

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085143.D
 Acq On : 09 Dec 2024 11:11
 Operator : JC\MD
 Sample : VN1209WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBL01

Quant Time: Dec 10 04:57:20 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

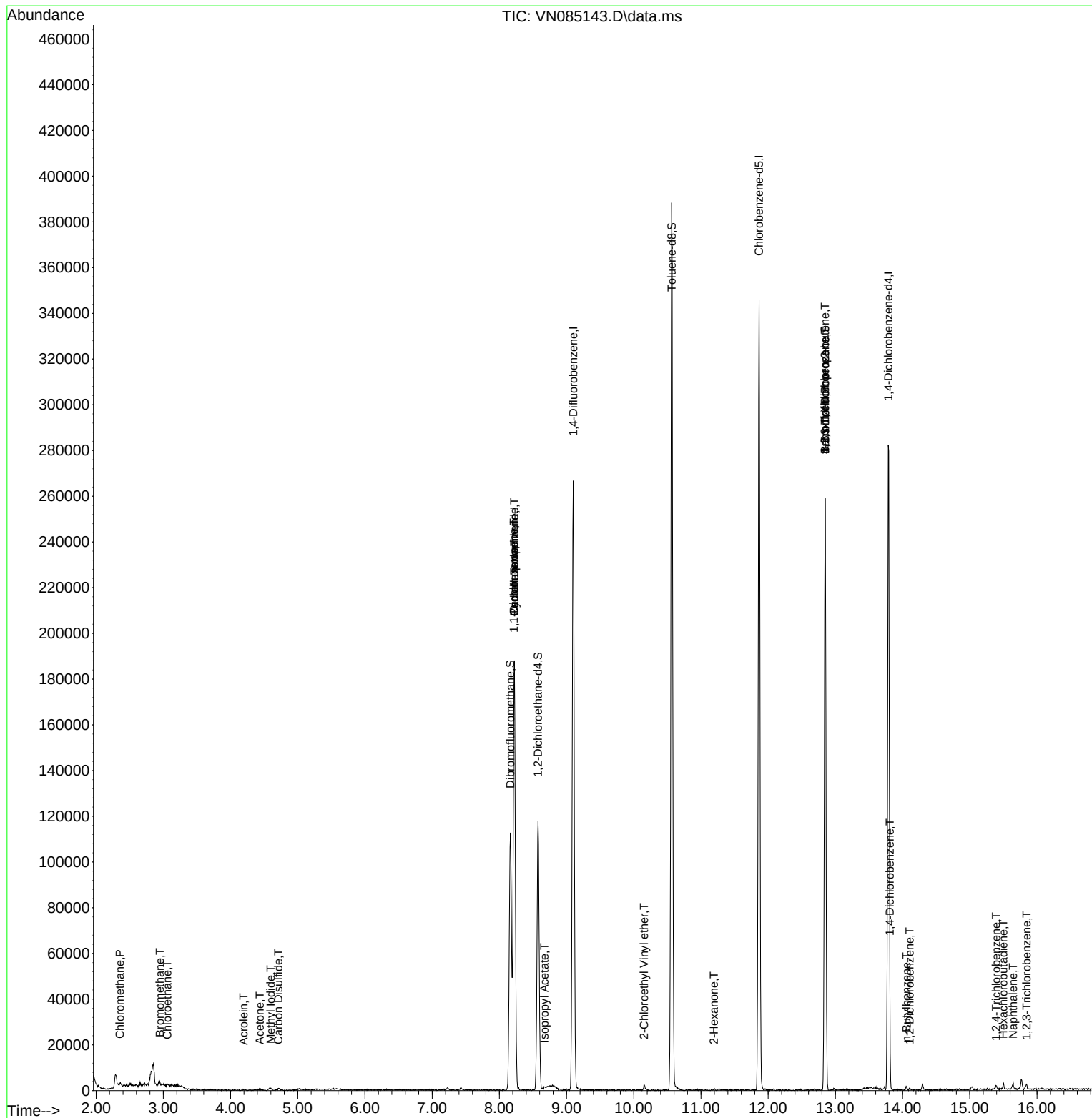
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	133604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	227682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	197276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	78404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	97776	51.377	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.760%	
35) Dibromofluoromethane	8.165	113	82024	53.422	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.840%	
50) Toluene-d8	10.565	98	267585	48.629	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.260%	
62) 4-Bromofluorobenzene	12.847	95	88149	42.837	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 85.680%	
Target Compounds						Qvalue
3) Chloromethane	2.353	50	851	0.486	ug/l	91
5) Bromomethane	2.947	94	994	1.126	ug/l #	46
6) Chloroethane	3.059	64	257	0.242	ug/l #	44
10) Methyl Iodide	4.600	142	1909	0.949	ug/l #	88
13) Acrolein	4.194	56	112	0.660	ug/l #	16
16) Acetone	4.436	43	273	0.493	ug/l #	43
17) Carbon Disulfide	4.712	76	1059	0.253	ug/l #	77
18) Methyl Acetate	5.024	43	715	Below Cal	#	50
31) Cyclohexane	8.224	56	3099	1.222	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	11050	5.313	ug/l #	51
38) Carbon Tetrachloride	8.224	117	14534	6.054	ug/l #	17
43) Isopropyl Acetate	8.671	43	989	0.252	ug/l #	55
58) 2-Chloroethyl Vinyl ether	10.153	63	1155	1.111	ug/l #	79
59) 2-Hexanone	11.194	43	288	0.215	ug/l #	50
71) Bromoform	12.847	173	596	0.510	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	46910	32.894	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	46910	72.615	ug/l #	10
88) 1,4-Dichlorobenzene	13.811	146	649	0.217	ug/l #	1
89) n-Butylbenzene	14.059	91	1160	0.280	ug/l #	83
91) 1,2-Dichlorobenzene	14.106	146	609	0.216	ug/l #	60
93) 1,2,4-Trichlorobenzene	15.394	180	777	0.508	ug/l #	72
94) Hexachlorobutadiene	15.500	225	712	1.009	ug/l	90
95) Naphthalene	15.647	128	3304	0.759	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.847	180	1056	0.724	ug/l #	86

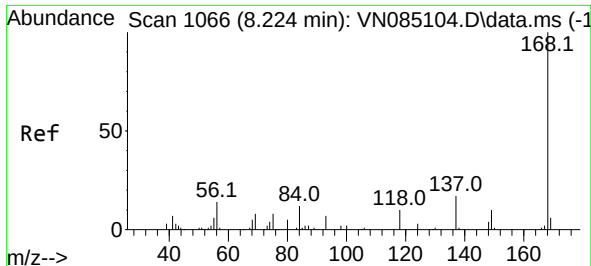
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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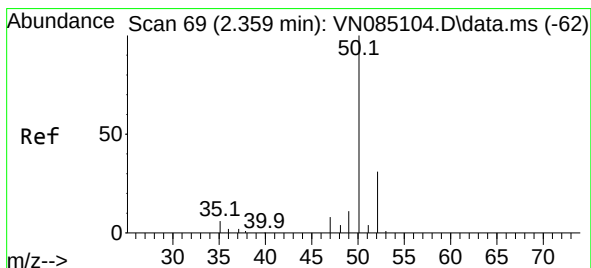
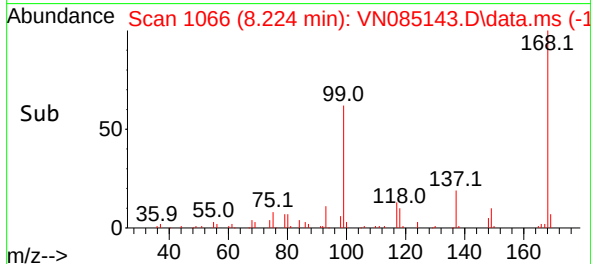
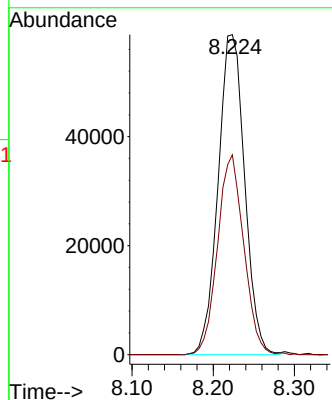
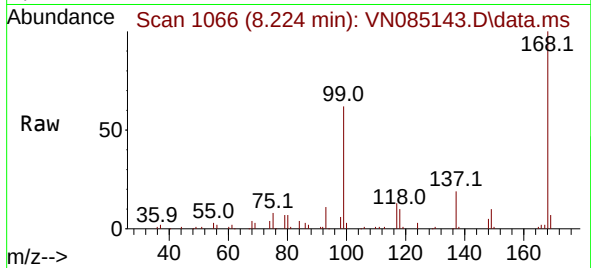




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

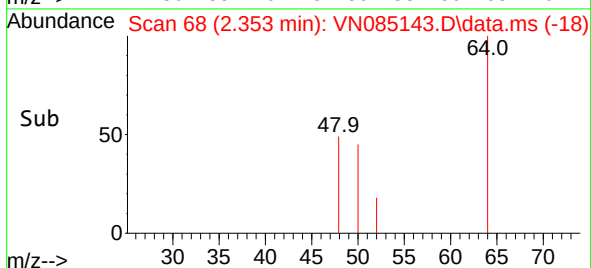
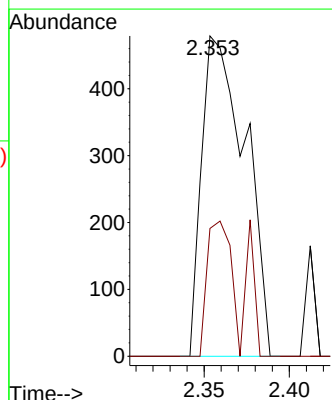
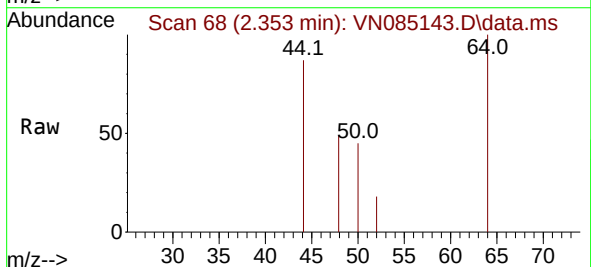
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

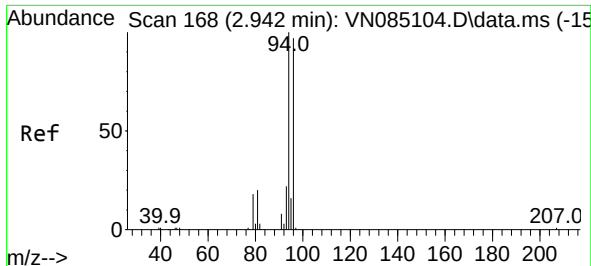
Tgt Ion:168 Resp: 133604
Ion Ratio Lower Upper
168 100
99 62.4 51.2 76.8



#3
Chloromethane
Concen: 0.486 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion: 50 Resp: 851
Ion Ratio Lower Upper
50 100
52 39.9 27.8 41.8

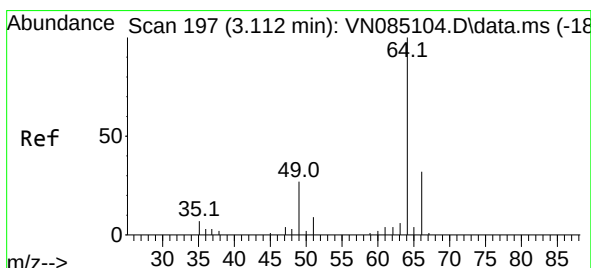
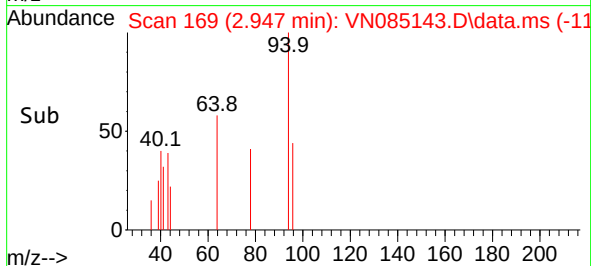
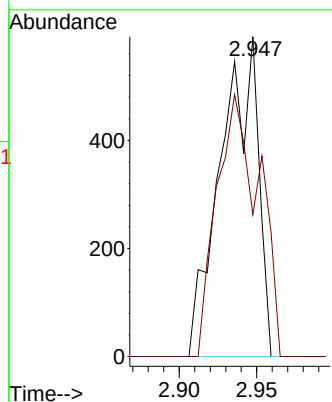
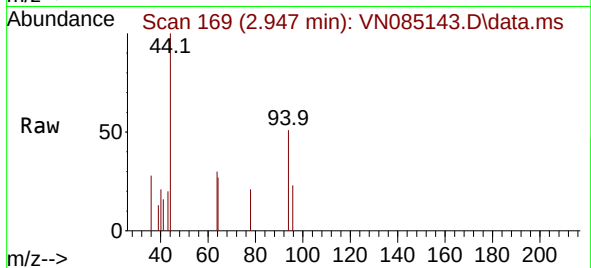




#5
Bromomethane
Concen: 1.126 ug/l
RT: 2.947 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

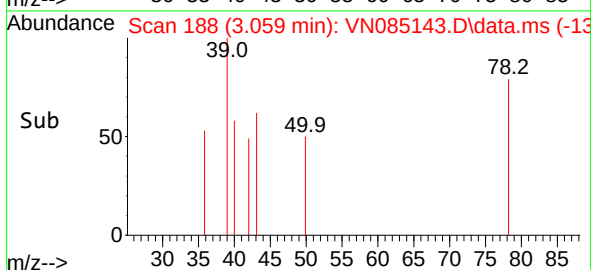
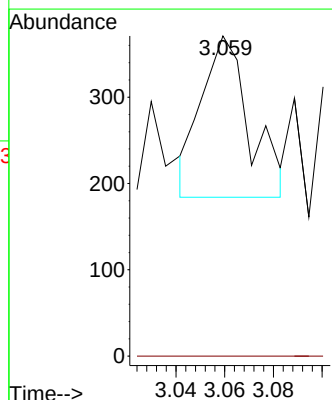
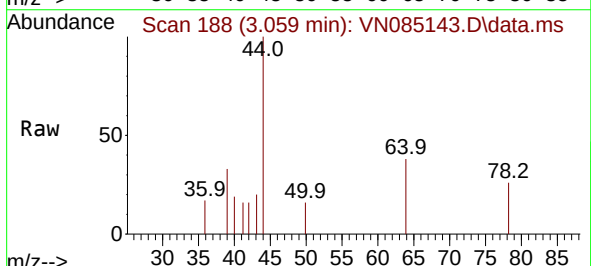
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

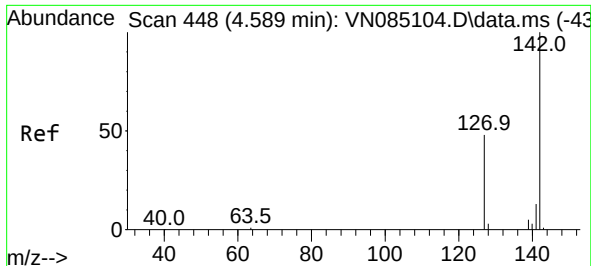
Tgt Ion: 94 Resp: 994
Ion Ratio Lower Upper
94 100
96 44.4 78.7 118.1#



#6
Chloroethane
Concen: 0.242 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.006 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion: 64 Resp: 257
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#

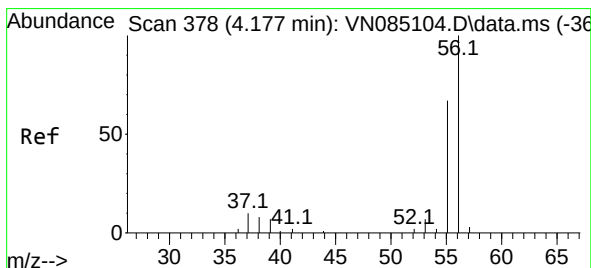
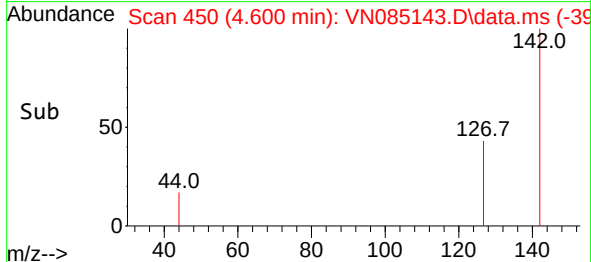
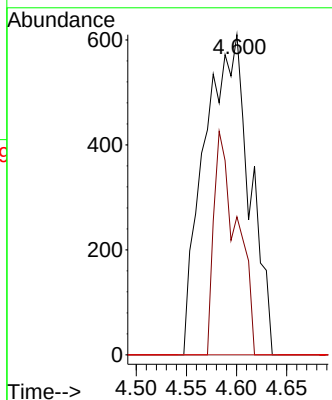
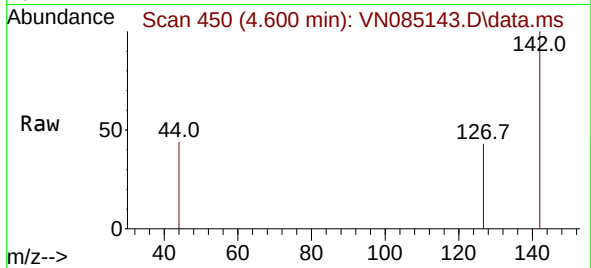




#10
Methyl Iodide
Concen: 0.949 ug/l
RT: 4.600 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

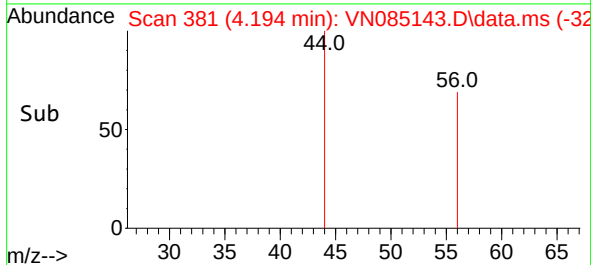
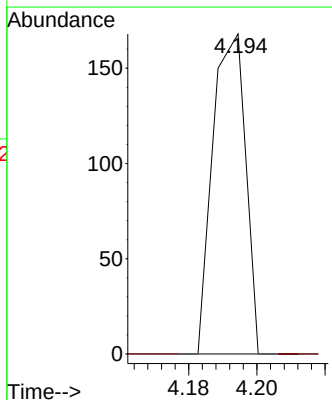
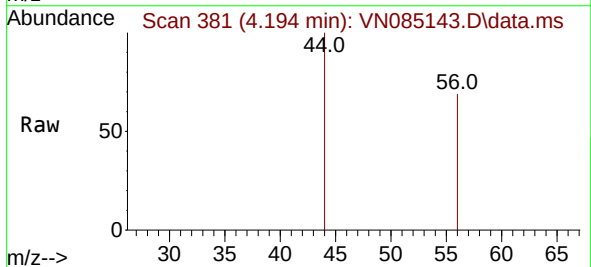
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

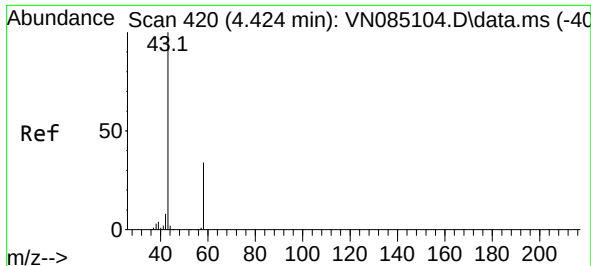
Tgt Ion:142 Resp: 1909
Ion Ratio Lower Upper
142 100
127 43.1 36.6 54.8
141 0.0 12.2 18.4#



#13
Acrolein
Concen: 0.660 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.029 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion: 56 Resp: 112
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

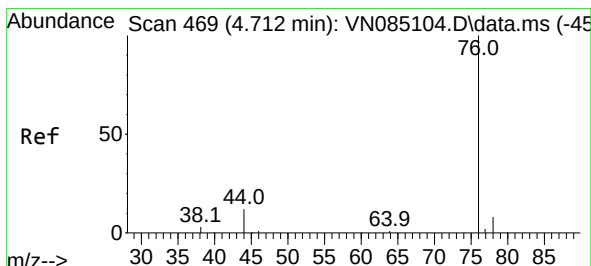
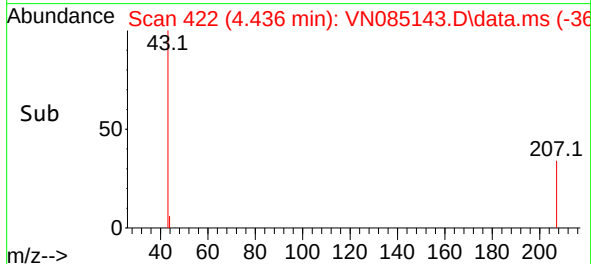
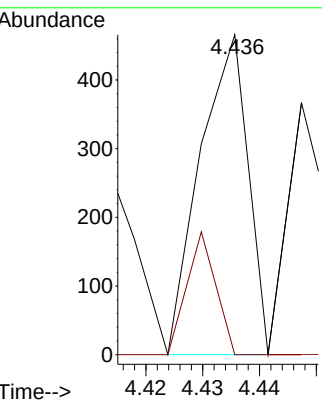
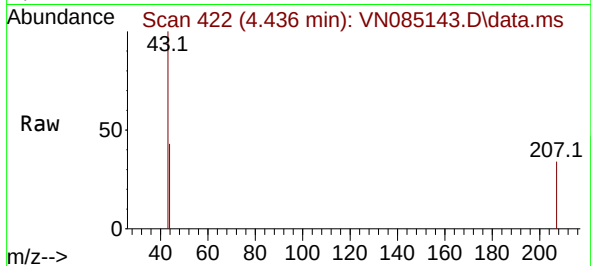




#16
Acetone
Concen: 0.493 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

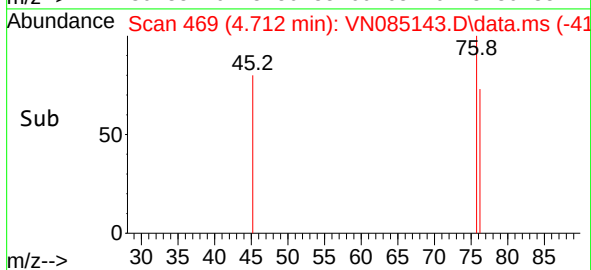
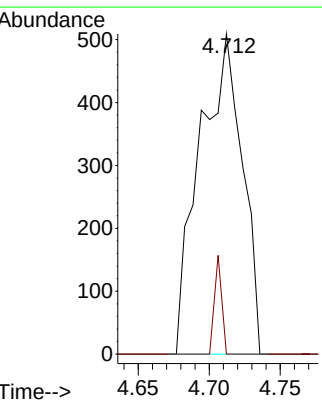
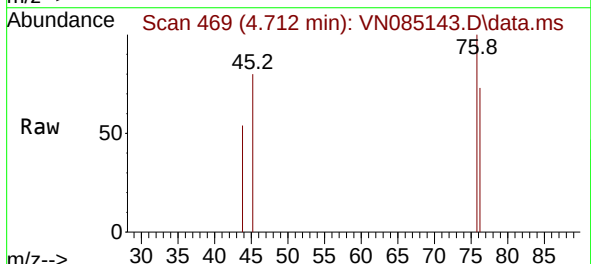
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

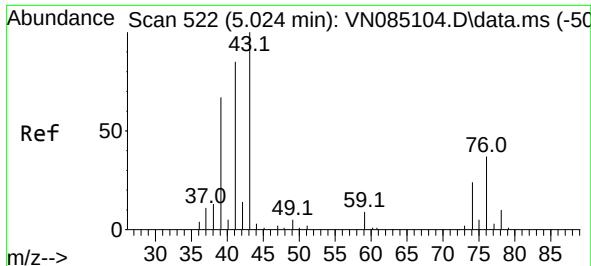
Tgt Ion: 43 Resp: 273
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.2#



#17
Carbon Disulfide
Concen: 0.253 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.017 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion: 76 Resp: 1059
Ion Ratio Lower Upper
76 100
78 0.0 6.5 9.7#

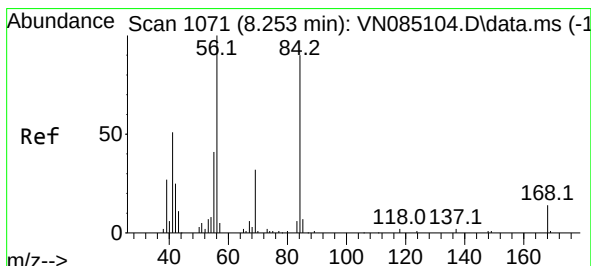
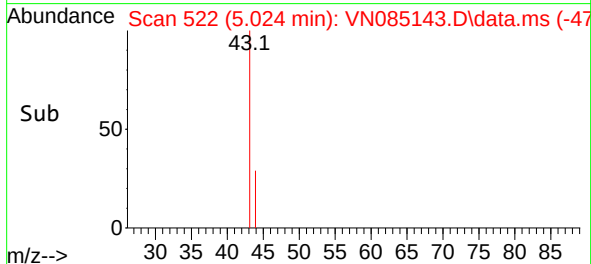
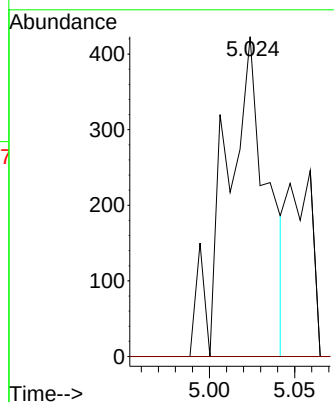
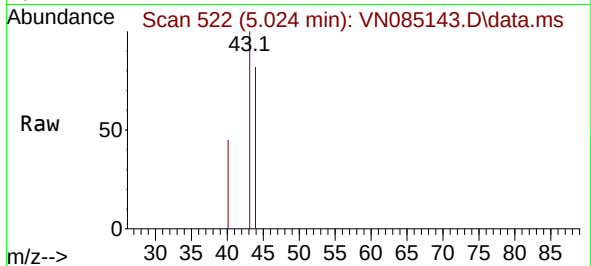




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

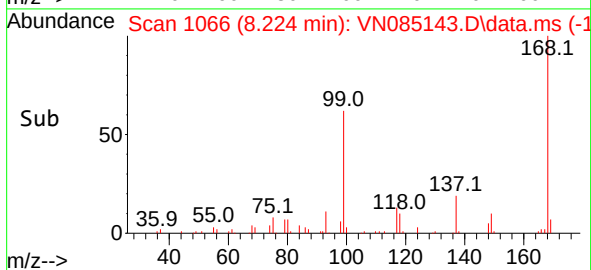
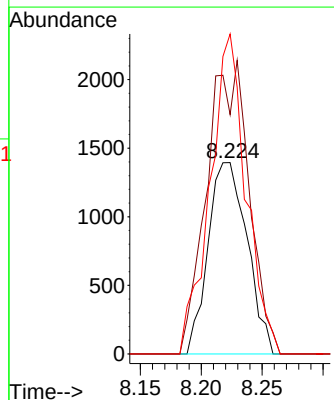
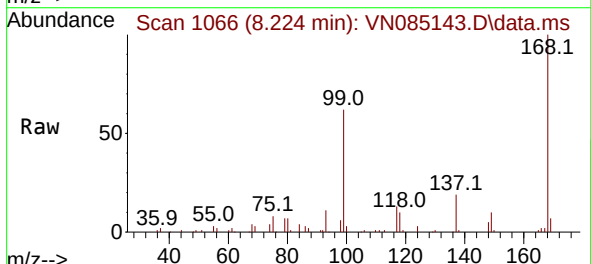
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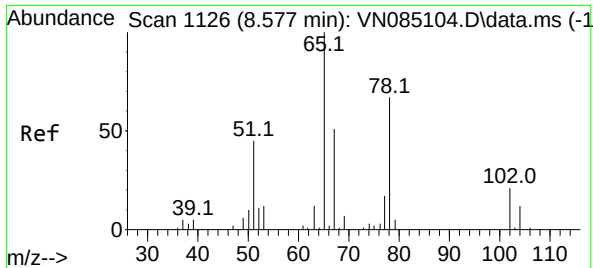
Tgt Ion: 43 Resp: 715
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#31
Cyclohexane
Concen: 1.222 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion: 56 Resp: 3099
Ion Ratio Lower Upper
56 100
69 125.1 24.6 36.8#
84 167.2 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 51.377 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085143.D

Acq: 09 Dec 2024 11:11

Instrument :

MSVOA_N

ClientSampleId :

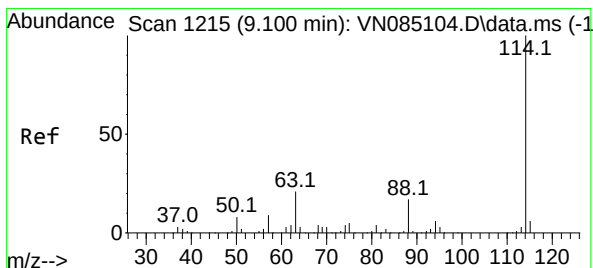
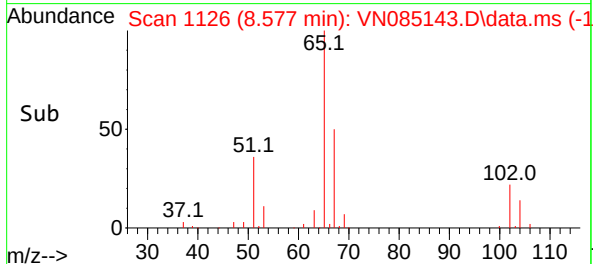
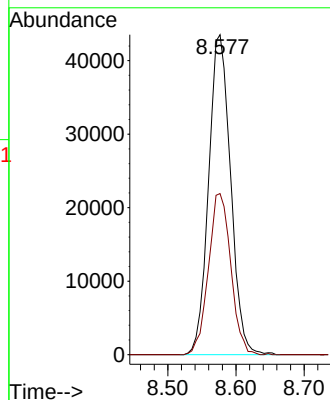
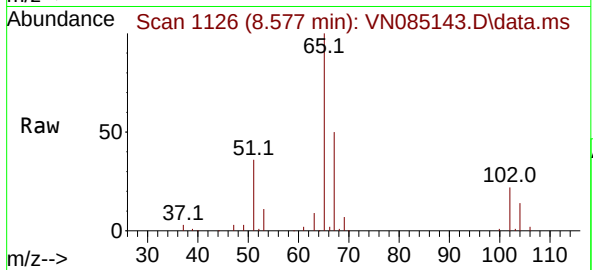
VN1209WBL01

Tgt Ion: 65 Resp: 97776

Ion Ratio Lower Upper

65 100

67 51.1 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: VN085143.D

Acq: 09 Dec 2024 11:11

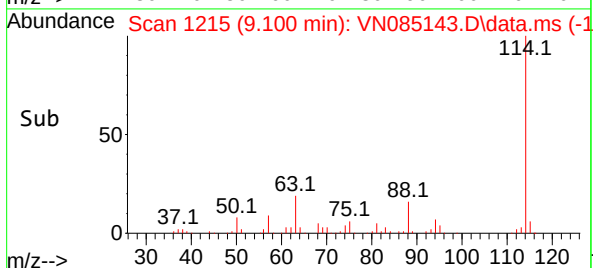
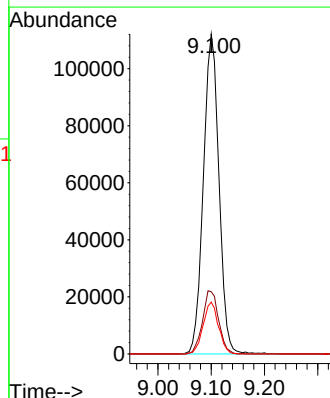
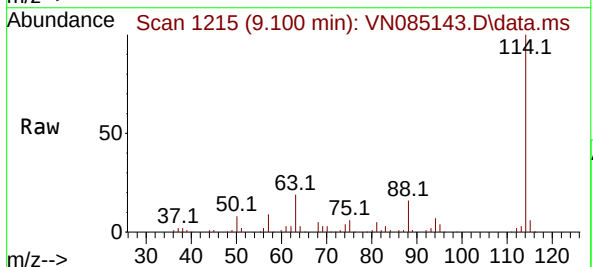
Tgt Ion: 114 Resp: 227682

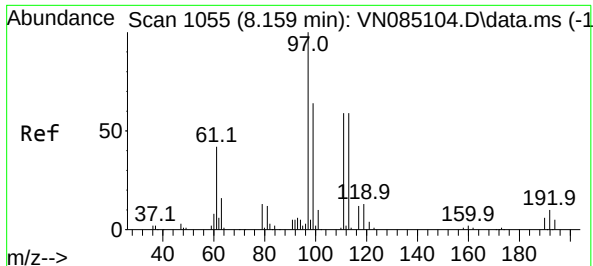
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.0

88 16.2 0.0 34.8

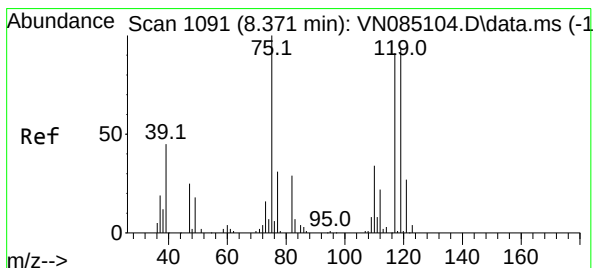
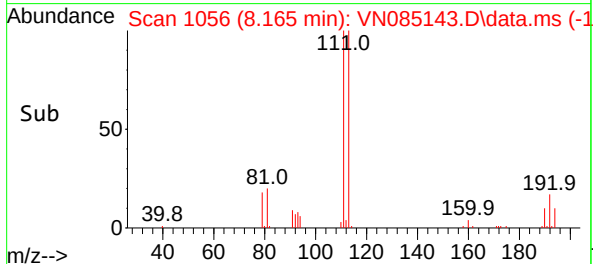
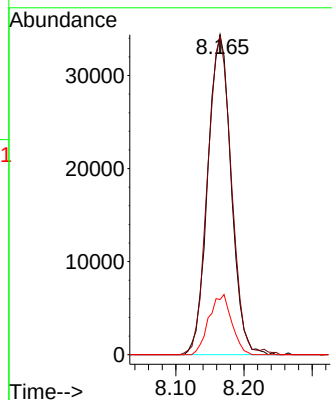
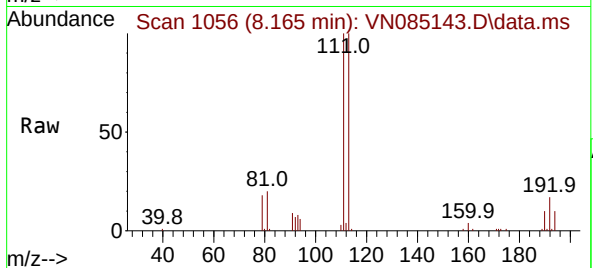




#35
Dibromofluoromethane
Concen: 53.422 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

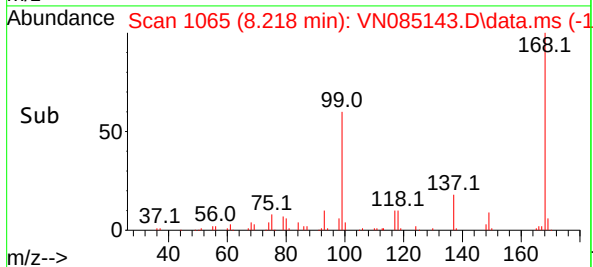
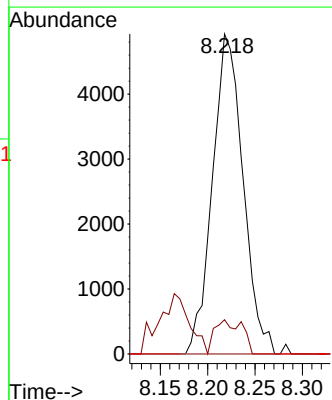
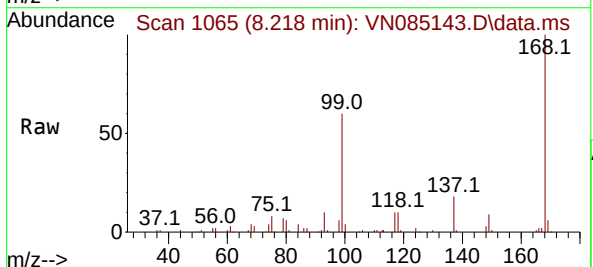
Instrument :
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VN1209WBL01

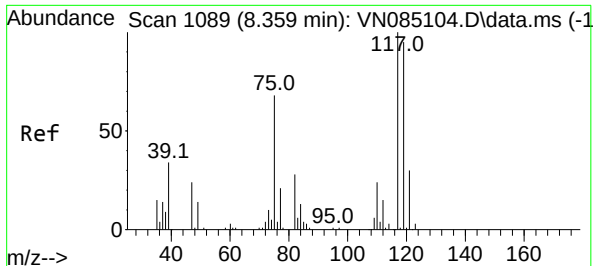
Tgt Ion:113 Resp: 82024
Ion Ratio Lower Upper
113 100
111 101.5 82.0 123.0
192 18.3 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.313 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

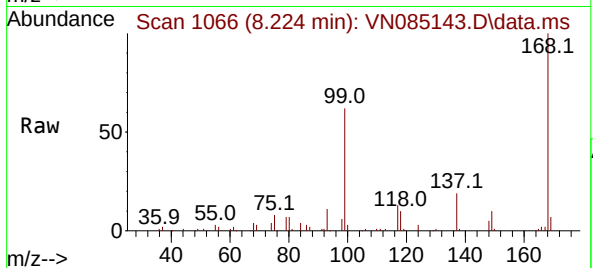
Tgt Ion: 75 Resp: 11050
Ion Ratio Lower Upper
75 100
110 9.5 17.2 51.6#
77 0.0 24.2 36.4#



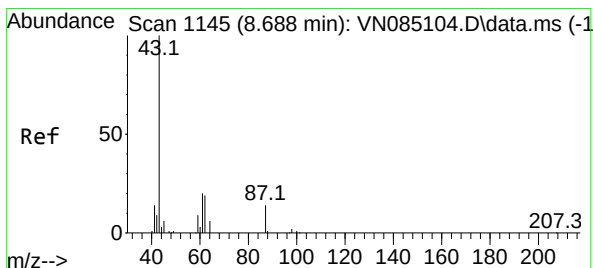
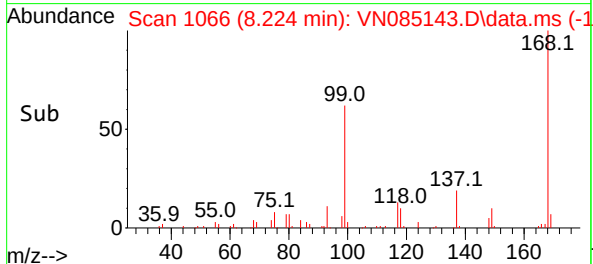
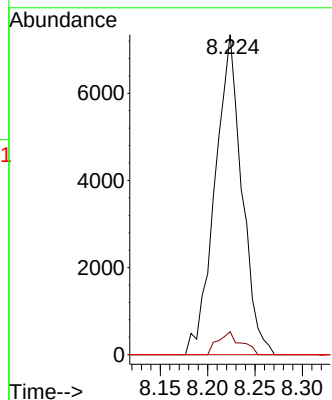


#38
Carbon Tetrachloride
Concen: 6.054 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.130 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

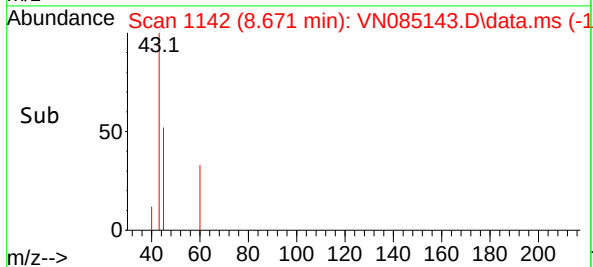
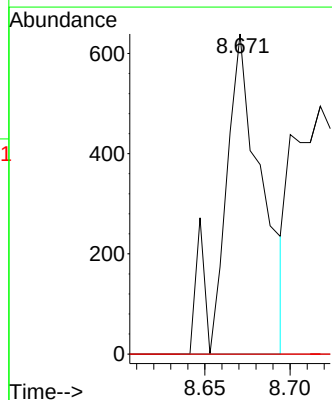
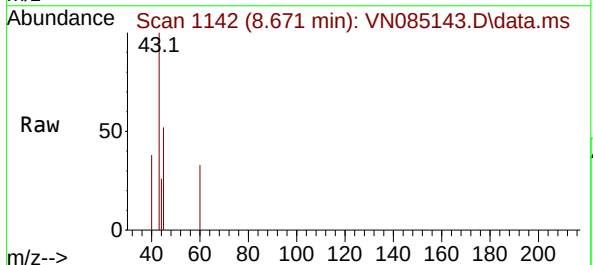


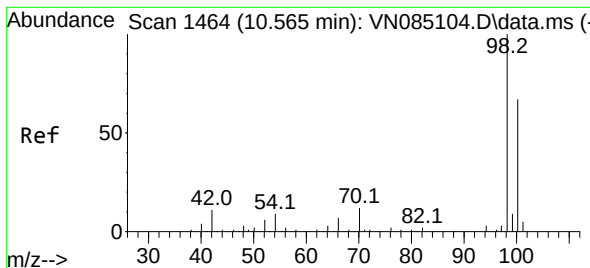
Tgt Ion:117 Resp: 14534
Ion Ratio Lower Upper
117 100
119 7.2 78.6 117.8#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.252 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.012 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion: 43 Resp: 989
Ion Ratio Lower Upper
43 100
61 0.0 20.6 30.8#
87 0.0 11.0 16.4#

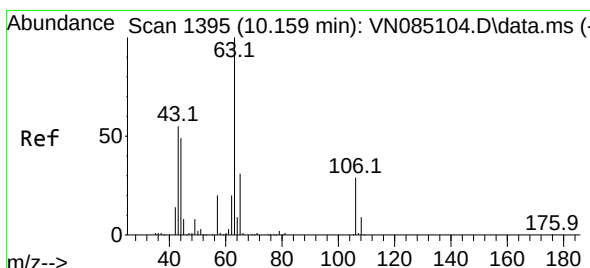
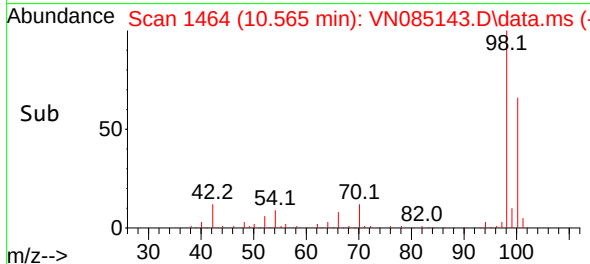
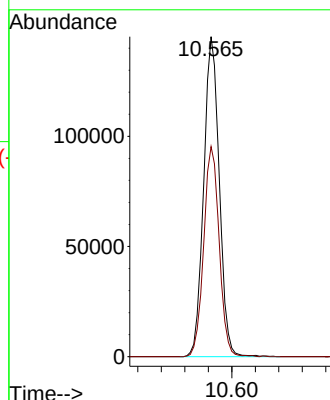
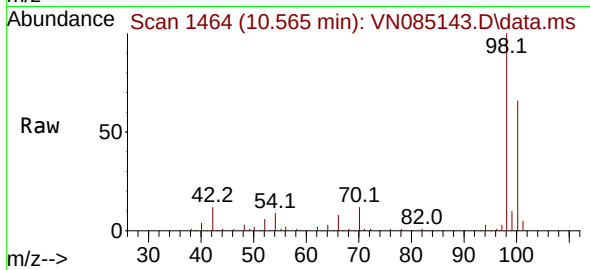




#50
Toluene-d8
Concen: 48.629 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

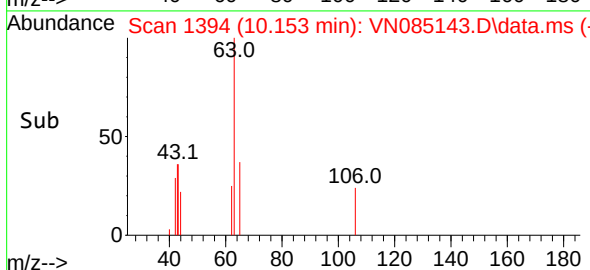
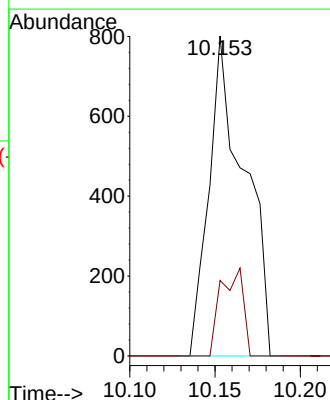
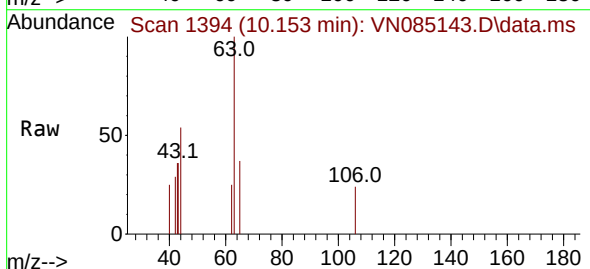
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

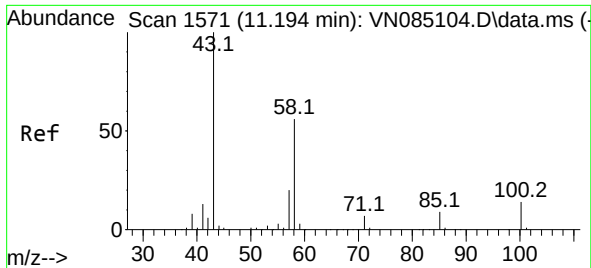
Tgt Ion: 98 Resp: 267585
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#58
2-Chloroethyl Vinyl ether
Concen: 1.111 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion: 63 Resp: 1155
Ion Ratio Lower Upper
63 100
106 17.5 23.0 34.6#

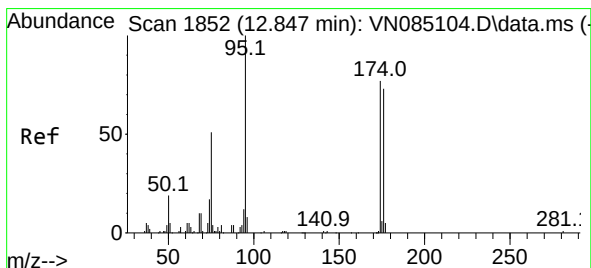
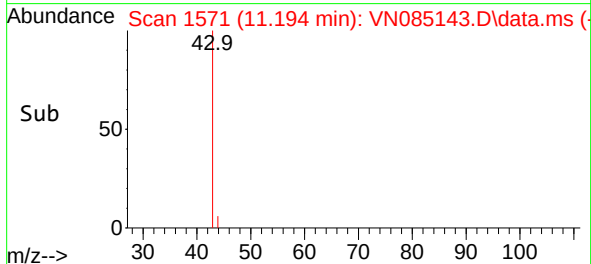
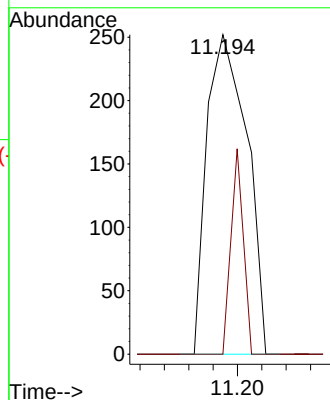
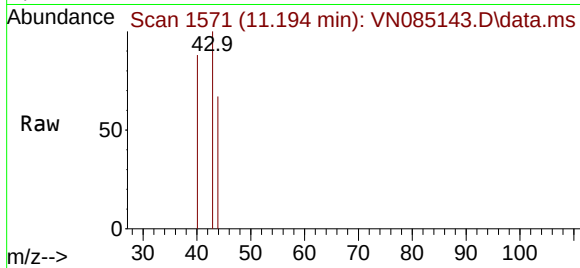




#59
2-Hexanone
Concen: 0.215 ug/l
RT: 11.194 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

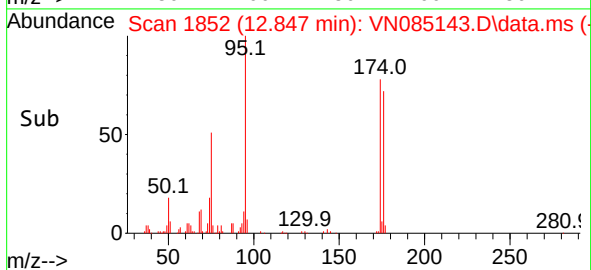
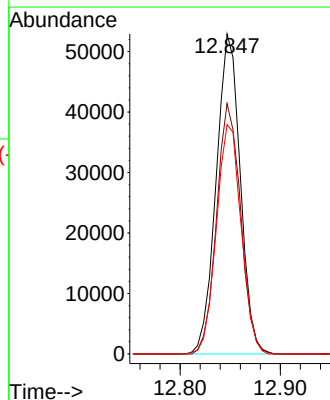
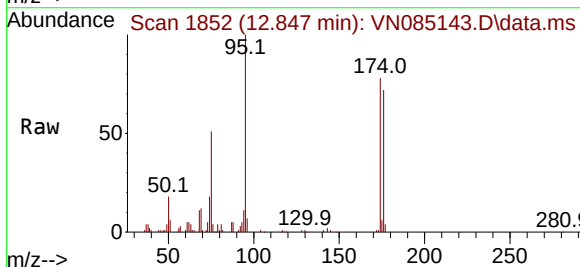
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

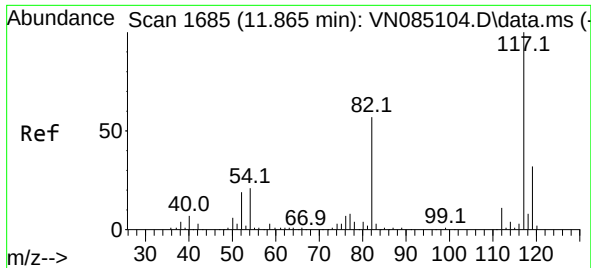
Tgt Ion: 43 Resp: 288
Ion Ratio Lower Upper
43 100
58 19.8 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 42.837 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion: 95 Resp: 88149
Ion Ratio Lower Upper
95 100
174 77.9 0.0 146.6
176 74.0 0.0 141.8

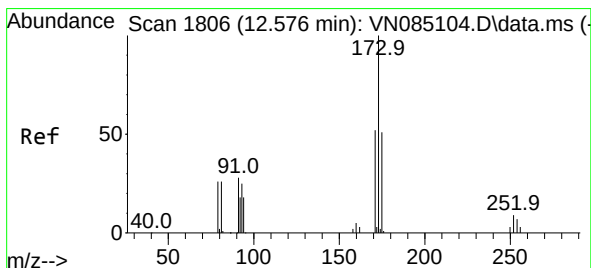
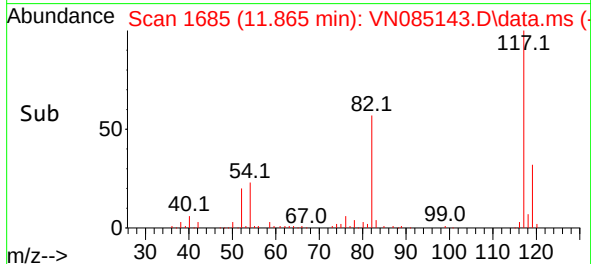
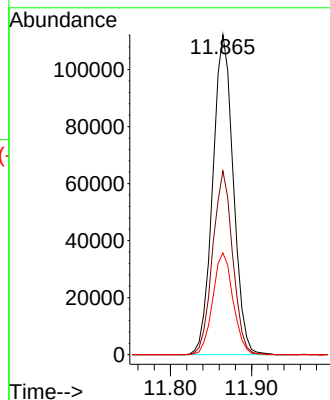
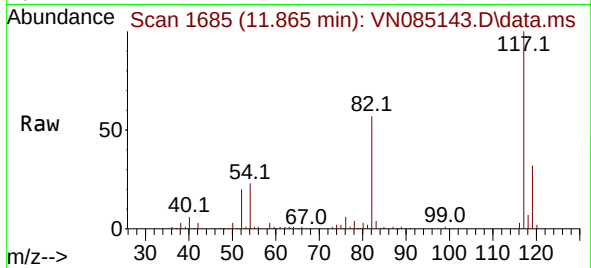




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

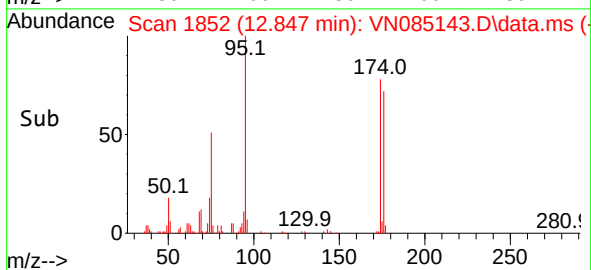
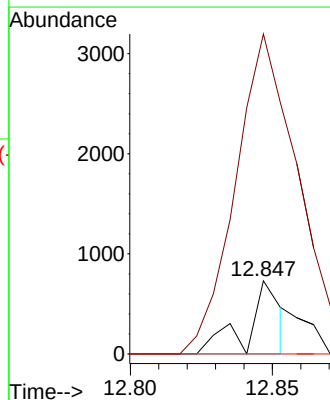
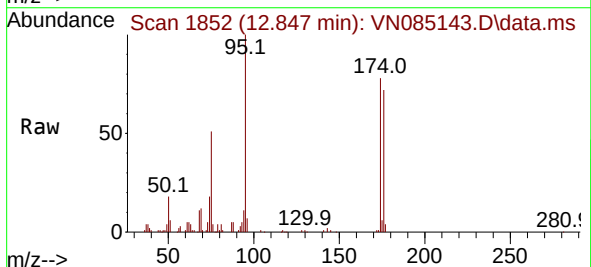
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

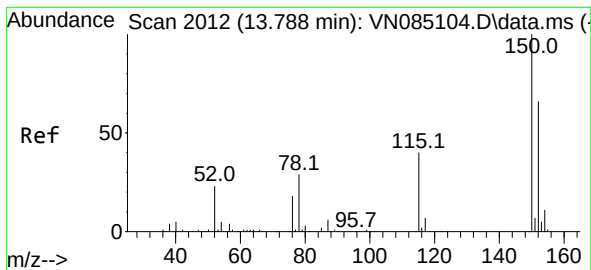
Tgt Ion:117 Resp: 197276
Ion Ratio Lower Upper
117 100
82 57.4 46.0 69.0
119 31.8 25.6 38.4



#71
Bromoform
Concen: 0.510 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion:173 Resp: 596
Ion Ratio Lower Upper
173 100
175 609.7 23.8 71.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085143.D

Acq: 09 Dec 2024 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBL01

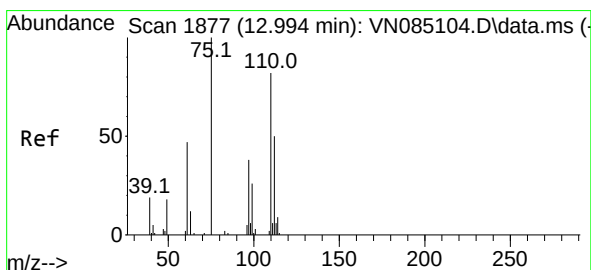
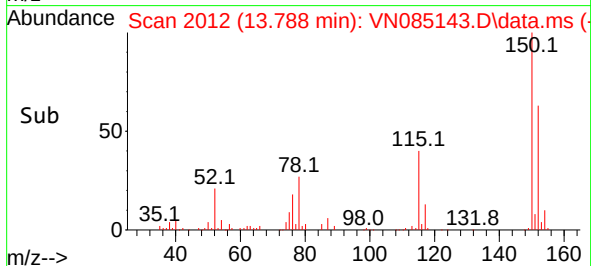
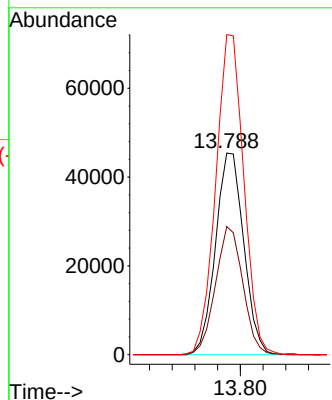
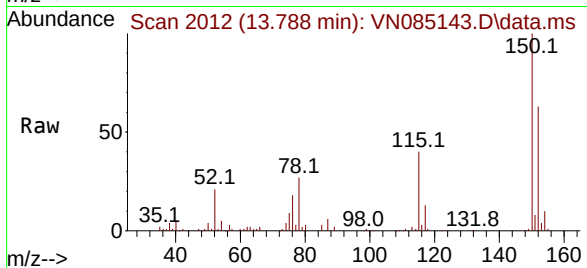
Tgt Ion:152 Resp: 78404

Ion Ratio Lower Upper

152 100

115 61.7 31.7 95.1

150 157.6 0.0 351.4



#76

1,2,3-Trichloropropane

Concen: 32.894 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN085143.D

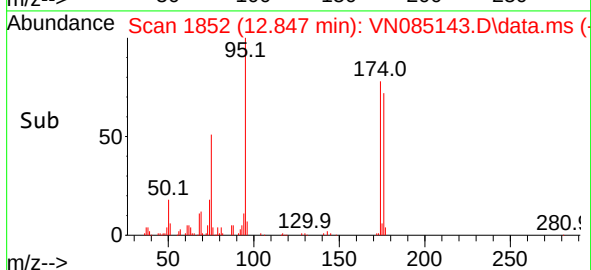
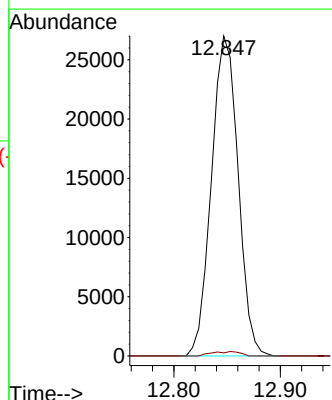
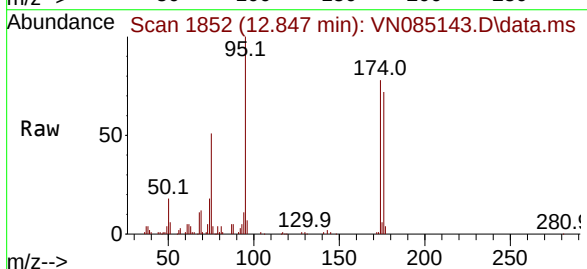
Acq: 09 Dec 2024 11:11

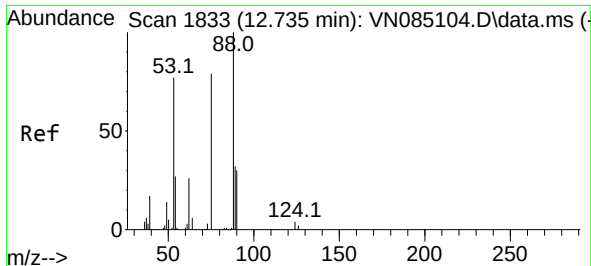
Tgt Ion: 75 Resp: 46910

Ion Ratio Lower Upper

75 100

77 1.5 109.1 327.4#

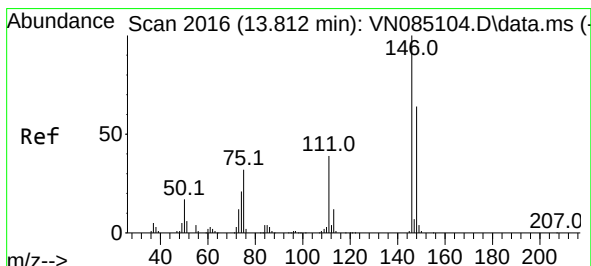
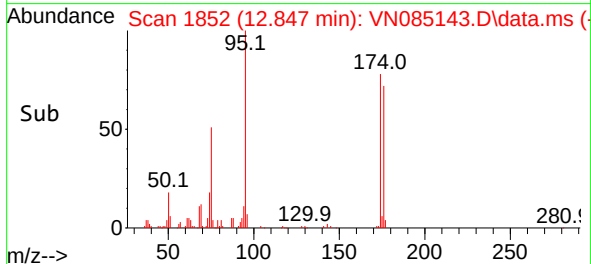
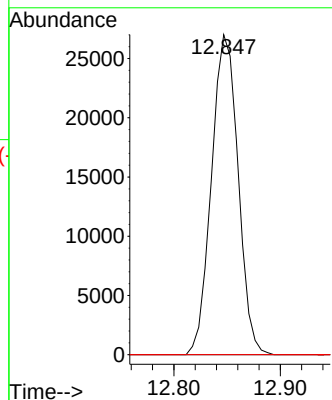
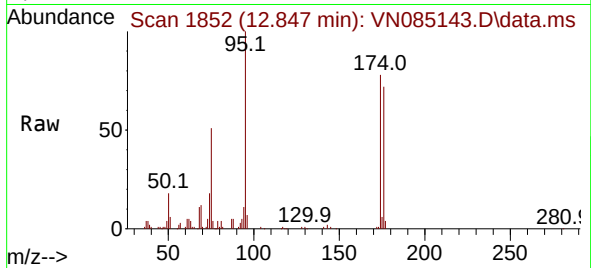




#81
trans-1,4-Dichloro-2-butene
Concen: 72.615 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

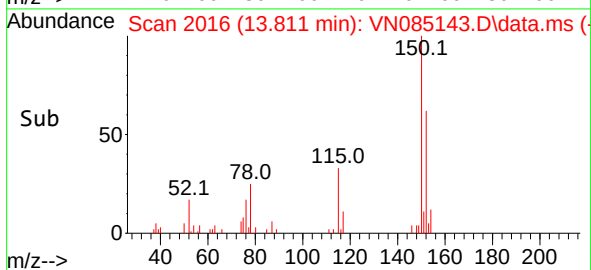
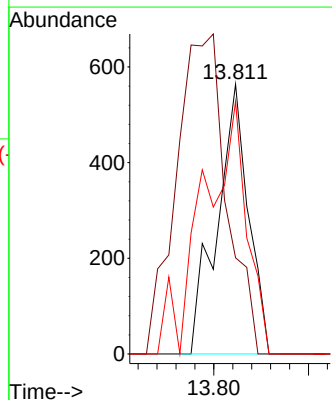
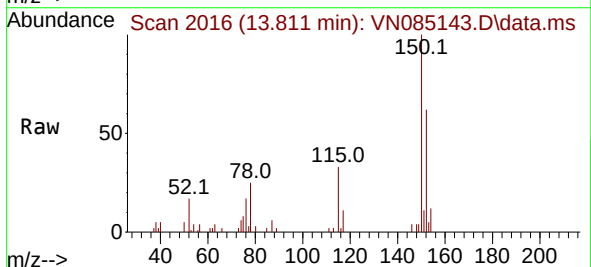
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

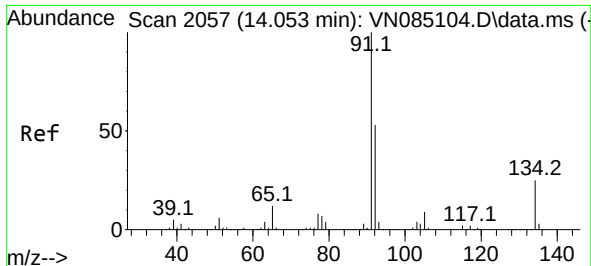
Tgt Ion: 75 Resp: 46910
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: 0.217 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion: 146 Resp: 649
Ion Ratio Lower Upper
146 100
111 190.1 20.9 62.8#
148 130.2 31.3 93.9#

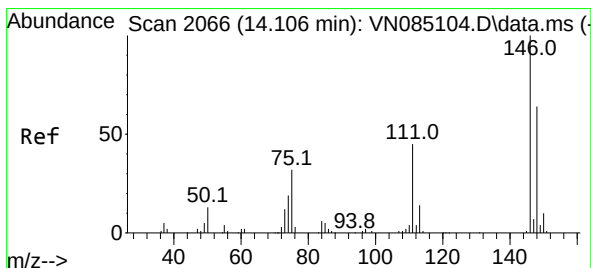
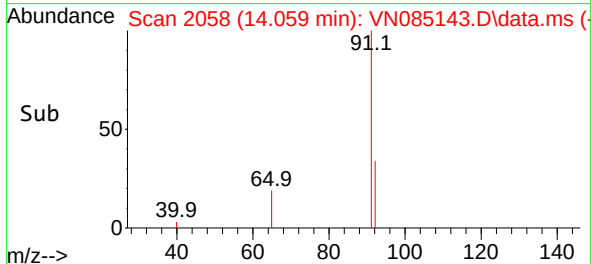
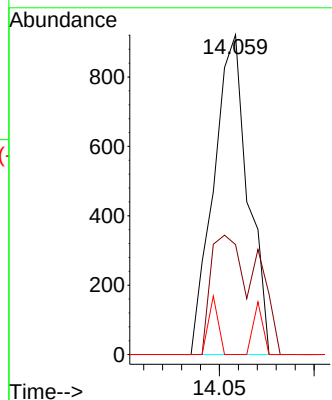
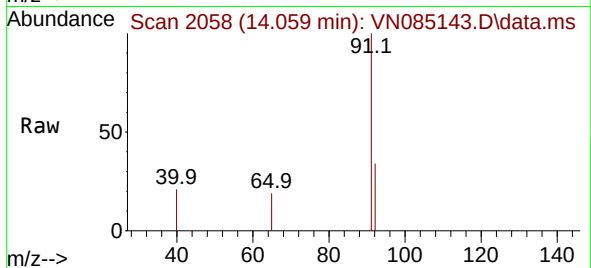




#89
n-Butylbenzene
Concen: 0.280 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

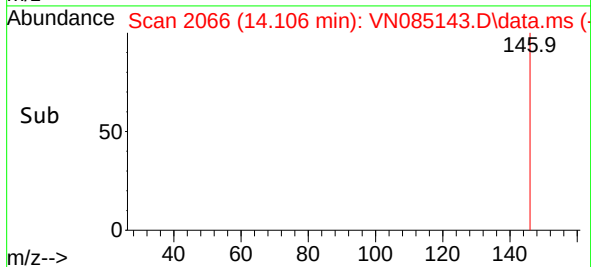
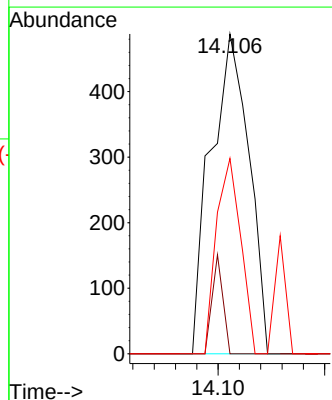
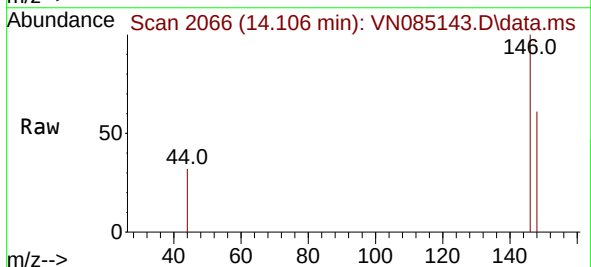
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

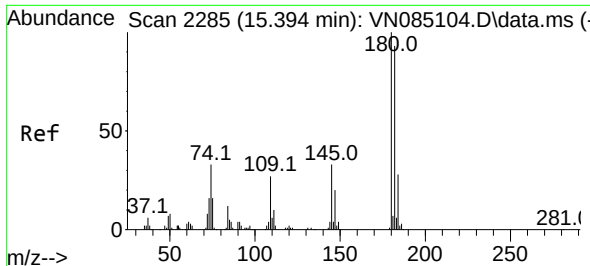
Tgt Ion: 91 Resp: 1160
Ion Ratio Lower Upper
91 100
92 49.2 26.8 80.3
134 5.2 12.8 38.4#



#91
1,2-Dichlorobenzene
Concen: 0.216 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion:146 Resp: 609
Ion Ratio Lower Upper
146 100
111 8.7 21.9 65.8#
148 38.9 31.1 93.2

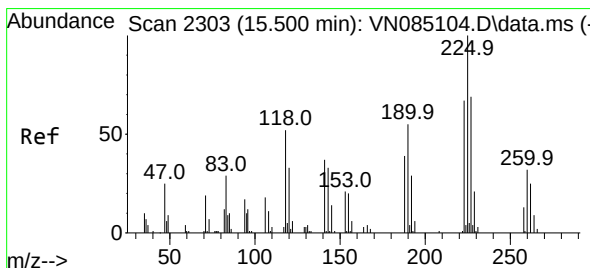
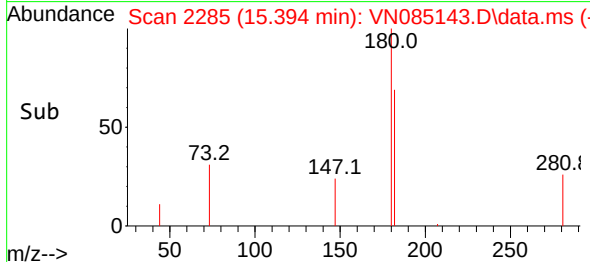
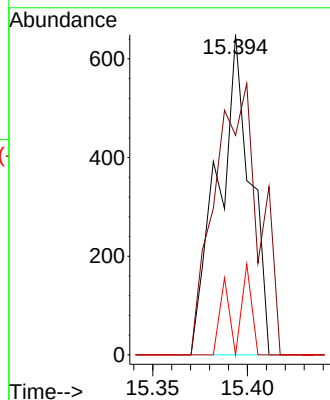
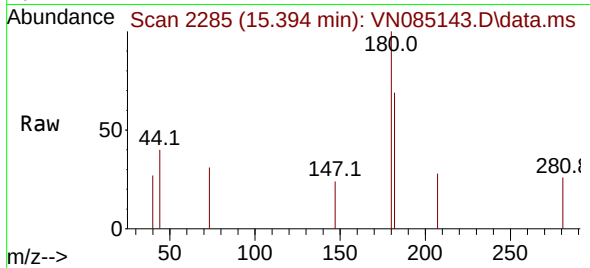




#93
 1,2,4-Trichlorobenzene
 Concen: 0.508 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. 0.006 min
 Lab File: VN085143.D
 Acq: 09 Dec 2024 11:11

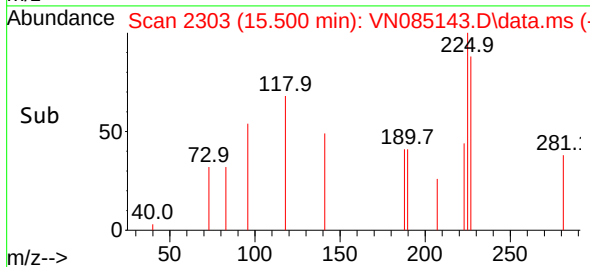
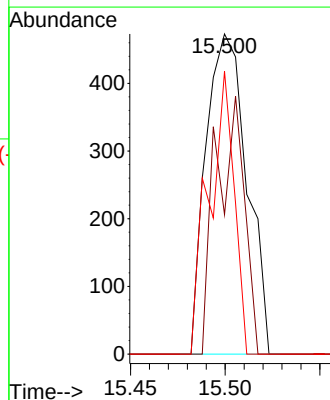
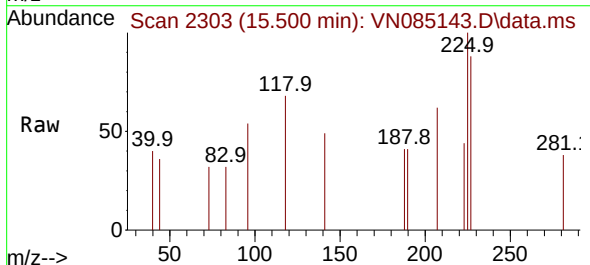
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBL01

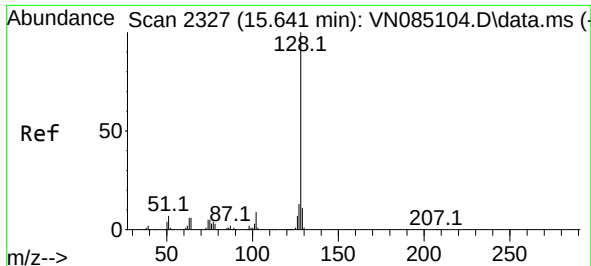
Tgt Ion:180 Resp: 777
 Ion Ratio Lower Upper
 180 100
 182 114.8 46.9 140.8
 145 7.1 16.3 48.8#



#94
 Hexachlorobutadiene
 Concen: 1.009 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. -0.000 min
 Lab File: VN085143.D
 Acq: 09 Dec 2024 11:11

Tgt Ion:225 Resp: 712
 Ion Ratio Lower Upper
 225 100
 223 55.3 30.9 92.8
 227 54.6 31.5 94.5

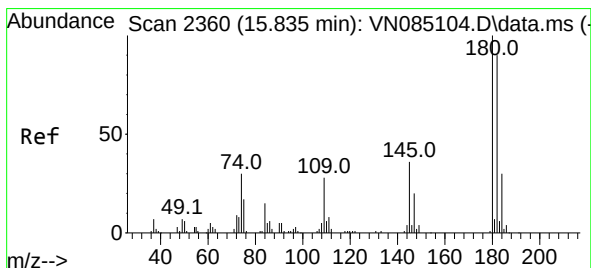
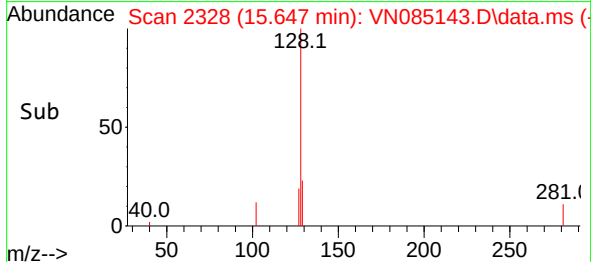
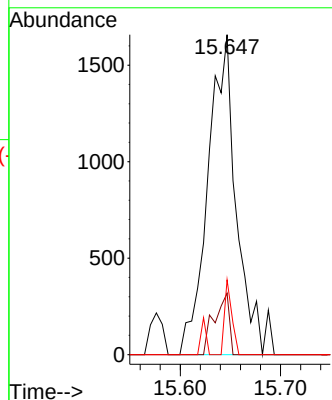
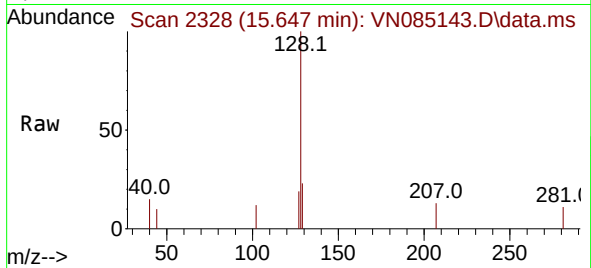




#95
Naphthalene
Concen: 0.759 ug/l
RT: 15.647 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

Tgt Ion:128 Resp: 3304
Ion Ratio Lower Upper
128 100
127 10.0 10.6 16.0#
129 5.9 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.724 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.012 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion:180 Resp: 1056
Ion Ratio Lower Upper
180 100
182 97.9 46.4 139.2
145 14.2 17.3 52.0#

