

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083024\
 Data File : VN083590.D
 Acq On : 31 Aug 2024 03:08
 Operator : JC\MD
 Sample : VN0830WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 31 05:05:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	146241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303845	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	321557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152925	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117824	57.648	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.300%	
35) Dibromofluoromethane	8.165	113	94855	51.868	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.740%	
50) Toluene-d8	10.565	98	343240	48.185	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.360%	
62) 4-Bromofluorobenzene	12.847	95	156970	59.500	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 119.000%	

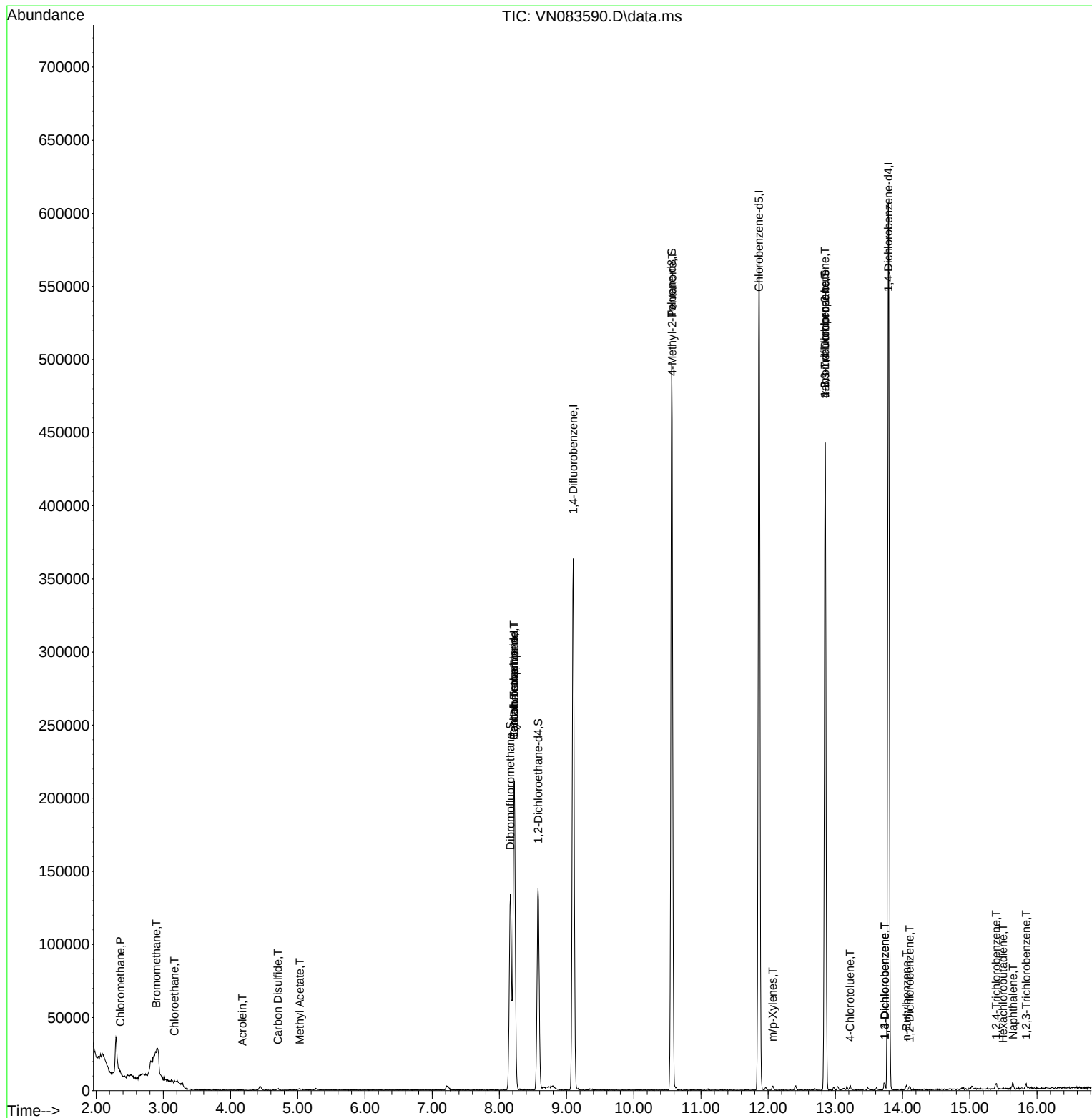
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	610	0.338	ug/l #	41
5) Bromomethane	2.895	94	730	0.770	ug/l #	56
6) Chloroethane	3.165	64	830	0.704	ug/l #	45
13) Acrolein	4.177	56	111	0.368	ug/l #	81
17) Carbon Disulfide	4.706	76	1844	0.395	ug/l #	75
18) Methyl Acetate	5.030	43	1097	0.506	ug/l #	80
31) Cyclohexane	8.224	56	4300	1.360	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	13348	4.785	ug/l #	51
38) Carbon Tetrachloride	8.218	117	17354	5.453	ug/l #	15
43) Isopropyl Acetate	8.700	43	443	Below Cal	#	57
51) 4-Methyl-2-Pentanone	10.571	43	1748	0.677	ug/l #	1
68) m/p-Xylenes	12.070	106	1139	0.235	ug/l	100
76) 1,2,3-Trichloropropane	12.847	75	87119	28.216	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	87119	66.551	ug/l #	9
82) 4-Chlorotoluene	13.217	91	2390	0.254	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	1649	0.293	ug/l	95
88) 1,4-Dichlorobenzene	13.735	146	1649	0.285	ug/l	94
89) n-Butylbenzene	14.059	91	2159	0.238	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	1343	0.247	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	1498	0.487	ug/l	87
94) Hexachlorobutadiene	15.494	225	363	0.294	ug/l #	42
95) Naphthalene	15.647	128	3967	0.401	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.841	180	1411	0.459	ug/l #	75

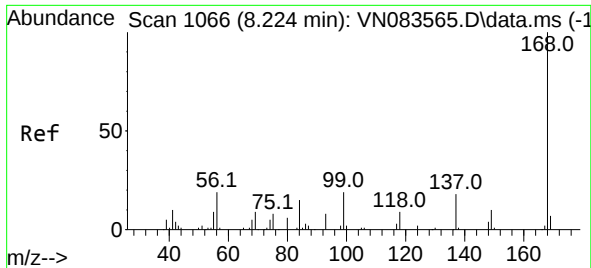
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 00:48:10 2024
Response via : Initial Calibration

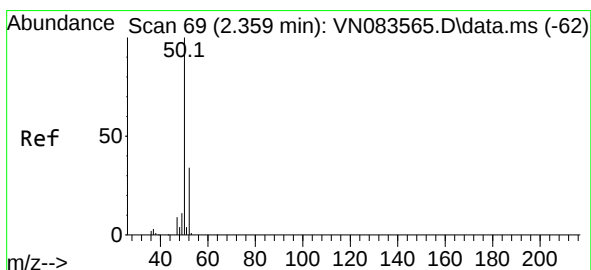
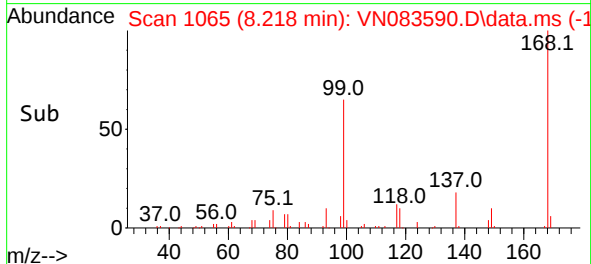
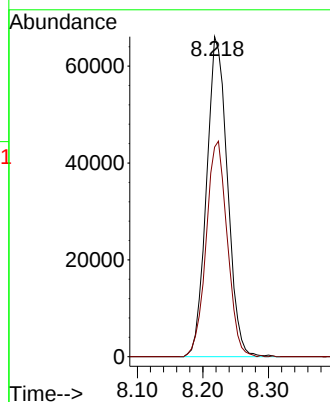
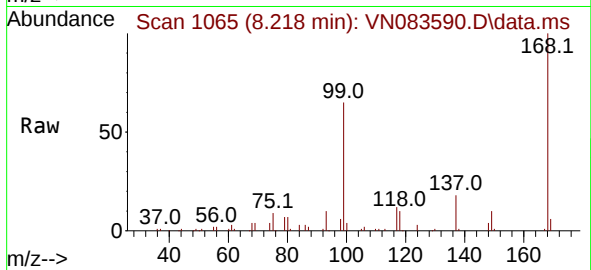




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

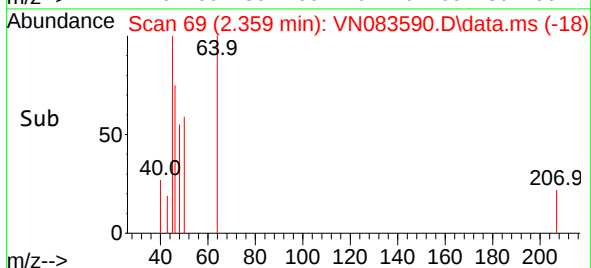
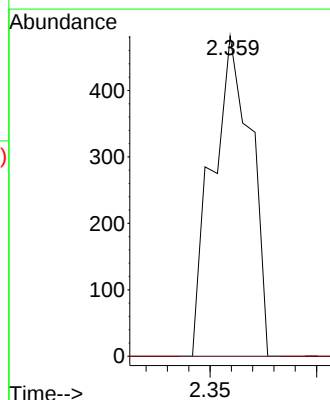
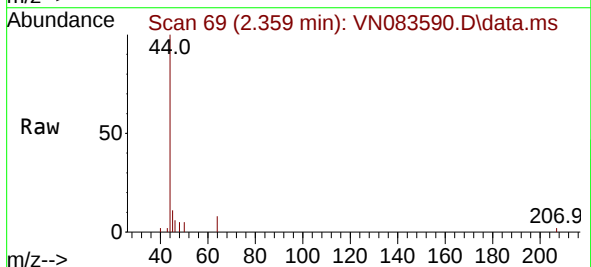
Instrument :
MSVOA_N
ClientSampleId :

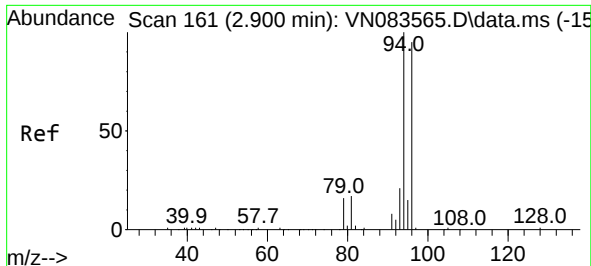
Tgt Ion:168 Resp: 146241
Ion Ratio Lower Upper
168 100
99 65.5 54.2 81.2



#3
Chloromethane
Concen: 0.338 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

Tgt Ion: 50 Resp: 610
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

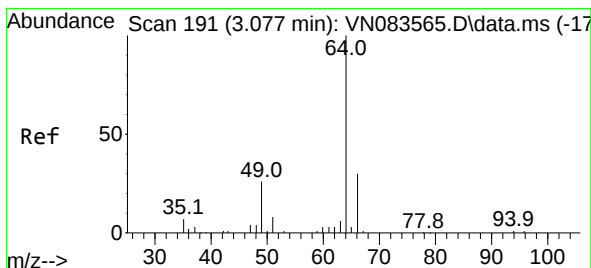
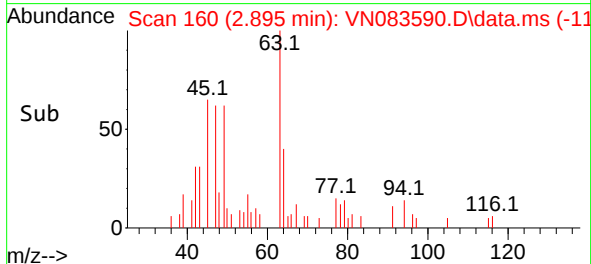
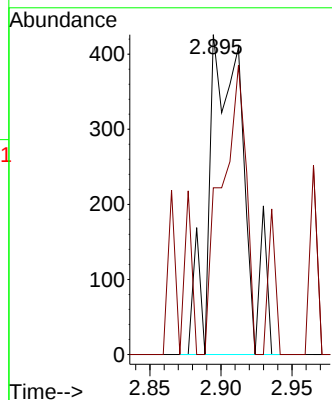
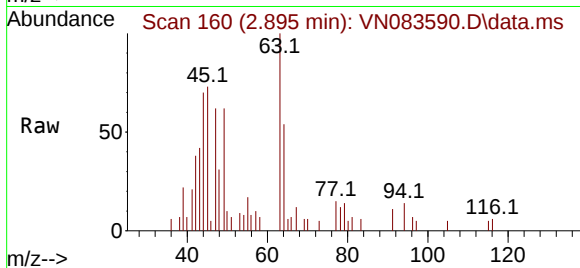




#5
Bromomethane
Concen: 0.770 ug/l
RT: 2.895 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

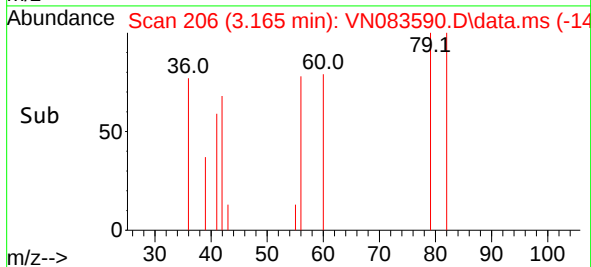
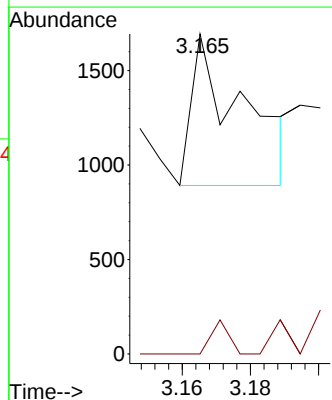
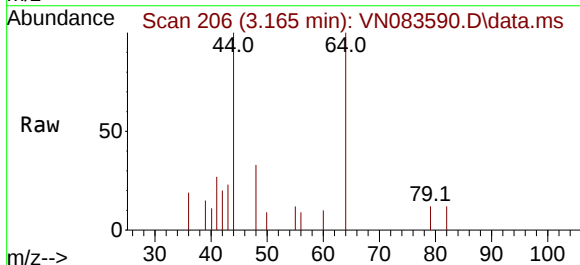
Instrument :
MSVOA_N
ClientSampleId :

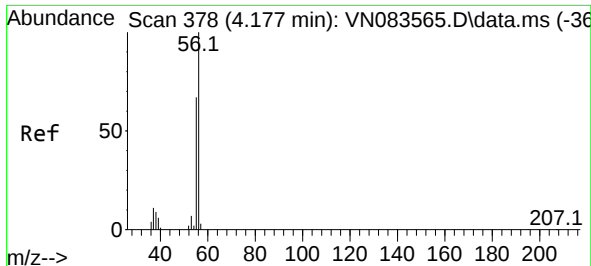
Tgt Ion: 94 Resp: 730
Ion Ratio Lower Upper
94 100
96 52.1 76.0 114.0#



#6
Chloroethane
Concen: 0.704 ug/l
RT: 3.165 min Scan# 206
Delta R.T. 0.088 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

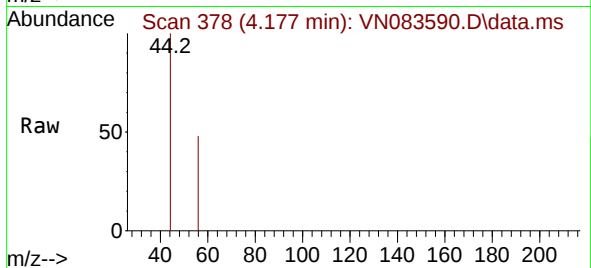
Tgt Ion: 64 Resp: 830
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



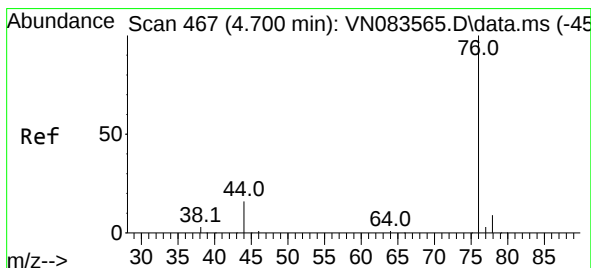
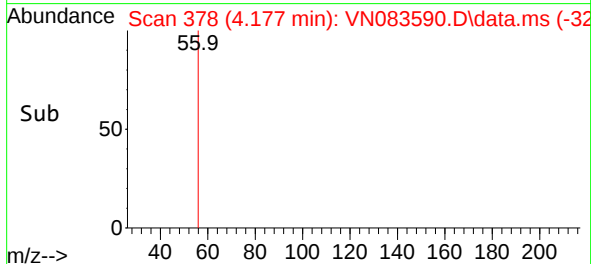
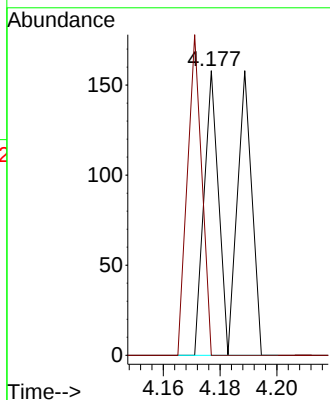


#13
Acrolein
Concen: 0.368 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

Instrument :
MSVOA_N
ClientSampleId :

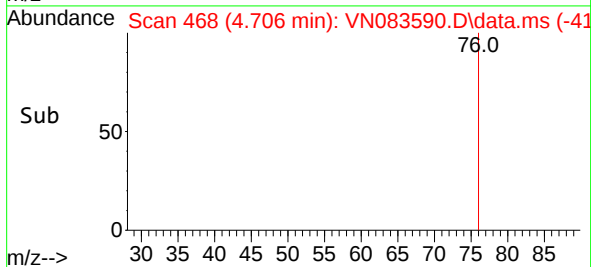
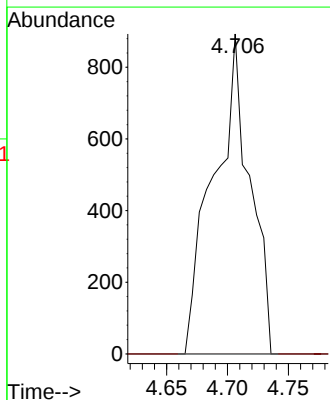
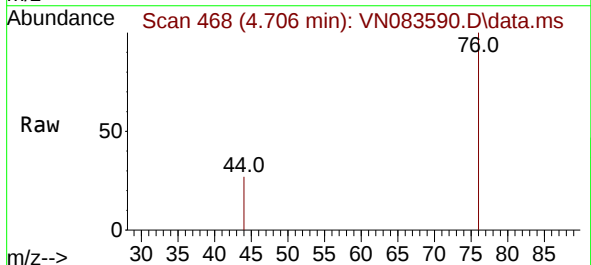


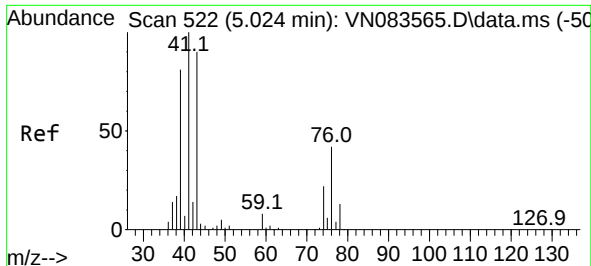
Tgt Ion: 56 Resp: 111
Ion Ratio Lower Upper
56 100
55 56.8 58.2 87.2#



#17
Carbon Disulfide
Concen: 0.395 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.006 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

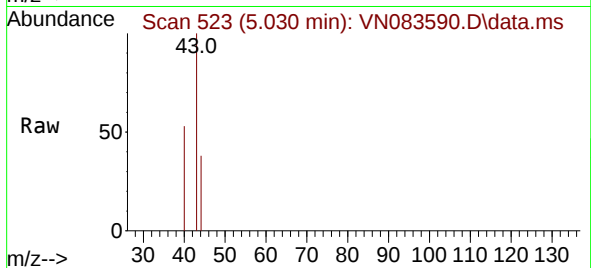
Tgt Ion: 76 Resp: 1844
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



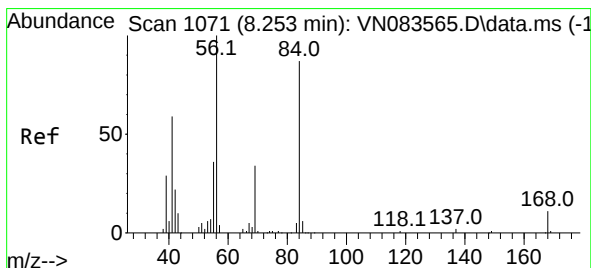
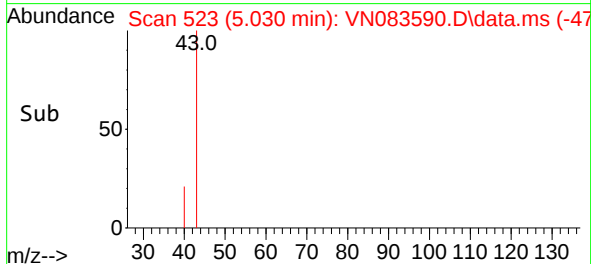
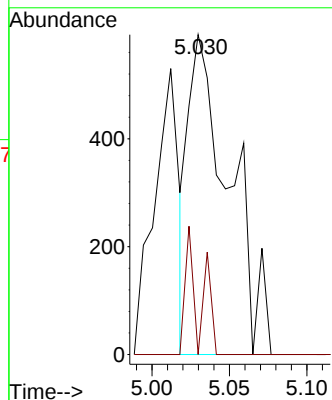


#18
Methyl Acetate
Concen: 0.506 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

Instrument :
MSVOA_N
ClientSampleId :

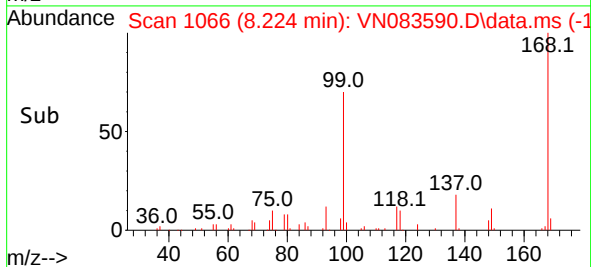
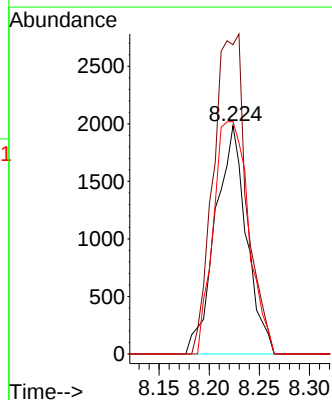
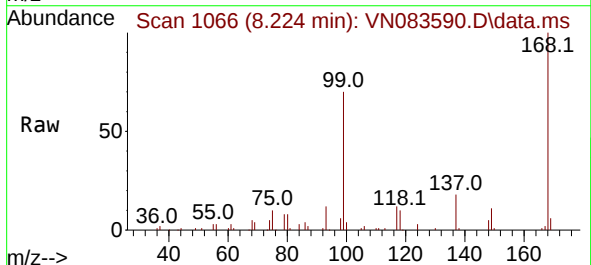


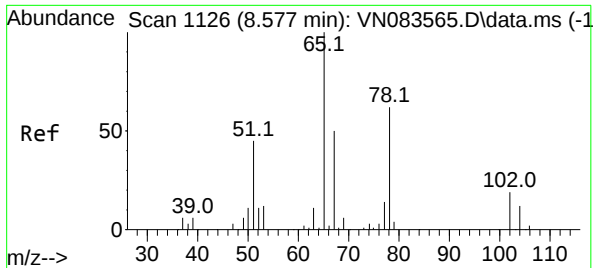
Tgt Ion: 43 Resp: 1097
Ion Ratio Lower Upper
43 100
74 13.8 19.0 28.4#



#31
Cyclohexane
Concen: 1.360 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

Tgt Ion: 56 Resp: 4300
Ion Ratio Lower Upper
56 100
69 135.4 26.9 40.3#
84 101.8 69.2 103.8

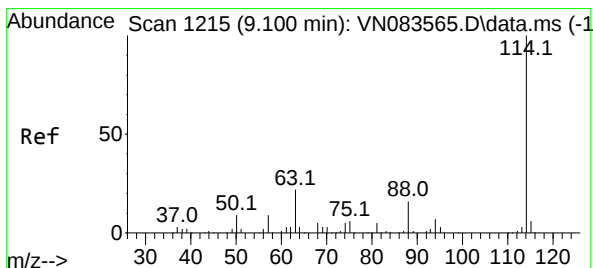
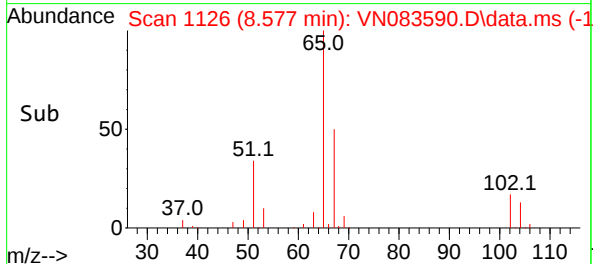
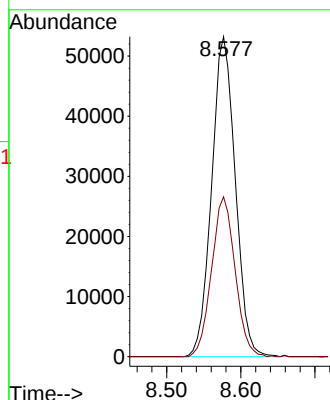
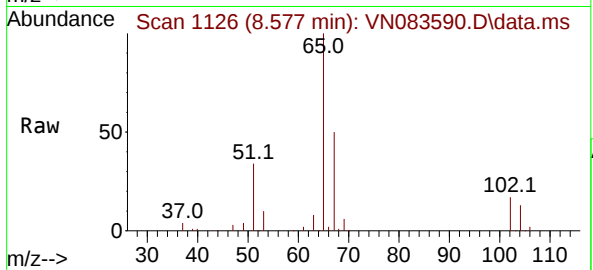




#33
 1,2-Dichloroethane-d4
 Concen: 57.648 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN083590.D
 Acq: 31 Aug 2024 03:08

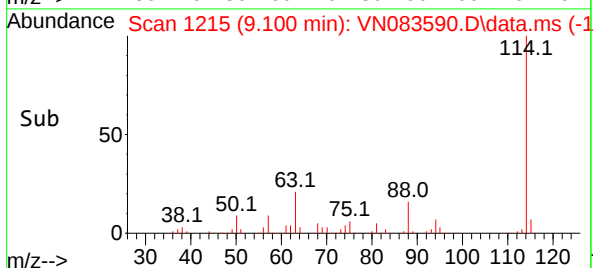
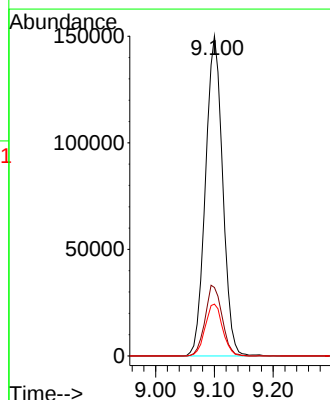
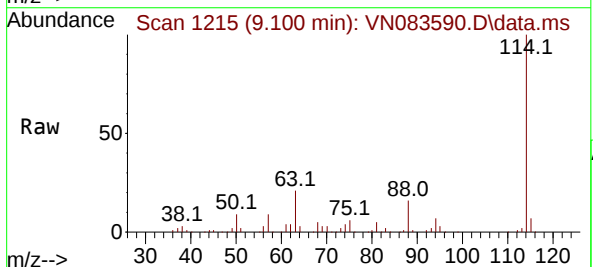
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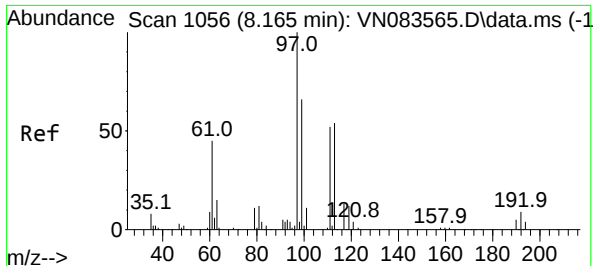
Tgt Ion: 65 Resp: 117824
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN083590.D
 Acq: 31 Aug 2024 03:08

Tgt Ion: 114 Resp: 303845
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.4
 88 16.2 0.0 32.6

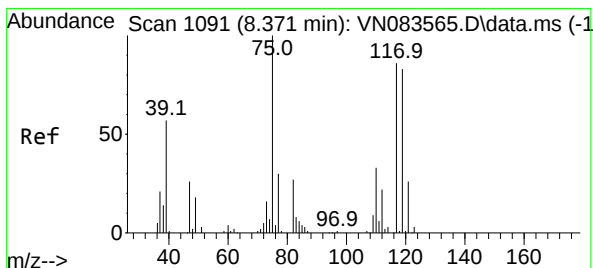
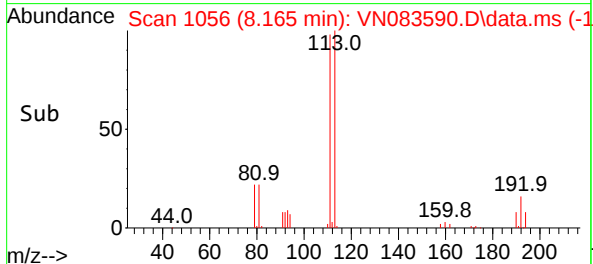
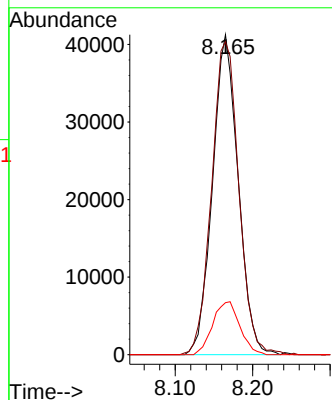
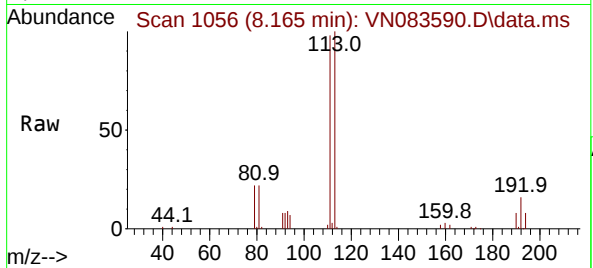




#35
Dibromofluoromethane
Concen: 51.868 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

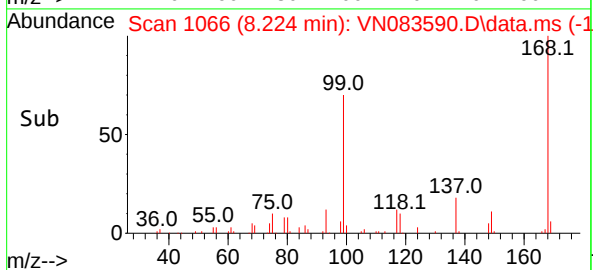
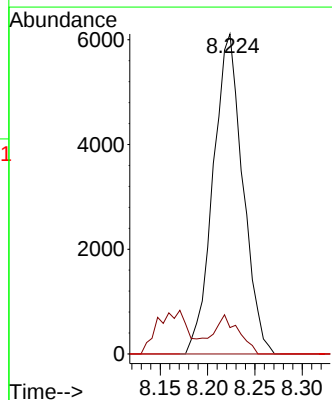
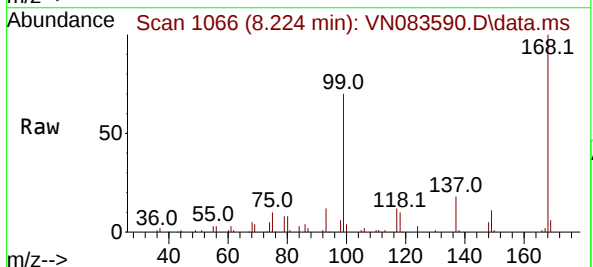
Instrument :
MSVOA_N
ClientSampleId :

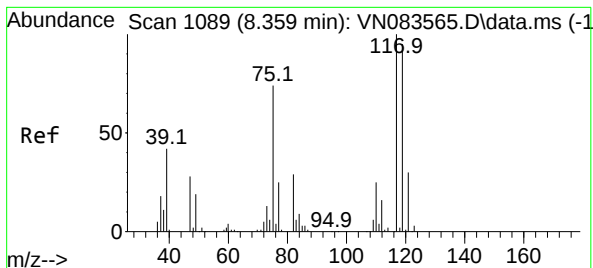
Tgt Ion:113 Resp: 94855
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 17.5 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.785 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

Tgt Ion: 75 Resp: 13348
Ion Ratio Lower Upper
75 100
110 9.3 16.7 50.1#
77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.453 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

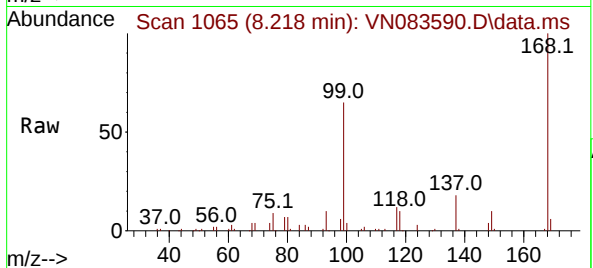
Lab File: VN083590.D

Acq: 31 Aug 2024 03:08

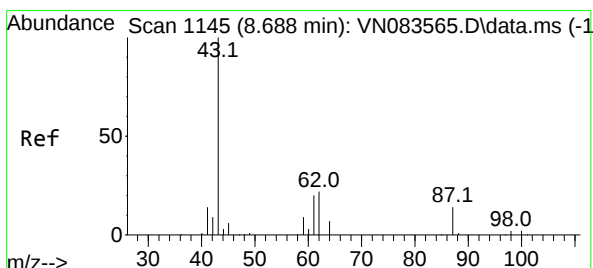
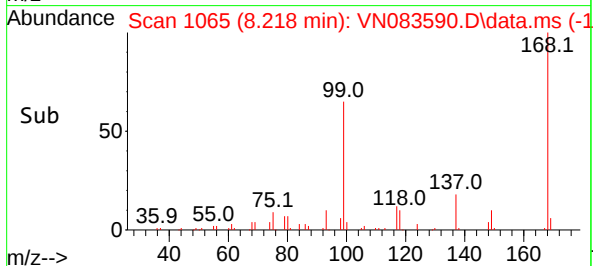
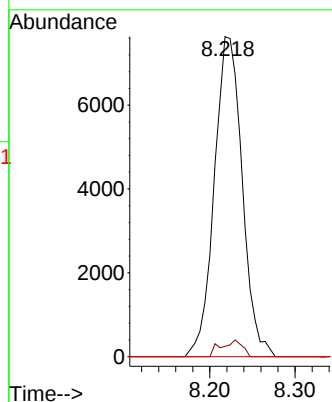
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	117	Resp:	17354
Ion	Ratio	Lower	Upper
117	100		
119	3.2	76.1	114.1#
121	0.0	24.1	36.1#



#43

Isopropyl Acetate

Concen: Below Cal

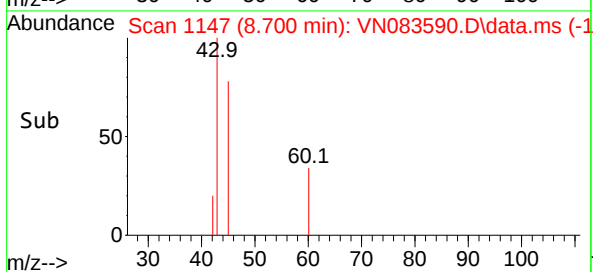
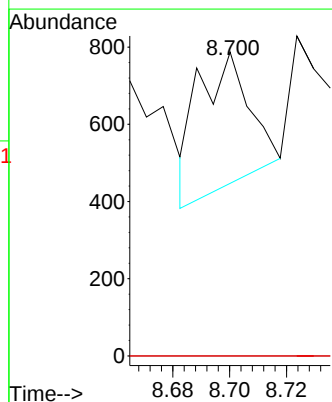
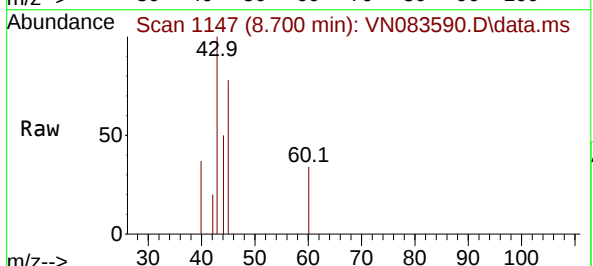
RT: 8.700 min Scan# 1147

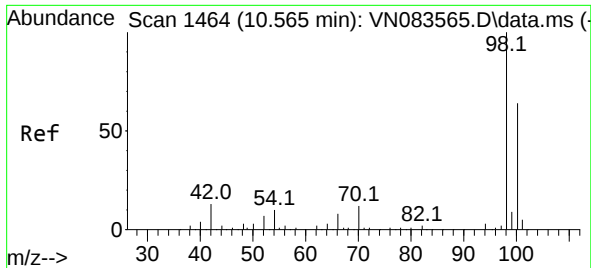
Delta R.T. 0.012 min

Lab File: VN083590.D

Acq: 31 Aug 2024 03:08

Tgt Ion:	43	Resp:	443
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.4	29.0#
87	0.0	9.8	14.6#

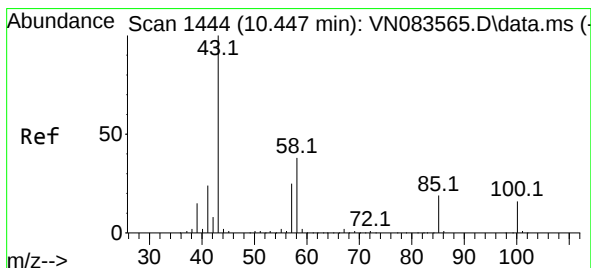
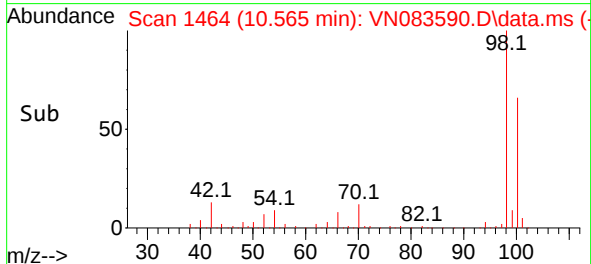
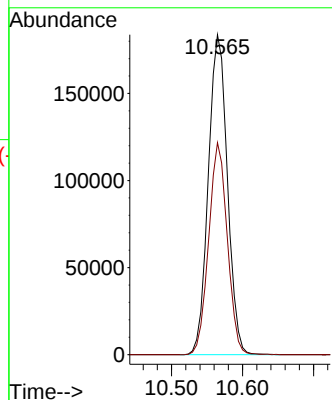
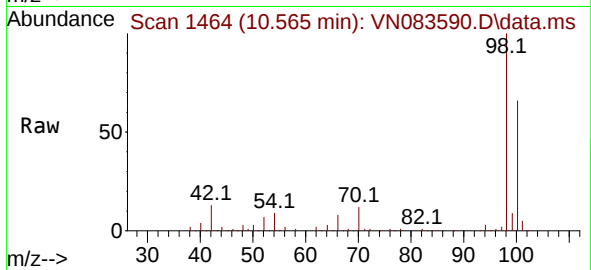




#50
Toluene-d8
Concen: 48.185 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

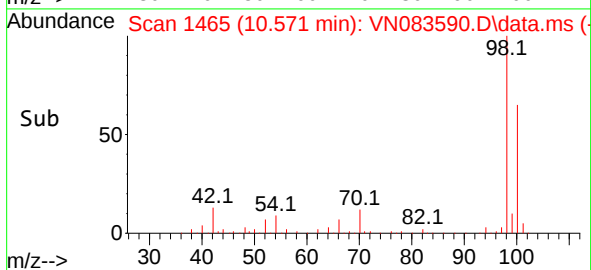
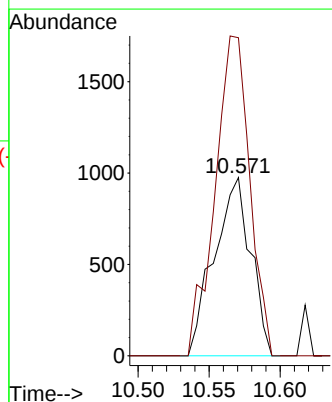
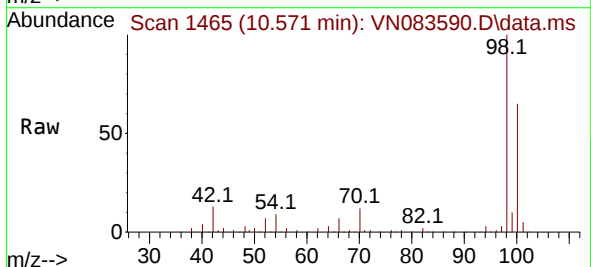
Instrument :
MSVOA_N
ClientSampleId :

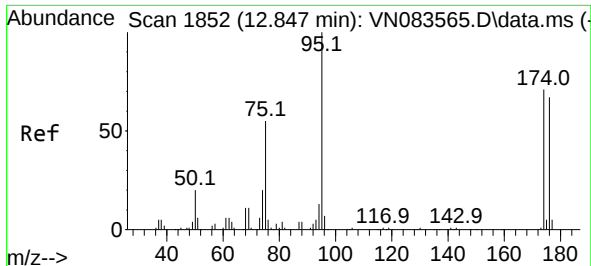
Tgt Ion: 98 Resp: 343240
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.677 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

Tgt Ion: 43 Resp: 1748
Ion Ratio Lower Upper
43 100
58 170.6 31.6 47.4#

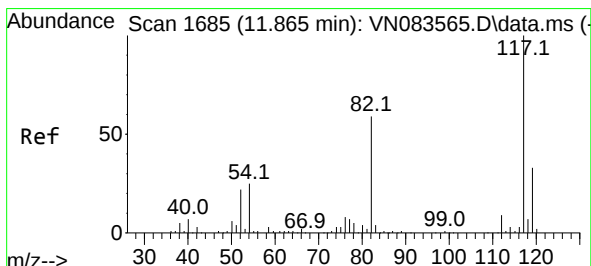
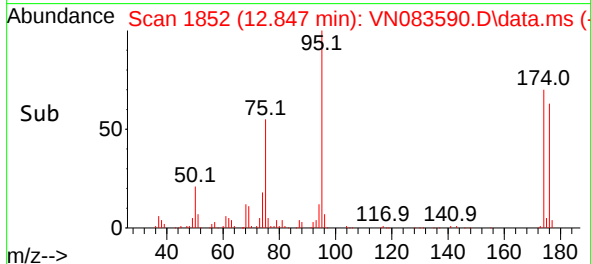
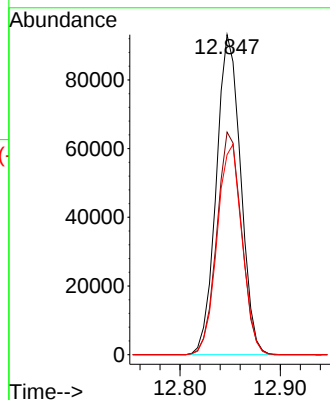
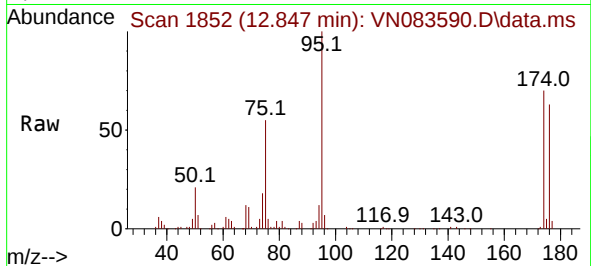




#62
4-Bromofluorobenzene
Concen: 59.500 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

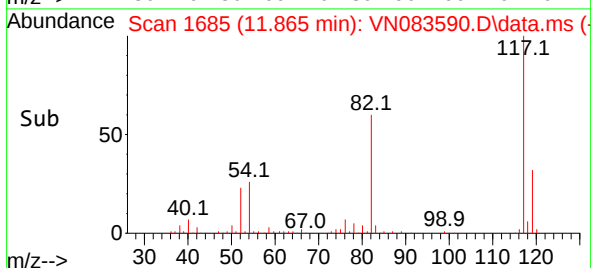
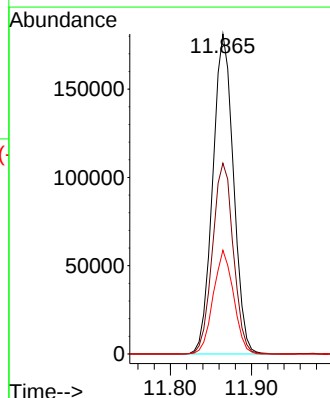
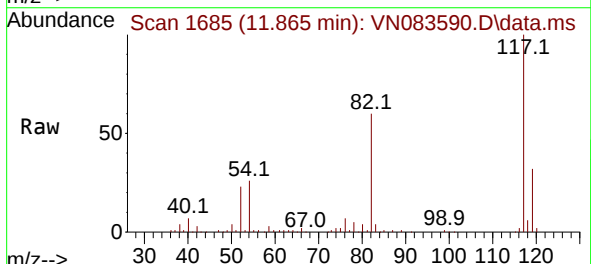
Instrument :
MSVOA_N
ClientSampleId :

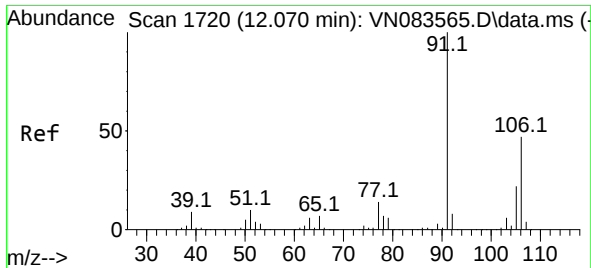
Tgt Ion: 95 Resp: 156970
Ion Ratio Lower Upper
95 100
174 70.6 0.0 139.8
176 67.4 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

Tgt Ion: 117 Resp: 321557
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.0
119 32.4 26.3 39.5

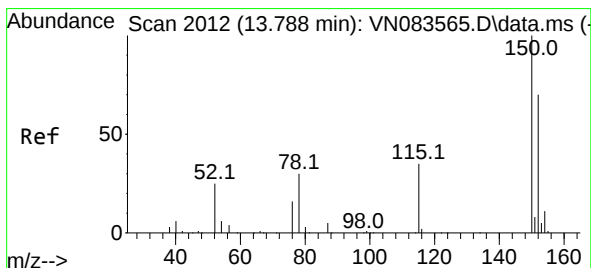
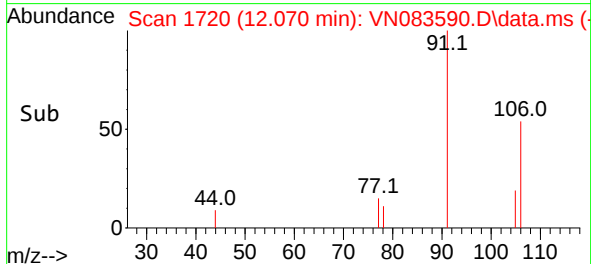
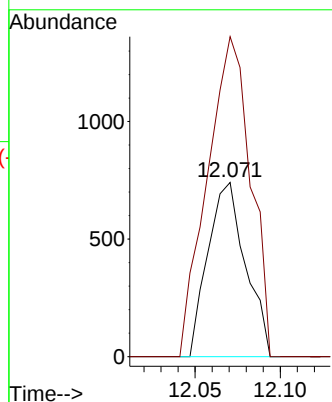
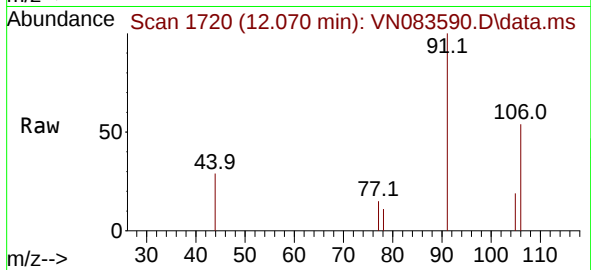




#68
m/p-Xylenes
Concen: 0.235 ug/l
RT: 12.070 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

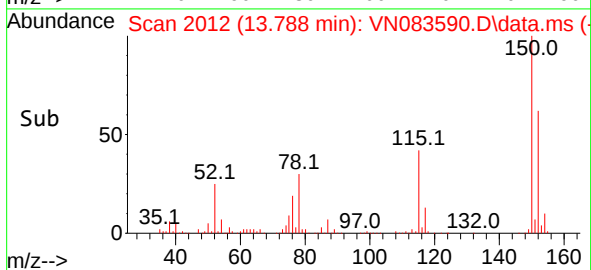
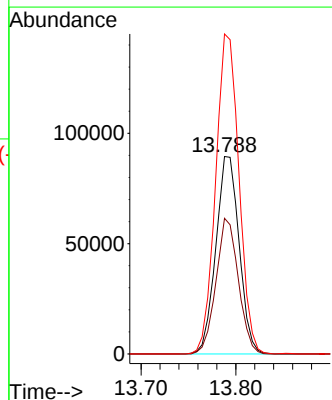
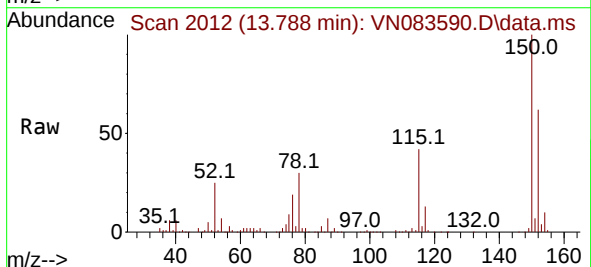
Instrument :
MSVOA_N
ClientSampleId :

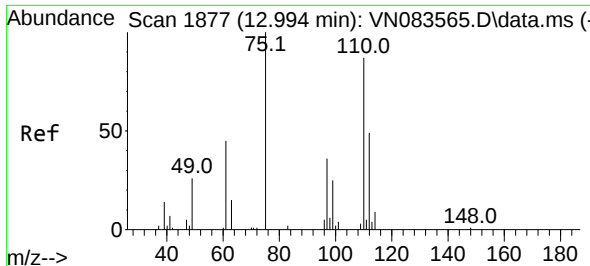
Tgt Ion:106 Resp: 1139
Ion Ratio Lower Upper
106 100
91 211.2 169.2 253.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

Tgt Ion:152 Resp: 152925
Ion Ratio Lower Upper
152 100
115 65.9 32.2 96.6
150 162.0 0.0 348.6

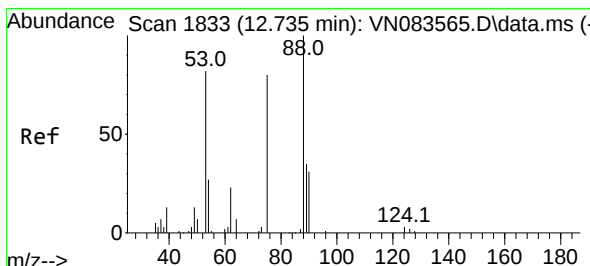
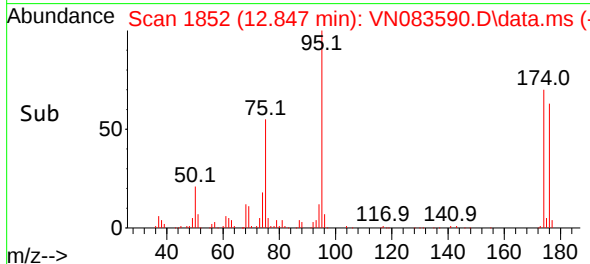
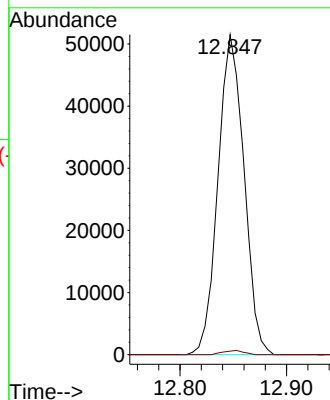
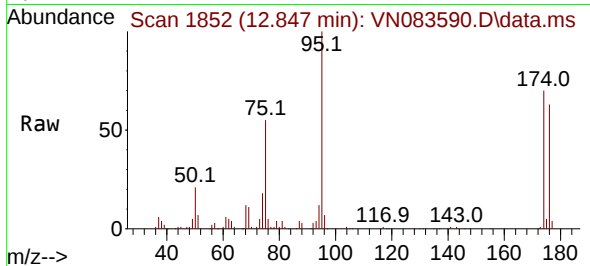




#76
1,2,3-Trichloropropane
Concen: 28.216 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

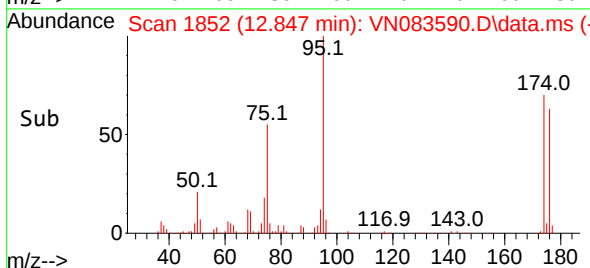
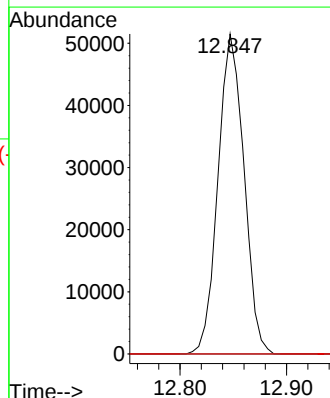
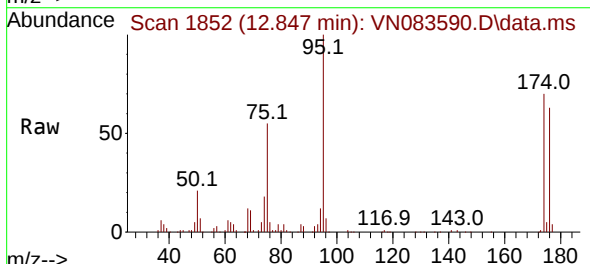
Instrument :
MSVOA_N
ClientSampleId :

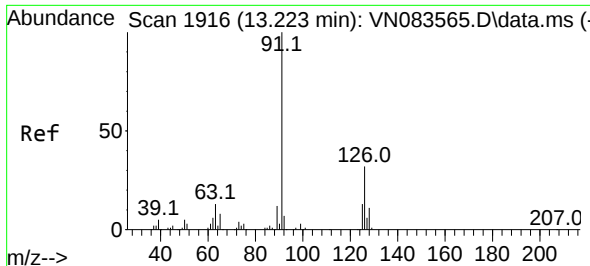
Tgt Ion: 75 Resp: 87119
Ion Ratio Lower Upper
75 100
77 1.1 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.551 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

Tgt Ion: 75 Resp: 87119
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

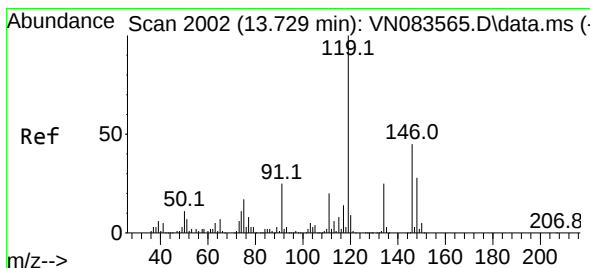
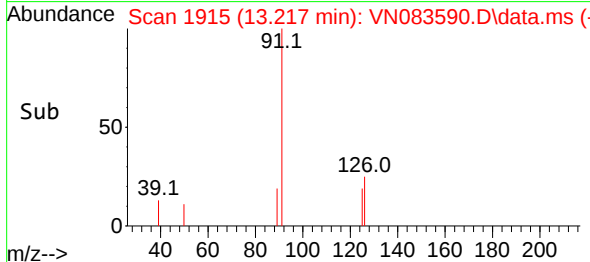
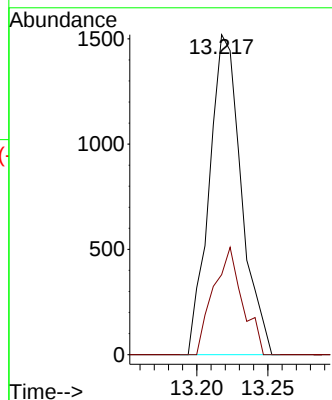
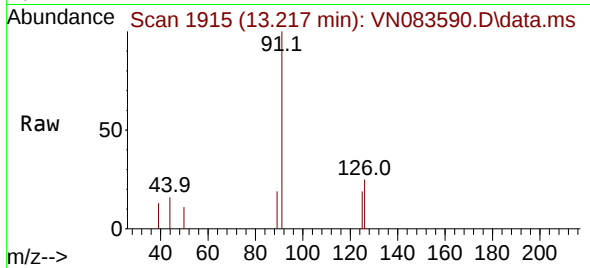




#82
4-Chlorotoluene
Concen: 0.254 ug/l
RT: 13.217 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

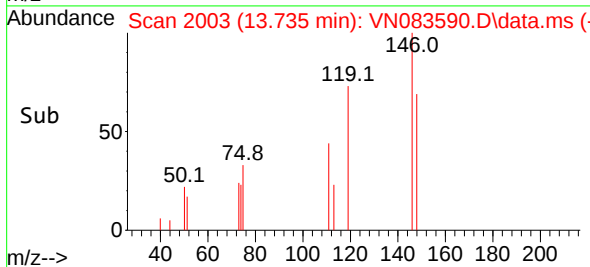
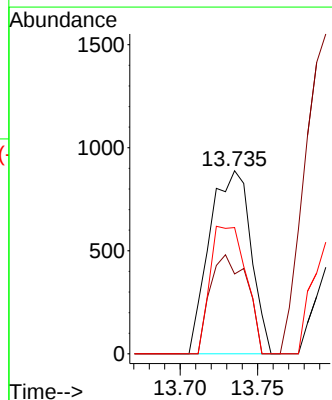
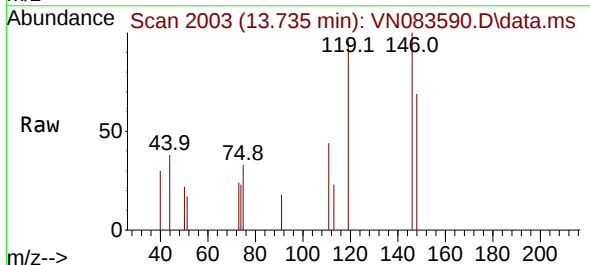
Instrument :
MSVOA_N
ClientSampleId :

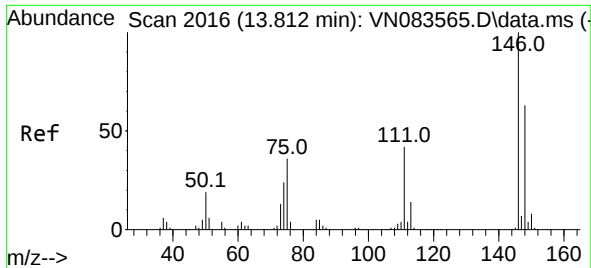
Tgt Ion: 91 Resp: 2390
Ion Ratio Lower Upper
91 100
126 30.3 15.4 46.2



#87
1,3-Dichlorobenzene
Concen: 0.293 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

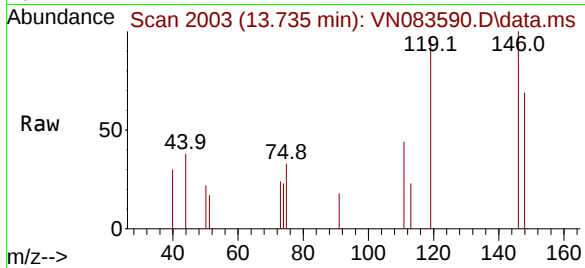
Tgt Ion: 146 Resp: 1649
Ion Ratio Lower Upper
146 100
111 48.2 21.7 65.1
148 60.2 31.7 95.1



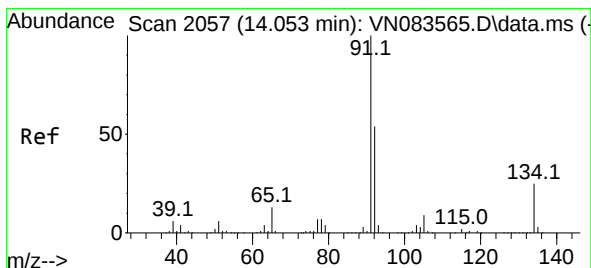
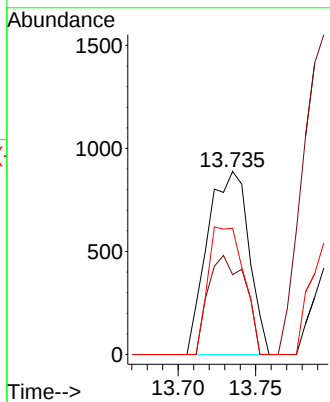
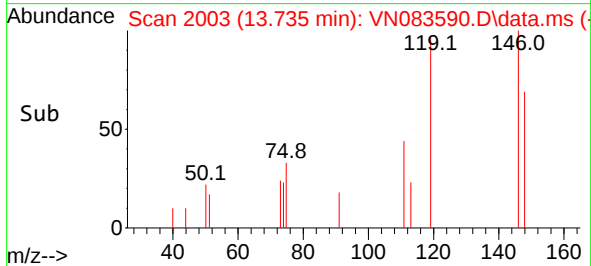


#88
1,4-Dichlorobenzene
Concen: 0.285 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.076 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

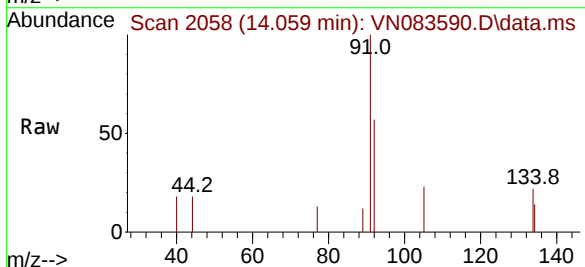
Instrument :
MSVOA_N
ClientSampleId :



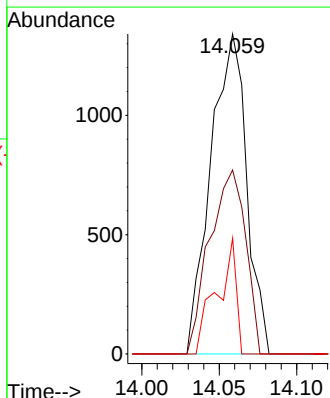
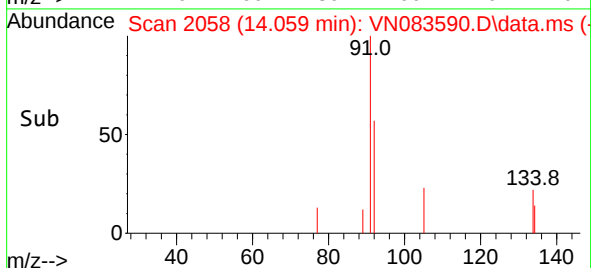
Tgt Ion:146 Resp: 1649
Ion Ratio Lower Upper
146 100
111 48.2 21.3 64.0
148 60.2 32.0 96.2

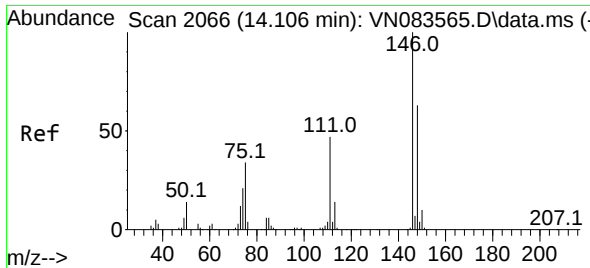


#89
n-Butylbenzene
Concen: 0.238 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08



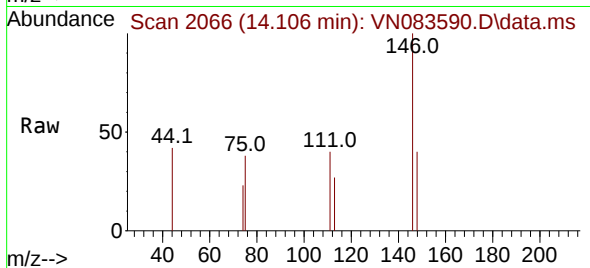
Tgt Ion: 91 Resp: 2159
Ion Ratio Lower Upper
91 100
92 57.6 26.7 80.1
134 19.5 12.2 36.4



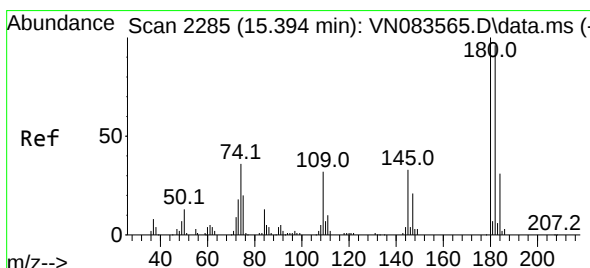
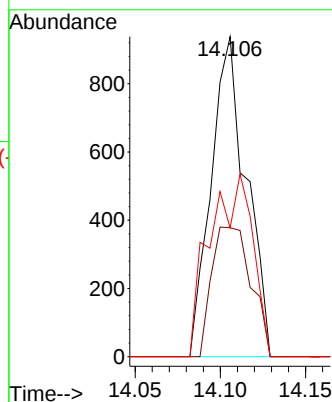
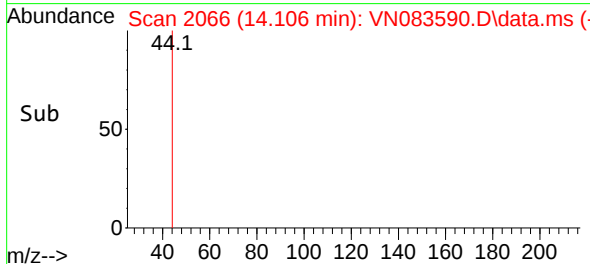


#91
1,2-Dichlorobenzene
Concen: 0.247 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08

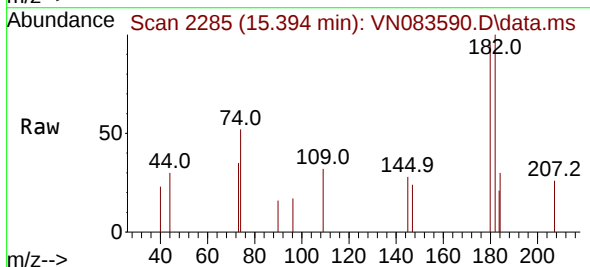
Instrument :
MSVOA_N
ClientSampleId :



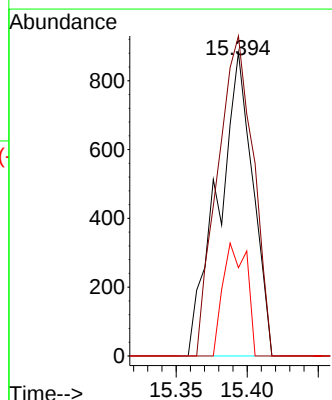
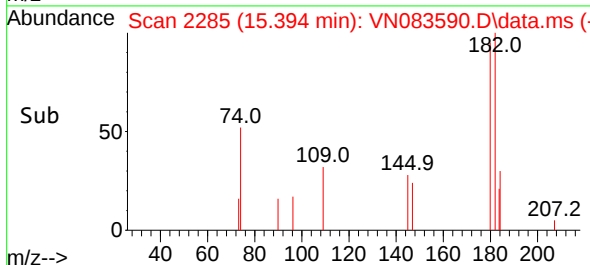
Tgt Ion:146 Resp: 1343
Ion Ratio Lower Upper
146 100
111 45.4 22.8 68.3
148 69.8 32.1 96.5

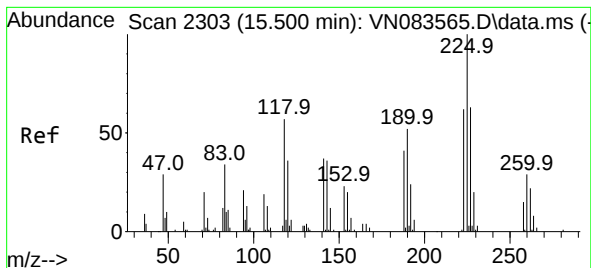


#93
1,2,4-Trichlorobenzene
Concen: 0.487 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.000 min
Lab File: VN083590.D
Acq: 31 Aug 2024 03:08



Tgt Ion:180 Resp: 1498
Ion Ratio Lower Upper
180 100
182 108.6 48.1 144.3
145 25.5 16.9 50.7





#94

Hexachlorobutadiene

Concen: 0.294 ug/l

RT: 15.494 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN083590.D

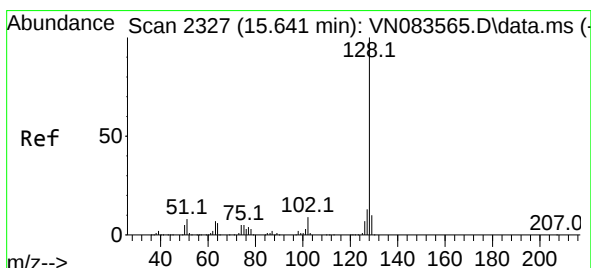
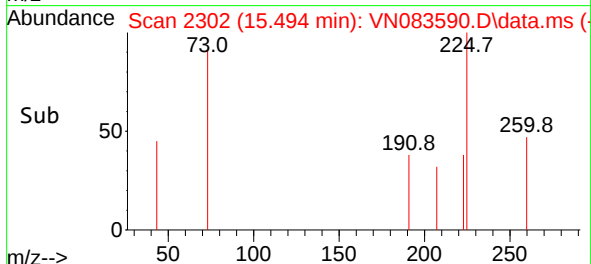
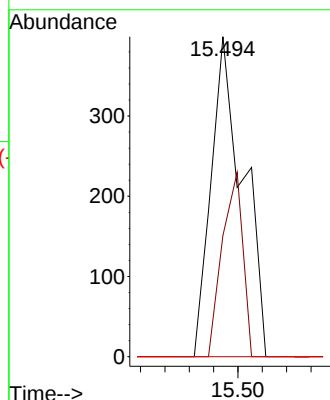
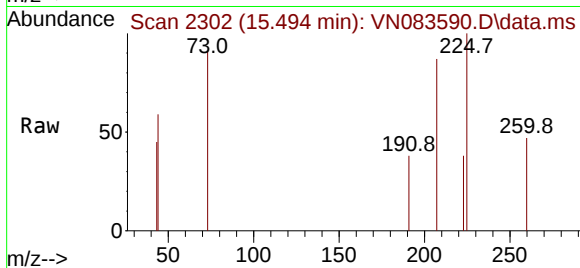
Acq: 31 Aug 2024 03:08

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:225	Resp:	363
Ion	Ratio	Lower Upper
225	100	
223	36.9	31.9 95.5
227	0.0	32.0 96.2#



#95

Naphthalene

Concen: 0.401 ug/l

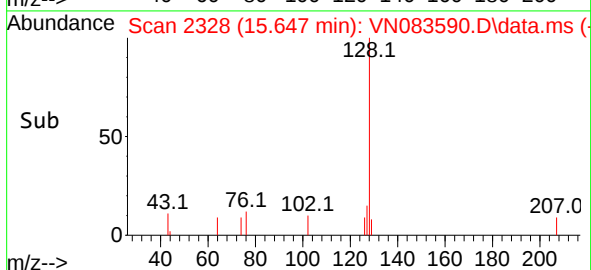
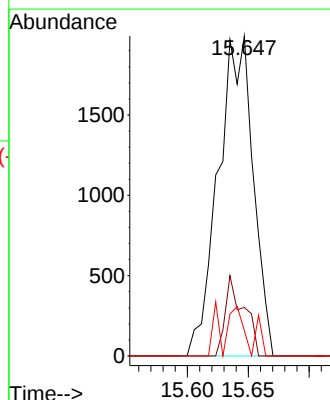
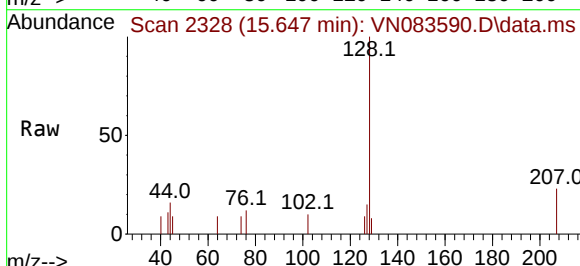
RT: 15.647 min Scan# 2328

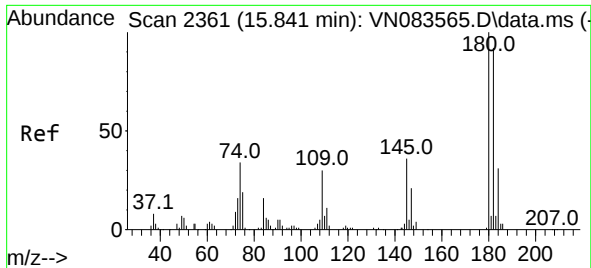
Delta R.T. 0.006 min

Lab File: VN083590.D

Acq: 31 Aug 2024 03:08

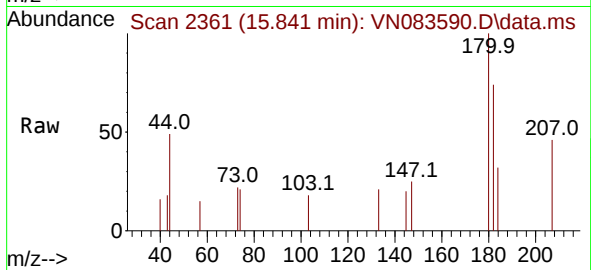
Tgt Ion:128	Resp:	3967
Ion	Ratio	Lower Upper
128	100	
127	13.5	10.2 15.2
129	6.5	8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.459 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN083590.D
 Acq: 31 Aug 2024 03:08

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	74.2	47.1	141.4
145	14.1	17.8	53.5

