

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
 Data File : VN085727.D
 Acq On : 10 Feb 2025 16:35
 Operator : JC\MD
 Sample : Q1328-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 11 03:25:28 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)

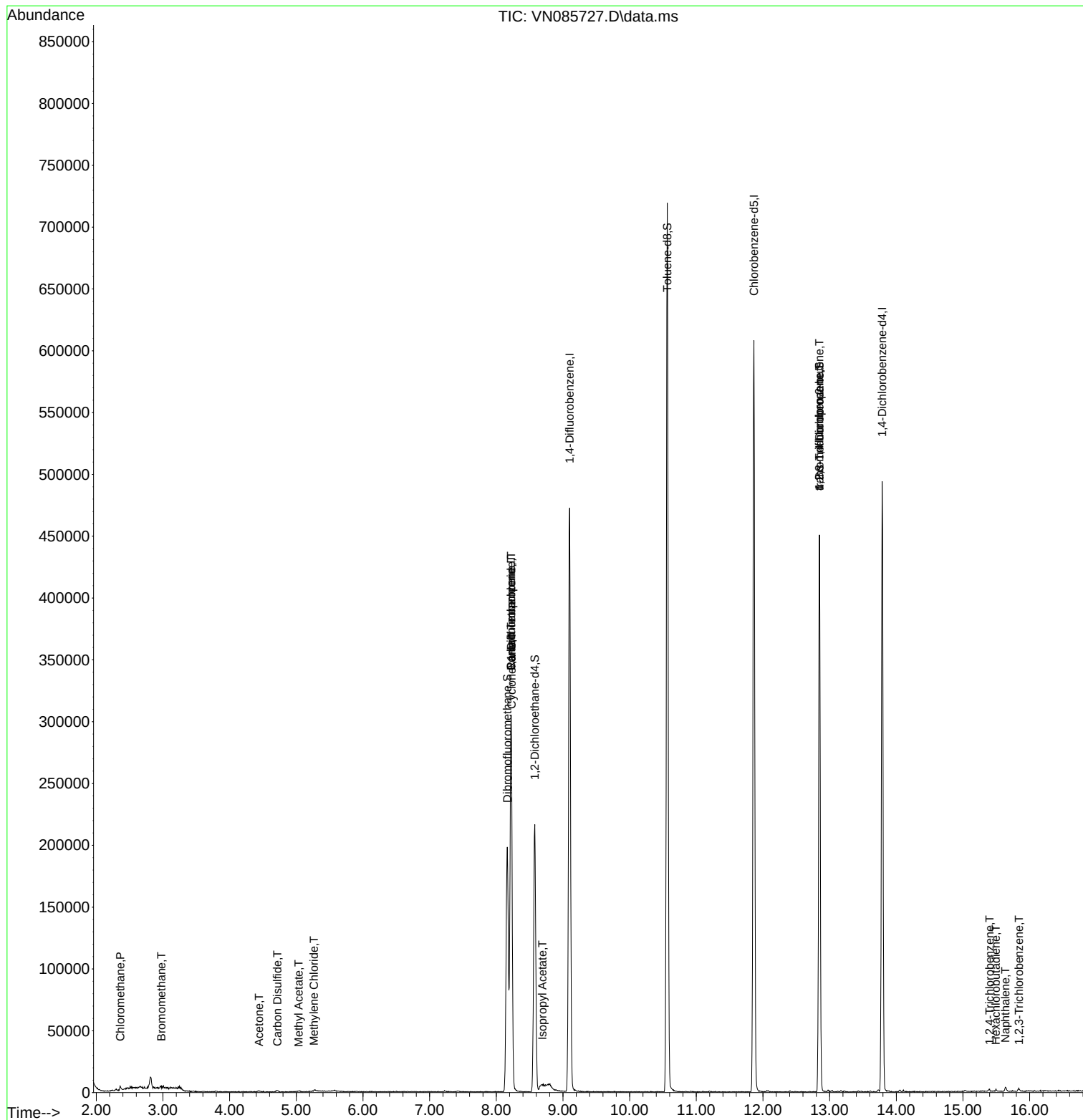
Internal Standards						
1) Pentafluorobenzene	8.224	168	220063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	405237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	352429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	133160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	177107	49.857	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.720%		
35) Dibromofluoromethane	8.165	113	144221	51.300	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.600%		
50) Toluene-d8	10.565	98	493057	49.362	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.720%		
62) 4-Bromofluorobenzene	12.847	95	151635	44.378	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	88.760%		
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	2608	0.808	ug/l	92
5) Bromomethane	2.977	94	911	0.465	ug/l	98
16) Acetone	4.442	43	1473	1.283	ug/l #	45
17) Carbon Disulfide	4.718	76	2010	0.276	ug/l #	76
18) Methyl Acetate	5.036	43	1205	0.345	ug/l #	64
20) Methylene Chloride	5.265	84	1035	0.364	ug/l #	62
31) Cyclohexane	8.230	56	5448	1.208	ug/l #	4
36) 1,1-Dichloropropene	8.224	75	18773	4.758	ug/l #	51
38) Carbon Tetrachloride	8.224	117	23196	5.135	ug/l #	17
43) Isopropyl Acetate	8.694	43	5021	0.787	ug/l #	55
76) 1,2,3-Trichloropropane	12.847	75	80735	29.830	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80735	80.707	ug/l #	3
93) 1,2,4-Trichlorobenzene	15.400	180	876	0.437	ug/l	96
94) Hexachlorobutadiene	15.494	225	507	0.476	ug/l	80
95) Naphthalene	15.635	128	3874	0.648	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.841	180	1067	0.526	ug/l	94

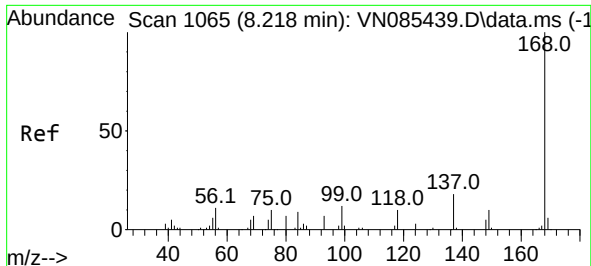
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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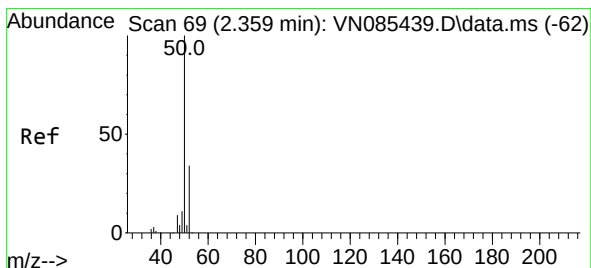
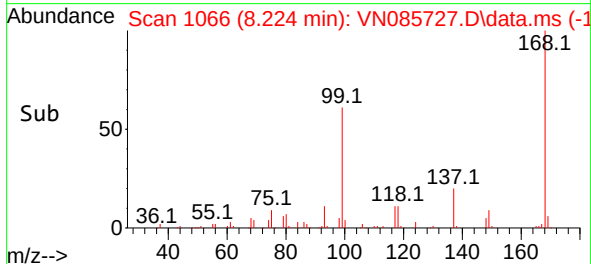
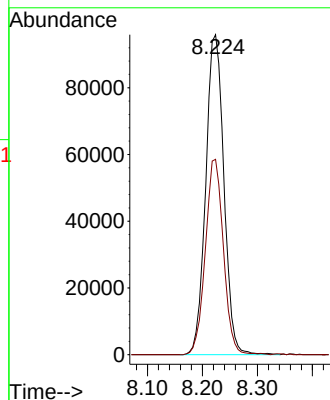
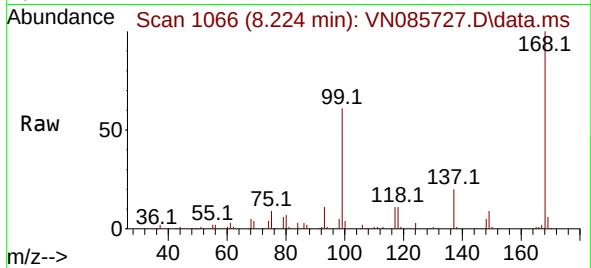




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

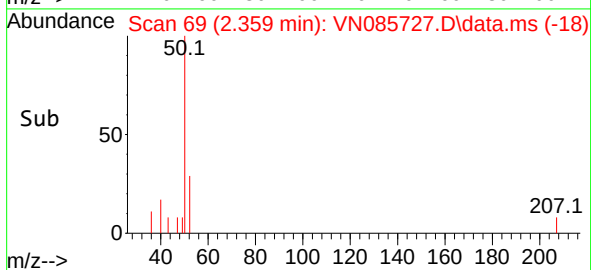
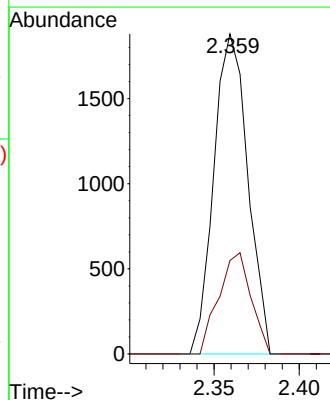
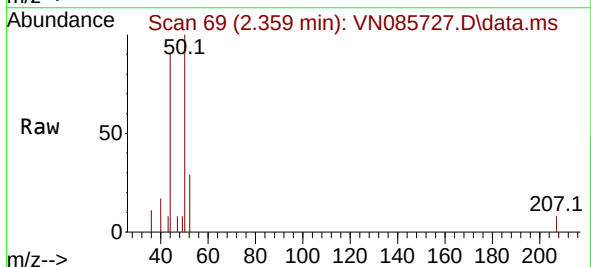
Instrument :
MSVOA_N
ClientSampleId :

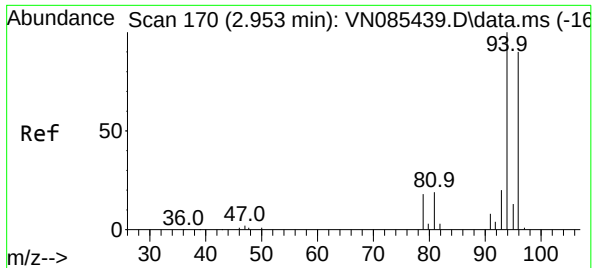
Tgt Ion:168 Resp: 220063
Ion Ratio Lower Upper
168 100
99 61.0 53.6 80.4



#3
Chloromethane
Concen: 0.808 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

Tgt Ion: 50 Resp: 2608
Ion Ratio Lower Upper
50 100
52 29.2 27.0 40.6

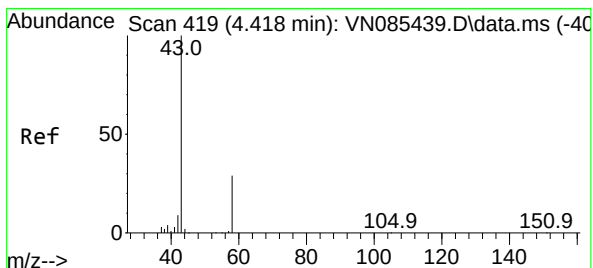
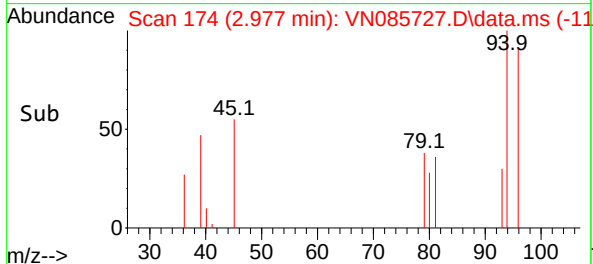
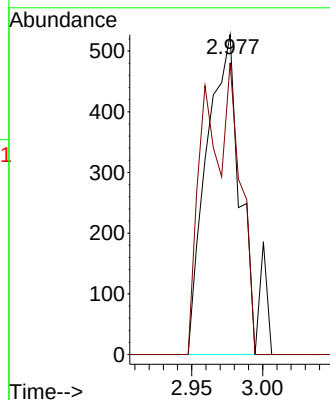
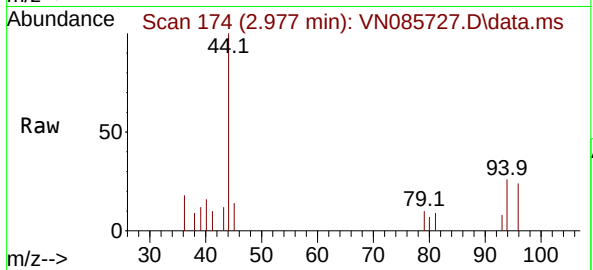




#5
Bromomethane
Concen: 0.465 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

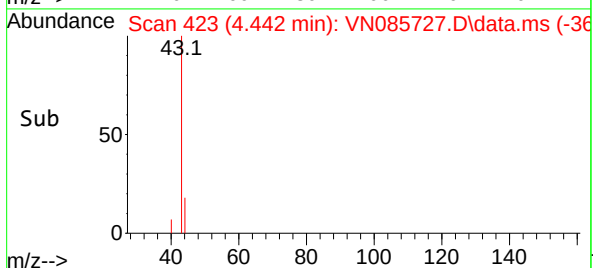
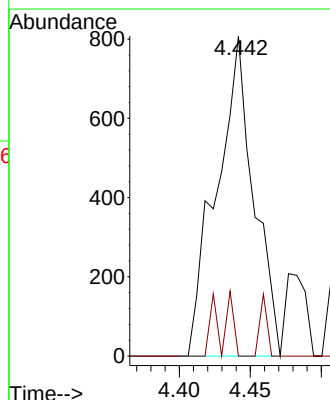
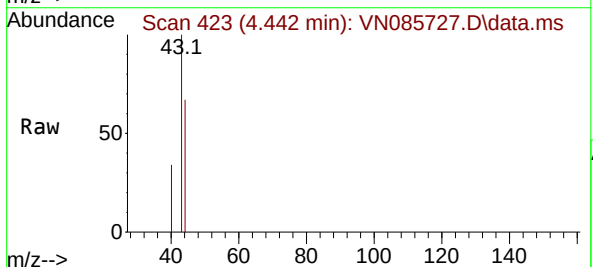
Instrument :
MSVOA_N
ClientSampleId :

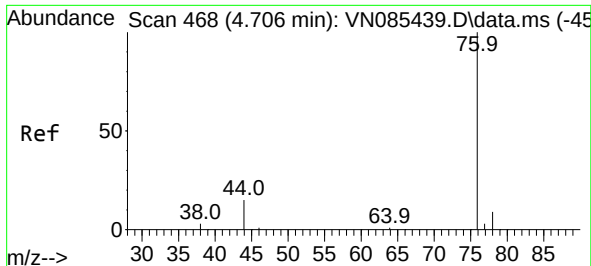
Tgt Ion: 94 Resp: 911
Ion Ratio Lower Upper
94 100
96 91.3 71.8 107.6



#16
Acetone
Concen: 1.283 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.023 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

Tgt Ion: 43 Resp: 1473
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#

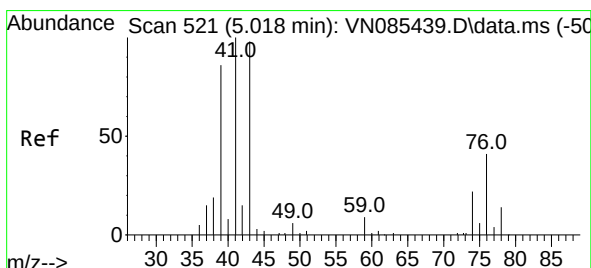
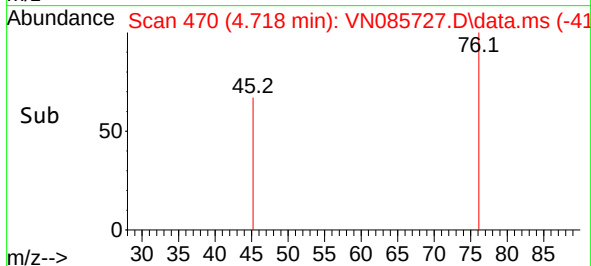
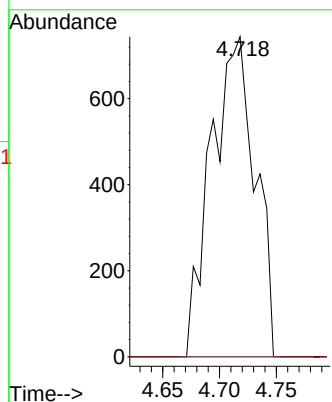
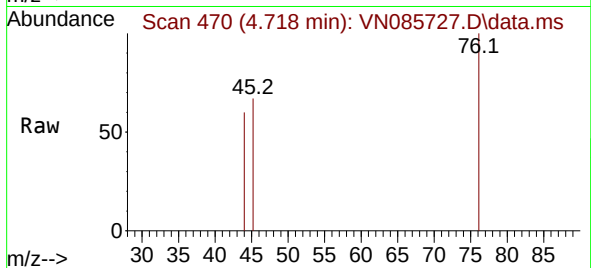




#17
Carbon Disulfide
Concen: 0.276 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

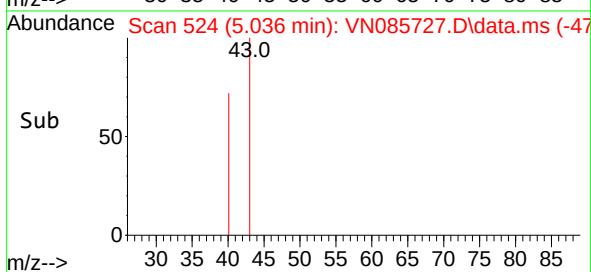
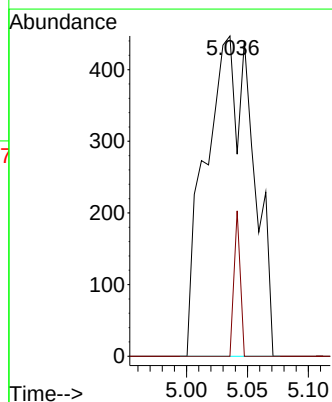
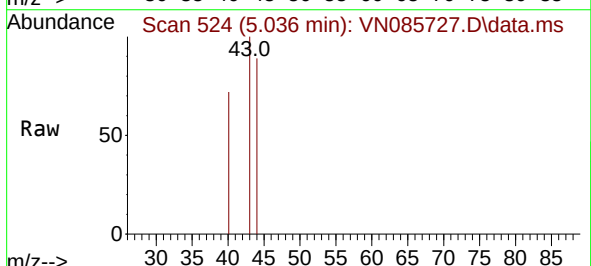
Instrument :
MSVOA_N
ClientSampleId :

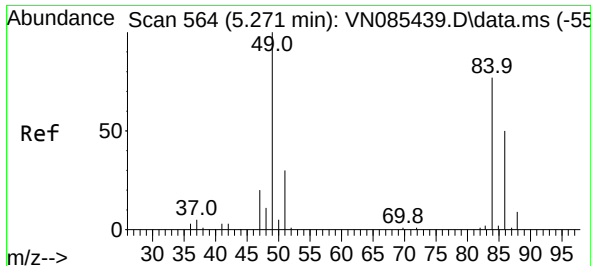
Tgt Ion: 76 Resp: 2010
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#18
Methyl Acetate
Concen: 0.345 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

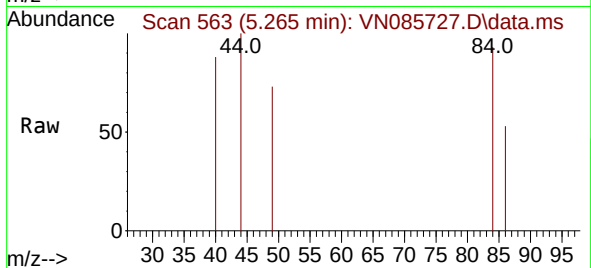
Tgt Ion: 43 Resp: 1205
Ion Ratio Lower Upper
43 100
74 6.0 18.6 28.0#



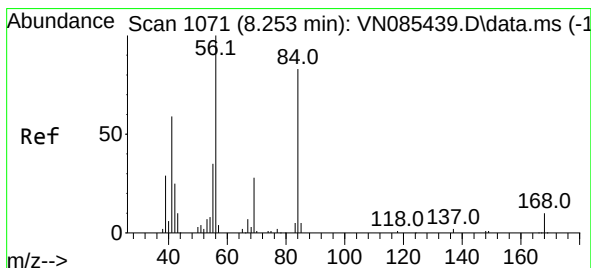
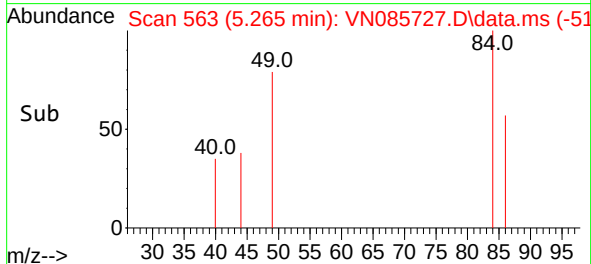
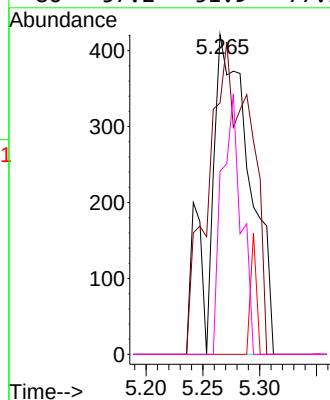


#20
Methylene Chloride
Concen: 0.364 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

Instrument :
MSVOA_N
ClientSampleId :

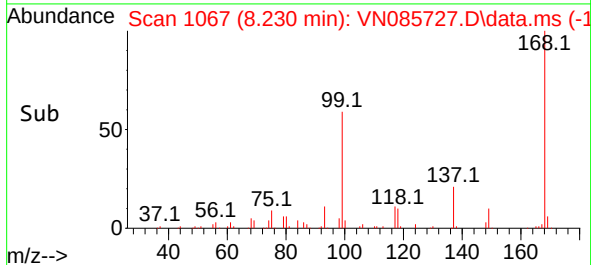
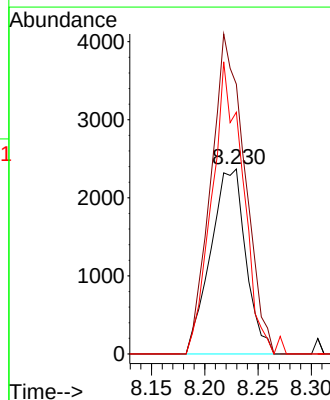
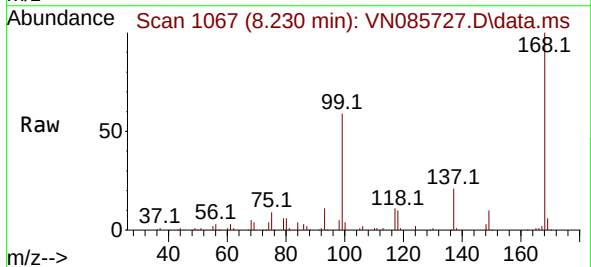


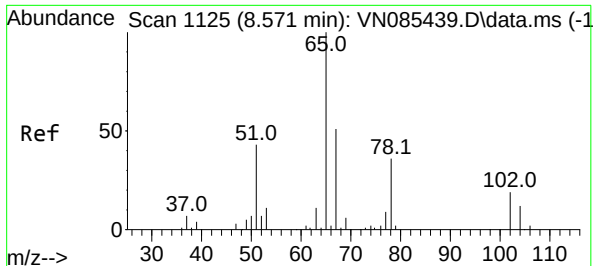
Tgt Ion	Ratio	Lower	Upper
84	100		
49	78.6	104.1	156.1#
51	0.0	31.0	46.4#
86	57.2	51.9	77.9



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

Tgt Ion	Ratio	Lower	Upper
56	100		
69	145.8	22.2	33.4#
84	130.7	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 49.857 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085727.D

Acq: 10 Feb 2025 16:35

Instrument :

MSVOA_N

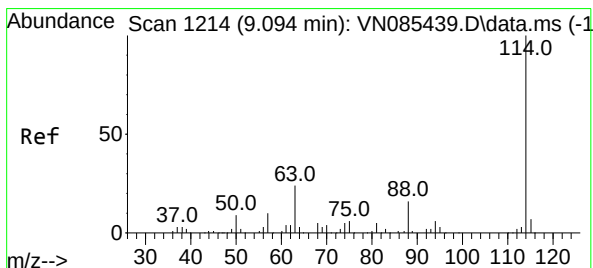
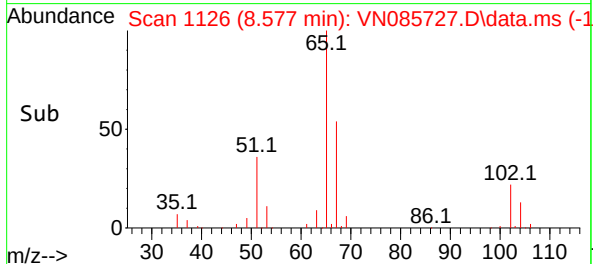
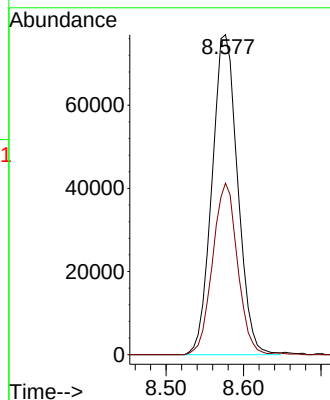
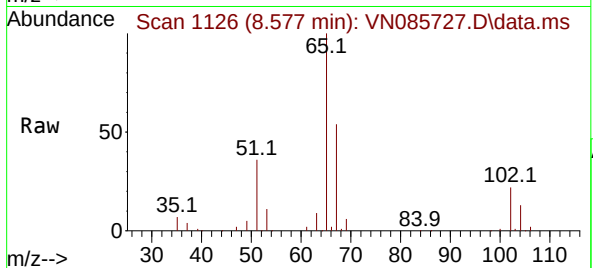
ClientSampleId :

Tgt Ion: 65 Resp: 177107

Ion Ratio Lower Upper

65 100

67 52.0 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: VN085727.D

Acq: 10 Feb 2025 16:35

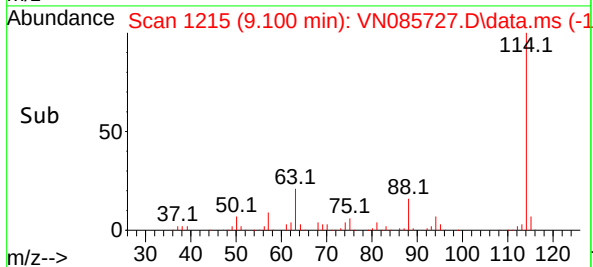
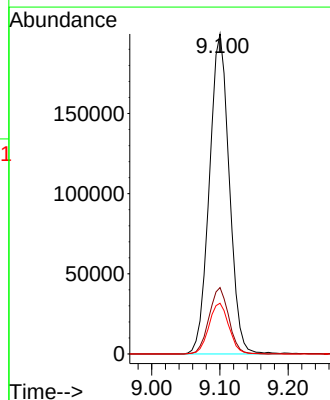
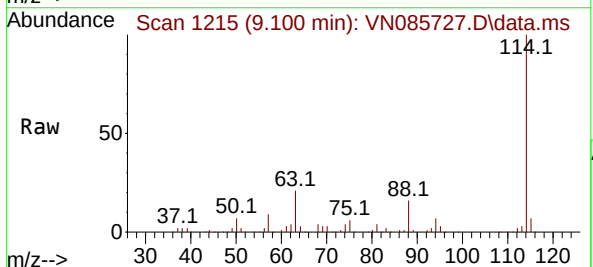
Tgt Ion: 114 Resp: 405237

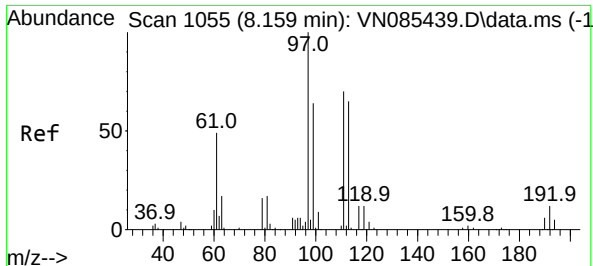
Ion Ratio Lower Upper

114 100

63 20.8 0.0 47.6

88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.300 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

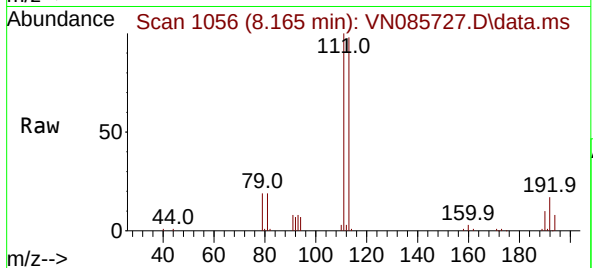
Lab File: VN085727.D

Acq: 10 Feb 2025 16:35

Instrument :

MSVOA_N

ClientSampleId :



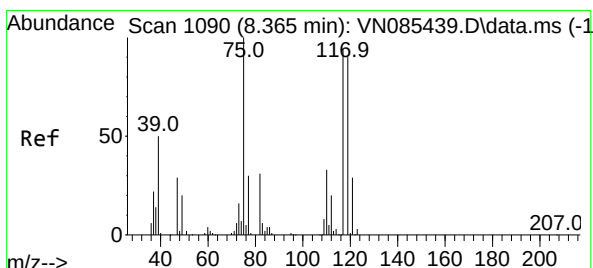
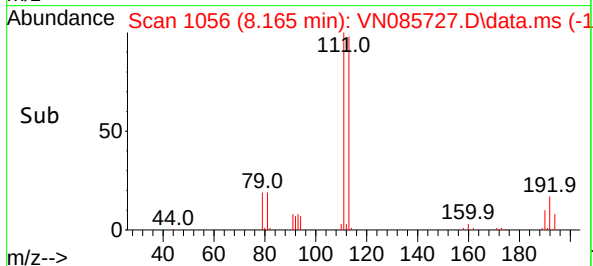
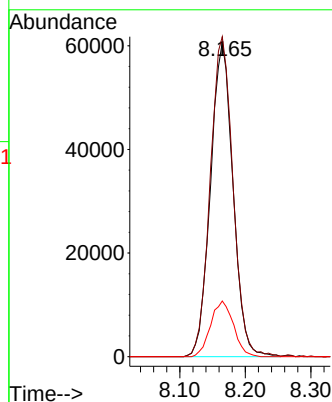
Tgt Ion:113 Resp: 144221

Ion Ratio Lower Upper

113 100

111 102.9 82.7 124.1

192 18.0 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.758 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085727.D

Acq: 10 Feb 2025 16:35

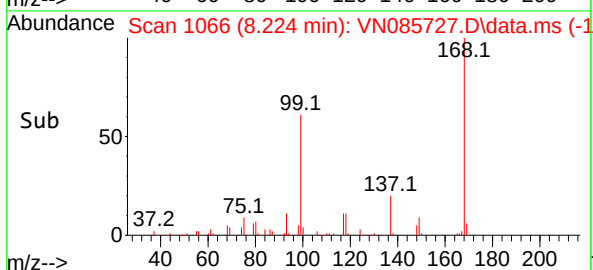
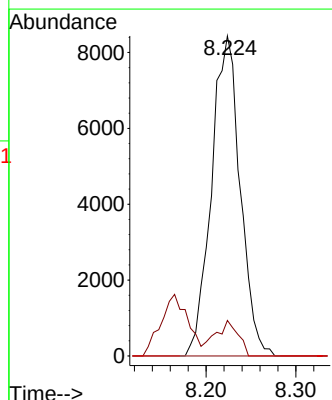
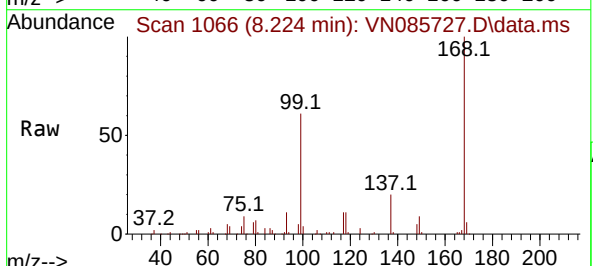
Tgt Ion: 75 Resp: 18773

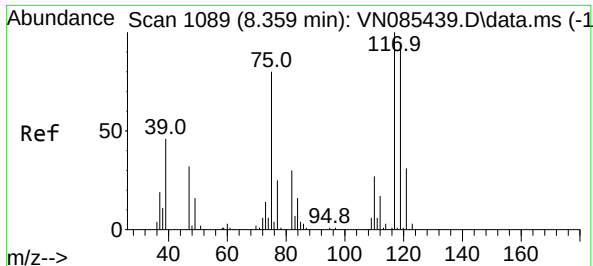
Ion Ratio Lower Upper

75 100

110 8.9 16.5 49.5#

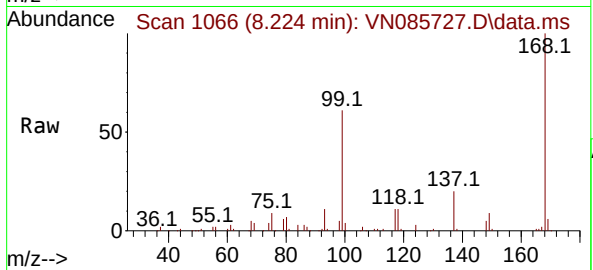
77 0.0 24.4 36.6#



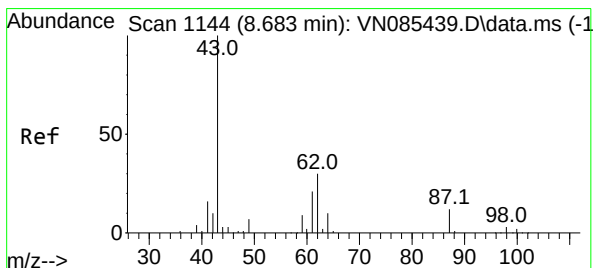
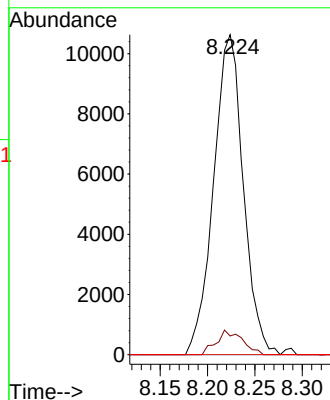
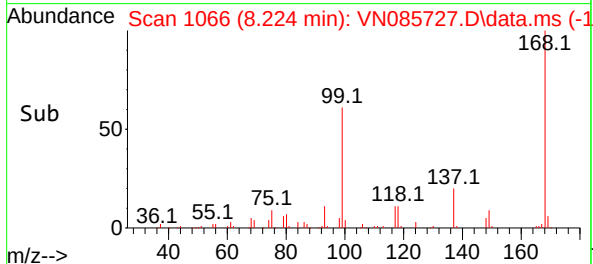


#38
Carbon Tetrachloride
Concen: 5.135 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

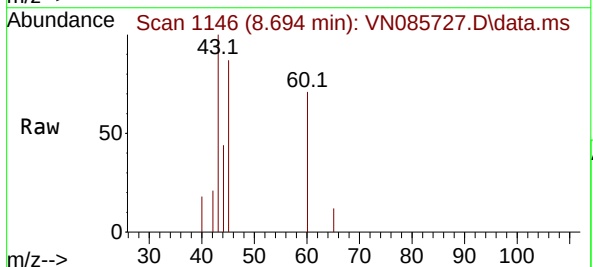
Instrument :
MSVOA_N
ClientSampleId :



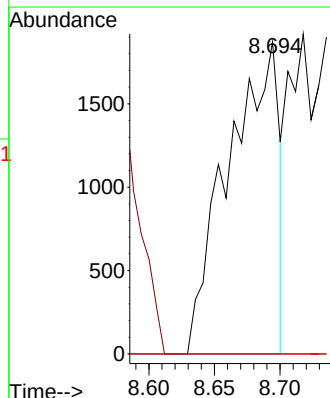
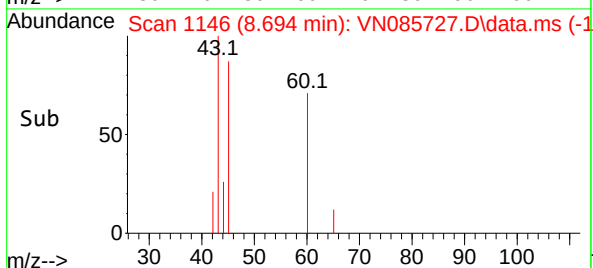
Tgt Ion:117 Resp: 23196
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.2#
121 0.0 24.6 37.0#

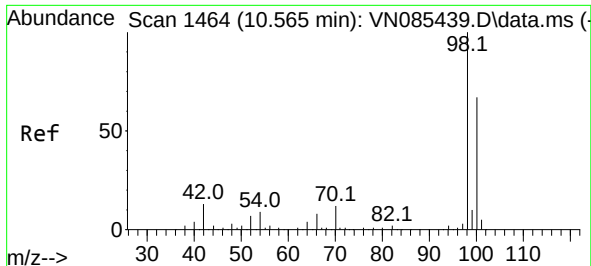


#43
Isopropyl Acetate
Concen: 0.787 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.012 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35



Tgt Ion: 43 Resp: 5021
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 0.0 9.8 14.8#

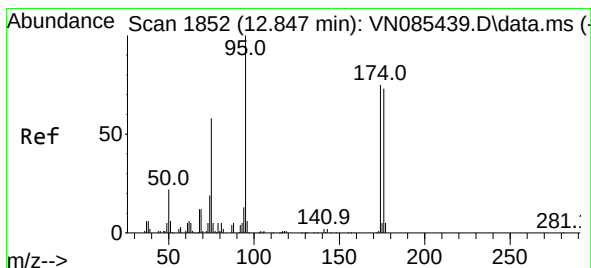
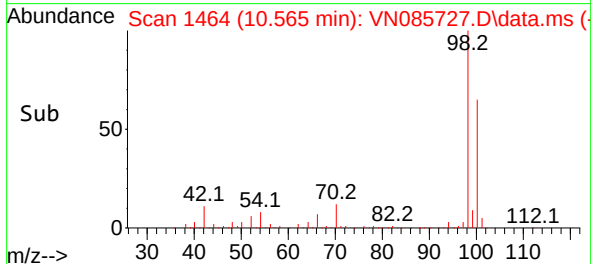
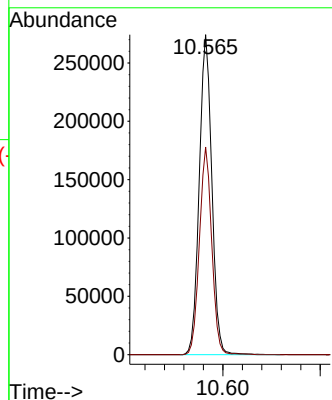
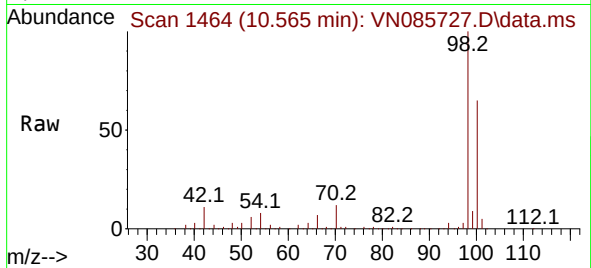




#50
Toluene-d8
Concen: 49.362 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

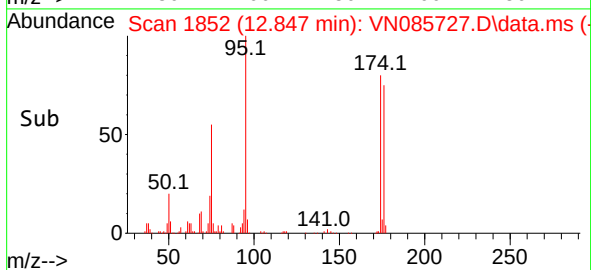
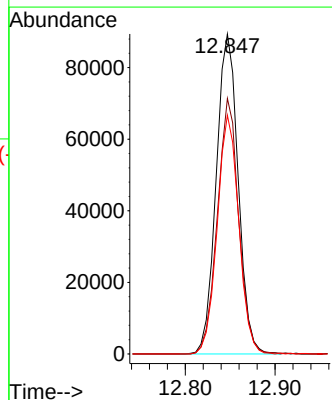
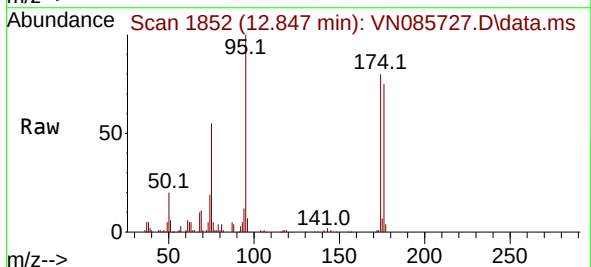
Instrument :
MSVOA_N
ClientSampleId :

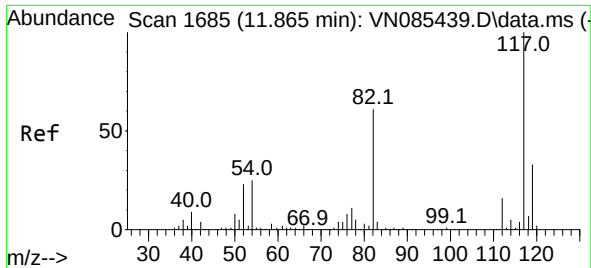
Tgt Ion: 98 Resp: 493057
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 44.378 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

Tgt Ion: 95 Resp: 151635
Ion Ratio Lower Upper
95 100
174 77.9 0.0 145.0
176 73.2 0.0 142.4

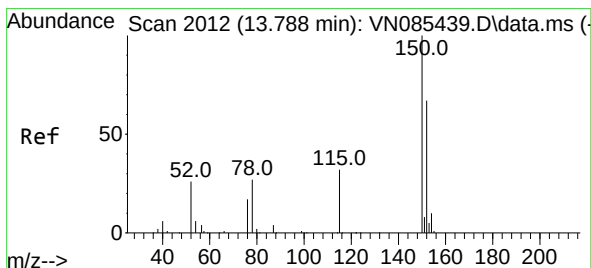
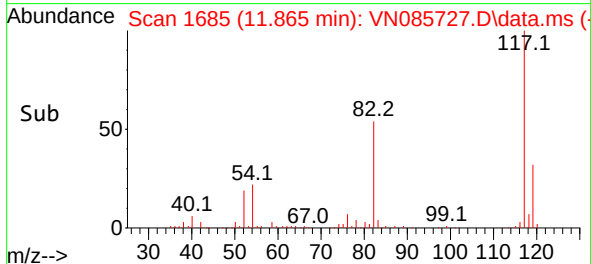
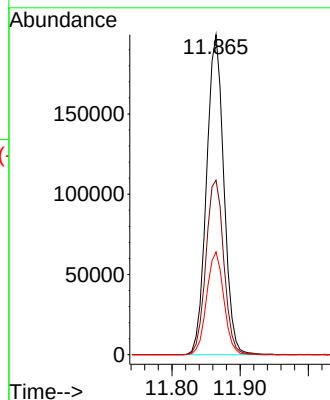
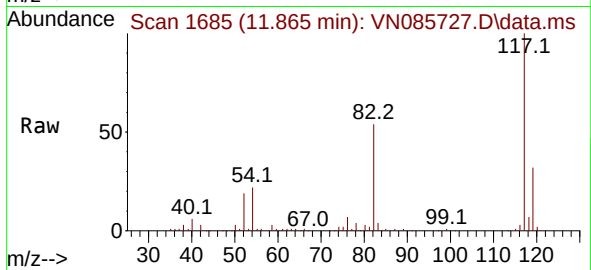




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

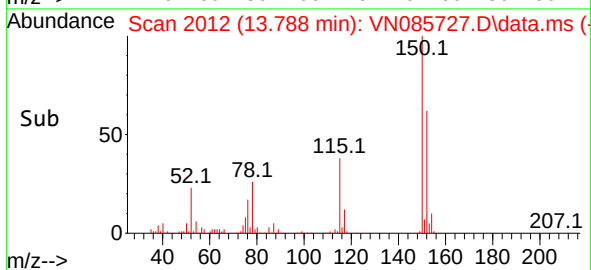
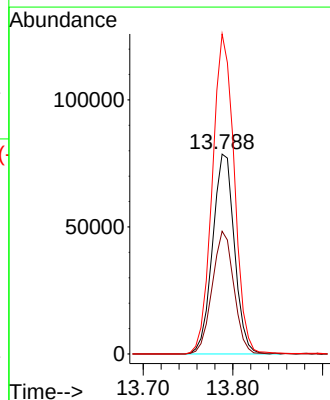
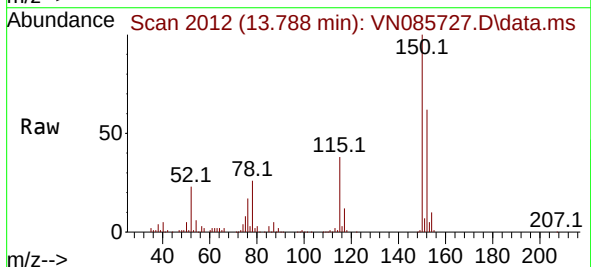
Instrument :
MSVOA_N
ClientSampleId :

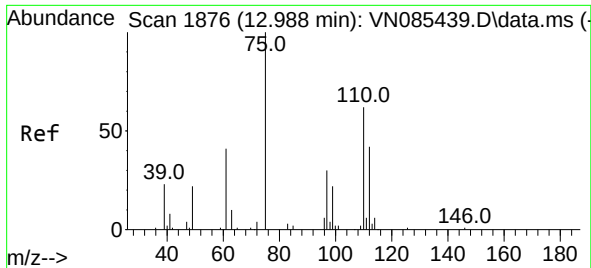
Tgt Ion:117 Resp: 352429
Ion Ratio Lower Upper
117 100
82 54.5 48.6 72.8
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

Tgt Ion:152 Resp: 133160
Ion Ratio Lower Upper
152 100
115 60.6 31.1 93.3
150 160.8 0.0 343.6

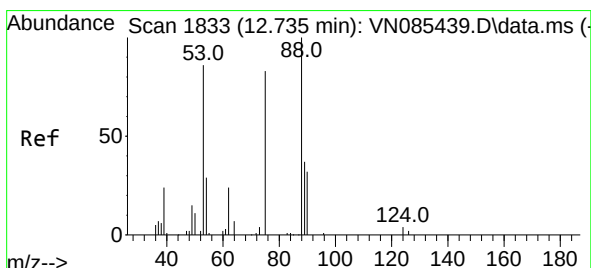
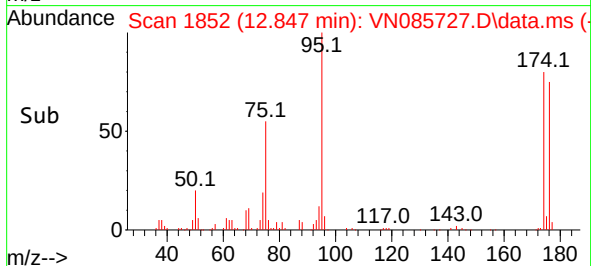
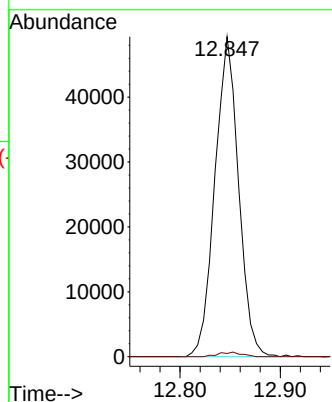
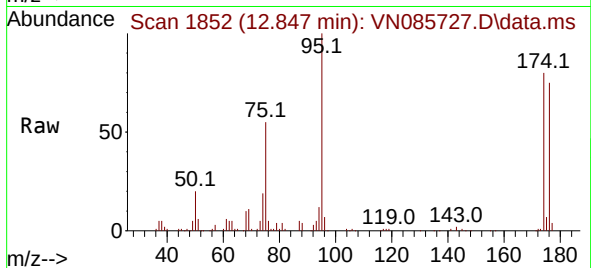




#76
1,2,3-Trichloropropane
Concen: 29.830 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

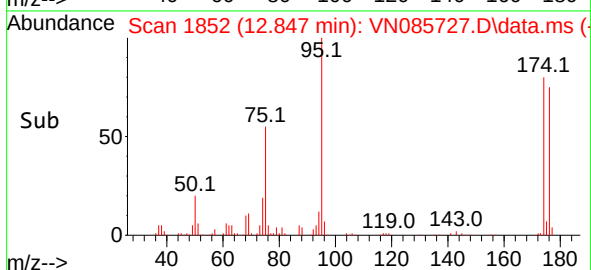
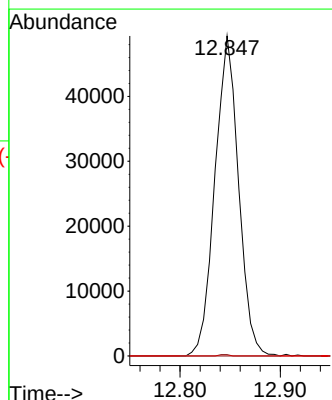
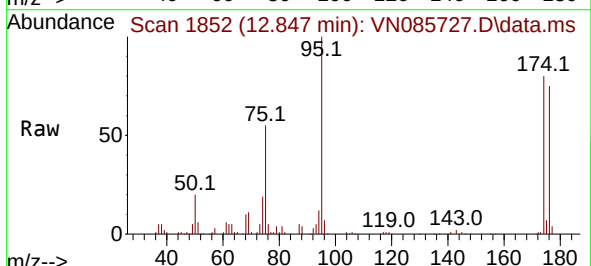
Instrument :
MSVOA_N
ClientSampleId :

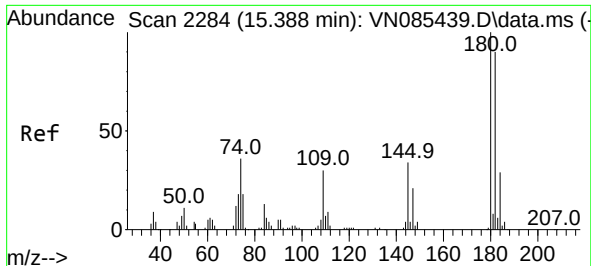
Tgt Ion: 75 Resp: 80735
Ion Ratio Lower Upper
75 100
77 1.4 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.707 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085727.D
Acq: 10 Feb 2025 16:35

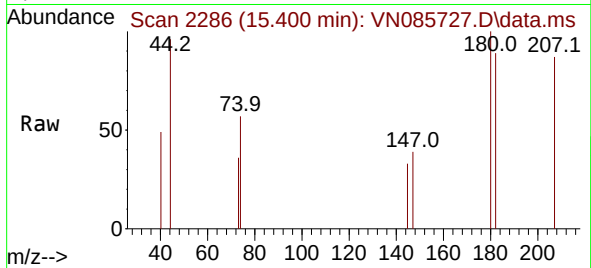
Tgt Ion: 75 Resp: 80735
Ion Ratio Lower Upper
75 100
53 0.2 95.6 143.4#
89 0.0 37.0 55.6#



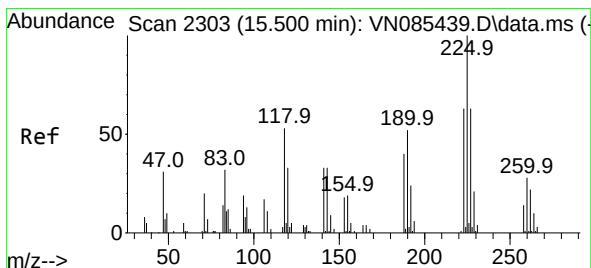
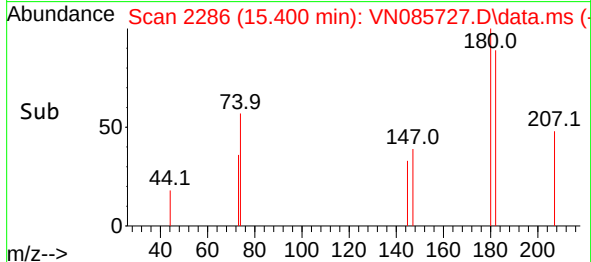
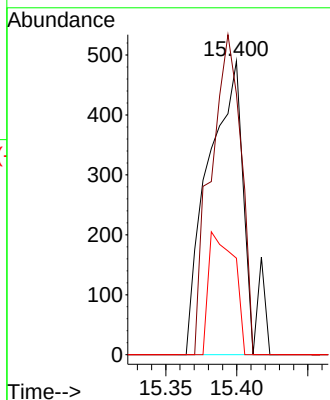


#93
 1,2,4-Trichlorobenzene
 Concen: 0.437 ug/l
 RT: 15.400 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN085727.D
 Acq: 10 Feb 2025 16:35

Instrument :
 MSVOA_N
 ClientSampleId :

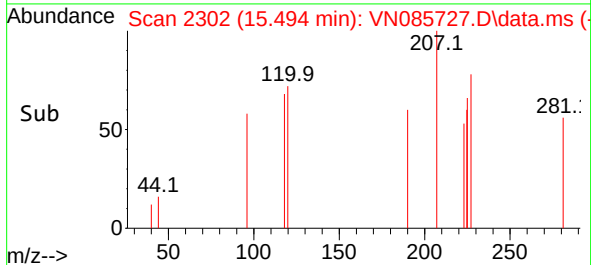
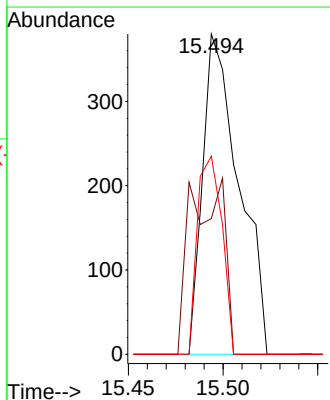
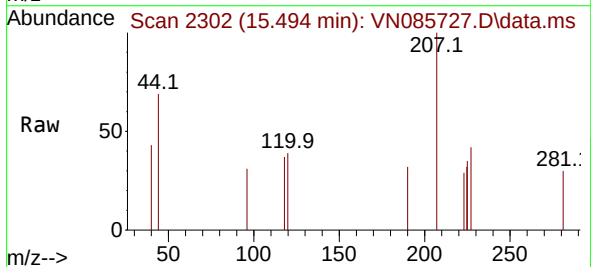


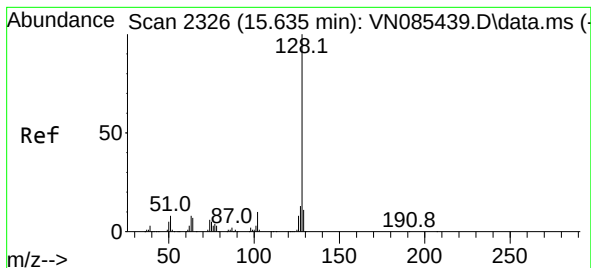
Tgt Ion:180 Resp: 876
 Ion Ratio Lower Upper
 180 100
 182 90.5 46.8 140.3
 145 29.1 16.0 48.0



#94
 Hexachlorobutadiene
 Concen: 0.476 ug/l
 RT: 15.494 min Scan# 2302
 Delta R.T. -0.006 min
 Lab File: VN085727.D
 Acq: 10 Feb 2025 16:35

Tgt Ion:225 Resp: 507
 Ion Ratio Lower Upper
 225 100
 223 50.7 30.7 92.1
 227 41.8 30.9 92.5





#95

Naphthalene

Concen: 0.648 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.000 min

Lab File: VN085727.D

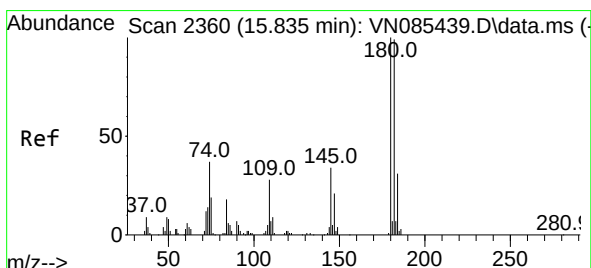
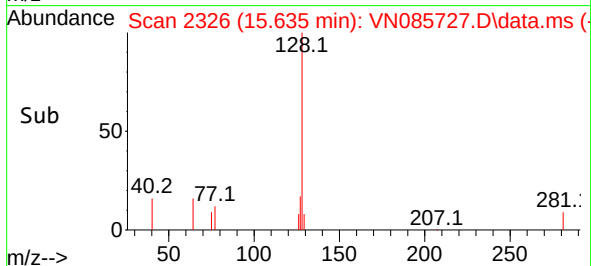
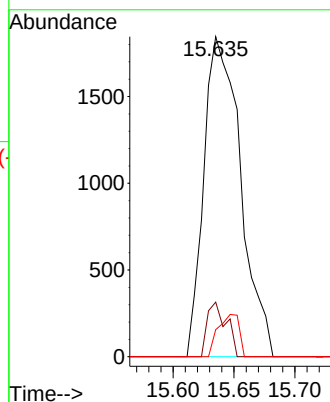
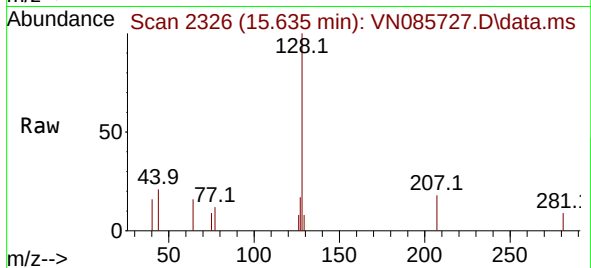
Acq: 10 Feb 2025 16:35

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	3874
Ion	Ratio	Lower Upper
128	100	
127	8.9	10.6 16.0#
129	7.6	8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.526 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085727.D

Acq: 10 Feb 2025 16:35

Tgt Ion:180	Resp:	1067
Ion	Ratio	Lower Upper
180	100	
182	92.3	47.4 142.2
145	24.0	16.9 50.7

