

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
 Data File : VN083453.D
 Acq On : 23 Aug 2024 12:09
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 23 23:58:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

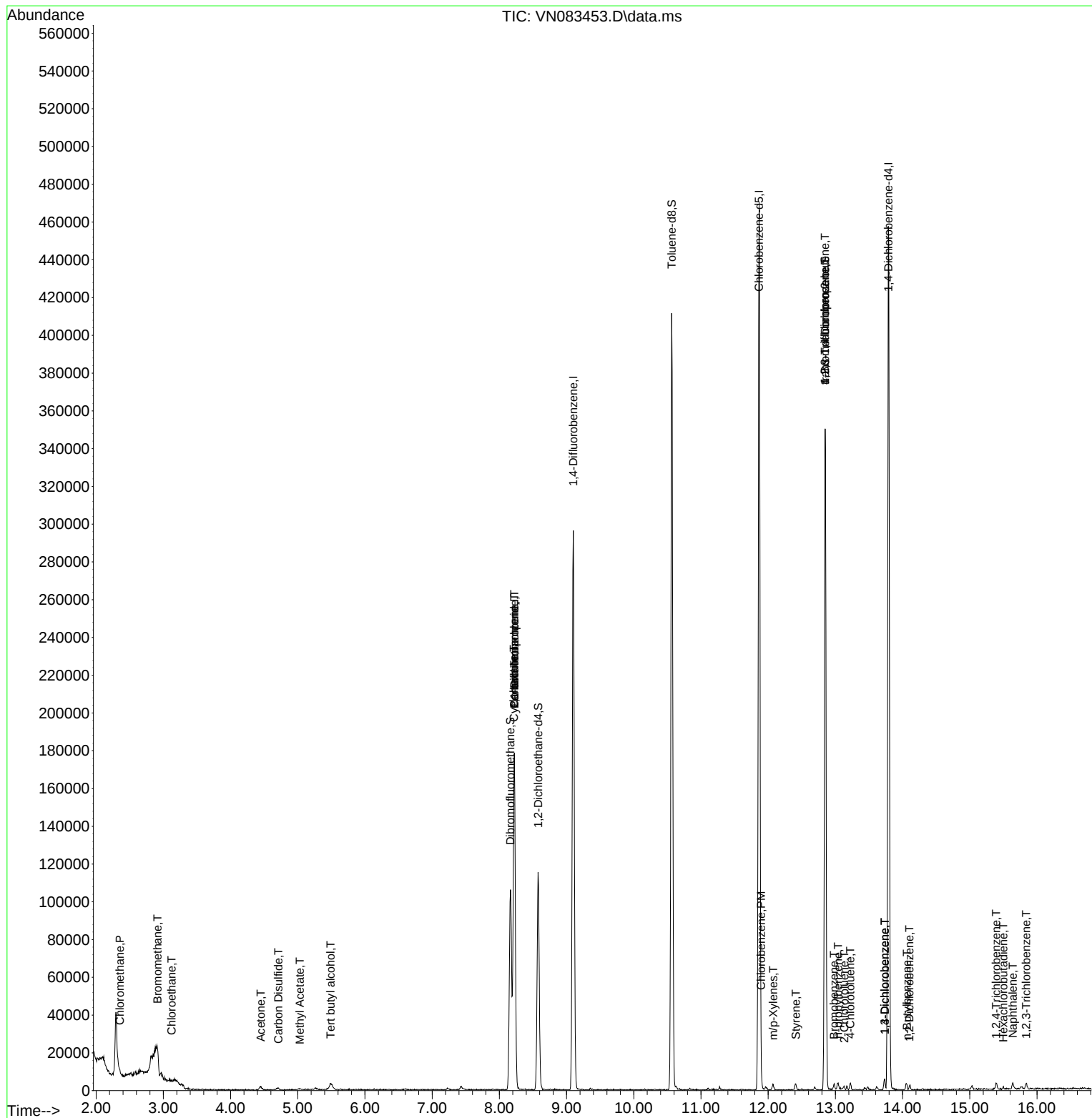
Internal Standards						
1) Pentafluorobenzene	8.224	168	121769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	248040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	97002	55.966	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.940%
35) Dibromofluoromethane	8.165	113	78320	50.587	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.180%
50) Toluene-d8	10.565	98	277309	48.017	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.040%
62) 4-Bromofluorobenzene	12.847	95	122424	54.374	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.740%
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	638	0.451	ug/l #	43
5) Bromomethane	2.912	94	518	0.579	ug/l #	1
6) Chloroethane	3.124	64	524	0.581	ug/l	92
11) Tert butyl alcohol	5.488	59	3600	9.994	ug/l #	71
16) Acetone	4.447	43	383	0.565	ug/l #	48
17) Carbon Disulfide	4.712	76	2632	0.666	ug/l #	75
18) Methyl Acetate	5.030	43	1035	0.512	ug/l #	56
31) Cyclohexane	8.218	56	3336	1.299	ug/l #	40
36) 1,1-Dichloropropene	8.224	75	10950	4.675	ug/l #	51
38) Carbon Tetrachloride	8.224	117	14542	5.513	ug/l #	16
43) Isopropyl Acetate	8.765	43	135	Below Cal	#	60
65) Chlorobenzene	11.894	112	1348	0.235	ug/l #	31
68) m/p-Xylenes	12.076	106	1198	0.304	ug/l	97
70) Styrene	12.412	104	1652	0.253	ug/l #	87
76) 1,2,3-Trichloropropane	12.847	75	67139	25.859	ug/l #	1
77) Bromobenzene	12.982	156	746	0.339	ug/l	85
78) n-propylbenzene	13.041	91	3275	0.287	ug/l	96
79) 2-Chlorotoluene	13.135	91	1781	0.247	ug/l	80
81) trans-1,4-Dichloro-2-b...	12.847	75	67139	56.251	ug/l #	6
82) 4-Chlorotoluene	13.223	91	2959	0.408	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	1954	0.472	ug/l	96
88) 1,4-Dichlorobenzene	13.735	146	1954	0.469	ug/l	97
89) n-Butylbenzene	14.064	91	2640	0.369	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	1314	0.328	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	1539	0.686	ug/l #	82
94) Hexachlorobutadiene	15.500	225	246	0.247	ug/l #	28
95) Naphthalene	15.641	128	3902	0.491	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.841	180	1326	0.598	ug/l	91

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

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Sample : VIBLK
Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
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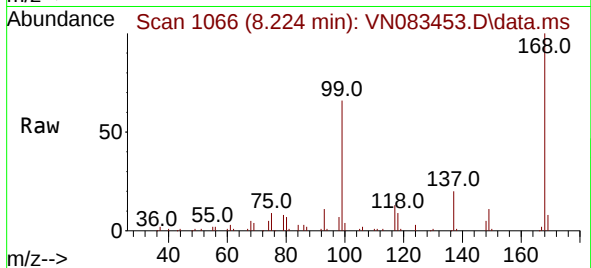
Quant Time: Aug 23 23:58:13 2024
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Quant Title : SW846 8260
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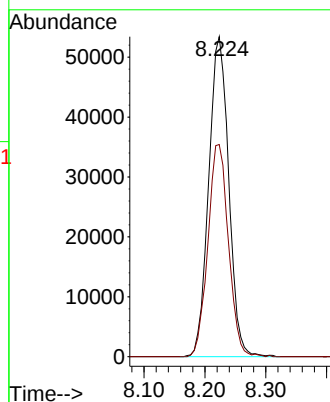
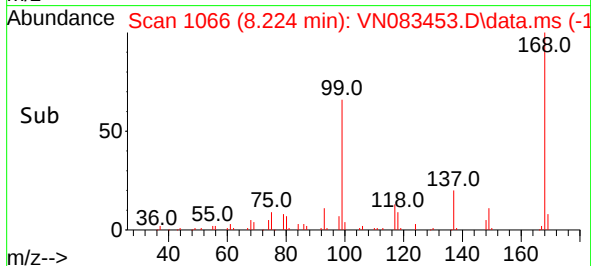


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :

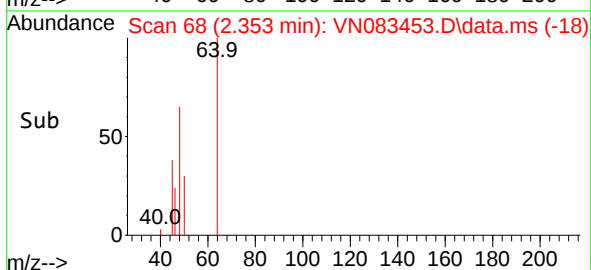
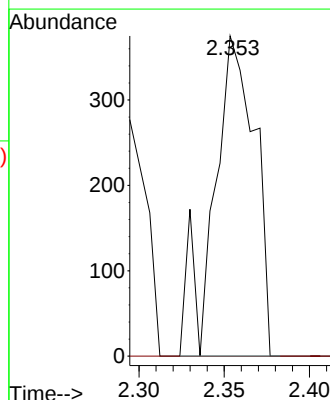
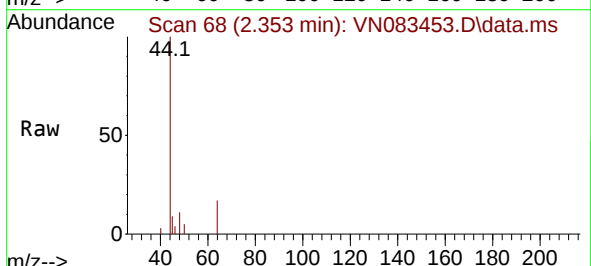


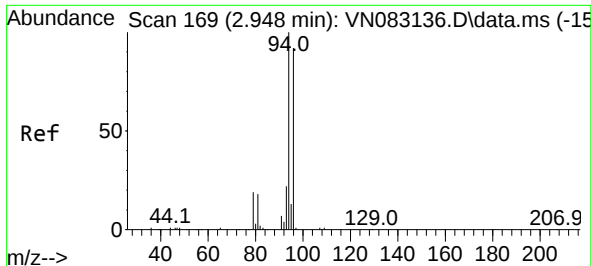
Tgt Ion:168 Resp: 121769
Ion Ratio Lower Upper
168 100
99 66.3 48.2 72.4



#3
Chloromethane
Concen: 0.451 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Tgt Ion: 50 Resp: 638
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

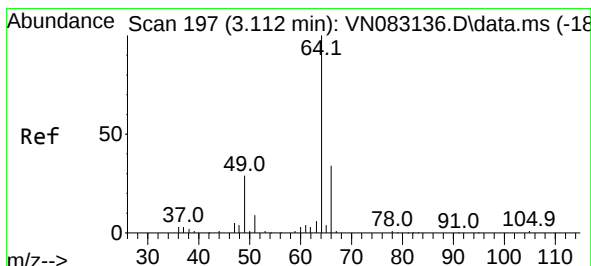
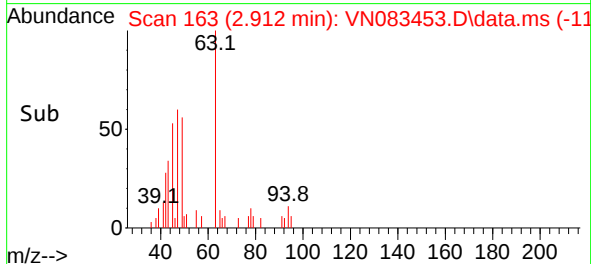
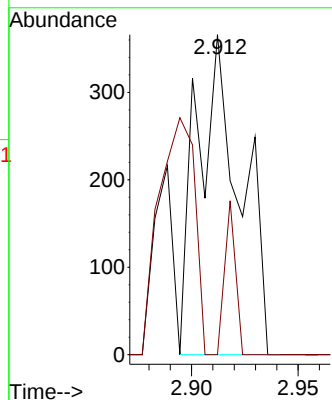
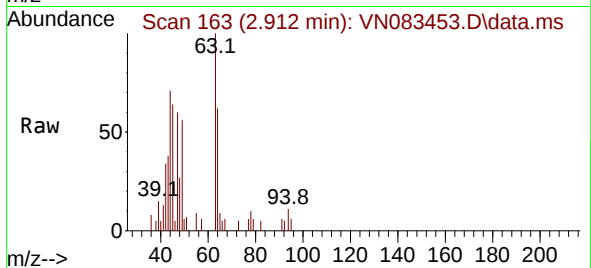




#5
Bromomethane
Concen: 0.579 ug/l
RT: 2.912 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

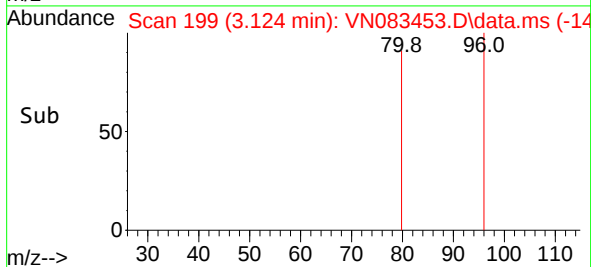
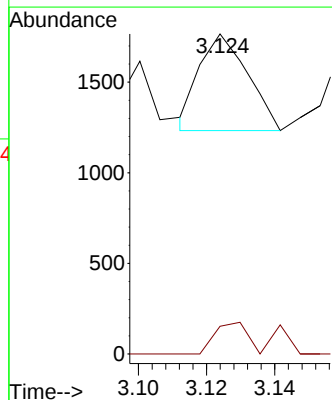
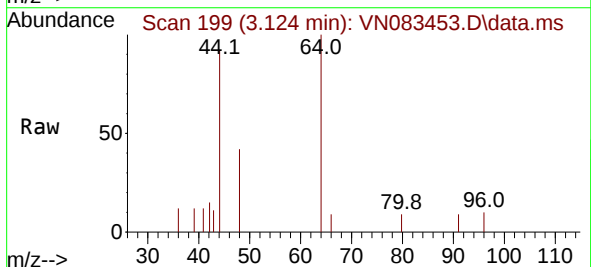
Instrument :
MSVOA_N
ClientSampleId :

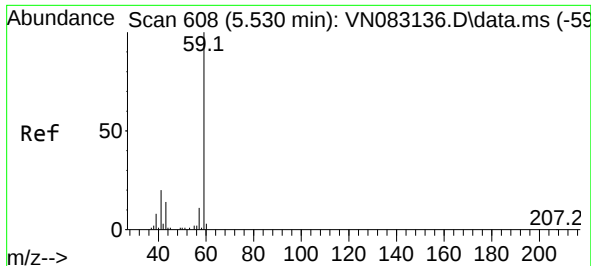
Tgt Ion: 94 Resp: 518
Ion Ratio Lower Upper
94 100
96 0.0 78.0 117.0#



#6
Chloroethane
Concen: 0.581 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.012 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Tgt Ion: 64 Resp: 524
Ion Ratio Lower Upper
64 100
66 28.7 26.6 40.0





#11

Tert butyl alcohol

Concen: 9.994 ug/l

RT: 5.488 min Scan# 608

Delta R.T. -0.041 min

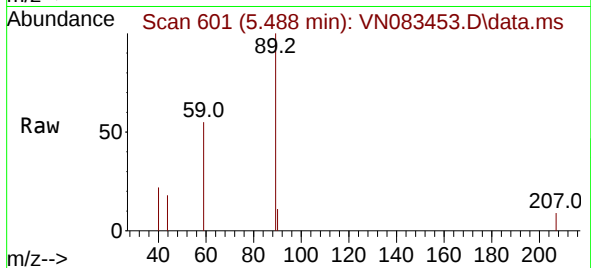
Lab File: VN083453.D

Acq: 23 Aug 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

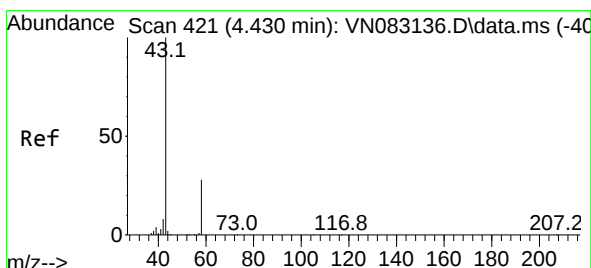
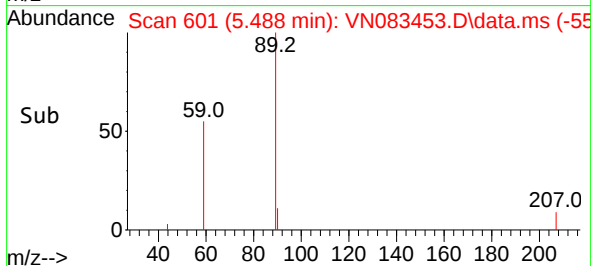
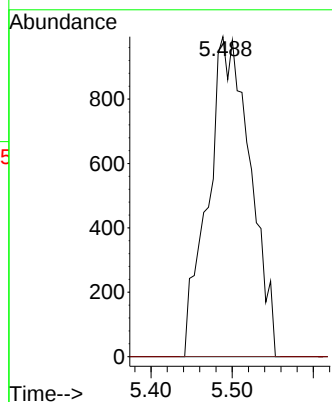


Tgt Ion: 59 Resp: 3600

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#16

Acetone

Concen: 0.565 ug/l

RT: 4.447 min Scan# 424

Delta R.T. 0.018 min

Lab File: VN083453.D

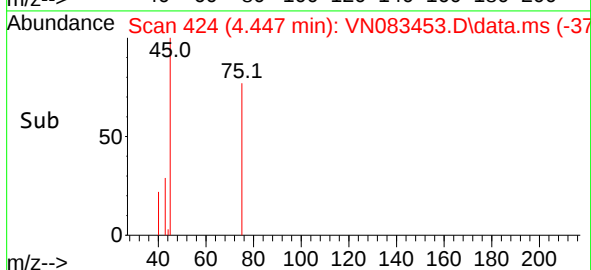
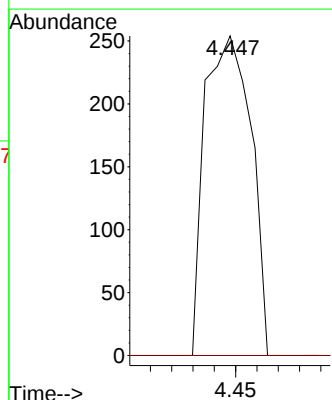
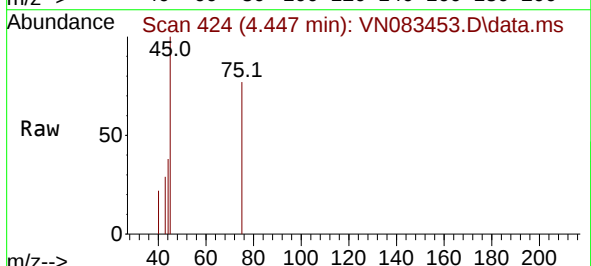
Acq: 23 Aug 2024 12:09

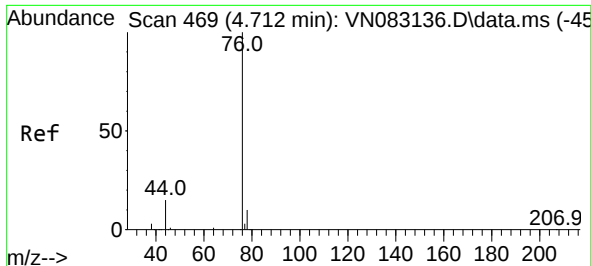
Tgt Ion: 43 Resp: 383

Ion Ratio Lower Upper

43 100

58 0.0 21.8 32.6#

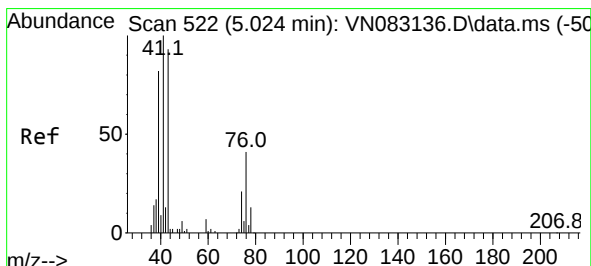
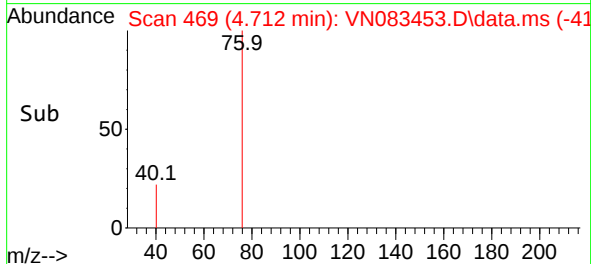
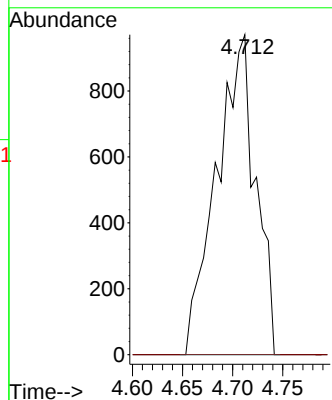
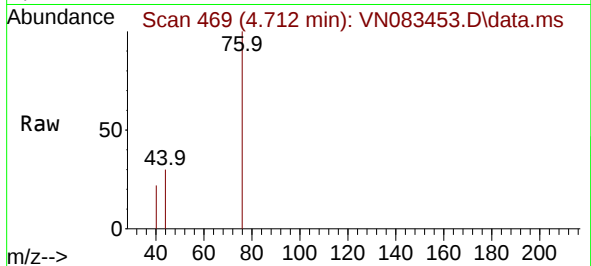




#17
Carbon Disulfide
Concen: 0.666 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

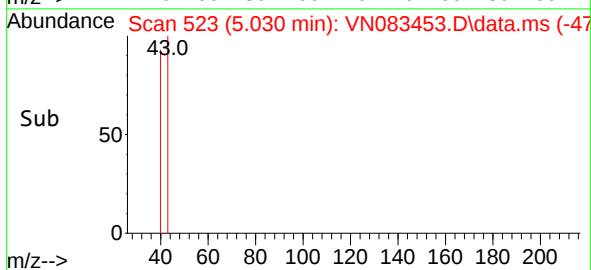
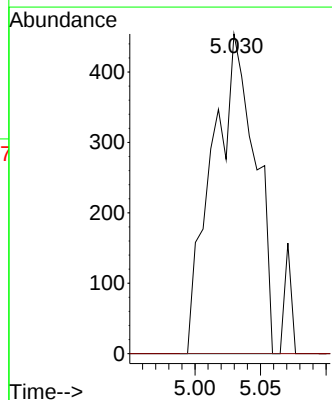
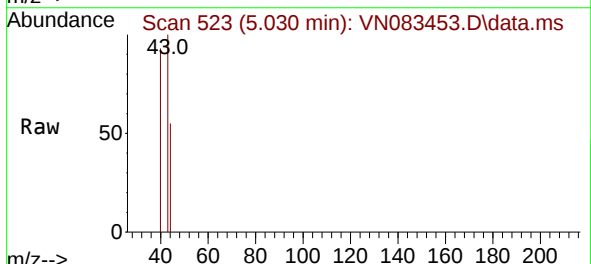
Instrument :
MSVOA_N
ClientSampleId :

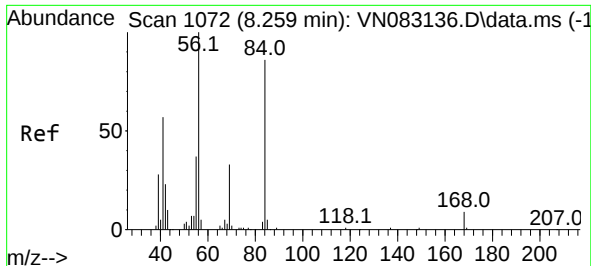
Tgt Ion: 76 Resp: 2632
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.512 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

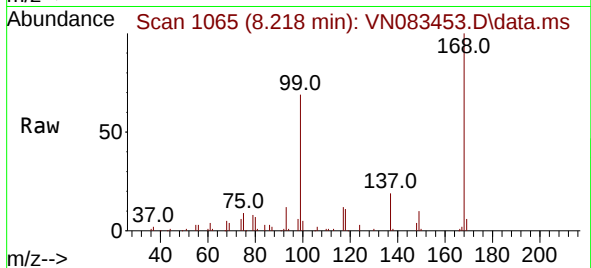
Tgt Ion: 43 Resp: 1035
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



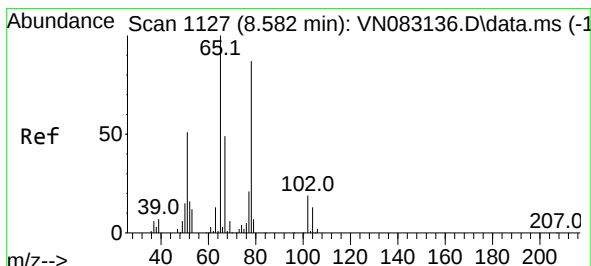
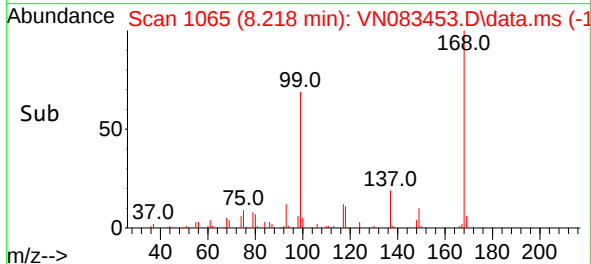
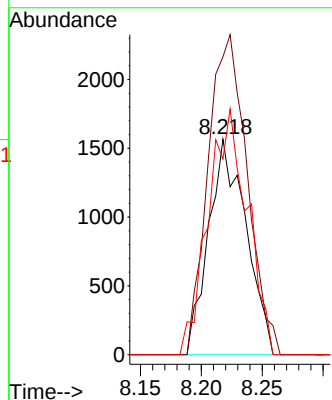


#31
Cyclohexane
Concen: 1.299 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :

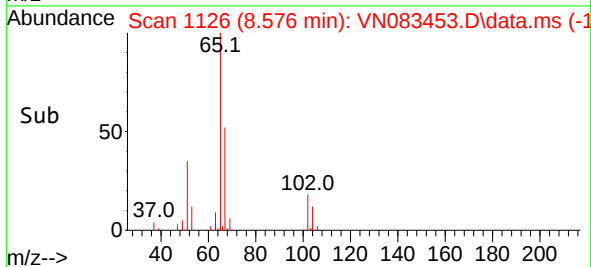
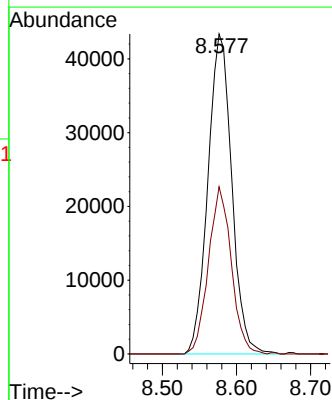
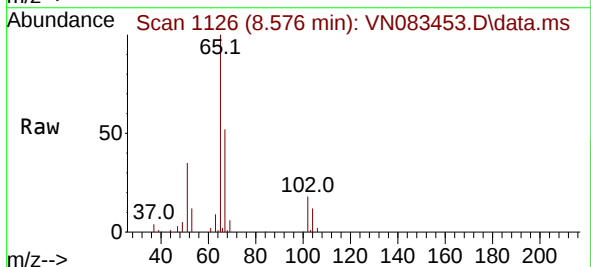


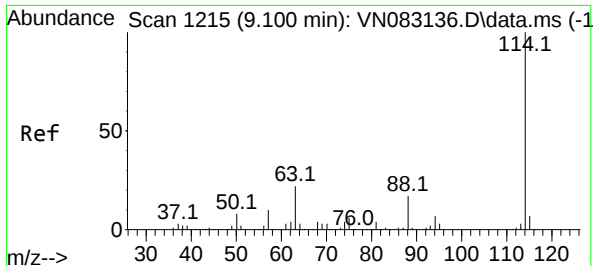
Tgt Ion: 56 Resp: 3336
Ion Ratio Lower Upper
56 100
69 138.1 24.5 36.7#
84 90.8 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 55.966 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Tgt Ion: 65 Resp: 97002
Ion Ratio Lower Upper
65 100
67 50.0 0.0 104.4

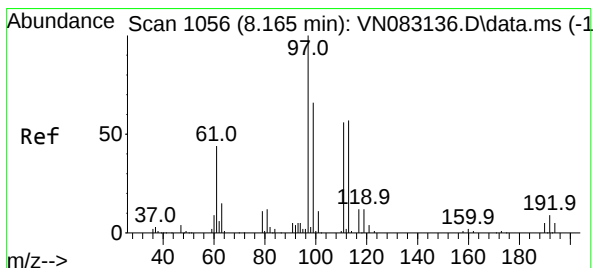
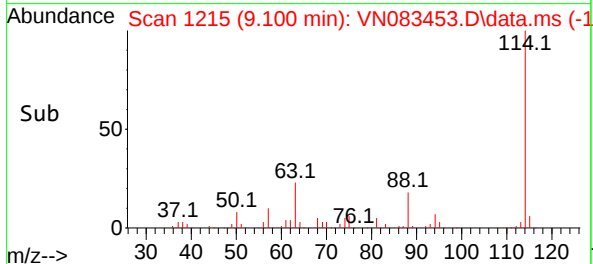
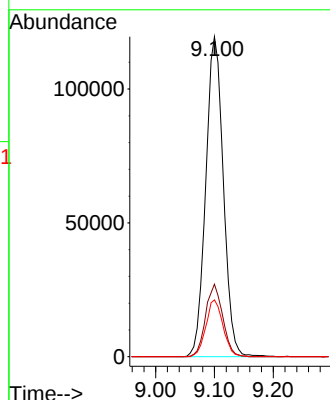
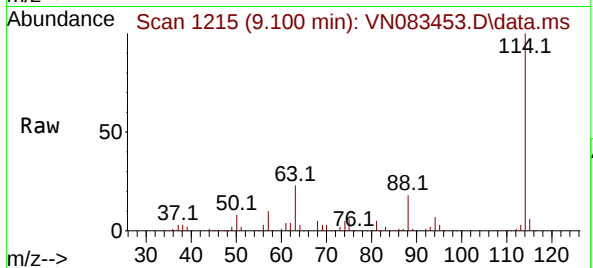




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

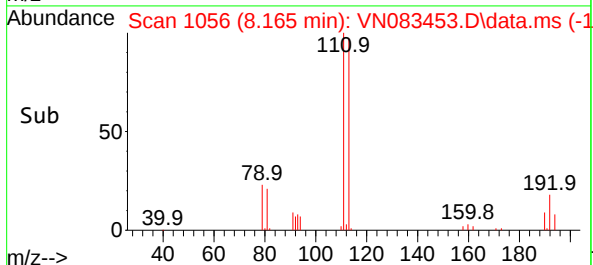
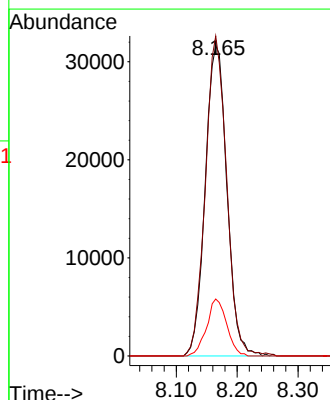
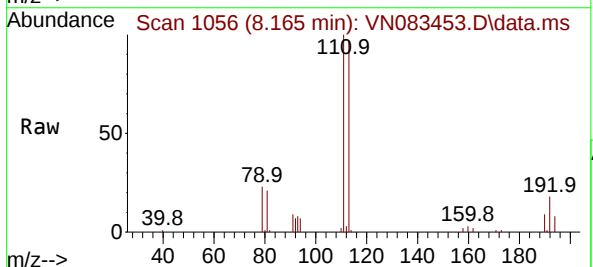
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MSVOA_N
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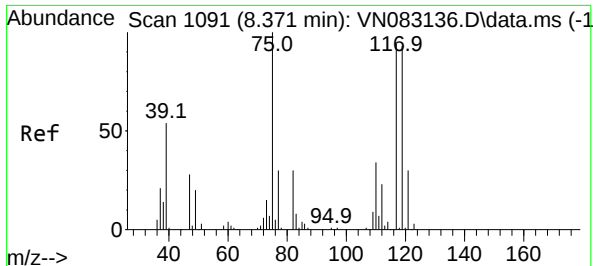
Tgt Ion:114 Resp: 248040
Ion Ratio Lower Upper
114 100
63 22.6 0.0 44.6
88 17.7 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.587 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Tgt Ion:113 Resp: 78320
Ion Ratio Lower Upper
113 100
111 101.0 82.4 123.6
192 16.9 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.675 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083453.D

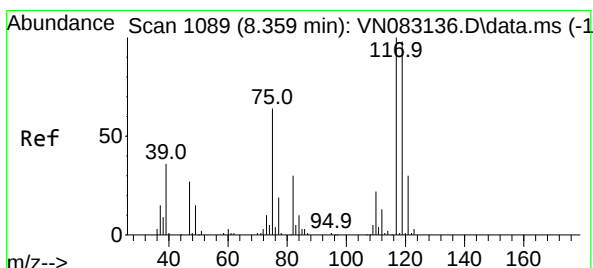
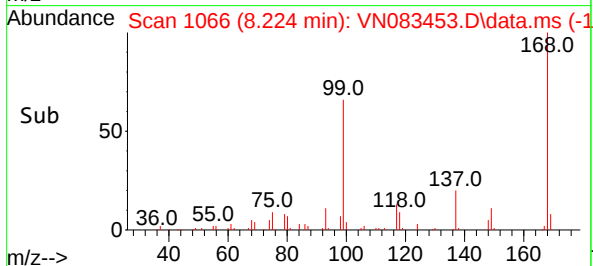
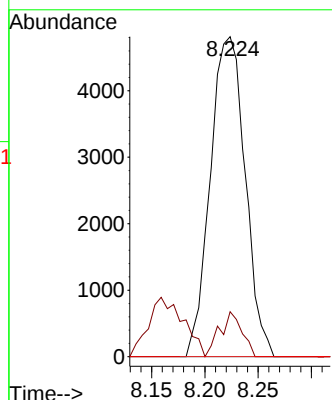
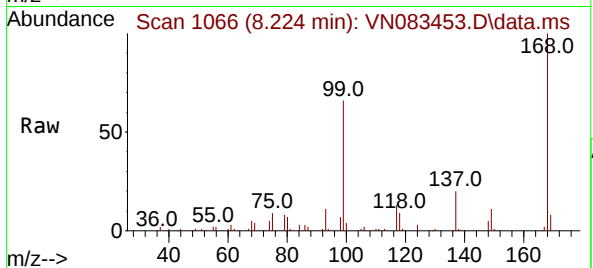
Acq: 23 Aug 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp: 10950
Ion Ratio	Lower Upper
75	100
110	8.9 16.3 48.9#
77	0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.513 ug/l

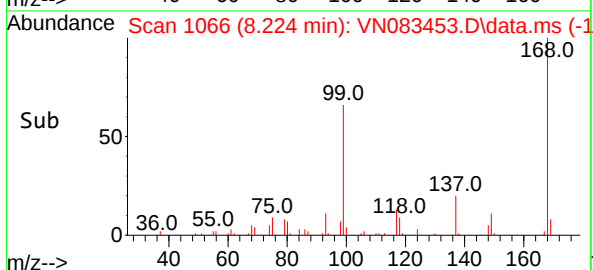
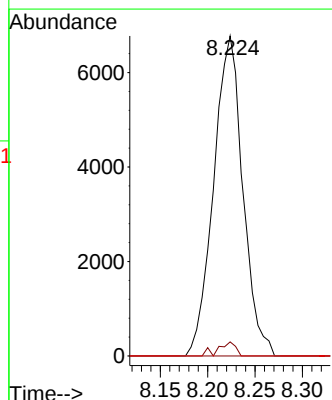
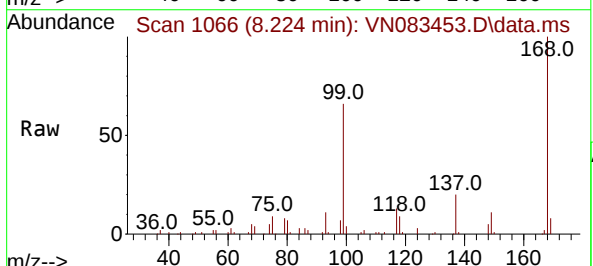
RT: 8.224 min Scan# 1066

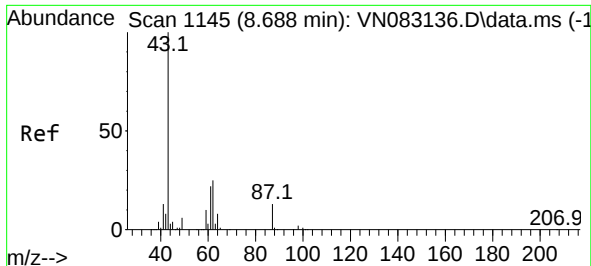
Delta R.T. -0.135 min

Lab File: VN083453.D

Acq: 23 Aug 2024 12:09

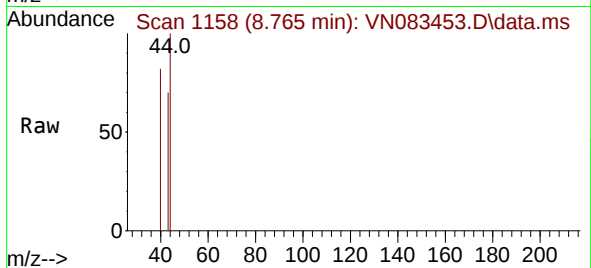
Tgt Ion: 117	Resp: 14542
Ion Ratio	Lower Upper
117	100
119	4.4 74.9 112.3#
121	0.0 24.3 36.5#



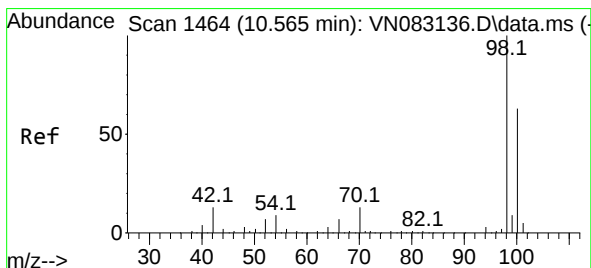
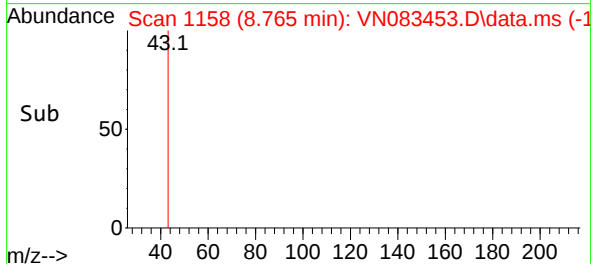
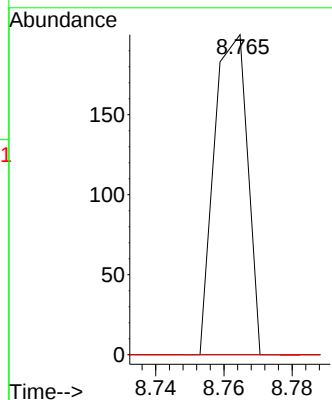


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.765 min Scan# 1145
Delta R.T. 0.077 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :

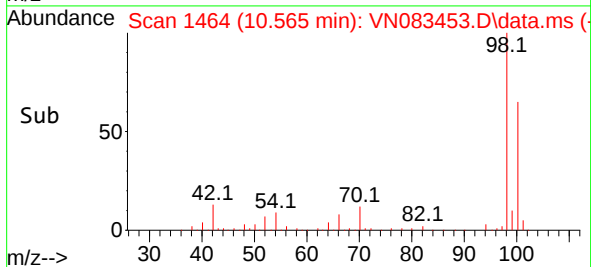
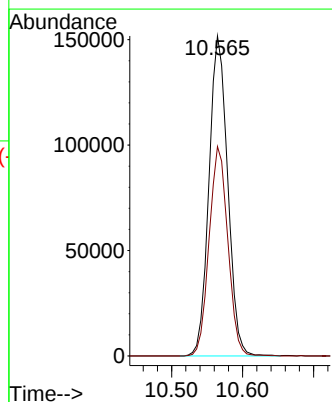
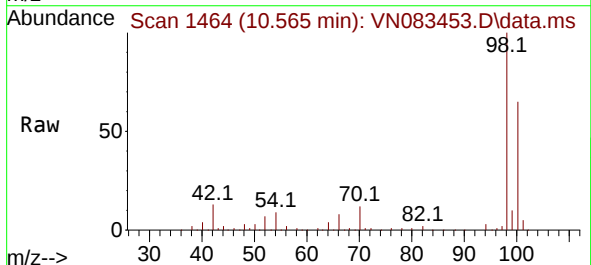


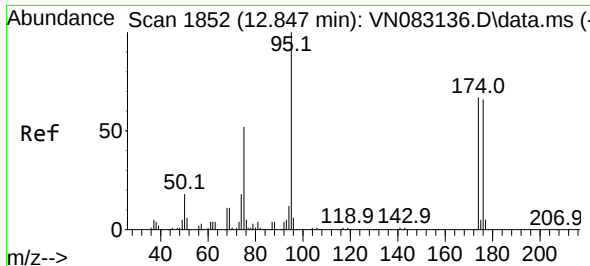
Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#50
Toluene-d8
Concen: 48.017 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Tgt Ion: 98 Resp: 277309
Ion Ratio Lower Upper
98 100
100 65.5 51.5 77.3

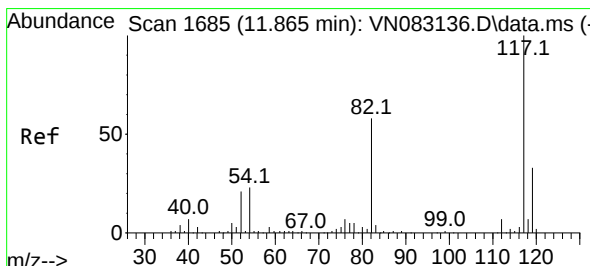
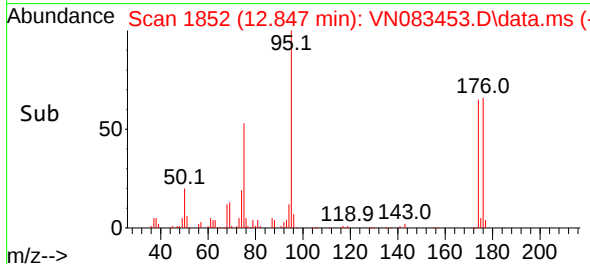
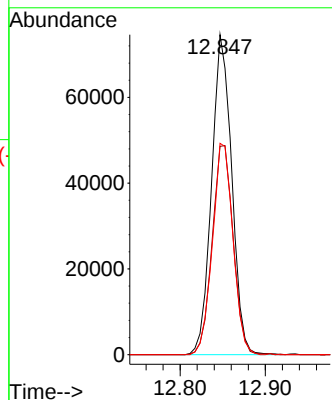
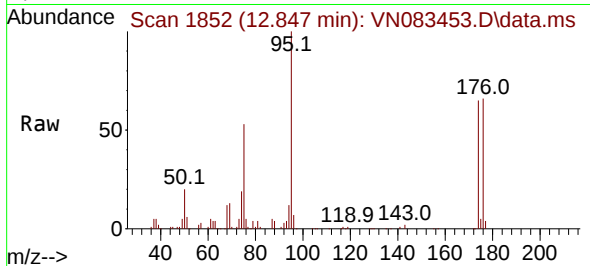




#62
4-Bromofluorobenzene
Concen: 54.374 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

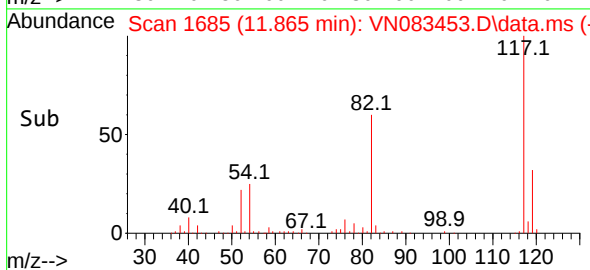
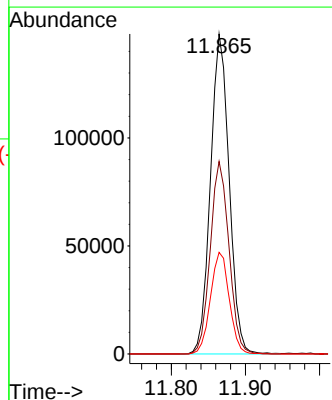
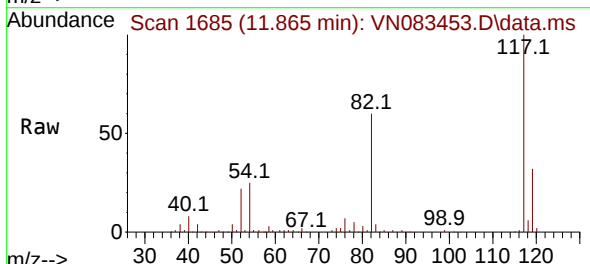
Instrument :
MSVOA_N
ClientSampleId :

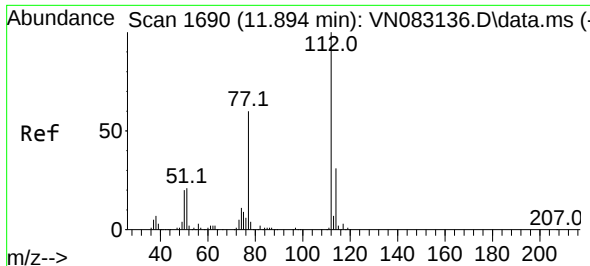
Tgt Ion: 95 Resp: 122424
Ion Ratio Lower Upper
95 100
174 68.5 0.0 159.2
176 67.3 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Tgt Ion: 117 Resp: 259235
Ion Ratio Lower Upper
117 100
82 60.1 47.5 71.3
119 31.7 25.6 38.4

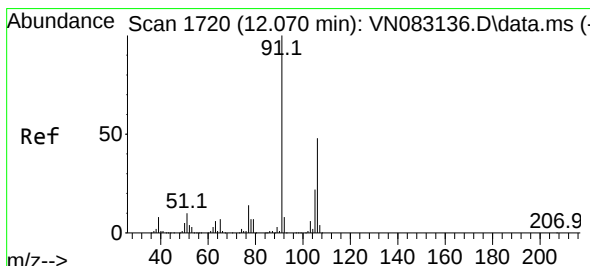
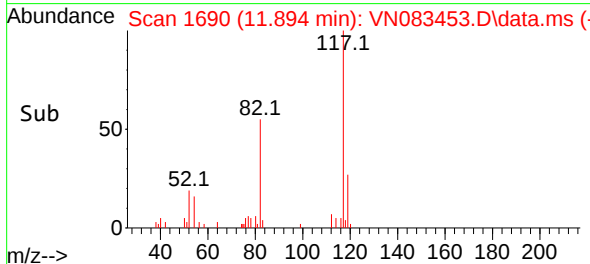
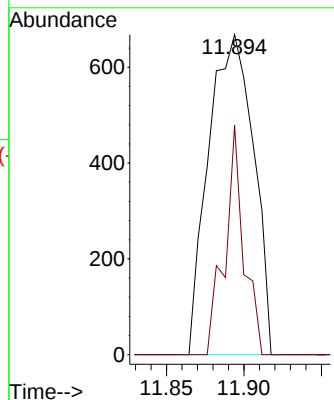
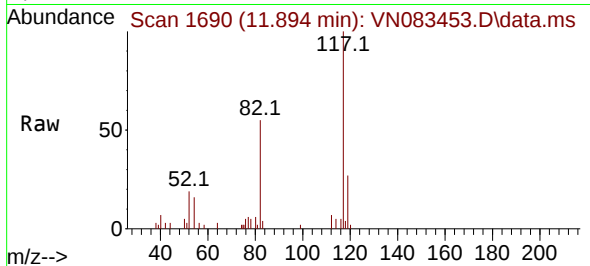




#65
Chlorobenzene
Concen: 0.235 ug/l
RT: 11.894 min Scan# 1189
Delta R.T. -0.000 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

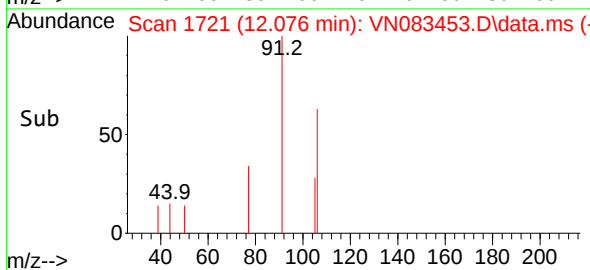
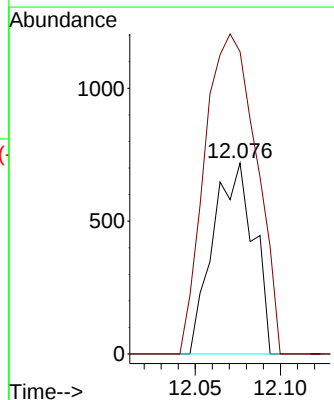
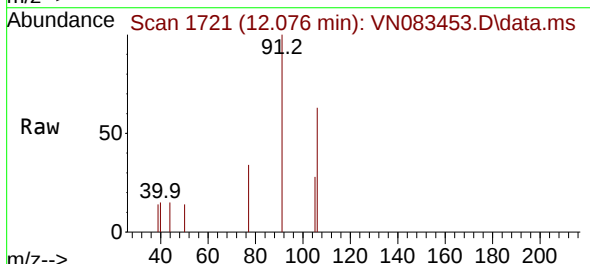
Instrument :
MSVOA_N
ClientSampleId :

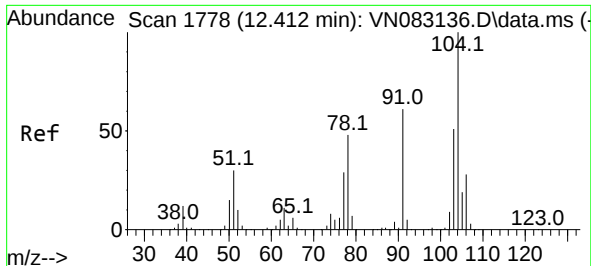
Tgt Ion:112 Resp: 1348
Ion Ratio Lower Upper
112 100
114 71.7 26.2 39.2#



#68
m/p-Xylenes
Concen: 0.304 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Tgt Ion:106 Resp: 1198
Ion Ratio Lower Upper
106 100
91 211.6 166.1 249.1

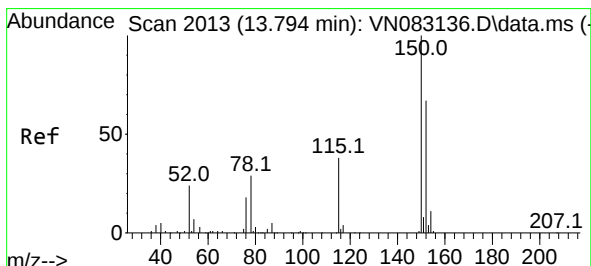
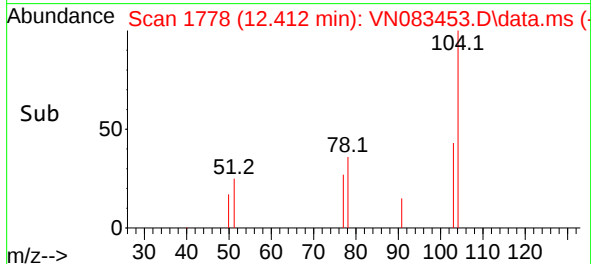
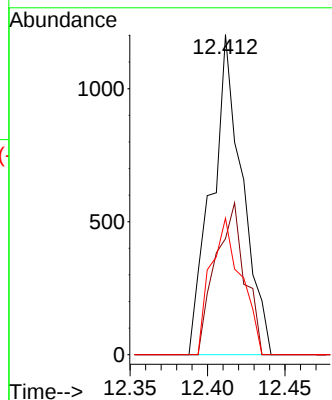
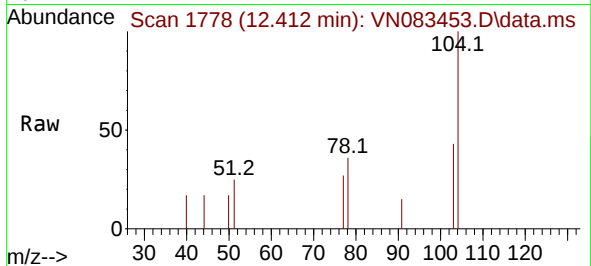




#70
Styrene
Concen: 0.253 ug/l
RT: 12.412 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

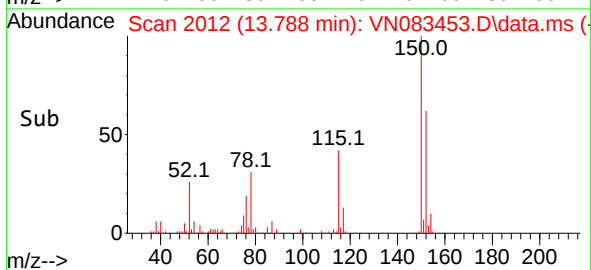
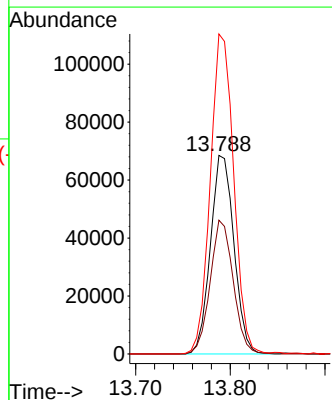
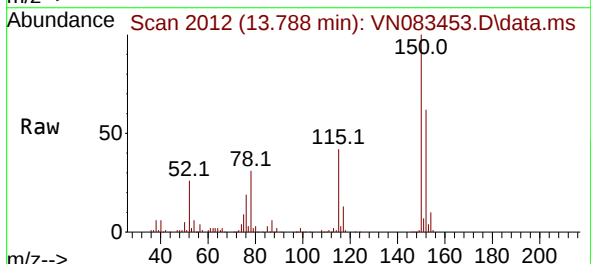
Instrument :
MSVOA_N
ClientSampleId :

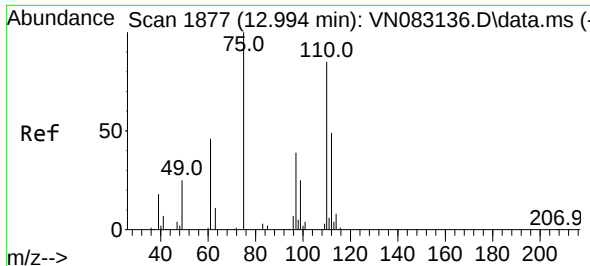
Tgt Ion:104 Resp: 1652
Ion Ratio Lower Upper
104 100
78 45.6 41.6 62.4
103 42.3 44.0 66.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Tgt Ion:152 Resp: 118296
Ion Ratio Lower Upper
152 100
115 65.9 30.6 91.6
150 160.8 0.0 348.6

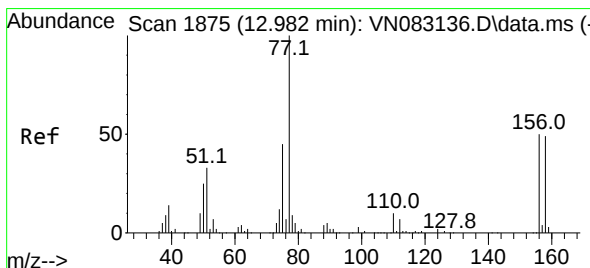
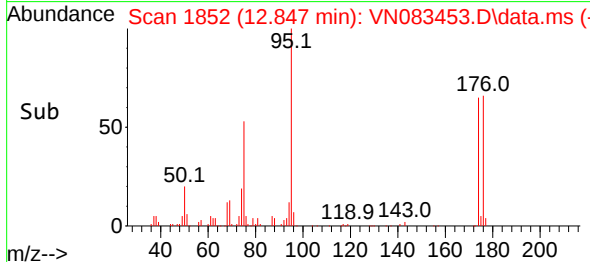
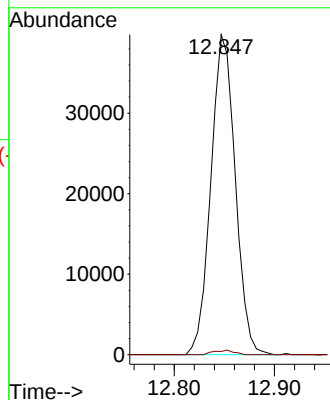
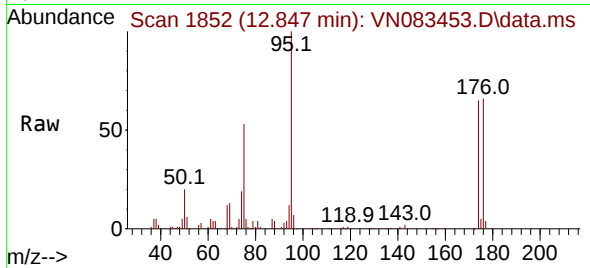




#76
1,2,3-Trichloropropane
Concen: 25.859 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

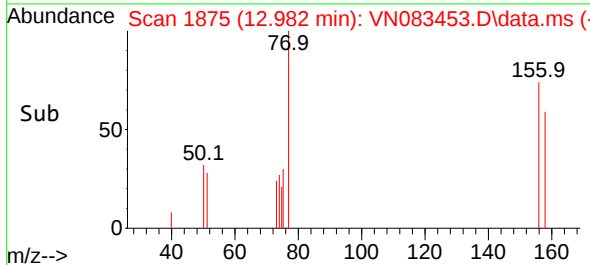
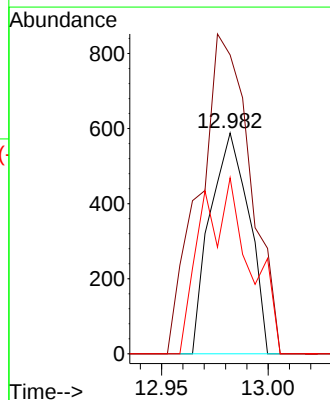
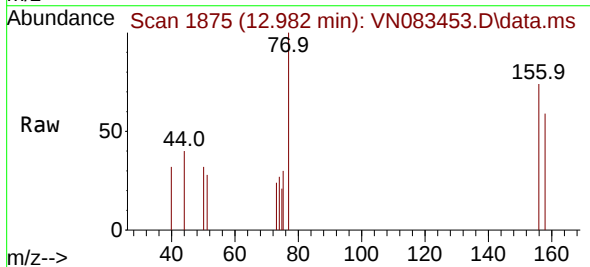
Instrument :
MSVOA_N
ClientSampleId :

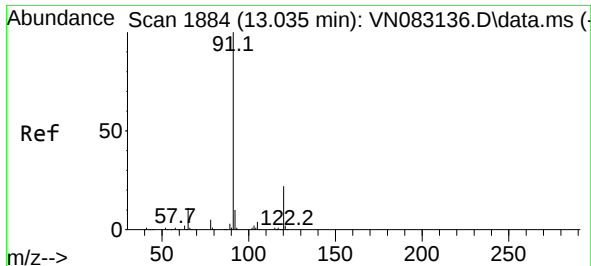
Tgt Ion: 75 Resp: 67139
Ion Ratio Lower Upper
75 100
77 1.2 110.9 332.6#



#77
Bromobenzene
Concen: 0.339 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Tgt Ion: 156 Resp: 746
Ion Ratio Lower Upper
156 100
77 190.5 111.3 333.8
158 100.3 48.3 144.9

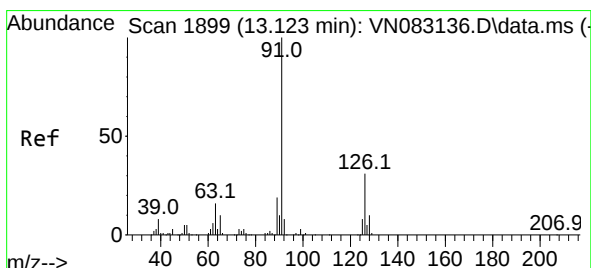
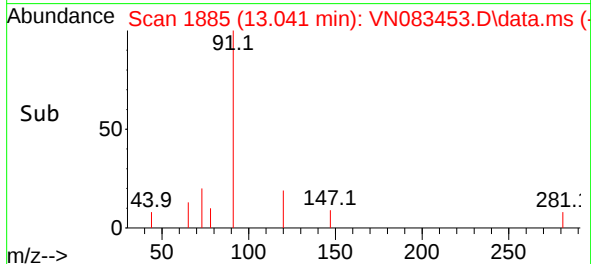
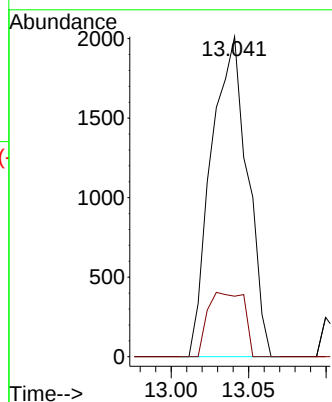
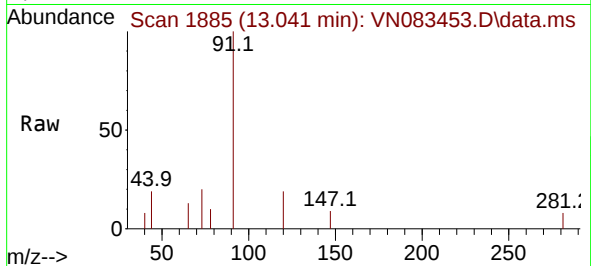




#78
n-propylbenzene
Concen: 0.287 ug/l
RT: 13.041 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

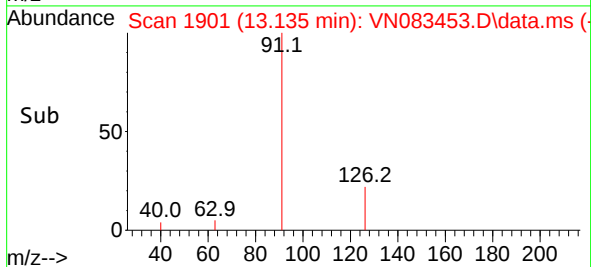
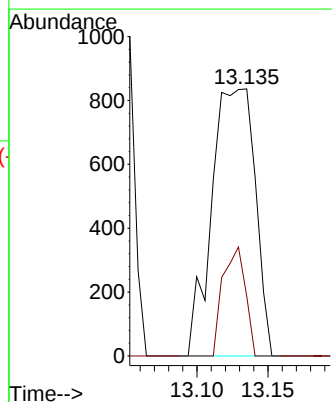
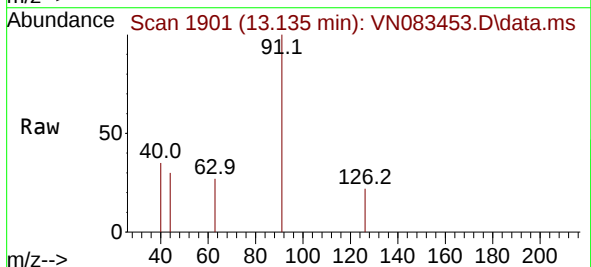
Instrument :
MSVOA_N
ClientSampleId :

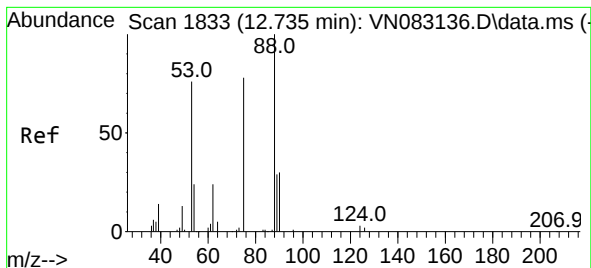
Tgt Ion: 91 Resp: 3275
Ion Ratio Lower Upper
91 100
120 20.1 10.9 32.9



#79
2-Chlorotoluene
Concen: 0.247 ug/l
RT: 13.135 min Scan# 1901
Delta R.T. 0.012 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

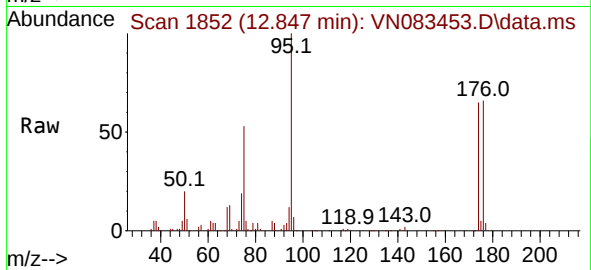
Tgt Ion: 91 Resp: 1781
Ion Ratio Lower Upper
91 100
126 21.1 16.2 48.6



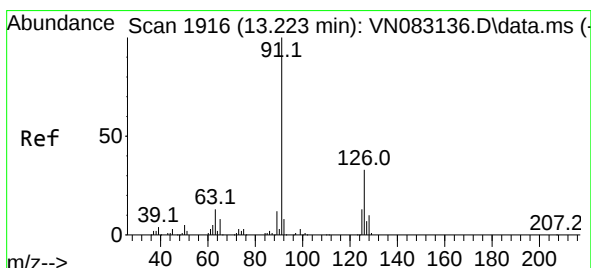
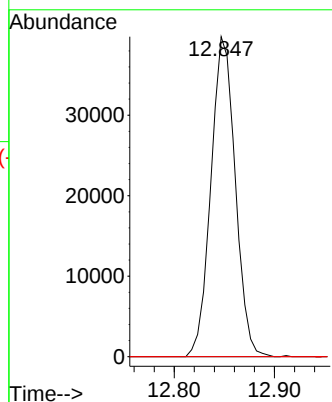
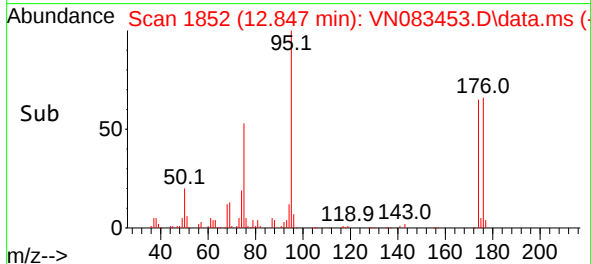


#81
trans-1,4-Dichloro-2-butene
Concen: 56.251 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :

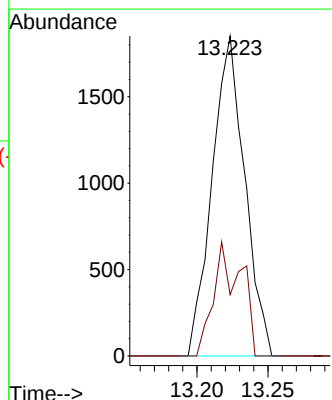
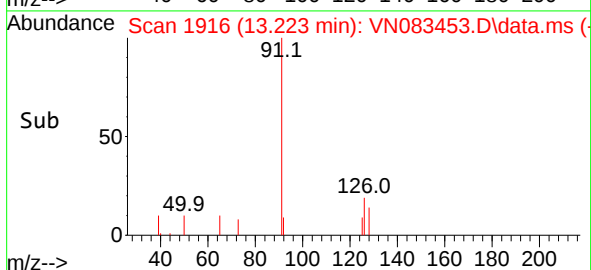
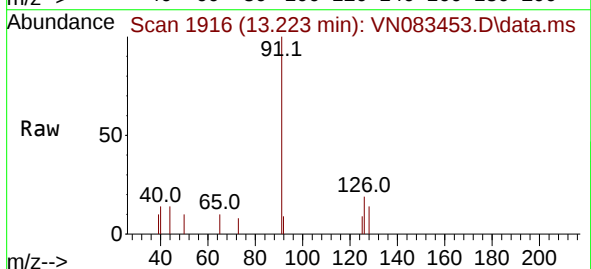


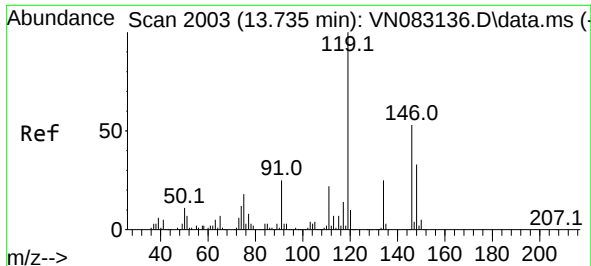
Tgt Ion: 75 Resp: 67139
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#



#82
4-Chlorotoluene
Concen: 0.408 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Tgt Ion: 91 Resp: 2959
Ion Ratio Lower Upper
91 100
126 29.9 16.2 48.6

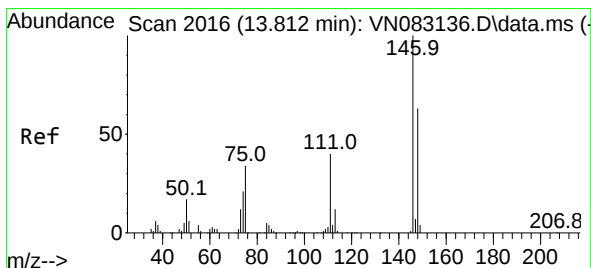
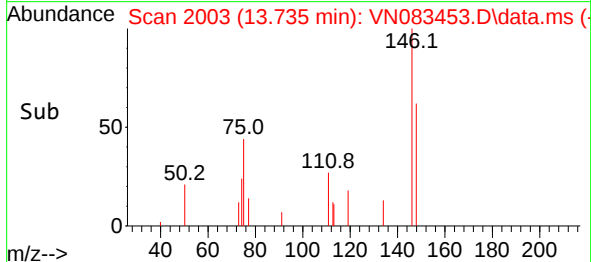
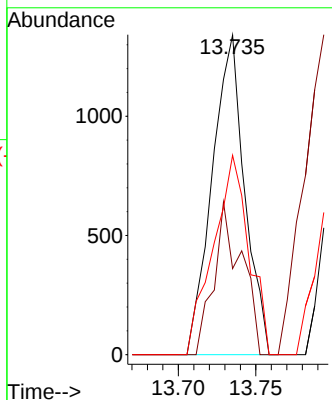
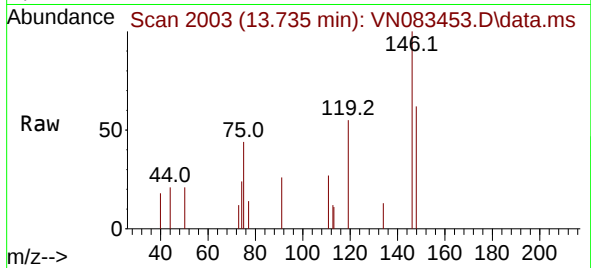




#87
1,3-Dichlorobenzene
Concen: 0.472 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

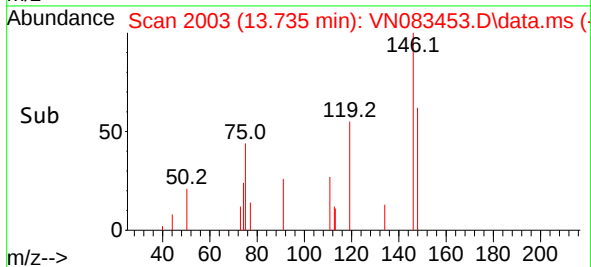
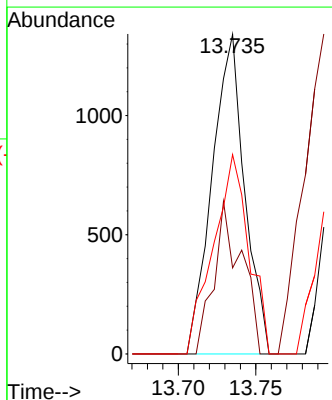
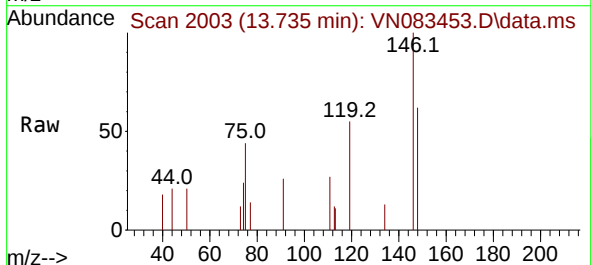
Instrument :
MSVOA_N
ClientSampleId :

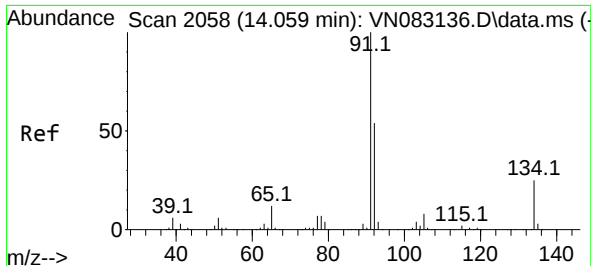
Tgt Ion:146 Resp: 1954
Ion Ratio Lower Upper
146 100
111 40.6 20.6 61.9
148 68.3 31.8 95.3



#88
1,4-Dichlorobenzene
Concen: 0.469 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.077 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Tgt Ion:146 Resp: 1954
Ion Ratio Lower Upper
146 100
111 40.6 20.1 60.3
148 68.3 32.2 96.6





#89

n-Butylbenzene

Concen: 0.369 ug/l

RT: 14.064 min Scan# 2058

Delta R.T. 0.006 min

Lab File: VN083453.D

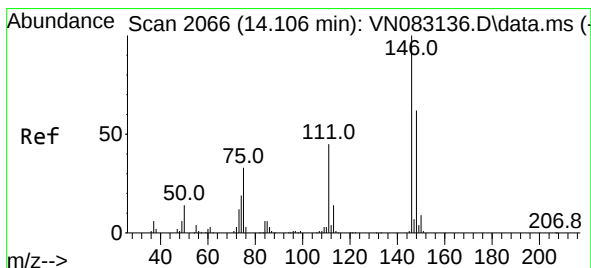
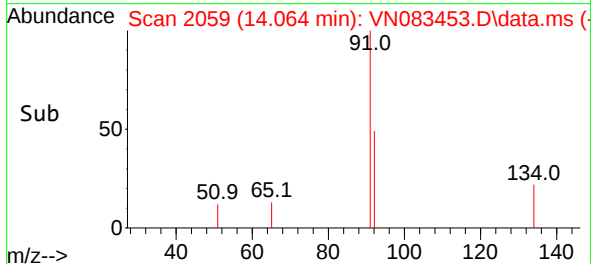
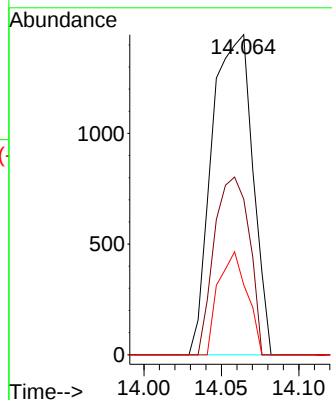
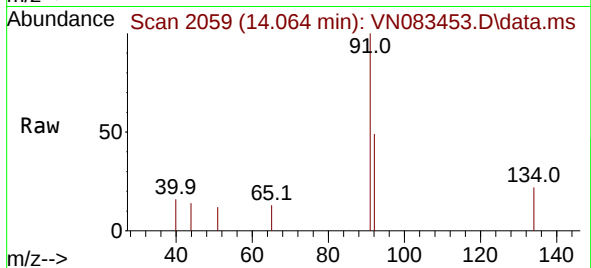
Acq: 23 Aug 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp: 2640
Ion Ratio	Lower Upper
91	100
92	47.7 26.1 78.3
134	22.7 12.1 36.3



#91

1,2-Dichlorobenzene

Concen: 0.328 ug/l

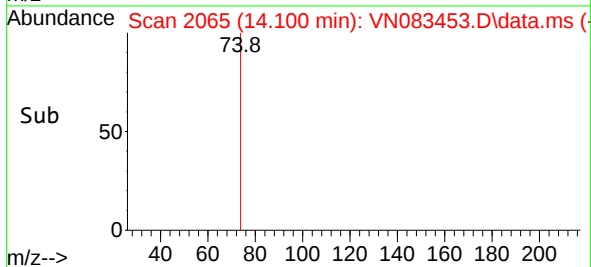
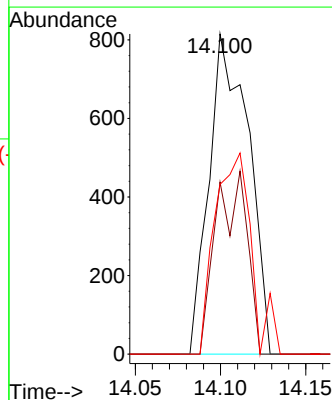
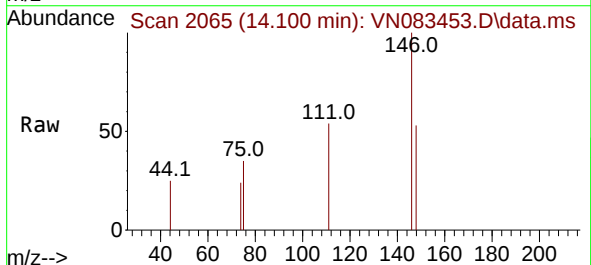
RT: 14.100 min Scan# 2065

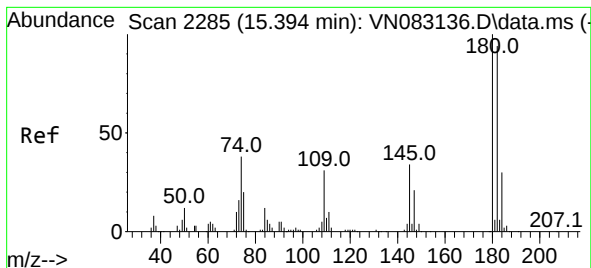
Delta R.T. -0.006 min

Lab File: VN083453.D

Acq: 23 Aug 2024 12:09

Tgt Ion: 146	Resp: 1314
Ion Ratio	Lower Upper
146	100
111	44.9 21.4 64.2
148	58.0 32.1 96.5





#93

1,2,4-Trichlorobenzene

Concen: 0.686 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN083453.D

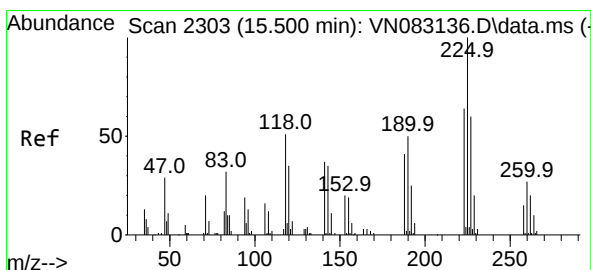
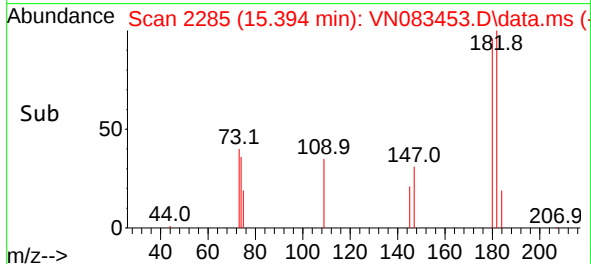
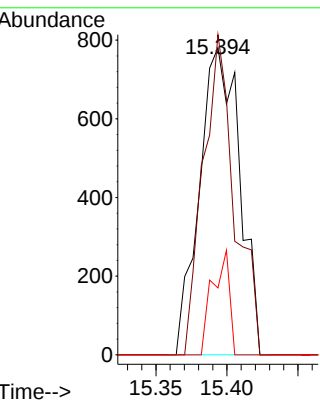
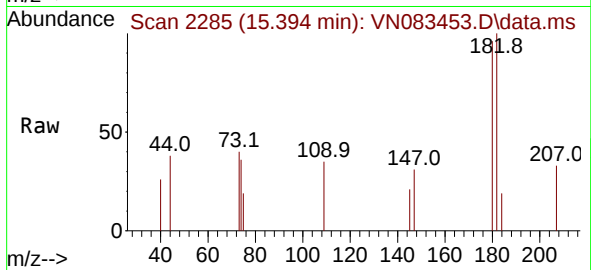
Acq: 23 Aug 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:180	Resp:	1539
Ion Ratio	Lower	Upper
180	100	
182	81.4	47.3 141.8
145	14.4	15.7 47.1#



#94

Hexachlorobutadiene

Concen: 0.247 ug/l

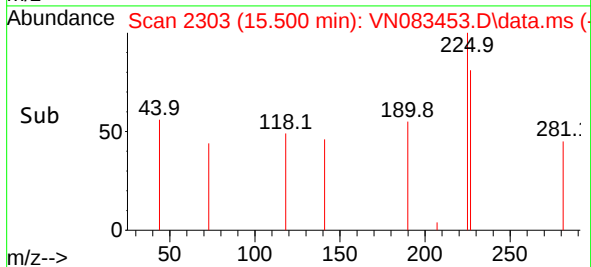
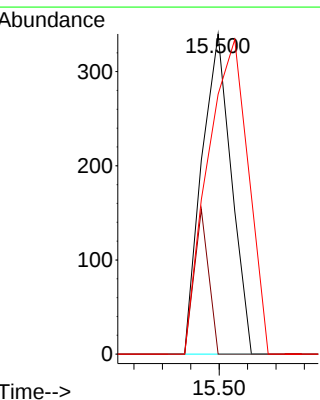
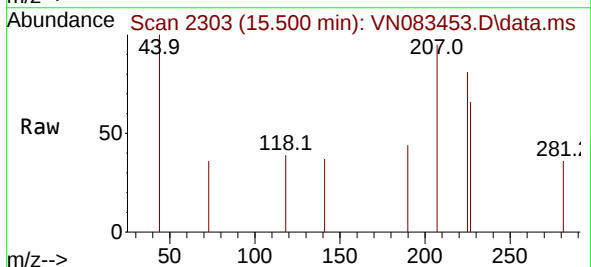
RT: 15.500 min Scan# 2303

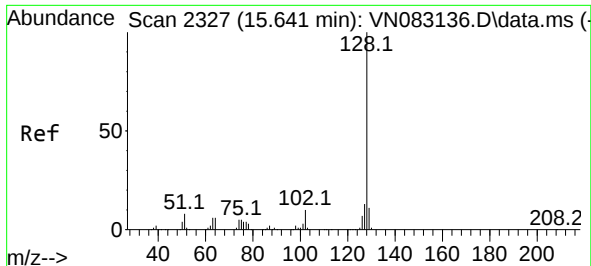
Delta R.T. -0.000 min

Lab File: VN083453.D

Acq: 23 Aug 2024 12:09

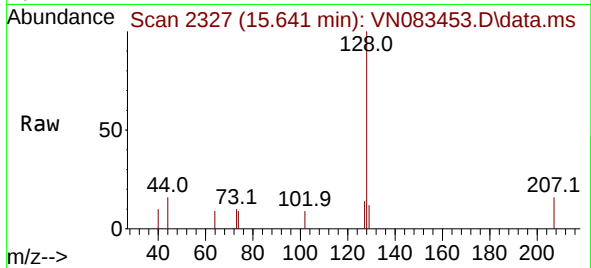
Tgt Ion:225	Resp:	246
Ion Ratio	Lower	Upper
225	100	
223	22.0	31.9 95.7#
227	135.4	32.5 97.5#



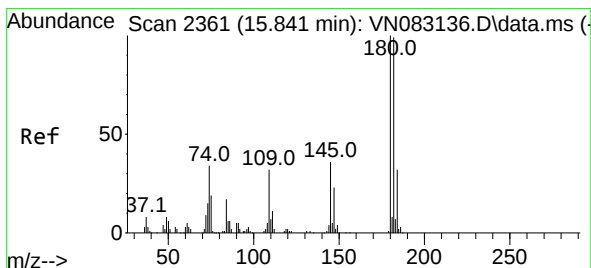
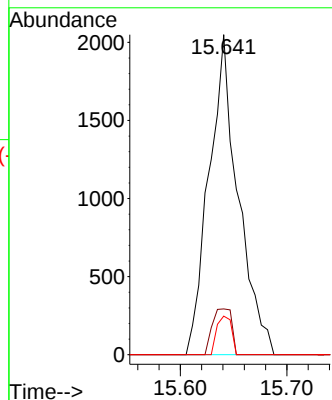
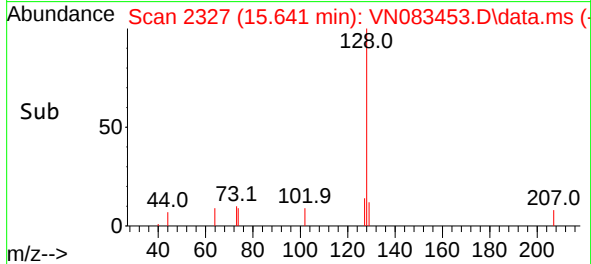


#95
Naphthalene
Concen: 0.491 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 3902
Ion Ratio Lower Upper
128 100
127 9.5 10.6 16.0#
129 6.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.598 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN083453.D
Acq: 23 Aug 2024 12:09

Tgt Ion:180 Resp: 1326
Ion Ratio Lower Upper
180 100
182 108.4 48.9 146.8
145 30.8 16.8 50.4

