

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
 Data File : VN085522.D
 Acq On : 27 Jan 2025 17:34
 Operator : JC\MD
 Sample : Q1194-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 28 02:03:21 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)

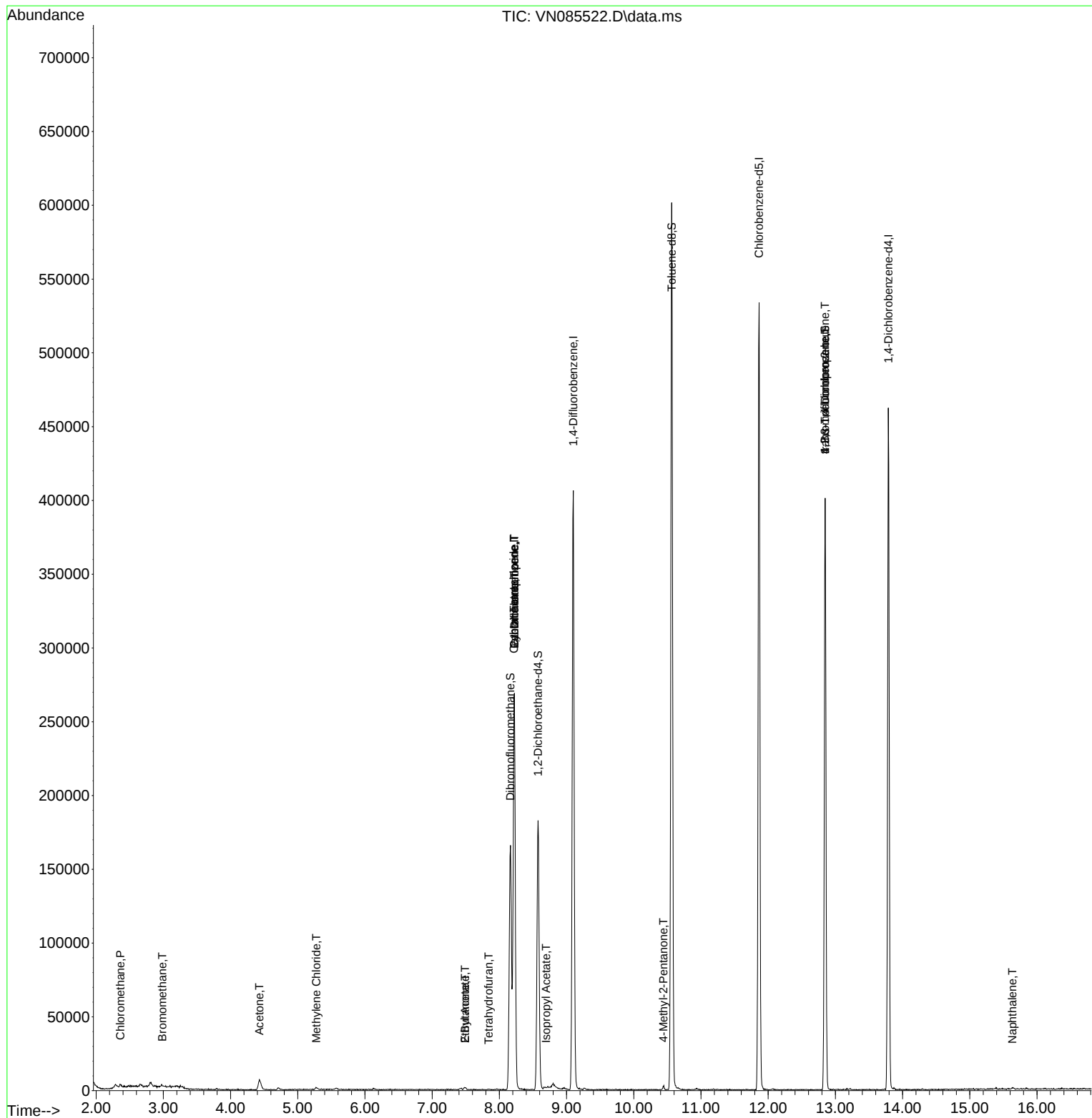
Internal Standards							
1) Pentafluorobenzene		8.223	168	183185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		9.100	114	328127	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.864	117	291508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.788	152	116497	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.576	65	154331	52.192	ug/l	0.00
Spiked Amount 50.000		Range 74 - 125		Recovery = 104.380%			
35) Dibromofluoromethane		8.165	113	118364	51.996	ug/l	0.00
Spiked Amount 50.000		Range 75 - 124		Recovery = 104.000%			
50) Toluene-d8		10.564	98	401477	49.639	ug/l	0.00
Spiked Amount 50.000		Range 86 - 113		Recovery = 99.280%			
62) 4-Bromofluorobenzene		12.847	95	133341	48.195	ug/l	0.00
Spiked Amount 50.000		Range 77 - 121		Recovery = 96.400%			
Target Compounds							
							Qvalue
3) Chloromethane		2.359	50	1180	0.439	ug/l	95
5) Bromomethane		2.983	94	705	0.432	ug/l	98
16) Acetone		4.430	43	13366	13.990	ug/l	90
20) Methylene Chloride		5.277	84	707	0.299	ug/l #	45
25) 2-Butanone		7.488	43	2559	1.820	ug/l	99
29) Tetrahydrofuran		7.841	42	330	0.370	ug/l #	34
31) Cyclohexane		8.223	56	4725	1.259	ug/l #	29
36) 1,1-Dichloropropene		8.223	75	17033	5.331	ug/l #	52
37) Ethyl Acetate		7.488	43	2559	0.794	ug/l #	70
38) Carbon Tetrachloride		8.218	117	20556	5.620	ug/l #	18
43) Isopropyl Acetate		8.694	43	1098	0.212	ug/l #	55
51) 4-Methyl-2-Pentanone		10.441	43	1793	0.598	ug/l #	75
76) 1,2,3-Trichloropropane		12.847	75	74560	31.489	ug/l #	1
81) trans-1,4-Dichloro-2-b...		12.847	75	74560	85.195	ug/l #	3
95) Naphthalene		15.635	128	1734	0.331	ug/l #	69

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

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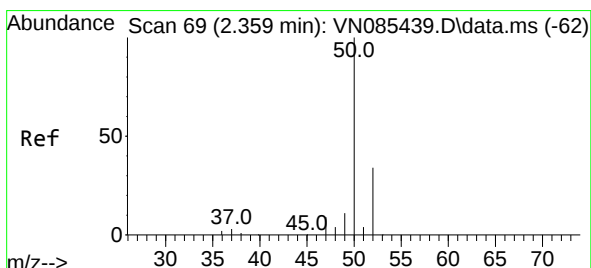
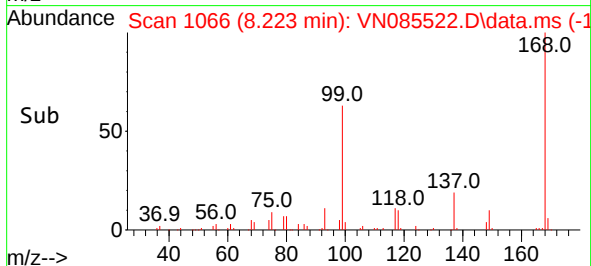
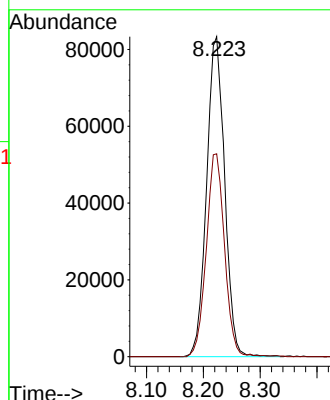
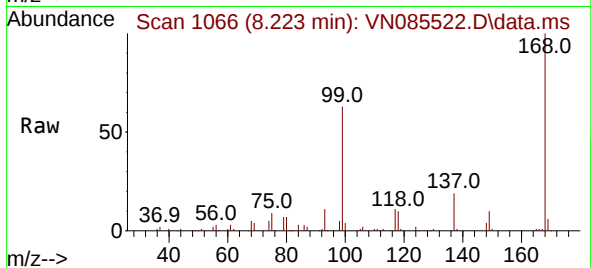




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.223 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN085522.D
Acq: 27 Jan 2025 17:34

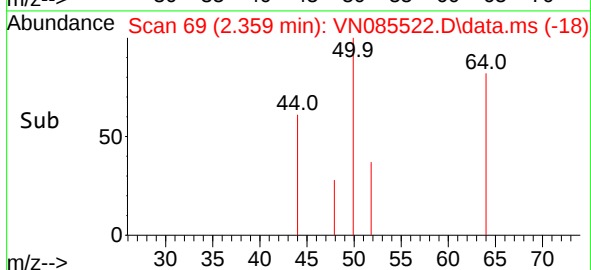
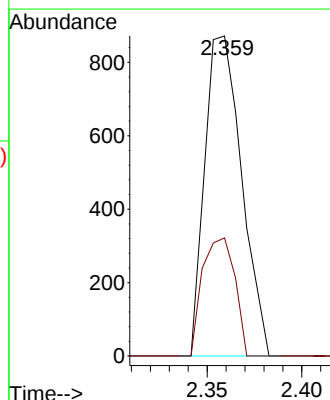
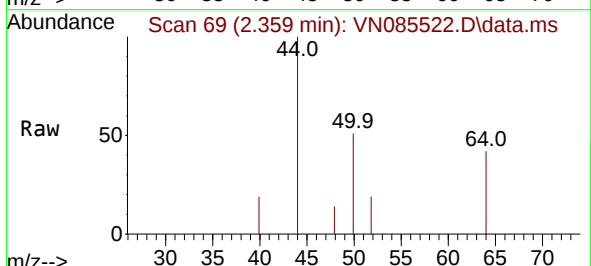
Instrument :
MSVOA_N
ClientSampleId :

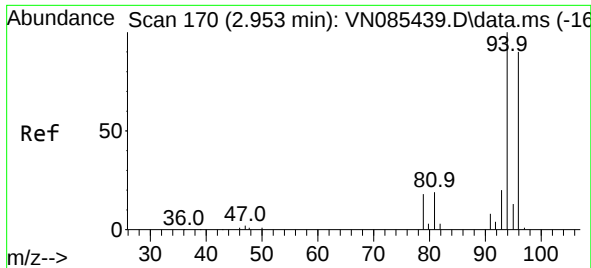
Tgt Ion:168 Resp: 183185
Ion Ratio Lower Upper
168 100
99 63.4 53.6 80.4



#3
Chloromethane
Concen: 0.439 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085522.D
Acq: 27 Jan 2025 17:34

Tgt Ion: 50 Resp: 1180
Ion Ratio Lower Upper
50 100
52 36.9 27.0 40.6

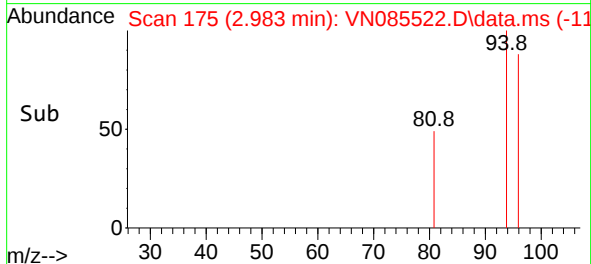
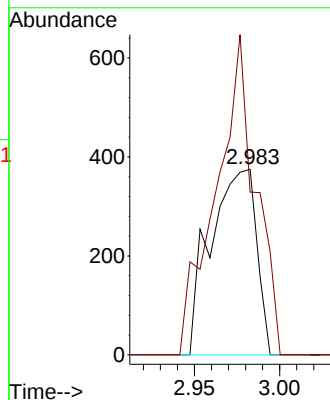
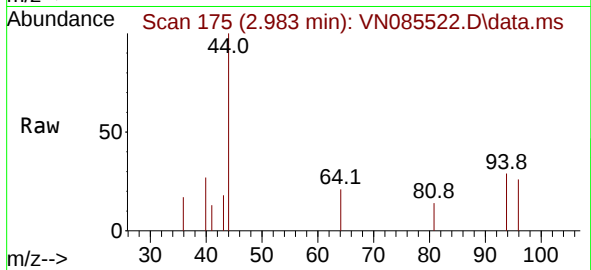




#5
Bromomethane
Concen: 0.432 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN085522.D
Acq: 27 Jan 2025 17:34

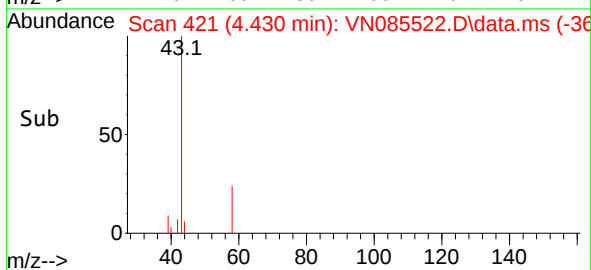
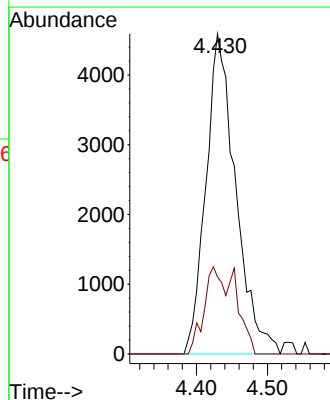
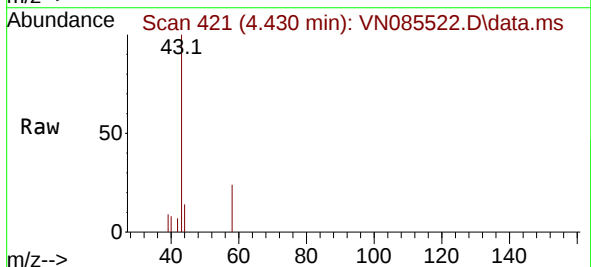
Instrument :
MSVOA_N
ClientSampleId :

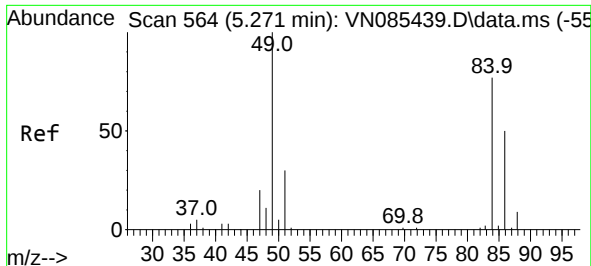
Tgt Ion: 94 Resp: 705
Ion Ratio Lower Upper
94 100
96 87.7 71.8 107.6



#16
Acetone
Concen: 13.990 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.011 min
Lab File: VN085522.D
Acq: 27 Jan 2025 17:34

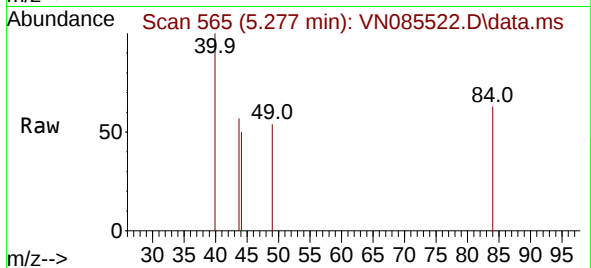
Tgt Ion: 43 Resp: 13366
Ion Ratio Lower Upper
43 100
58 24.1 23.8 35.6



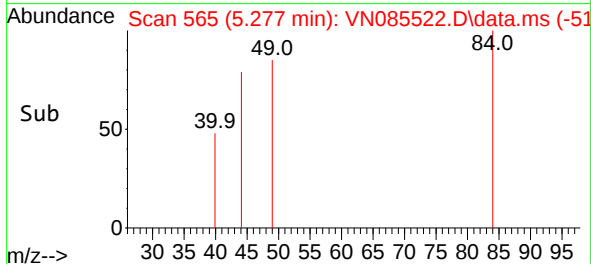
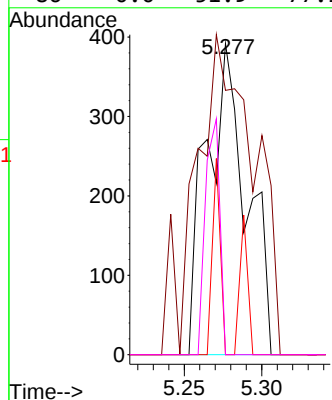


#20
Methylene Chloride
Concen: 0.299 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085522.D
Acq: 27 Jan 2025 17:34

Instrument :
MSVOA_N
ClientSampleId :

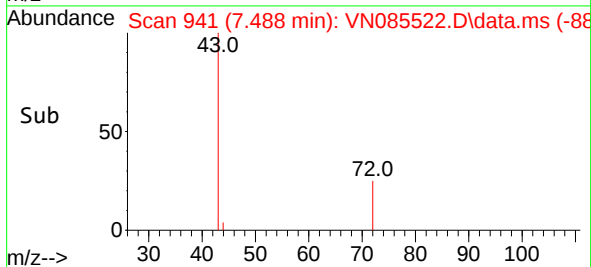
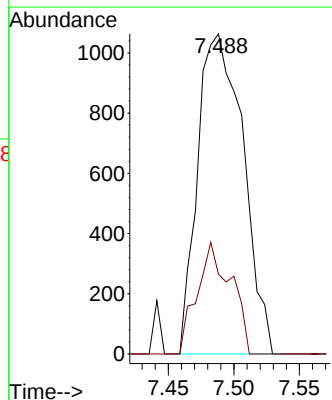
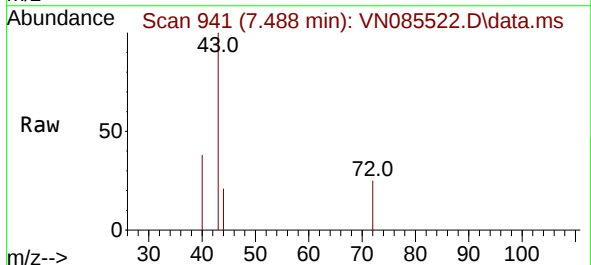


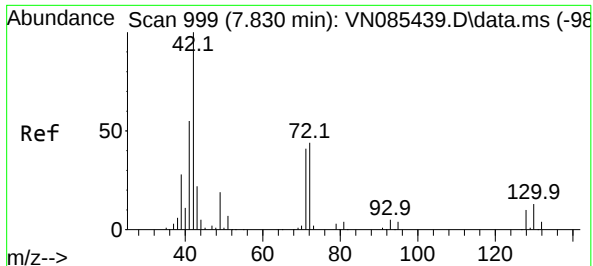
Tgt Ion:	84	Resp:	707
Ion	Ratio	Lower	Upper
84	100		
49	84.9	104.1	156.1#
51	0.0	31.0	46.4#
86	0.0	51.9	77.9#



#25
2-Butanone
Concen: 1.820 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.011 min
Lab File: VN085522.D
Acq: 27 Jan 2025 17:34

Tgt Ion:	43	Resp:	2559
Ion	Ratio	Lower	Upper
43	100		
72	24.9	20.2	30.4





#29

Tetrahydrofuran

Concen: 0.370 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.011 min

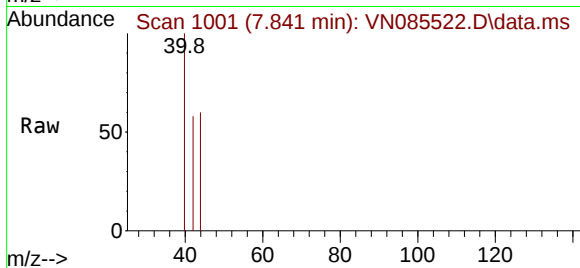
Lab File: VN085522.D

Acq: 27 Jan 2025 17:34

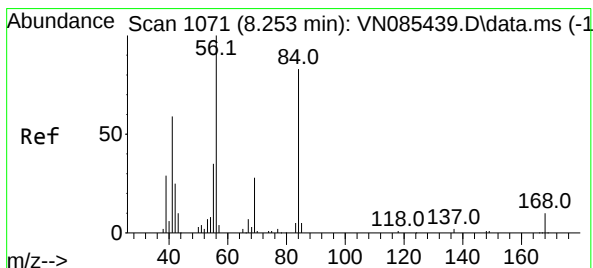
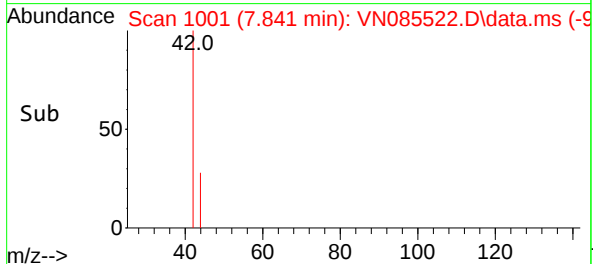
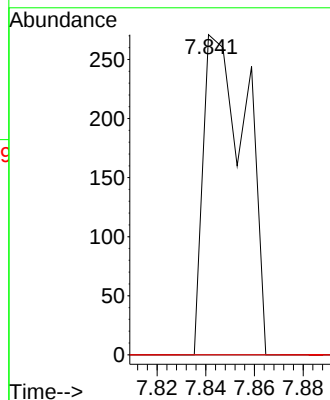
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	330
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.2#
71	0.0	32.5	48.7#



#31

Cyclohexane

Concen: 1.259 ug/l

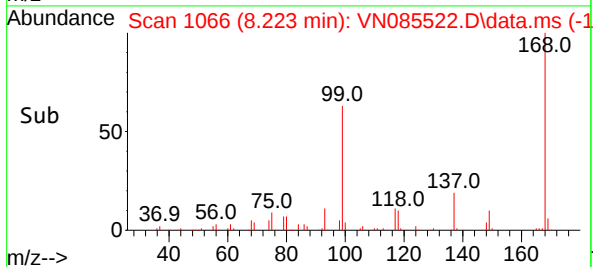
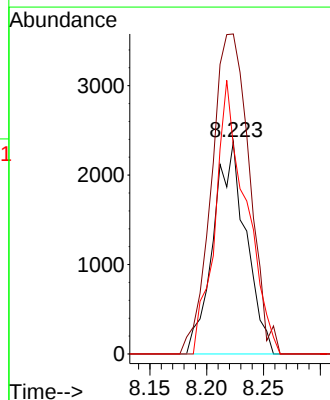
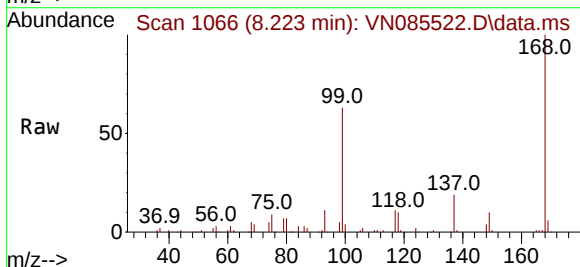
RT: 8.223 min Scan# 1066

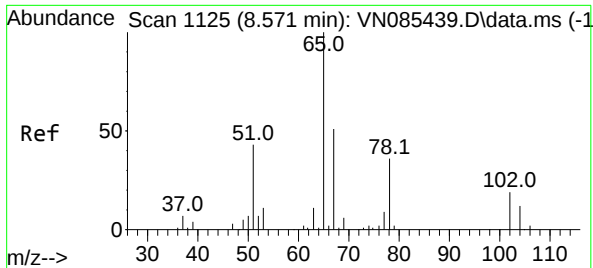
Delta R.T. -0.030 min

Lab File: VN085522.D

Acq: 27 Jan 2025 17:34

Tgt Ion:	56	Resp:	4725
Ion	Ratio	Lower	Upper
56	100		
69	150.8	22.2	33.4#
84	98.1	66.4	99.6





#33

1,2-Dichloroethane-d4

Concen: 52.192 ug/l

RT: 8.576 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085522.D

Acq: 27 Jan 2025 17:34

Instrument :

MSVOA_N

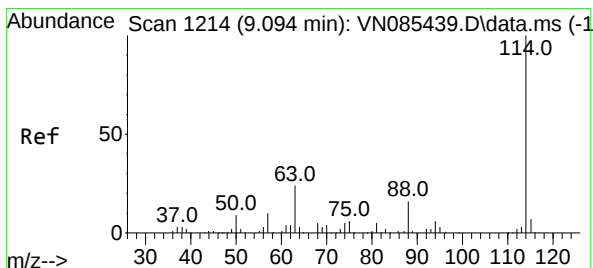
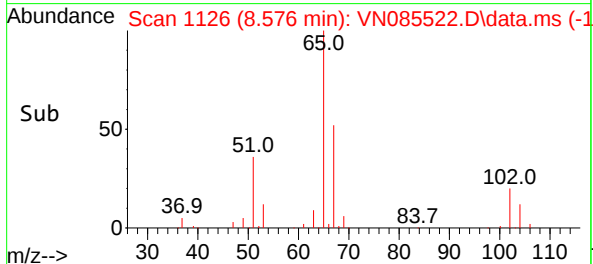
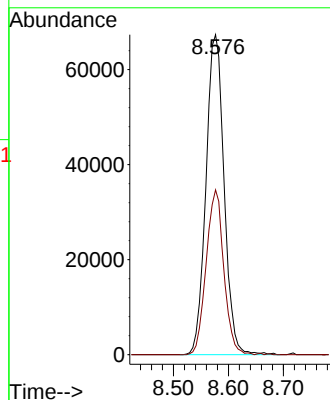
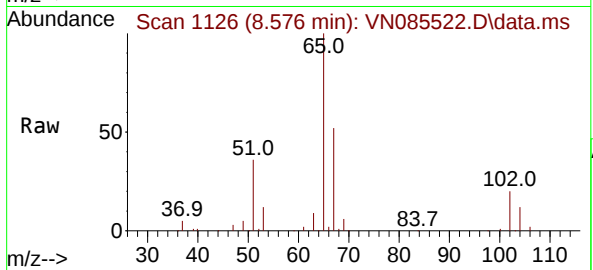
ClientSampleId :

Tgt Ion: 65 Resp: 154331

Ion Ratio Lower Upper

65 100

67 50.0 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085522.D

Acq: 27 Jan 2025 17:34

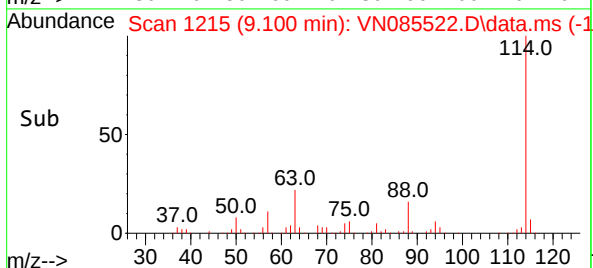
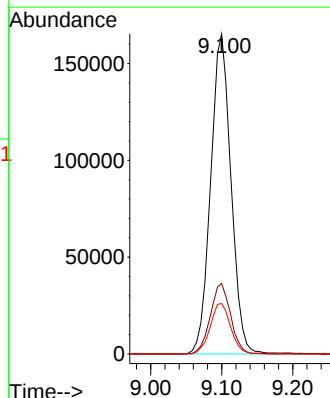
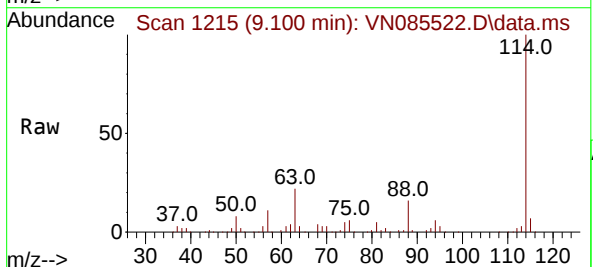
Tgt Ion: 114 Resp: 328127

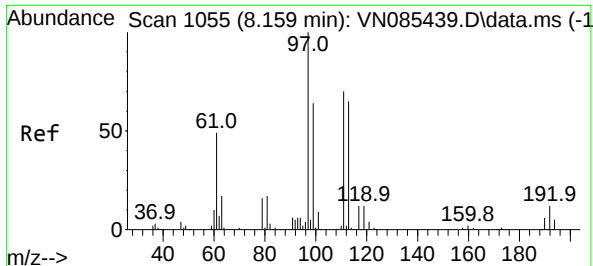
Ion Ratio Lower Upper

114 100

63 22.1 0.0 47.6

88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.996 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

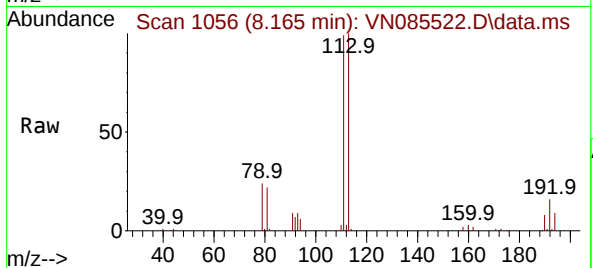
Lab File: VN085522.D

Acq: 27 Jan 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :



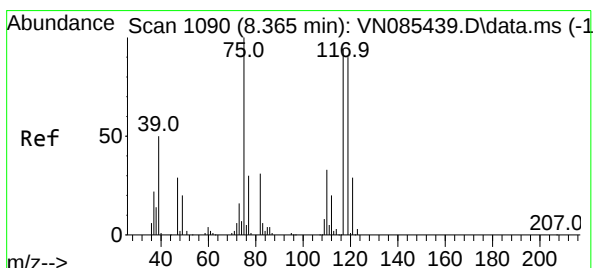
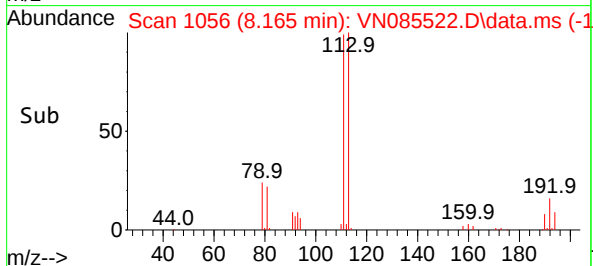
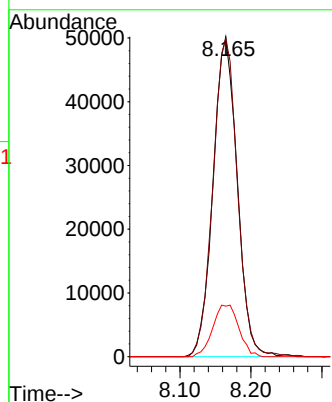
Tgt Ion:113 Resp: 118364

Ion Ratio Lower Upper

113 100

111 101.0 82.7 124.1

192 17.5 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.331 ug/l

RT: 8.223 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085522.D

Acq: 27 Jan 2025 17:34

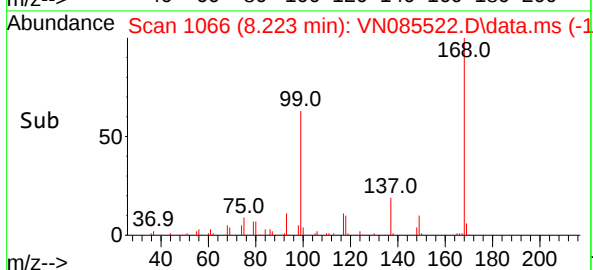
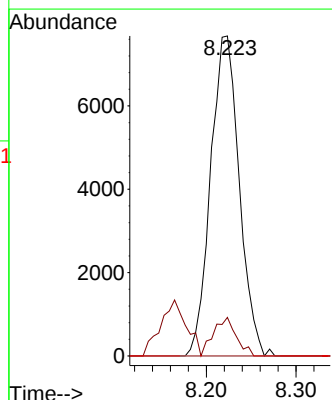
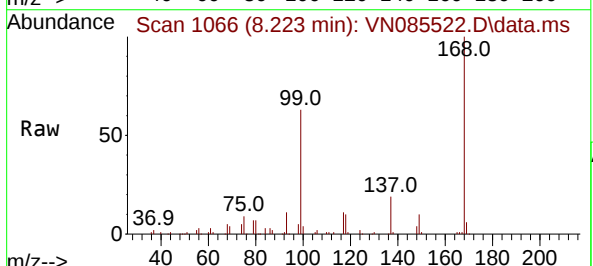
Tgt Ion: 75 Resp: 17033

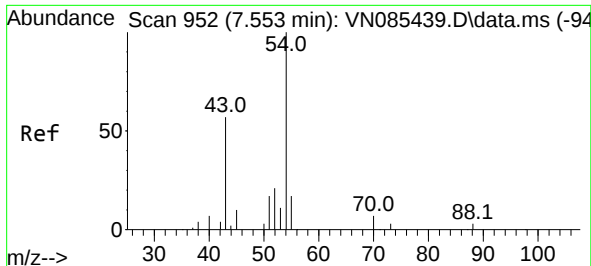
Ion Ratio Lower Upper

75 100

110 9.6 16.5 49.5#

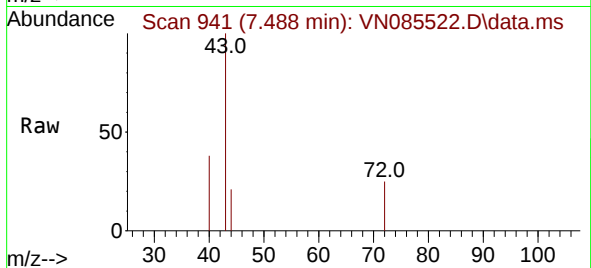
77 0.0 24.4 36.6#



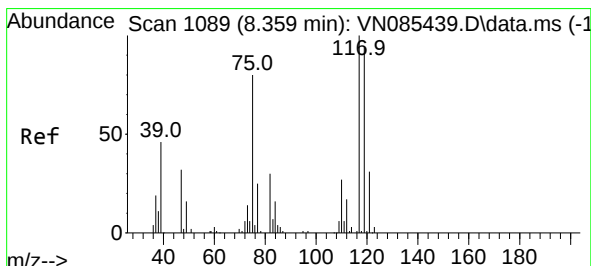
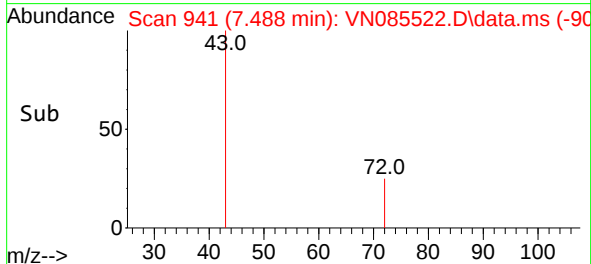
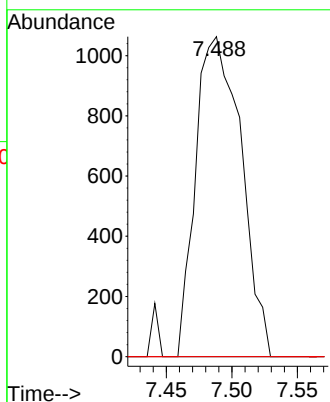


#37
Ethyl Acetate
Concen: 0.794 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.065 min
Lab File: VN085522.D
Acq: 27 Jan 2025 17:34

Instrument :
MSVOA_N
ClientSampleId :

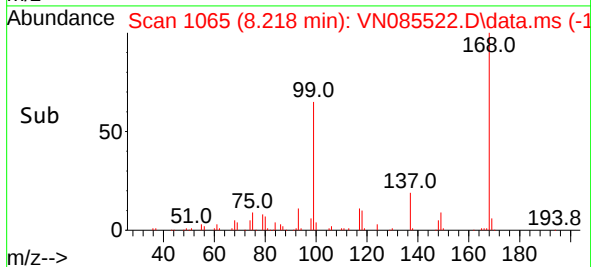
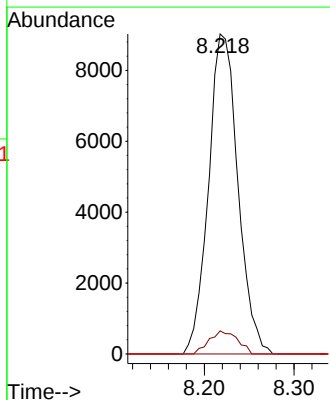
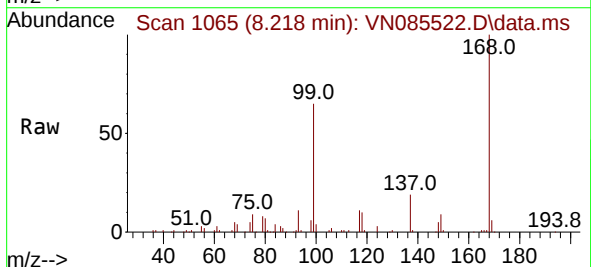


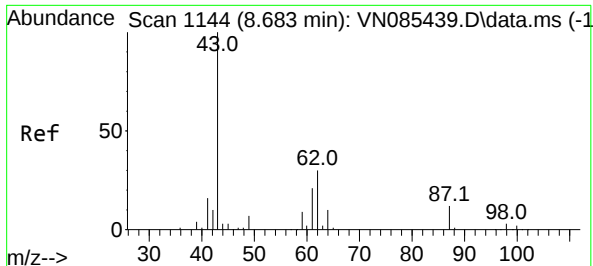
Tgt Ion: 43 Resp: 2559
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.620 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085522.D
Acq: 27 Jan 2025 17:34

Tgt Ion: 117 Resp: 20556
Ion Ratio Lower Upper
117 100
119 7.2 75.4 113.2#
121 0.0 24.6 37.0#

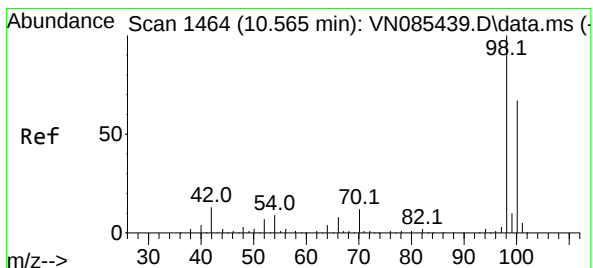
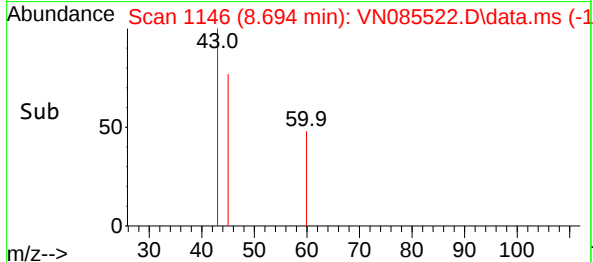
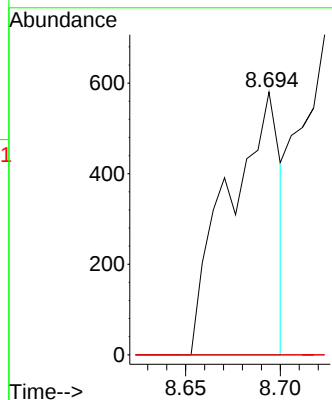
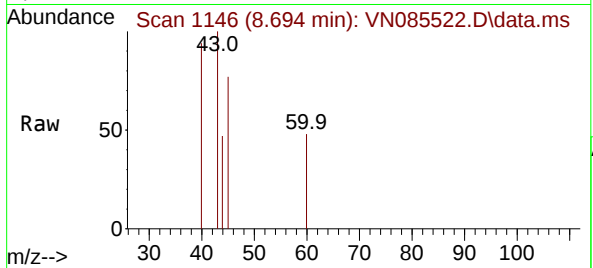




#43
Isopropyl Acetate
Concen: 0.212 ug/l
RT: 8.694 min Scan# 1144
Delta R.T. 0.011 min
Lab File: VN085522.D
Acq: 27 Jan 2025 17:34

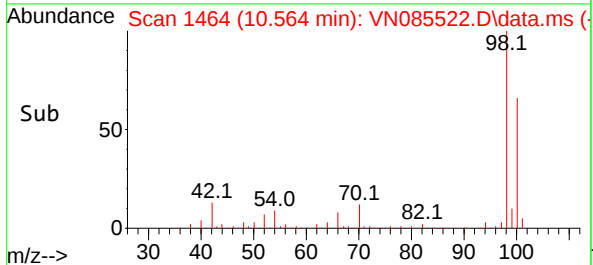
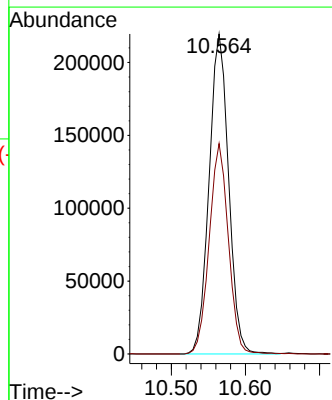
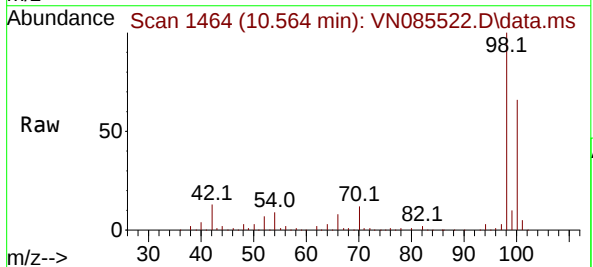
Instrument :
MSVOA_N
ClientSampleId :

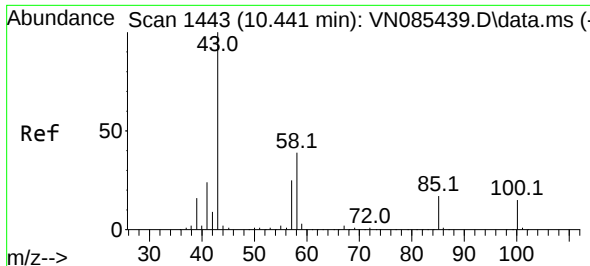
Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 0.0 9.8 14.8#



#50
Toluene-d8
Concen: 49.639 ug/l
RT: 10.564 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085522.D
Acq: 27 Jan 2025 17:34

Tgt Ion: 98 Resp: 401477
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4

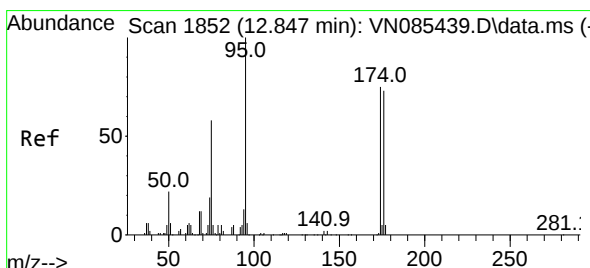
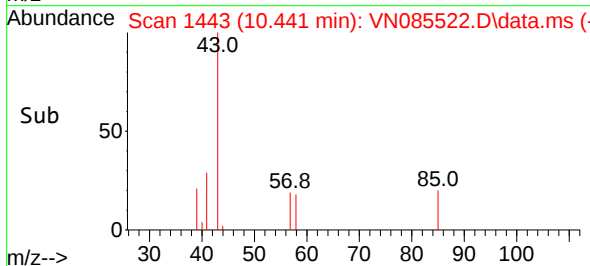
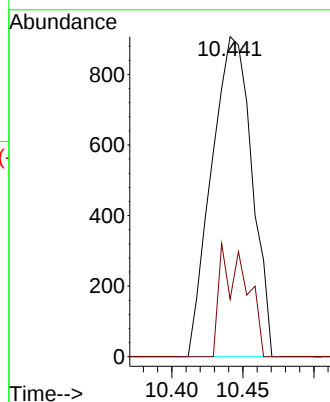
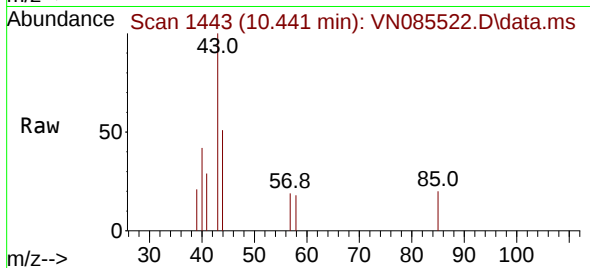




#51
4-Methyl-2-Pentanone
Concen: 0.598 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085522.D
Acq: 27 Jan 2025 17:34

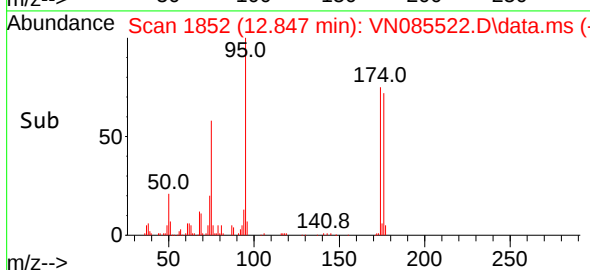
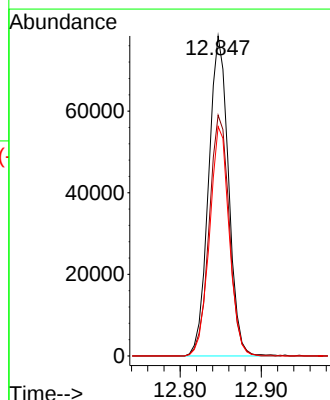
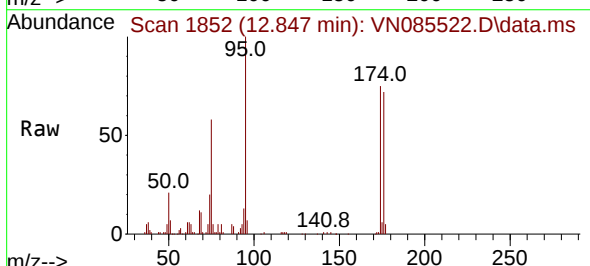
Instrument :
MSVOA_N
ClientSampleId :

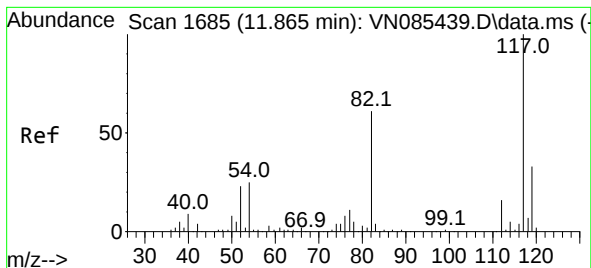
Tgt Ion: 43 Resp: 1793
Ion Ratio Lower Upper
43 100
58 22.8 30.5 45.7#



#62
4-Bromofluorobenzene
Concen: 48.195 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085522.D
Acq: 27 Jan 2025 17:34

Tgt Ion: 95 Resp: 133341
Ion Ratio Lower Upper
95 100
174 76.1 0.0 145.0
176 70.7 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.864 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085522.D

Acq: 27 Jan 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :

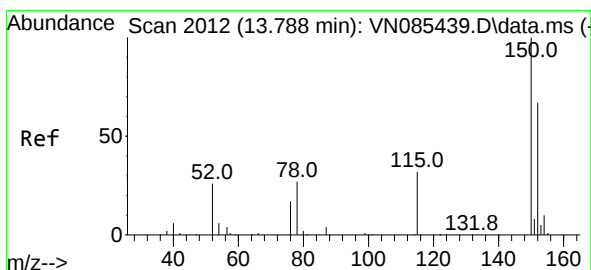
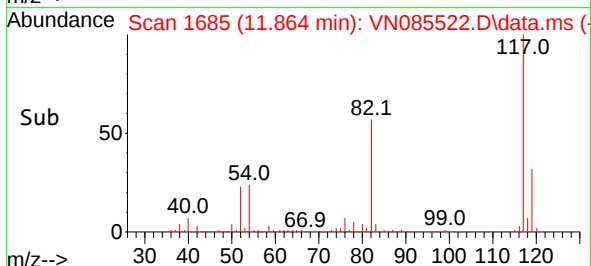
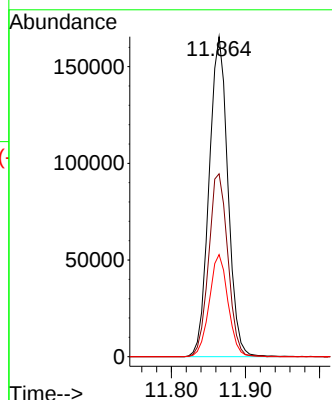
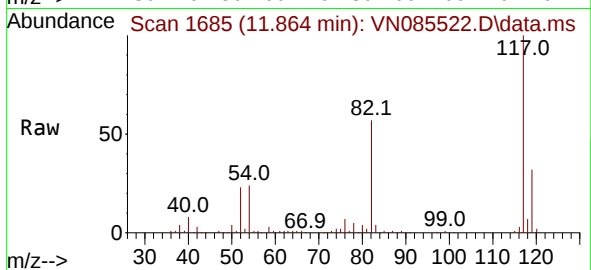
Tgt Ion:117 Resp: 291508

Ion Ratio Lower Upper

117 100

82 57.1 48.6 72.8

119 31.9 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: VN085522.D

Acq: 27 Jan 2025 17:34

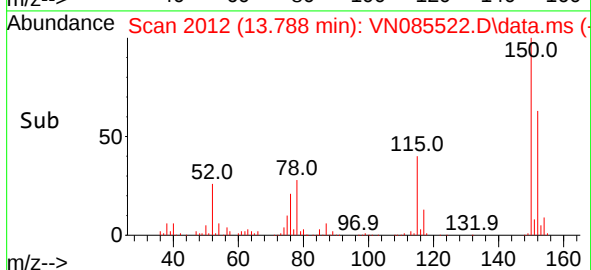
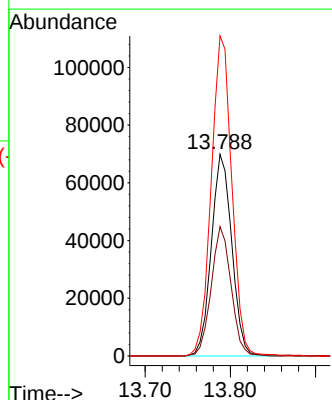
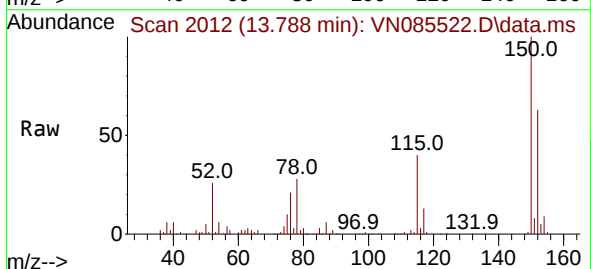
Tgt Ion:152 Resp: 116497

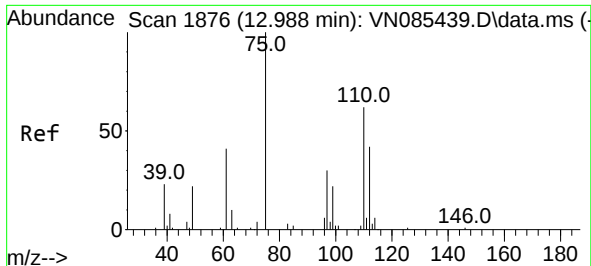
Ion Ratio Lower Upper

152 100

115 62.1 31.1 93.3

150 159.7 0.0 343.6

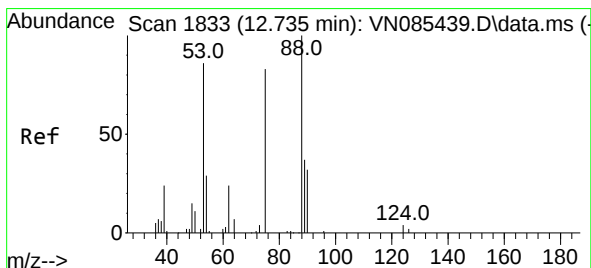
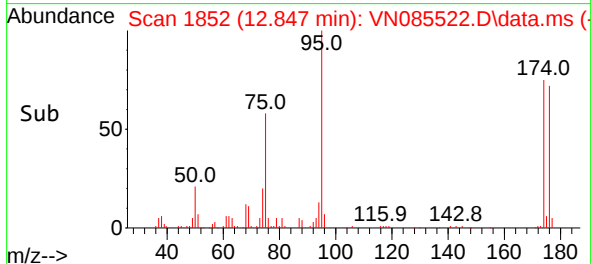
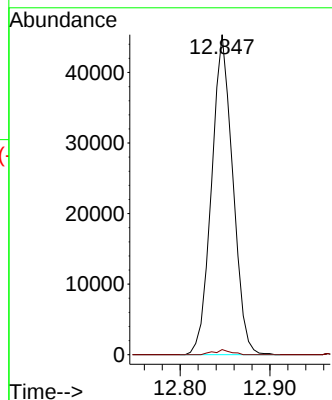
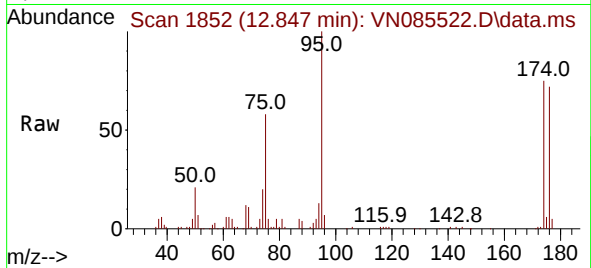




#76
1,2,3-Trichloropropane
Concen: 31.489 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085522.D
Acq: 27 Jan 2025 17:34

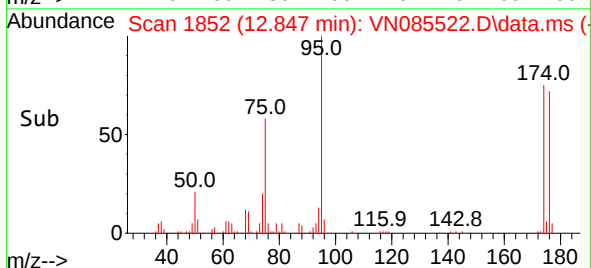
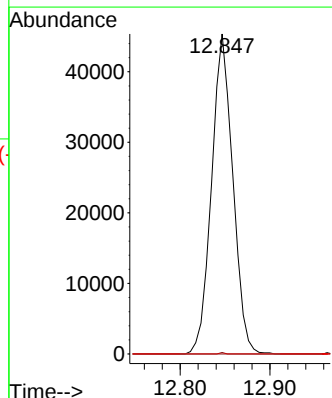
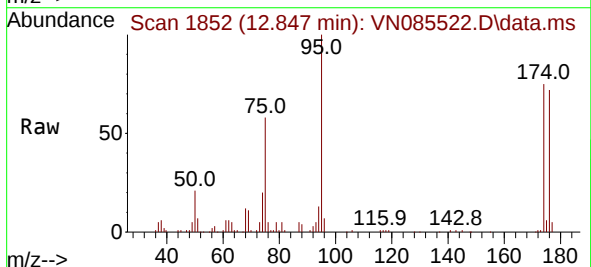
Instrument :
MSVOA_N
ClientSampleId :

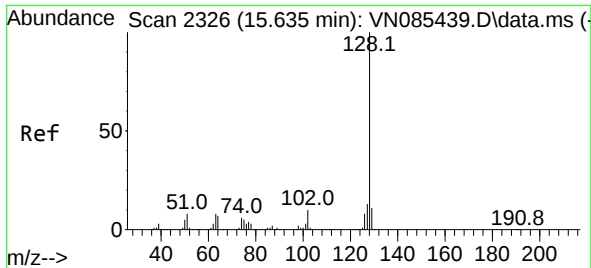
Tgt Ion: 75 Resp: 74560
Ion Ratio Lower Upper
75 100
77 1.3 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.195 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.111 min
Lab File: VN085522.D
Acq: 27 Jan 2025 17:34

Tgt Ion: 75 Resp: 74560
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#





#95

Naphthalene

Concen: 0.331 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.000 min

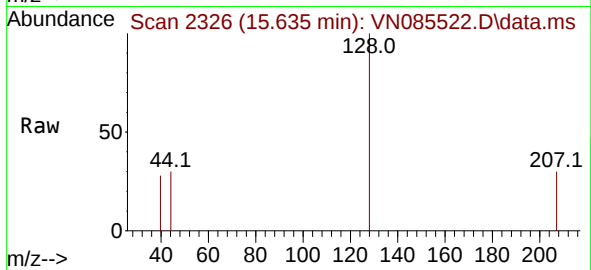
Lab File: VN085522.D

Acq: 27 Jan 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	128	Resp:	1734
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.8	13.2#

