

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
 Data File : VN084783.D
 Acq On : 11 Nov 2024 19:42
 Operator : JC\MD
 Sample : P4795-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LAW-23-00189

Quant Time: Nov 12 00:38:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

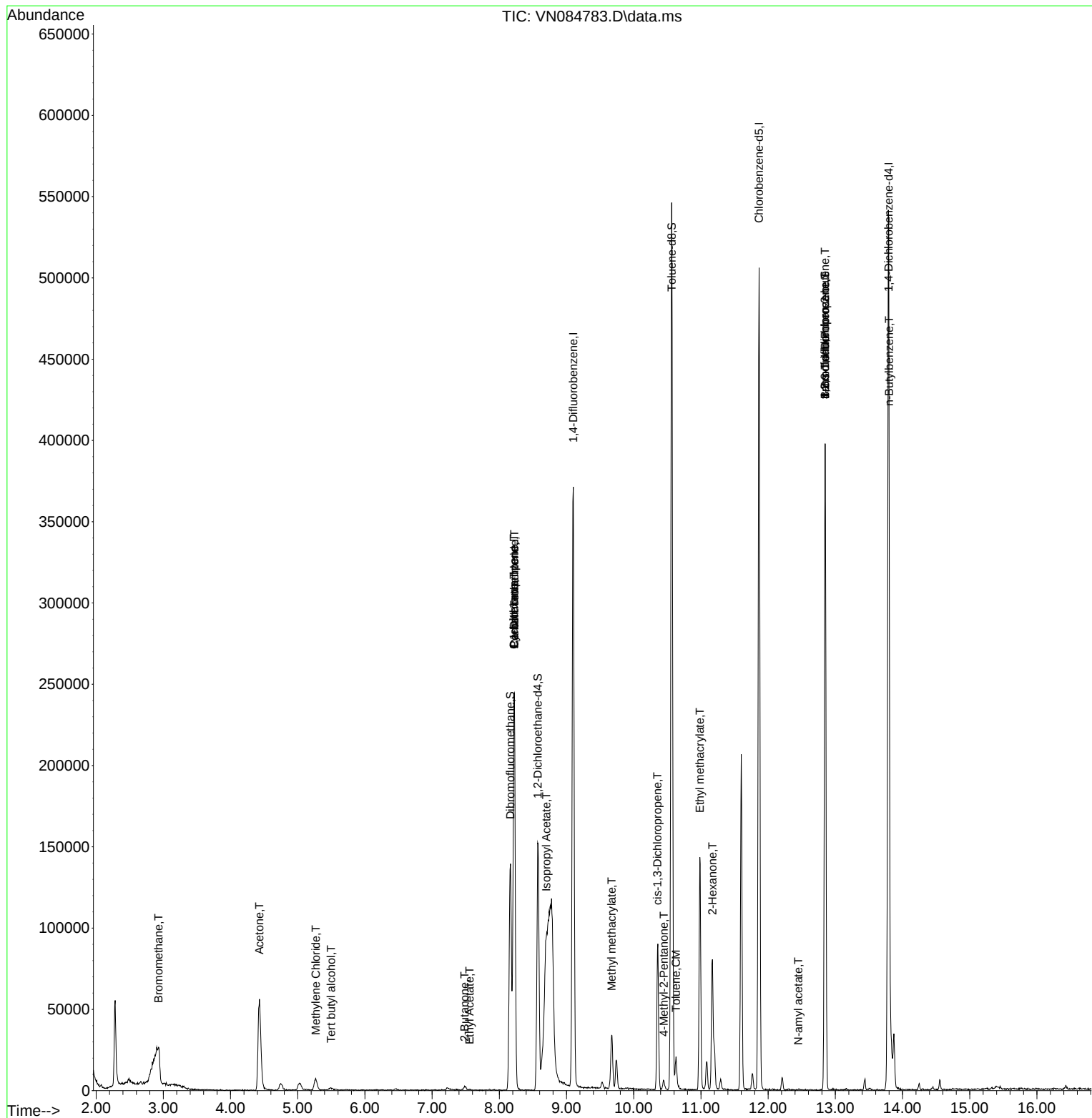
Internal Standards						
1) Pentafluorobenzene	8.224	168	179230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	318250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	135829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	128866	49.780	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.560%		
35) Dibromofluoromethane	8.165	113	102784	47.714	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.420%		
50) Toluene-d8	10.565	98	375371	47.304	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.600%		
62) 4-Bromofluorobenzene	12.847	95	140124	47.249	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.500%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	564	Below Cal	#	41
5) Bromomethane	2.930	94	238	0.203	ug/l #	38
6) Chloroethane	3.124	64	253	Below Cal	#	45
11) Tert butyl alcohol	5.495	59	1006	2.944	ug/l #	73
16) Acetone	4.430	43	107259	142.208	ug/l	97
18) Methyl Acetate	5.024	43	9965	Below Cal		97
20) Methylene Chloride	5.271	84	5482	2.408	ug/l #	85
25) 2-Butanone	7.483	43	4560	3.776	ug/l	99
31) Cyclohexane	8.218	56	3777	1.057	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14369	4.810	ug/l #	51
37) Ethyl Acetate	7.559	43	563	0.208	ug/l #	69
38) Carbon Tetrachloride	8.224	117	19177	5.743	ug/l #	14
43) Isopropyl Acetate	8.700	43	129157	25.316	ug/l #	65
48) Methyl methacrylate	9.671	41	2061	0.977	ug/l #	44
51) 4-Methyl-2-Pentanone	10.447	43	5428	2.101	ug/l #	83
52) Toluene	10.630	92	8092	1.442	ug/l	93
54) cis-1,3-Dichloropropene	10.353	75	15706	4.282	ug/l #	68
56) Ethyl methacrylate	10.982	69	915	0.299	ug/l #	1
59) 2-Hexanone	11.171	43	66881	35.559	ug/l #	24
71) Bromoform	12.847	173	806	0.482	ug/l #	1
74) N-amyl acetate	12.447	43	915	0.226	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	72381	26.658	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72381	63.244	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	497	Below Cal	#	41
89) n-Butylbenzene	13.800	91	7900	1.117	ug/l #	39

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

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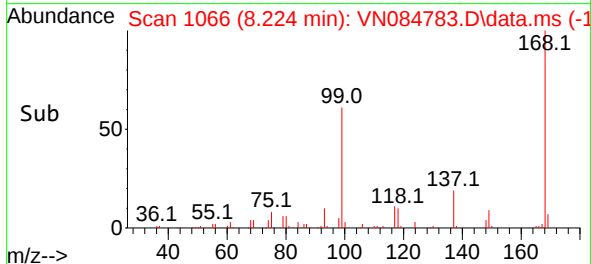
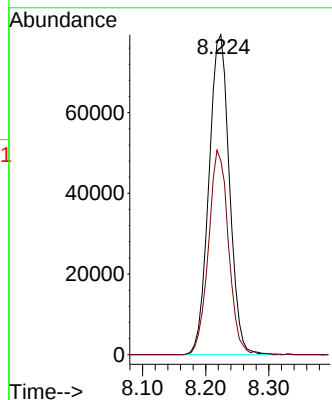
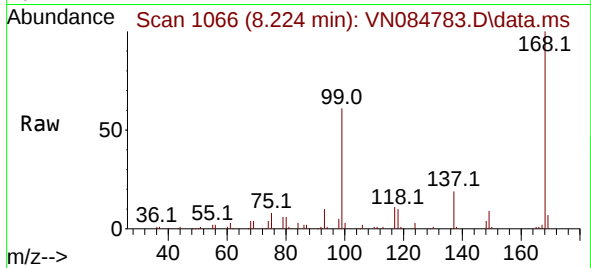




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

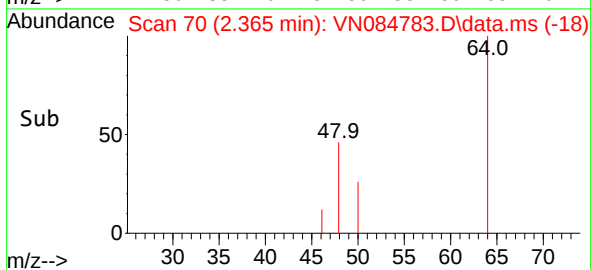
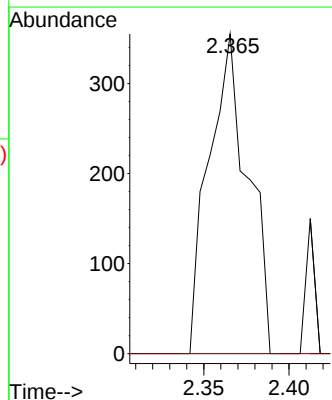
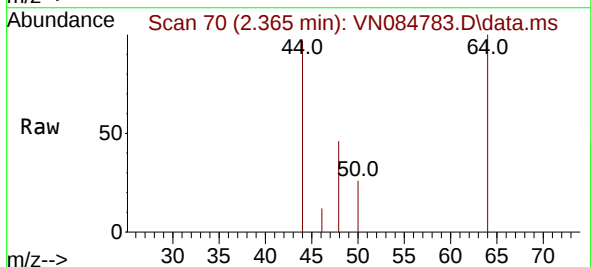
Instrument :
MSVOA_N
ClientSampleId :
LAW-23-00189

Tgt Ion:168 Resp: 179230
Ion Ratio Lower Upper
168 100
99 60.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

Tgt Ion: 50 Resp: 564
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

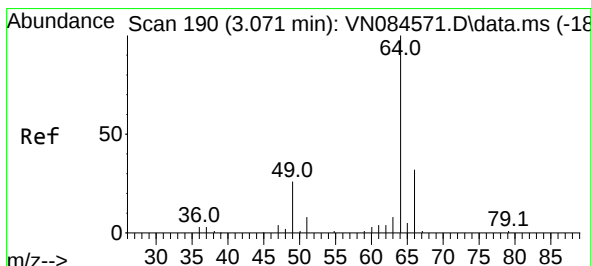
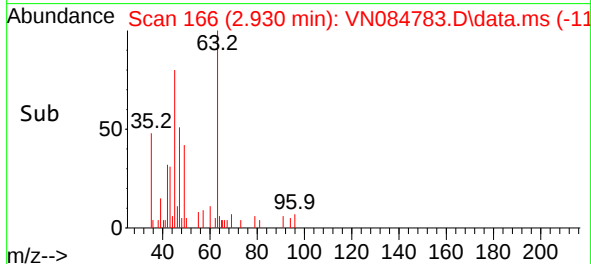
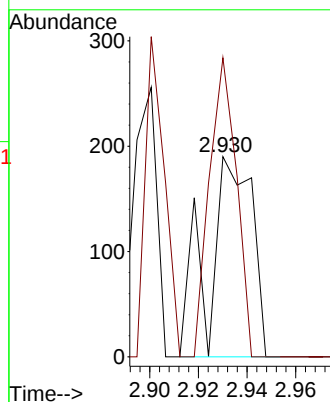
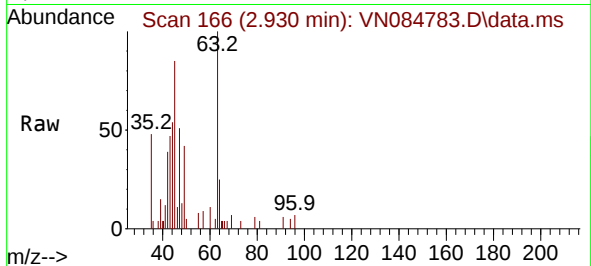




#5
Bromomethane
Concen: 0.203 ug/l
RT: 2.930 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

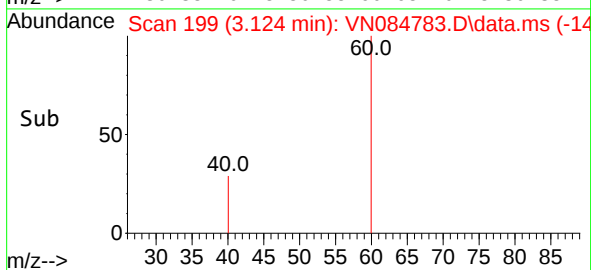
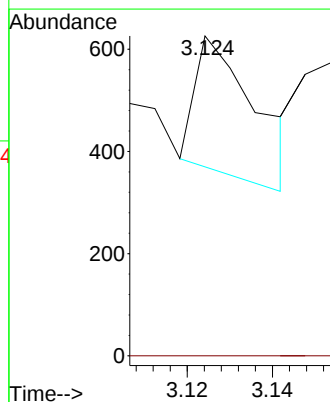
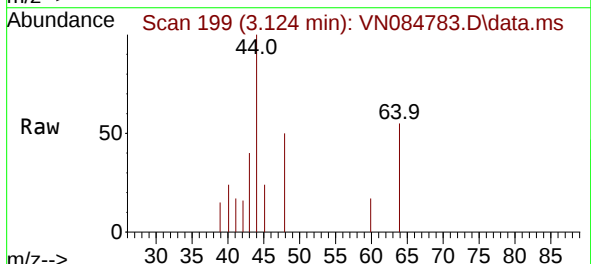
Instrument :
MSVOA_N
ClientSampleId :
LAW-23-00189

Tgt Ion: 94 Resp: 238
Ion Ratio Lower Upper
94 100
96 149.5 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

Tgt Ion: 64 Resp: 253
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

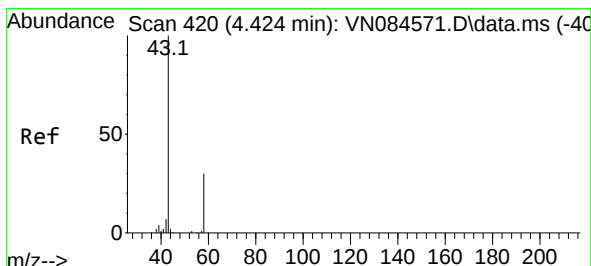
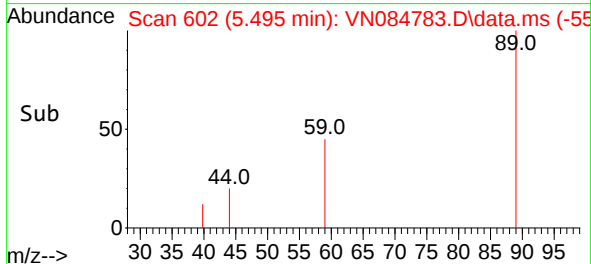
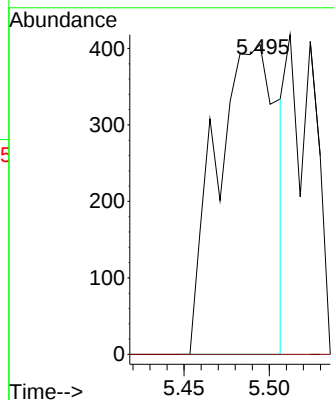
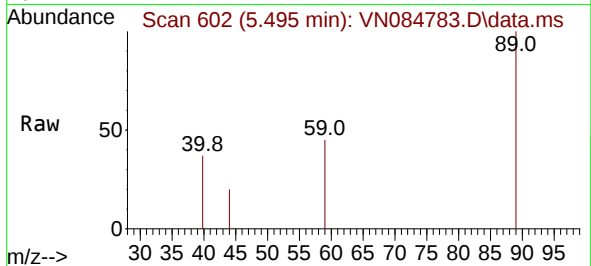




#11
Tert butyl alcohol
Concen: 2.944 ug/l
RT: 5.495 min Scan# 609
Delta R.T. -0.029 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

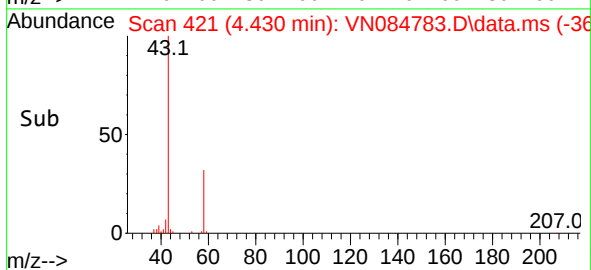
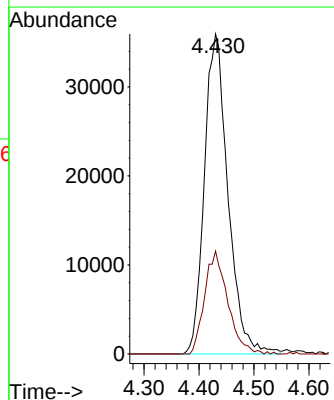
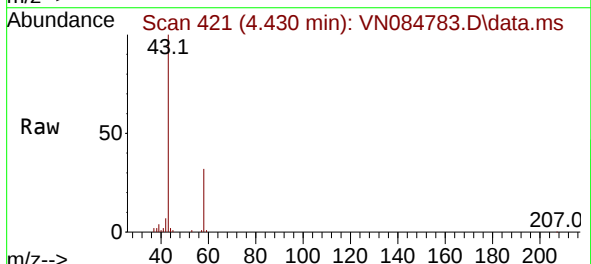
Instrument :
MSVOA_N
ClientSampleId :
LAW-23-00189

Tgt Ion: 59 Resp: 1006
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 142.208 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

Tgt Ion: 43 Resp: 107259
Ion Ratio Lower Upper
43 100
58 32.1 24.4 36.6

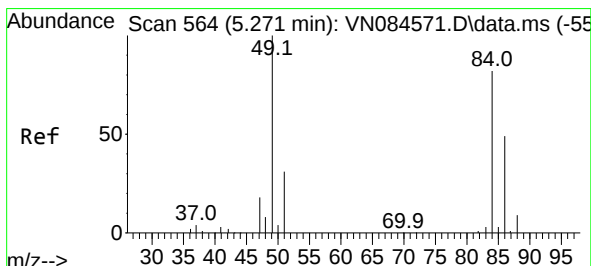
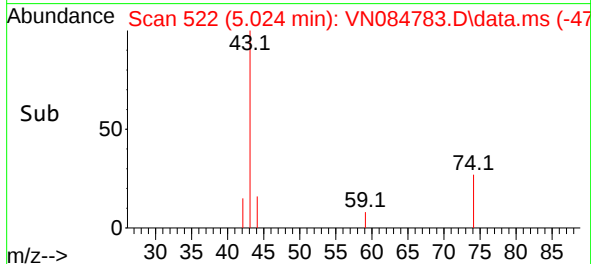
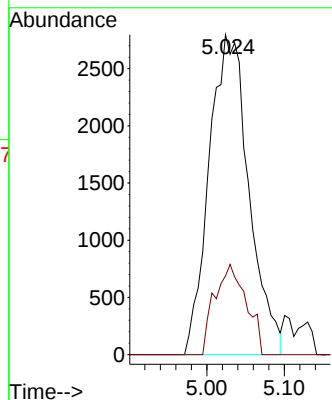
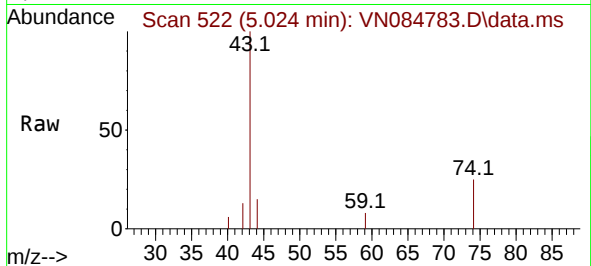




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

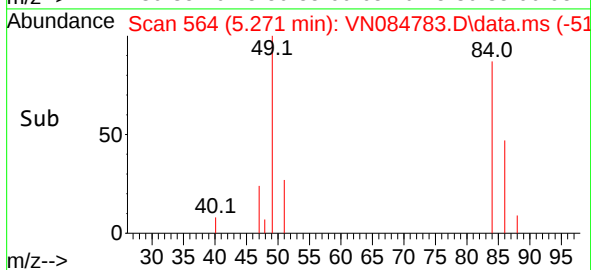
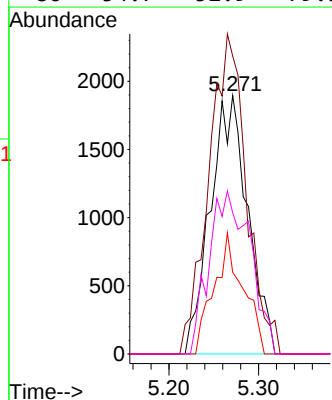
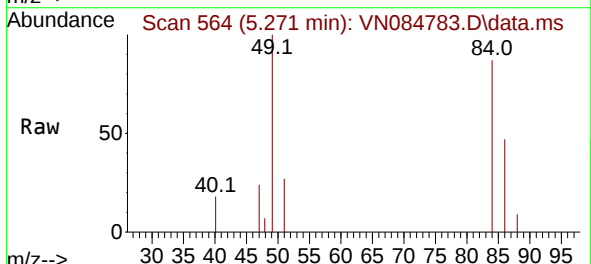
Instrument :
MSVOA_N
ClientSampleId :
LAW-23-00189

Tgt Ion: 43 Resp: 9965
Ion Ratio Lower Upper
43 100
74 22.4 19.2 28.8



#20
Methylene Chloride
Concen: 2.408 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

Tgt Ion: 84 Resp: 5482
Ion Ratio Lower Upper
84 100
49 115.3 107.2 160.8
51 31.7 31.8 47.8#
86 54.7 52.9 79.3

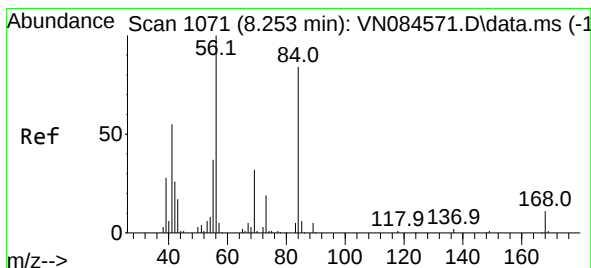
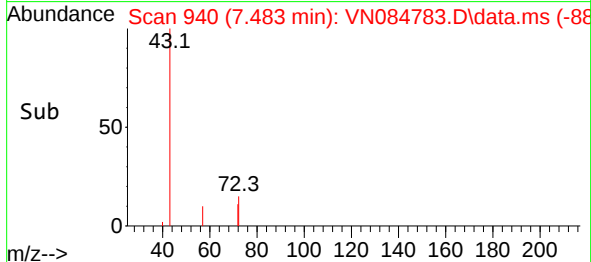
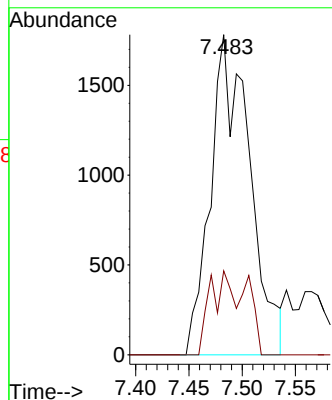
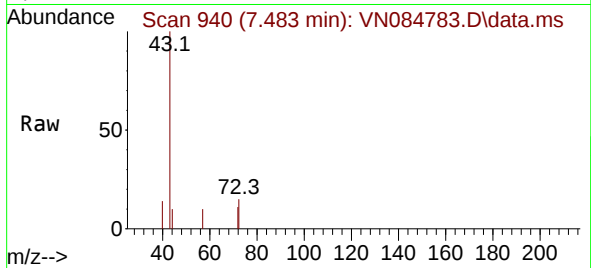




#25
2-Butanone
Concen: 3.776 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

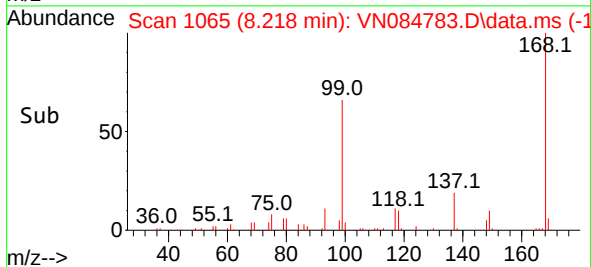
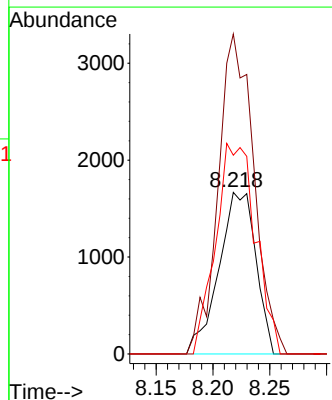
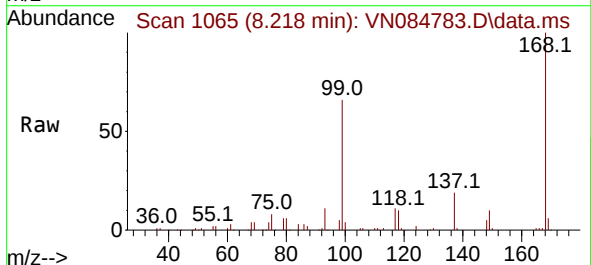
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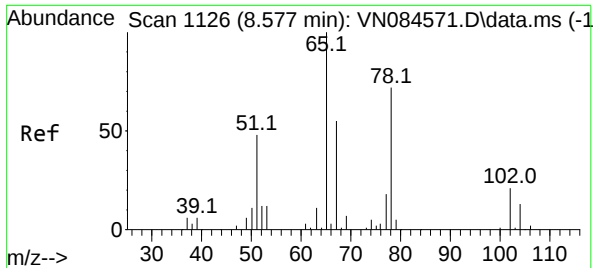
Tgt Ion: 43 Resp: 4560
Ion Ratio Lower Upper
43 100
72 26.2 21.4 32.2



#31
Cyclohexane
Concen: 1.057 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

Tgt Ion: 56 Resp: 3777
Ion Ratio Lower Upper
56 100
69 198.0 23.8 35.6#
84 122.9 68.8 103.2#

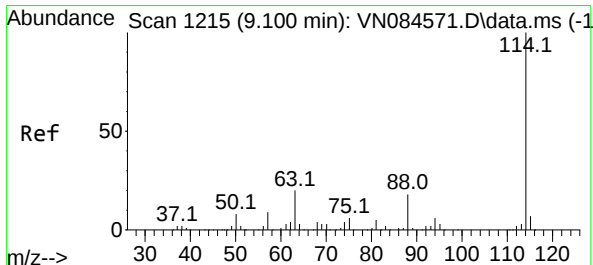
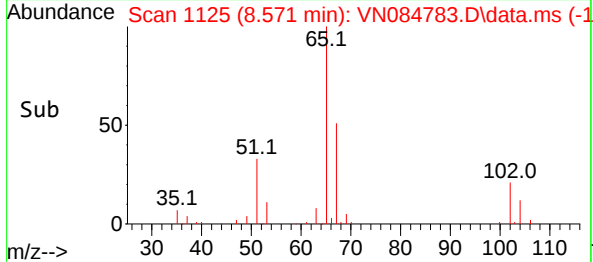
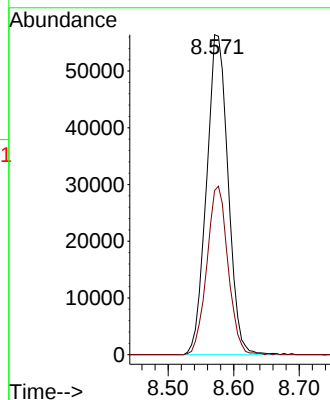
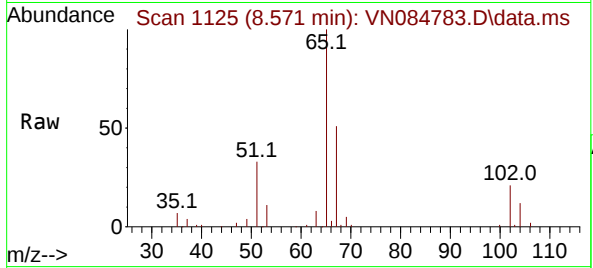




#33
1,2-Dichloroethane-d4
Concen: 49.780 ug/l
RT: 8.571 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

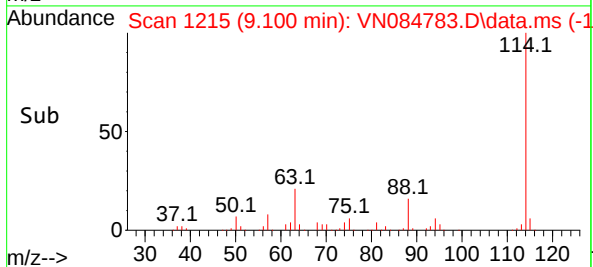
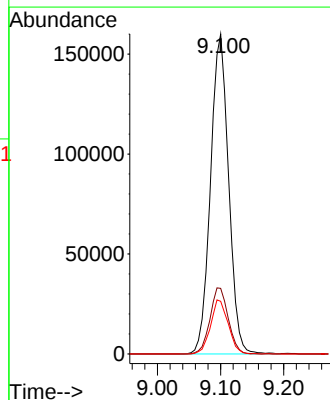
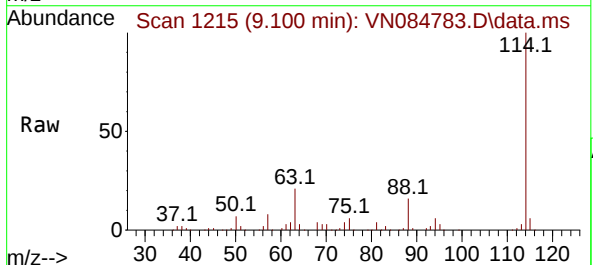
Instrument :
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ClientSampleId :
LAW-23-00189

Tgt Ion: 65 Resp: 128866
Ion Ratio Lower Upper
65 100
67 51.7 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: VN084783.D
Acq: 11 Nov 2024 19:42

Tgt Ion: 114 Resp: 318250
Ion Ratio Lower Upper
114 100
63 20.5 0.0 43.8
88 16.4 0.0 31.6

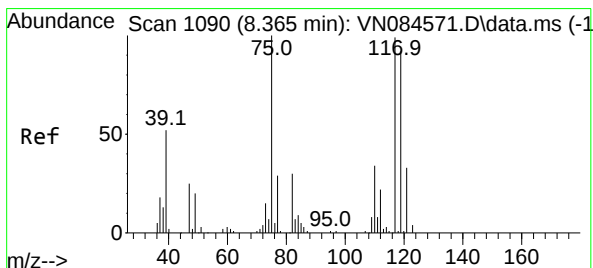
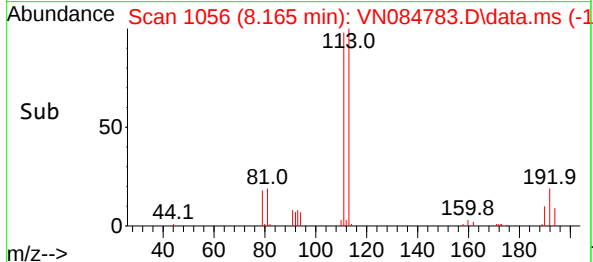
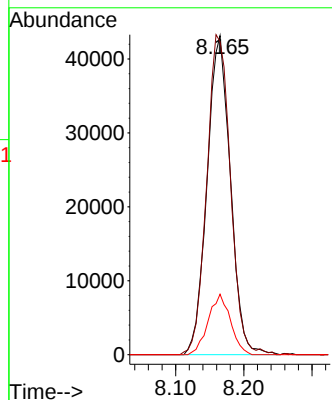
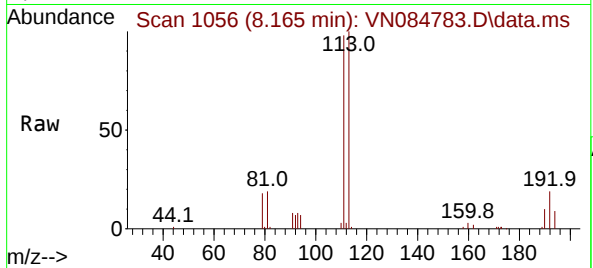




#35
Dibromofluoromethane
Concen: 47.714 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

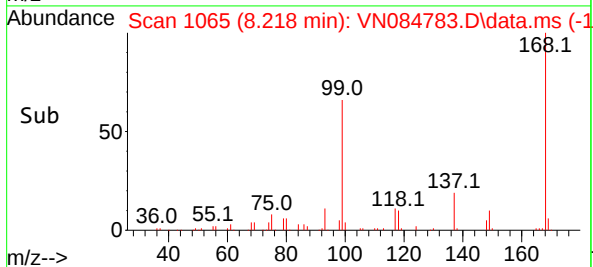
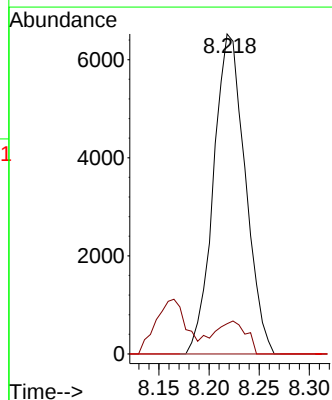
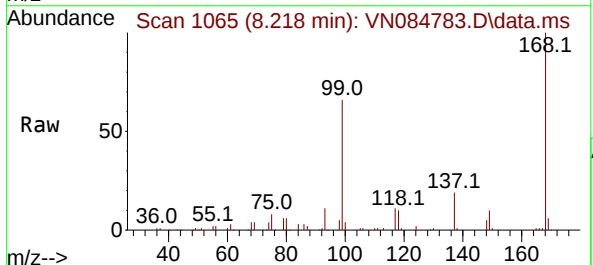
Instrument :
MSVOA_N
ClientSampleId :
LAW-23-00189

Tgt Ion:113 Resp: 102784
Ion Ratio Lower Upper
113 100
111 102.0 83.3 124.9
192 18.1 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.810 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

Tgt Ion: 75 Resp: 14369
Ion Ratio Lower Upper
75 100
110 9.2 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.208 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN084783.D

Acq: 11 Nov 2024 19:42

Instrument :

MSVOA_N

ClientSampleId :

LAW-23-00189

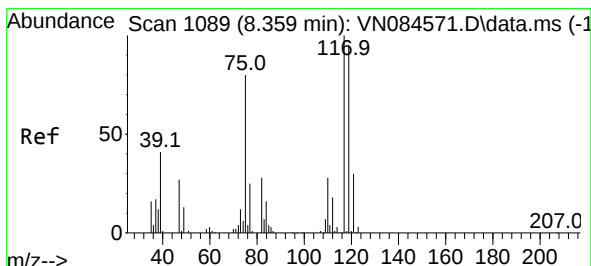
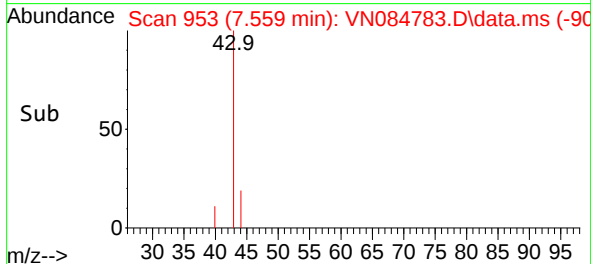
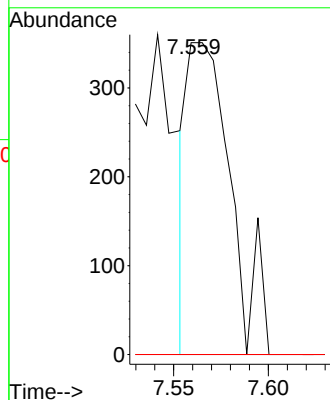
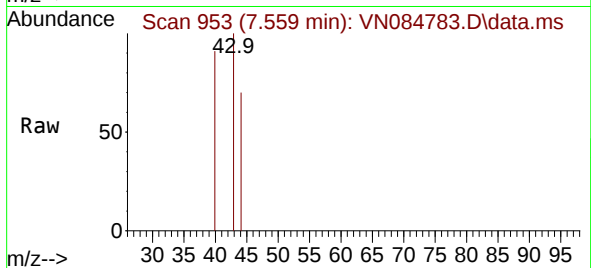
Tgt Ion: 43 Resp: 563

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.743 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084783.D

Acq: 11 Nov 2024 19:42

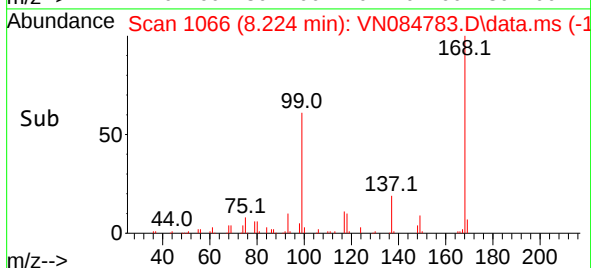
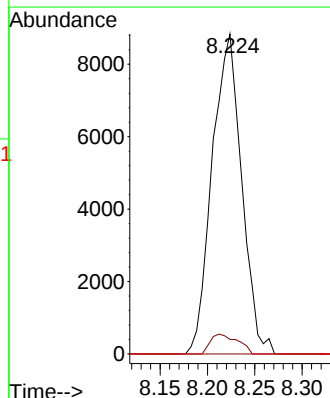
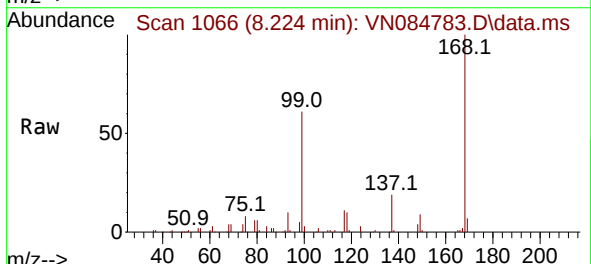
Tgt Ion: 117 Resp: 19177

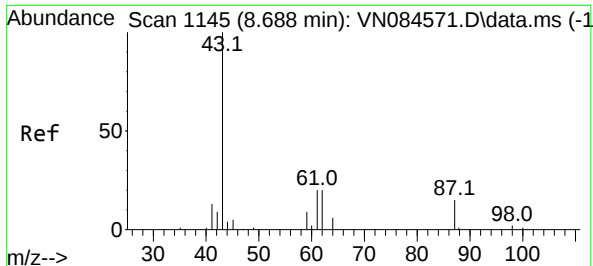
Ion Ratio Lower Upper

117 100

119 4.5 78.7 118.1#

121 0.0 24.4 36.6#

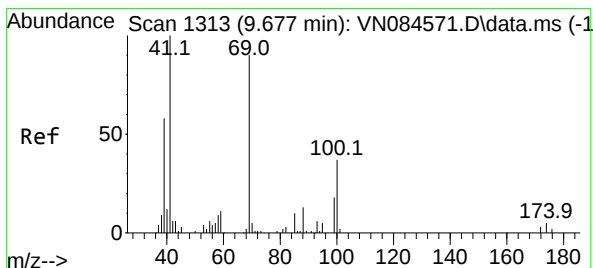
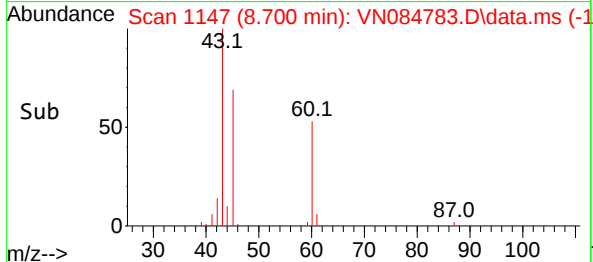
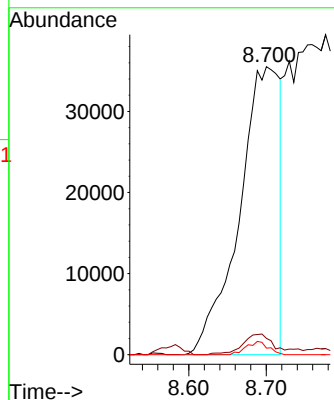
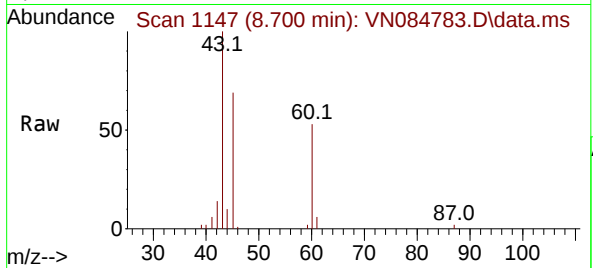




#43
Isopropyl Acetate
Concen: 25.316 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.012 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

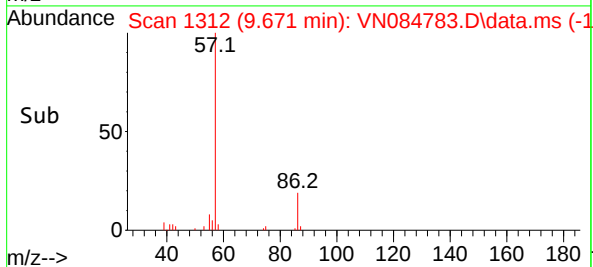
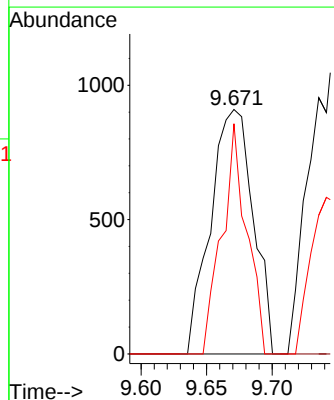
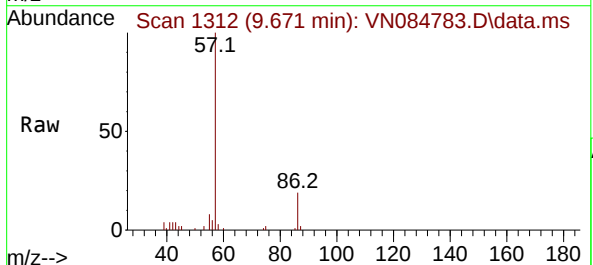
Instrument :
MSVOA_N
ClientSampleId :
LAW-23-00189

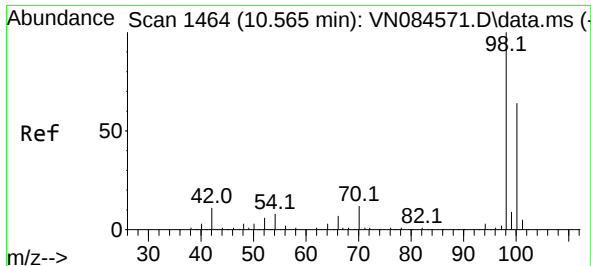
Tgt Ion: 43 Resp: 129157
Ion Ratio Lower Upper
43 100
61 5.6 20.4 30.6#
87 2.5 10.3 15.5#



#48
Methyl methacrylate
Concen: 0.977 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

Tgt Ion: 41 Resp: 2061
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 54.7 45.8 68.6

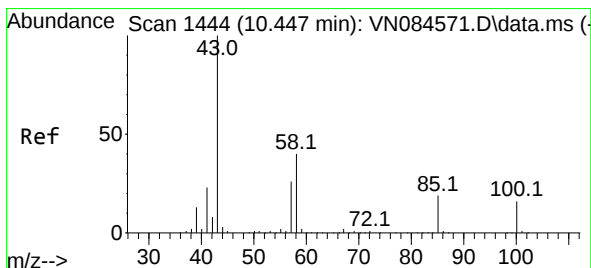
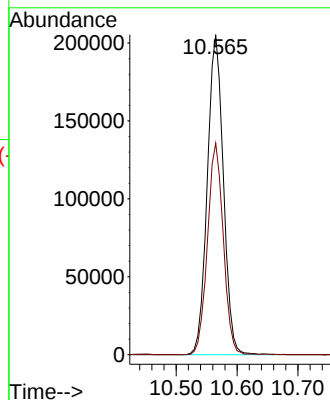
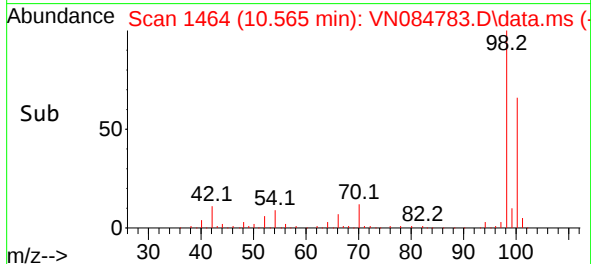
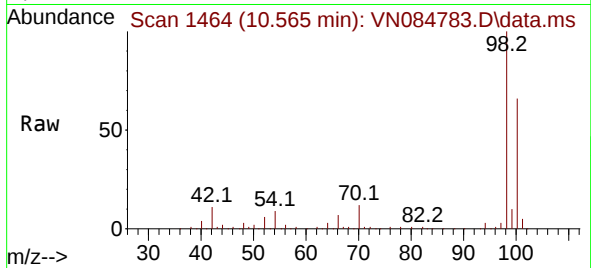




#50
Toluene-d8
Concen: 47.304 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

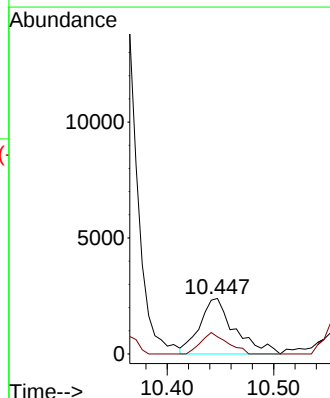
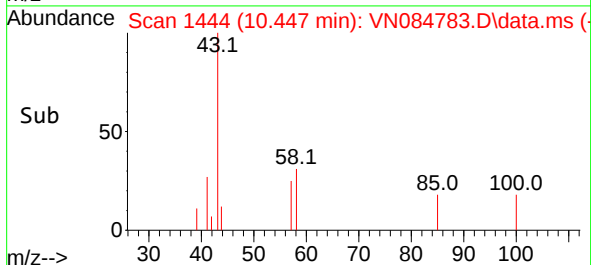
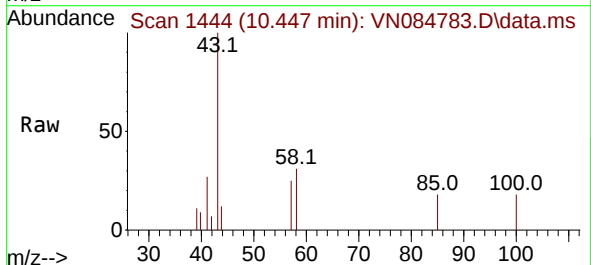
Instrument :
MSVOA_N
ClientSampleId :
LAW-23-00189

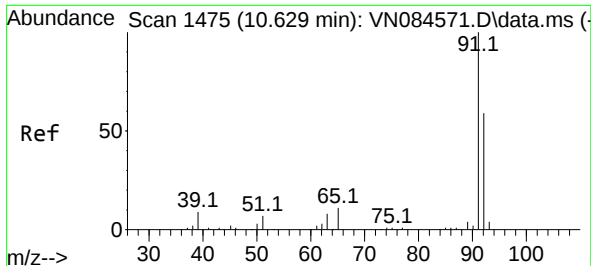
Tgt Ion: 98 Resp: 375371
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 2.101 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

Tgt Ion: 43 Resp: 5428
Ion Ratio Lower Upper
43 100
58 29.2 31.6 47.4#

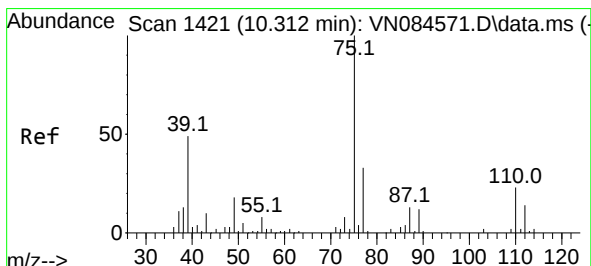
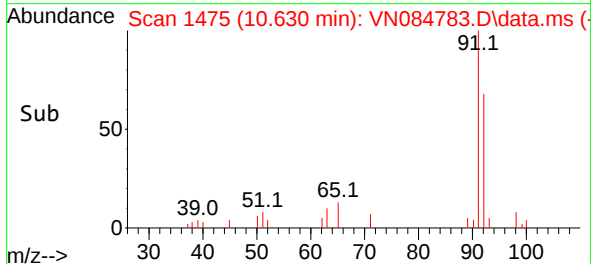
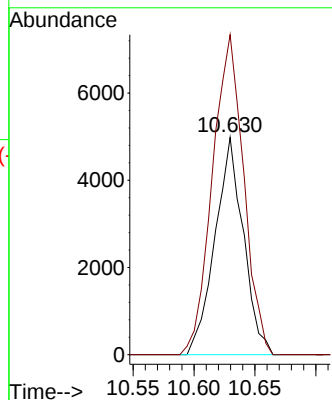
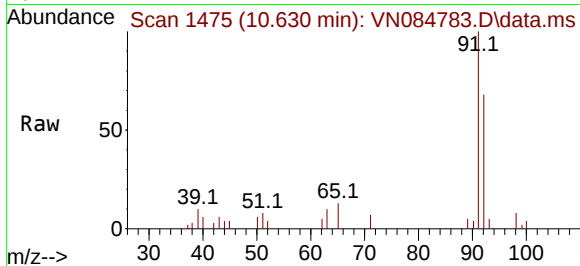




#52
Toluene
Concen: 1.442 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

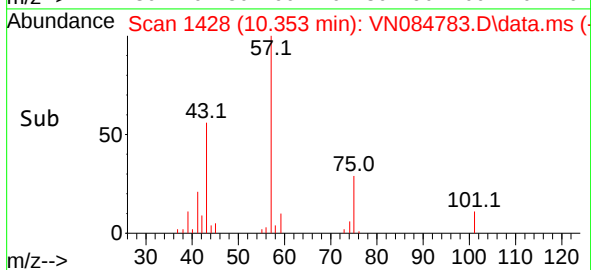
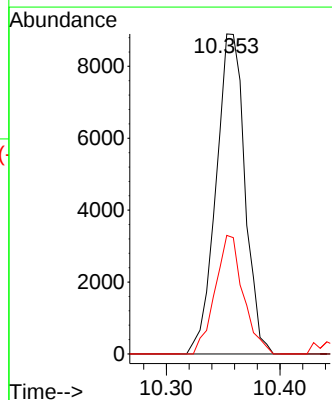
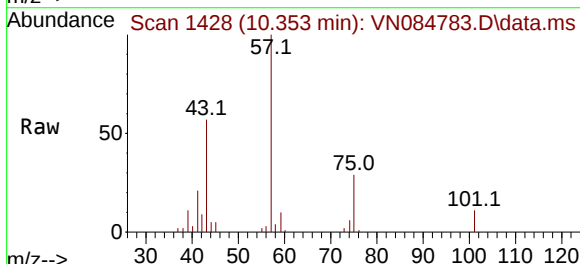
Instrument :
MSVOA_N
ClientSampleId :
LAW-23-00189

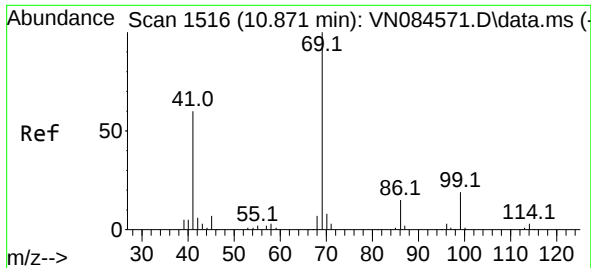
Tgt Ion: 92 Resp: 8092
Ion Ratio Lower Upper
92 100
91 161.9 137.3 205.9



#54
cis-1,3-Dichloropropene
Concen: 4.282 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

Tgt Ion: 75 Resp: 15706
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 37.0 38.7 58.1#

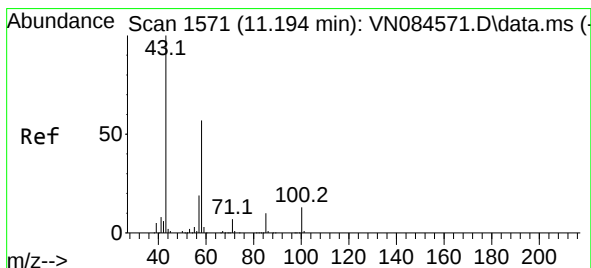
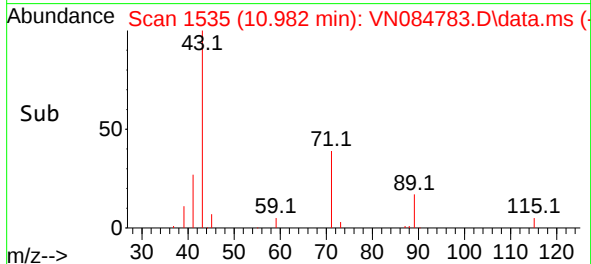
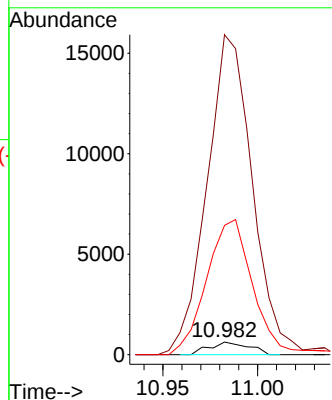
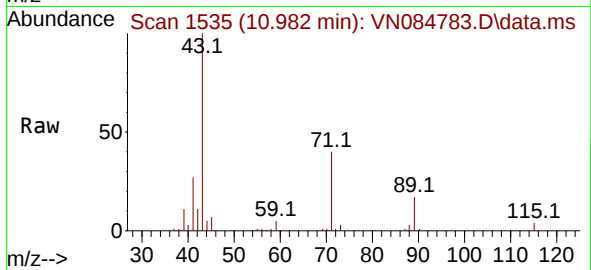




#56
Ethyl methacrylate
Concen: 0.299 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

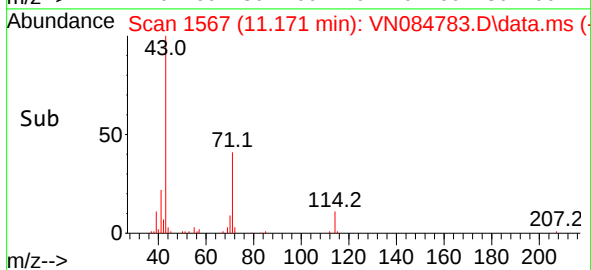
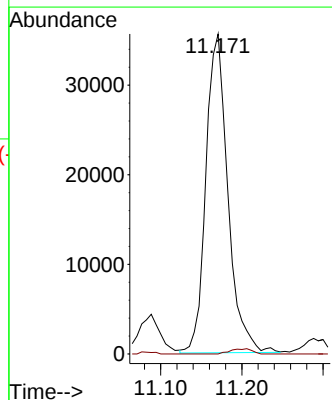
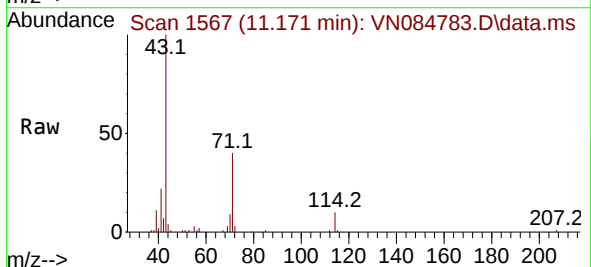
Instrument :
MSVOA_N
ClientSampleId :
LAW-23-00189

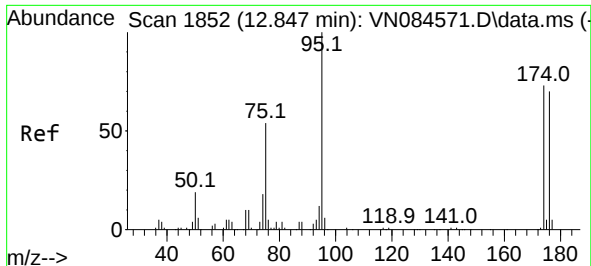
Tgt Ion: 69 Resp: 915
Ion Ratio Lower Upper
69 100
41 2920.4 53.3 79.9#
39 1257.2 28.8 43.2#



#59
2-Hexanone
Concen: 35.559 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

Tgt Ion: 43 Resp: 66881
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#

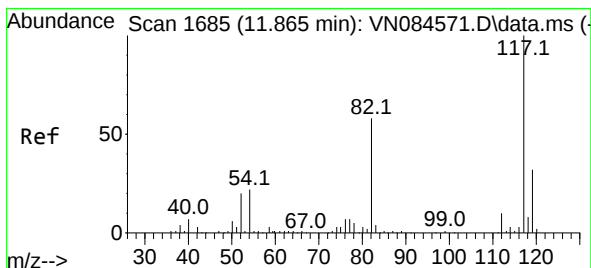
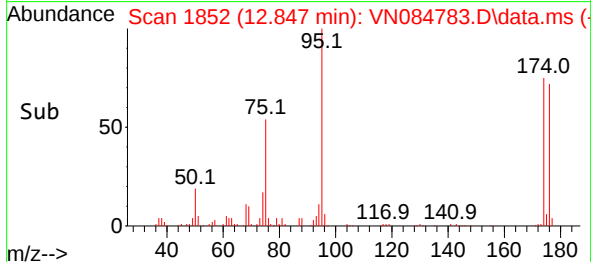
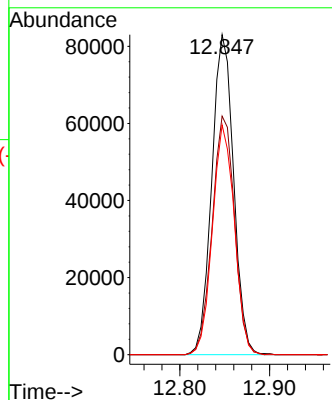
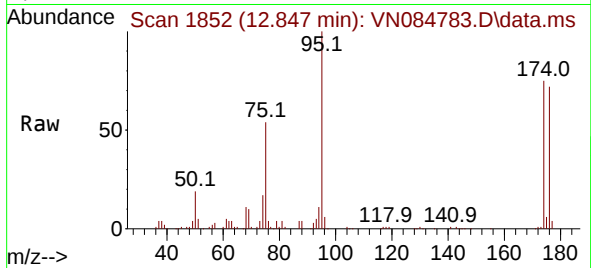




#62
4-Bromofluorobenzene
Concen: 47.249 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

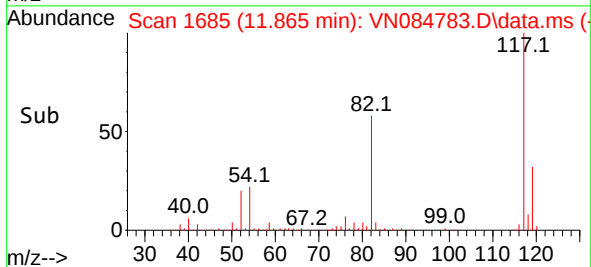
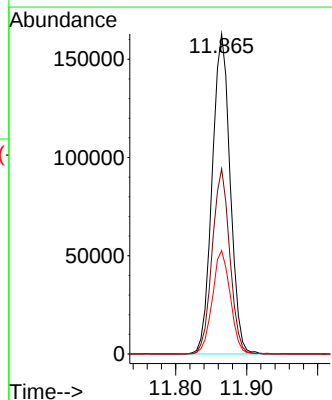
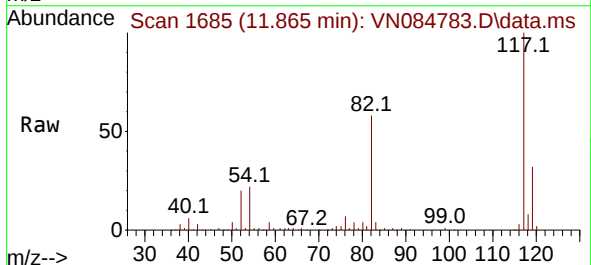
Instrument :
MSVOA_N
ClientSampleId :
LAW-23-00189

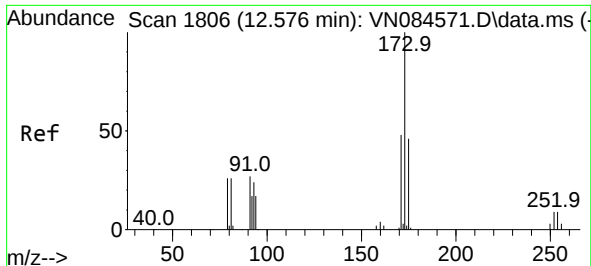
Tgt Ion: 95 Resp: 140124
Ion Ratio Lower Upper
95 100
174 76.3 0.0 145.2
176 72.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

Tgt Ion: 117 Resp: 285854
Ion Ratio Lower Upper
117 100
82 57.9 47.2 70.8
119 32.3 25.4 38.0

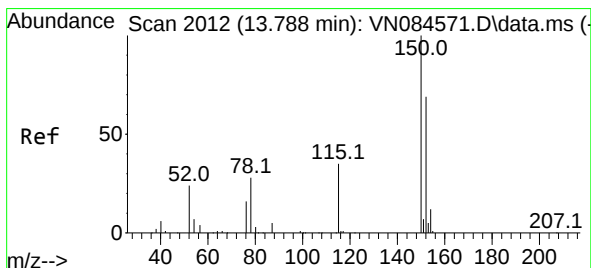
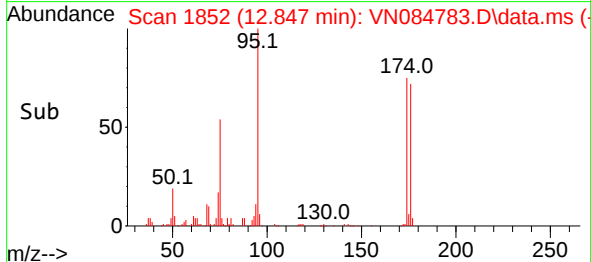
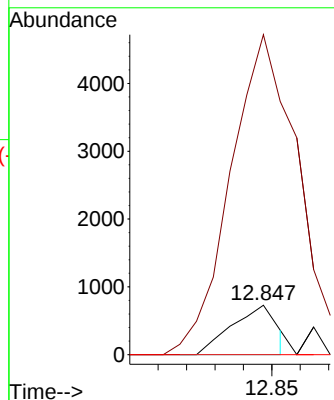
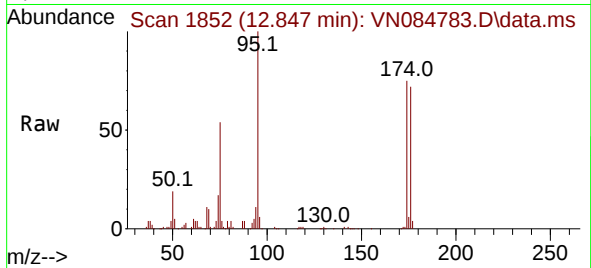




#71
Bromoform
Concen: 0.482 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

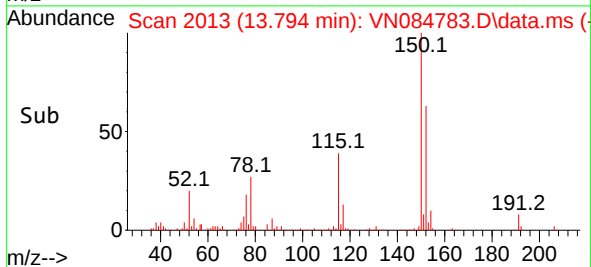
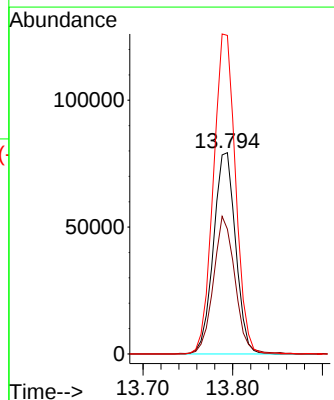
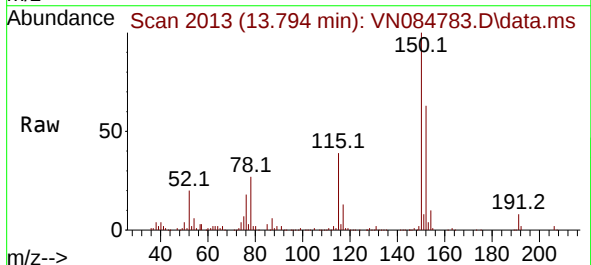
Instrument :
MSVOA_N
ClientSampleId :
LAW-23-00189

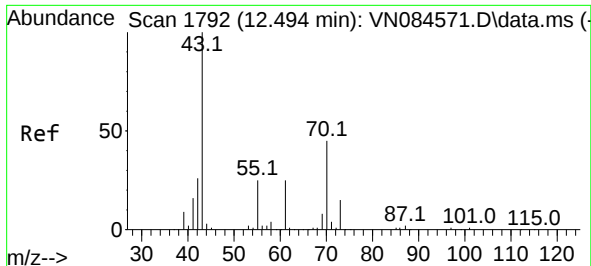
Tgt Ion:173 Resp: 806
Ion Ratio Lower Upper
173 100
175 734.6 23.5 70.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

Tgt Ion:152 Resp: 135829
Ion Ratio Lower Upper
152 100
115 67.1 31.3 93.9
150 159.2 0.0 349.8

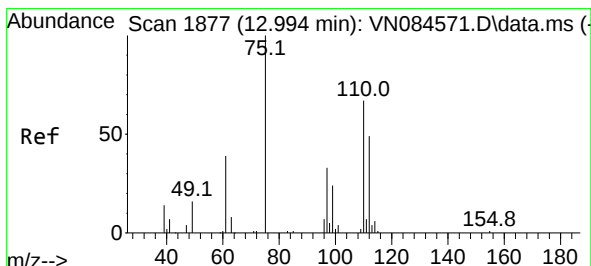
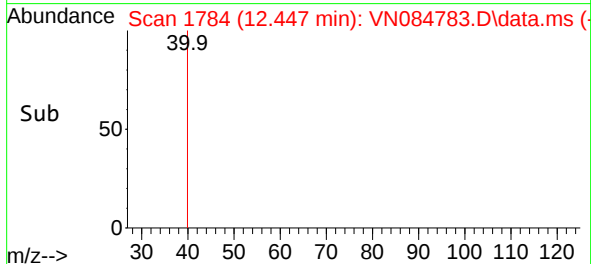
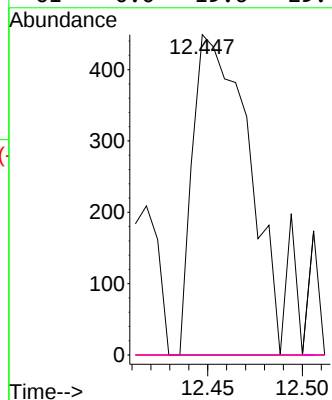
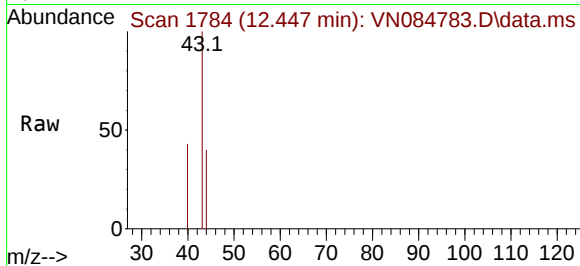




#74
N-amy1 acetate
Concen: 0.226 ug/l
RT: 12.447 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

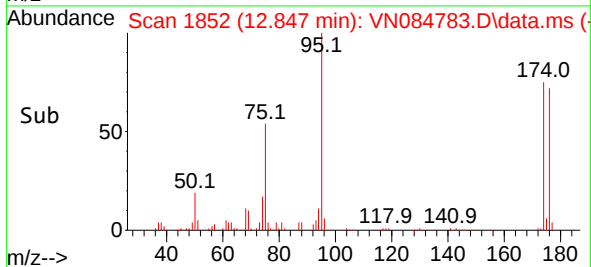
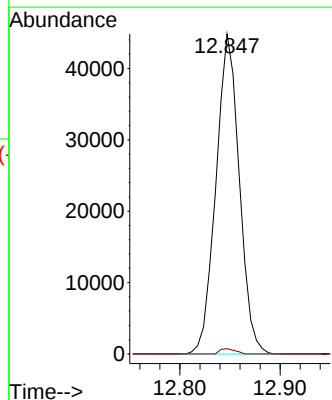
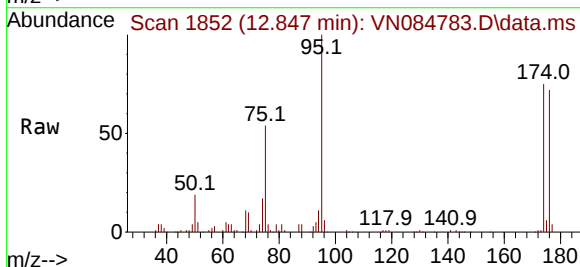
Instrument :
MSVOA_N
ClientSampleId :
LAW-23-00189

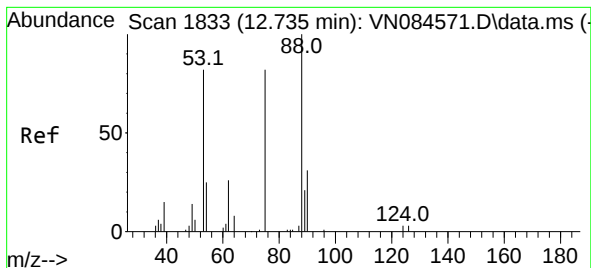
Tgt Ion:	43	Resp:	915
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.4	51.6#
55	0.0	19.6	29.4#
61	0.0	19.6	29.4#



#76
1,2,3-Trichloropropane
Concen: 26.658 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

Tgt Ion:	75	Resp:	72381
Ion	Ratio	Lower	Upper
75	100		
77	1.1	96.9	290.7#

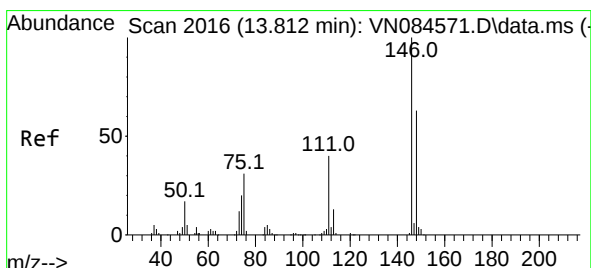
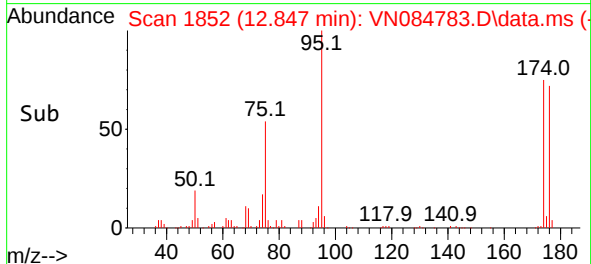
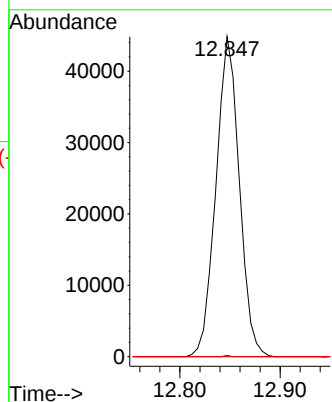
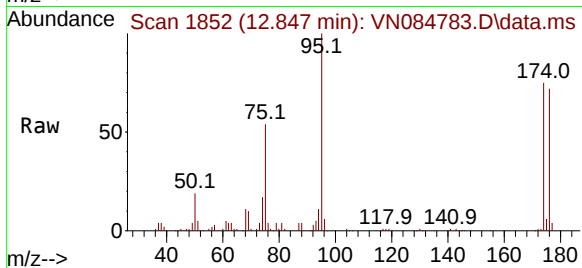




#81
trans-1,4-Dichloro-2-butene
Concen: 63.244 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

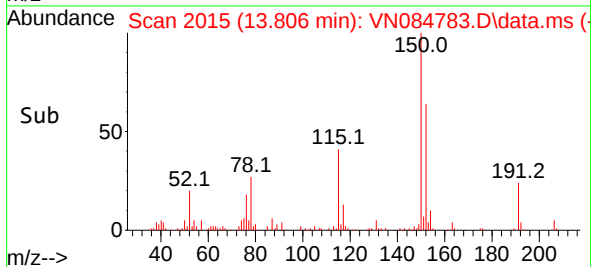
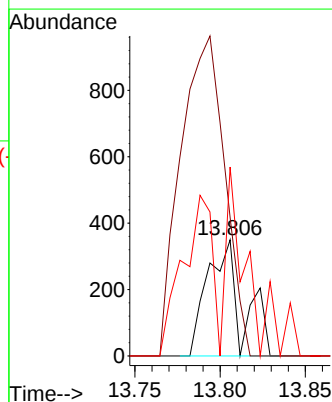
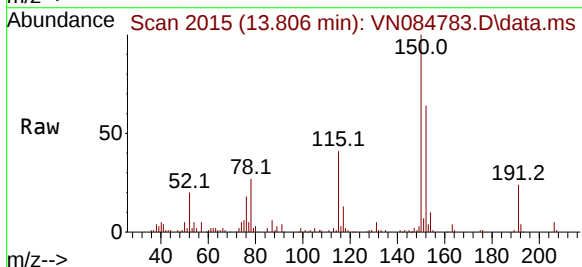
Instrument :
MSVOA_N
ClientSampleId :
LAW-23-00189

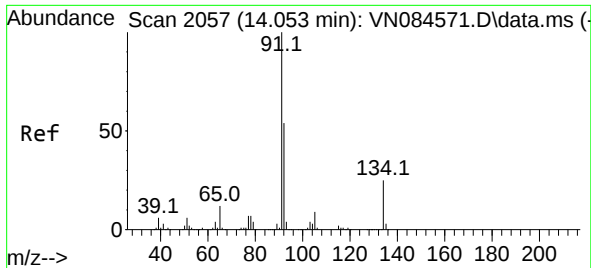
Tgt Ion: 75 Resp: 72381
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN084783.D
Acq: 11 Nov 2024 19:42

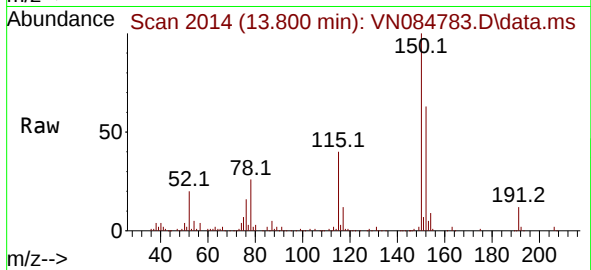
Tgt Ion:146 Resp: 497
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 105.8 31.9 95.9#





#89
 n-Butylbenzene
 Concen: 1.117 ug/l
 RT: 13.800 min Scan# 2057
 Delta R.T. -0.253 min
 Lab File: VN084783.D
 Acq: 11 Nov 2024 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 LAW-23-00189



Tgt Ion:	91	Resp:	7900
Ion	Ratio	Lower	Upper
91	100		
92	5.1	26.6	79.7#
134	1.0	12.3	36.9#

