

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011725\
 Data File : VN085484.D
 Acq On : 17 Jan 2025 11:37
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 17 22:32:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

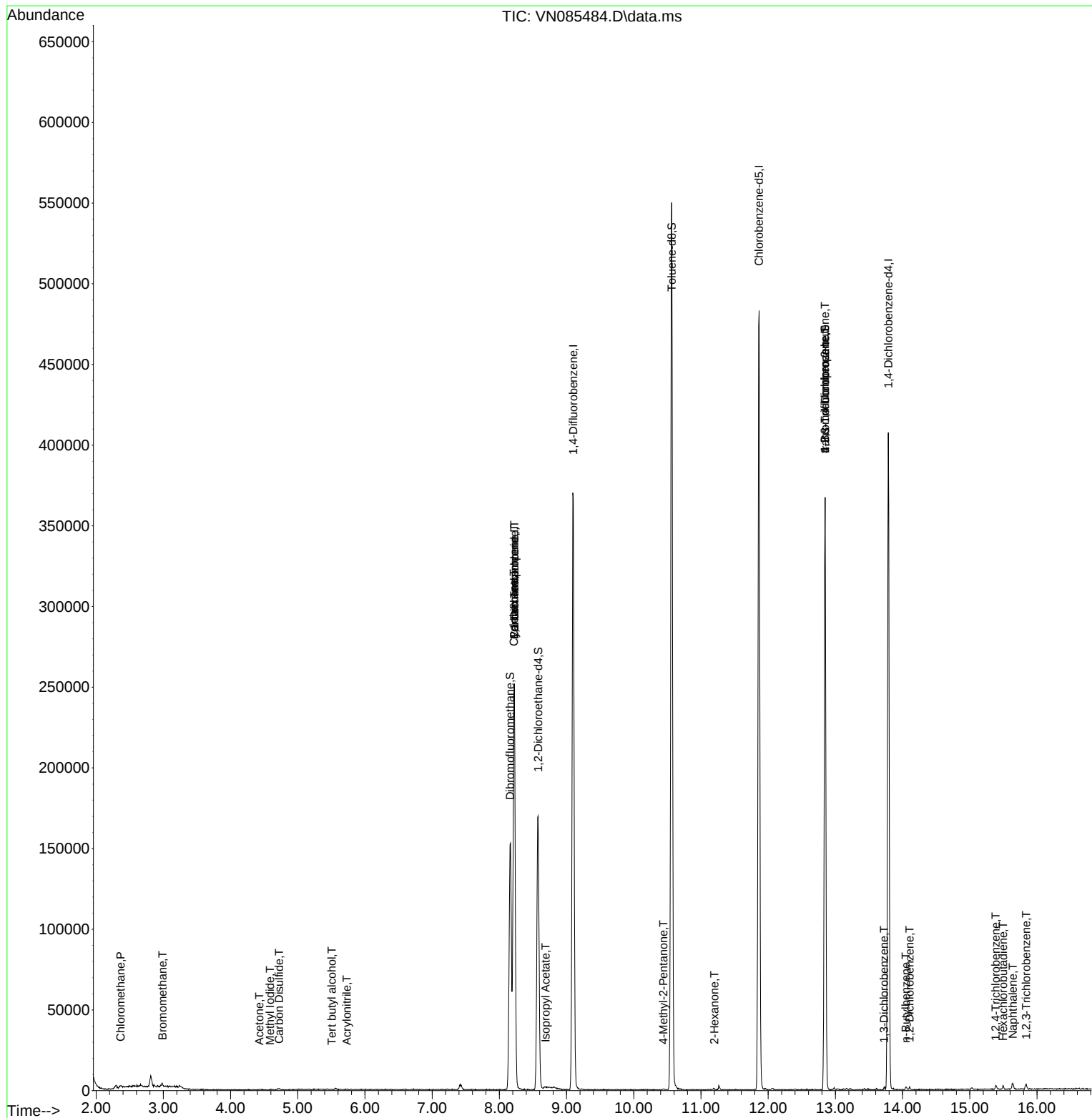
Internal Standards						
1) Pentafluorobenzene	8.224	168	172443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	263367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	102722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	147666	53.049	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.100%			
35) Dibromofluoromethane	8.159	113	109978	52.174	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.340%			
50) Toluene-d8	10.565	98	371059	49.545	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.080%			
62) 4-Bromofluorobenzene	12.847	95	118394	46.213	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.420%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	872	0.345	ug/l #	77
5) Bromomethane	2.989	94	1075	0.700	ug/l #	74
10) Methyl Iodide	4.589	142	604	0.254	ug/l #	36
11) Tert butyl alcohol	5.506	59	69	0.216	ug/l #	71
15) Acrylonitrile	5.730	53	263	0.260	ug/l #	18
16) Acetone	4.430	43	490	0.545	ug/l #	45
17) Carbon Disulfide	4.724	76	1766	0.310	ug/l #	76
31) Cyclohexane	8.218	56	4762	1.348	ug/l #	11
36) 1,1-Dichloropropene	8.224	75	16598	5.610	ug/l #	50
38) Carbon Tetrachloride	8.224	117	19684	5.812	ug/l #	18
43) Isopropyl Acetate	8.688	43	1571	0.328	ug/l #	55
51) 4-Methyl-2-Pentanone	10.441	43	723	0.260	ug/l #	37
59) 2-Hexanone	11.200	43	558	0.286	ug/l	86
76) 1,2,3-Trichloropropane	12.847	75	66778	31.984	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66778	86.535	ug/l #	3
87) 1,3-Dichlorobenzene	13.723	146	681	0.204	ug/l	93
89) n-Butylbenzene	14.047	91	1463	0.306	ug/l	89
91) 1,2-Dichlorobenzene	14.106	146	794	0.239	ug/l #	74
93) 1,2,4-Trichlorobenzene	15.388	180	992	0.641	ug/l	93
94) Hexachlorobutadiene	15.494	225	605	0.737	ug/l	76
95) Naphthalene	15.641	128	4171	0.904	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.841	180	1449	0.926	ug/l	81

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

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Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
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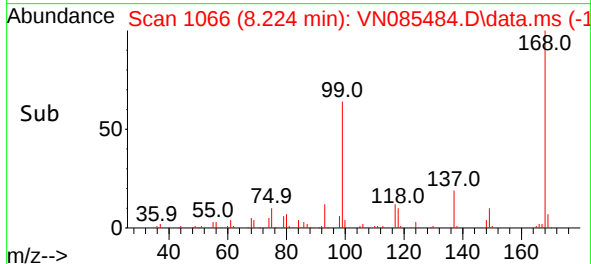
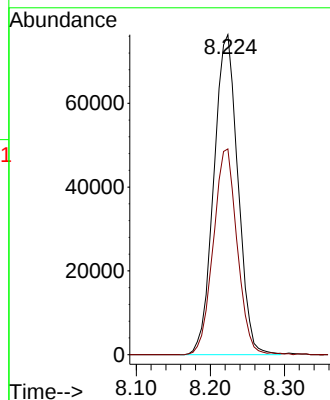
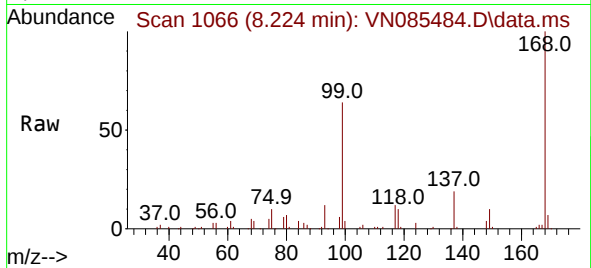




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

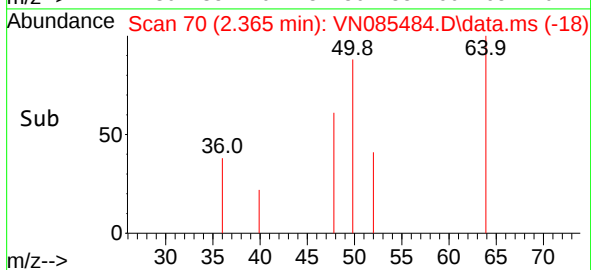
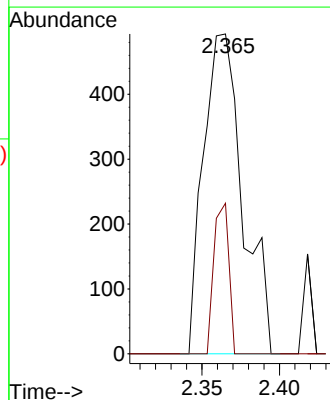
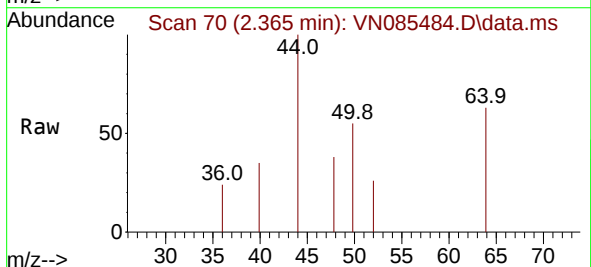
Instrument :
MSVOA_N
ClientSampleId :

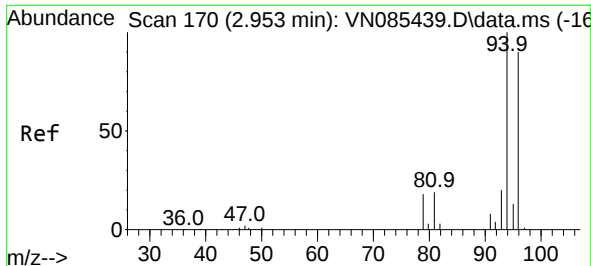
Tgt Ion:168 Resp: 172443
Ion Ratio Lower Upper
168 100
99 64.3 53.6 80.4



#3
Chloromethane
Concen: 0.345 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

Tgt Ion: 50 Resp: 872
Ion Ratio Lower Upper
50 100
52 47.1 27.0 40.6#

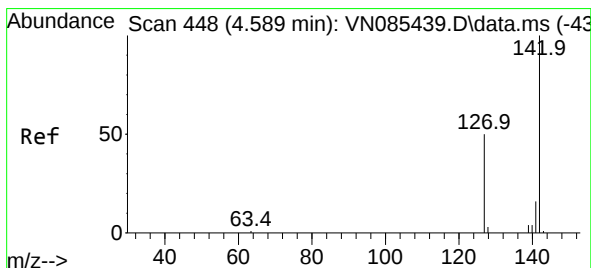
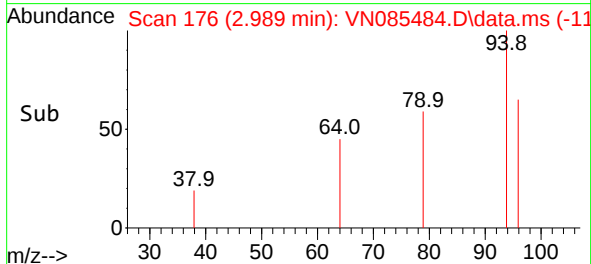
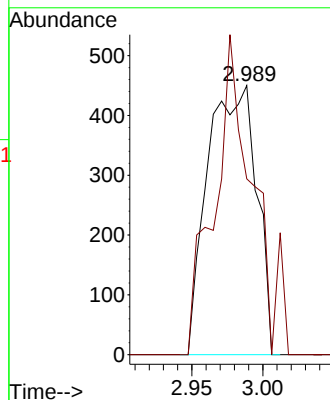
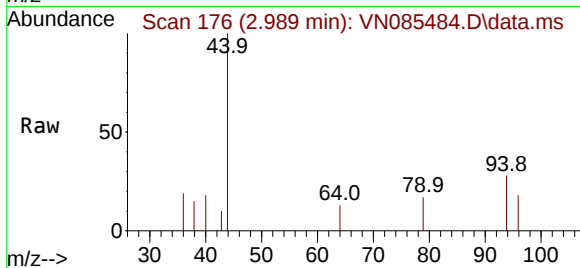




#5
Bromomethane
Concen: 0.700 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

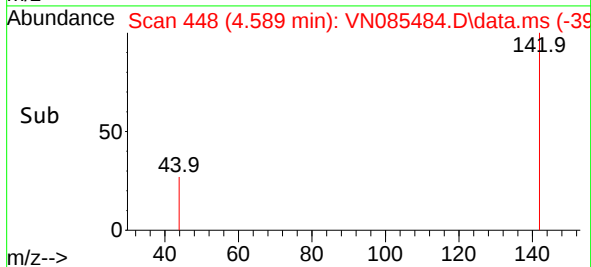
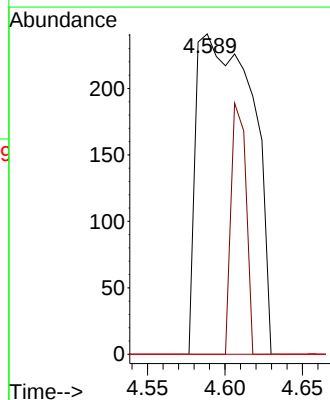
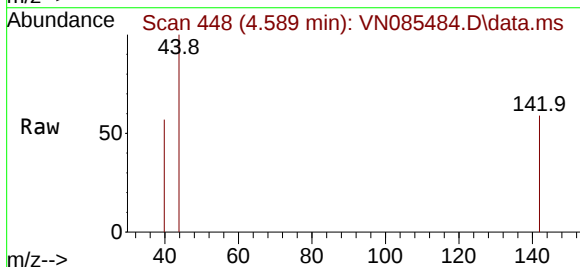
Instrument :
MSVOA_N
ClientSampleId :

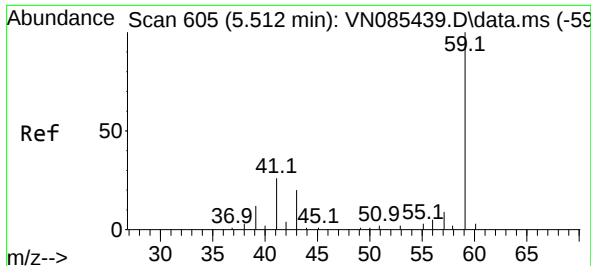
Tgt Ion: 94 Resp: 1075
Ion Ratio Lower Upper
94 100
96 65.3 71.8 107.6#



#10
Methyl Iodide
Concen: 0.254 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

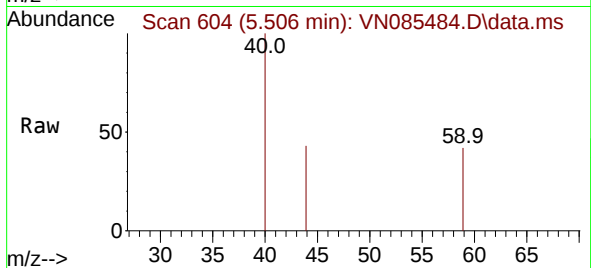
Tgt Ion: 142 Resp: 604
Ion Ratio Lower Upper
142 100
127 0.0 40.3 60.5#
141 0.0 12.8 19.2#



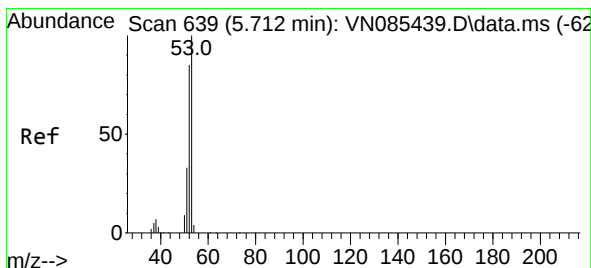
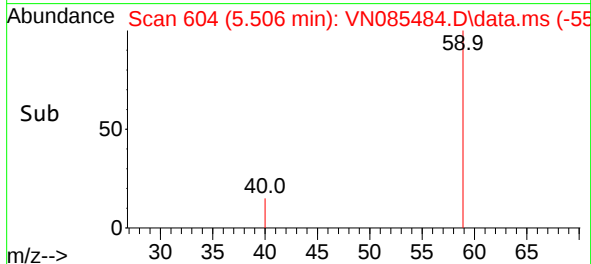
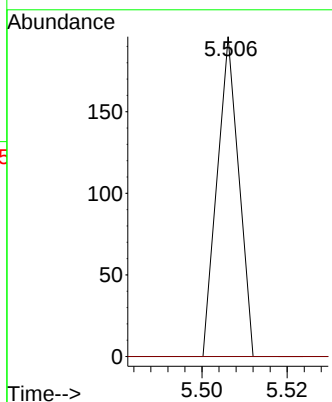


#11
Tert butyl alcohol
Concen: 0.216 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :

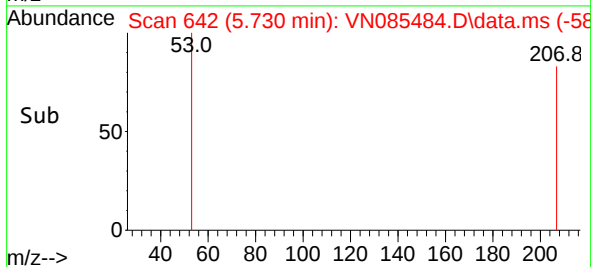
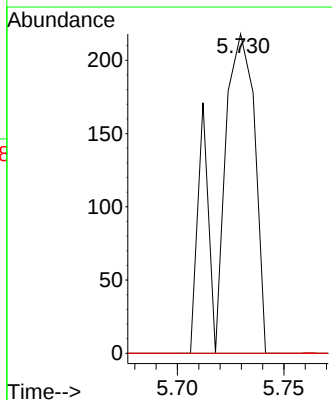
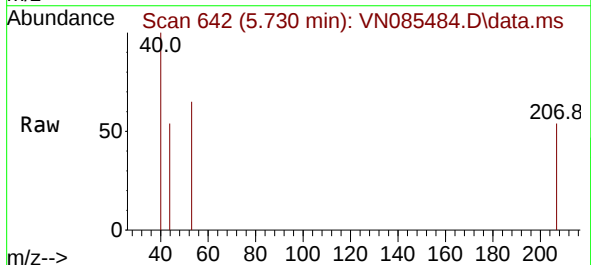


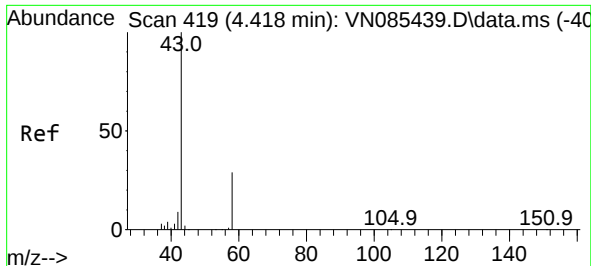
Tgt Ion: 59 Resp: 69
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#15
Acrylonitrile
Concen: 0.260 ug/l
RT: 5.730 min Scan# 642
Delta R.T. 0.018 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

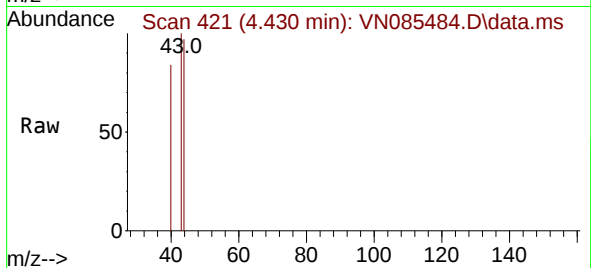
Tgt Ion: 53 Resp: 263
Ion Ratio Lower Upper
53 100
52 0.0 65.5 98.3#
51 0.0 29.8 44.8#



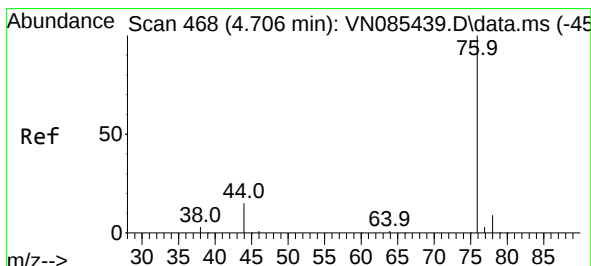
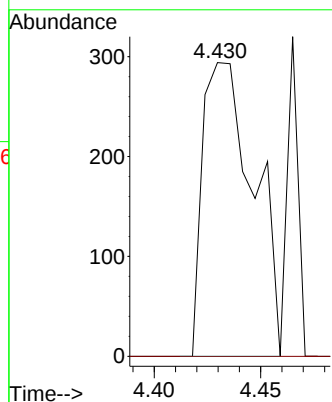
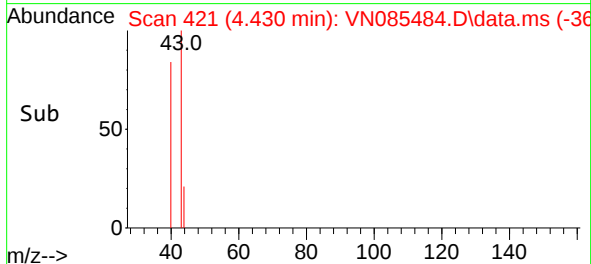


#16
Acetone
Concen: 0.545 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

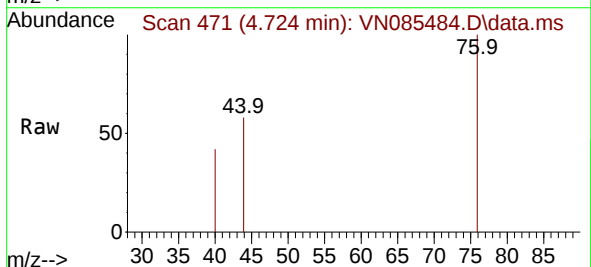
Instrument :
MSVOA_N
ClientSampleId :



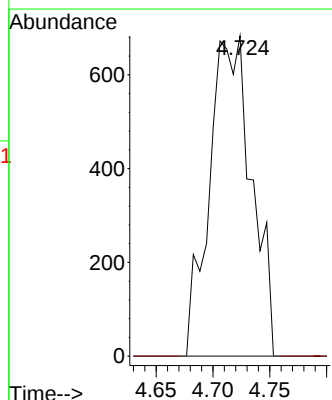
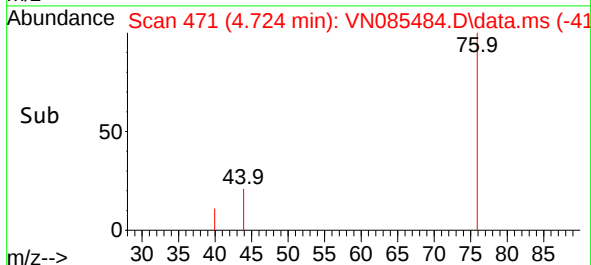
Tgt Ion: 43 Resp: 490
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#

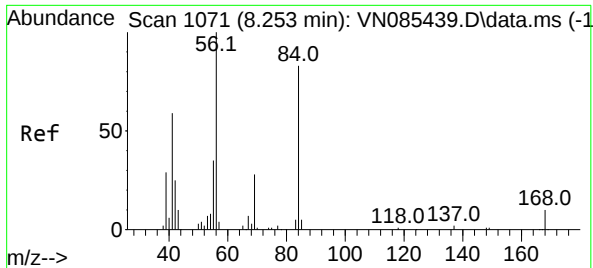


#17
Carbon Disulfide
Concen: 0.310 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.018 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37



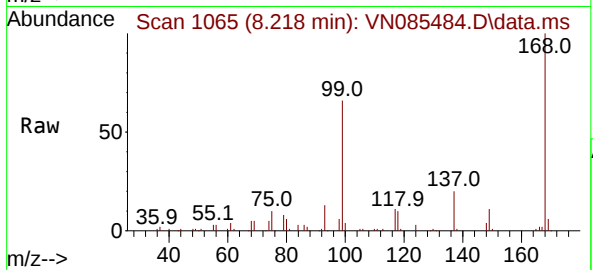
Tgt Ion: 76 Resp: 1766
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



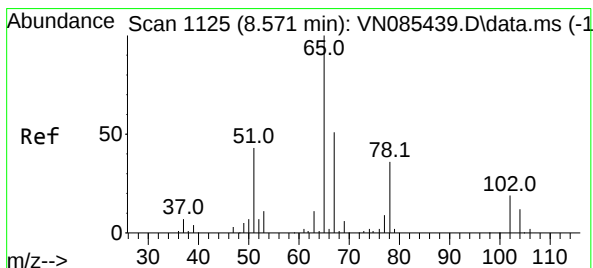
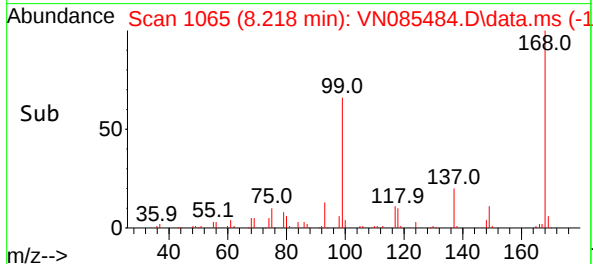
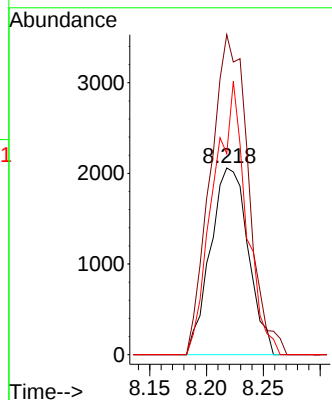


#31
Cyclohexane
Concen: 1.348 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :

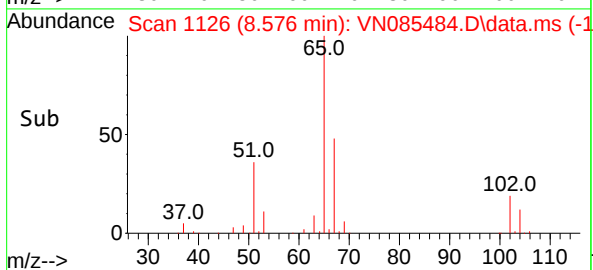
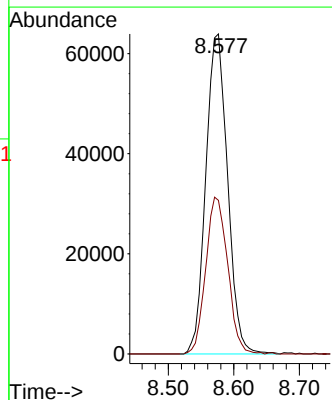
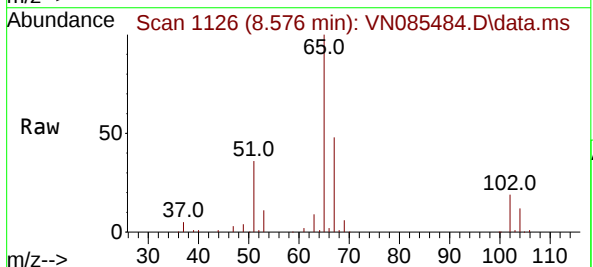


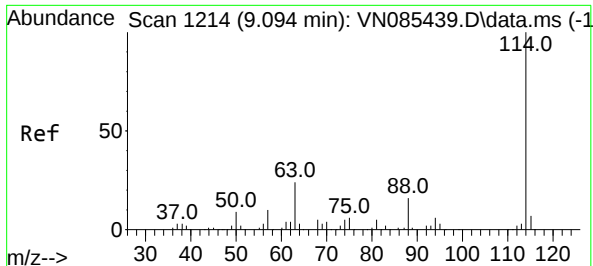
Tgt Ion: 56 Resp: 4762
Ion Ratio Lower Upper
56 100
69 171.4 22.2 33.4#
84 107.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.049 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

Tgt Ion: 65 Resp: 147666
Ion Ratio Lower Upper
65 100
67 49.4 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085484.D

Acq: 17 Jan 2025 11:37

Instrument :

MSVOA_N

ClientSampleId :

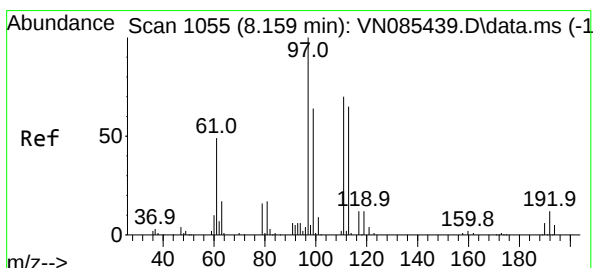
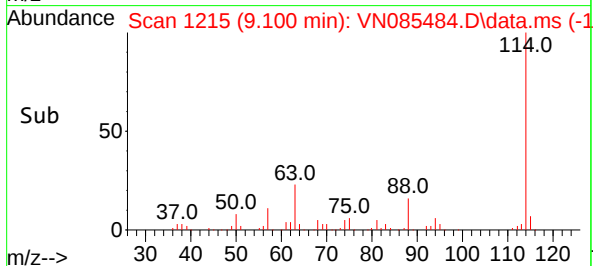
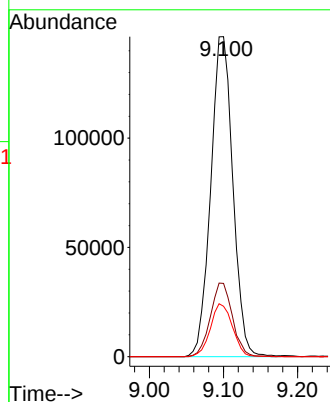
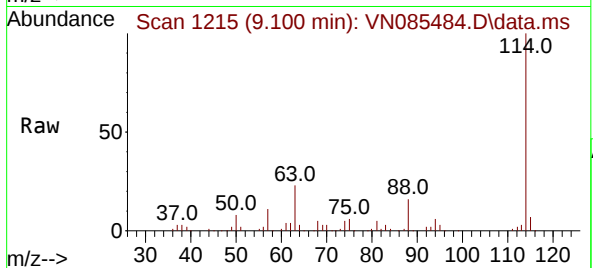
Tgt Ion:114 Resp: 303840

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.6

88 15.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.174 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085484.D

Acq: 17 Jan 2025 11:37

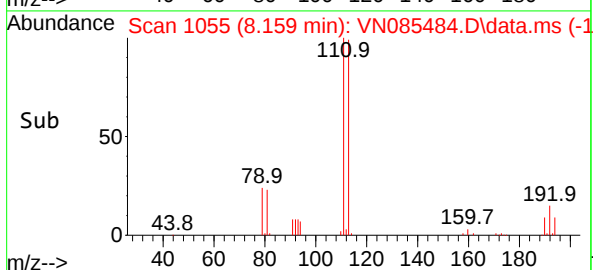
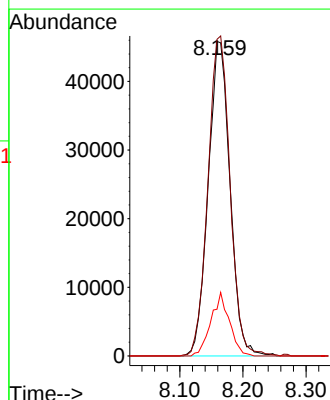
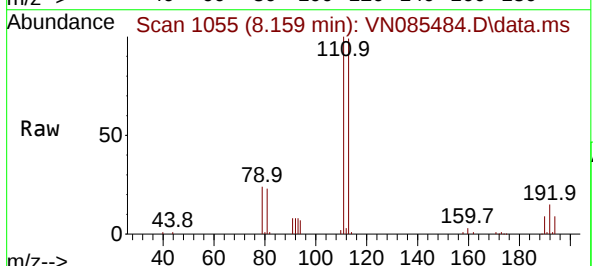
Tgt Ion:113 Resp: 109978

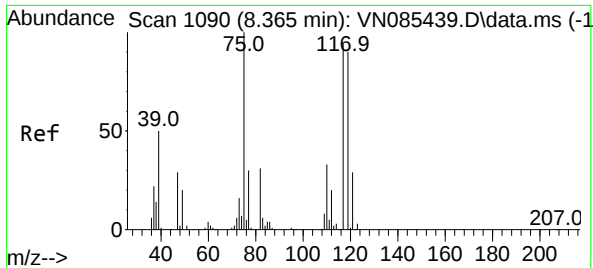
Ion Ratio Lower Upper

113 100

111 102.9 82.7 124.1

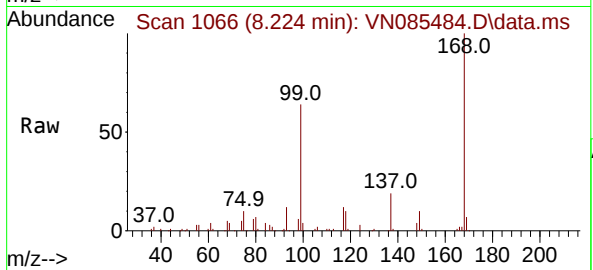
192 17.1 14.3 21.5



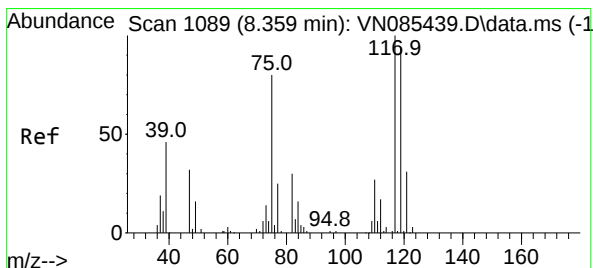
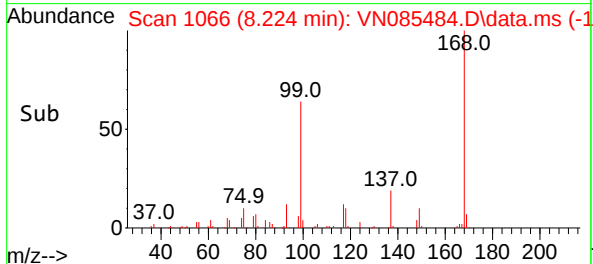
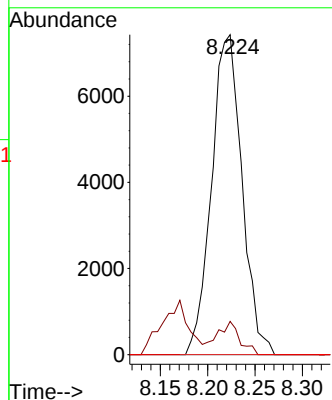


#36
1,1-Dichloropropene
Concen: 5.610 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :

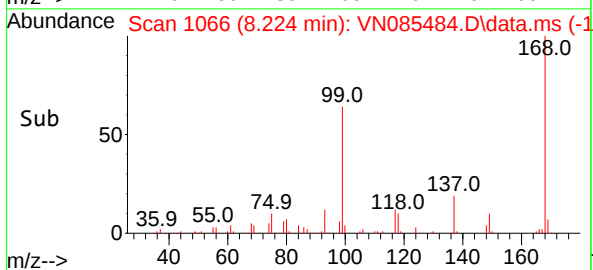
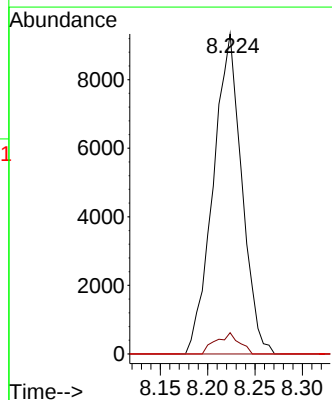
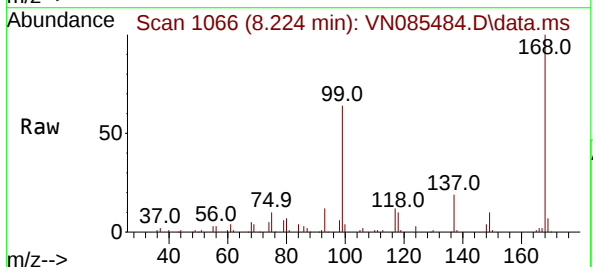


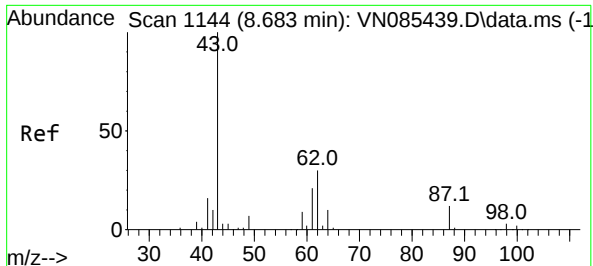
Tgt Ion: 75 Resp: 16598
Ion Ratio Lower Upper
75 100
110 7.9 16.5 49.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.812 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

Tgt Ion: 117 Resp: 19684
Ion Ratio Lower Upper
117 100
119 6.7 75.4 113.2#
121 0.0 24.6 37.0#

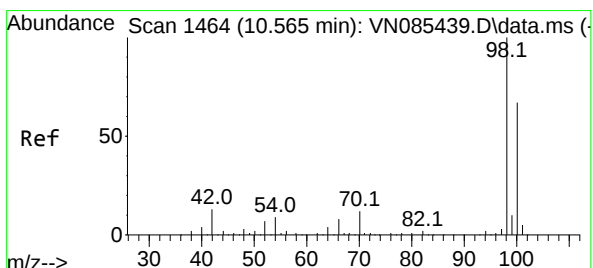
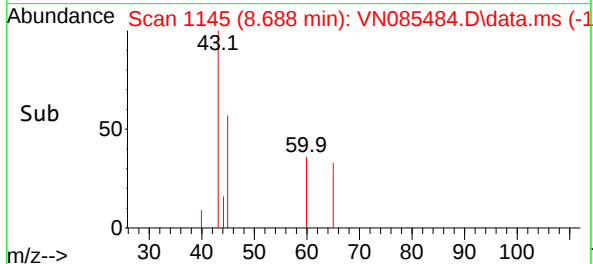
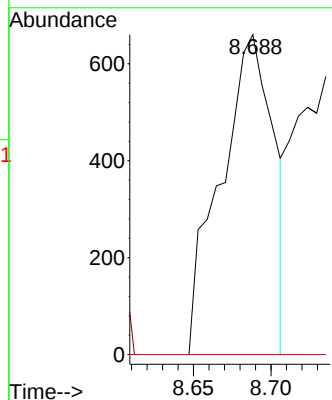
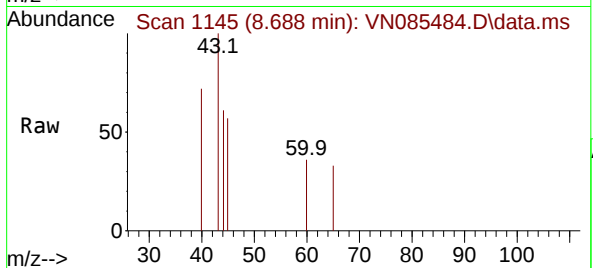




#43
Isopropyl Acetate
Concen: 0.328 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

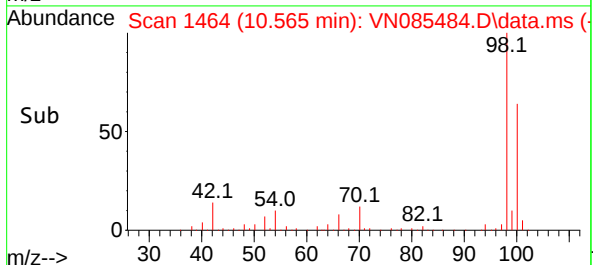
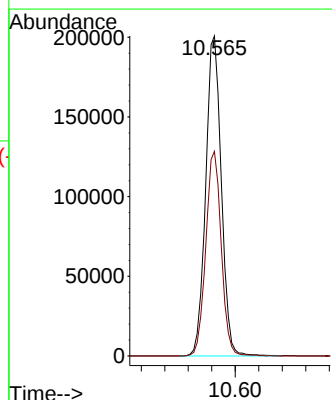
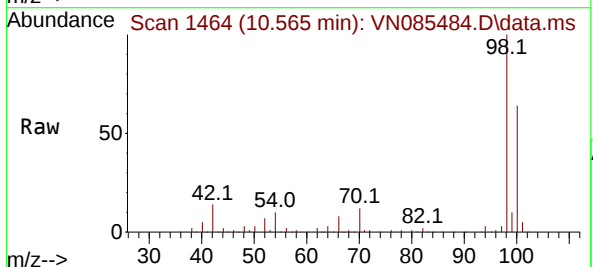
Instrument :
MSVOA_N
ClientSampleId :

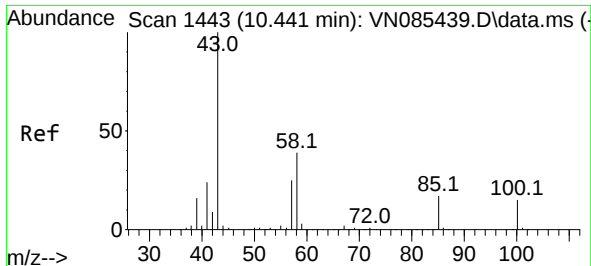
Tgt Ion: 43 Resp: 1571
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 0.0 9.8 14.8#



#50
Toluene-d8
Concen: 49.545 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

Tgt Ion: 98 Resp: 371059
Ion Ratio Lower Upper
98 100
100 63.3 52.2 78.4

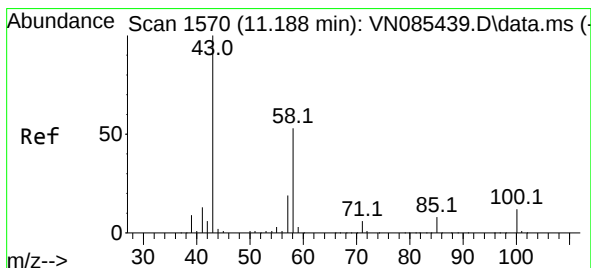
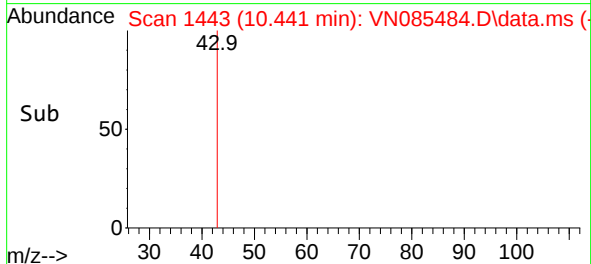
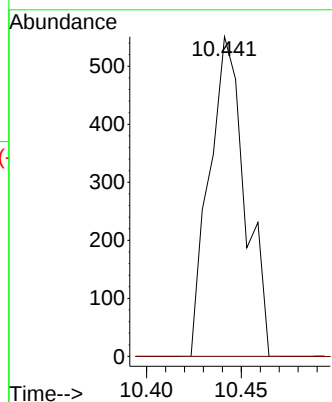
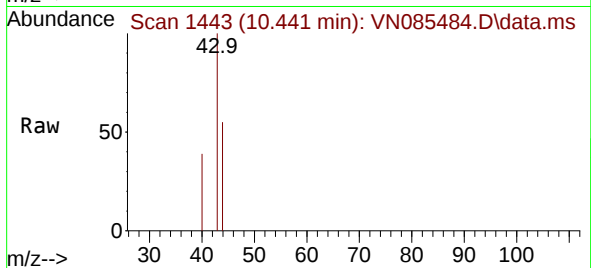




#51
4-Methyl-2-Pentanone
Concen: 0.260 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

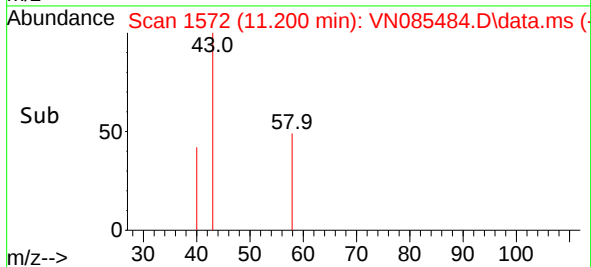
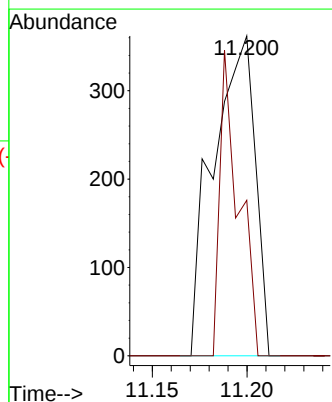
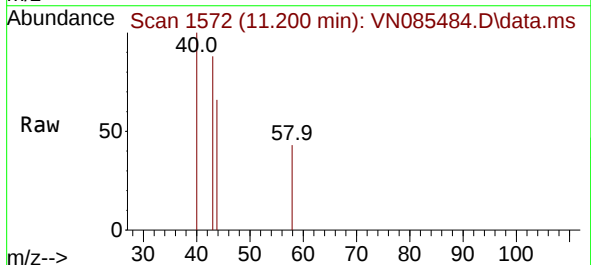
Instrument :
MSVOA_N
ClientSampleId :

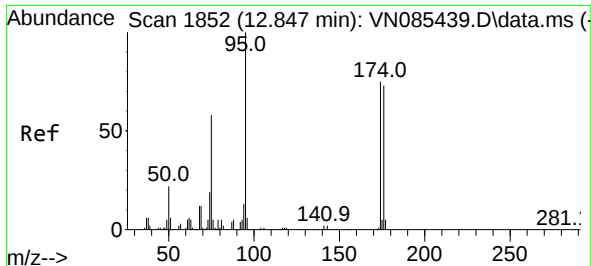
Tgt Ion: 43 Resp: 723
Ion Ratio Lower Upper
43 100
58 0.0 30.5 45.7#



#59
2-Hexanone
Concen: 0.286 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.012 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

Tgt Ion: 43 Resp: 558
Ion Ratio Lower Upper
43 100
58 42.8 26.2 78.6

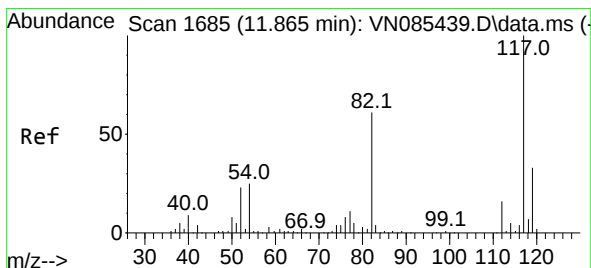
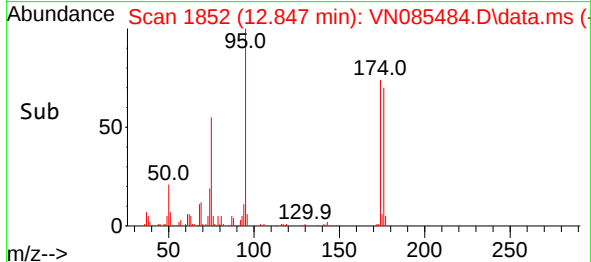
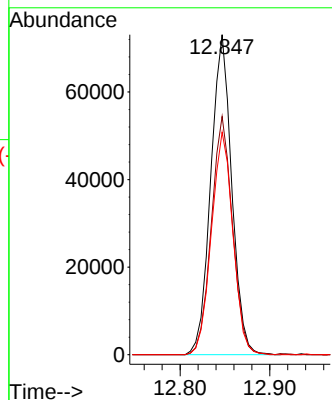
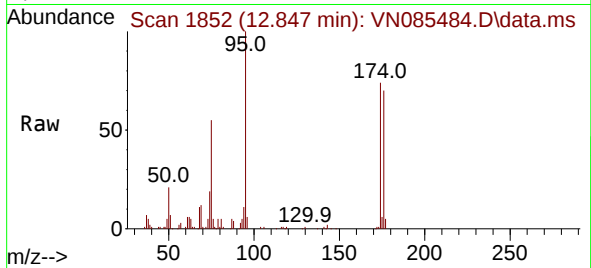




#62
4-Bromofluorobenzene
Concen: 46.213 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

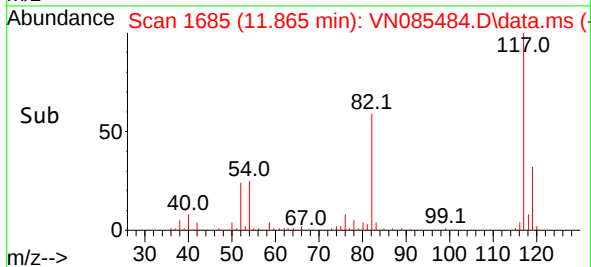
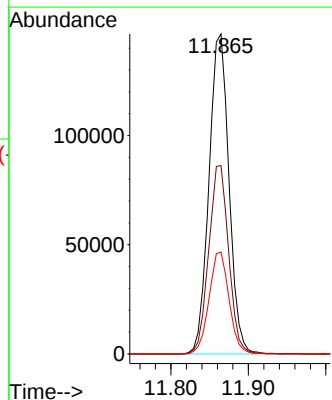
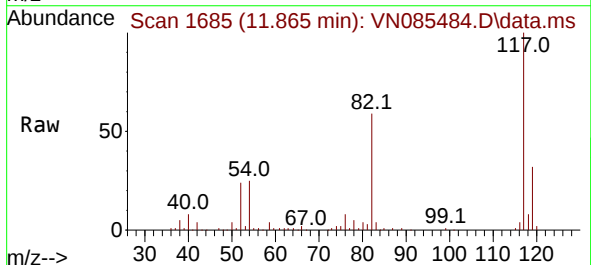
Instrument :
MSVOA_N
ClientSampleId :

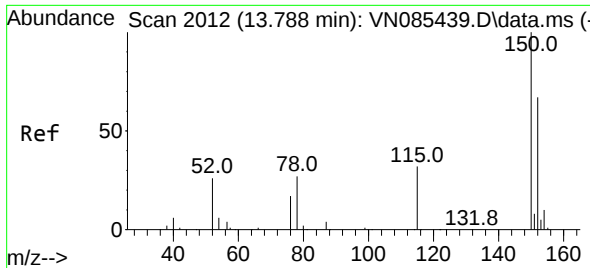
Tgt Ion: 95 Resp: 118394
Ion Ratio Lower Upper
95 100
174 75.3 0.0 145.0
176 71.3 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

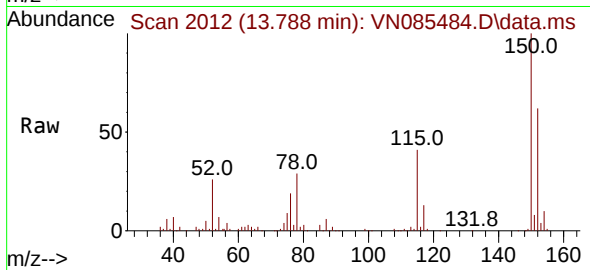
Tgt Ion: 117 Resp: 263367
Ion Ratio Lower Upper
117 100
82 58.9 48.6 72.8
119 31.8 26.6 39.8



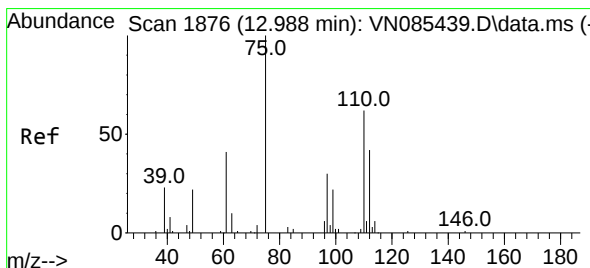
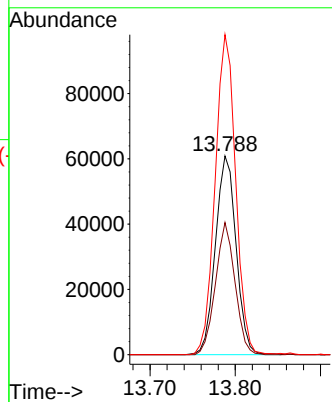
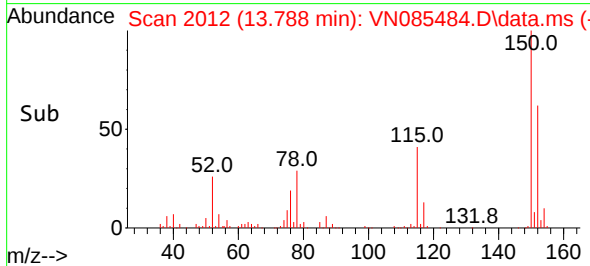


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN085484.D
 Acq: 17 Jan 2025 11:37

Instrument :
 MSVOA_N
 ClientSampleId :

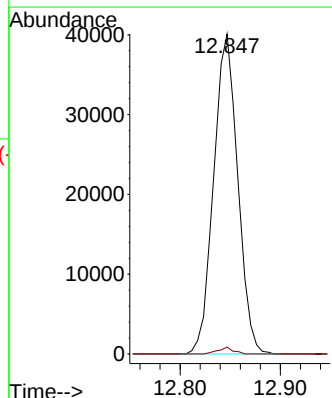
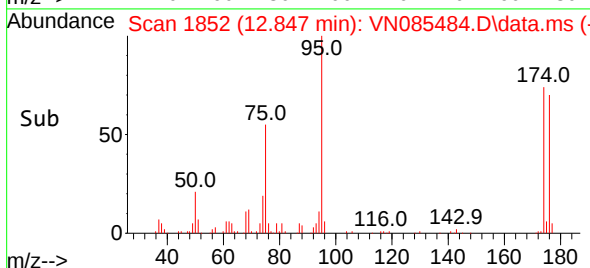
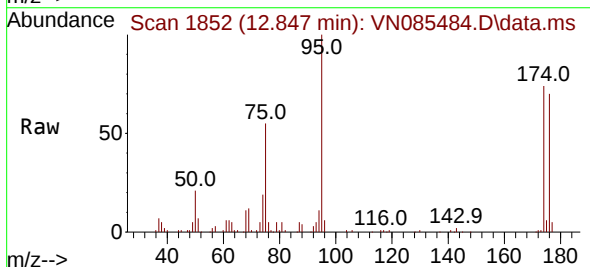


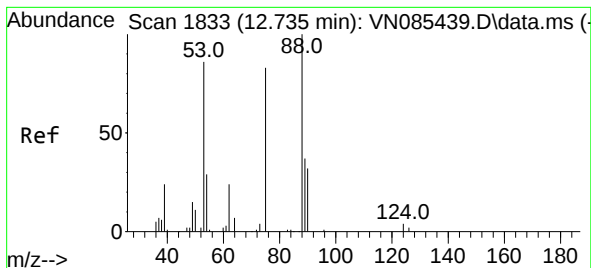
Tgt Ion:152 Resp: 102722
 Ion Ratio Lower Upper
 152 100
 115 62.7 31.1 93.3
 150 159.4 0.0 343.6



#76
 1,2,3-Trichloropropane
 Concen: 31.984 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085484.D
 Acq: 17 Jan 2025 11:37

Tgt Ion: 75 Resp: 66778
 Ion Ratio Lower Upper
 75 100
 77 1.3 109.7 329.2#

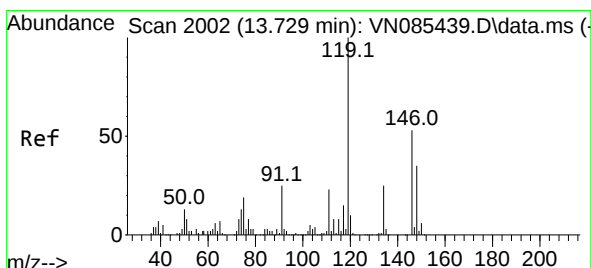
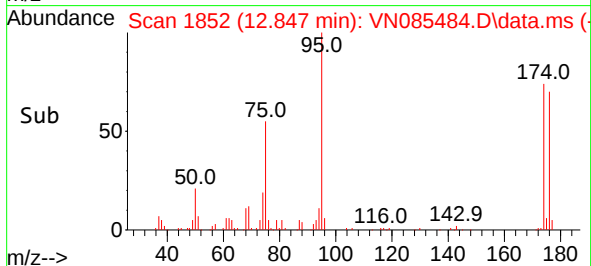
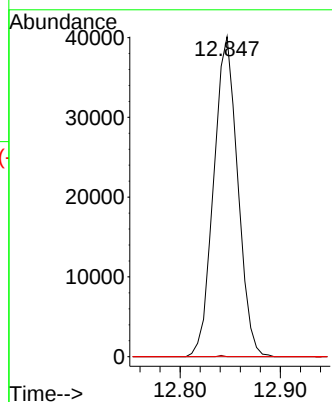
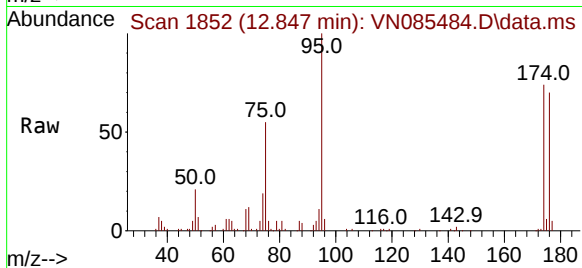




#81
trans-1,4-Dichloro-2-butene
Concen: 86.535 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

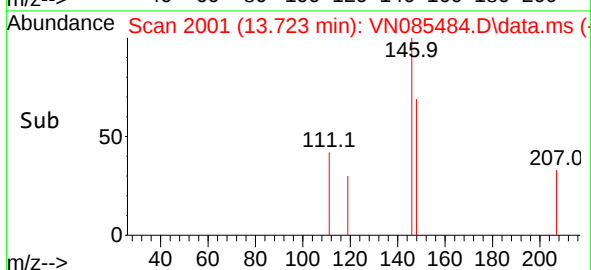
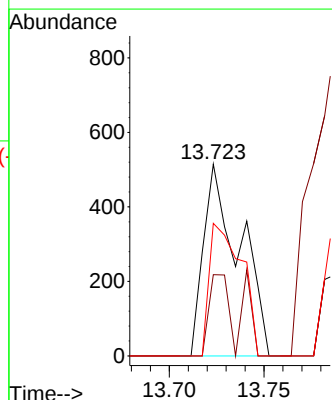
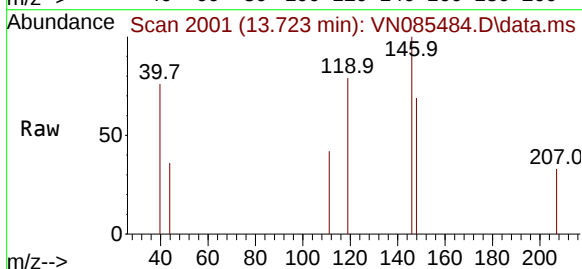
Instrument :
MSVOA_N
ClientSampleId :

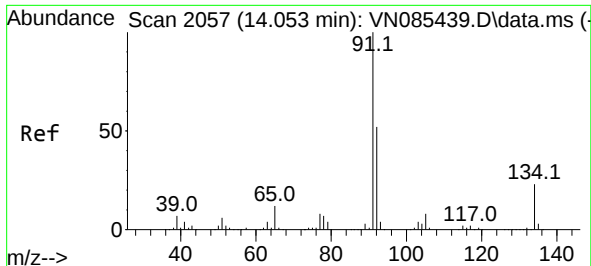
Tgt Ion: 75 Resp: 66778
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#



#87
1,3-Dichlorobenzene
Concen: 0.204 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

Tgt Ion:146 Resp: 681
Ion Ratio Lower Upper
146 100
111 34.5 21.4 64.3
148 61.8 32.3 96.9





#89

n-Butylbenzene

Concen: 0.306 ug/l

RT: 14.047 min Scan# 2056

Delta R.T. -0.006 min

Lab File: VN085484.D

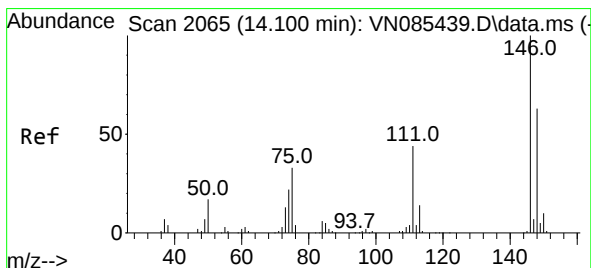
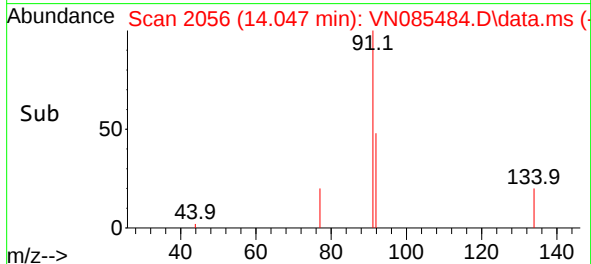
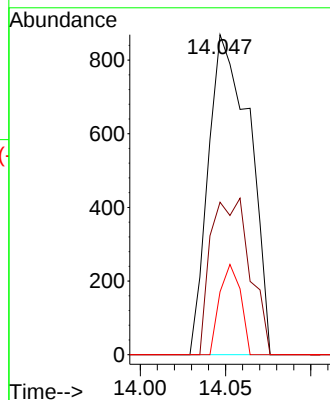
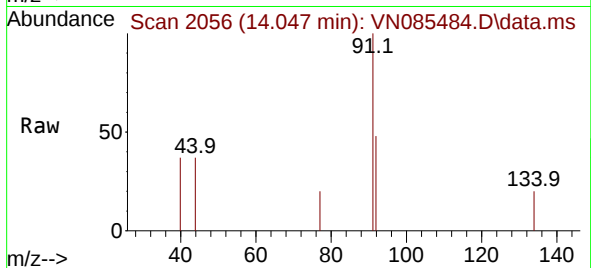
Acq: 17 Jan 2025 11:37

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp:	1463
Ion	Ratio	Lower Upper
91	100	
92	46.2	25.8 77.3
134	14.4	11.7 35.1



#91

1,2-Dichlorobenzene

Concen: 0.239 ug/l

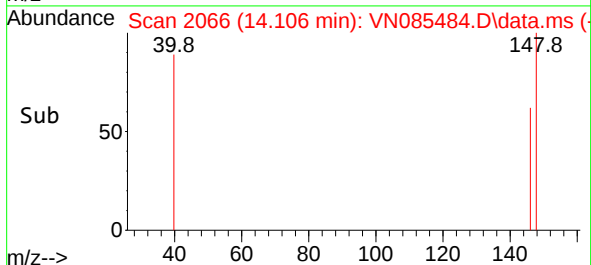
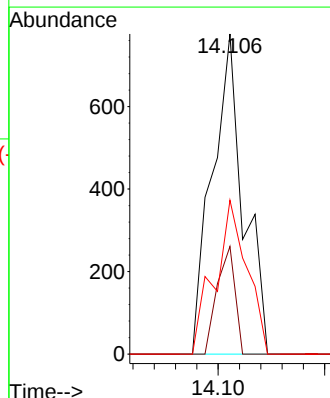
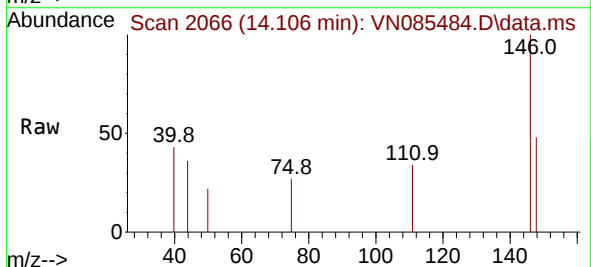
RT: 14.106 min Scan# 2066

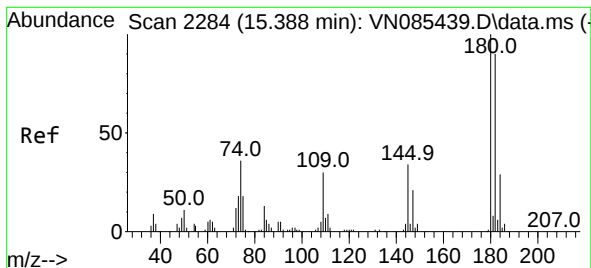
Delta R.T. 0.006 min

Lab File: VN085484.D

Acq: 17 Jan 2025 11:37

Tgt Ion: 146	Resp:	794
Ion	Ratio	Lower Upper
146	100	
111	19.1	21.7 65.1#
148	49.4	31.4 94.2





#93

1,2,4-Trichlorobenzene

Concen: 0.641 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

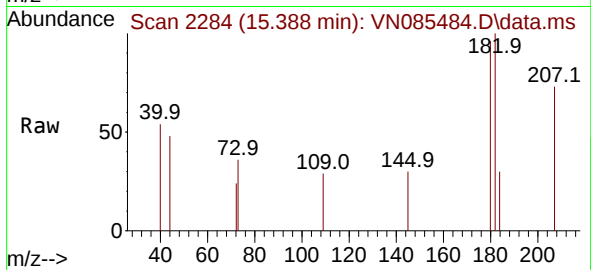
Lab File: VN085484.D

Acq: 17 Jan 2025 11:37

Instrument :

MSVOA_N

ClientSampleId :



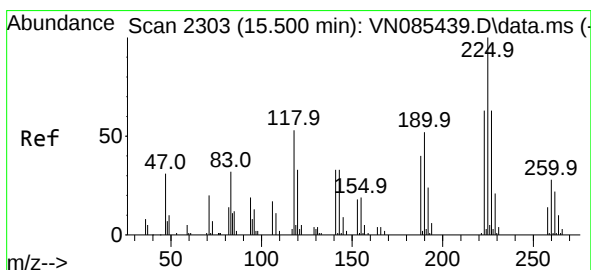
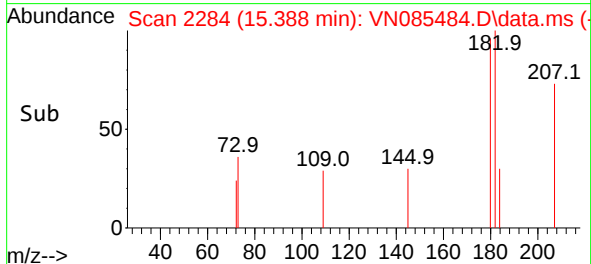
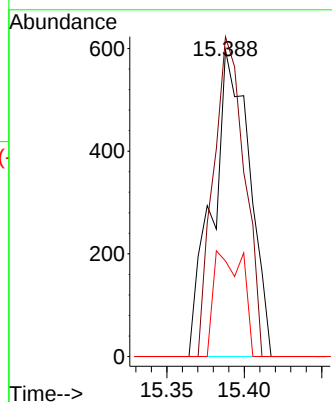
Tgt Ion:180 Resp: 992

Ion Ratio Lower Upper

180 100

182 87.8 46.8 140.3

145 26.7 16.0 48.0



#94

Hexachlorobutadiene

Concen: 0.737 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN085484.D

Acq: 17 Jan 2025 11:37

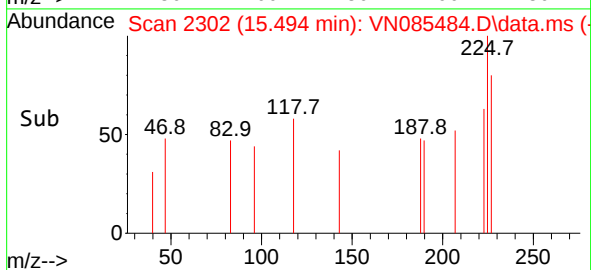
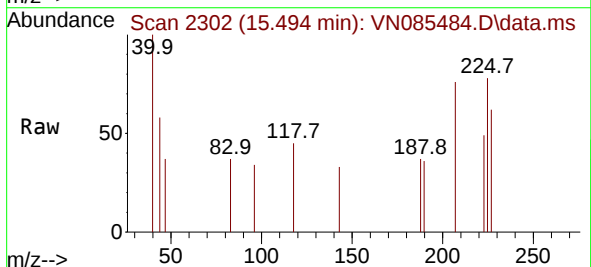
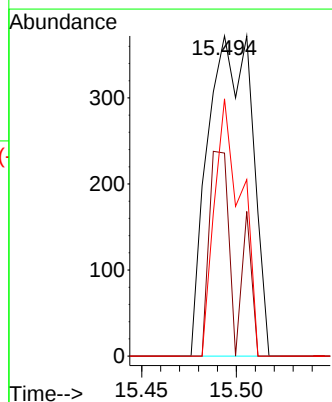
Tgt Ion:225 Resp: 605

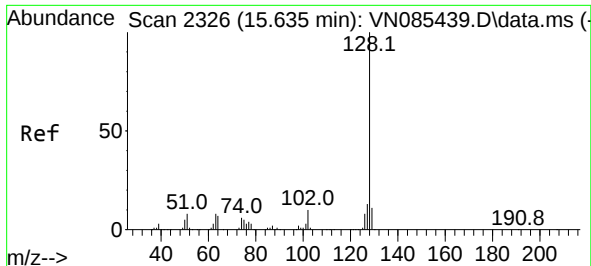
Ion Ratio Lower Upper

225 100

223 37.5 30.7 92.1

227 49.3 30.9 92.5

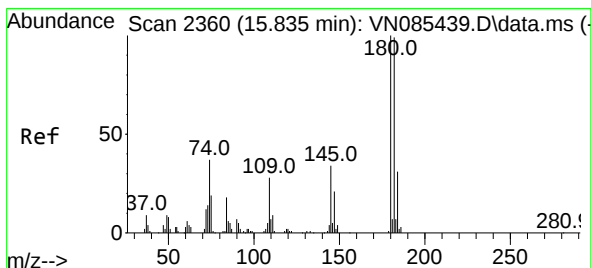
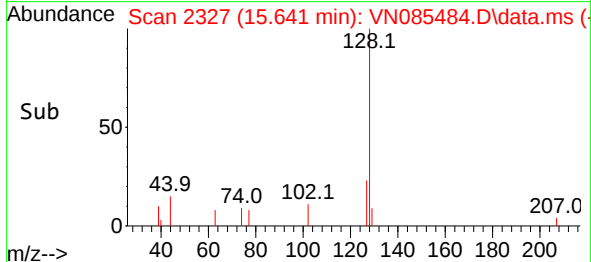
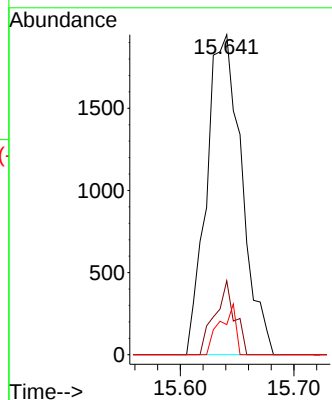
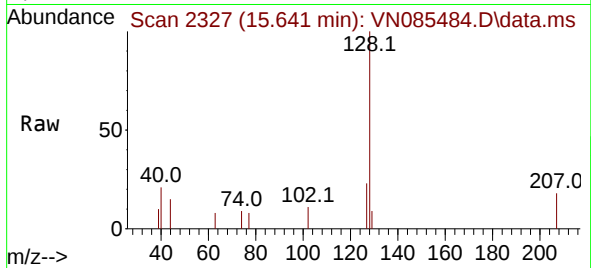




#95
Naphthalene
Concen: 0.904 ug/l
RT: 15.641 min Scan# 2326
Delta R.T. 0.006 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 4171
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 7.2 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.926 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085484.D
Acq: 17 Jan 2025 11:37

Tgt Ion:180 Resp: 1449
Ion Ratio Lower Upper
180 100
182 78.0 47.4 142.2
145 19.5 16.9 50.7

