

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010925\
 Data File : VN085412.D
 Acq On : 09 Jan 2025 16:27
 Operator : JC\MD
 Sample : Q1025-01ME
 Misc : 4.99g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 10 00:24:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:36:16 2024
 Response via : Initial Calibration

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

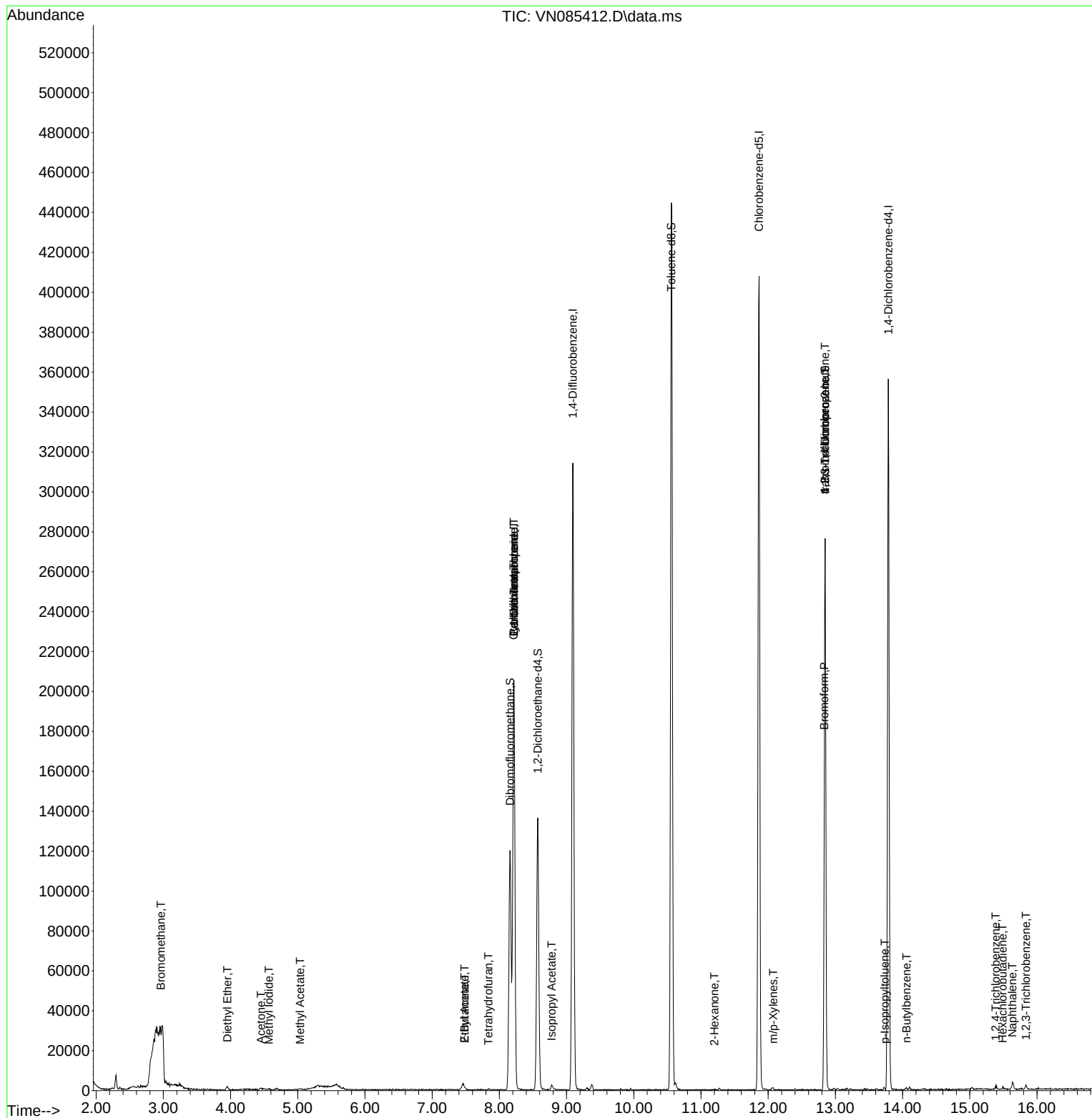
Internal Standards						
1) Pentafluorobenzene	8.218	168	141304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	259943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	215785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	89132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	110796	54.975	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.940%			
35) Dibromofluoromethane	8.159	113	84819	52.304	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.600%			
50) Toluene-d8	10.559	98	302173	50.779	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.560%			
62) 4-Bromofluorobenzene	12.847	95	89674	45.374	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.740%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	314	0.211	ug/l #	61
8) Diethyl Ether	3.953	74	888	0.898	ug/l	98
10) Methyl Iodide	4.571	142	866	0.440	ug/l #	40
16) Acetone	4.453	43	615	0.928	ug/l #	44
18) Methyl Acetate	5.036	43	941	0.464	ug/l #	52
25) 2-Butanone	7.483	43	629	0.612	ug/l #	51
29) Tetrahydrofuran	7.835	42	411	0.621	ug/l #	33
31) Cyclohexane	8.212	56	3967	1.332	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	12926	5.444	ug/l #	50
37) Ethyl Acetate	7.483	43	629	0.267	ug/l #	81
38) Carbon Tetrachloride	8.218	117	15672	6.055	ug/l #	15
43) Isopropyl Acetate	8.777	43	1613	0.415	ug/l #	55
59) 2-Hexanone	11.200	43	503	0.332	ug/l #	45
68) m/p-Xylenes	12.076	106	607	0.214	ug/l	98
71) Bromoform	12.835	173	272	0.251	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	50419	30.292	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	50419	72.544	ug/l #	10
86) p-Isopropyltoluene	13.735	119	459	0.279	ug/l #	65
89) n-Butylbenzene	14.059	91	1179	0.258	ug/l #	72
93) 1,2,4-Trichlorobenzene	15.388	180	581	0.425	ug/l	59
94) Hexachlorobutadiene	15.488	225	147	0.216	ug/l #	19
95) Naphthalene	15.635	128	4355	0.938	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.835	180	1003	0.733	ug/l #	49

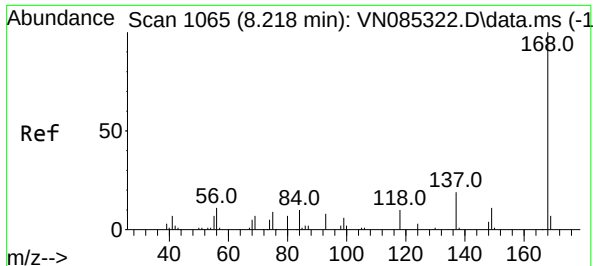
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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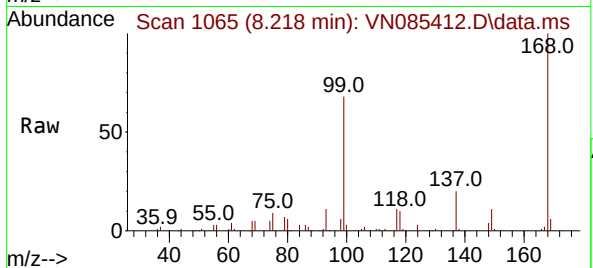
Quant Time: Jan 10 00:24:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
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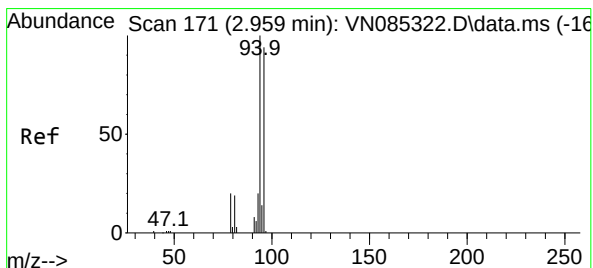
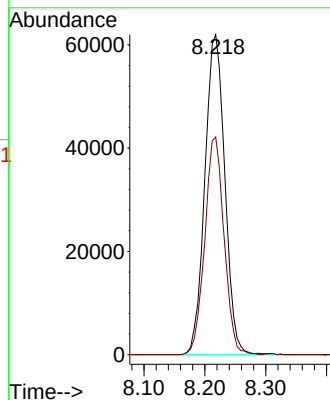
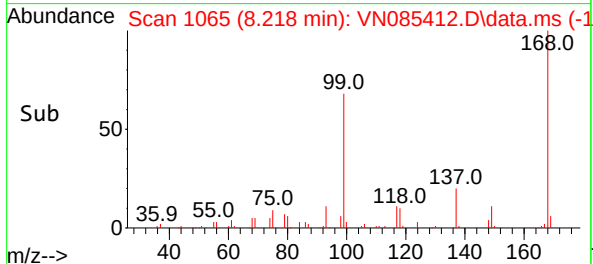


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

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MSVOA_N
ClientSampleId :

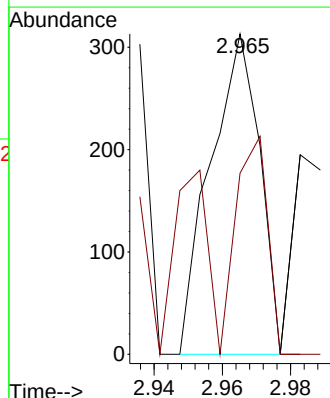
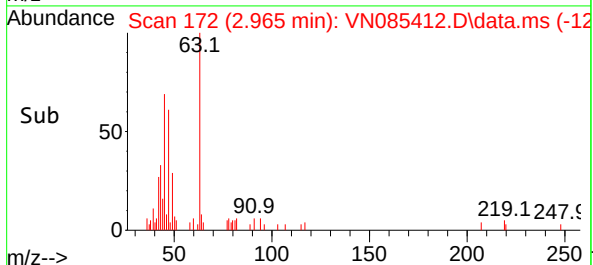
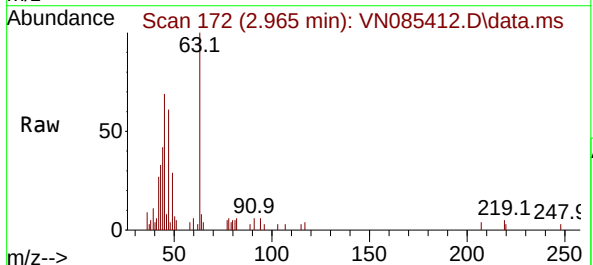


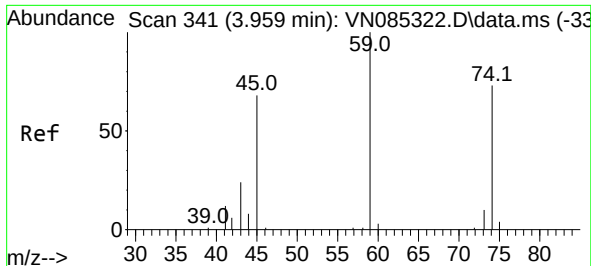
Tgt Ion:168 Resp: 141304
Ion Ratio Lower Upper
168 100
99 68.0 51.0 76.4



#5
Bromomethane
Concen: 0.211 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.006 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

Tgt Ion: 94 Resp: 314
Ion Ratio Lower Upper
94 100
96 56.5 75.2 112.8#





#8

Diethyl Ether

Concen: 0.898 ug/l

RT: 3.953 min Scan# 341

Delta R.T. -0.006 min

Lab File: VN085412.D

Acq: 09 Jan 2025 16:27

Instrument :

MSVOA_N

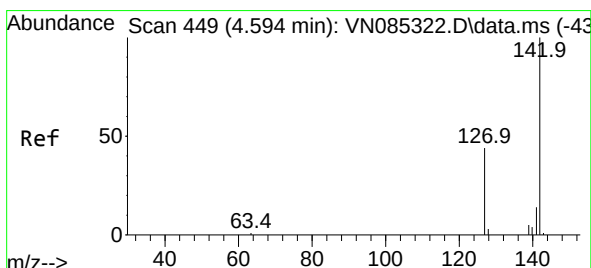
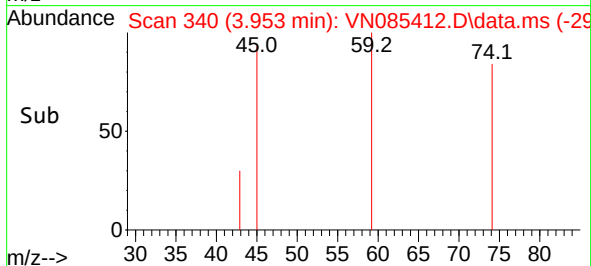
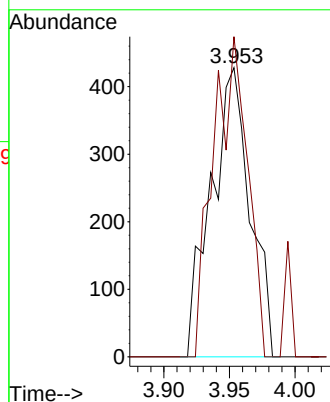
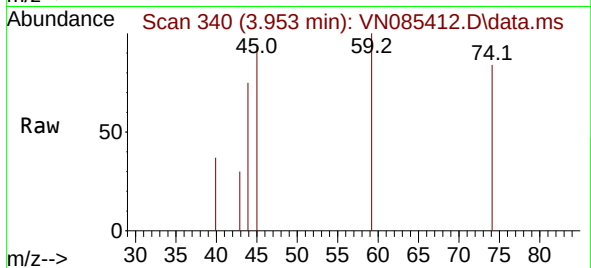
ClientSampleId :

Tgt Ion: 74 Resp: 888

Ion Ratio Lower Upper

74 100

45 97.3 47.5 142.6



#10

Methyl Iodide

Concen: 0.440 ug/l

RT: 4.571 min Scan# 445

Delta R.T. -0.023 min

Lab File: VN085412.D

Acq: 09 Jan 2025 16:27

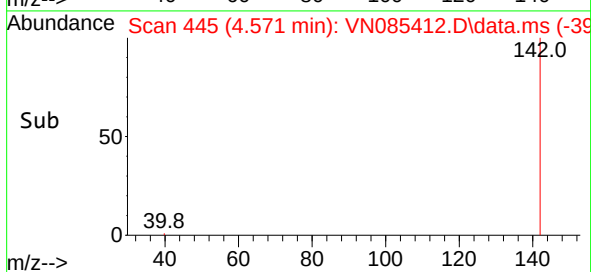
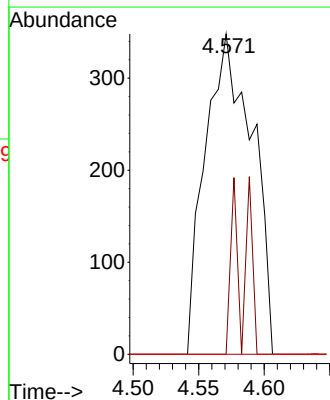
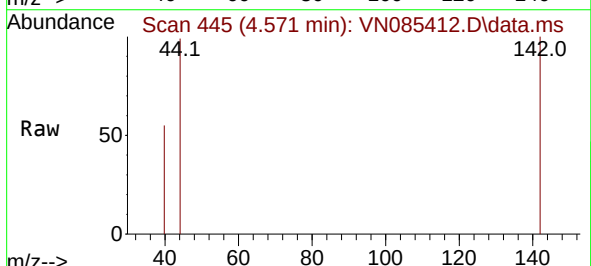
Tgt Ion: 142 Resp: 866

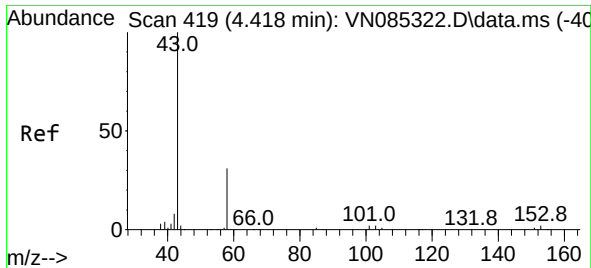
Ion Ratio Lower Upper

142 100

127 0.0 35.3 52.9#

141 0.0 11.5 17.3#

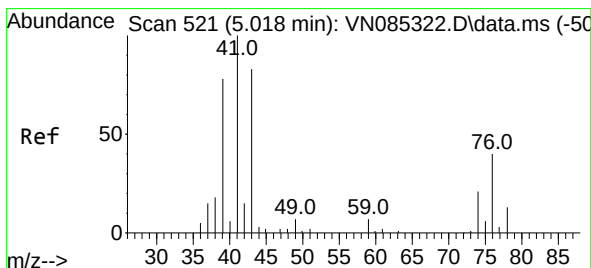
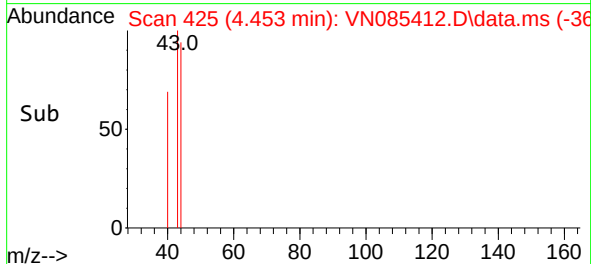
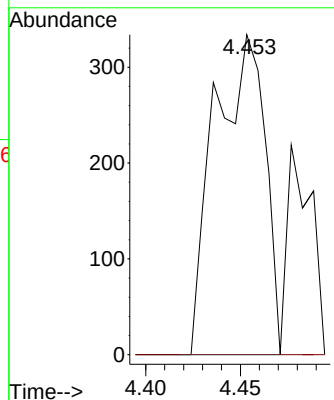
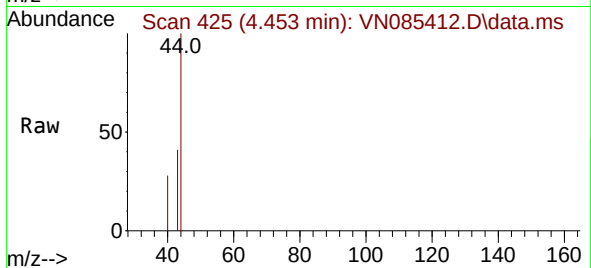




#16
Acetone
Concen: 0.928 ug/l
RT: 4.453 min Scan# 419
Delta R.T. 0.035 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

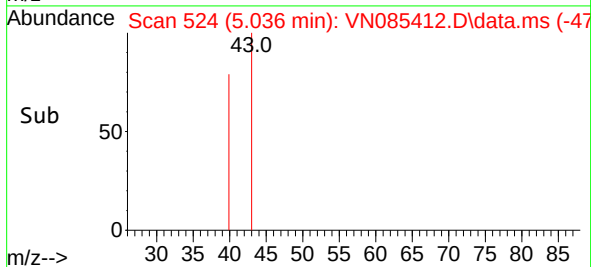
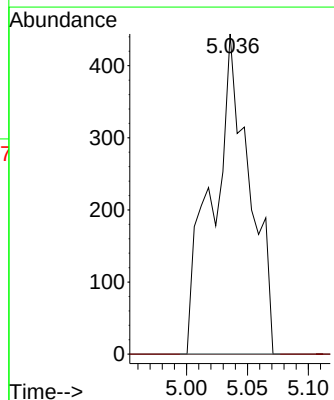
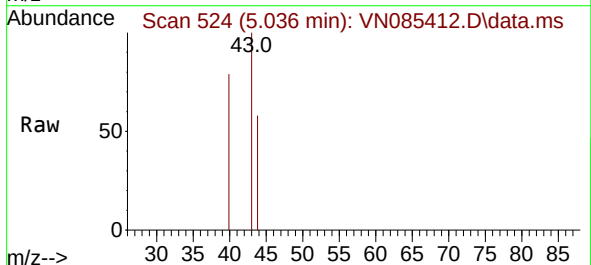
Instrument :
MSVOA_N
ClientSampleId :

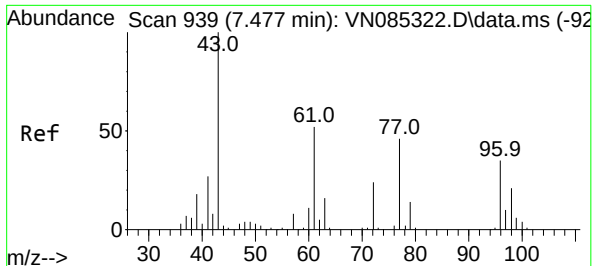
Tgt Ion: 43 Resp: 615
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



#18
Methyl Acetate
Concen: 0.464 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

Tgt Ion: 43 Resp: 941
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#

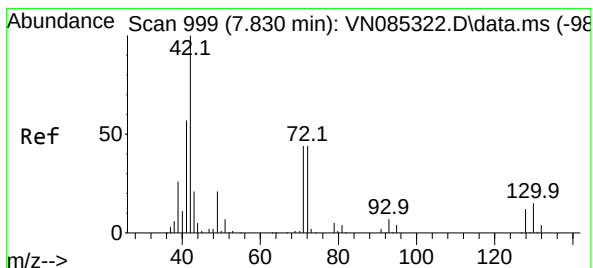
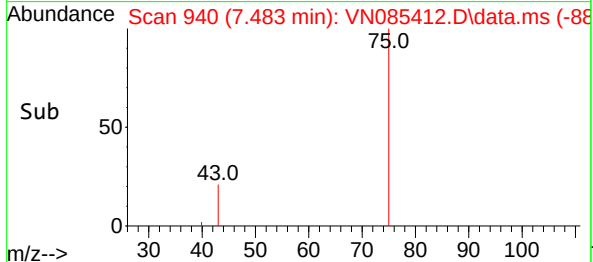
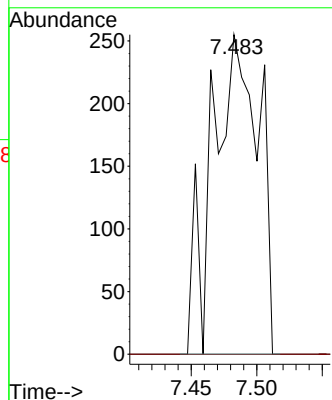
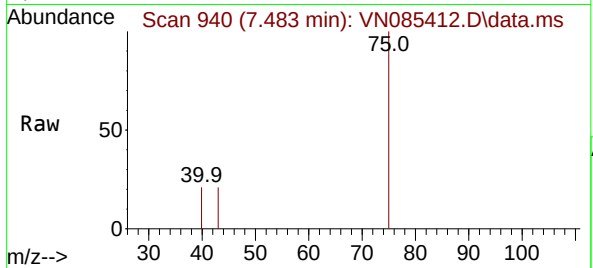




#25
2-Butanone
Concen: 0.612 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

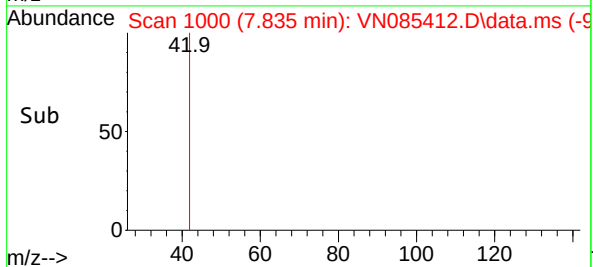
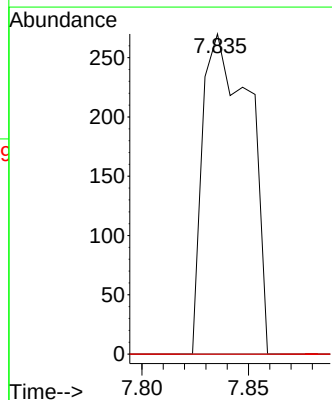
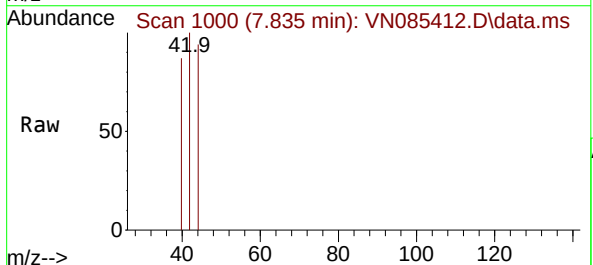
Instrument :
MSVOA_N
ClientSampleId :

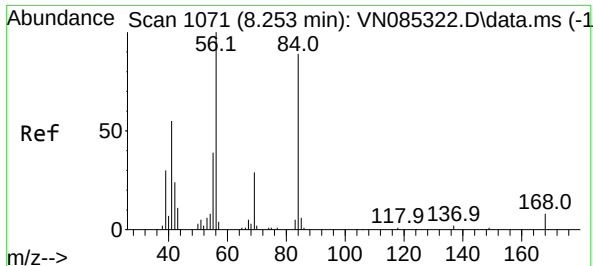
Tgt Ion: 43 Resp: 629
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#



#29
Tetrahydrofuran
Concen: 0.621 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.006 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

Tgt Ion: 42 Resp: 411
Ion Ratio Lower Upper
42 100
72 0.0 35.1 52.7#
71 0.0 33.4 50.0#





#31

Cyclohexane

Concen: 1.332 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.041 min

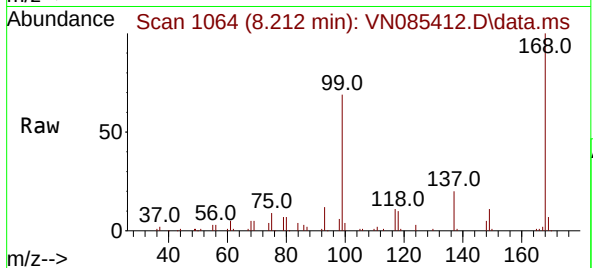
Lab File: VN085412.D

Acq: 09 Jan 2025 16:27

Instrument :

MSVOA_N

ClientSampleId :



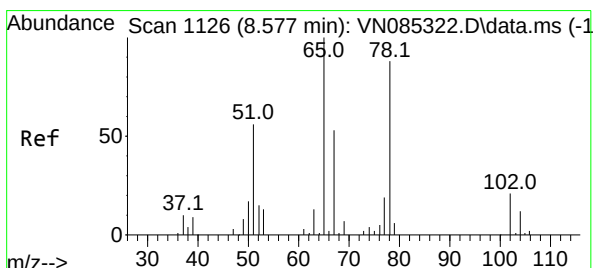
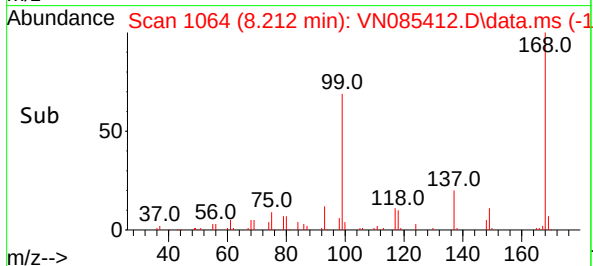
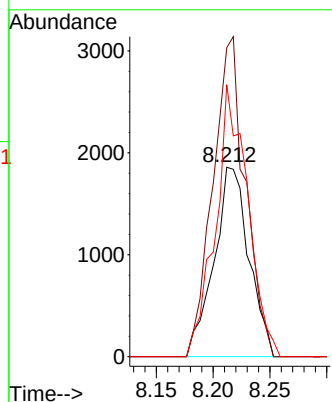
Tgt Ion: 56 Resp: 3967

Ion Ratio Lower Upper

56 100

69 163.2 23.4 35.0#

84 143.6 71.0 106.6#



#33

1,2-Dichloroethane-d4

Concen: 54.975 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN085412.D

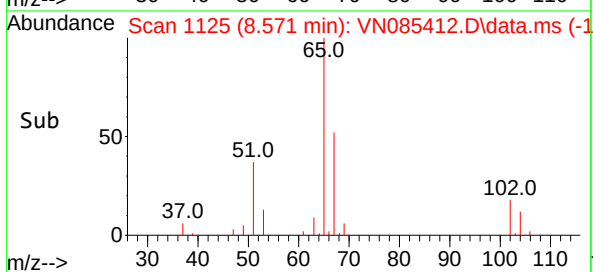
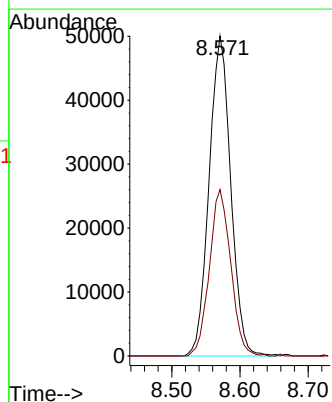
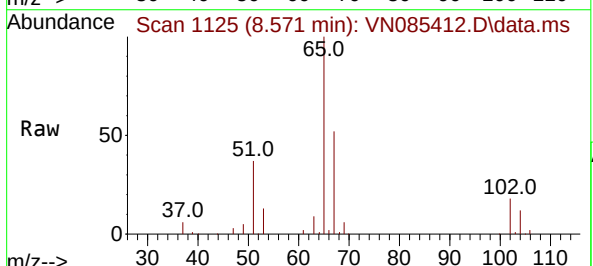
Acq: 09 Jan 2025 16:27

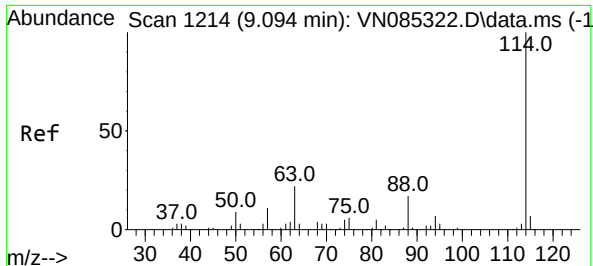
Tgt Ion: 65 Resp: 110796

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085412.D

Acq: 09 Jan 2025 16:27

Instrument :

MSVOA_N

ClientSampleId :

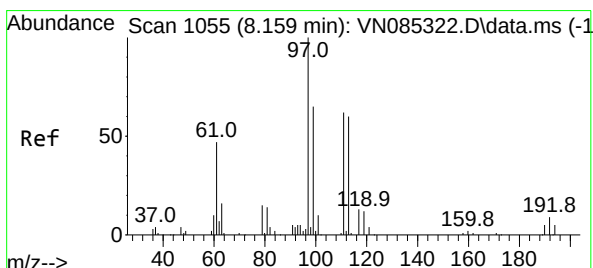
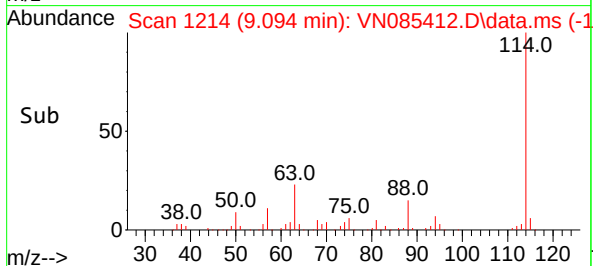
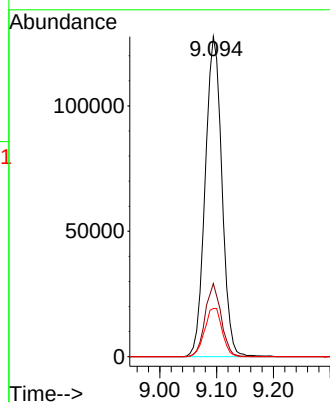
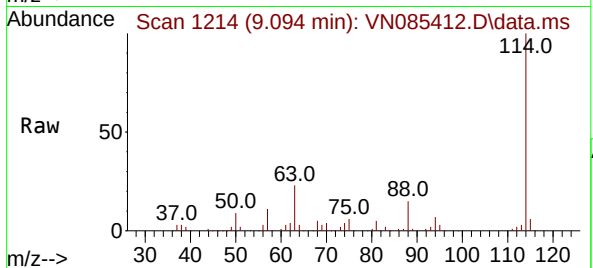
Tgt Ion:114 Resp: 259943

Ion Ratio Lower Upper

114 100

63 22.8 0.0 43.4

88 15.1 0.0 33.6



#35

Dibromofluoromethane

Concen: 52.304 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085412.D

Acq: 09 Jan 2025 16:27

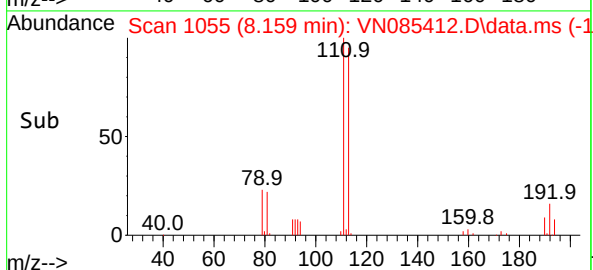
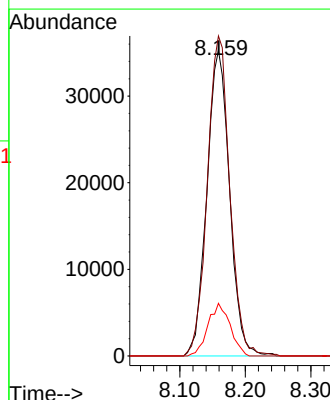
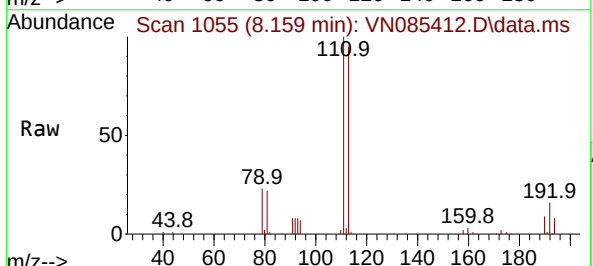
Tgt Ion:113 Resp: 84819

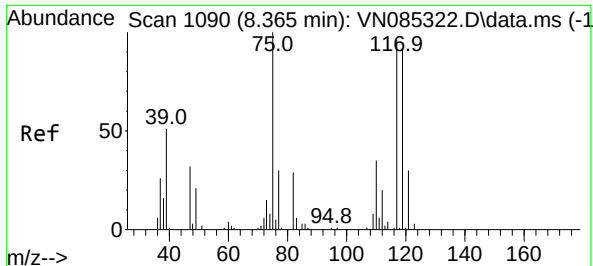
Ion Ratio Lower Upper

113 100

111 103.6 80.5 120.7

192 16.8 12.9 19.3





#36

1,1-Dichloropropene

Concen: 5.444 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN085412.D

Acq: 09 Jan 2025 16:27

Instrument :

MSVOA_N

ClientSampleId :

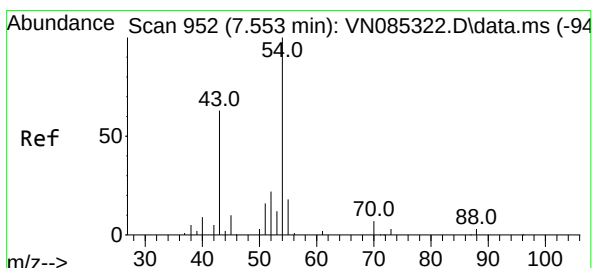
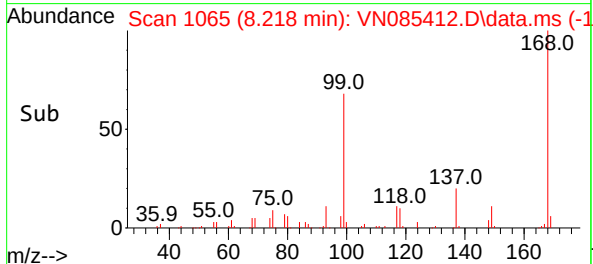
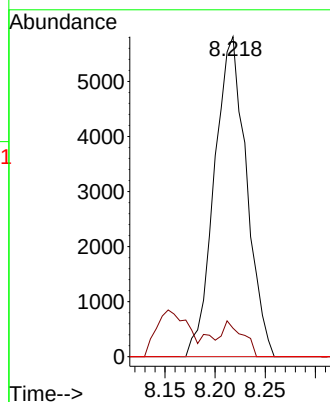
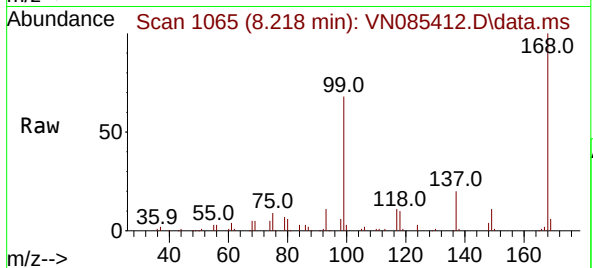
Tgt Ion: 75 Resp: 12926

Ion Ratio Lower Upper

75 100

110 7.3 16.6 49.8#

77 0.0 24.3 36.5#



#37

Ethyl Acetate

Concen: 0.267 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.071 min

Lab File: VN085412.D

Acq: 09 Jan 2025 16:27

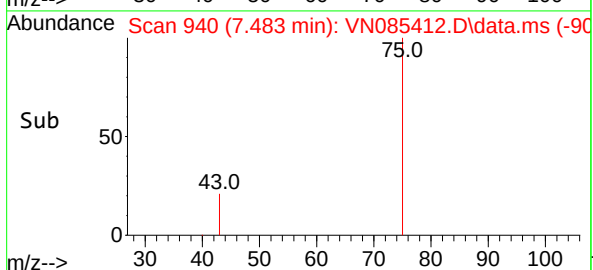
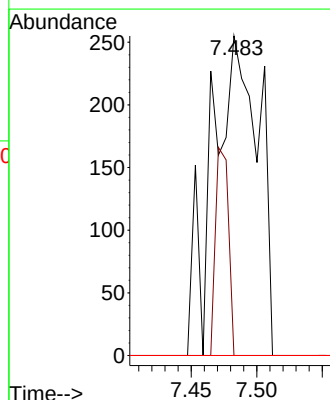
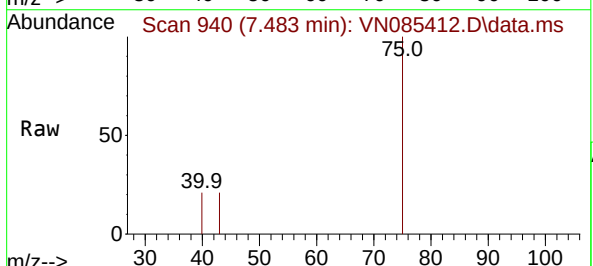
Tgt Ion: 43 Resp: 629

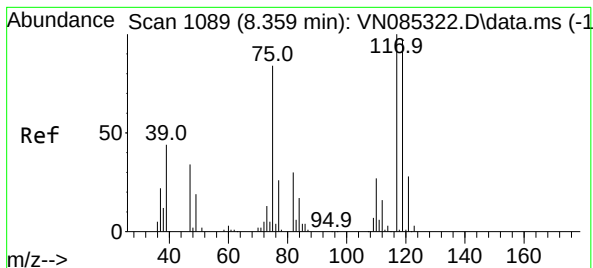
Ion Ratio Lower Upper

43 100

61 18.1 10.4 15.6#

70 0.0 8.2 12.2#





#38

Carbon Tetrachloride

Concen: 6.055 ug/l

RT: 8.218 min Scan# 1160

Delta R.T. -0.141 min

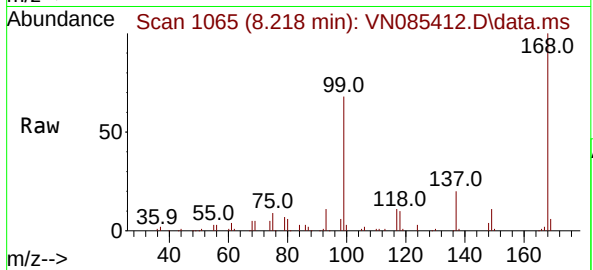
Lab File: VN085412.D

Acq: 09 Jan 2025 16:27

Instrument :

MSVOA_N

ClientSampleId :



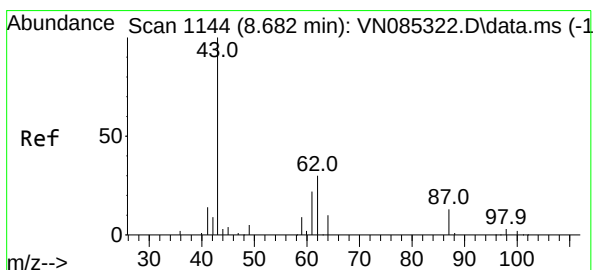
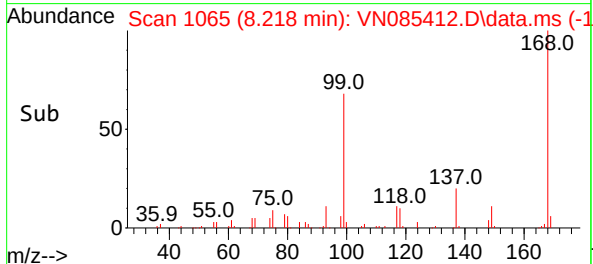
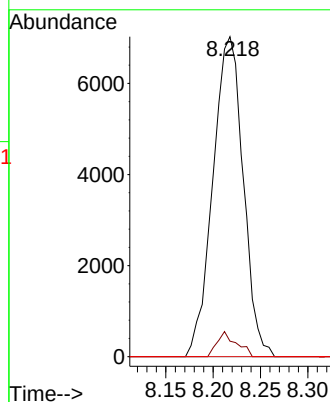
Tgt Ion:117 Resp: 15672

Ion Ratio Lower Upper

117 100

119 4.9 77.8 116.6#

121 0.0 22.5 33.7#



#43

Isopropyl Acetate

Concen: 0.415 ug/l

RT: 8.777 min Scan# 1160

Delta R.T. 0.094 min

Lab File: VN085412.D

Acq: 09 Jan 2025 16:27

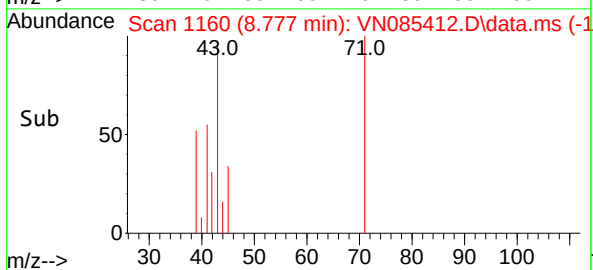
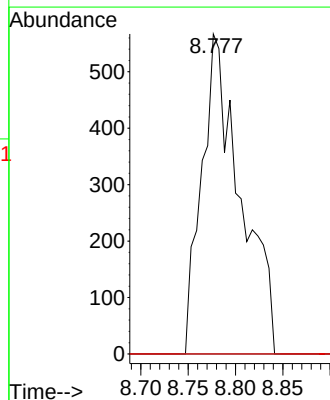
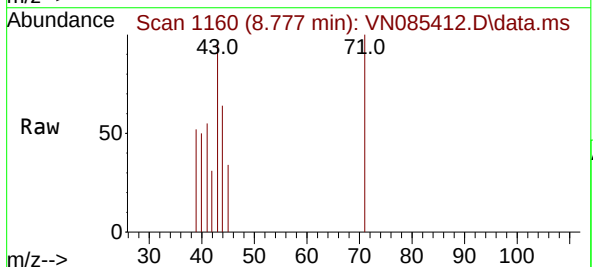
Tgt Ion: 43 Resp: 1613

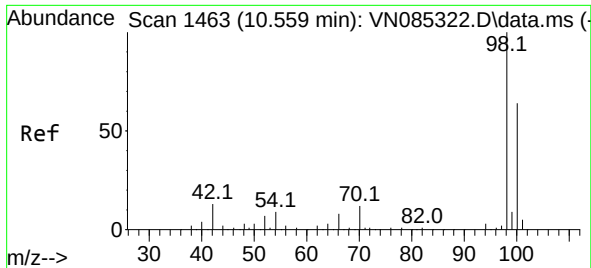
Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

87 0.0 10.2 15.4#

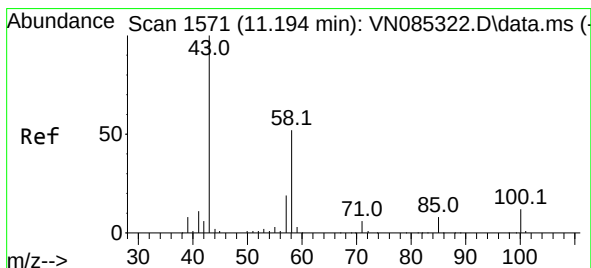
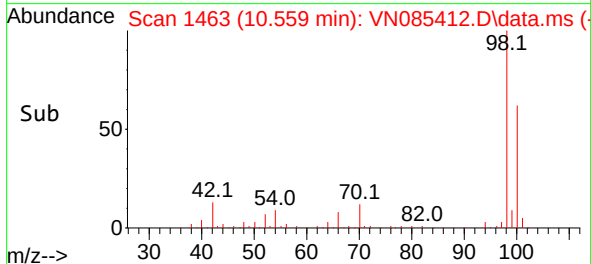
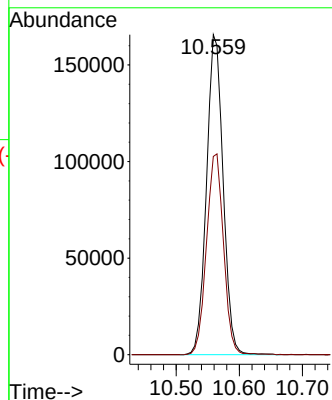
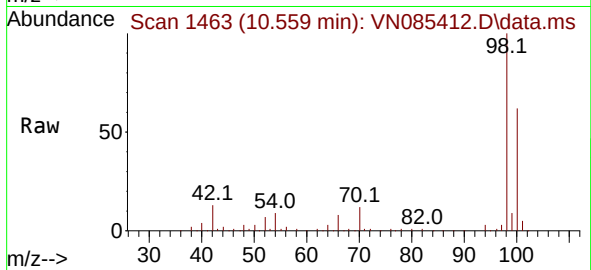




#50
Toluene-d8
Concen: 50.779 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

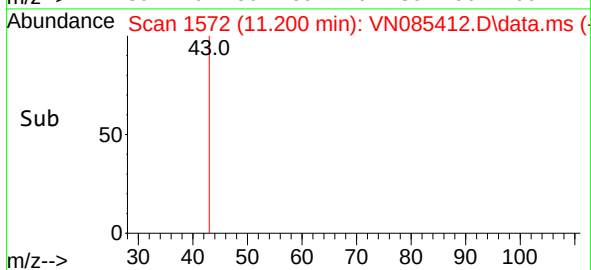
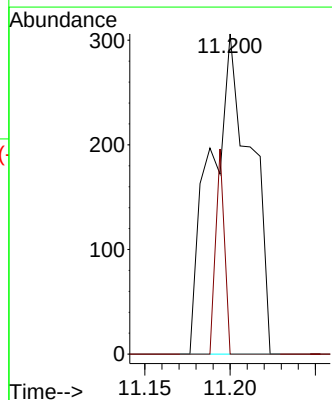
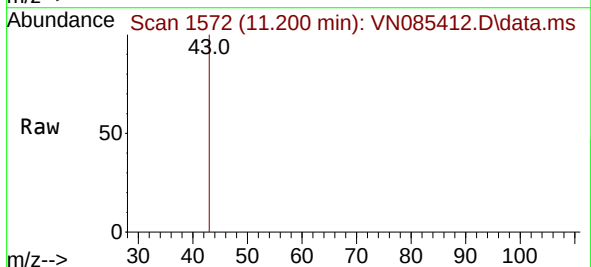
Instrument :
MSVOA_N
ClientSampleId :

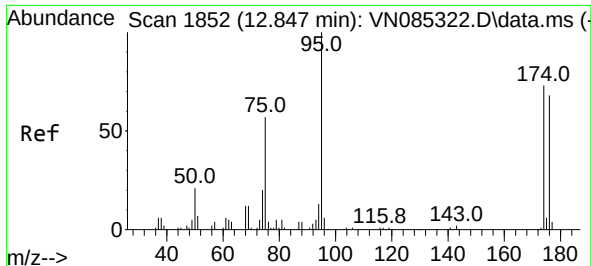
Tgt Ion: 98 Resp: 302173
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3



#59
2-Hexanone
Concen: 0.332 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
58 13.7 26.5 79.5#

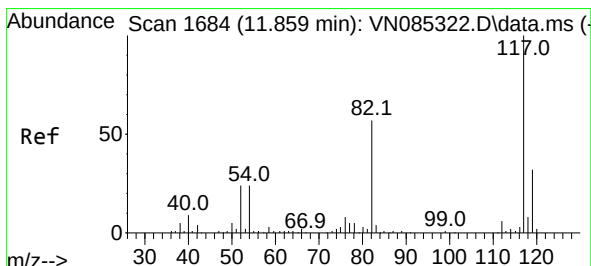
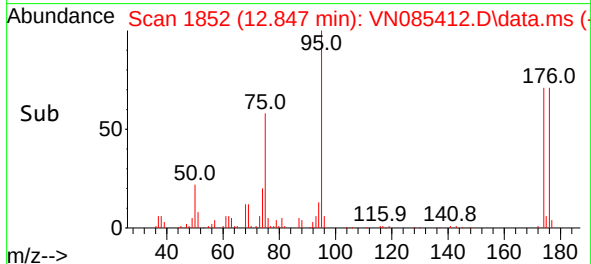
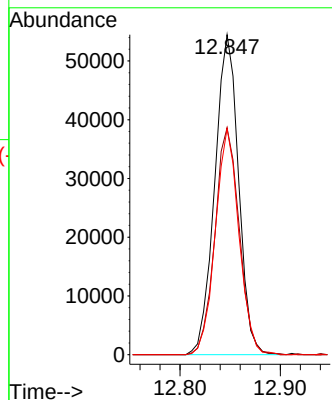
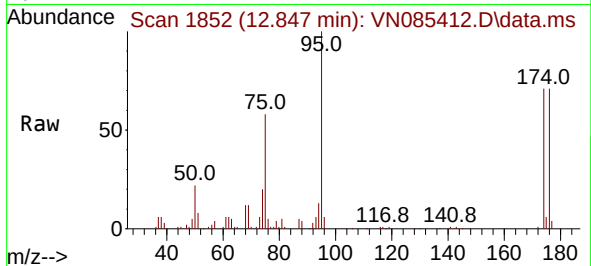




#62
4-Bromofluorobenzene
Concen: 45.374 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

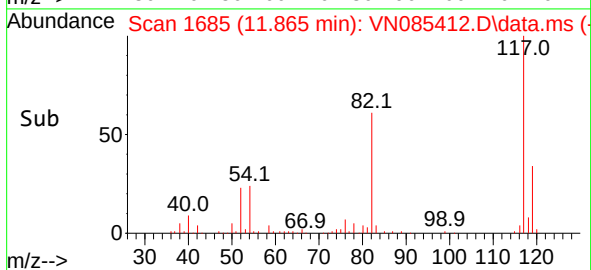
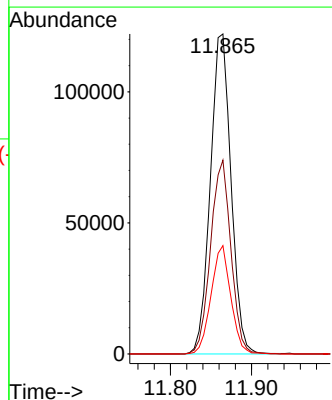
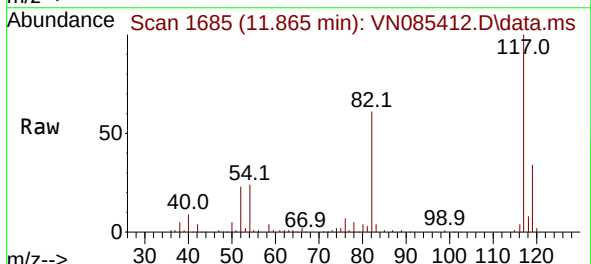
Instrument :
MSVOA_N
ClientSampleId :

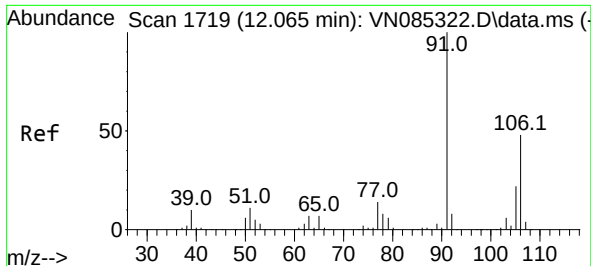
Tgt Ion: 95 Resp: 89674
Ion Ratio Lower Upper
95 100
174 72.5 0.0 143.2
176 70.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

Tgt Ion: 117 Resp: 215785
Ion Ratio Lower Upper
117 100
82 60.5 45.7 68.5
119 33.9 25.8 38.8

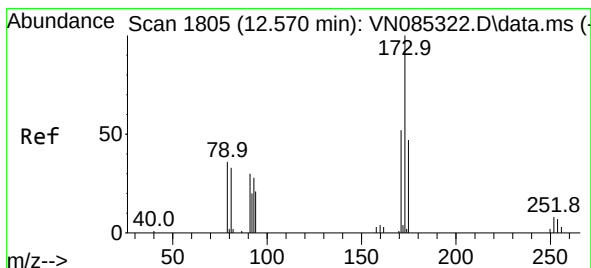
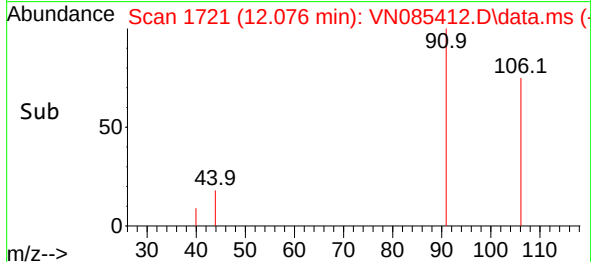
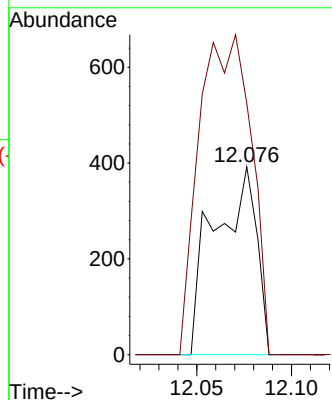
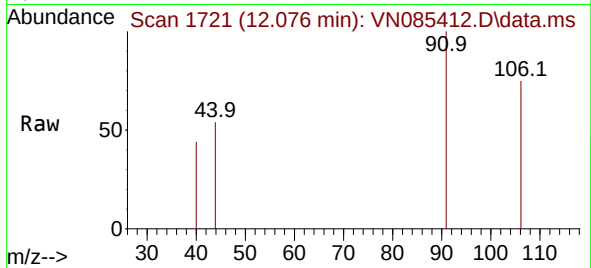




#68
m/p-Xylenes
Concen: 0.214 ug/l
RT: 12.076 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

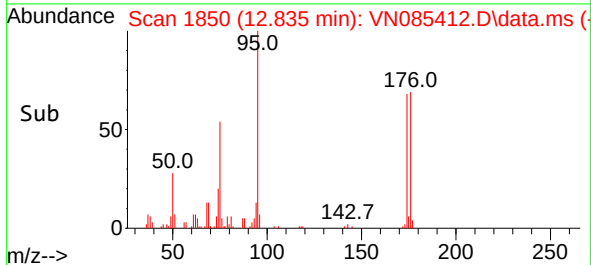
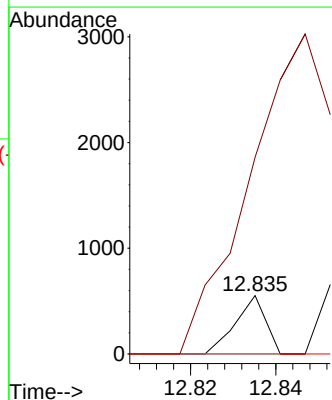
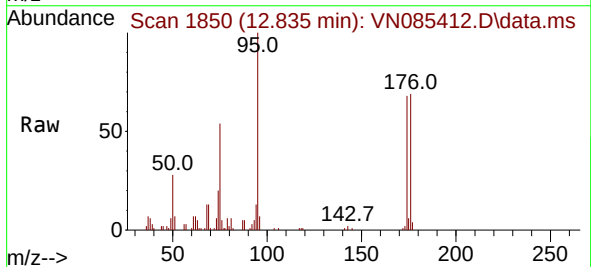
Instrument :
MSVOA_N
ClientSampleId :

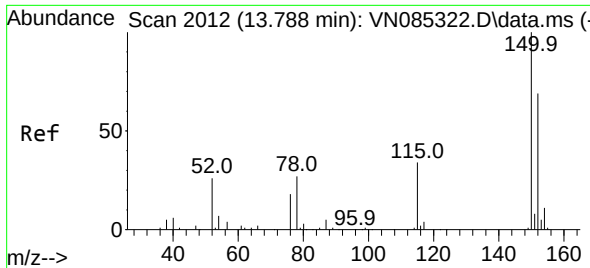
Tgt Ion:106 Resp: 607
Ion Ratio Lower Upper
106 100
91 209.7 165.2 247.8



#71
Bromoform
Concen: 0.251 ug/l
RT: 12.835 min Scan# 1850
Delta R.T. 0.265 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

Tgt Ion:173 Resp: 272
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.4#
254 0.0 0.0 0.0

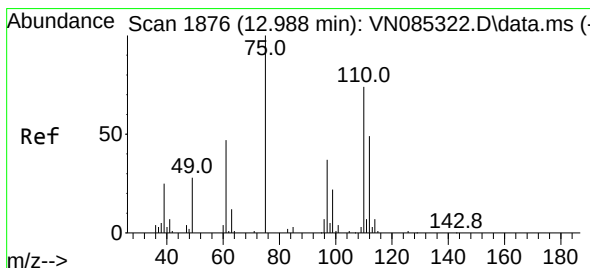
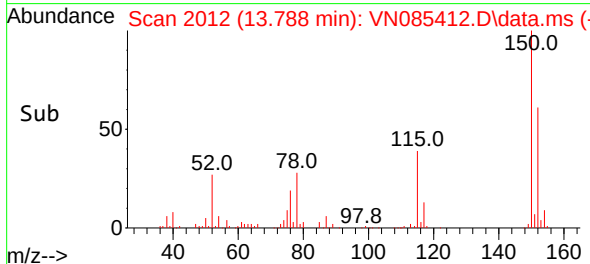
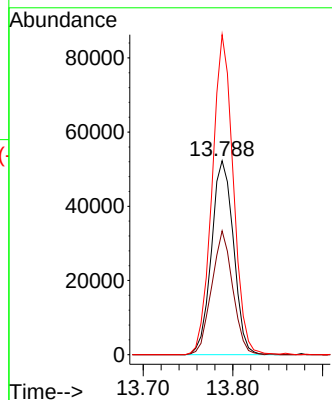
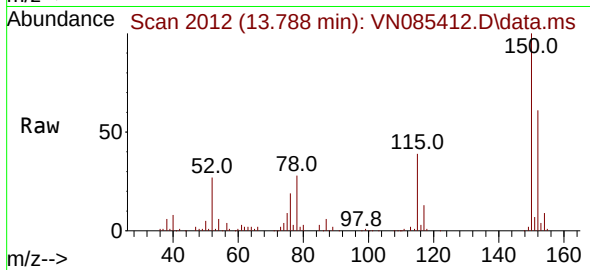




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN085412.D
 Acq: 09 Jan 2025 16:27

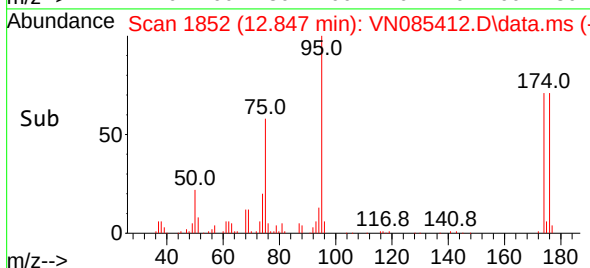
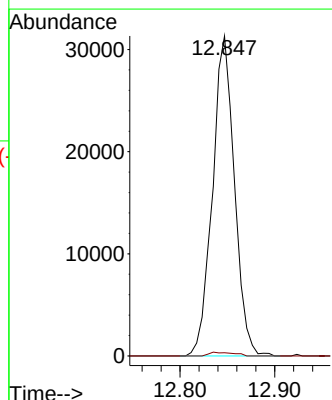
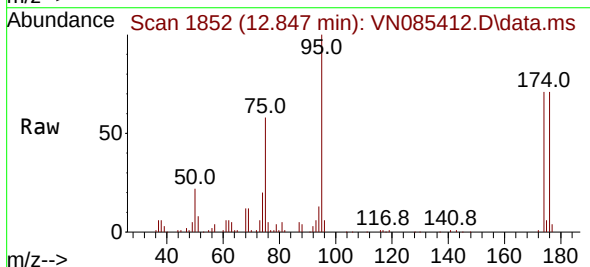
Instrument :
 MSVOA_N
 ClientSampleId :

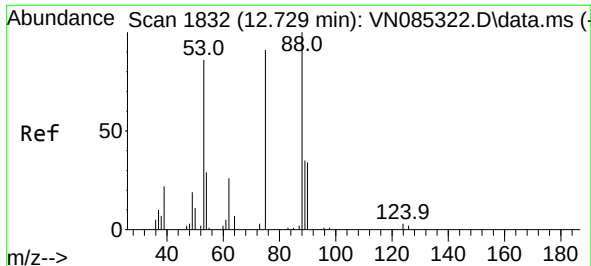
Tgt Ion:152 Resp: 89132
 Ion Ratio Lower Upper
 152 100
 115 61.0 30.4 91.3
 150 158.3 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 30.292 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085412.D
 Acq: 09 Jan 2025 16:27

Tgt Ion: 75 Resp: 50419
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.1 294.3#

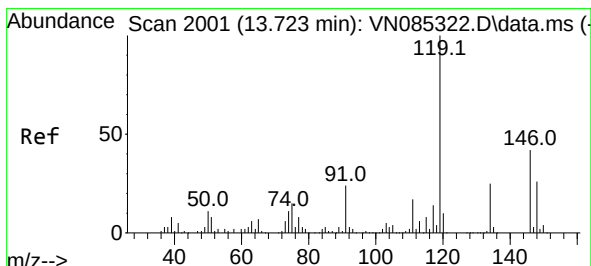
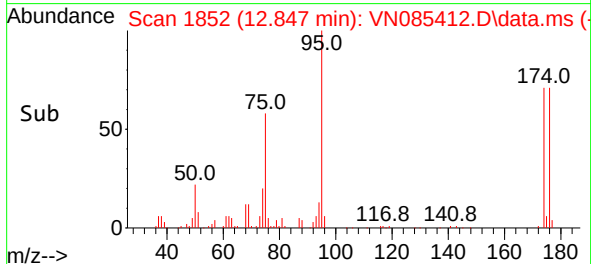
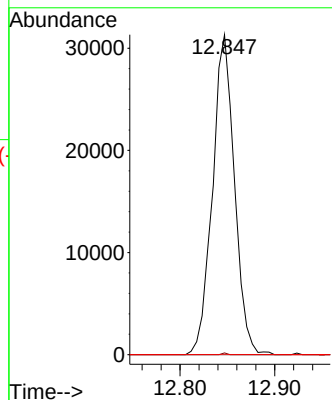
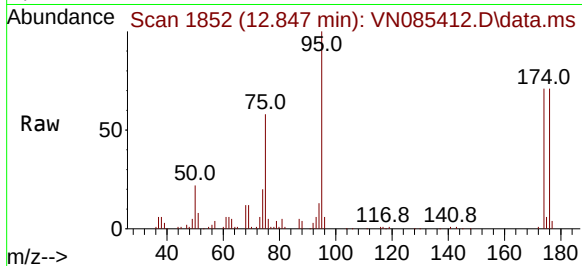




#81
trans-1,4-Dichloro-2-butene
Concen: 72.544 ug/l
RT: 12.847 min Scan# 1832
Delta R.T. 0.118 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

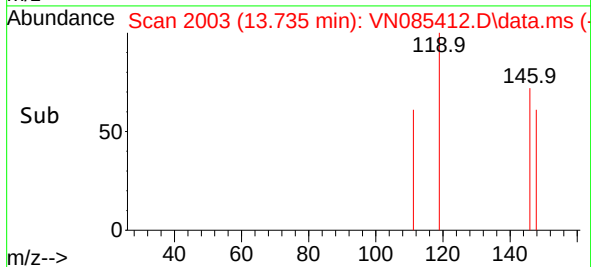
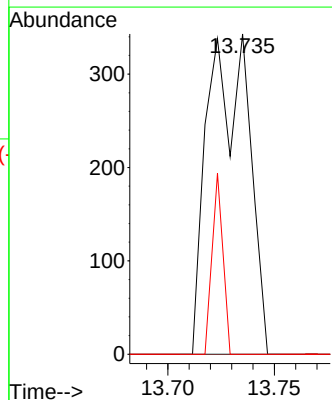
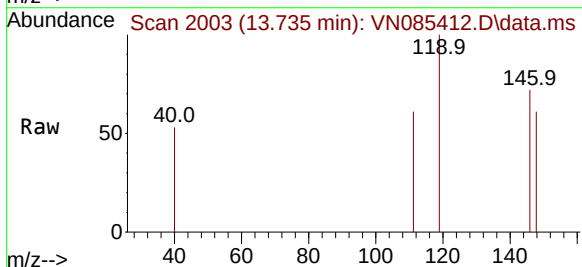
Instrument :
MSVOA_N
ClientSampleId :

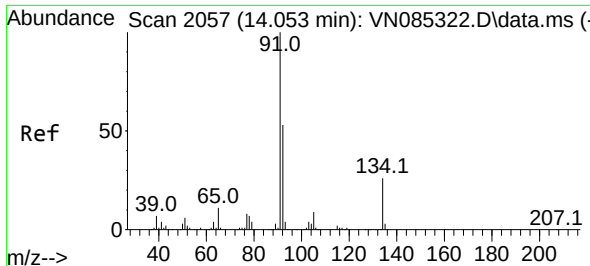
Tgt Ion: 75 Resp: 50419
Ion Ratio Lower Upper
75 100
53 0.1 80.0 120.0#
89 0.0 35.8 53.8#



#86
p-Isopropyltoluene
Concen: 0.279 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.012 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

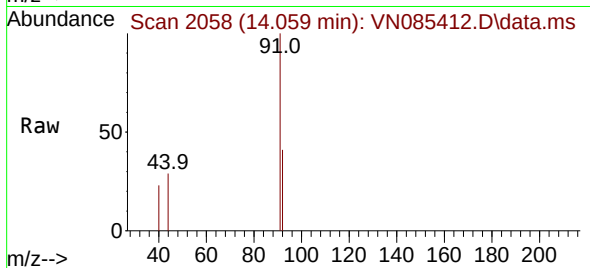
Tgt Ion: 119 Resp: 459
Ion Ratio Lower Upper
119 100
134 0.0 12.5 37.5#
91 14.8 12.2 36.4



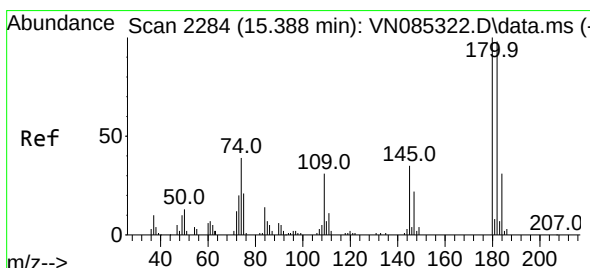
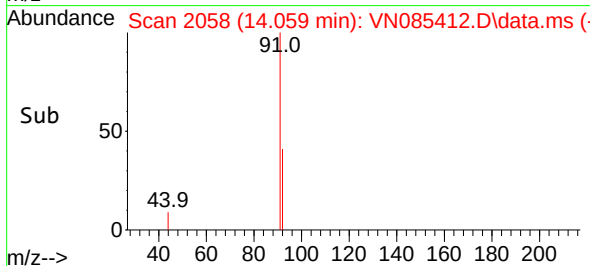
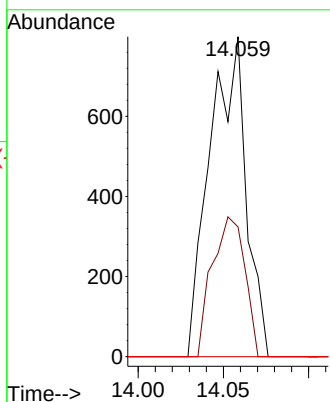


#89
n-Butylbenzene
Concen: 0.258 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

Instrument :
MSVOA_N
ClientSampleId :

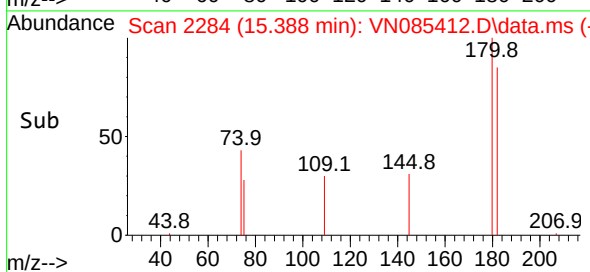
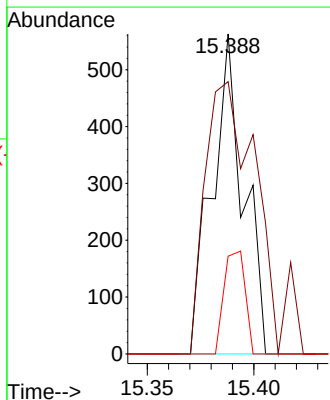
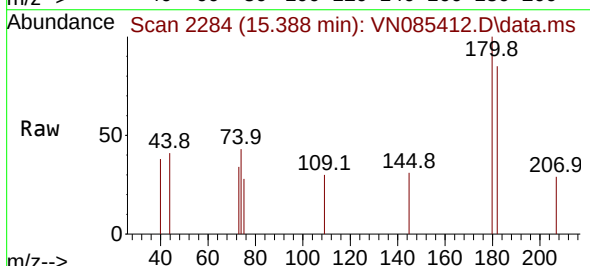


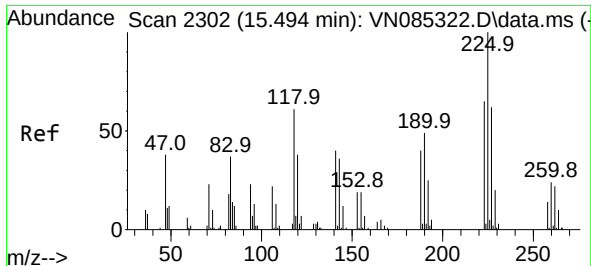
Tgt Ion: 91 Resp: 1179
Ion Ratio Lower Upper
91 100
92 39.4 26.0 78.0
134 0.0 12.1 36.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.425 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

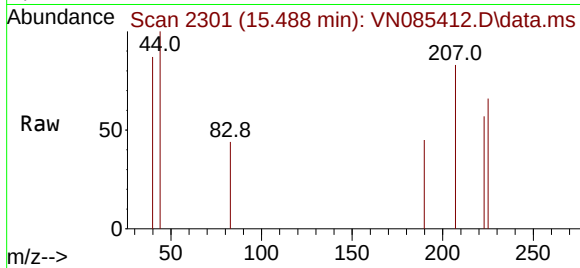
Tgt Ion: 180 Resp: 581
Ion Ratio Lower Upper
180 100
182 141.5 47.2 141.6
145 21.5 16.6 49.8



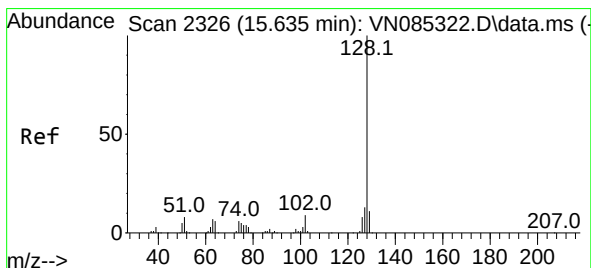
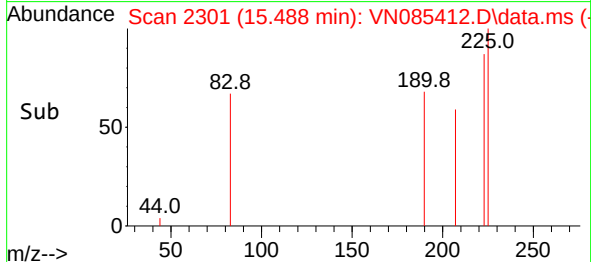
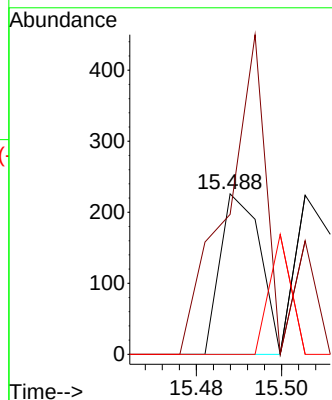


#94
Hexachlorobutadiene
Concen: 0.216 ug/l
RT: 15.488 min Scan# 2301
Delta R.T. -0.006 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

Instrument :
MSVOA_N
ClientSampleId :

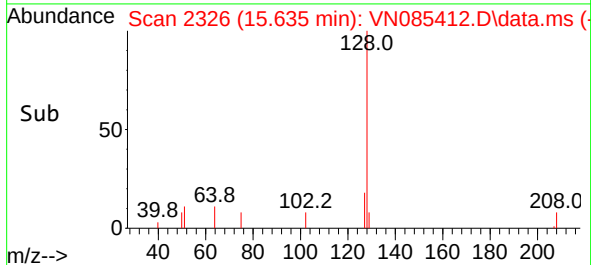
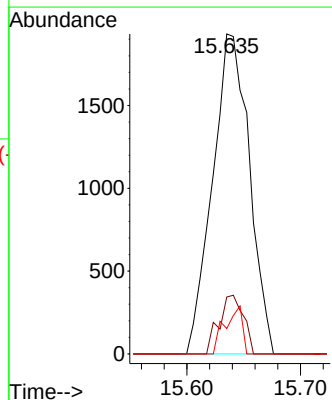
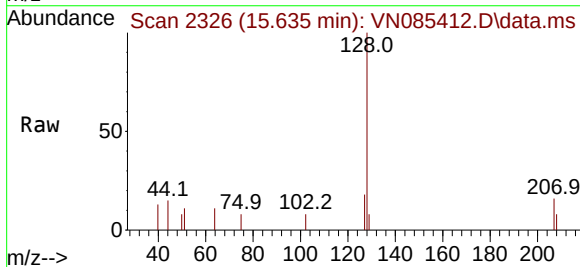


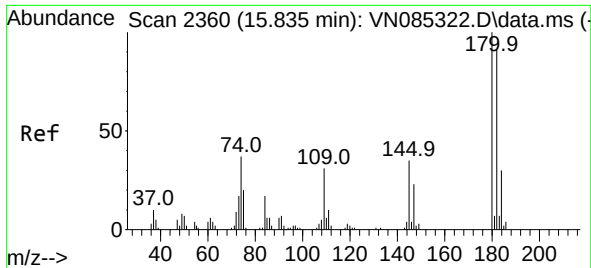
Tgt Ion:225 Resp: 147
Ion Ratio Lower Upper
225 100
223 0.0 31.6 94.7#
227 0.0 30.3 91.0#



#95
Naphthalene
Concen: 0.938 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN085412.D
Acq: 09 Jan 2025 16:27

Tgt Ion:128 Resp: 4355
Ion Ratio Lower Upper
128 100
127 12.2 10.6 16.0
129 7.1 8.5 12.7#





#96

1,2,3-Trichlorobenzene

Concen: 0.733 ug/l

RT: 15.835 min Scan# 21

Delta R.T. 0.000 min

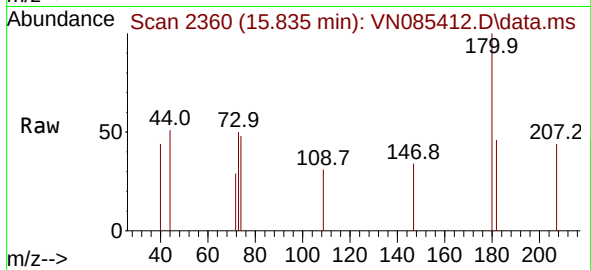
Lab File: VN085412.D

Acq: 09 Jan 2025 16:27

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 1003

Ion Ratio Lower Upper

180 100

182 44.5 46.8 140.4#

145 5.7 17.2 51.6#

