

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
 Data File : VN084641.D
 Acq On : 01 Nov 2024 16:19
 Operator : JC\MD
 Sample : P4665-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 04 04:29:34 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)

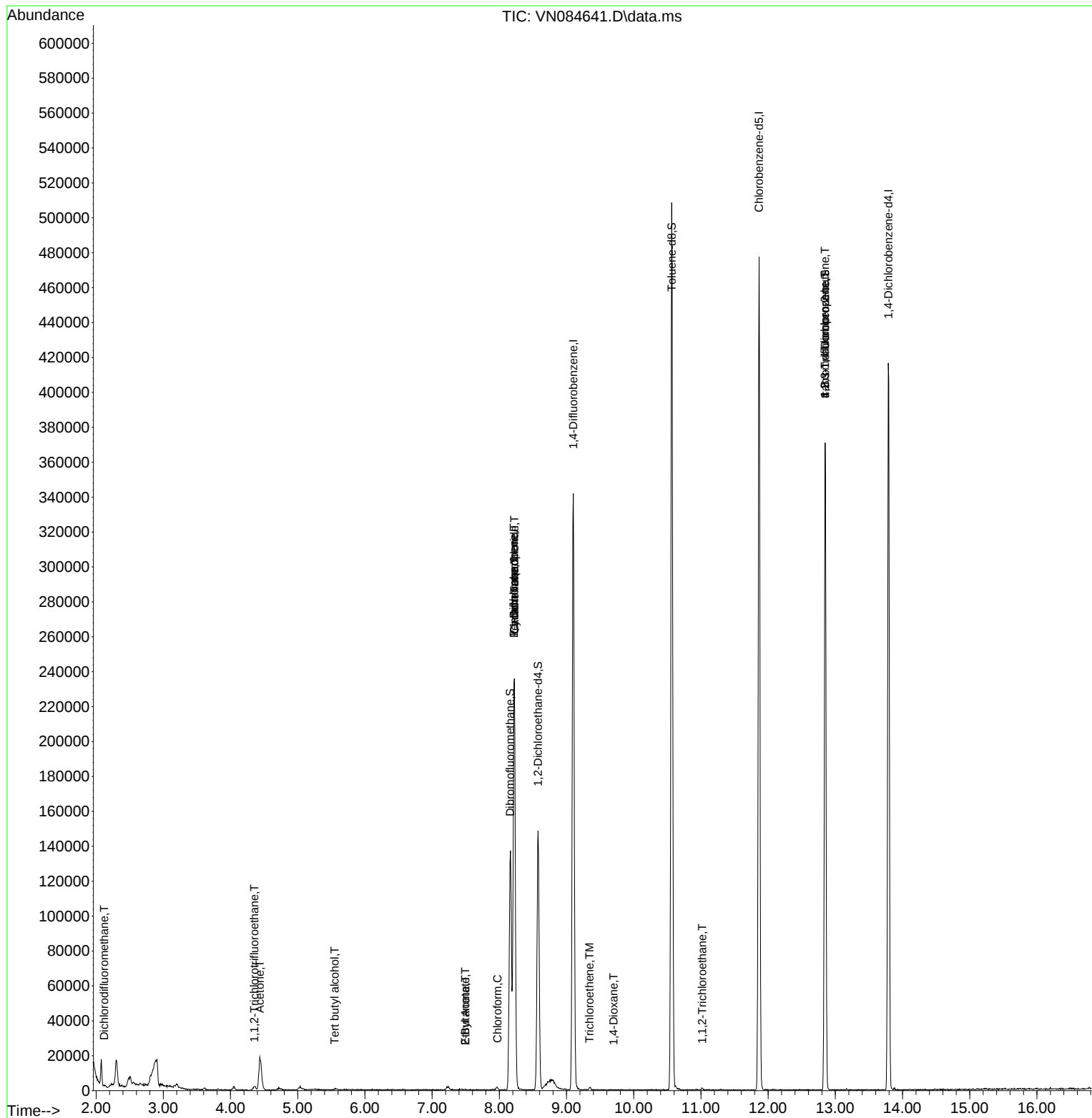
Internal Standards						
1) Pentafluorobenzene	8.218	168	169823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122601	49.984	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.960%		
35) Dibromofluoromethane	8.159	113	98779	49.458	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.920%		
50) Toluene-d8	10.565	98	347290	47.204	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.400%		
62) 4-Bromofluorobenzene	12.847	95	129879	47.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.480%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	946	0.485	ug/l	89
3) Chloromethane	2.360	50	774	Below Cal	#	41
6) Chloroethane	3.107	64	219	Below Cal	#	45
9) 1,1,2-Trichlorotrifluo...	4.354	101	1117	0.572	ug/l	92
11) Tert butyl alcohol	5.548	59	370	1.143	ug/l #	73
16) Acetone	4.436	43	2819	1.139	ug/l #	81
18) Methyl Acetate	5.036	43	3594	Below Cal	#	81
25) 2-Butanone	7.494	43	533	0.466	ug/l #	48
30) Chloroform	7.971	83	1609	0.423	ug/l	89
31) Cyclohexane	8.224	56	3812	1.126	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14622	5.279	ug/l #	51
37) Ethyl Acetate	7.494	43	533	0.212	ug/l #	83
38) Carbon Tetrachloride	8.224	117	18403	5.944	ug/l #	15
43) Isopropyl Acetate	8.683	43	2362	Below Cal	#	56
44) Trichloroethene	9.341	130	532	0.259	ug/l	92
49) 1,4-Dioxane	9.700	88	91	2.626	ug/l #	23
55) 1,1,2-Trichloroethane	11.018	97	631	0.322	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	68327	29.609	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68327	70.245	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	129	Below Cal	#	58

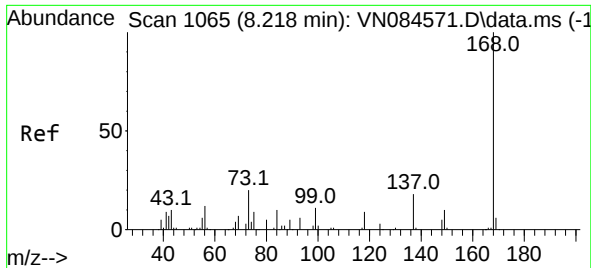
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

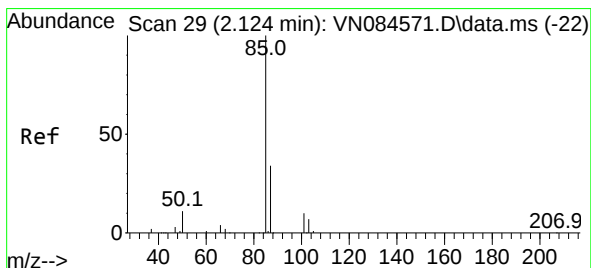
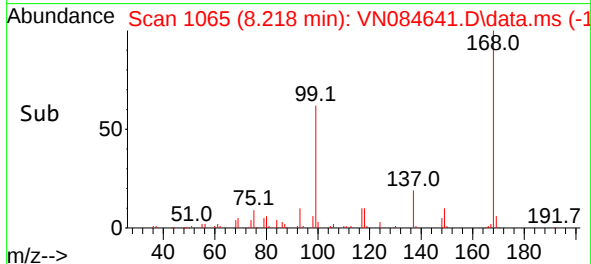
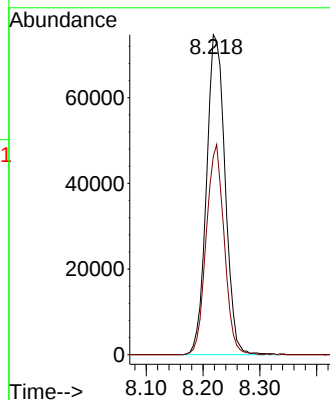
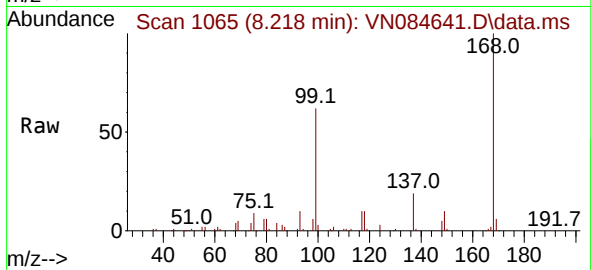




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

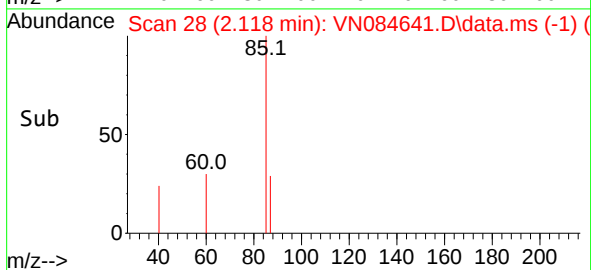
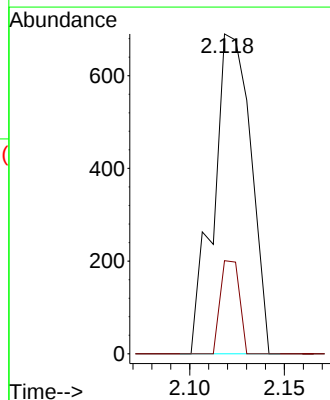
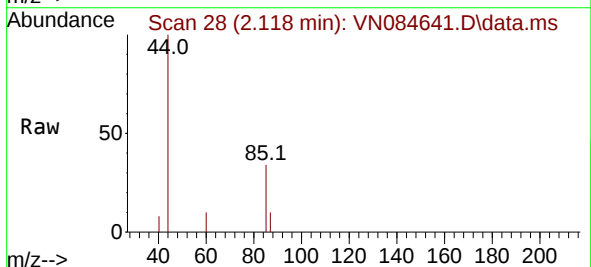
Instrument :
MSVOA_N
ClientSampleId :

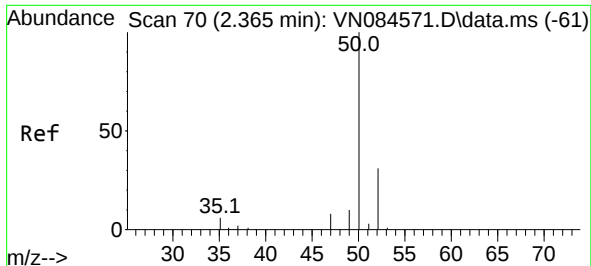
Tgt Ion:168 Resp: 169823
Ion Ratio Lower Upper
168 100
99 61.9 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.485 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 85 Resp: 946
Ion Ratio Lower Upper
85 100
87 29.1 17.6 52.9

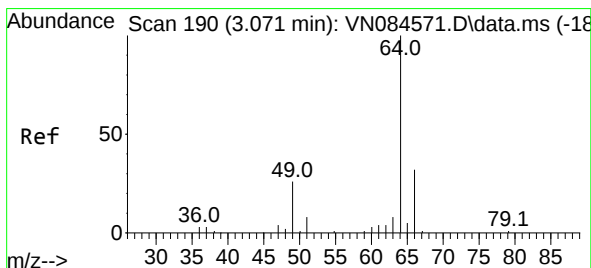
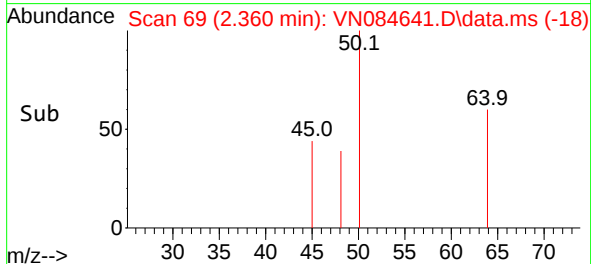
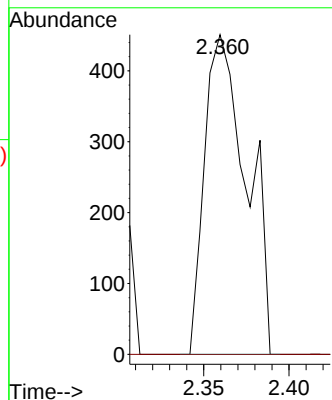
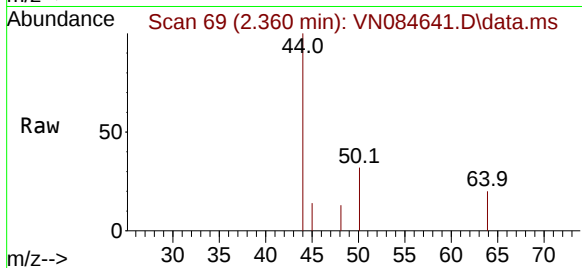




#3
Chloromethane
Concen: Below Cal
RT: 2.360 min Scan# 61
Delta R.T. 0.001 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

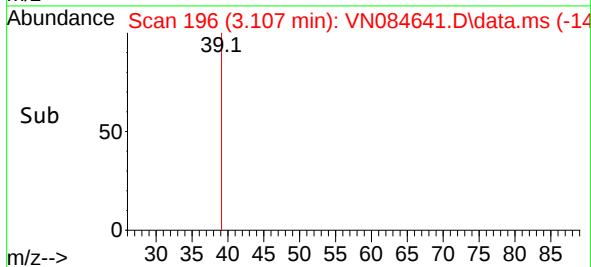
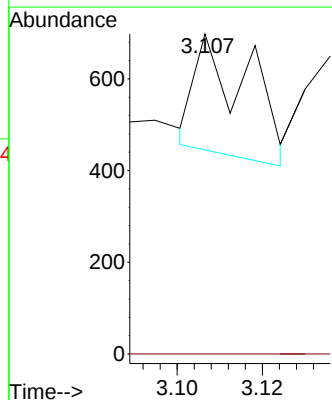
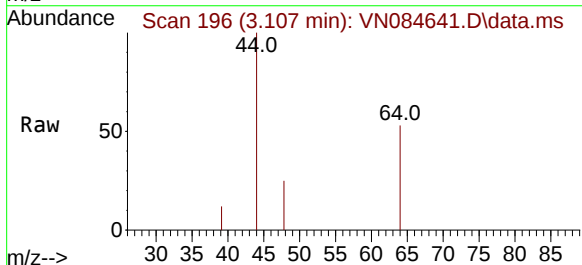
Instrument :
MSVOA_N
ClientSampleId :

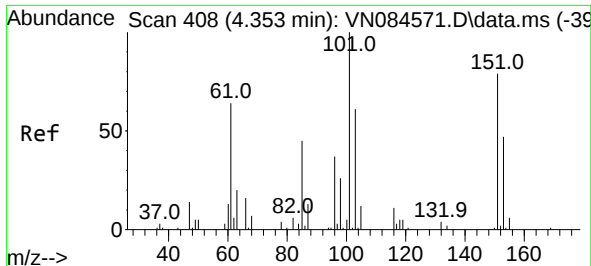
Tgt Ion: 50 Resp: 774
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#6
Chloroethane
Concen: Below Cal
RT: 3.107 min Scan# 196
Delta R.T. -0.011 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 64 Resp: 219
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

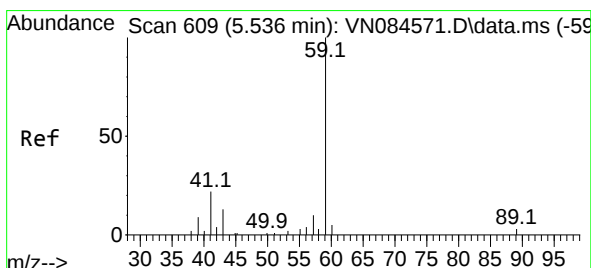
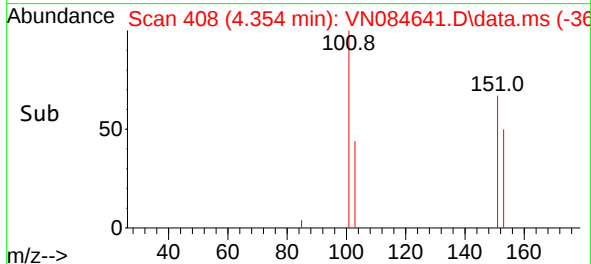
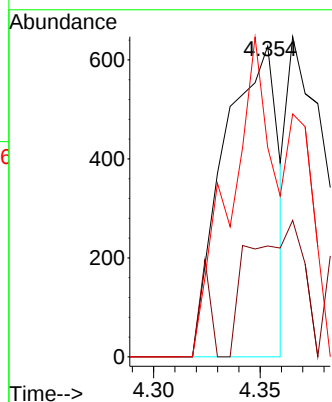
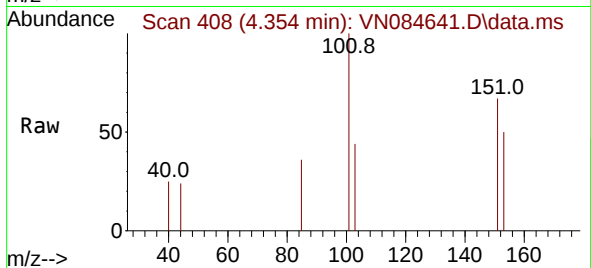




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.572 ug/l
RT: 4.354 min Scan# 408
Delta R.T. -0.018 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

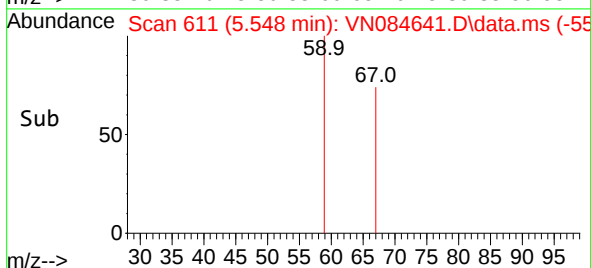
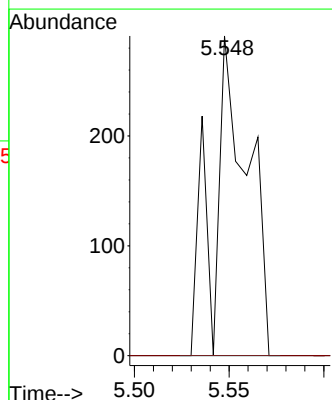
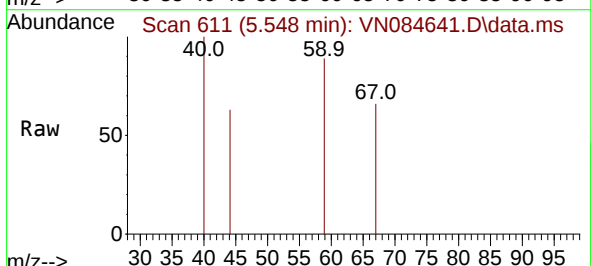
Instrument :
MSVOA_N
ClientSampleId :

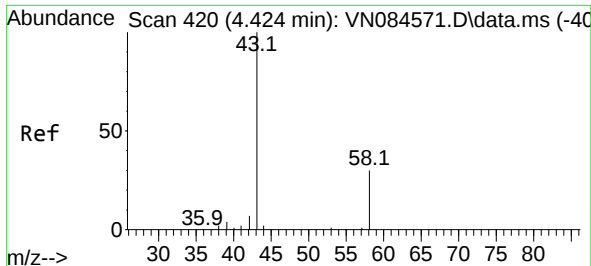
Tgt Ion:101 Resp: 1117
Ion Ratio Lower Upper
101 100
85 49.1 36.2 54.4
151 81.8 59.3 88.9



#11
Tert butyl alcohol
Concen: 1.143 ug/l
RT: 5.548 min Scan# 611
Delta R.T. 0.024 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

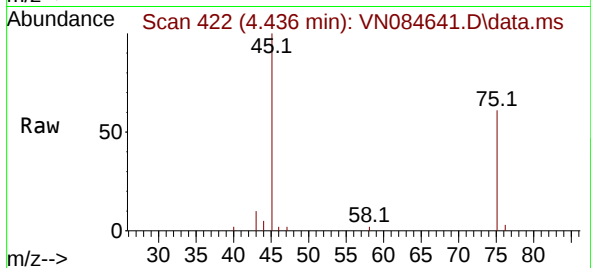
Tgt Ion: 59 Resp: 370
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



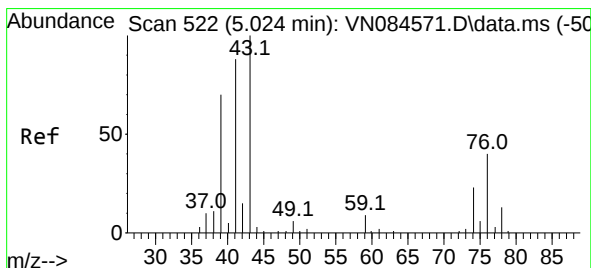
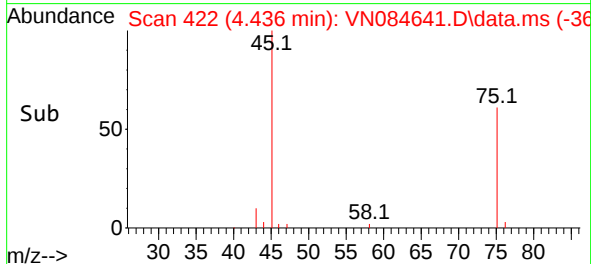
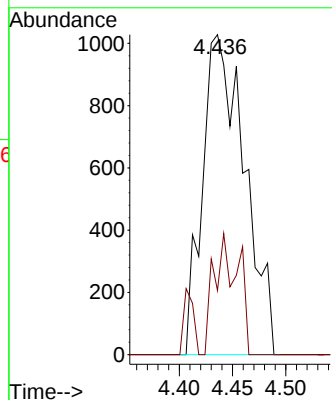


#16
Acetone
Concen: 1.139 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :

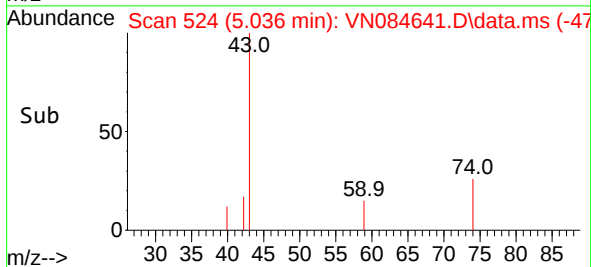
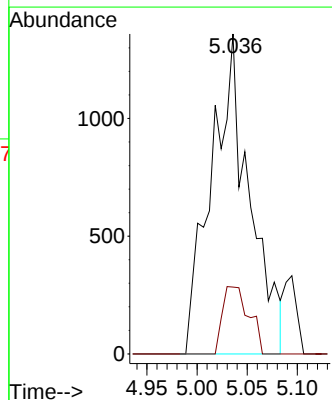
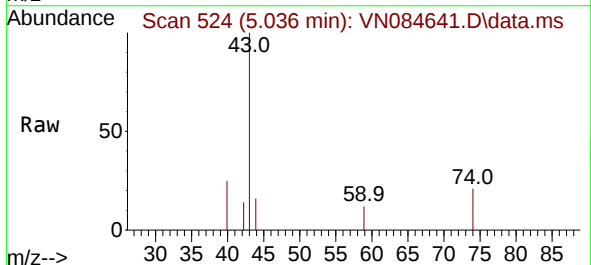


Tgt Ion: 43 Resp: 2819
Ion Ratio Lower Upper
43 100
58 20.0 24.4 36.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

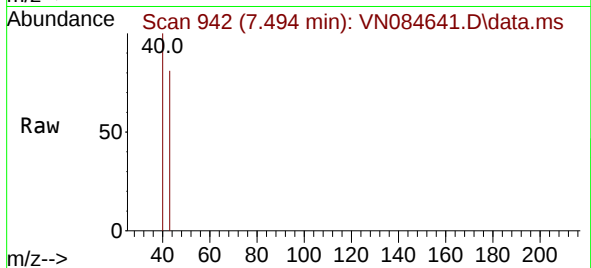
Tgt Ion: 43 Resp: 3594
Ion Ratio Lower Upper
43 100
74 14.5 19.2 28.8#



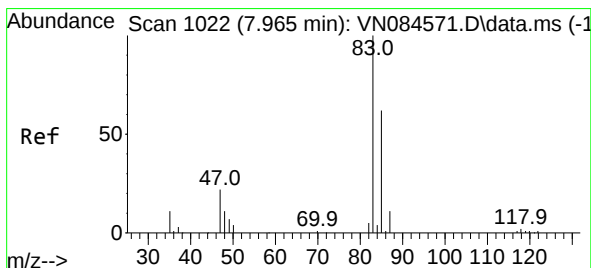
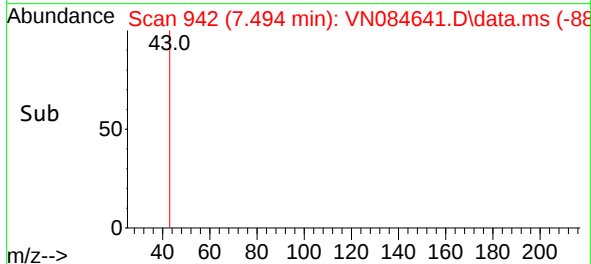
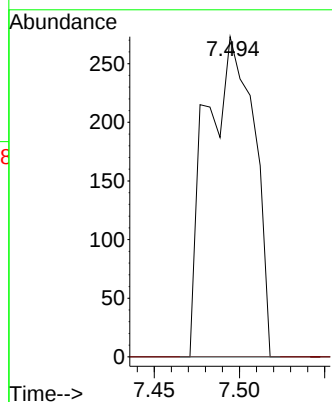


#25
2-Butanone
Concen: 0.466 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :

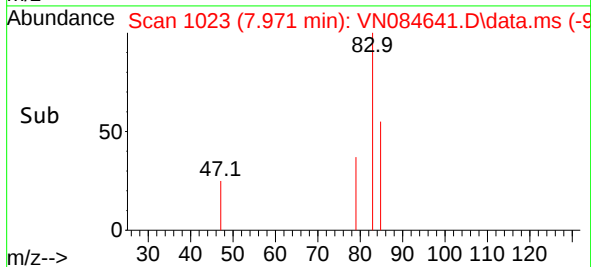
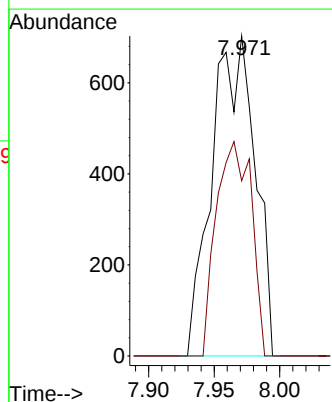
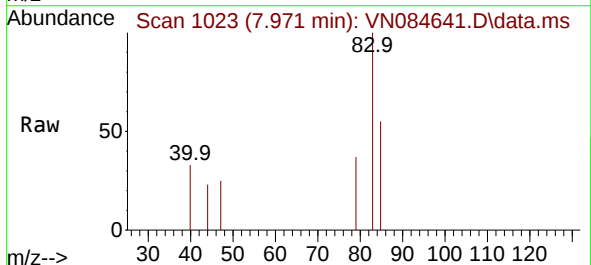


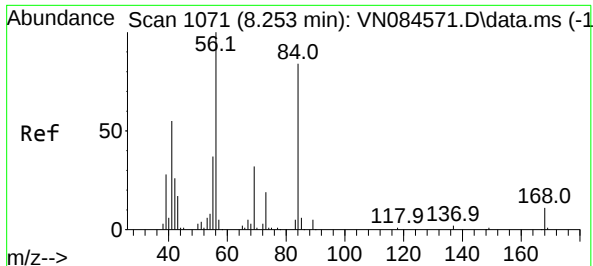
Tgt Ion: 43 Resp: 533
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#30
Chloroform
Concen: 0.423 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 83 Resp: 1609
Ion Ratio Lower Upper
83 100
85 54.8 51.0 76.4





#31

Cyclohexane

Concen: 1.126 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

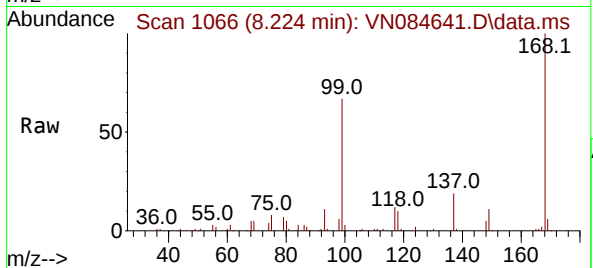
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Acq: 01 Nov 2024 16:19

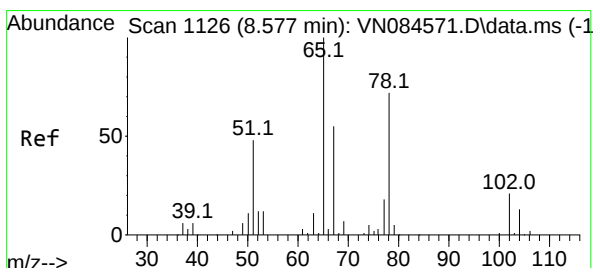
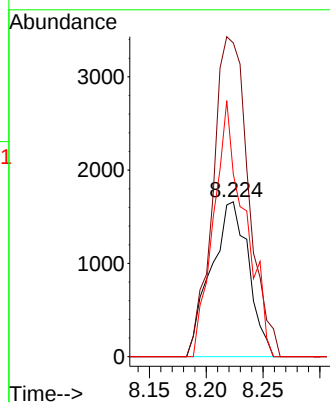
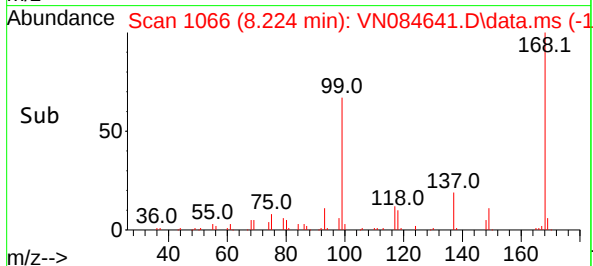
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 3812
Ion Ratio	Lower Upper
56	100
69	202.7 23.8 35.6#
84	117.8 68.8 103.2#



#33

1,2-Dichloroethane-d4

Concen: 49.984 ug/l

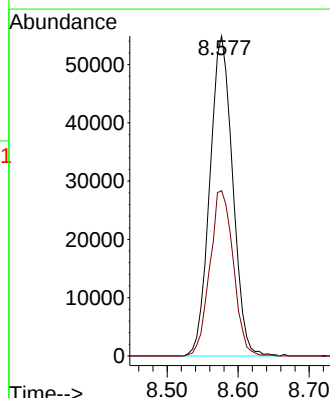
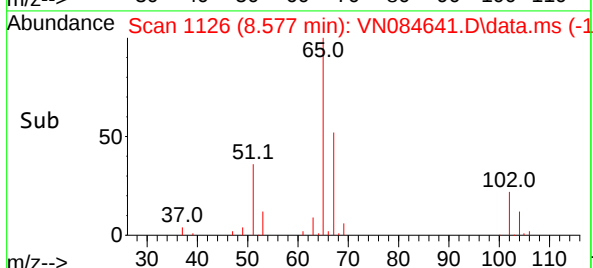
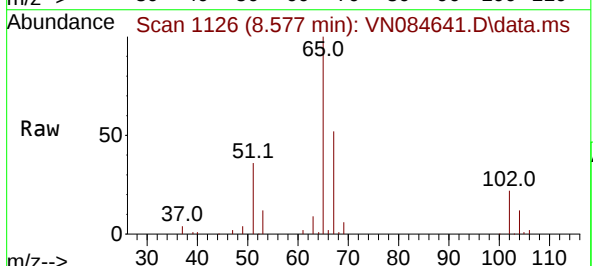
RT: 8.577 min Scan# 1126

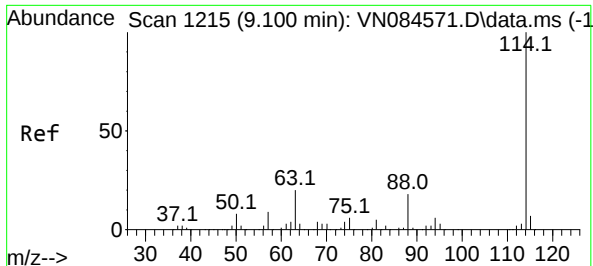
Delta R.T. -0.000 min

Lab File: VN084641.D

Acq: 01 Nov 2024 16:19

Tgt Ion: 65	Resp: 122601
Ion Ratio	Lower Upper
65	100
67	53.0 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: VN084641.D

Acq: 01 Nov 2024 16:19

Instrument :

MSVOA_N

ClientSampleId :

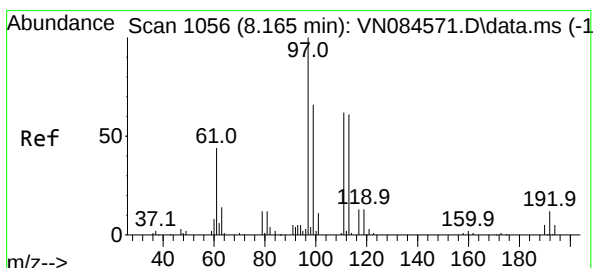
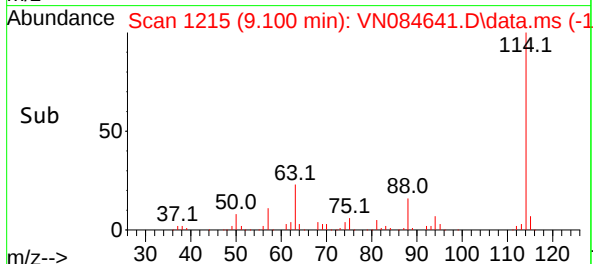
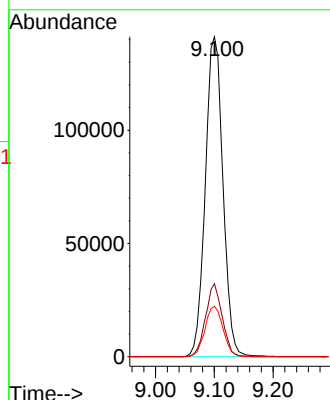
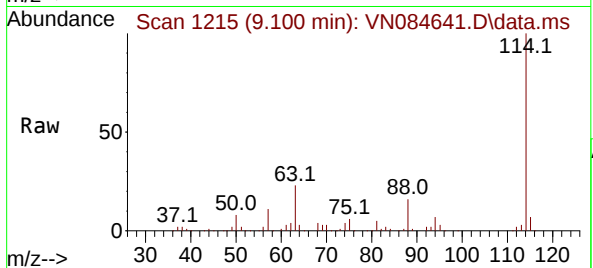
Tgt Ion:114 Resp: 295064

Ion Ratio Lower Upper

114 100

63 22.8 0.0 43.8

88 15.7 0.0 31.6



#35

Dibromofluoromethane

Concen: 49.458 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084641.D

Acq: 01 Nov 2024 16:19

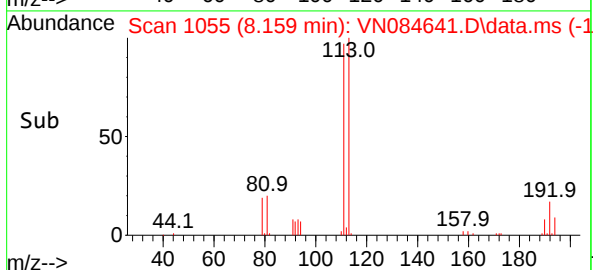
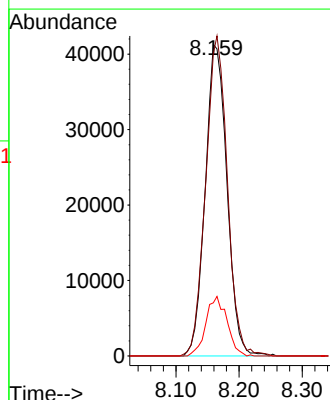
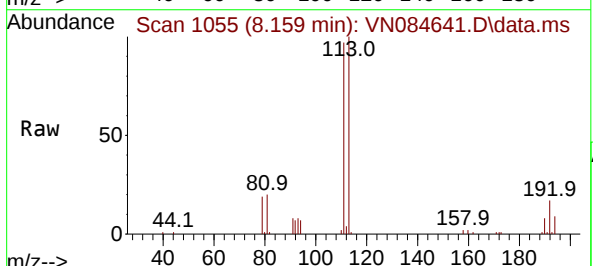
Tgt Ion:113 Resp: 98779

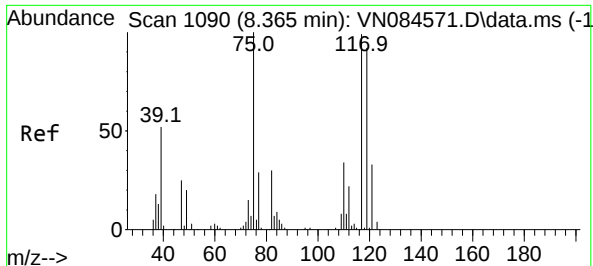
Ion Ratio Lower Upper

113 100

111 102.5 83.3 124.9

192 18.6 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.279 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

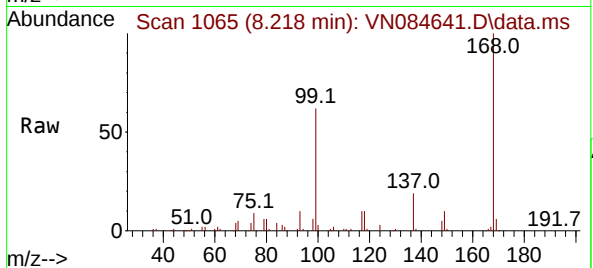
Lab File: VN084641.D

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MSVOA_N

ClientSampleId :



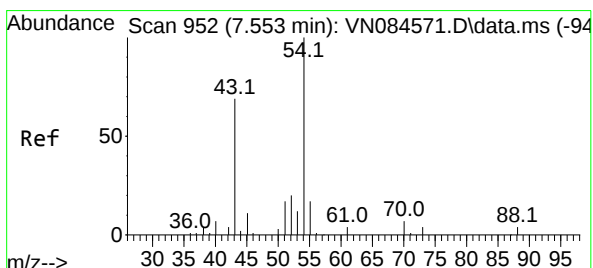
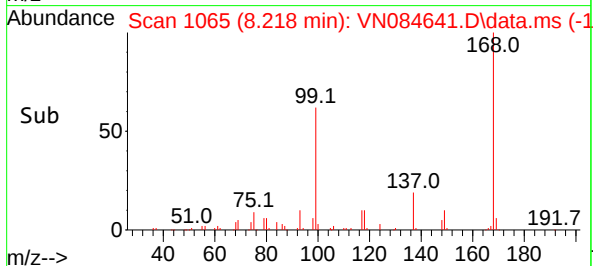
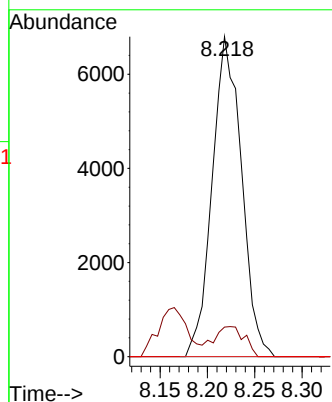
Tgt Ion: 75 Resp: 14622

Ion Ratio Lower Upper

75 100

110 9.7 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.212 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.065 min

Lab File: VN084641.D

Acq: 01 Nov 2024 16:19

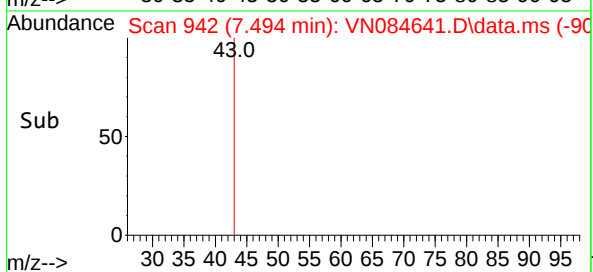
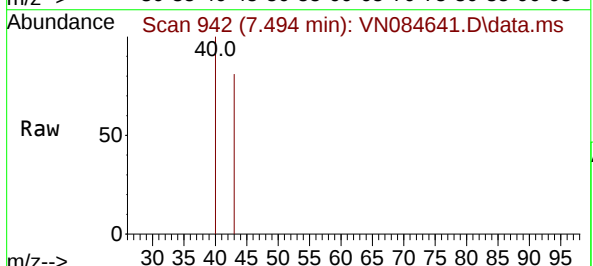
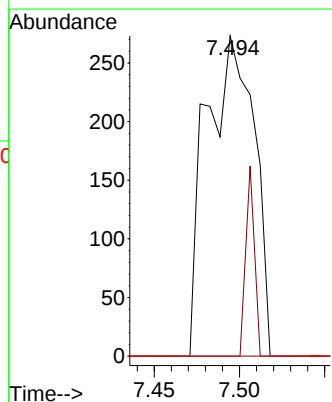
Tgt Ion: 43 Resp: 533

Ion Ratio Lower Upper

43 100

61 10.7 10.7 16.1#

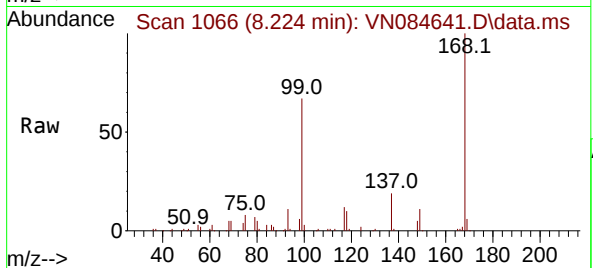
70 0.0 8.8 13.2#



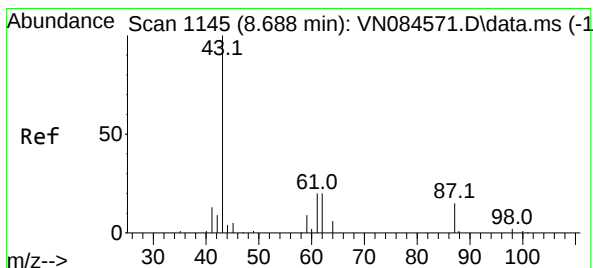
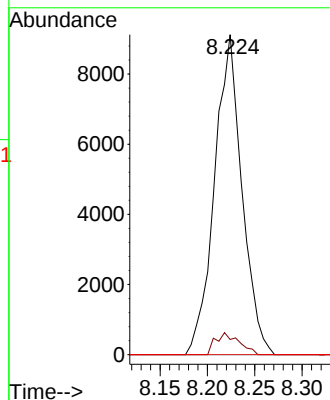
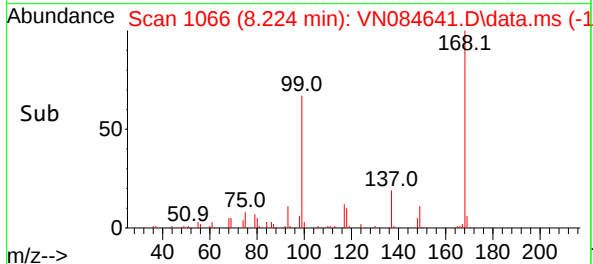


#38
Carbon Tetrachloride
Concen: 5.944 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :

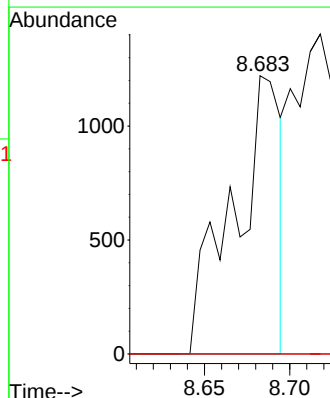
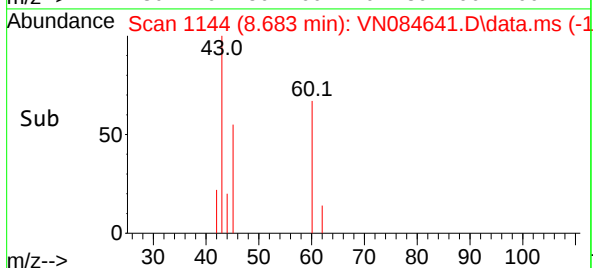
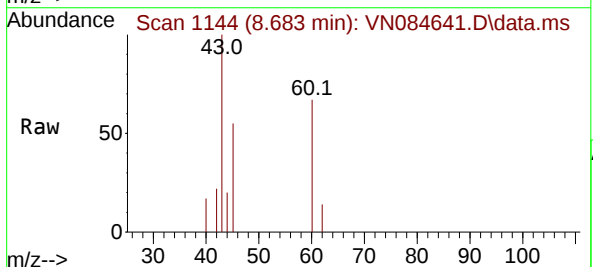


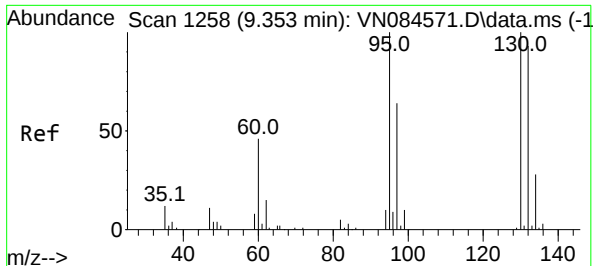
Tgt Ion:117 Resp: 18403
Ion Ratio Lower Upper
117 100
119 4.7 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.683 min Scan# 1144
Delta R.T. -0.005 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 43 Resp: 2362
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#

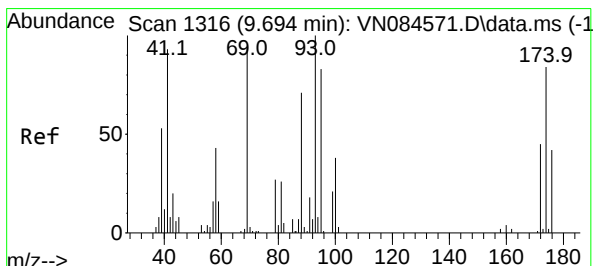
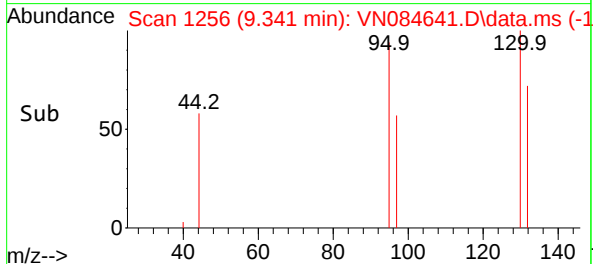
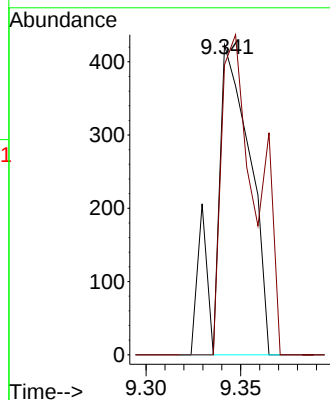
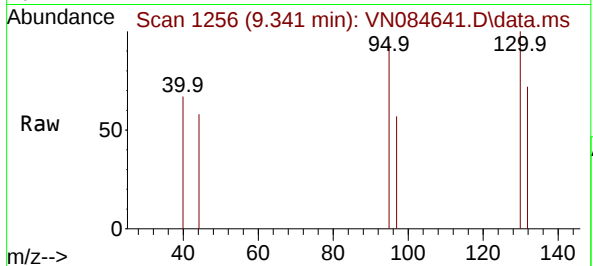




#44
Trichloroethene
Concen: 0.259 ug/l
RT: 9.341 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

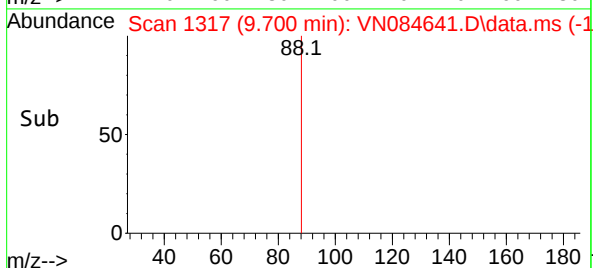
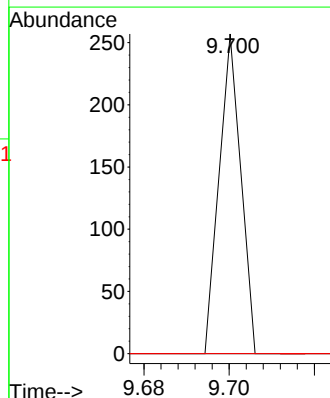
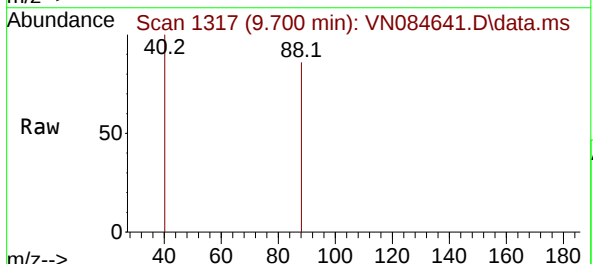
Instrument :
MSVOA_N
ClientSampleId :

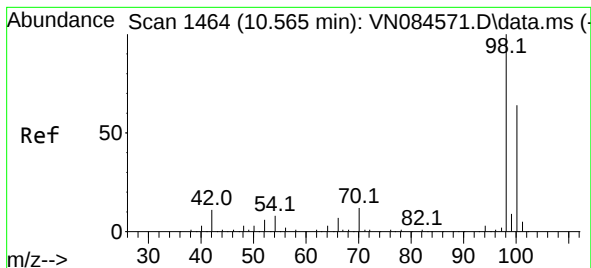
Tgt Ion:130 Resp: 532
Ion Ratio Lower Upper
130 100
95 93.6 0.0 203.0



#49
1,4-Dioxane
Concen: 2.626 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 0.0 25.3 37.9#
58 0.0 56.4 84.6#

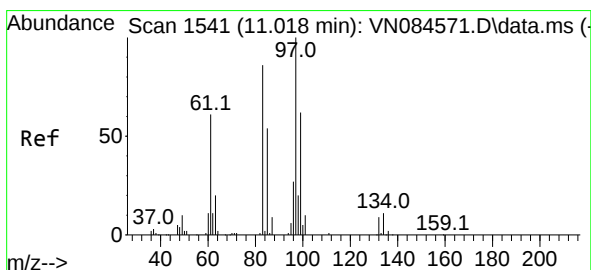
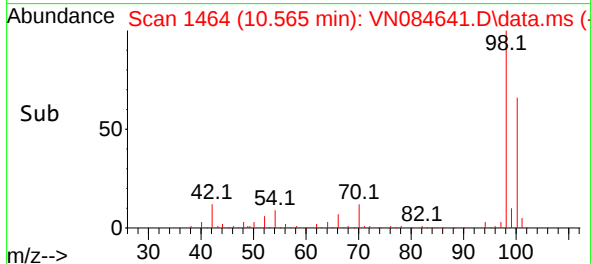
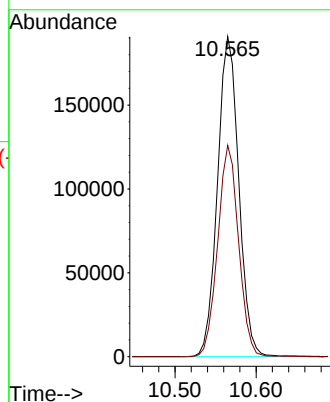
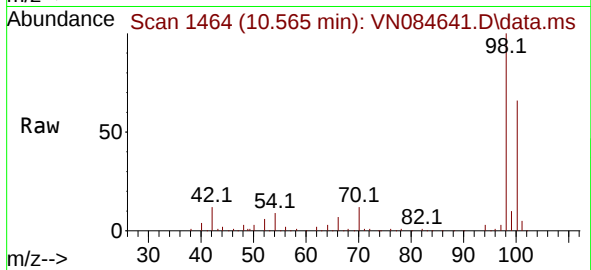




#50
Toluene-d8
Concen: 47.204 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

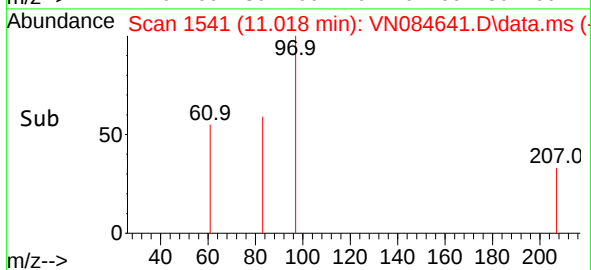
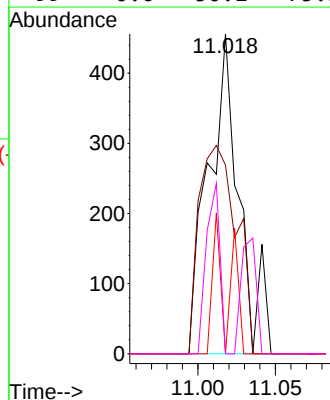
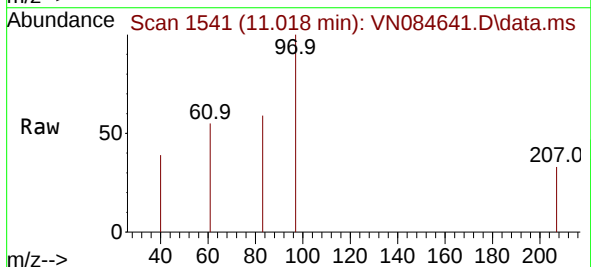
Instrument :
MSVOA_N
ClientSampleId :

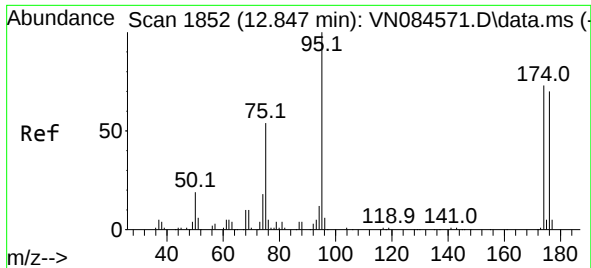
Tgt Ion: 98 Resp: 347290
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#55
1,1,2-Trichloroethane
Concen: 0.322 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 97 Resp: 631
Ion Ratio Lower Upper
97 100
83 59.0 71.0 106.4#
85 0.0 41.7 62.5#
99 0.0 50.1 75.1#

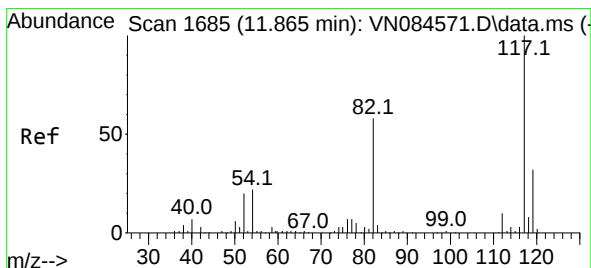
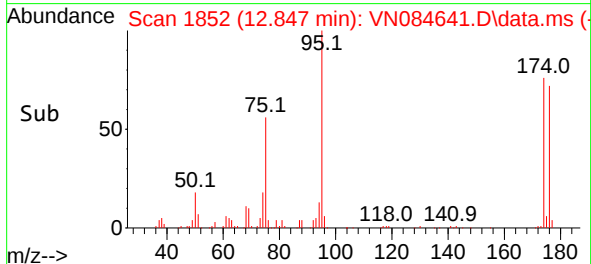
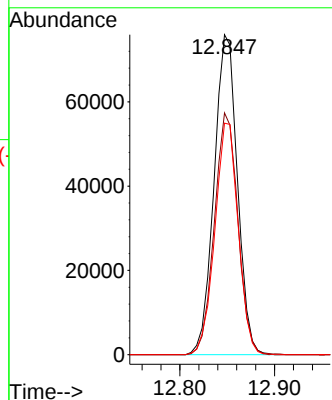
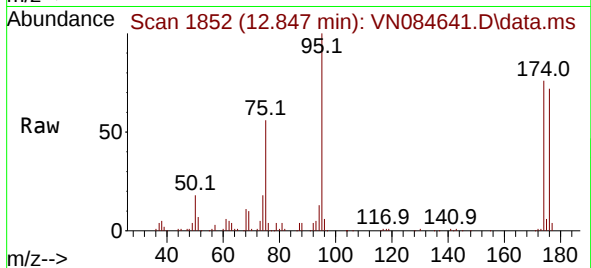




#62
4-Bromofluorobenzene
Concen: 47.236 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

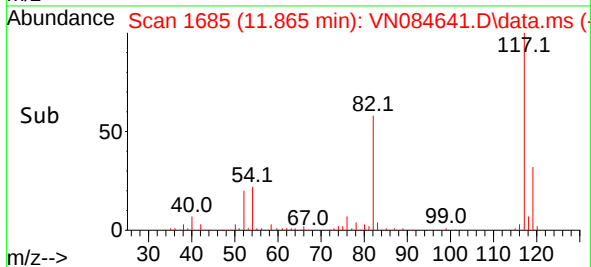
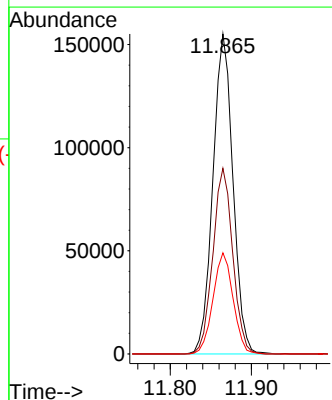
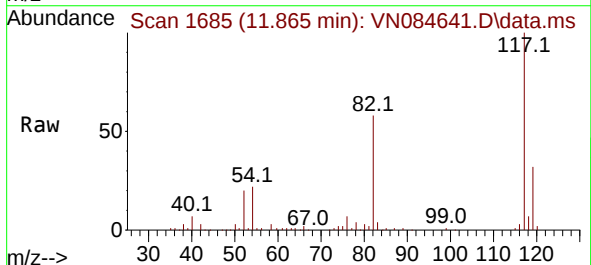
Instrument :
MSVOA_N
ClientSampleId :

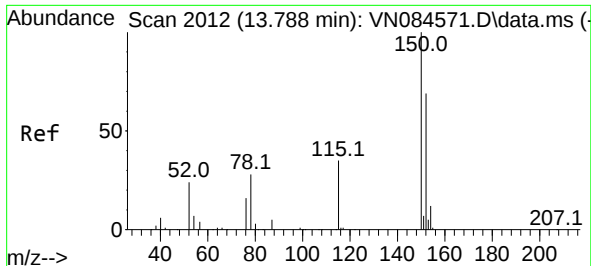
Tgt Ion: 95 Resp: 129879
Ion Ratio Lower Upper
95 100
174 76.1 0.0 145.2
176 72.7 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

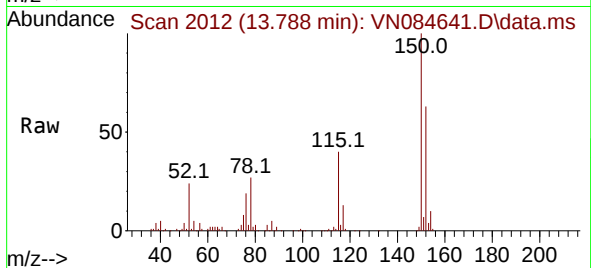
Tgt Ion: 117 Resp: 266018
Ion Ratio Lower Upper
117 100
82 58.0 47.2 70.8
119 31.6 25.4 38.0



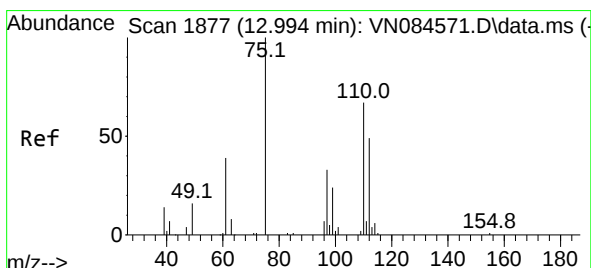
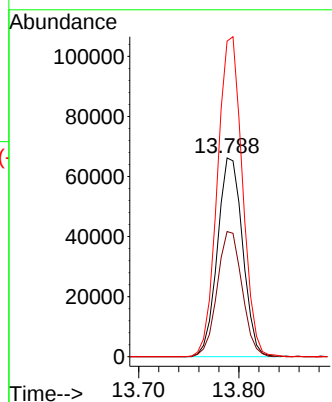
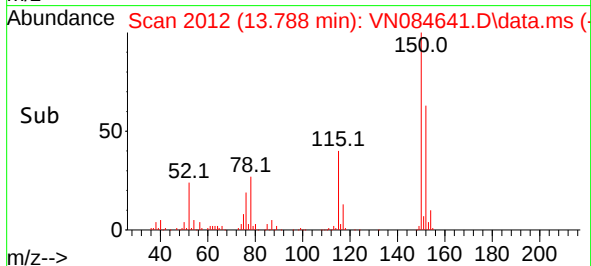


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN084641.D
 Acq: 01 Nov 2024 16:19

Instrument :
 MSVOA_N
 ClientSampleId :

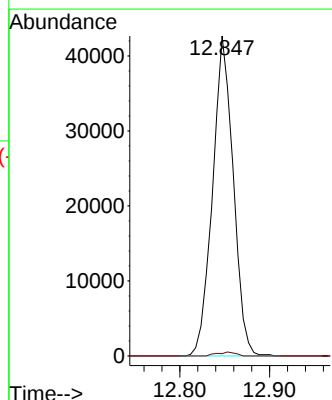
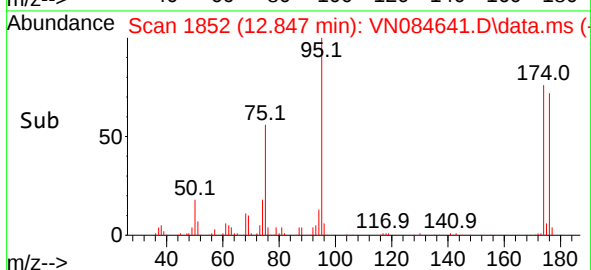
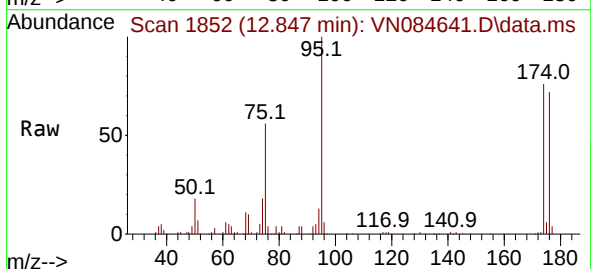


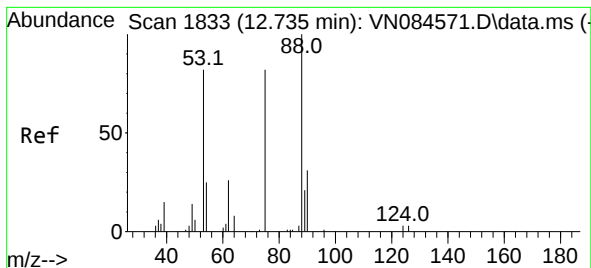
Tgt Ion:152 Resp: 115441
 Ion Ratio Lower Upper
 152 100
 115 62.3 31.3 93.9
 150 159.6 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 29.609 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084641.D
 Acq: 01 Nov 2024 16:19

Tgt Ion: 75 Resp: 68327
 Ion Ratio Lower Upper
 75 100
 77 1.1 96.9 290.7#

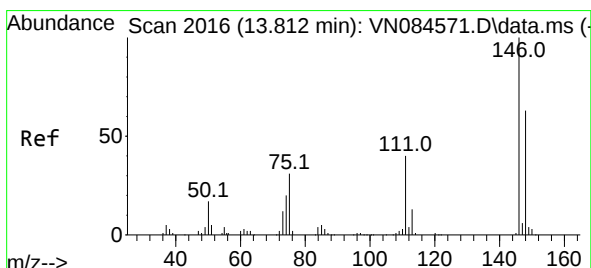
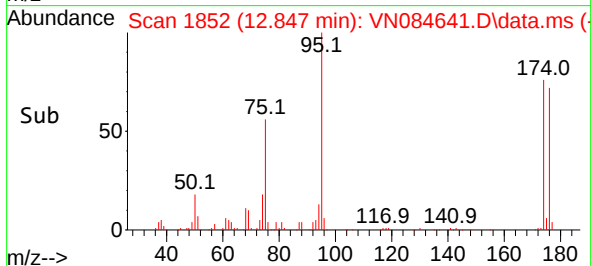
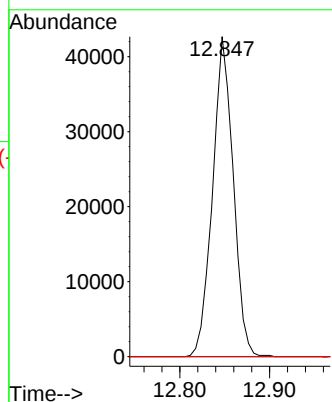
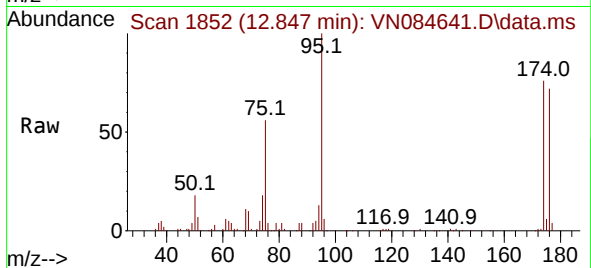




#81
trans-1,4-Dichloro-2-butene
Concen: 70.245 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 68327
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion:146 Resp: 129
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 44.2 31.9 95.9

