

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
 Data File : VN085041.D
 Acq On : 26 Nov 2024 14:32
 Operator : JC\MD
 Sample : P4845-22RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 27 05:13:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

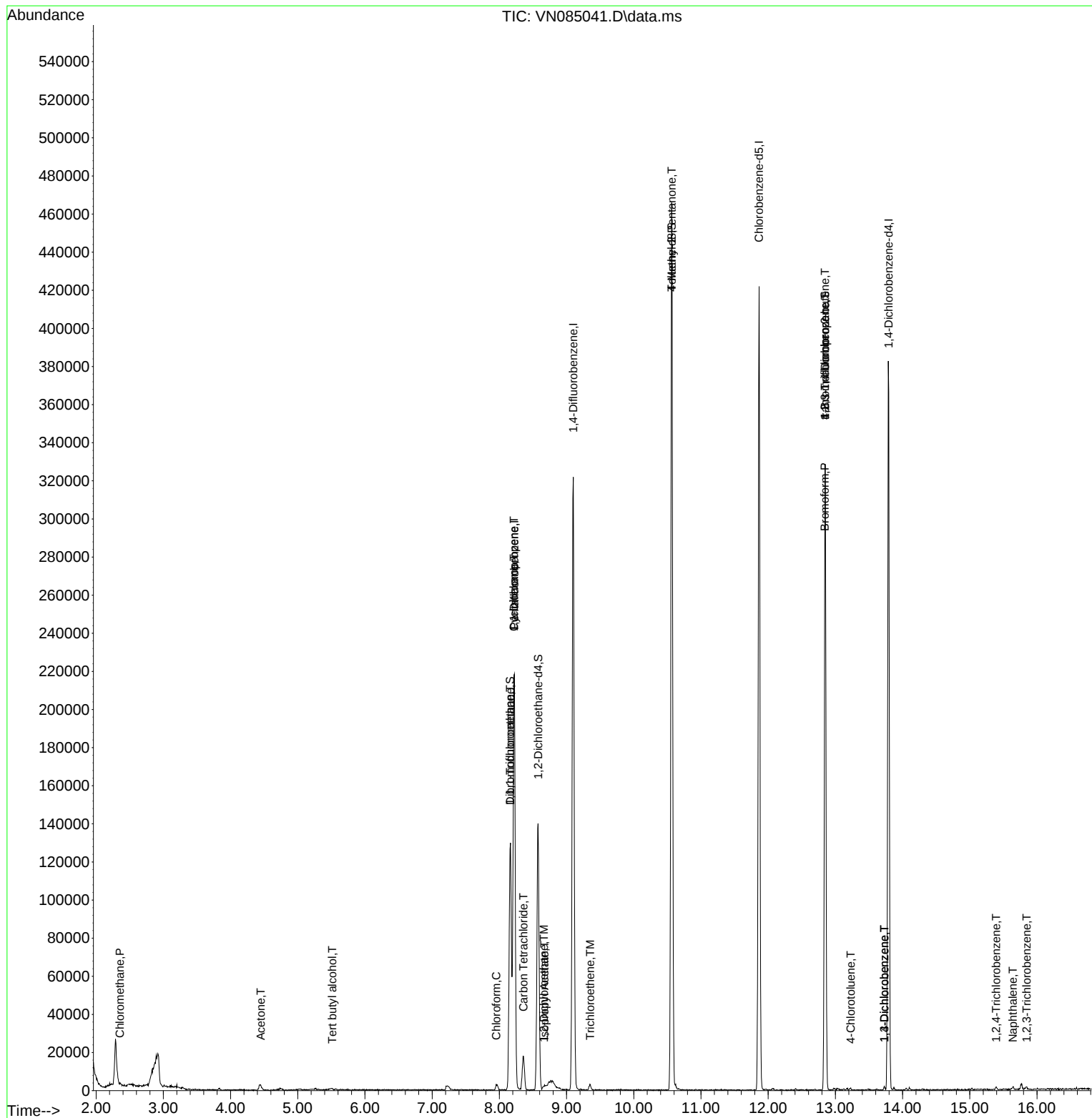
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	157662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	275299	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118735	52.870	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 105.740%		
35) Dibromofluoromethane	8.159	113	95126	51.239	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.480%		
50) Toluene-d8	10.565	98	315562	47.429	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 94.860%		
62) 4-Bromofluorobenzene	12.847	95	112193	45.091	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 90.180%		
Target Compounds						Qvalue
3) Chloromethane	2.353	50	733	0.354	ug/l #	40
11) Tert butyl alcohol	5.512	59	353	1.176	ug/l #	75
16) Acetone	4.447	43	2511	3.839	ug/l #	77
18) Methyl Acetate	5.030	43	1014	Below Cal	#	50
30) Chloroform	7.953	83	3384	0.936	ug/l #	71
31) Cyclohexane	8.218	56	3412	1.141	ug/l #	9
32) 1,1,1-Trichloroethane	8.159	97	709	0.217	ug/l #	24
36) 1,1-Dichloropropene	8.218	75	13180	5.241	ug/l #	50
38) Carbon Tetrachloride	8.359	117	13318	4.588	ug/l	90
42) 1,2-Dichloroethane	8.665	62	649	0.239	ug/l #	75
43) Isopropyl Acetate	8.671	43	1878	0.395	ug/l #	55
44) Trichloroethene	9.353	130	1300	0.703	ug/l	70
51) 4-Methyl-2-Pentanone	10.565	43	1236	0.570	ug/l #	1
71) Bromoform	12.841	173	443	0.315	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	58770	32.293	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58770	71.288	ug/l #	10
82) 4-Chlorotoluene	13.229	91	1229	0.217	ug/l #	50
87) 1,3-Dichlorobenzene	13.729	146	766	0.204	ug/l	93
88) 1,4-Dichlorobenzene	13.729	146	766	0.200	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	715	0.367	ug/l #	80
95) Naphthalene	15.641	128	1921	0.346	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.847	180	901	0.484	ug/l	89

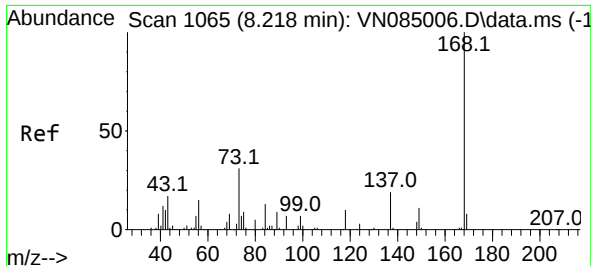
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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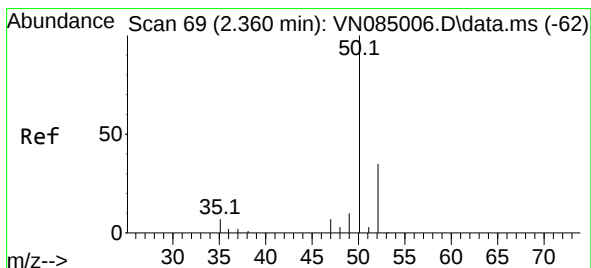
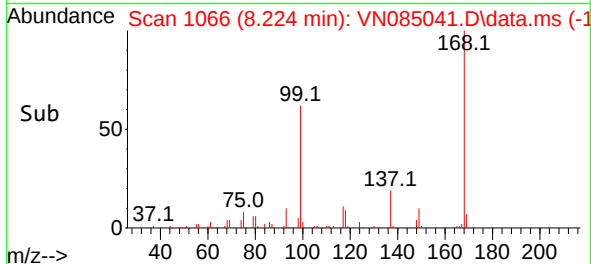
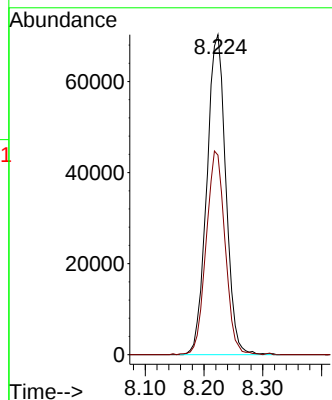
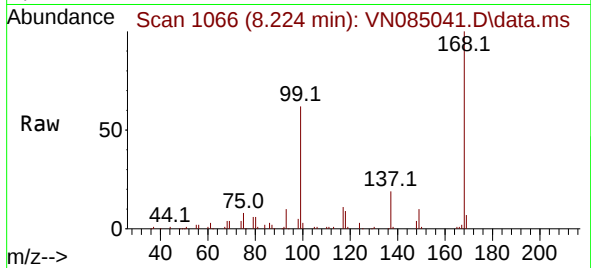




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

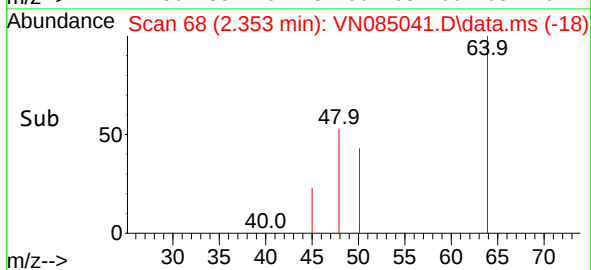
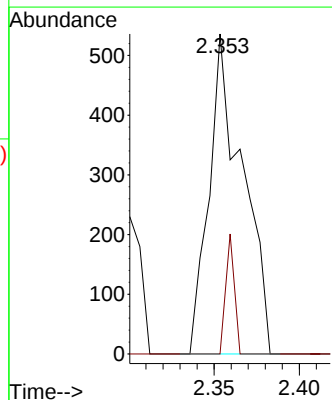
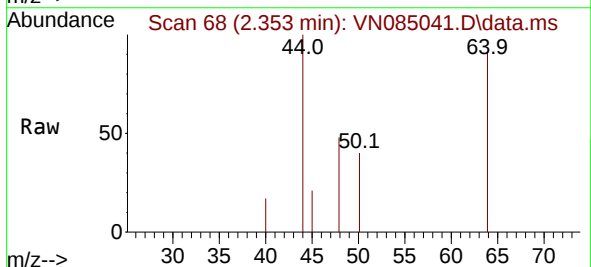
Instrument :
MSVOA_N
ClientSampleId :

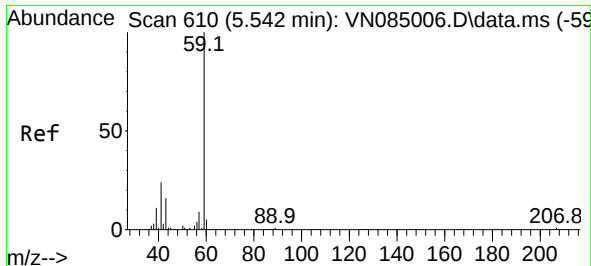
Tgt Ion:168 Resp: 157662
Ion Ratio Lower Upper
168 100
99 62.4 51.2 76.8



#3
Chloromethane
Concen: 0.354 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

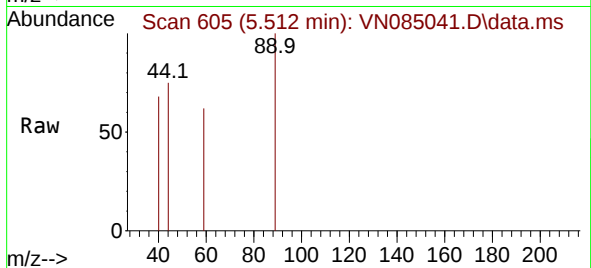
Tgt Ion: 50 Resp: 733
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#



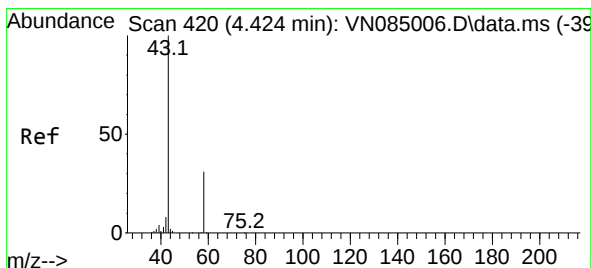
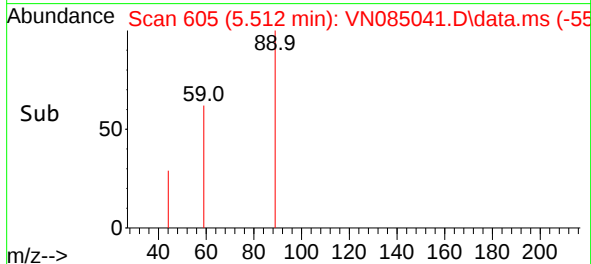
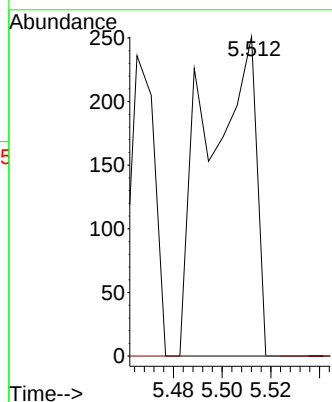


#11
Tert butyl alcohol
Concen: 1.176 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.030 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :

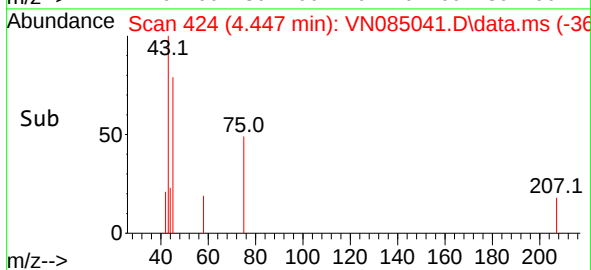
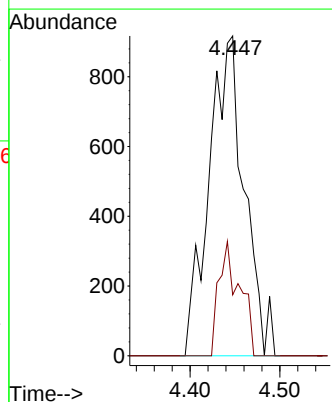
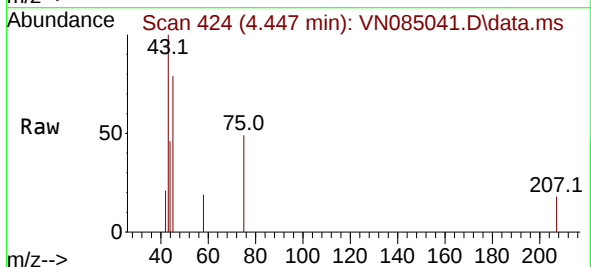


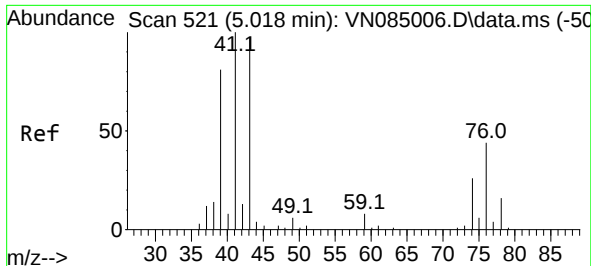
Tgt Ion: 59 Resp: 353
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#16
Acetone
Concen: 3.839 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.023 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 43 Resp: 2511
Ion Ratio Lower Upper
43 100
58 19.1 25.4 38.2#

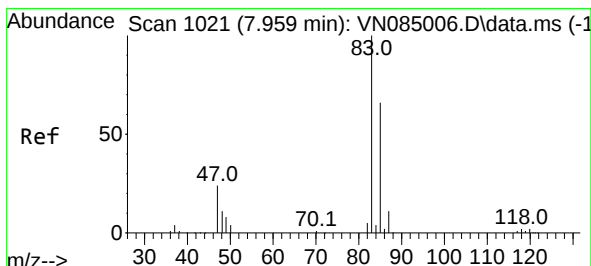
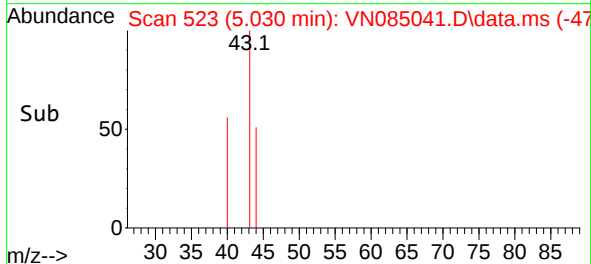
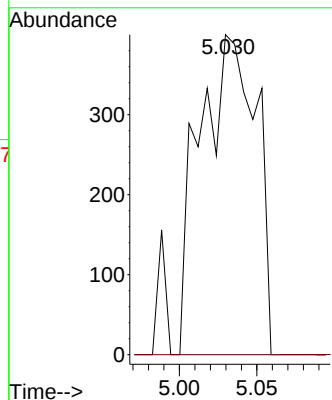
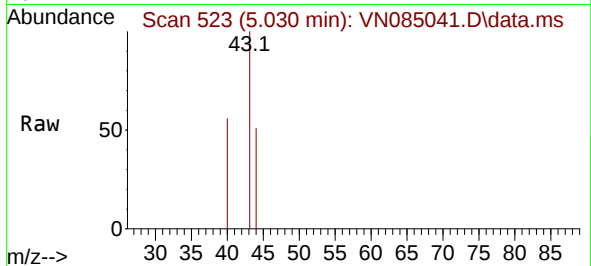




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

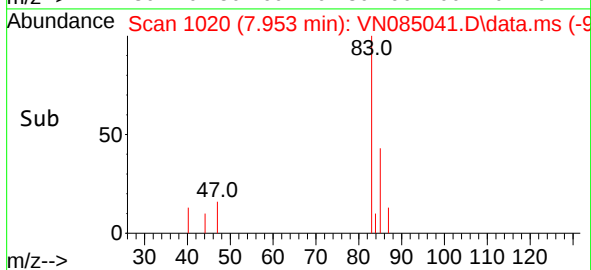
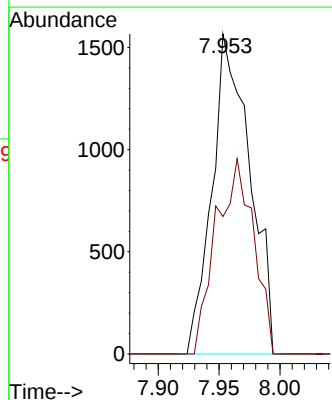
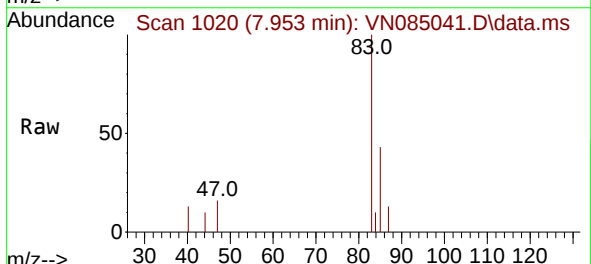
Instrument :
MSVOA_N
ClientSampleId :

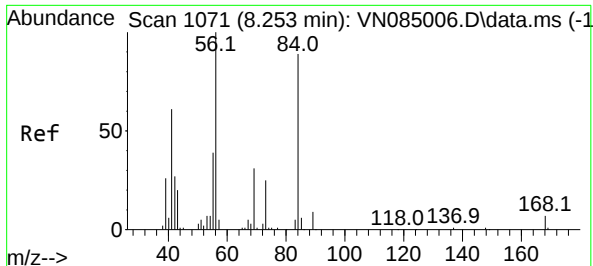
Tgt Ion: 43 Resp: 1014
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#30
Chloroform
Concen: 0.936 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. -0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

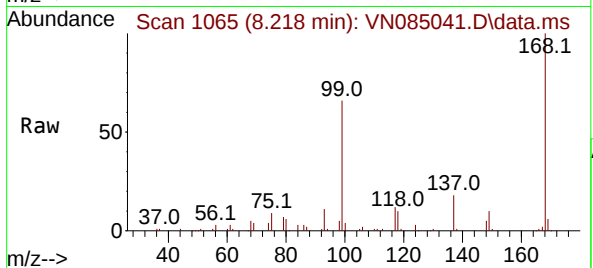
Tgt Ion: 83 Resp: 3384
Ion Ratio Lower Upper
83 100
85 43.0 52.6 78.8#



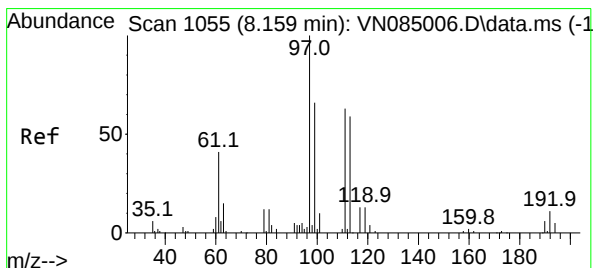
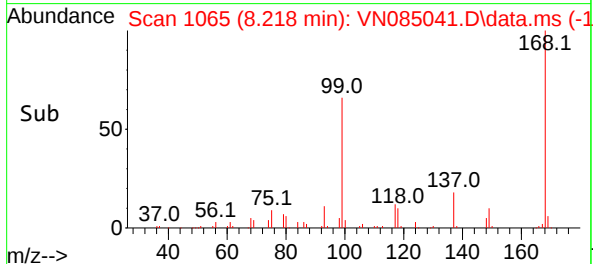
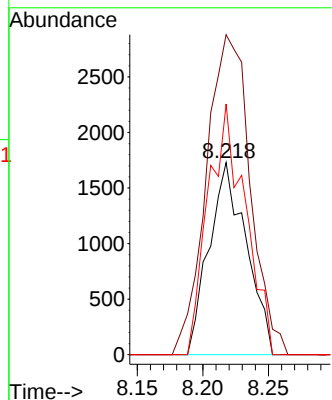


#31
Cyclohexane
Concen: 1.141 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :

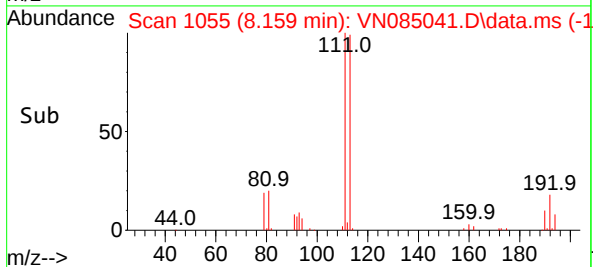
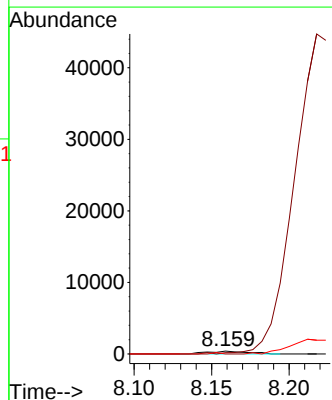
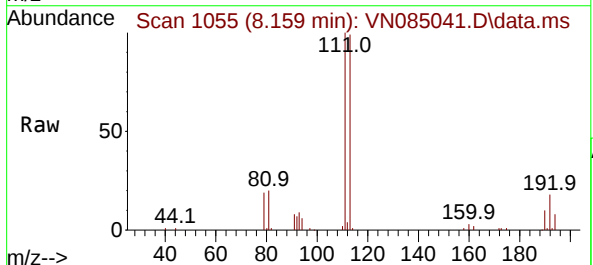


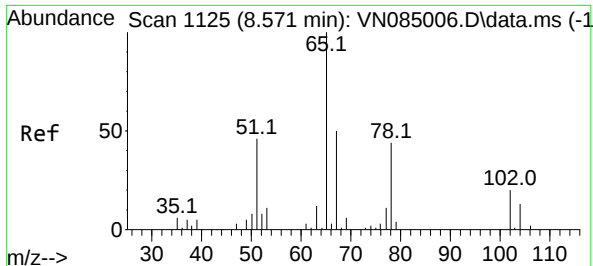
Tgt Ion: 56 Resp: 3412
Ion Ratio Lower Upper
56 100
69 156.2 24.6 36.8#
84 130.5 71.4 107.2#



#32
1,1,1-Trichloroethane
Concen: 0.217 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 97 Resp: 709
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.4#
61 0.0 36.2 54.2#





#33

1,2-Dichloroethane-d4

Concen: 52.870 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085041.D

Acq: 26 Nov 2024 14:32

Instrument :

MSVOA_N

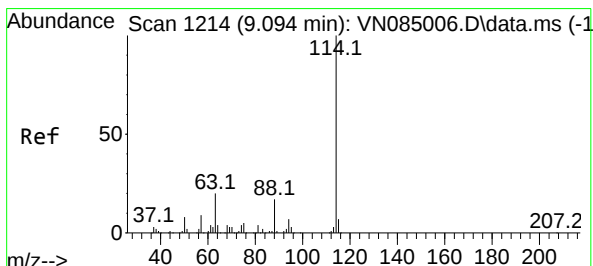
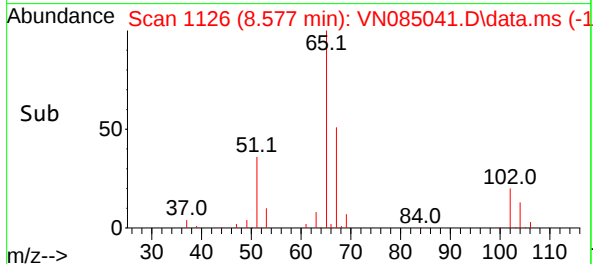
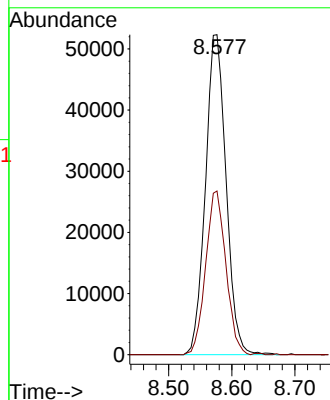
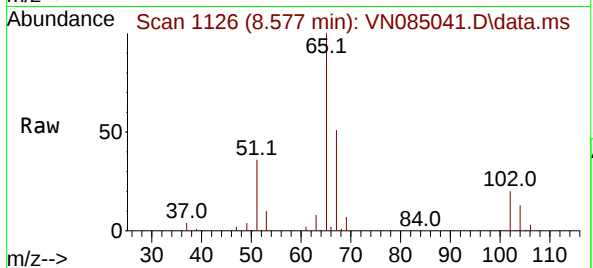
ClientSampleId :

Tgt Ion: 65 Resp: 118735

Ion Ratio Lower Upper

65 100

67 50.2 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085041.D

Acq: 26 Nov 2024 14:32

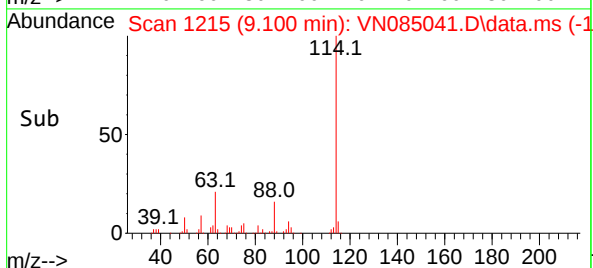
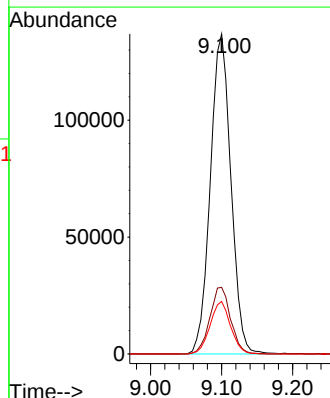
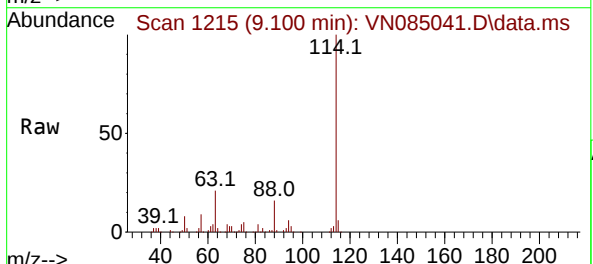
Tgt Ion: 114 Resp: 275299

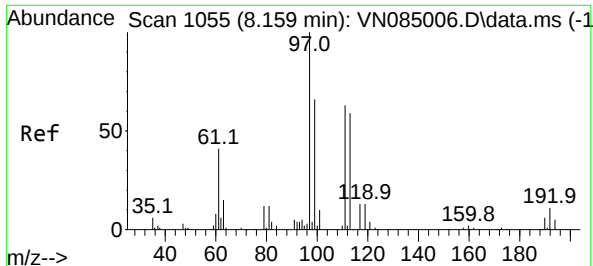
Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.0

88 16.4 0.0 34.8





#35

Dibromofluoromethane

Concen: 51.239 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085041.D

Acq: 26 Nov 2024 14:32

Instrument :

MSVOA_N

ClientSampleId :

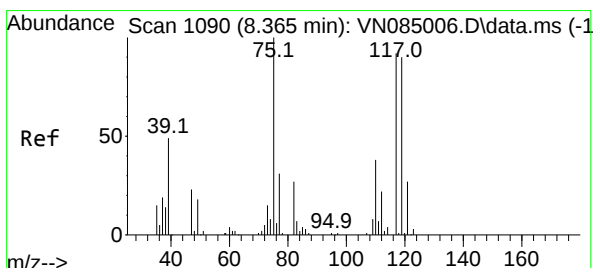
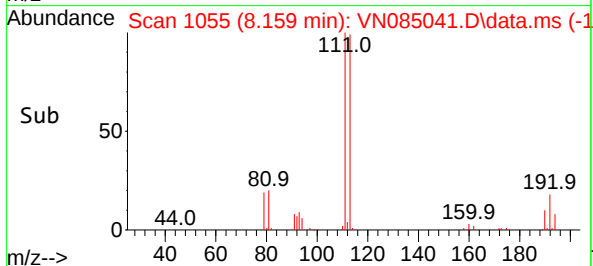
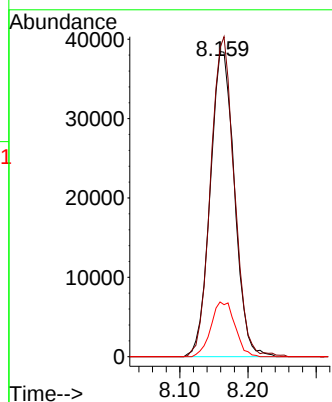
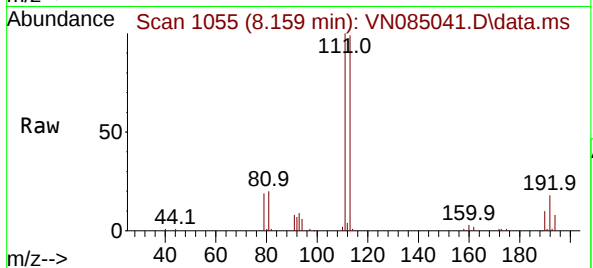
Tgt Ion:113 Resp: 95126

Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

192 17.8 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.241 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085041.D

Acq: 26 Nov 2024 14:32

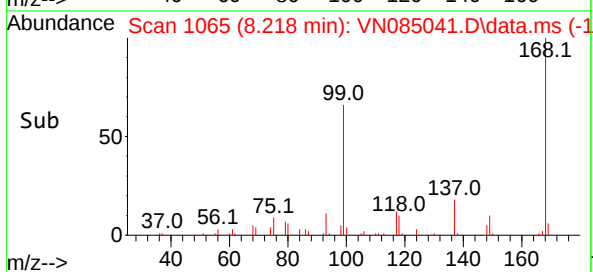
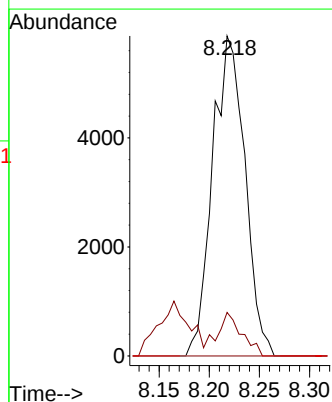
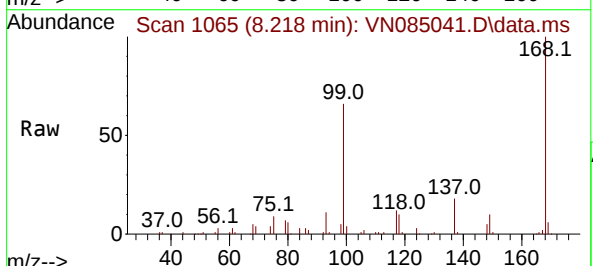
Tgt Ion: 75 Resp: 13180

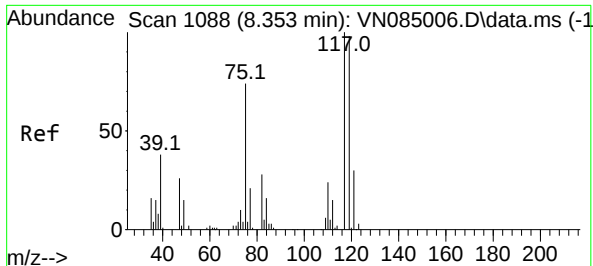
Ion Ratio Lower Upper

75 100

110 8.5 17.2 51.6#

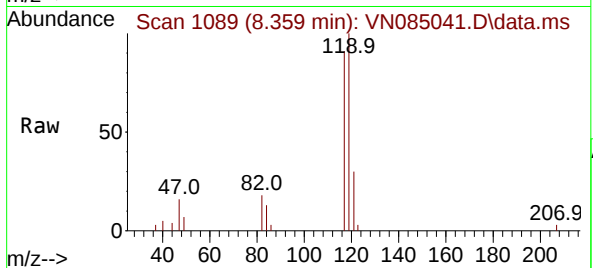
77 0.0 24.2 36.4#



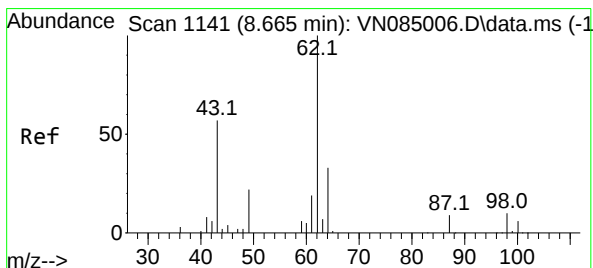
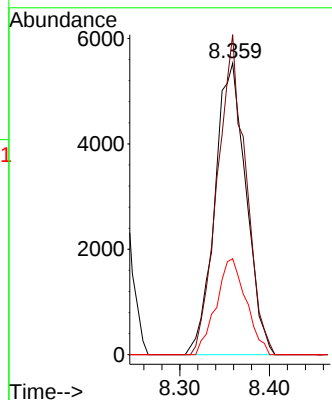
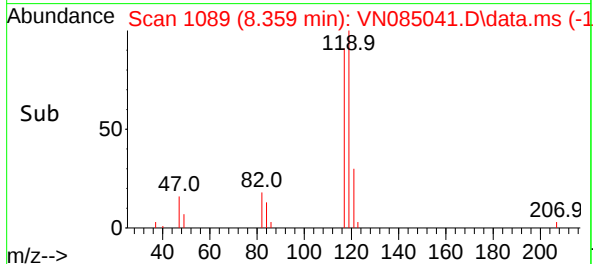


#38
Carbon Tetrachloride
Concen: 4.588 ug/l
RT: 8.359 min Scan# 1108
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :

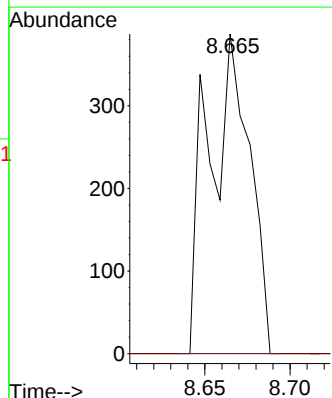
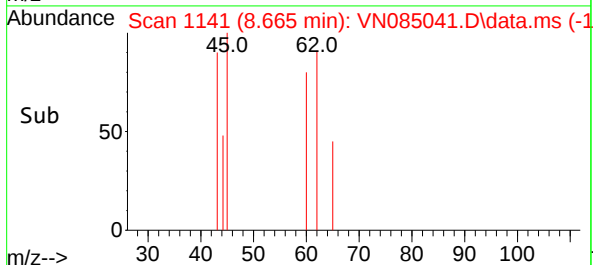
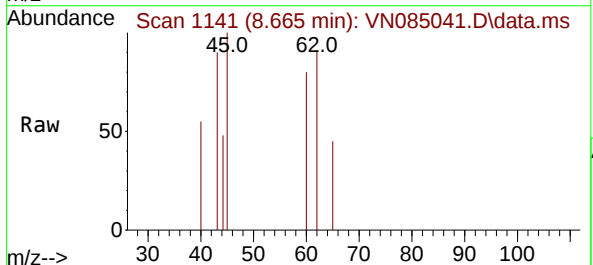


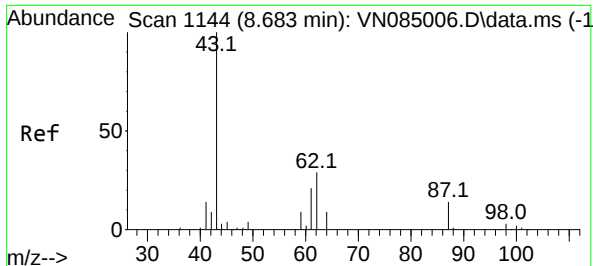
Tgt Ion: 117 Resp: 13318
Ion Ratio Lower Upper
117 100
119 109.7 78.6 117.8
121 32.9 24.2 36.2



#42
1,2-Dichloroethane
Concen: 0.239 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 62 Resp: 649
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 0.395 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.012 min

Lab File: VN085041.D

Acq: 26 Nov 2024 14:32

Instrument :

MSVOA_N

ClientSampleId :

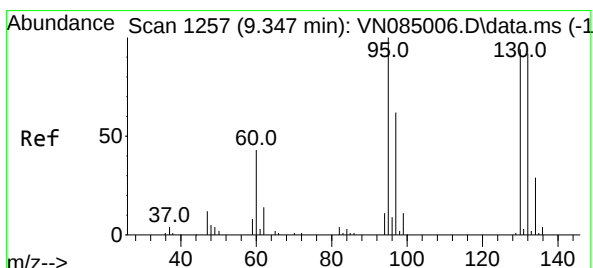
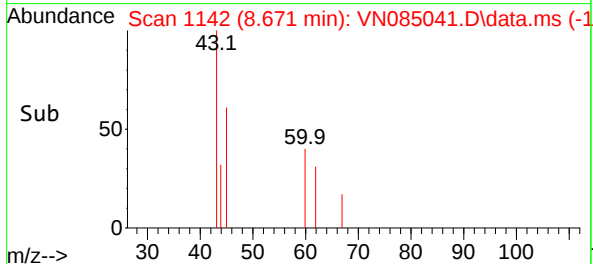
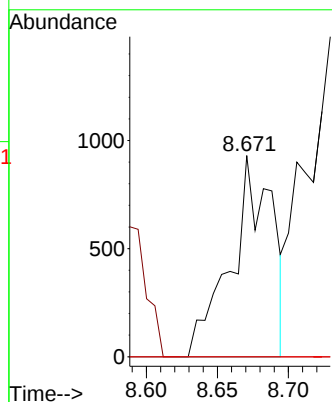
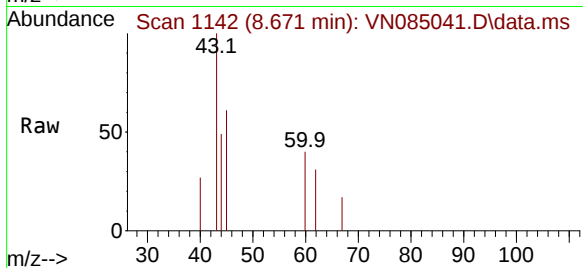
Tgt Ion: 43 Resp: 1878

Ion Ratio Lower Upper

43 100

61 0.0 20.6 30.8#

87 0.0 11.0 16.4#



#44

Trichloroethene

Concen: 0.703 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN085041.D

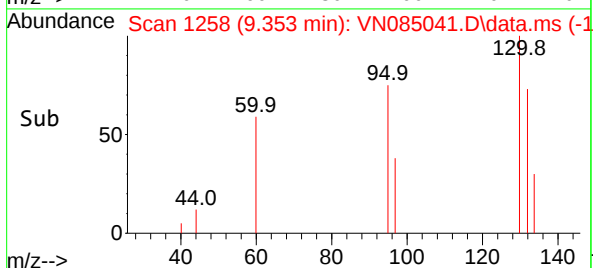
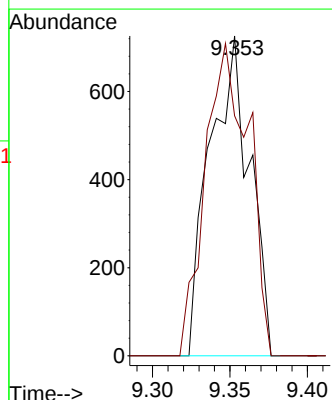
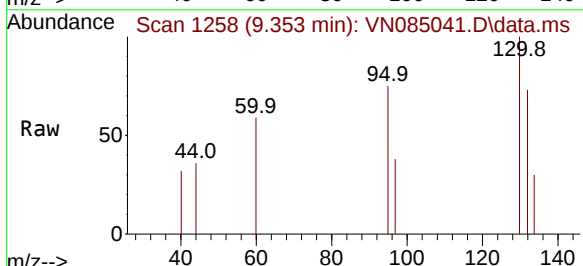
Acq: 26 Nov 2024 14:32

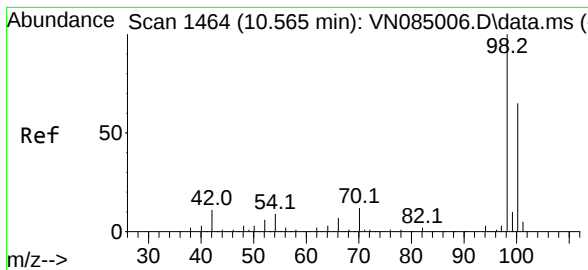
Tgt Ion:130 Resp: 1300

Ion Ratio Lower Upper

130 100

95 75.1 0.0 213.4

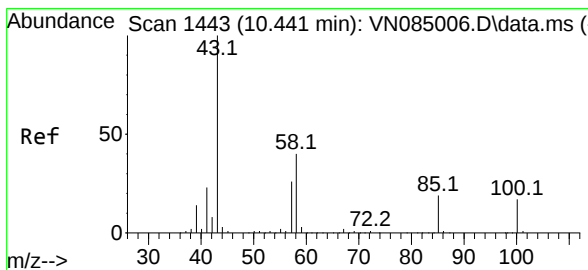
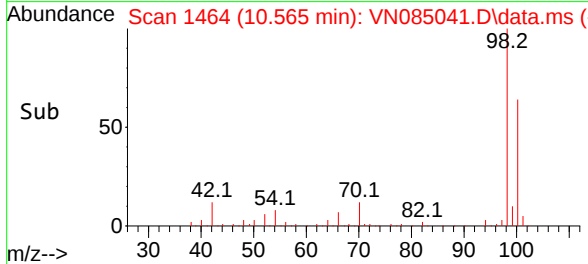
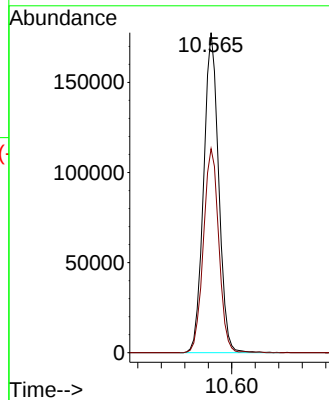
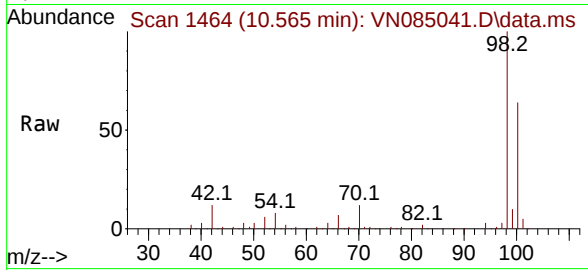




#50
Toluene-d8
Concen: 47.429 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

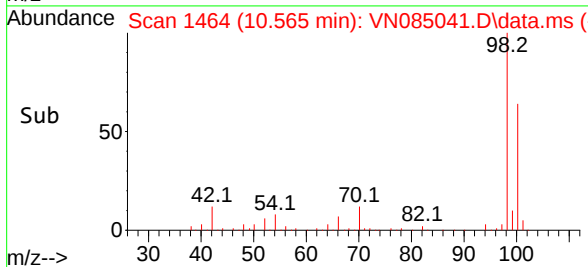
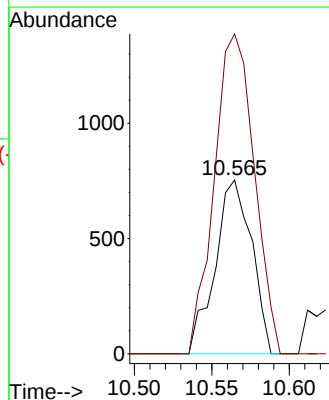
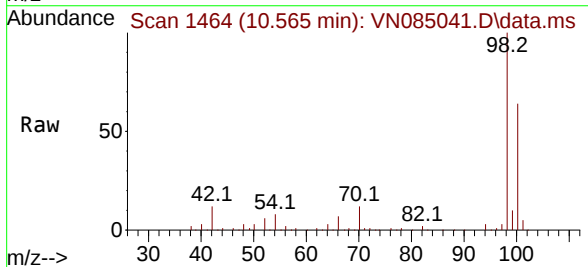
Instrument :
MSVOA_N
ClientSampleId :

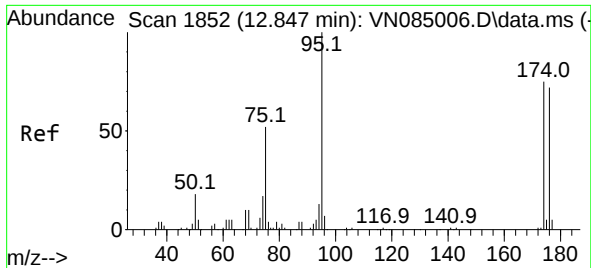
Tgt Ion: 98 Resp: 315562
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.570 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 43 Resp: 1236
Ion Ratio Lower Upper
43 100
58 201.4 32.1 48.1#

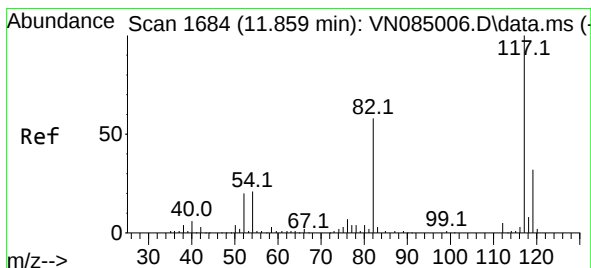
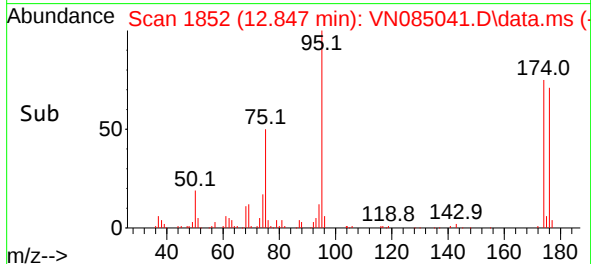
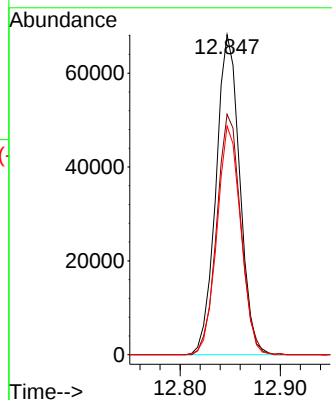
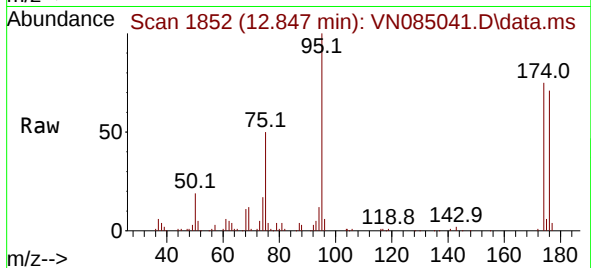




#62
4-Bromofluorobenzene
Concen: 45.091 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

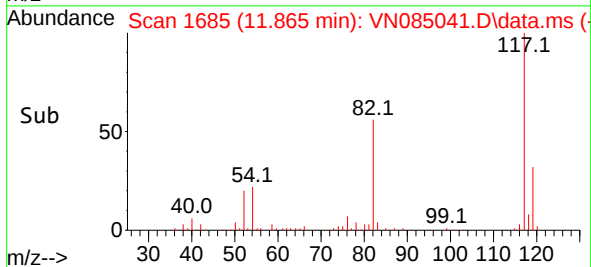
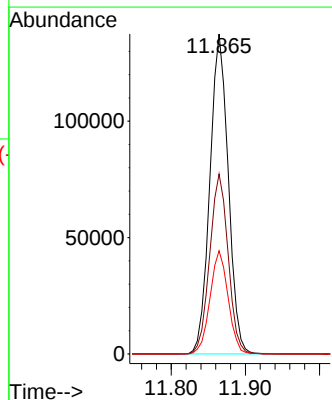
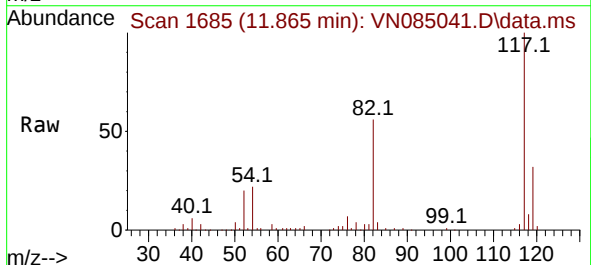
Instrument :
MSVOA_N
ClientSampleId :

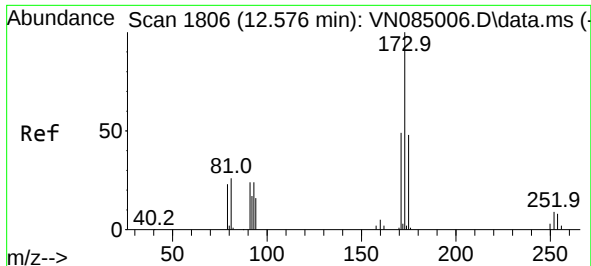
Tgt Ion: 95 Resp: 112193
Ion Ratio Lower Upper
95 100
174 76.1 0.0 146.6
176 71.7 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 117 Resp: 237019
Ion Ratio Lower Upper
117 100
82 56.3 46.0 69.0
119 32.3 25.6 38.4

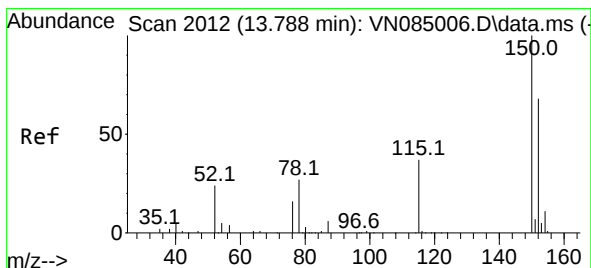
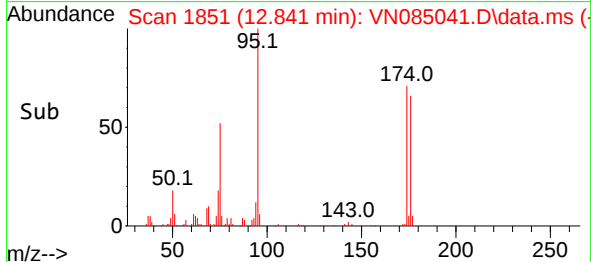
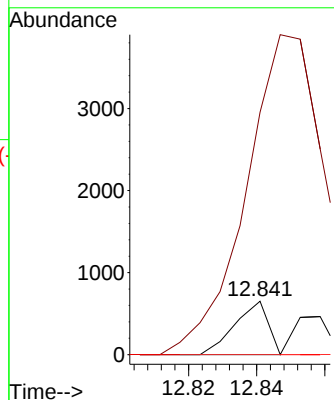
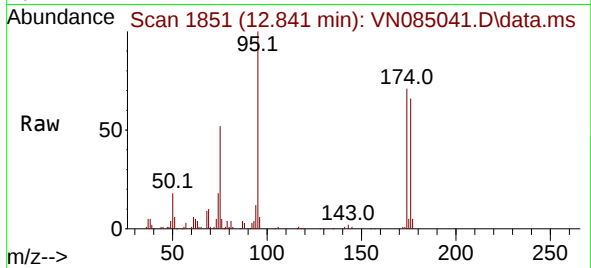




#71
Bromoform
Concen: 0.315 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.264 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

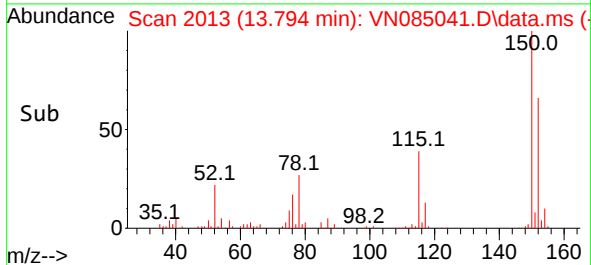
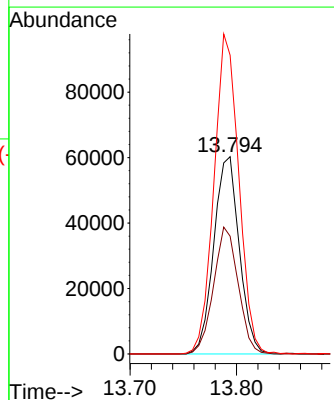
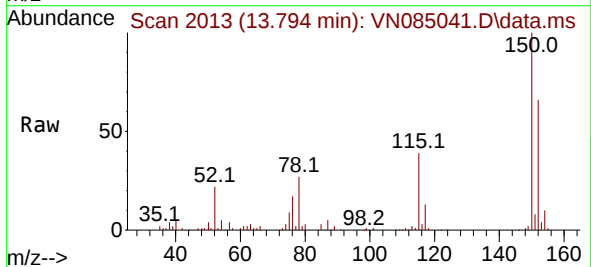
Instrument :
MSVOA_N
ClientSampleId :

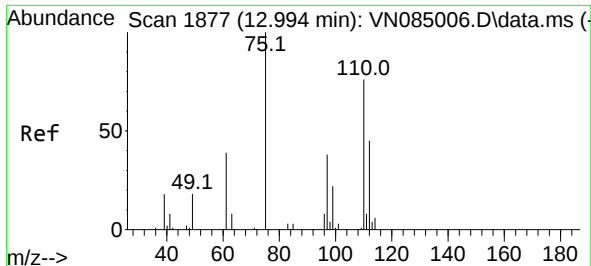
Tgt Ion:173 Resp: 443
Ion Ratio Lower Upper
173 100
175 1082.2 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:152 Resp: 100055
Ion Ratio Lower Upper
152 100
115 62.1 31.7 95.1
150 157.9 0.0 351.4

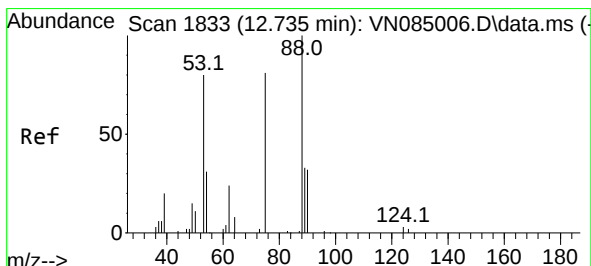
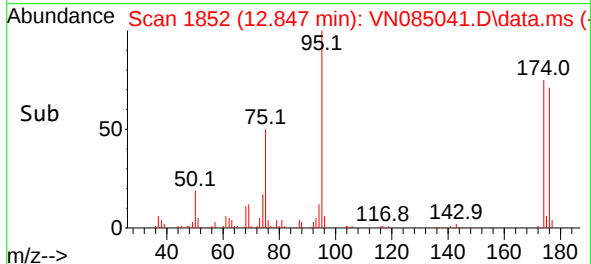
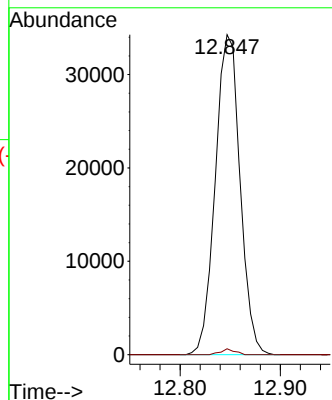
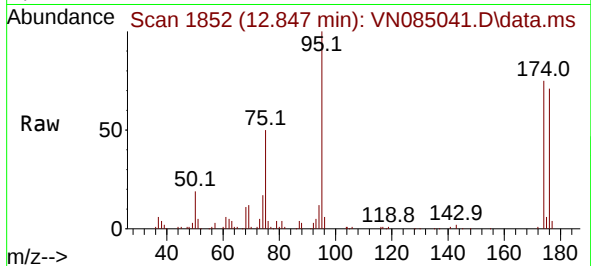




#76
1,2,3-Trichloropropane
Concen: 32.293 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

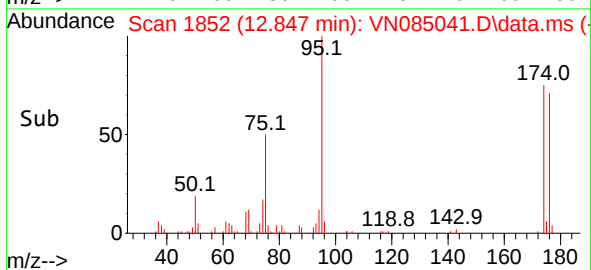
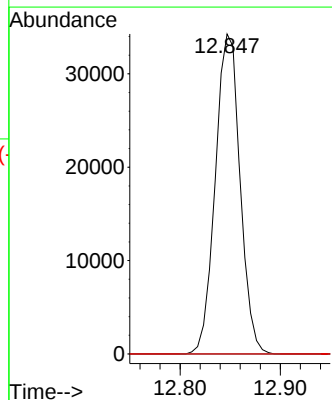
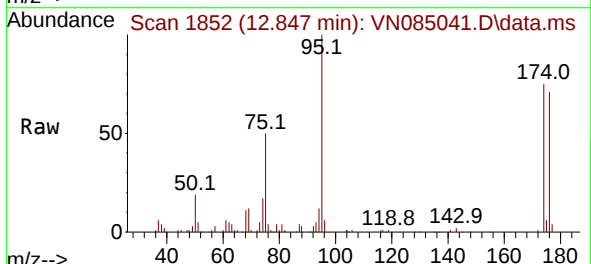
Instrument :
MSVOA_N
ClientSampleId :

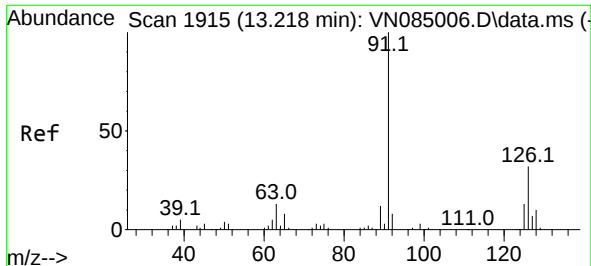
Tgt Ion: 75 Resp: 58770
Ion Ratio Lower Upper
75 100
77 1.0 109.1 327.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.288 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion: 75 Resp: 58770
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#

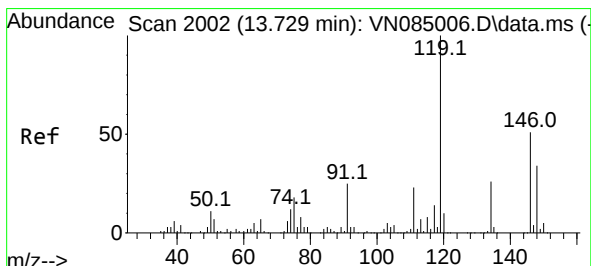
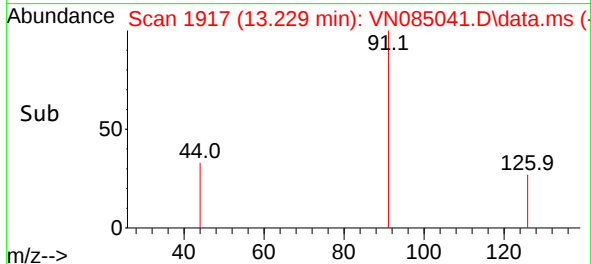
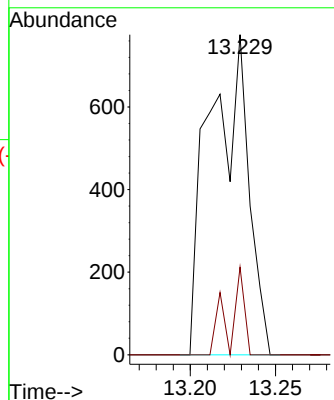
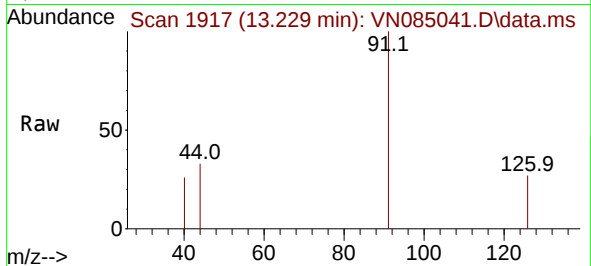




#82
4-Chlorotoluene
Concen: 0.217 ug/l
RT: 13.229 min Scan# 1915
Delta R.T. 0.012 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

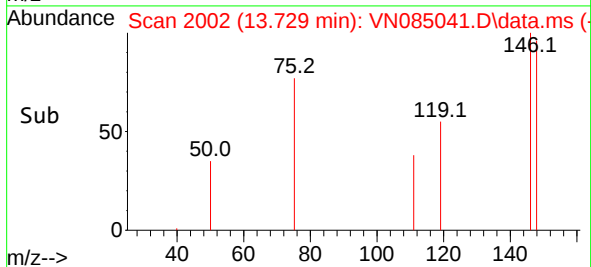
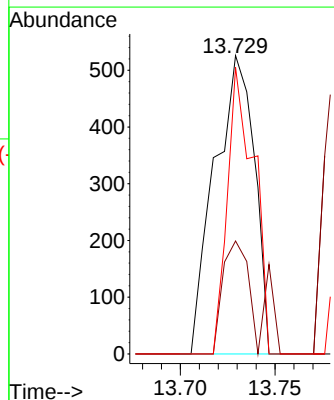
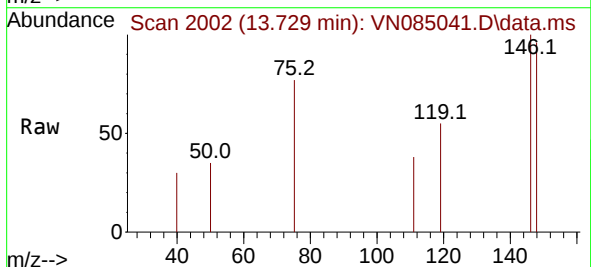
Instrument :
MSVOA_N
ClientSampleId :

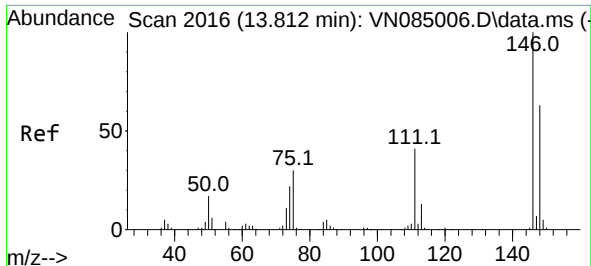
Tgt Ion: 91 Resp: 1229
Ion Ratio Lower Upper
91 100
126 4.3 16.1 48.3#



#87
1,3-Dichlorobenzene
Concen: 0.204 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

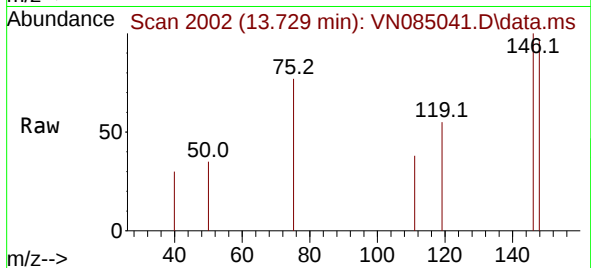
Tgt Ion:146 Resp: 766
Ion Ratio Lower Upper
146 100
111 31.5 21.6 65.0
148 64.4 32.2 96.6



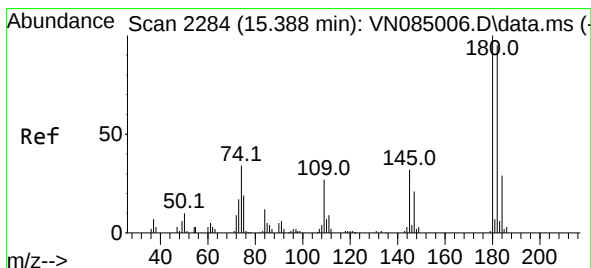
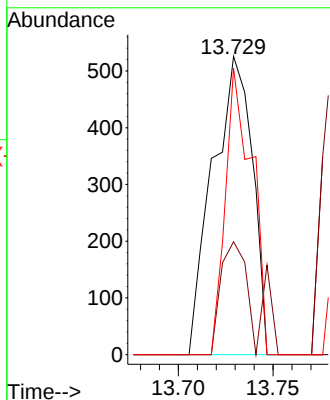
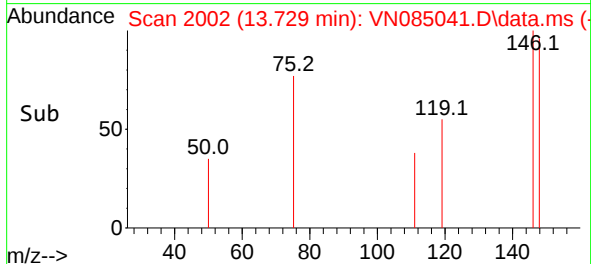


#88
1,4-Dichlorobenzene
Concen: 0.200 ug/l
RT: 13.729 min Scan# 2016
Delta R.T. -0.083 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

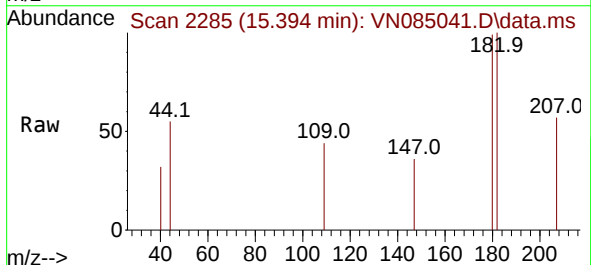
Instrument :
MSVOA_N
ClientSampleId :



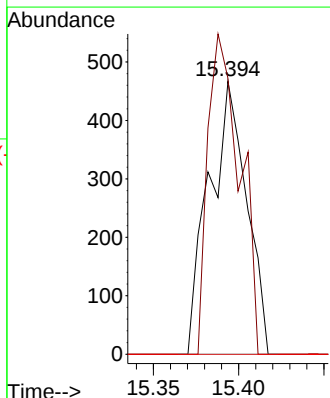
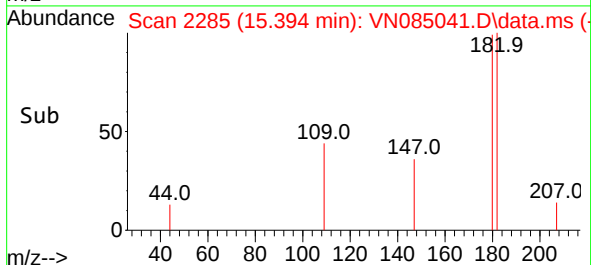
Tgt Ion:146 Resp: 766
Ion Ratio Lower Upper
146 100
111 31.5 20.9 62.8
148 64.4 31.3 93.9

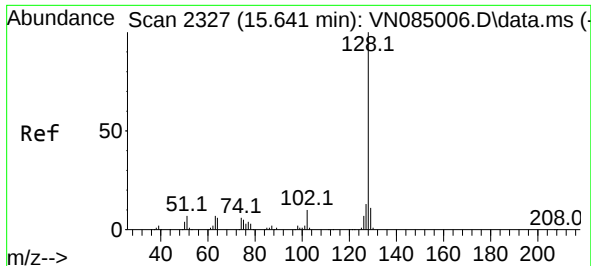


#93
1,2,4-Trichlorobenzene
Concen: 0.367 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32



Tgt Ion:180 Resp: 715
Ion Ratio Lower Upper
180 100
182 100.3 46.9 140.8
145 0.0 16.3 48.8#

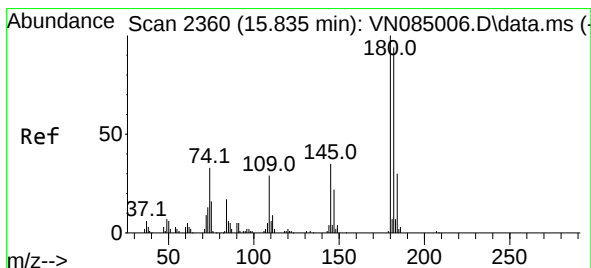
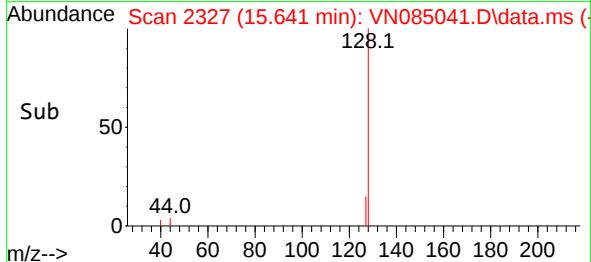
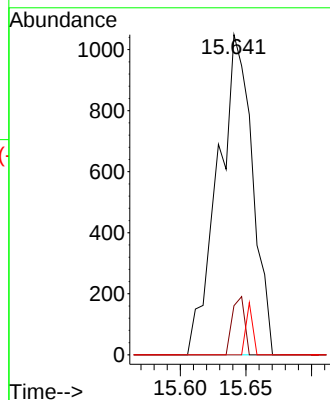
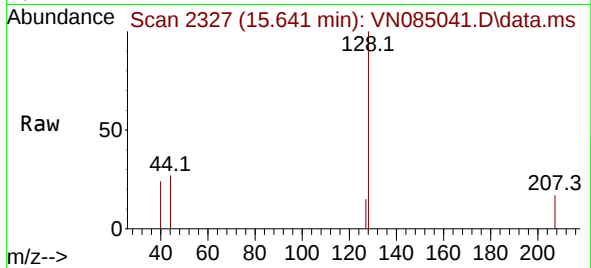




#95
Naphthalene
Concen: 0.346 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1921
Ion Ratio Lower Upper
128 100
127 6.5 10.6 16.0#
129 3.1 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.484 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.012 min
Lab File: VN085041.D
Acq: 26 Nov 2024 14:32

Tgt Ion:180 Resp: 901
Ion Ratio Lower Upper
180 100
182 87.1 46.4 139.2
145 20.2 17.3 52.0

