

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082924\
 Data File : VN083549.D
 Acq On : 29 Aug 2024 11:21
 Operator : JC\MD
 Sample : VN0829WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 30 01:22:37 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

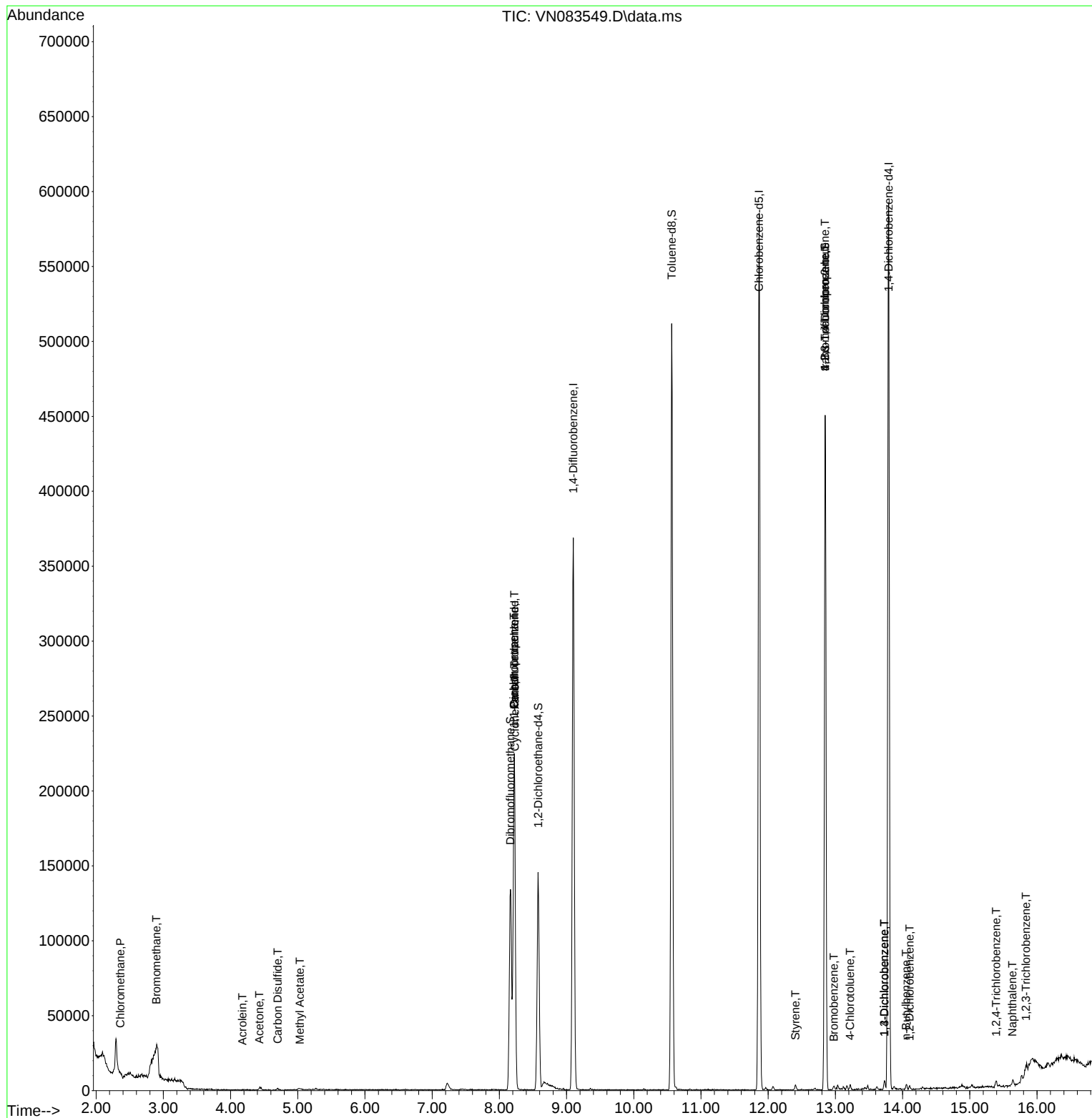
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	153713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	324072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	153590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119613	54.669	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 109.340%		
35) Dibromofluoromethane	8.165	113	95788	49.472	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.940%		
50) Toluene-d8	10.565	98	343423	47.549	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.100%		
62) 4-Bromofluorobenzene	12.847	95	159021	56.476	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 112.960%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	589	0.330	ug/l #	43
5) Bromomethane	2.895	94	306	0.271	ug/l #	1
13) Acrolein	4.177	56	68	0.229	ug/l #	14
16) Acetone	4.430	43	420	0.491	ug/l #	48
17) Carbon Disulfide	4.700	76	1746	0.350	ug/l #	68
18) Methyl Acetate	5.030	43	1985	0.778	ug/l #	69
31) Cyclohexane	8.230	56	3762	1.160	ug/l #	33
36) 1,1-Dichloropropene	8.218	75	14599	4.984	ug/l #	51
38) Carbon Tetrachloride	8.224	117	17840	5.408	ug/l #	18
43) Isopropyl Acetate	8.677	43	6810	Below Cal	#	60
70) Styrene	12.406	104	1651	0.203	ug/l	86
76) 1,2,3-Trichloropropane	12.847	75	88759	26.331	ug/l #	1
77) Bromobenzene	12.976	156	655	0.230	ug/l	78
81) trans-1,4-Dichloro-2-b...	12.847	75	88759	57.276	ug/l #	6
82) 4-Chlorotoluene	13.217	91	2630	0.280	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	1981	0.369	ug/l	89
88) 1,4-Dichlorobenzene	13.729	146	1981	0.366	ug/l	89
89) n-Butylbenzene	14.053	91	2208	0.237	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	1105	0.213	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	1449	0.498	ug/l	90
95) Naphthalene	15.635	128	4078	0.395	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.835	180	1183	0.411	ug/l	97

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

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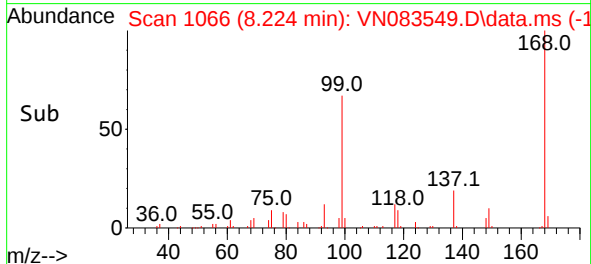
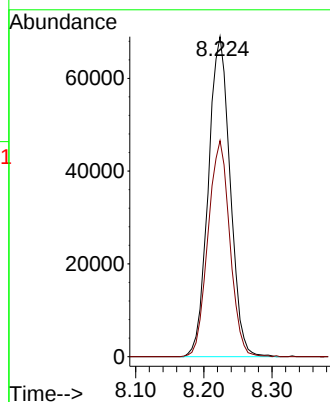
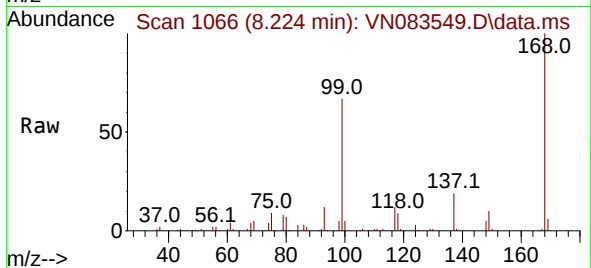




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

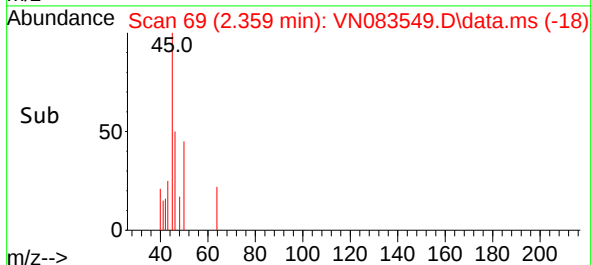
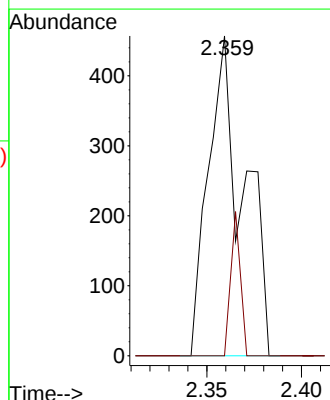
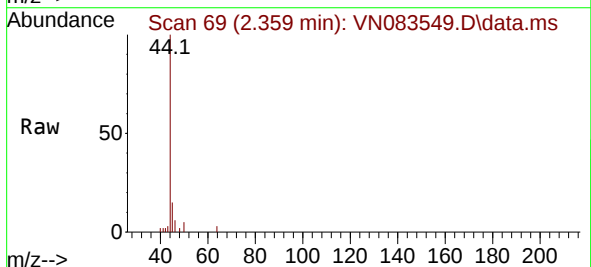
Instrument :
MSVOA_N
ClientSampleId :

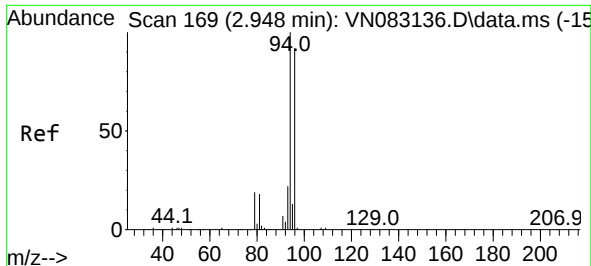
Tgt Ion:168 Resp: 153713
Ion Ratio Lower Upper
168 100
99 67.5 48.2 72.4



#3
Chloromethane
Concen: 0.330 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

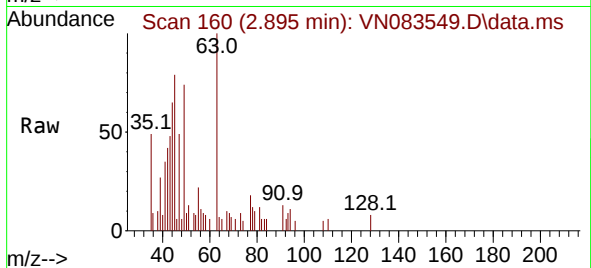
Tgt Ion: 50 Resp: 589
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



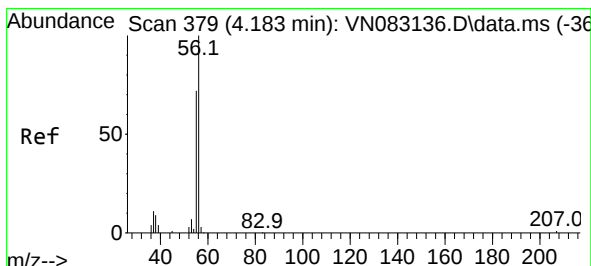
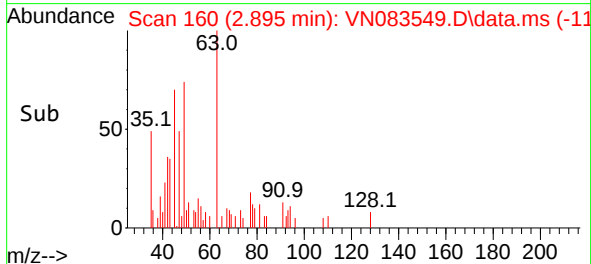
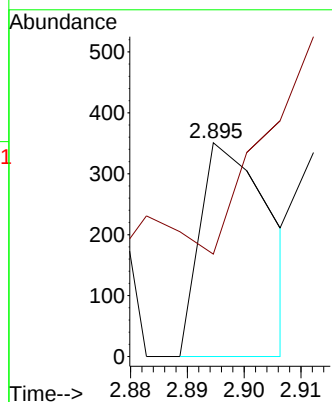


#5
Bromomethane
Concen: 0.271 ug/l
RT: 2.895 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

Instrument :
MSVOA_N
ClientSampleId :

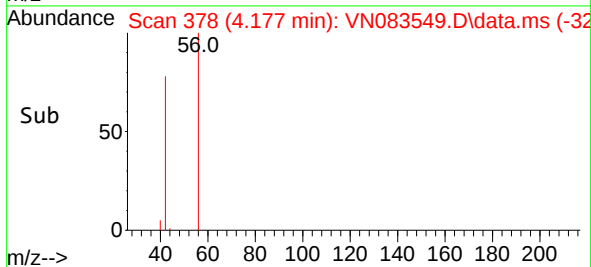
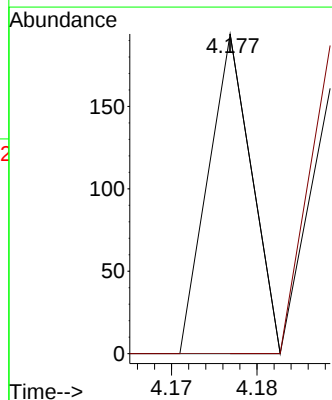
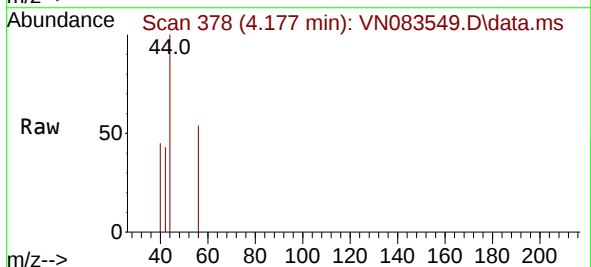


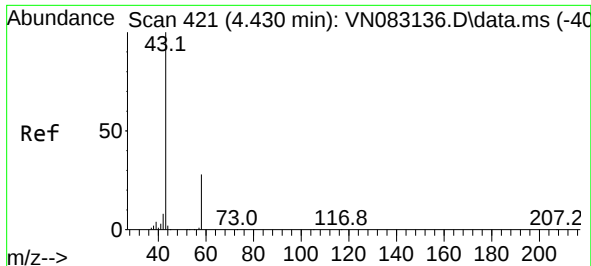
Tgt Ion: 94 Resp: 306
Ion Ratio Lower Upper
94 100
96 0.0 78.0 117.0#



#13
Acrolein
Concen: 0.229 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.006 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

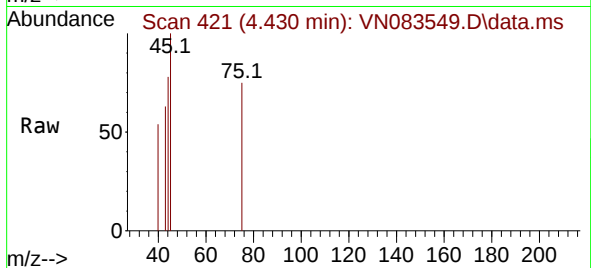
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



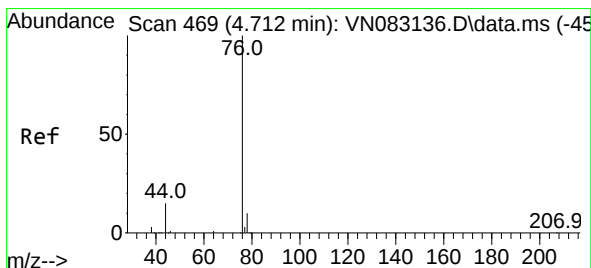
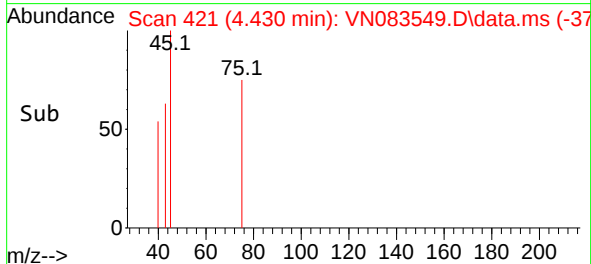
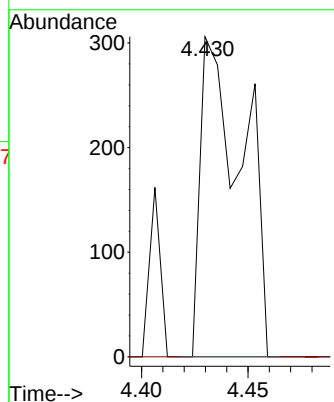


#16
Acetone
Concen: 0.491 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

Instrument :
MSVOA_N
ClientSampleId :

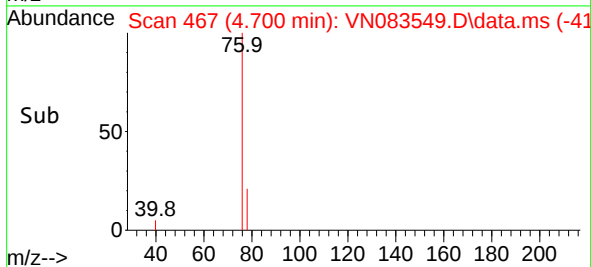
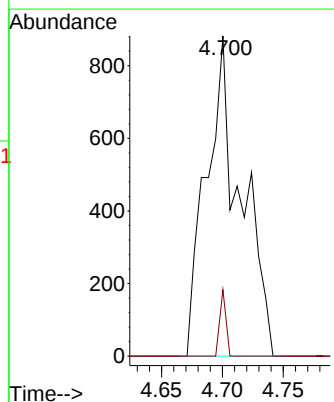
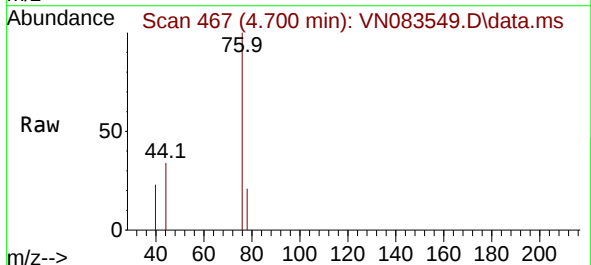


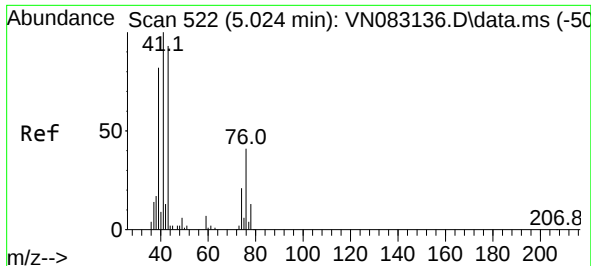
Tgt Ion: 43 Resp: 420
Ion Ratio Lower Upper
43 100
58 0.0 21.8 32.6#



#17
Carbon Disulfide
Concen: 0.350 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.012 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

Tgt Ion: 76 Resp: 1746
Ion Ratio Lower Upper
76 100
78 20.7 7.2 10.8#





#18

Methyl Acetate

Concen: 0.778 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.006 min

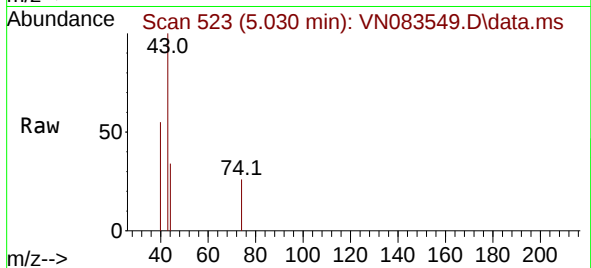
Lab File: VN083549.D

Acq: 29 Aug 2024 11:21

Instrument :

MSVOA_N

ClientSampleId :

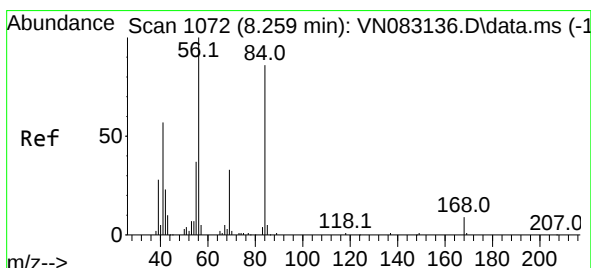
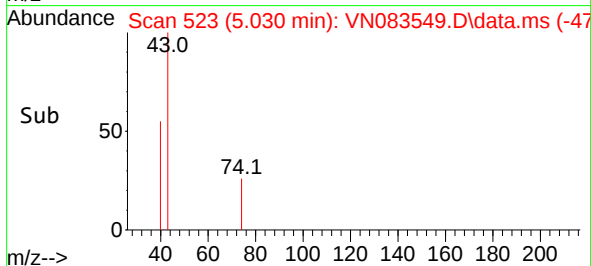
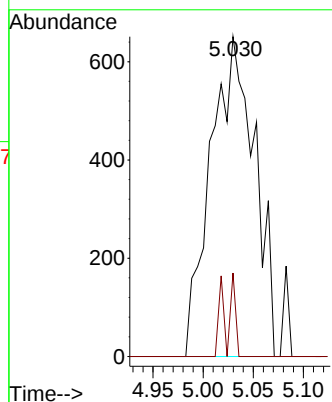


Tgt Ion: 43 Resp: 1985

Ion Ratio Lower Upper

43 100

74 5.9 16.3 24.5#



#31

Cyclohexane

Concen: 1.160 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN083549.D

Acq: 29 Aug 2024 11:21

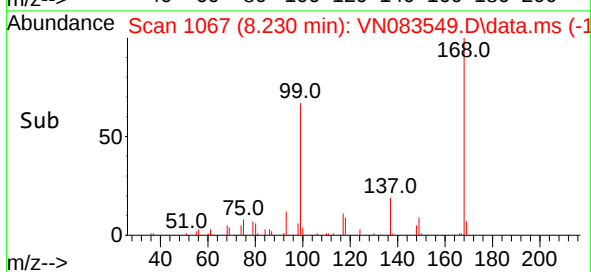
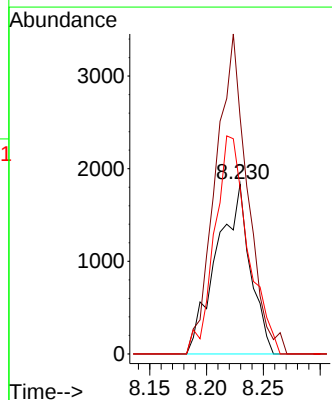
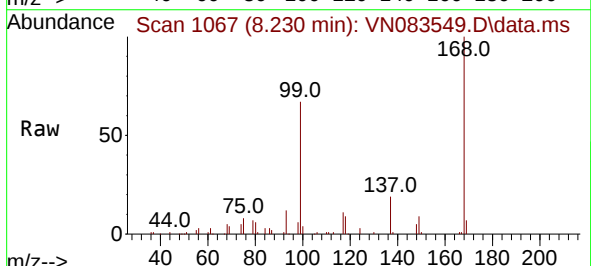
Tgt Ion: 56 Resp: 3762

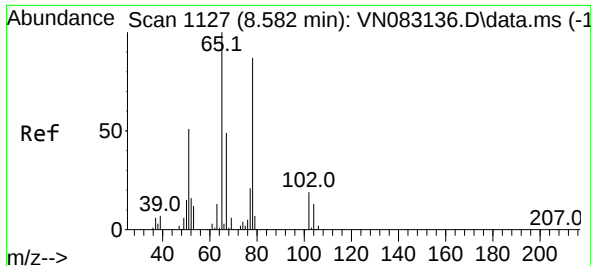
Ion Ratio Lower Upper

56 100

69 139.9 24.5 36.7#

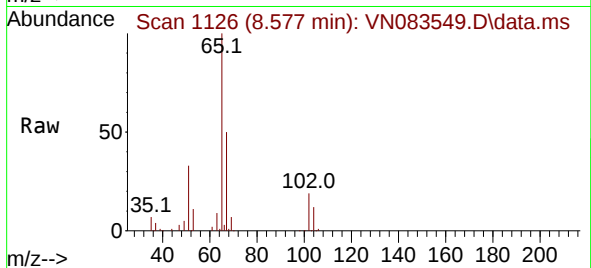
84 98.1 66.0 99.0



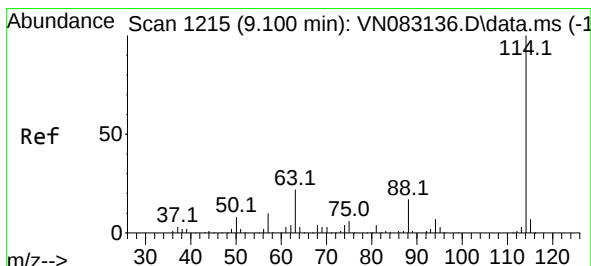
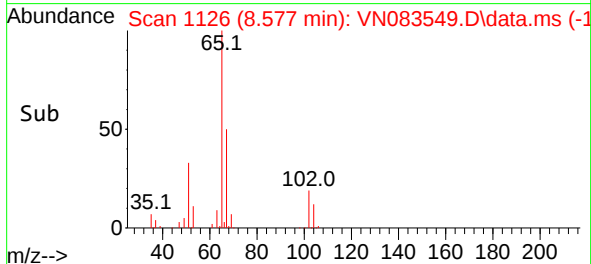
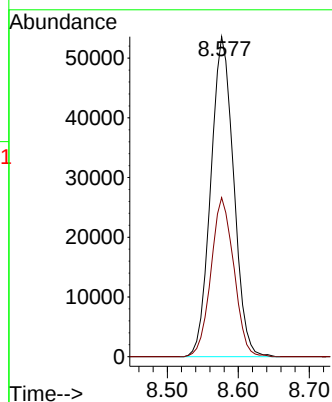


#33
1,2-Dichloroethane-d4
Concen: 54.669 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

Instrument :
MSVOA_N
ClientSampleId :

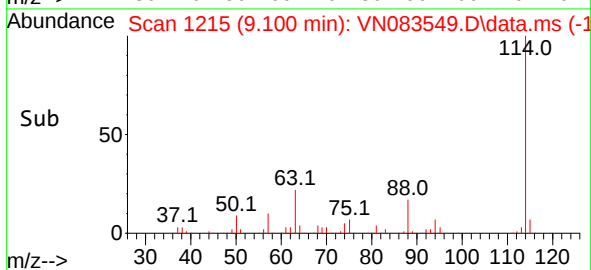
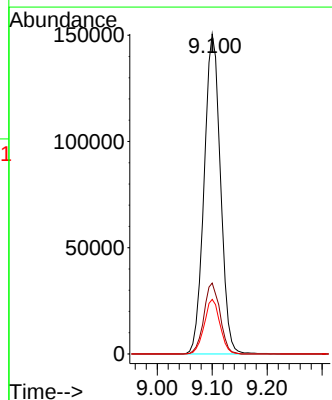
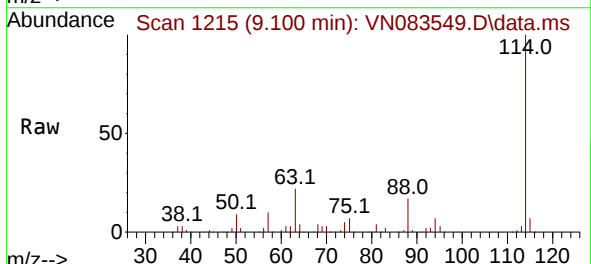


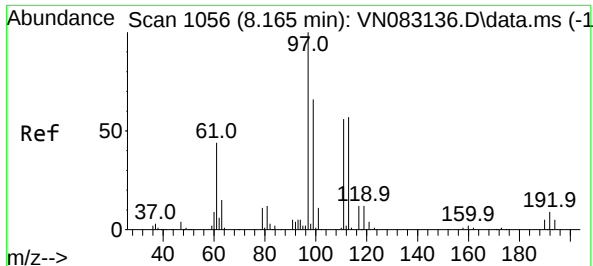
Tgt Ion: 65 Resp: 119613
Ion Ratio Lower Upper
65 100
67 49.6 0.0 104.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

Tgt Ion: 114 Resp: 310200
Ion Ratio Lower Upper
114 100
63 22.2 0.0 44.6
88 17.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.472 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083549.D

Acq: 29 Aug 2024 11:21

Instrument :

MSVOA_N

ClientSampleId :

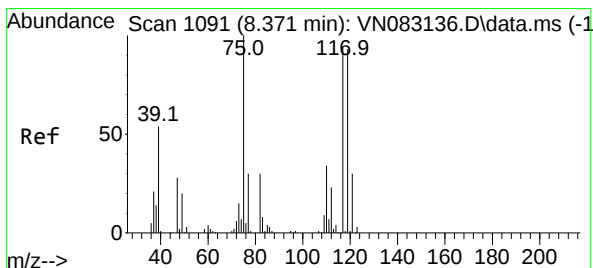
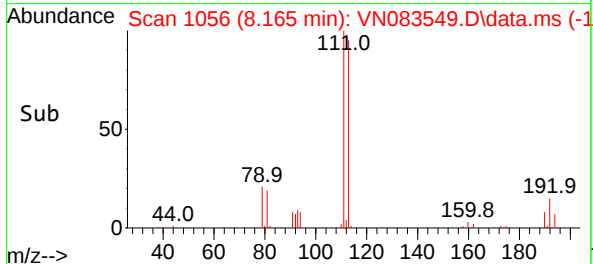
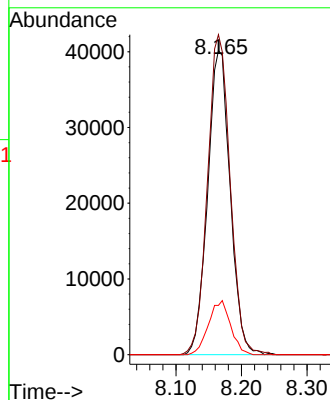
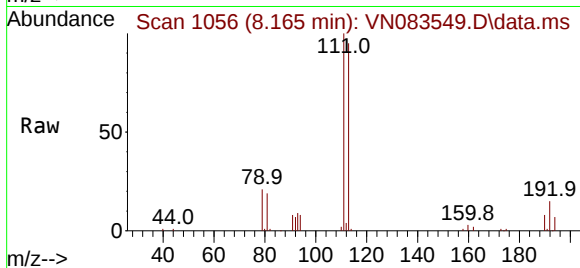
Tgt Ion:113 Resp: 95788

Ion Ratio Lower Upper

113 100

111 105.7 82.4 123.6

192 17.4 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.984 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083549.D

Acq: 29 Aug 2024 11:21

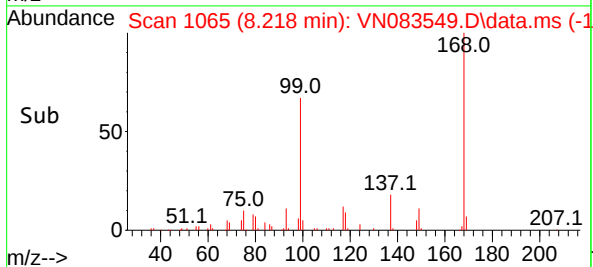
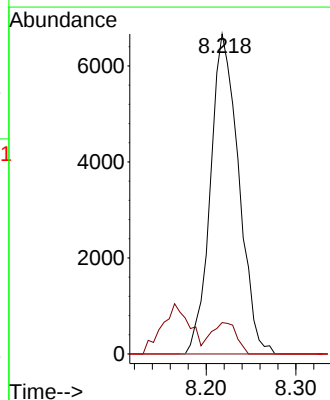
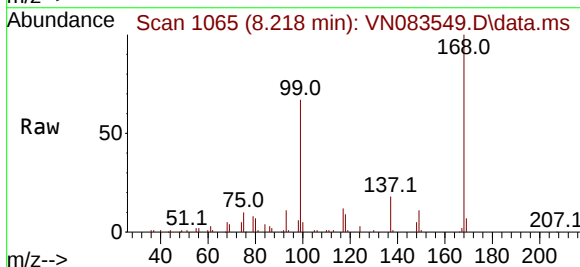
Tgt Ion: 75 Resp: 14599

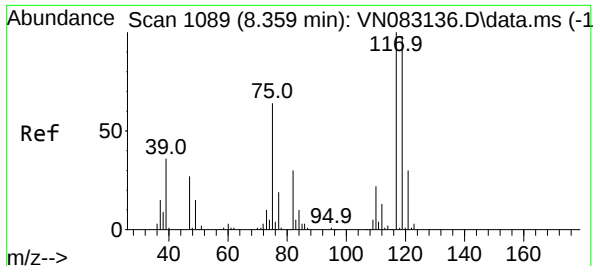
Ion Ratio Lower Upper

75 100

110 8.9 16.3 48.9#

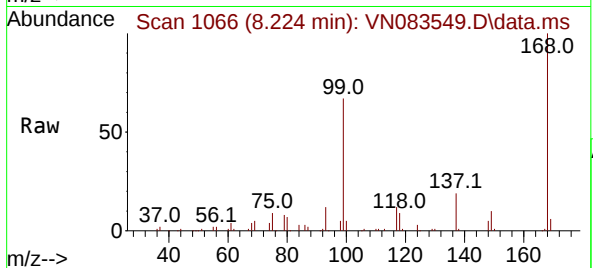
77 0.0 24.6 37.0#



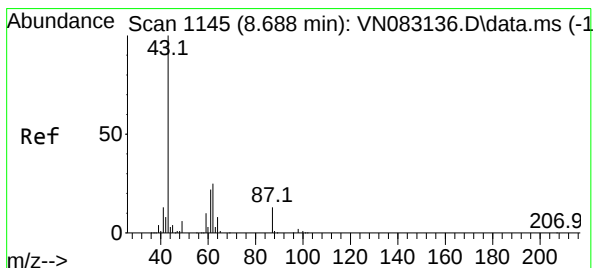
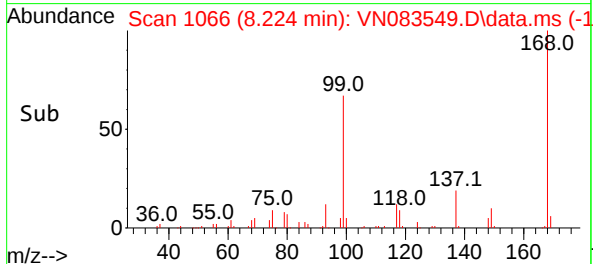
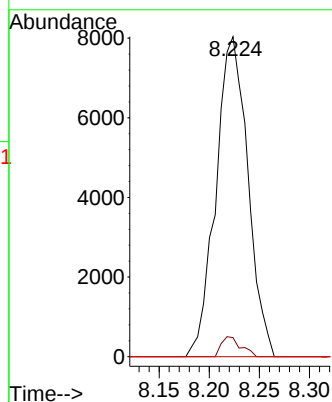


#38
Carbon Tetrachloride
Concen: 5.408 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

Instrument :
MSVOA_N
ClientSampleId :

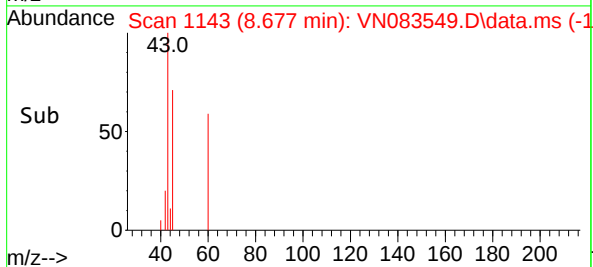
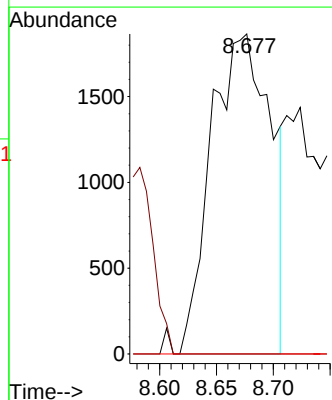
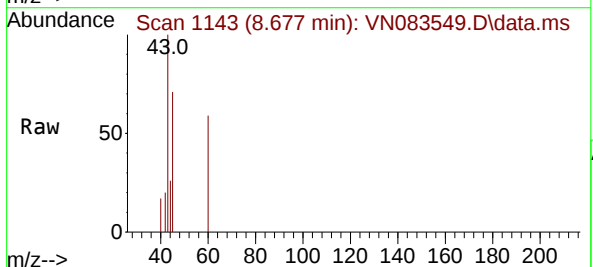


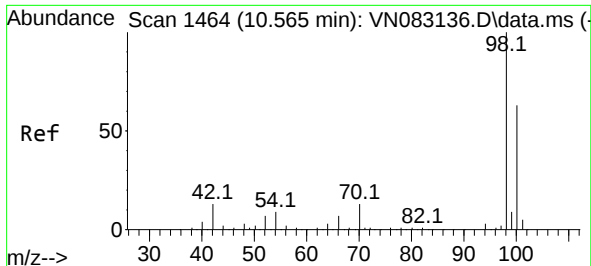
Tgt Ion:117 Resp: 17840
Ion Ratio Lower Upper
117 100
119 6.0 74.9 112.3#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.677 min Scan# 1143
Delta R.T. -0.011 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

Tgt Ion: 43 Resp: 6810
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#

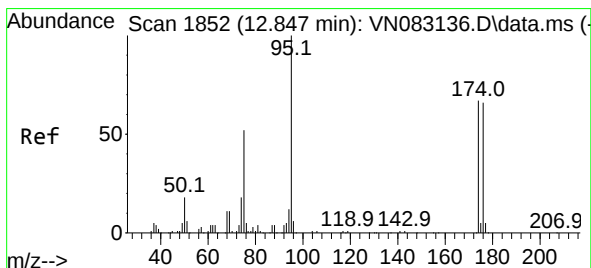
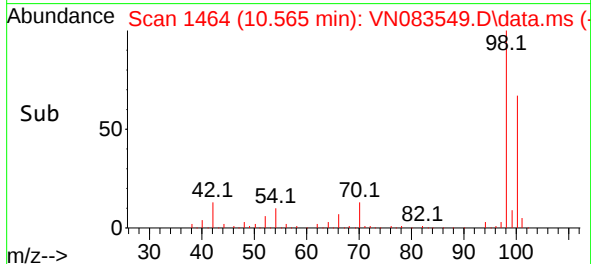
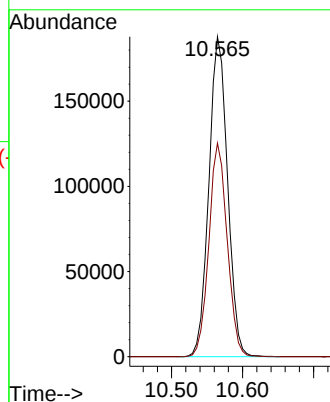
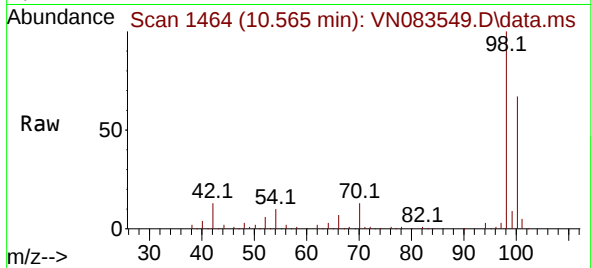




#50
Toluene-d8
Concen: 47.549 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

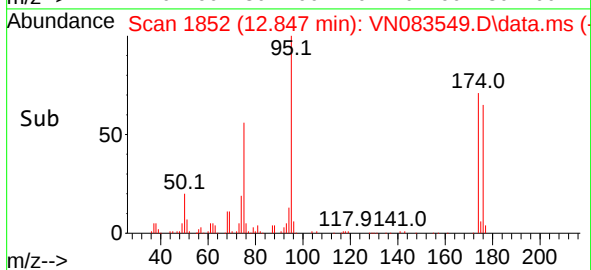
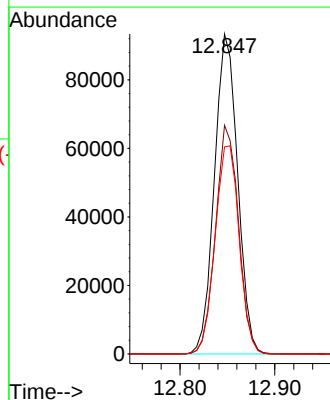
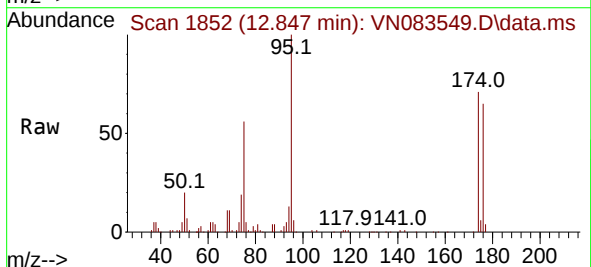
Instrument :
MSVOA_N
ClientSampleId :

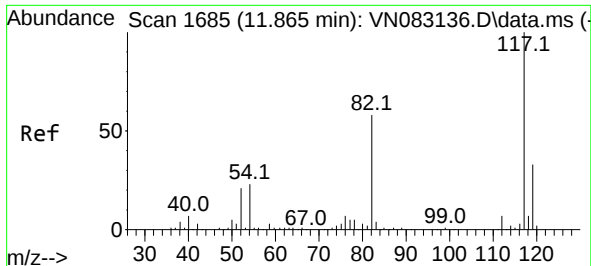
Tgt Ion: 98 Resp: 343423
Ion Ratio Lower Upper
98 100
100 65.5 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 56.476 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

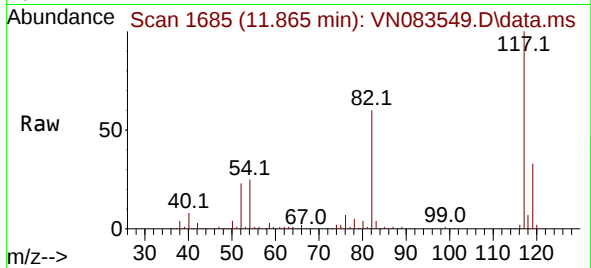
Tgt Ion: 95 Resp: 159021
Ion Ratio Lower Upper
95 100
174 70.7 0.0 159.2
176 67.6 0.0 147.6



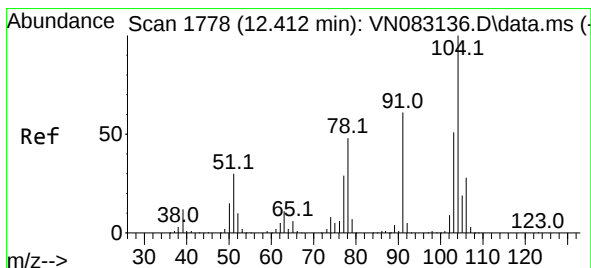
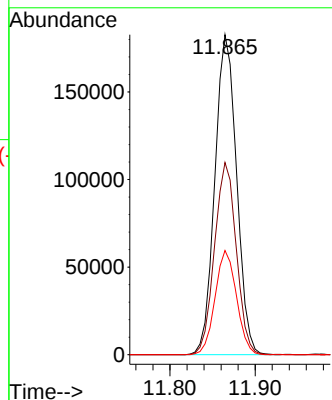
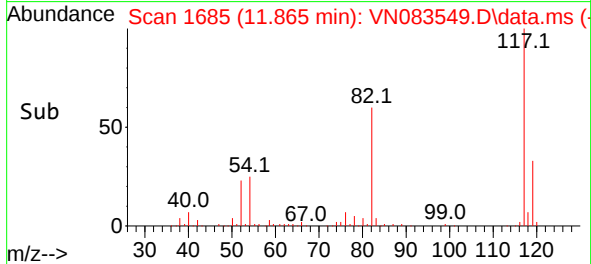


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

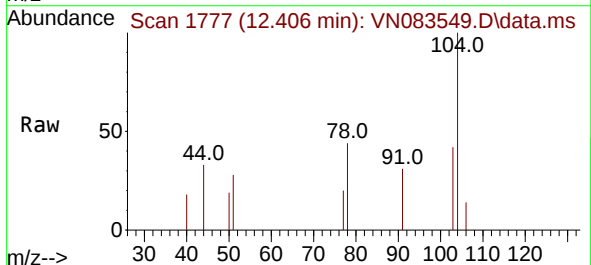
Instrument :
MSVOA_N
ClientSampleId :



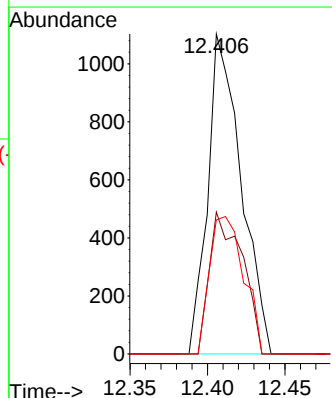
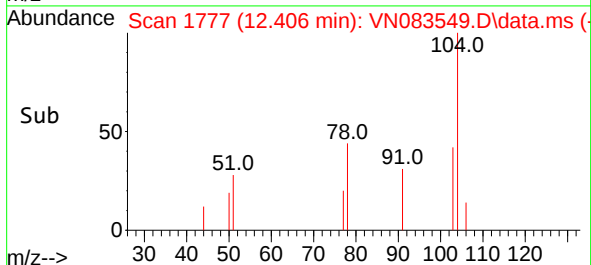
Tgt Ion:117 Resp: 324072
Ion Ratio Lower Upper
117 100
82 60.1 47.5 71.3
119 32.5 25.6 38.4

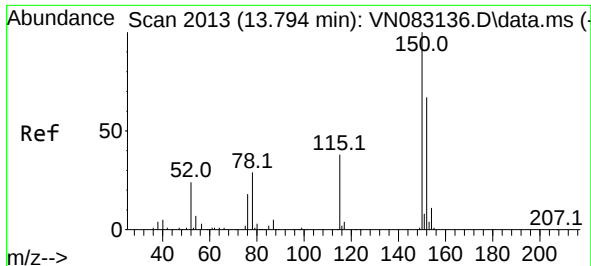


#70
Styrene
Concen: 0.203 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21



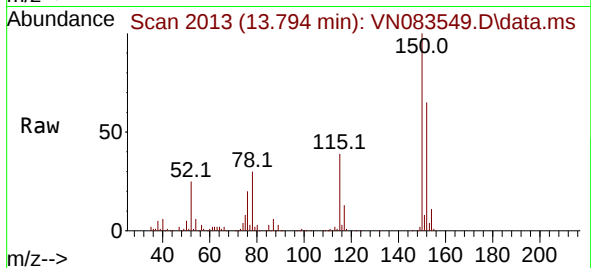
Tgt Ion:104 Resp: 1651
Ion Ratio Lower Upper
104 100
78 43.7 41.6 62.4
103 44.0 44.0 66.0



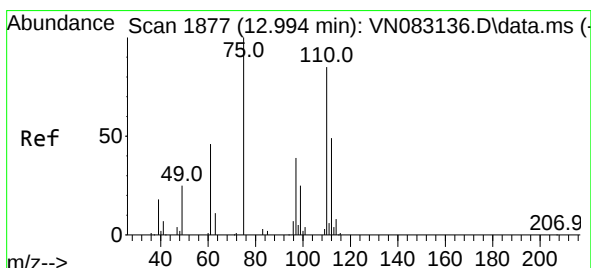
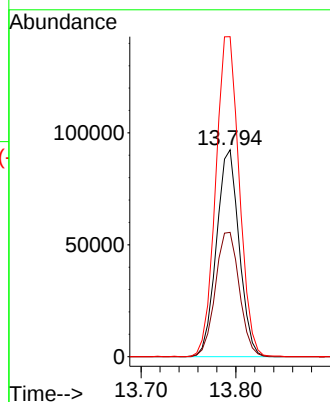
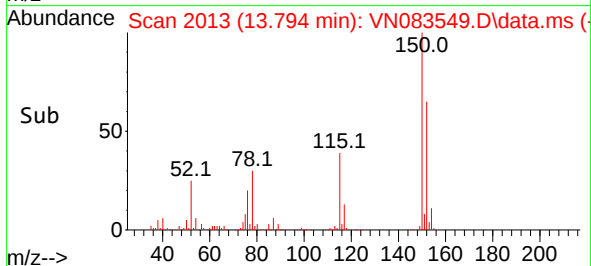


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN083549.D
 Acq: 29 Aug 2024 11:21

Instrument :
 MSVOA_N
 ClientSampleId :

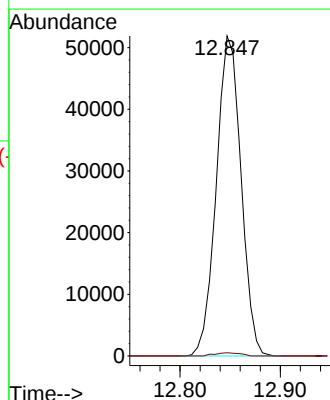
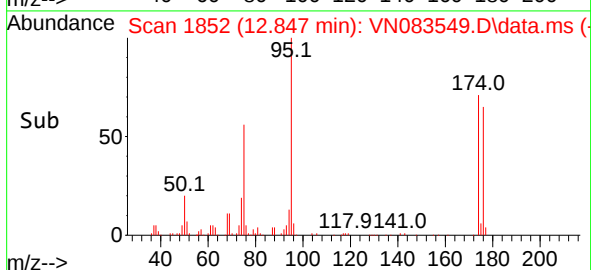
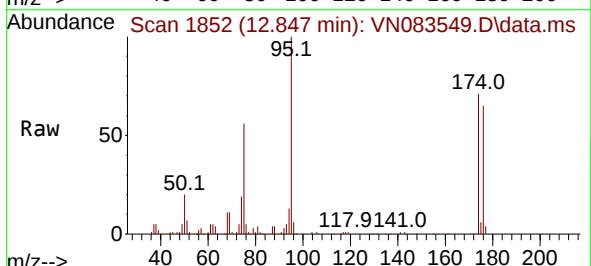


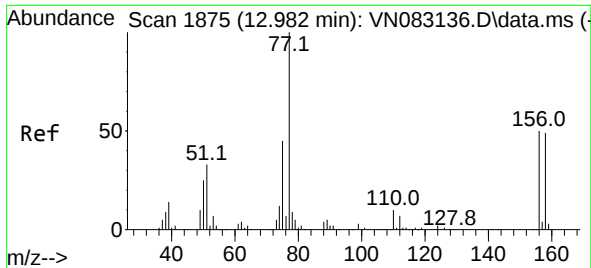
Tgt Ion:152 Resp: 153590
 Ion Ratio Lower Upper
 152 100
 115 63.7 30.6 91.6
 150 160.7 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 26.331 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN083549.D
 Acq: 29 Aug 2024 11:21

Tgt Ion: 75 Resp: 88759
 Ion Ratio Lower Upper
 75 100
 77 1.0 110.9 332.6#

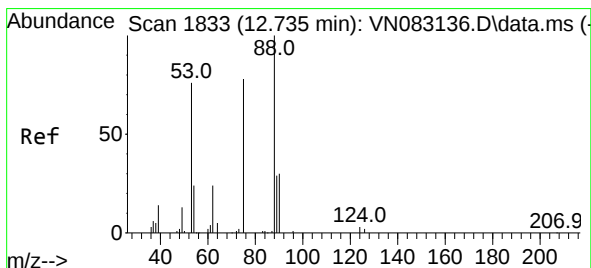
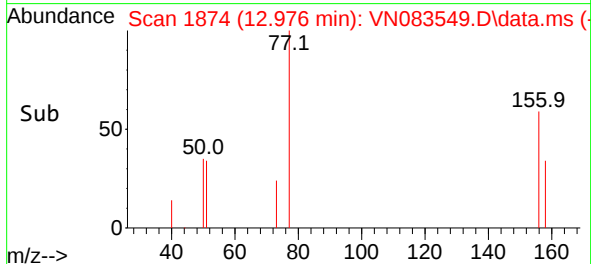
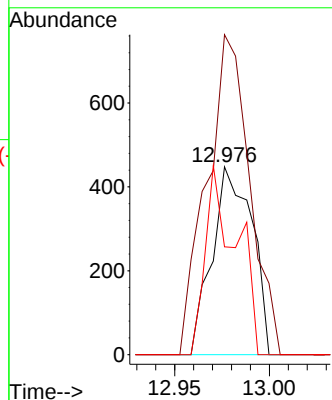
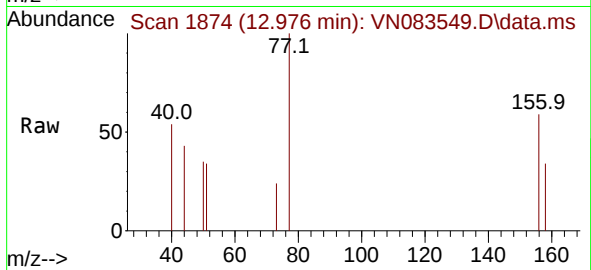




#77
Bromobenzene
Concen: 0.230 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

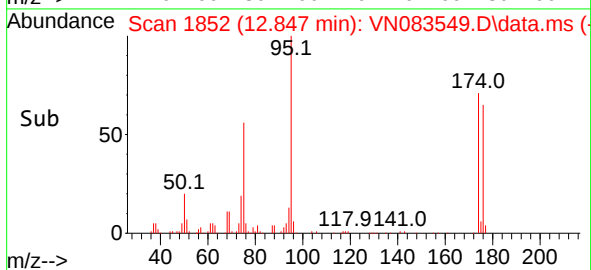
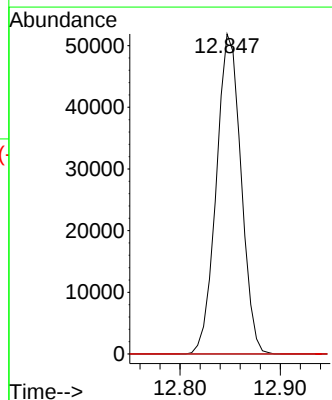
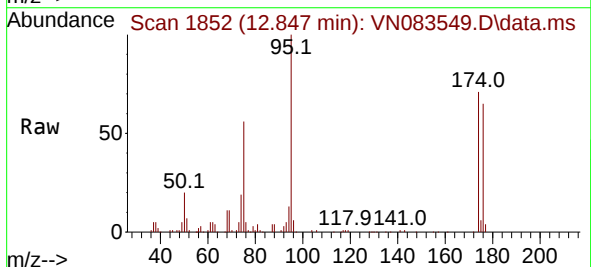
Instrument :
MSVOA_N
ClientSampleId :

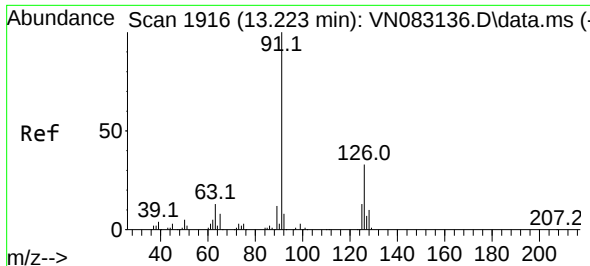
Tgt Ion:156 Resp: 655
Ion Ratio Lower Upper
156 100
77 183.7 111.3 333.8
158 78.0 48.3 144.9



#81
trans-1,4-Dichloro-2-butene
Concen: 57.276 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

Tgt Ion: 75 Resp: 88759
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

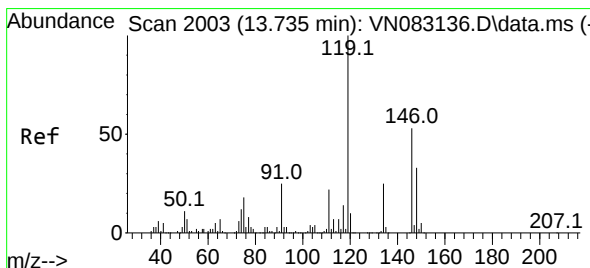
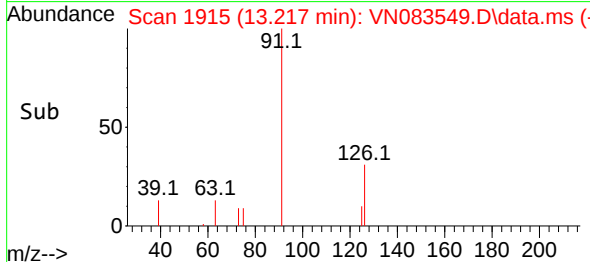
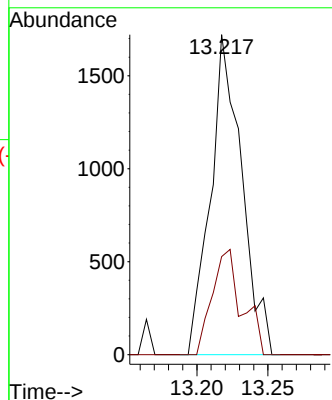
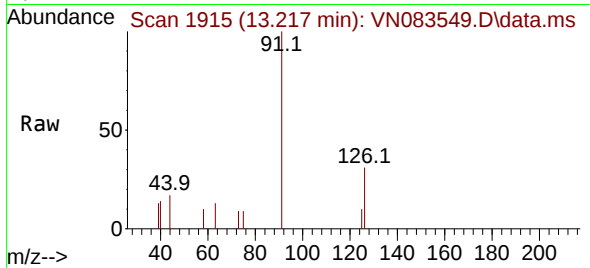




#82
4-Chlorotoluene
Concen: 0.280 ug/l
RT: 13.217 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

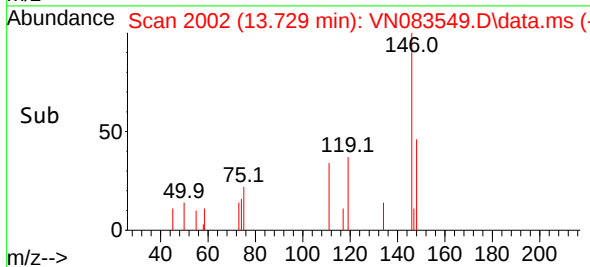
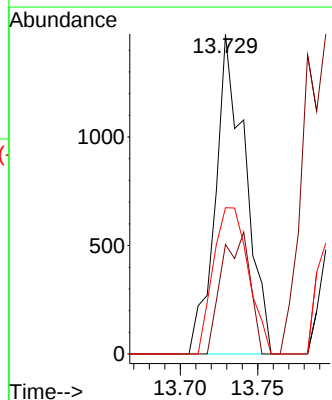
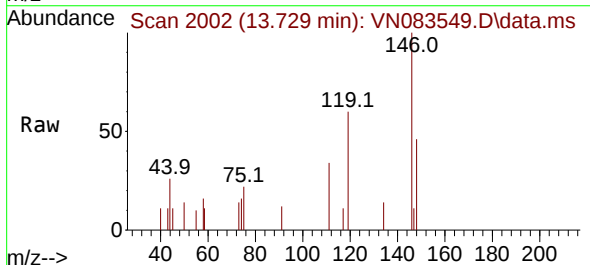
Instrument :
MSVOA_N
ClientSampleId :

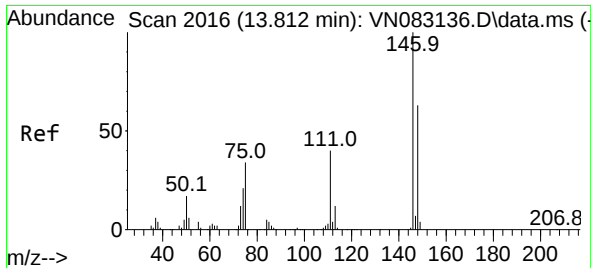
Tgt Ion: 91 Resp: 2630
Ion Ratio Lower Upper
91 100
126 31.0 16.2 48.6



#87
1,3-Dichlorobenzene
Concen: 0.369 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.006 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

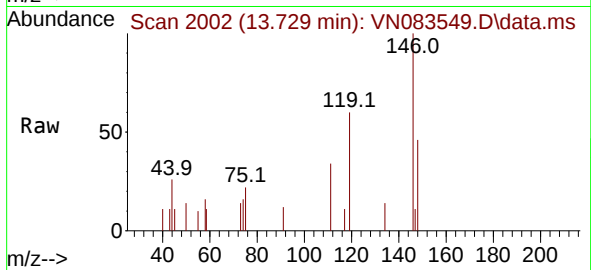
Tgt Ion: 146 Resp: 1981
Ion Ratio Lower Upper
146 100
111 35.9 20.6 61.9
148 53.7 31.8 95.3



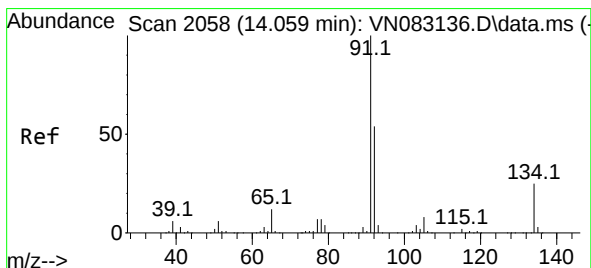
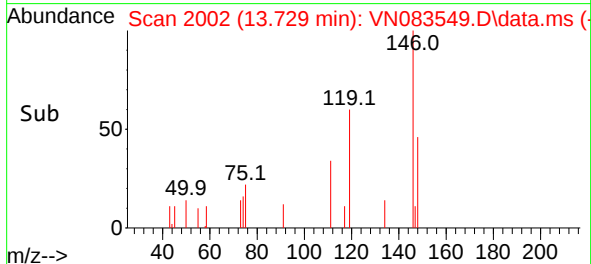
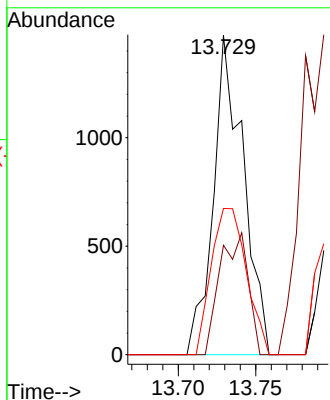


#88
1,4-Dichlorobenzene
Concen: 0.366 ug/l
RT: 13.729 min Scan# 2016
Delta R.T. -0.082 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

Instrument :
MSVOA_N
ClientSampleId :

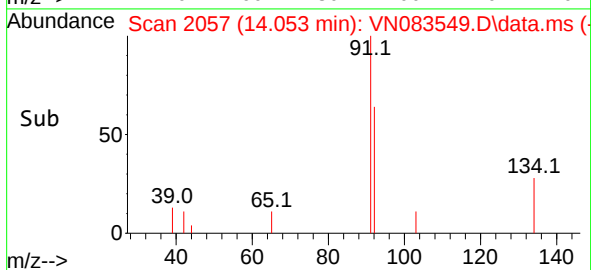
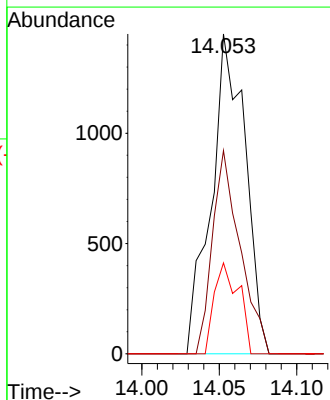
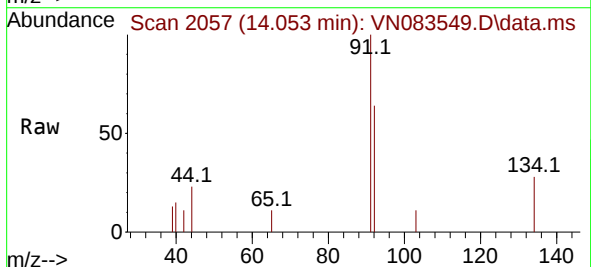


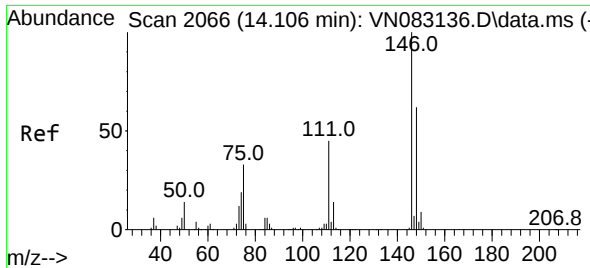
Tgt Ion:146 Resp: 1981
Ion Ratio Lower Upper
146 100
111 35.9 20.1 60.3
148 53.7 32.2 96.6



#89
n-Butylbenzene
Concen: 0.237 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

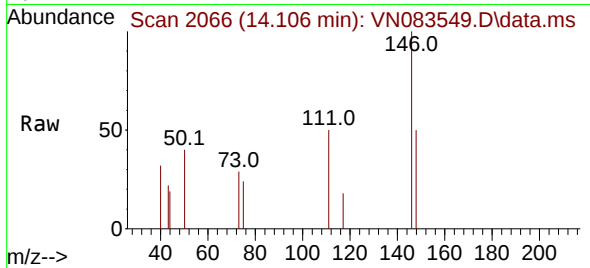
Tgt Ion: 91 Resp: 2208
Ion Ratio Lower Upper
91 100
92 51.7 26.1 78.3
134 20.4 12.1 36.3



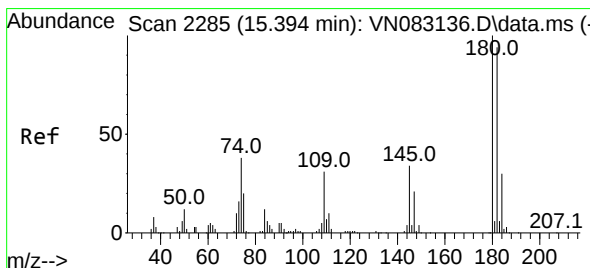
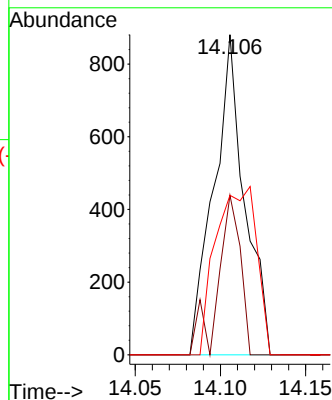
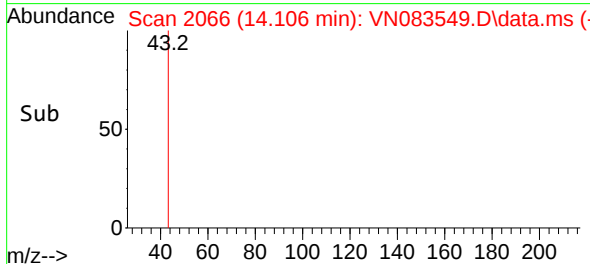


#91
1,2-Dichlorobenzene
Concen: 0.213 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21

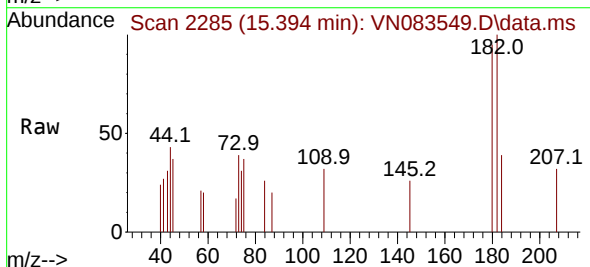
Instrument :
MSVOA_N
ClientSampleId :



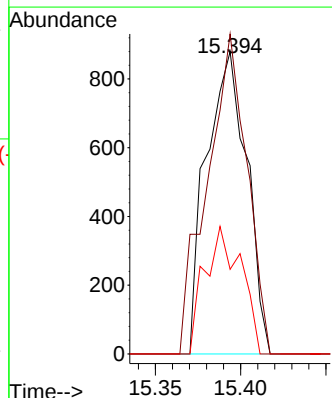
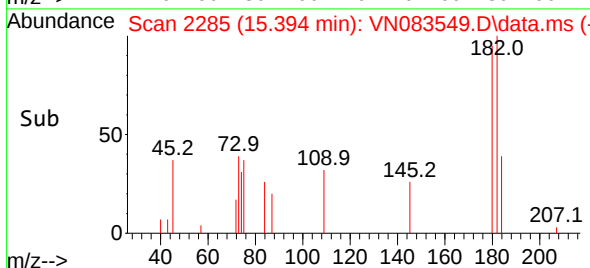
Tgt Ion:146 Resp: 1105
Ion Ratio Lower Upper
146 100
111 36.0 21.4 64.2
148 69.6 32.1 96.5

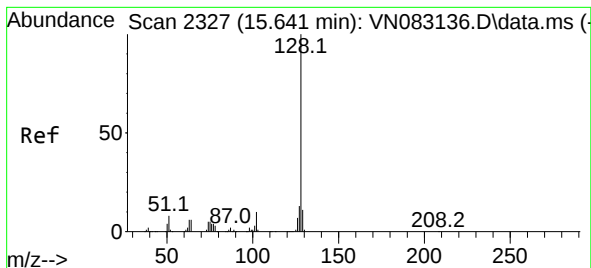


#93
1,2,4-Trichlorobenzene
Concen: 0.498 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VN083549.D
Acq: 29 Aug 2024 11:21



Tgt Ion:180 Resp: 1449
Ion Ratio Lower Upper
180 100
182 104.1 47.3 141.8
145 38.1 15.7 47.1





#95

Naphthalene

Concen: 0.395 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN083549.D

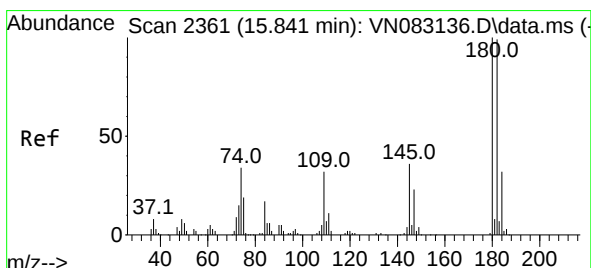
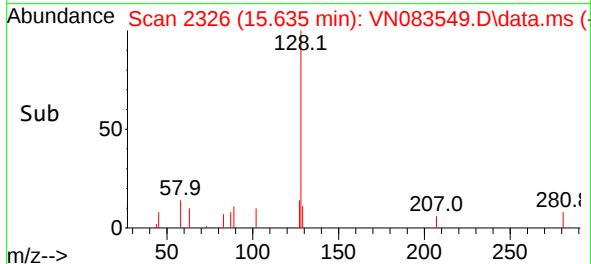
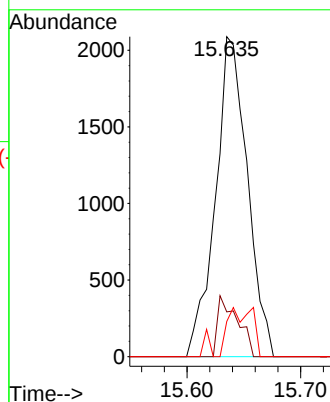
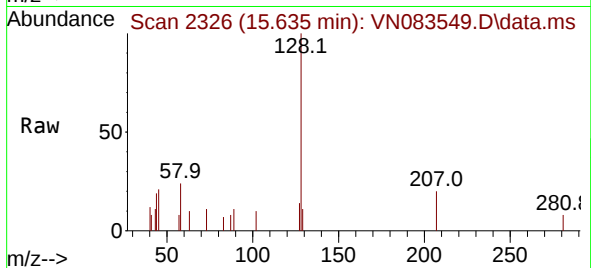
Acq: 29 Aug 2024 11:21

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	4078
Ion Ratio	Lower	Upper
128	100	
127	11.9	10.6 16.0
129	1.5	8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 0.411 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN083549.D

Acq: 29 Aug 2024 11:21

Tgt Ion:180	Resp:	1183
Ion Ratio	Lower	Upper
180	100	
182	100.0	48.9 146.8
145	36.0	16.8 50.4

