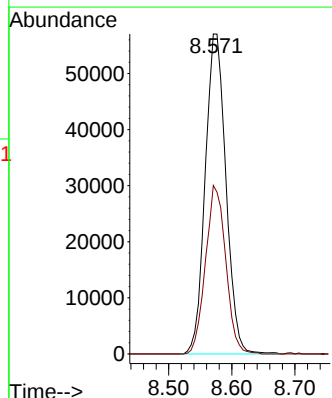
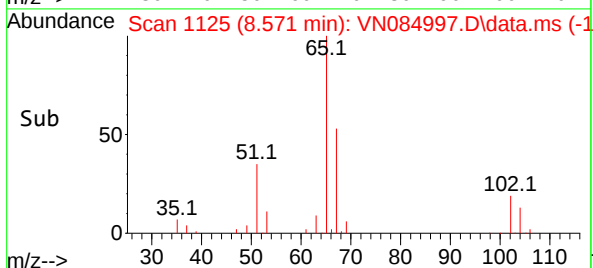
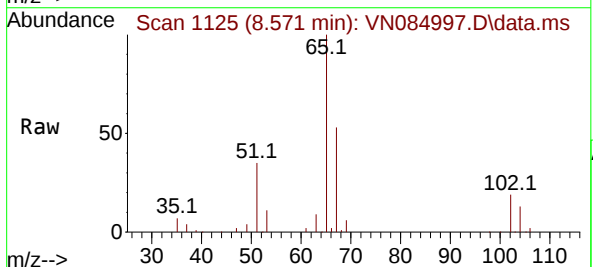


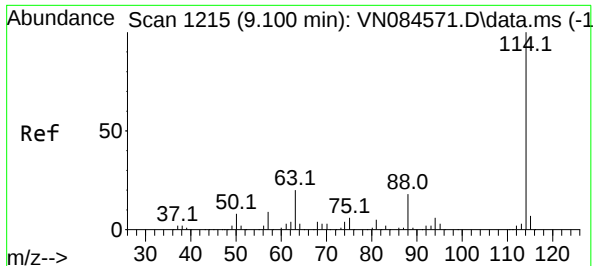
Tgt Ion: 56 Resp: 4254
Ion Ratio Lower Upper
56 100
69 172.4 23.8 35.6#
84 108.1 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 50.534 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Tgt Ion: 65 Resp: 130020
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.0

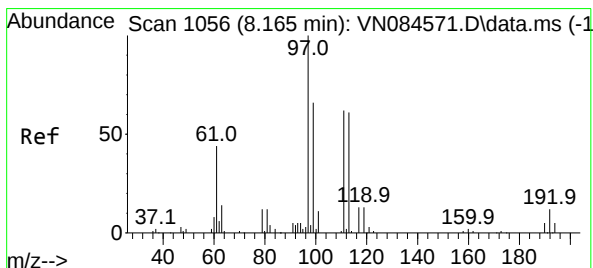
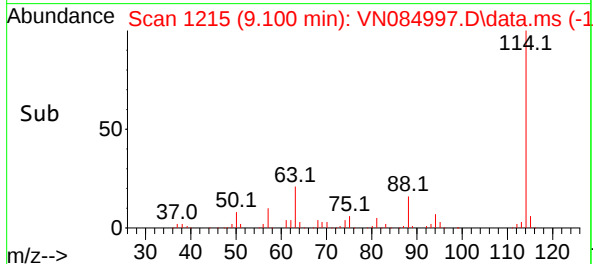
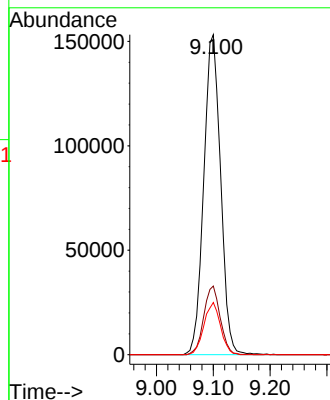
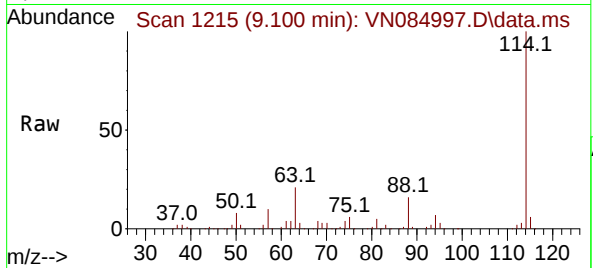




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

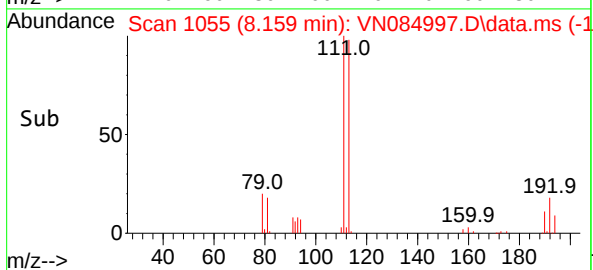
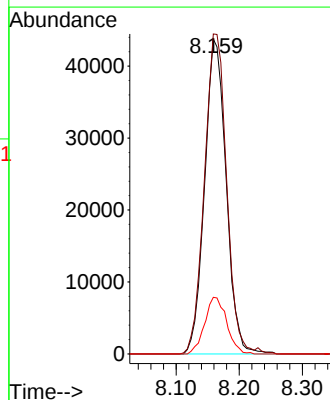
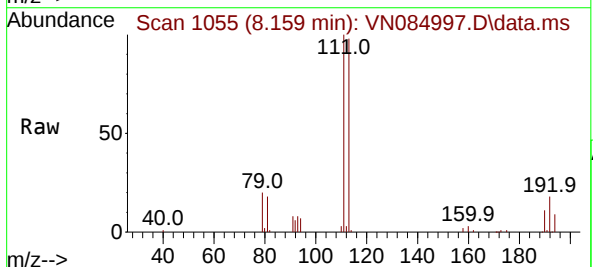
Instrument :
MSVOA_N
ClientSampleId :

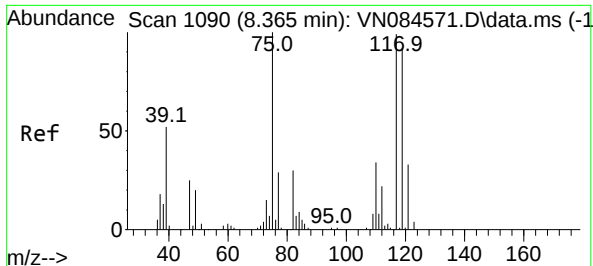
Tgt Ion:114 Resp: 314864
Ion Ratio Lower Upper
114 100
63 21.4 0.0 43.8
88 16.3 0.0 31.6



#35
Dibromofluoromethane
Concen: 48.592 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Tgt Ion:113 Resp: 103562
Ion Ratio Lower Upper
113 100
111 105.1 83.3 124.9
192 18.4 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.239 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084997.D

Acq: 21 Nov 2024 16:21

Instrument :

MSVOA_N

ClientSampleId :

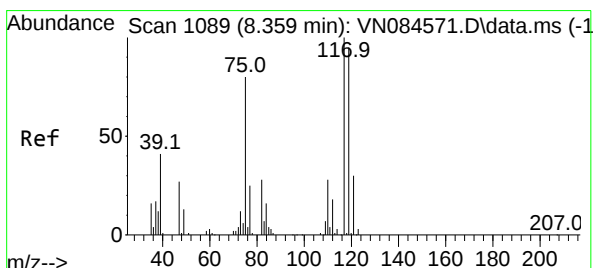
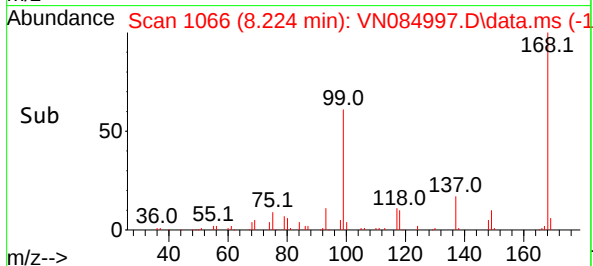
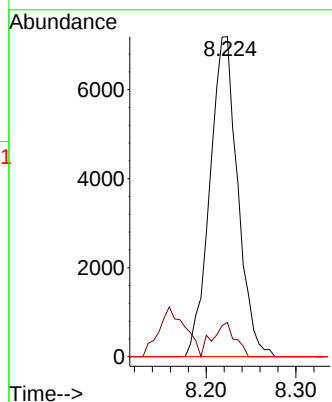
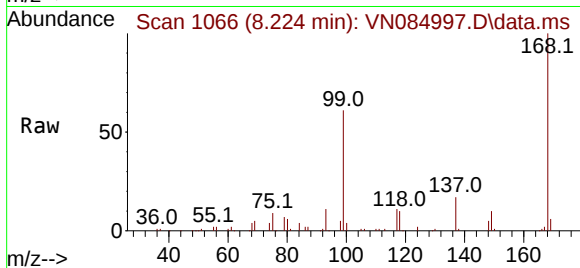
Tgt Ion: 75 Resp: 15484

Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.952 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084997.D

Acq: 21 Nov 2024 16:21

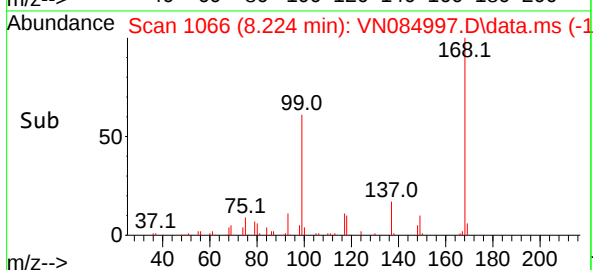
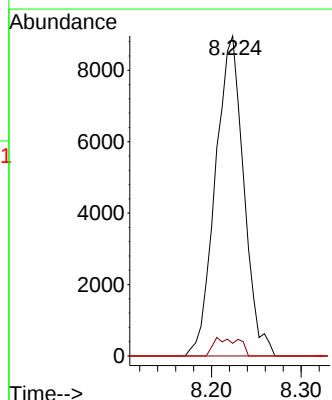
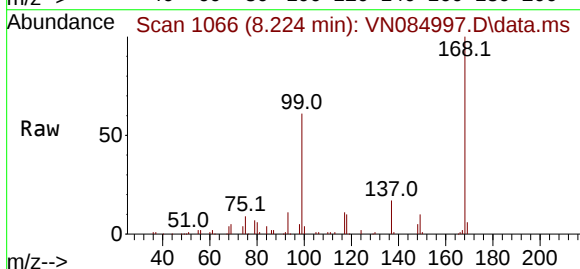
Tgt Ion: 117 Resp: 19663

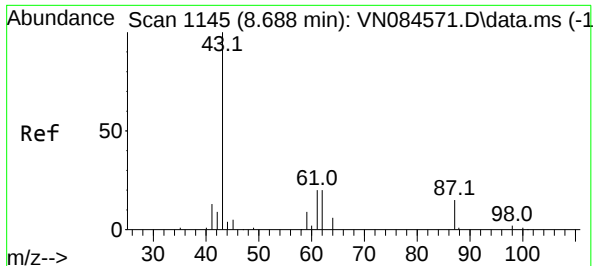
Ion Ratio Lower Upper

117 100

119 4.0 78.7 118.1#

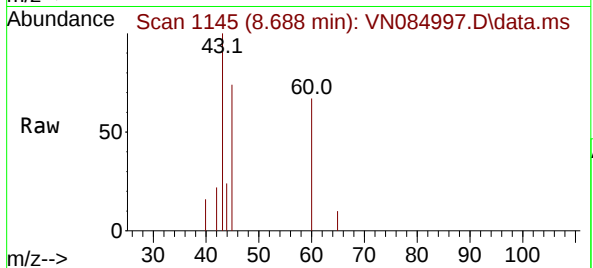
121 0.0 24.4 36.6#



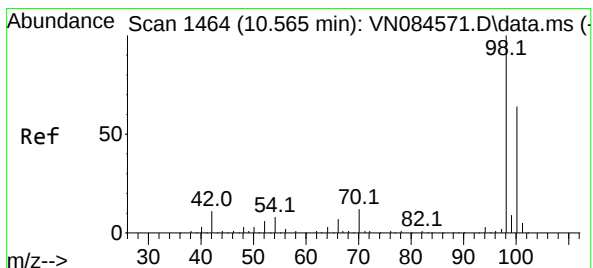
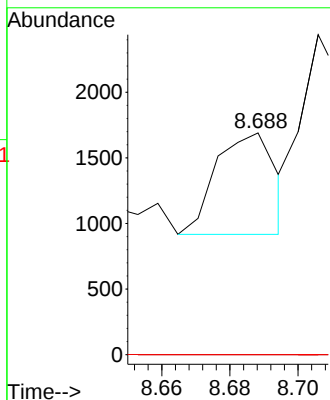
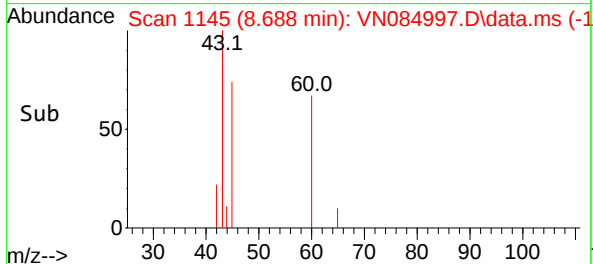


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

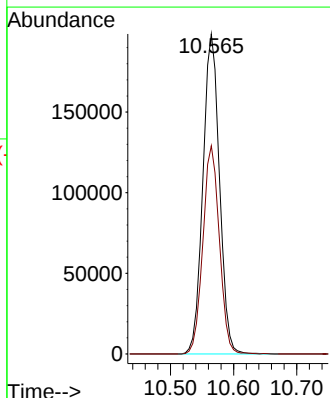
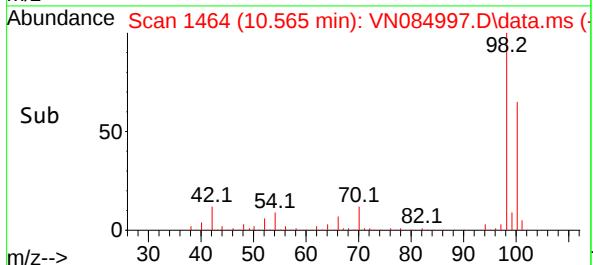
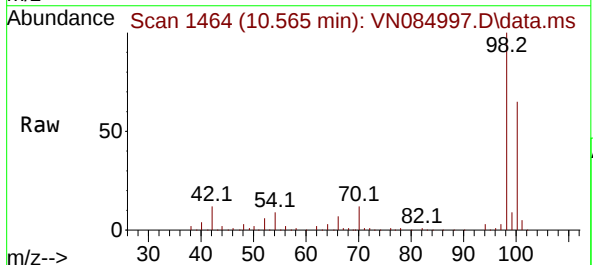


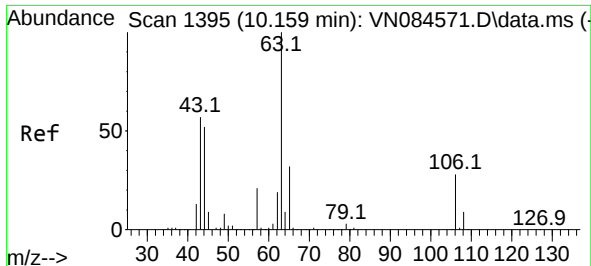
Tgt Ion: 43 Resp: 935
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#



#50
Toluene-d8
Concen: 46.105 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Tgt Ion: 98 Resp: 361964
Ion Ratio Lower Upper
98 100
100 64.6 52.7 79.1

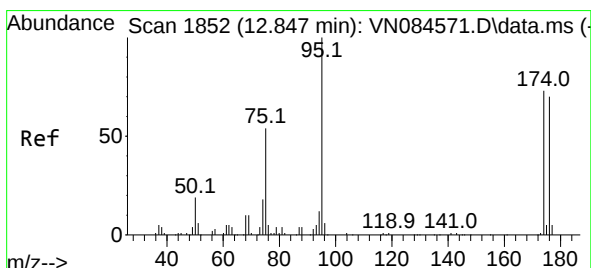
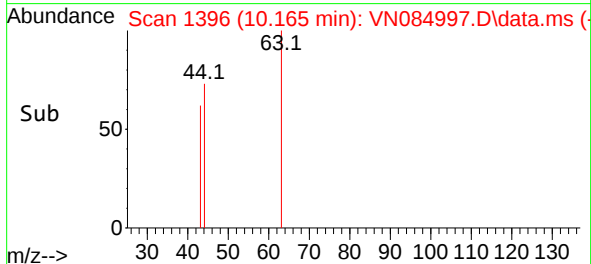
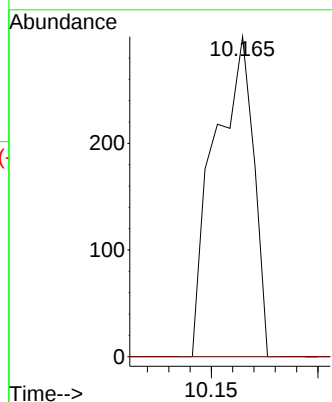
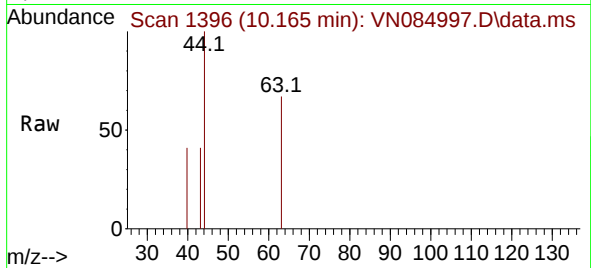




#58
2-Chloroethyl Vinyl ether
Concen: 0.271 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.006 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

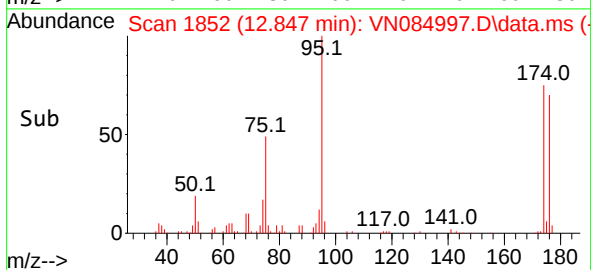
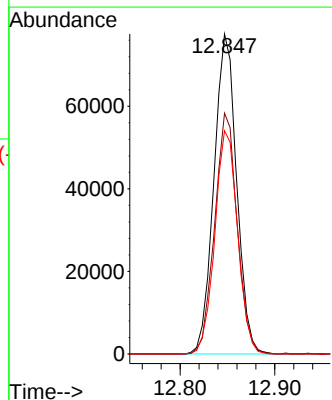
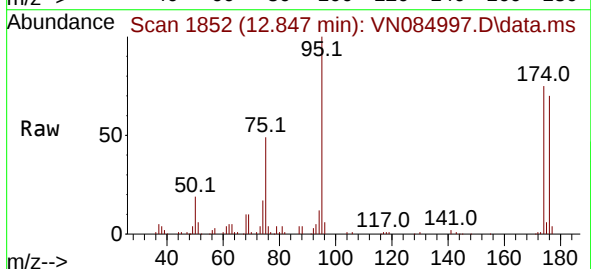
Instrument :
MSVOA_N
ClientSampleId :

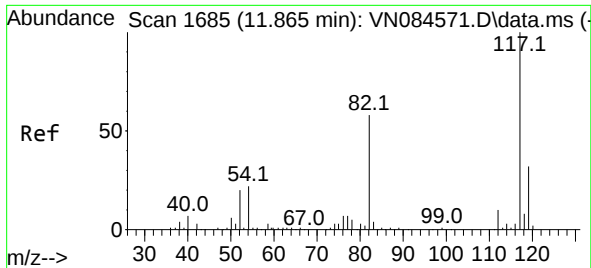
Tgt Ion: 63 Resp: 383
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 43.930 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Tgt Ion: 95 Resp: 128897
Ion Ratio Lower Upper
95 100
174 74.9 0.0 145.2
176 70.0 0.0 140.0

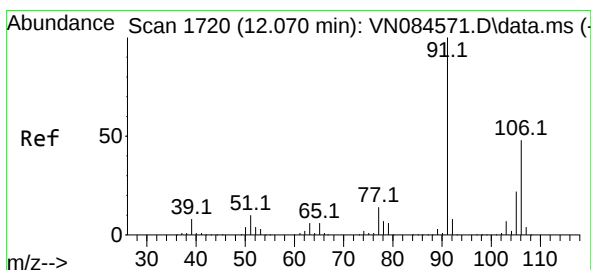
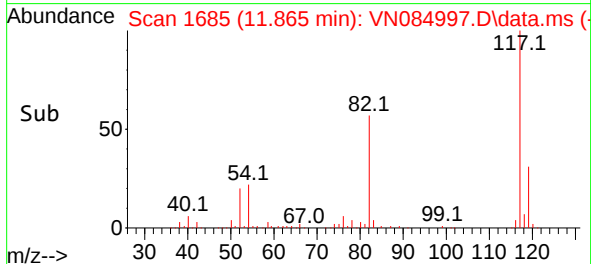
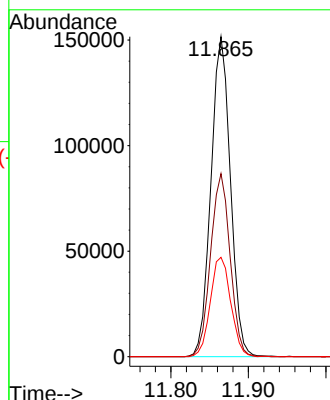
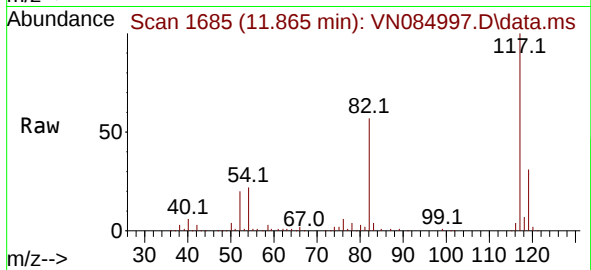




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11719
Delta R.T. -0.000 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

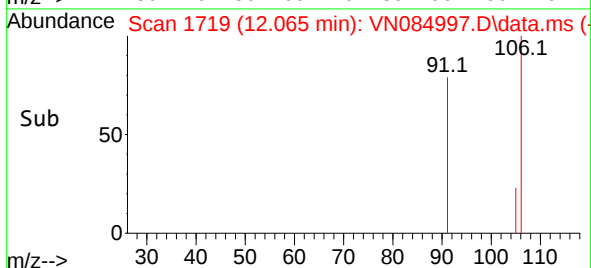
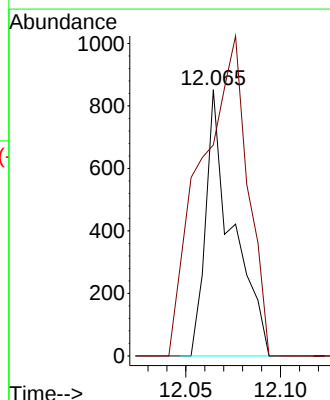
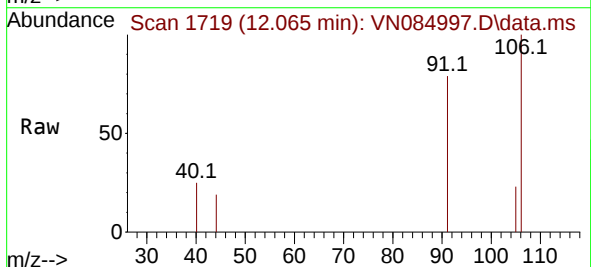
Instrument :
MSVOA_N
ClientSampleId :

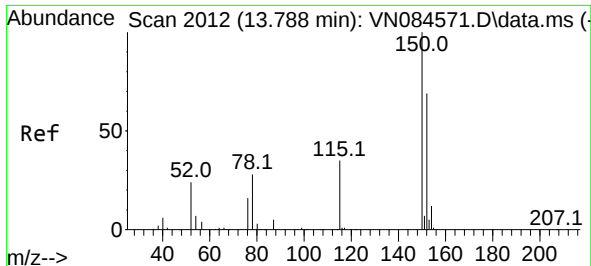
Tgt Ion:117 Resp: 264684
Ion Ratio Lower Upper
117 100
82 57.2 47.2 70.8
119 31.1 25.4 38.0



#68
m/p-Xylenes
Concen: 0.223 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

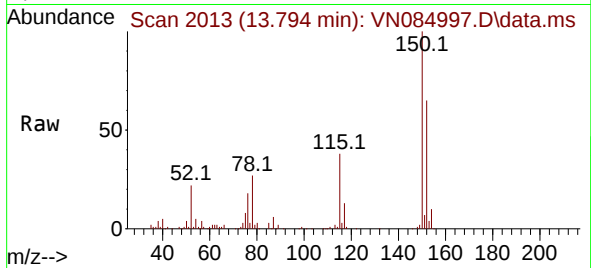
Tgt Ion:106 Resp: 833
Ion Ratio Lower Upper
106 100
91 209.8 167.1 250.7



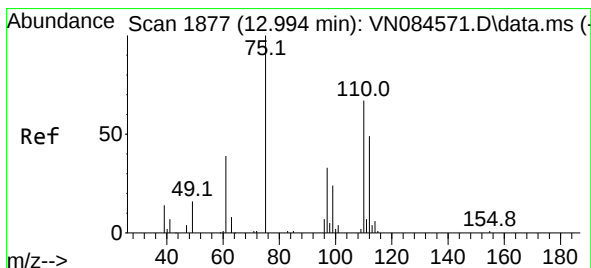
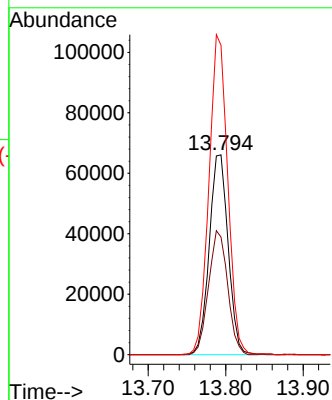
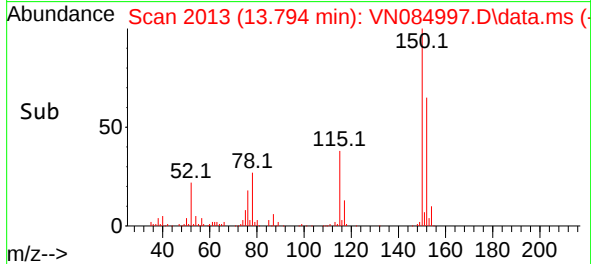


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN084997.D
 Acq: 21 Nov 2024 16:21

Instrument :
 MSVOA_N
 ClientSampleId :

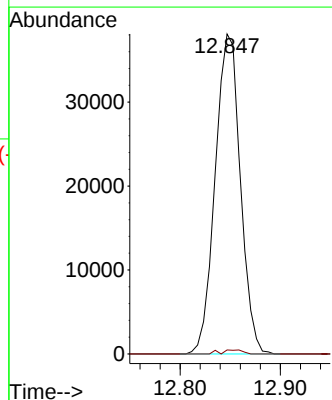
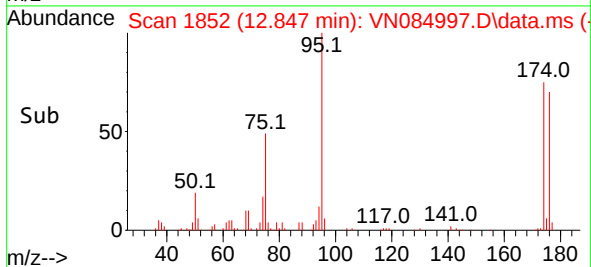
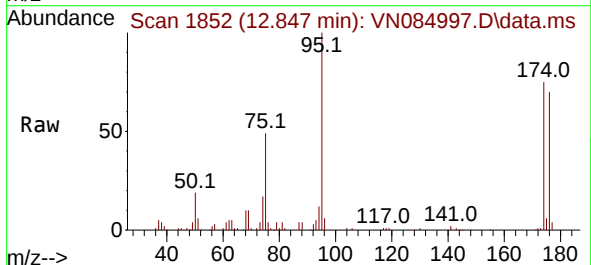


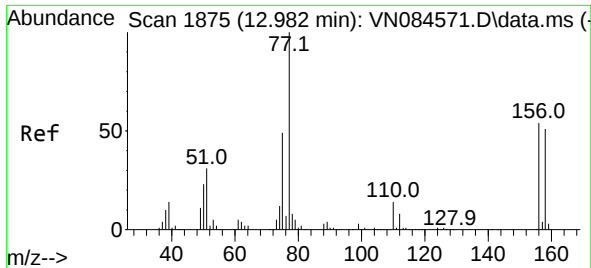
Tgt Ion:152 Resp: 112398
 Ion Ratio Lower Upper
 152 100
 115 62.3 31.3 93.9
 150 158.1 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 29.570 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084997.D
 Acq: 21 Nov 2024 16:21

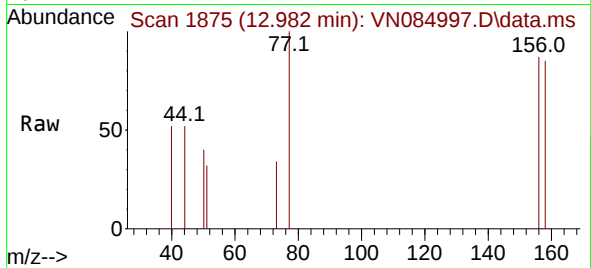
Tgt Ion: 75 Resp: 66438
 Ion Ratio Lower Upper
 75 100
 77 1.1 96.9 290.7#



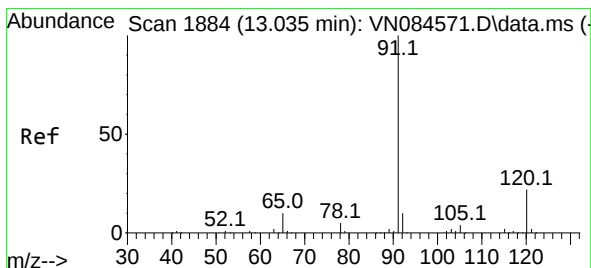
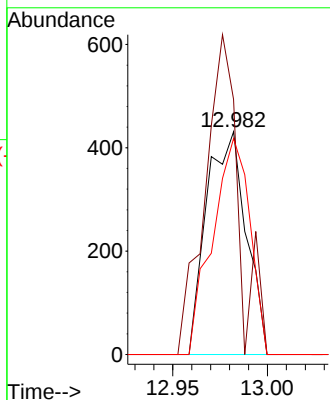
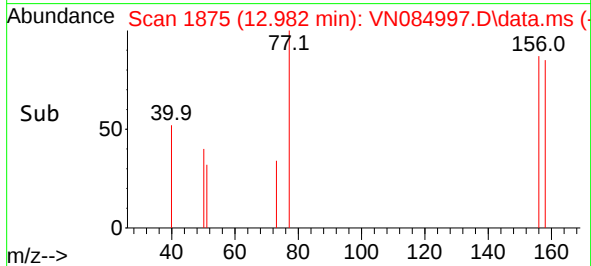


#77
Bromobenzene
Concen: 0.295 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

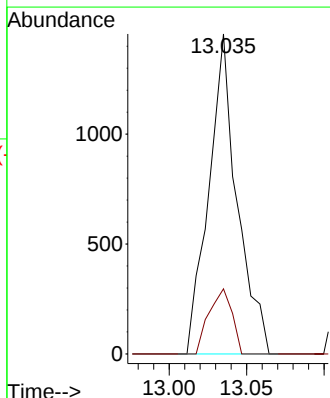
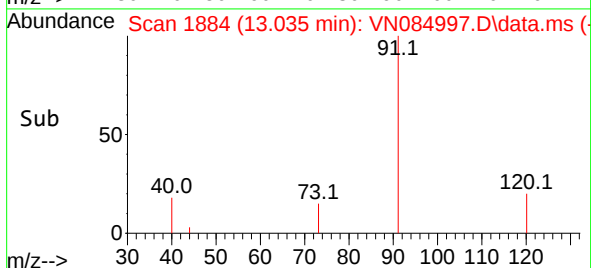
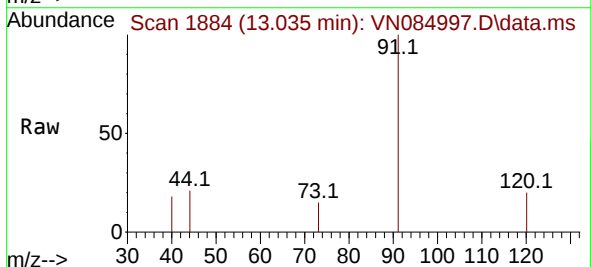


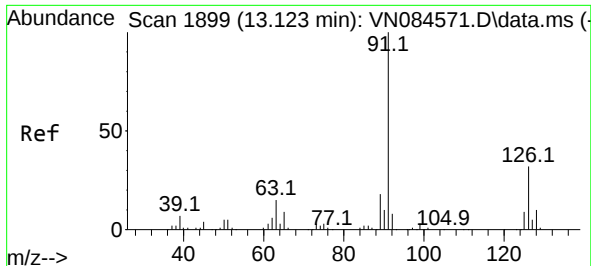
Tgt Ion:156 Resp: 625
Ion Ratio Lower Upper
156 100
77 122.4 115.1 345.3
158 92.0 48.9 146.8



#78
n-propylbenzene
Concen: 0.201 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Tgt Ion: 91 Resp: 1852
Ion Ratio Lower Upper
91 100
120 16.5 10.8 32.4

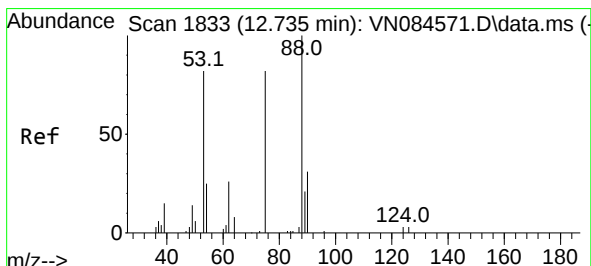
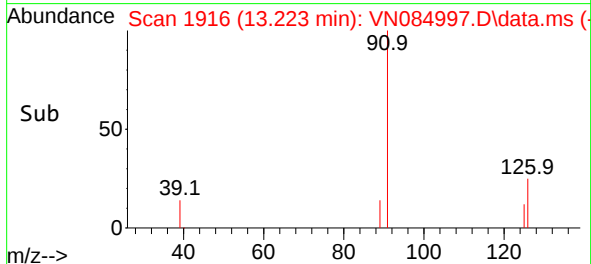
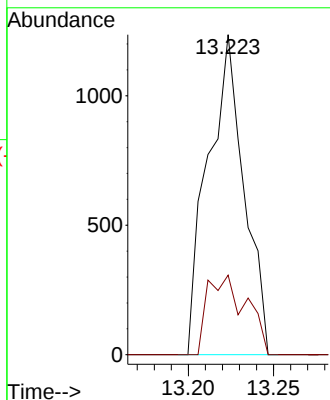
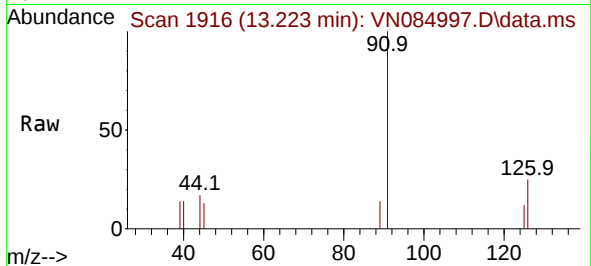




#79
2-Chlorotoluene
Concen: 0.302 ug/l
RT: 13.223 min Scan# 1899
Delta R.T. 0.100 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

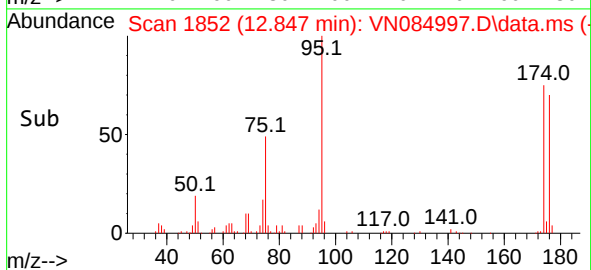
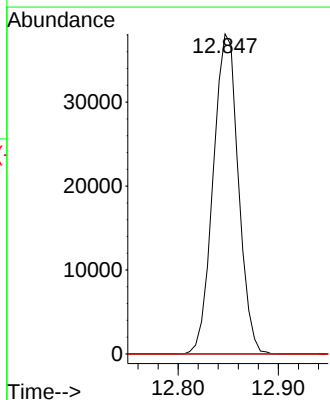
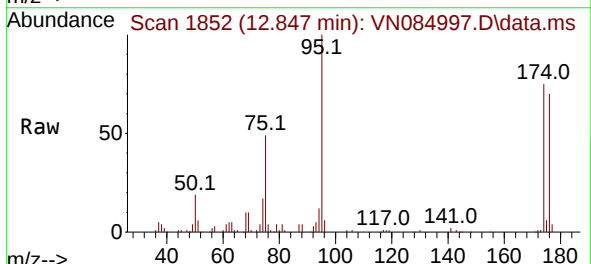
Instrument :
MSVOA_N
ClientSampleId :

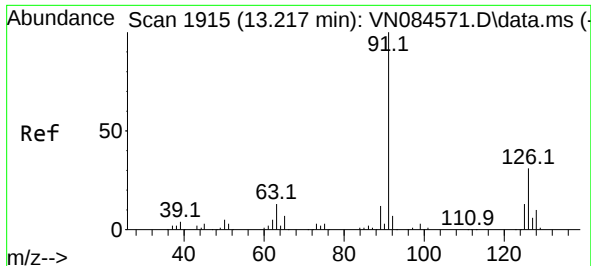
Tgt Ion: 91 Resp: 1821
Ion Ratio Lower Upper
91 100
126 26.6 15.7 47.1



#81
trans-1,4-Dichloro-2-butene
Concen: 70.153 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Tgt Ion: 75 Resp: 66438
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

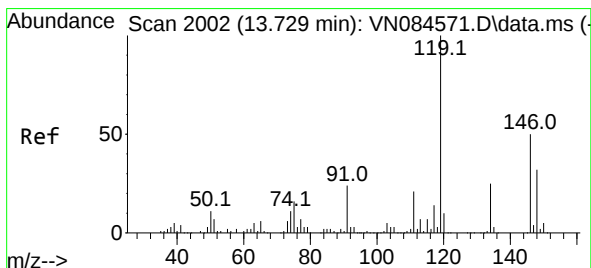
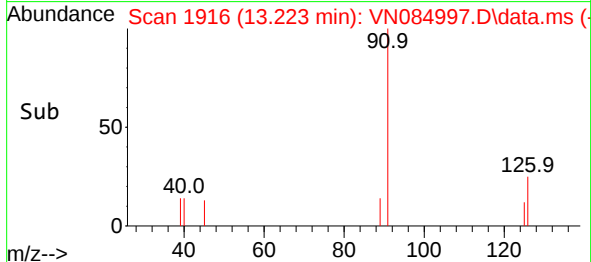
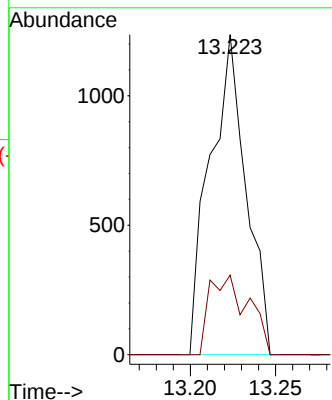
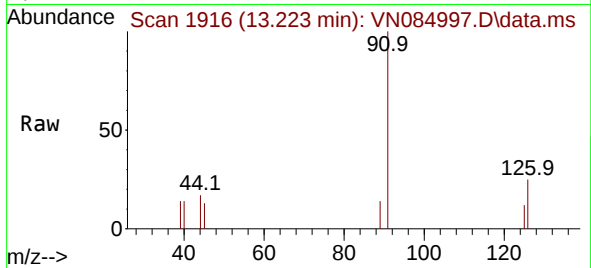




#82
4-Chlorotoluene
Concen: 0.287 ug/l
RT: 13.223 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

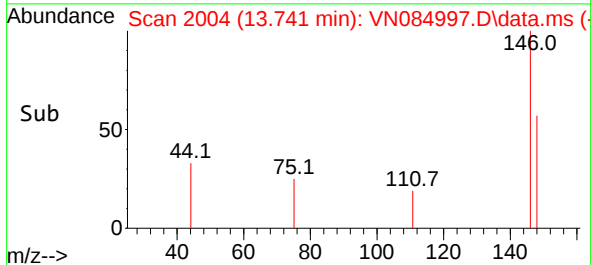
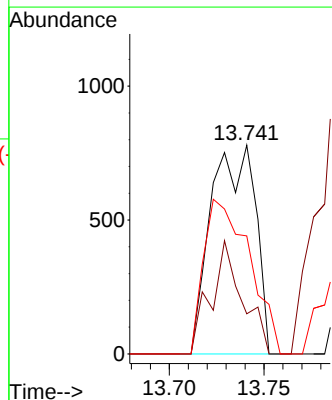
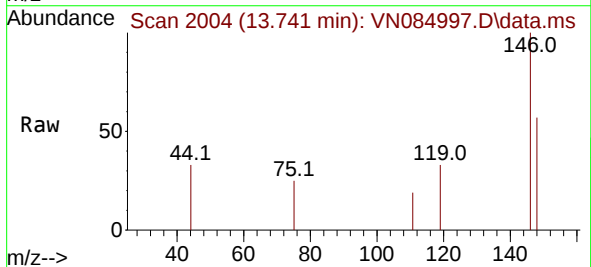
Instrument :
MSVOA_N
ClientSampleId :

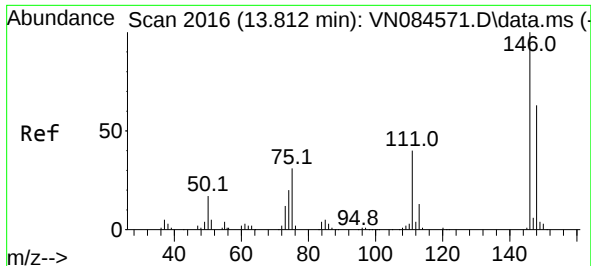
Tgt Ion: 91 Resp: 1821
Ion Ratio Lower Upper
91 100
126 26.6 15.7 47.1



#87
1,3-Dichlorobenzene
Concen: 0.306 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.012 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

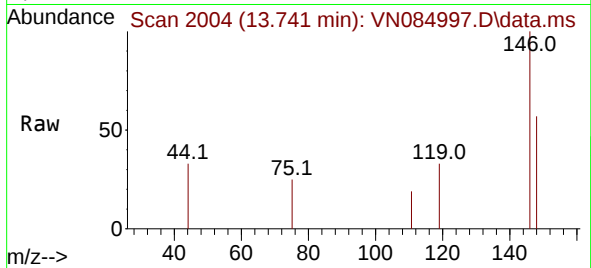
Tgt Ion: 146 Resp: 1263
Ion Ratio Lower Upper
146 100
111 39.0 21.8 65.3
148 76.8 31.9 95.7



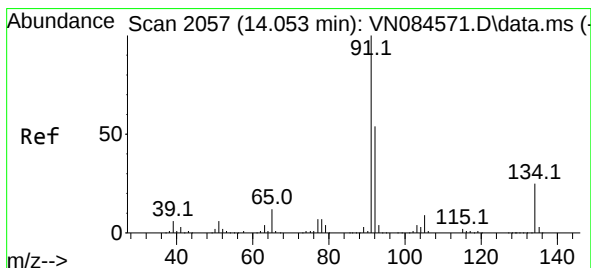
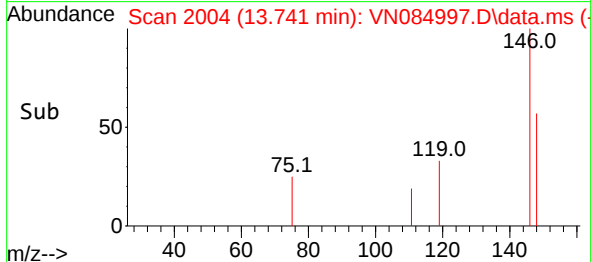
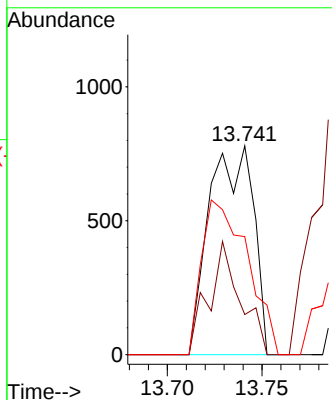


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.741 min Scan# 2016
Delta R.T. -0.071 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

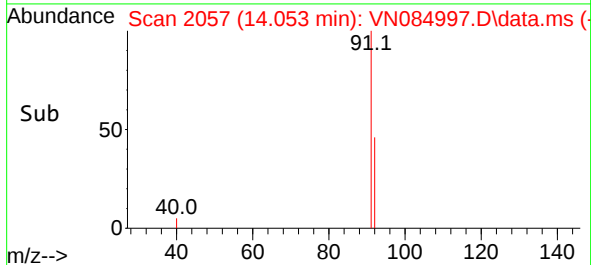
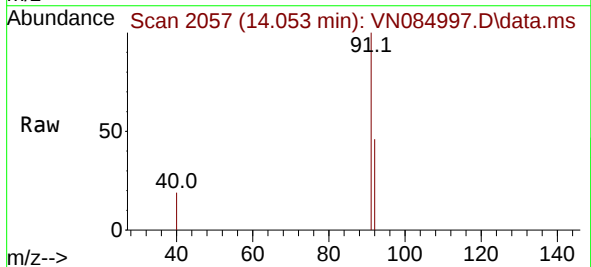
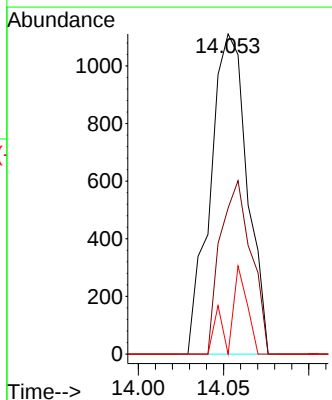


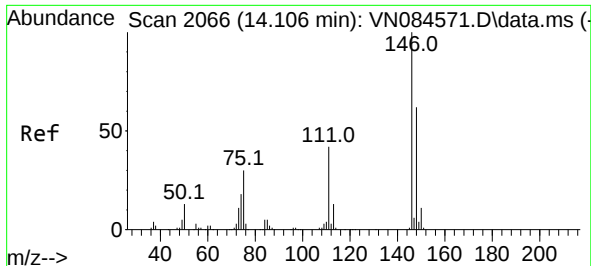
Tgt Ion:146 Resp: 1263
Ion Ratio Lower Upper
146 100
111 39.0 21.2 63.6
148 76.8 31.9 95.9



#89
n-Butylbenzene
Concen: 0.286 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN084997.D
Acq: 21 Nov 2024 16:21

Tgt Ion: 91 Resp: 1677
Ion Ratio Lower Upper
91 100
92 45.3 26.6 79.7
134 13.4 12.3 36.9





#91

1,2-Dichlorobenzene

Concen: 0.279 ug/l

RT: 14.111 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VN084997.D

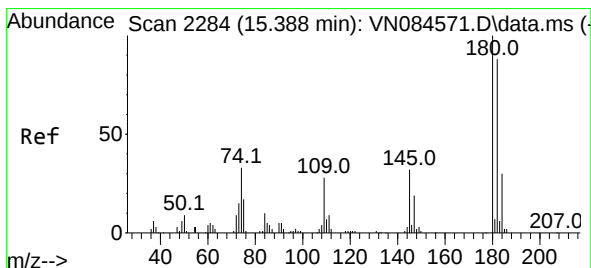
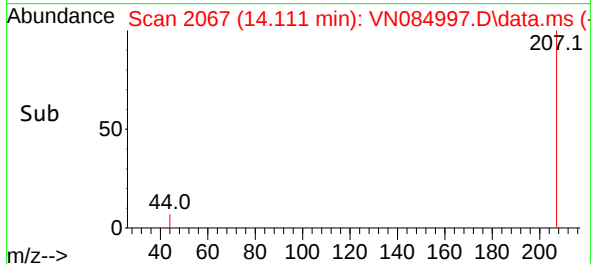
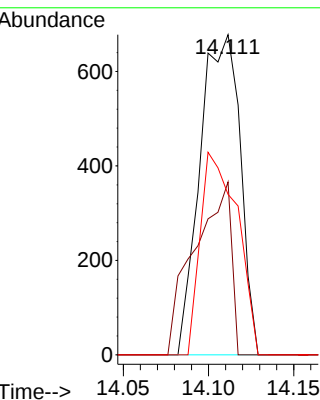
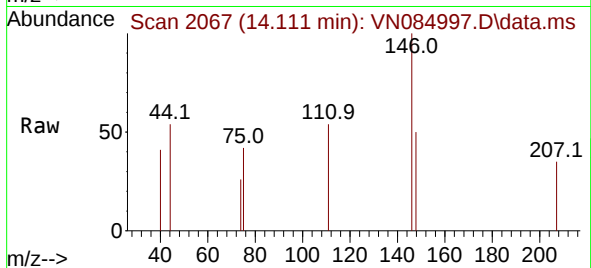
Acq: 21 Nov 2024 16:21

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:146	Resp:	1109
Ion Ratio	Lower	Upper
146	100	
111	49.5	22.0 66.0
148	58.4	32.1 96.3



#93

1,2,4-Trichlorobenzene

Concen: 0.818 ug/l

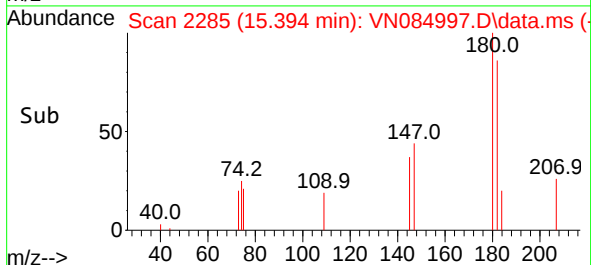
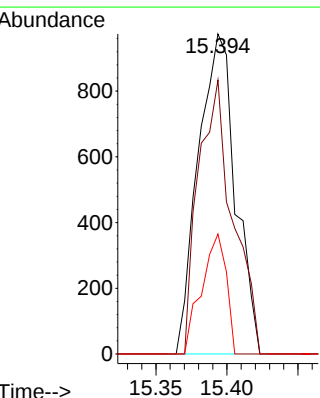
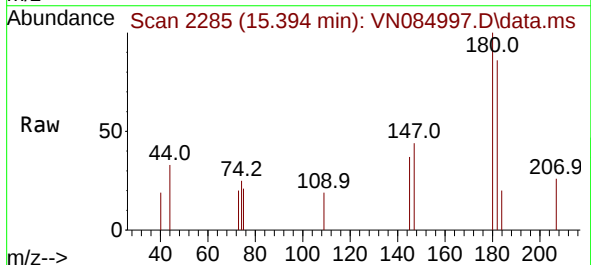
RT: 15.394 min Scan# 2285

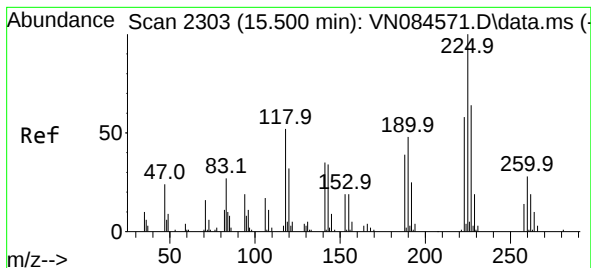
Delta R.T. 0.006 min

Lab File: VN084997.D

Acq: 21 Nov 2024 16:21

Tgt Ion:180	Resp:	1778
Ion Ratio	Lower	Upper
180	100	
182	78.8	47.0 141.0
145	24.7	16.4 49.4





#94

Hexachlorobutadiene

Concen: 0.404 ug/l

RT: 15.500 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN084997.D

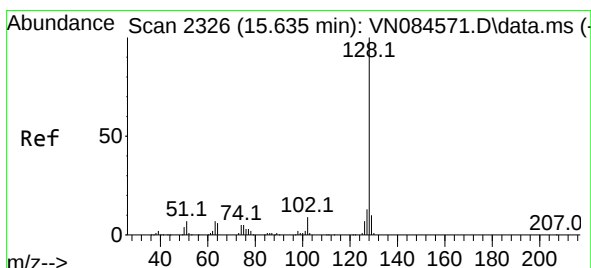
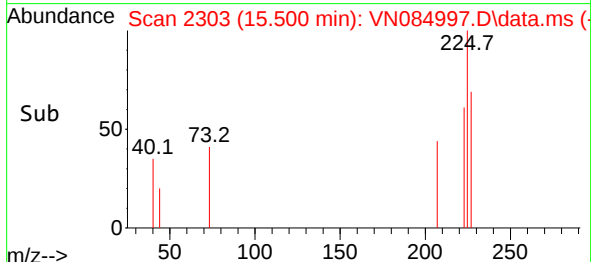
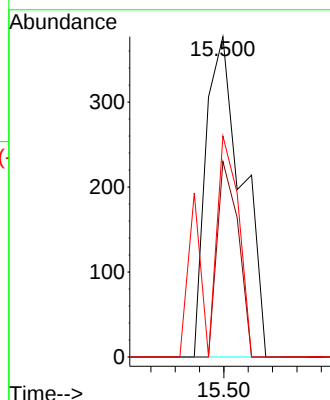
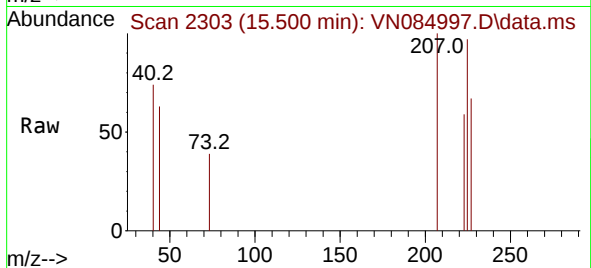
Acq: 21 Nov 2024 16:21

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:225	Resp:	386
Ion Ratio	Lower	Upper
225	100	
223	36.0	32.4 97.2
227	59.1	32.4 97.0



#95

Naphthalene

Concen: 0.617 ug/l

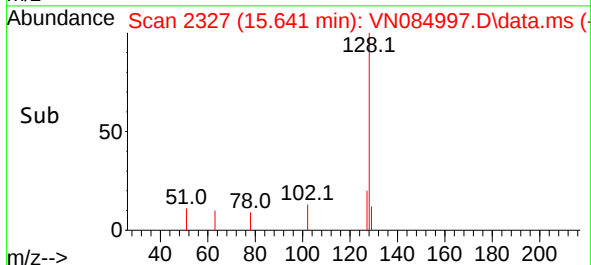
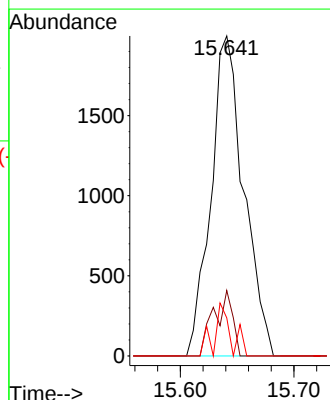
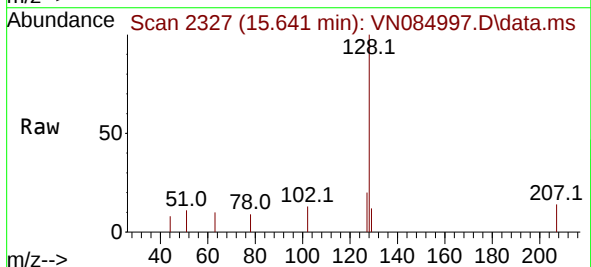
RT: 15.641 min Scan# 2327

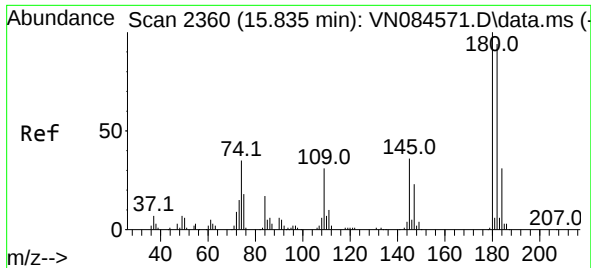
Delta R.T. 0.006 min

Lab File: VN084997.D

Acq: 21 Nov 2024 16:21

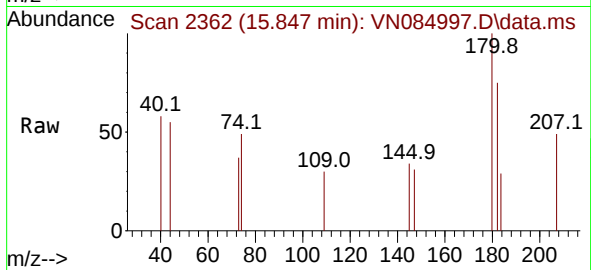
Tgt Ion:128	Resp:	4014
Ion Ratio	Lower	Upper
128	100	
127	11.8	10.5 15.7
129	8.4	8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.542 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN084997.D
 Acq: 21 Nov 2024 16:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1144
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.2 144.6#
 145 13.5 17.3 51.9#

