

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085556.D
 Acq On : 29 Jan 2025 14:40
 Operator : JC\MD
 Sample : Q1206-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:35:44 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

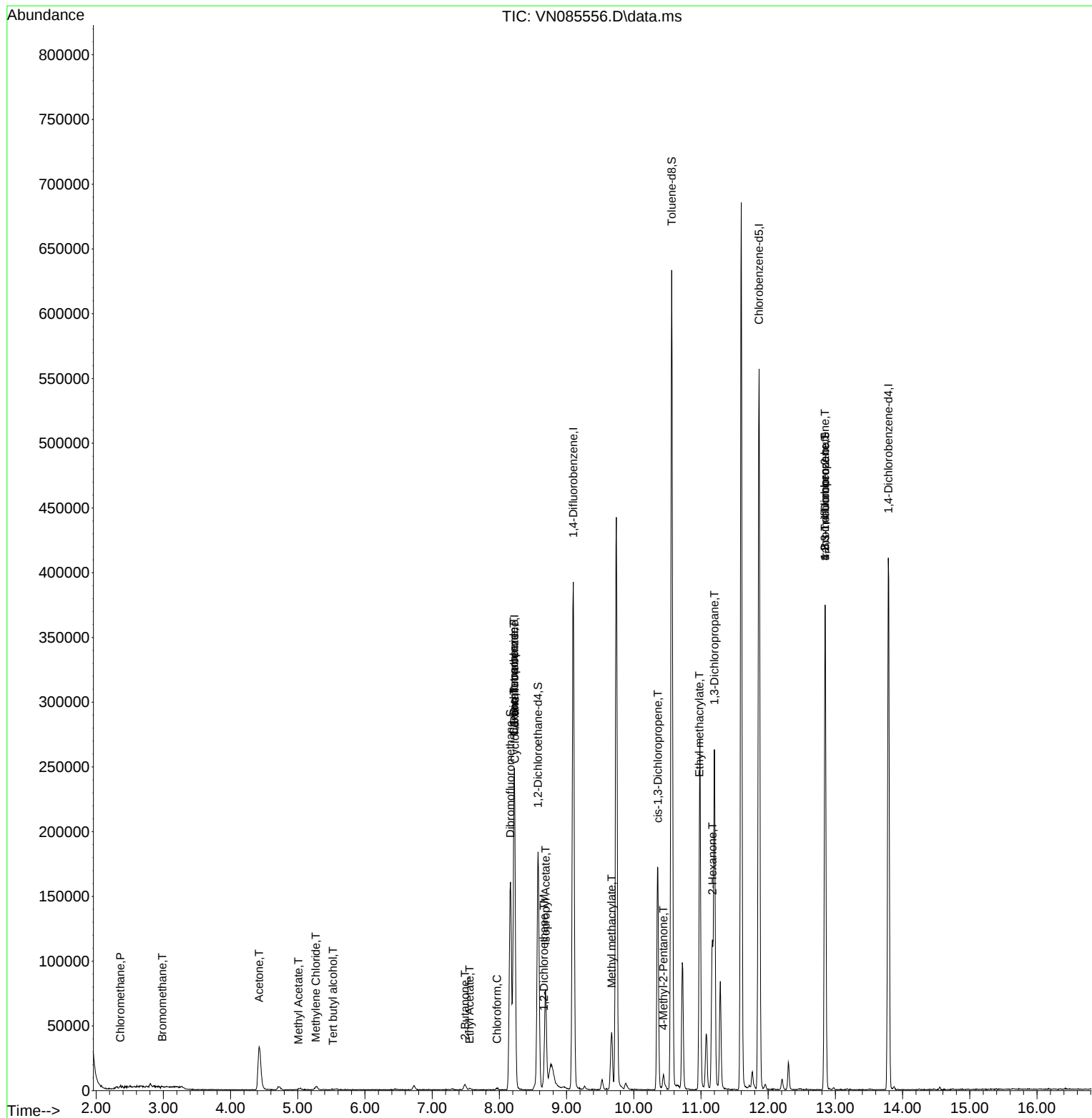
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	165855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	316150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152339	56.901	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.800%
35) Dibromofluoromethane	8.165	113	114234	52.083	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.160%
50) Toluene-d8	10.565	98	415061	53.262	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.520%
62) 4-Bromofluorobenzene	12.847	95	121794	45.689	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.380%
Target Compounds						Qvalue
3) Chloromethane	2.359	50	586	0.241	ug/l #	86
5) Bromomethane	2.983	94	427	0.289	ug/l #	60
11) Tert butyl alcohol	5.524	59	247	0.806	ug/l #	71
16) Acetone	4.424	43	66574	76.961	ug/l	100
18) Methyl Acetate	5.012	43	915	0.348	ug/l #	52
20) Methylene Chloride	5.271	84	1844	0.861	ug/l #	71
25) 2-Butanone	7.488	43	7273	5.713	ug/l	99
30) Chloroform	7.965	83	1502	0.372	ug/l #	73
31) Cyclohexane	8.230	56	4756	1.400	ug/l #	32
36) 1,1-Dichloropropene	8.218	75	15602	5.068	ug/l #	51
37) Ethyl Acetate	7.559	43	2119	0.682	ug/l #	77
38) Carbon Tetrachloride	8.218	117	18490	5.247	ug/l #	17
42) 1,2-Dichloroethane	8.665	62	747	0.214	ug/l #	76
43) Isopropyl Acetate	8.688	43	87125	17.500	ug/l #	87
48) Methyl methacrylate	9.671	41	3322	1.483	ug/l #	47
51) 4-Methyl-2-Pentanone	10.441	43	10763	3.726	ug/l #	82
54) cis-1,3-Dichloropropene	10.359	75	27938	7.969	ug/l #	71
56) Ethyl methacrylate	10.976	69	1791	2.413	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2441	0.662	ug/l #	43
59) 2-Hexanone	11.171	43	124971	61.477	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	67988	31.019	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67988	83.924	ug/l #	3

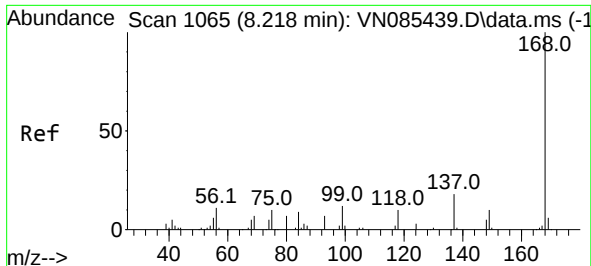
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
Data File : VN085556.D
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Sample : Q1206-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 30 00:35:44 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

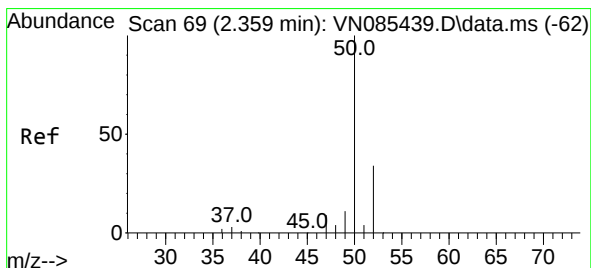
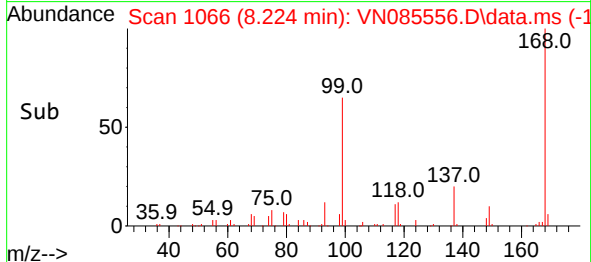
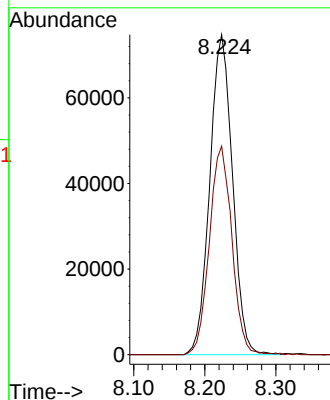
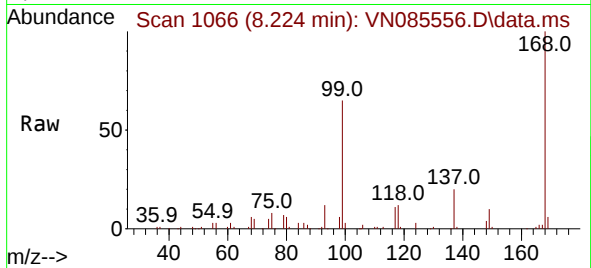




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

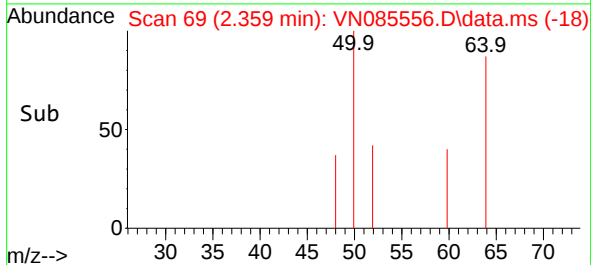
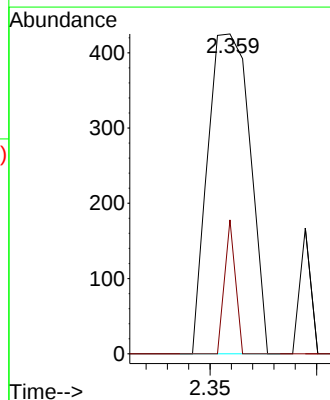
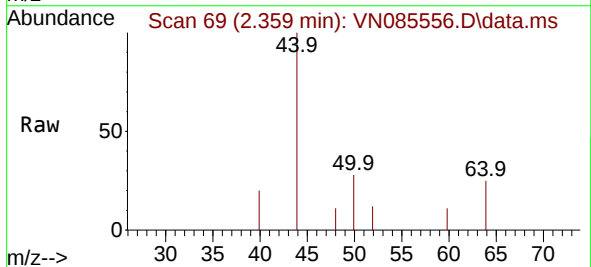
Instrument :
MSVOA_N
ClientSampleId :

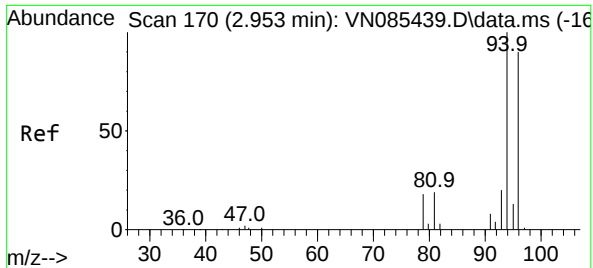
Tgt Ion:168 Resp: 165855
Ion Ratio Lower Upper
168 100
99 65.1 53.6 80.4



#3
Chloromethane
Concen: 0.241 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

Tgt Ion: 50 Resp: 586
Ion Ratio Lower Upper
50 100
52 41.9 27.0 40.6#

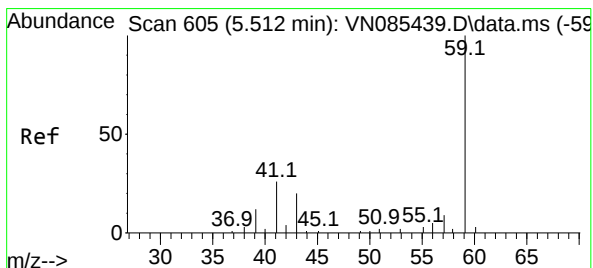
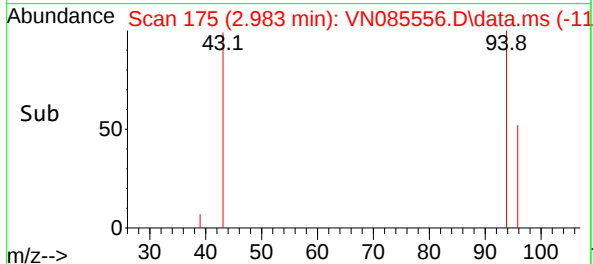
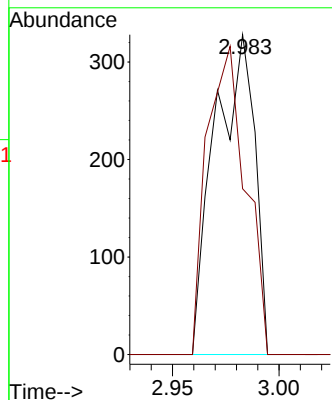
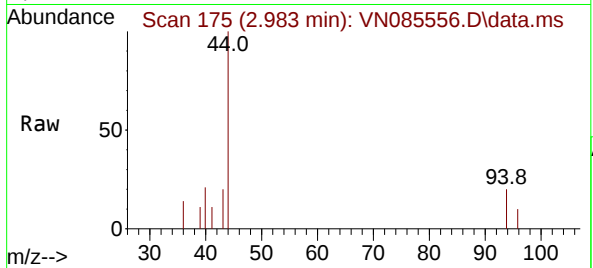




#5
Bromomethane
Concen: 0.289 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

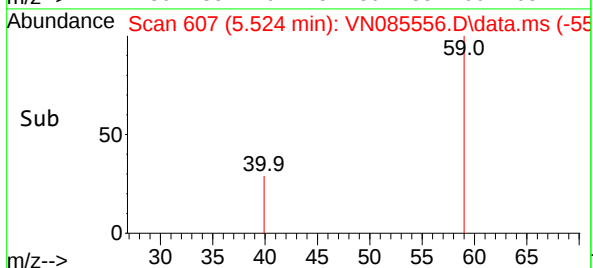
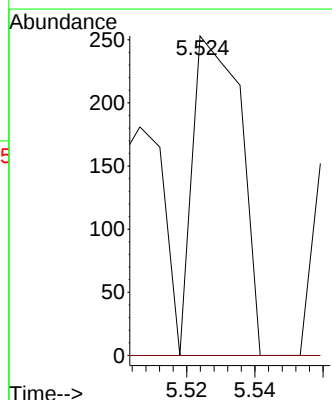
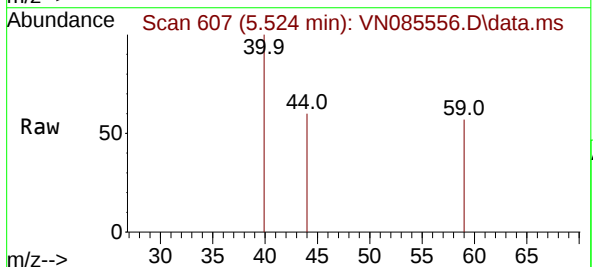
Instrument :
MSVOA_N
ClientSampleId :

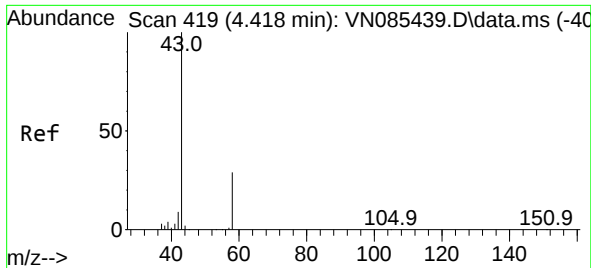
Tgt Ion: 94 Resp: 427
Ion Ratio Lower Upper
94 100
96 51.8 71.8 107.6#



#11
Tert butyl alcohol
Concen: 0.806 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

Tgt Ion: 59 Resp: 247
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

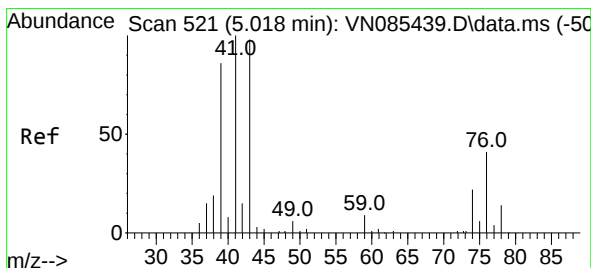
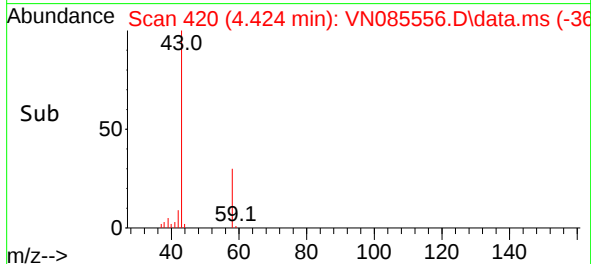
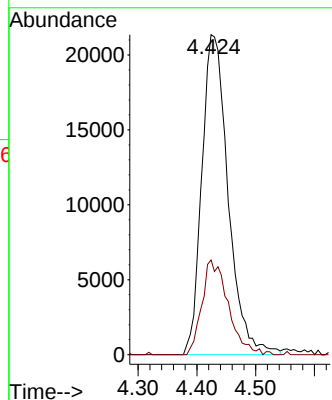
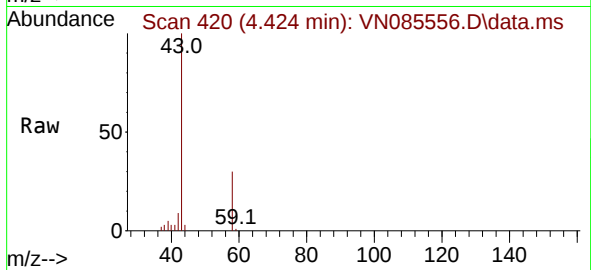




#16
Acetone
Concen: 76.961 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

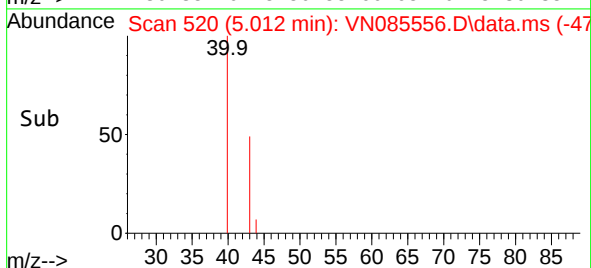
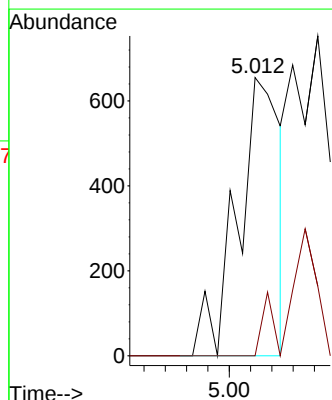
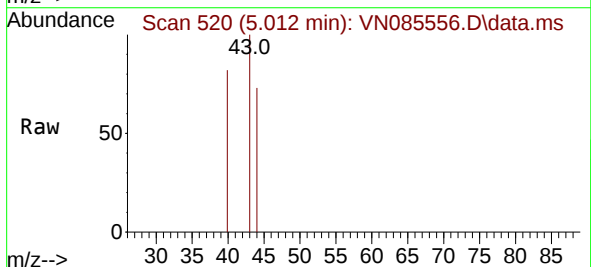
Instrument :
MSVOA_N
ClientSampleId :

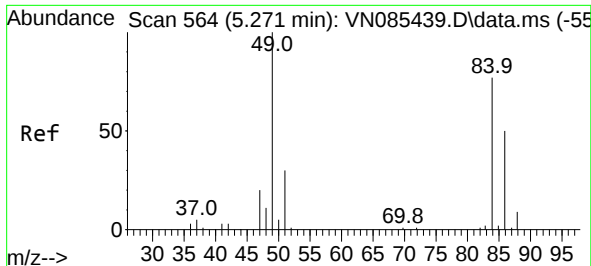
Tgt Ion: 43 Resp: 66574
Ion Ratio Lower Upper
43 100
58 29.6 23.8 35.6



#18
Methyl Acetate
Concen: 0.348 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

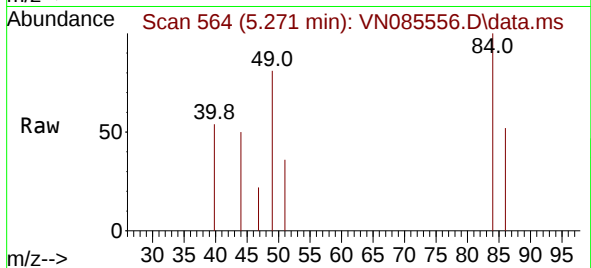
Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



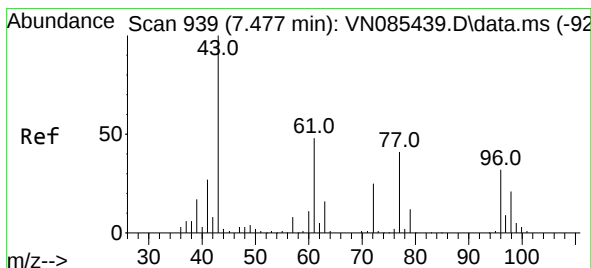
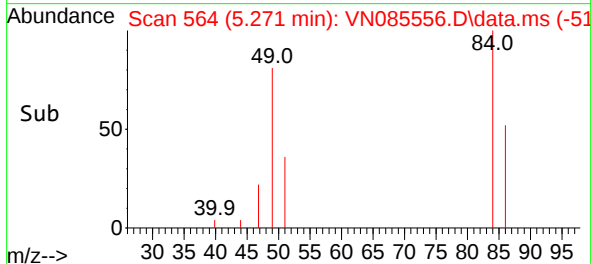
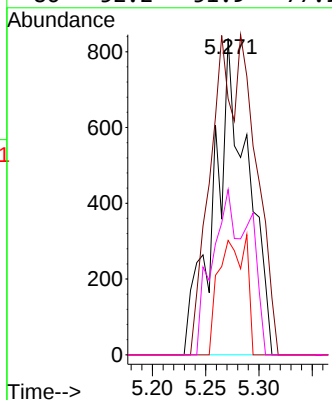


#20
Methylene Chloride
Concen: 0.861 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

Instrument :
MSVOA_N
ClientSampleId :

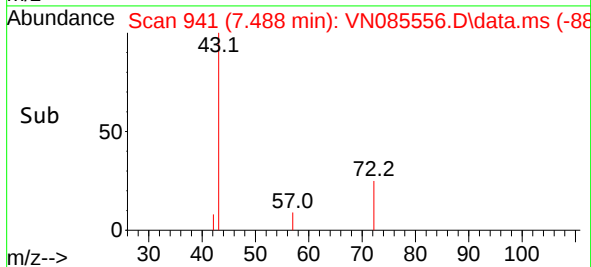
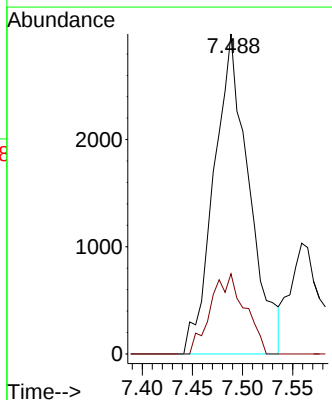
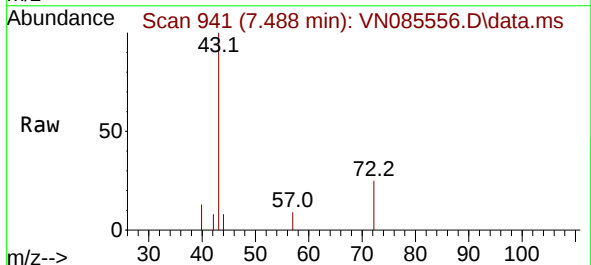


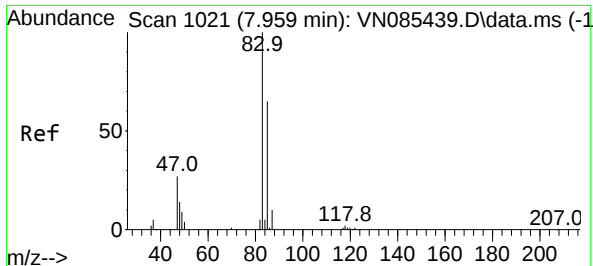
Tgt Ion	84	Resp:	1844
Ion	Ratio	Lower	Upper
84	100		
49	81.0	104.1	156.1#
51	36.2	31.0	46.4
86	52.2	51.9	77.9



#25
2-Butanone
Concen: 5.713 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

Tgt Ion	43	Resp:	7273
Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.2	30.4





#30

Chloroform

Concen: 0.372 ug/l

RT: 7.965 min Scan# 1021

Delta R.T. 0.006 min

Lab File: VN085556.D

Acq: 29 Jan 2025 14:40

Instrument :

MSVOA_N

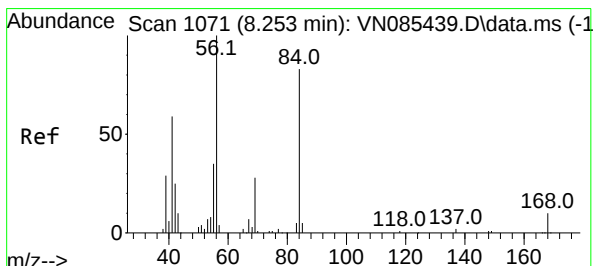
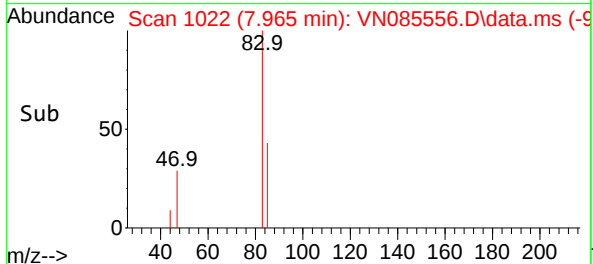
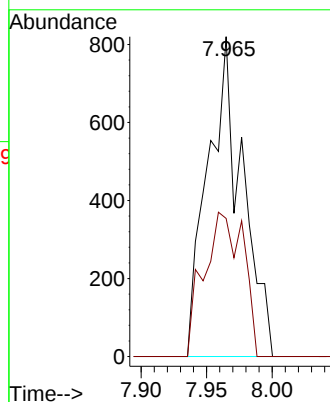
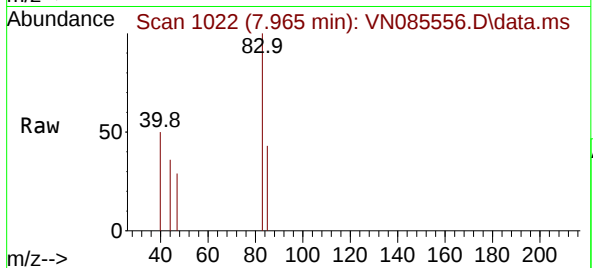
ClientSampleId :

Tgt Ion: 83 Resp: 1502

Ion Ratio Lower Upper

83 100

85 43.2 51.8 77.6#



#31

Cyclohexane

Concen: 1.400 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.024 min

Lab File: VN085556.D

Acq: 29 Jan 2025 14:40

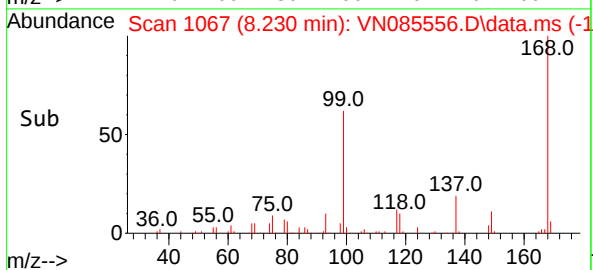
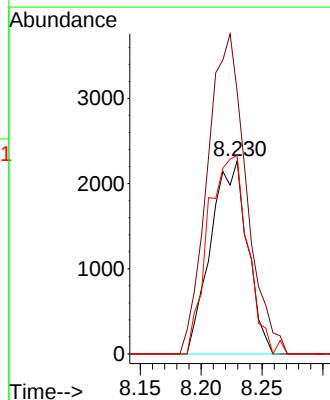
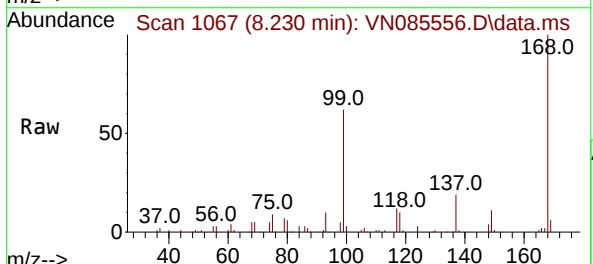
Tgt Ion: 56 Resp: 4756

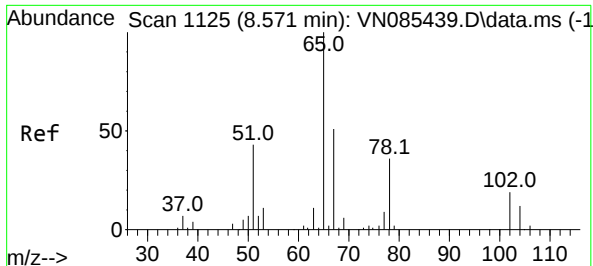
Ion Ratio Lower Upper

56 100

69 135.9 22.2 33.4#

84 102.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 56.901 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085556.D

Acq: 29 Jan 2025 14:40

Instrument :

MSVOA_N

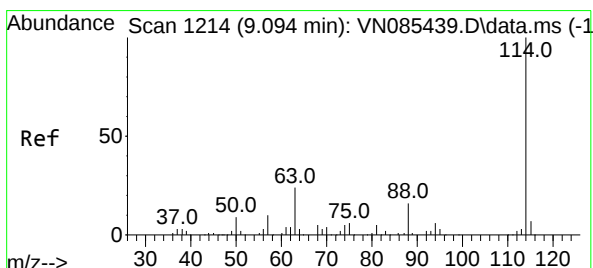
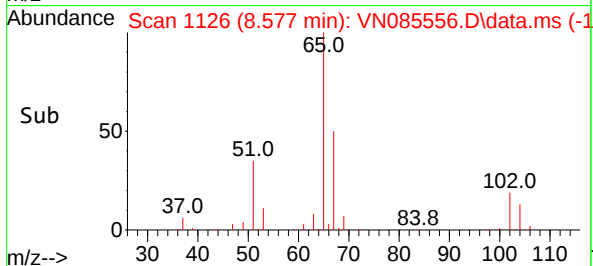
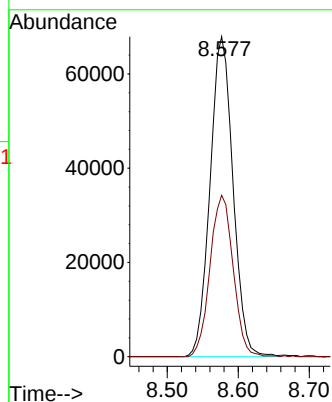
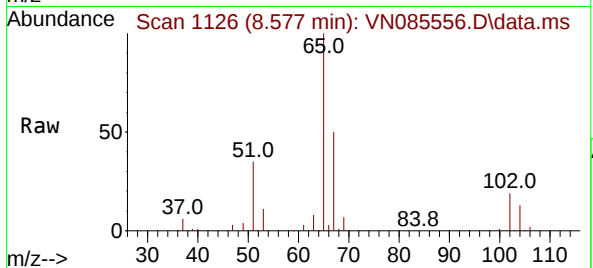
ClientSampleId :

Tgt Ion: 65 Resp: 152339

Ion Ratio Lower Upper

65 100

67 50.8 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: VN085556.D

Acq: 29 Jan 2025 14:40

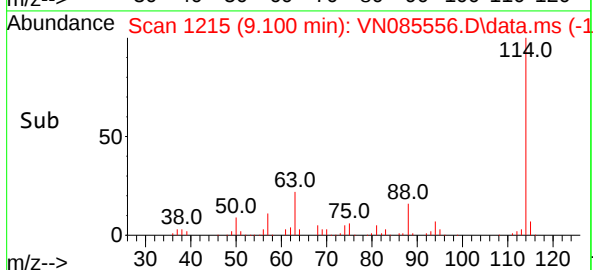
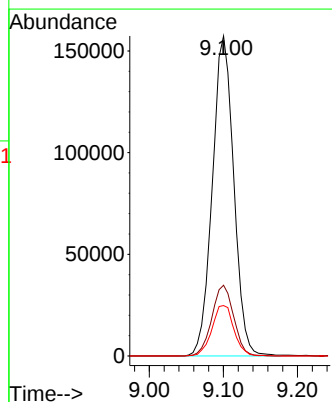
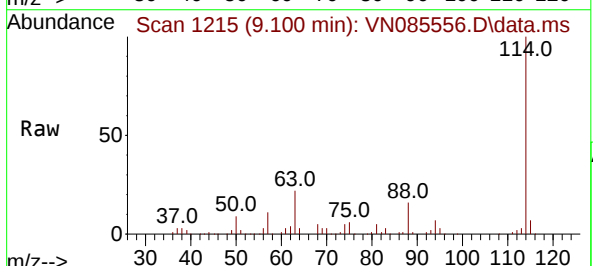
Tgt Ion: 114 Resp: 316150

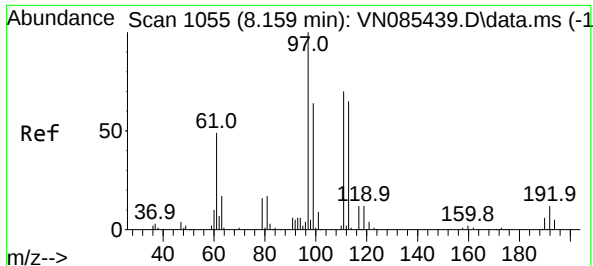
Ion Ratio Lower Upper

114 100

63 22.1 0.0 47.6

88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.083 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

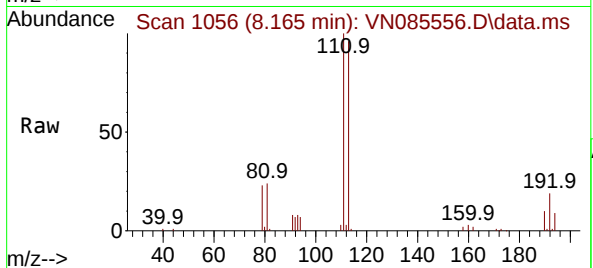
Lab File: VN085556.D

Acq: 29 Jan 2025 14:40

Instrument :

MSVOA_N

ClientSampleId :



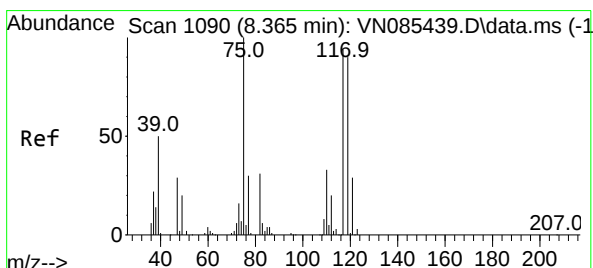
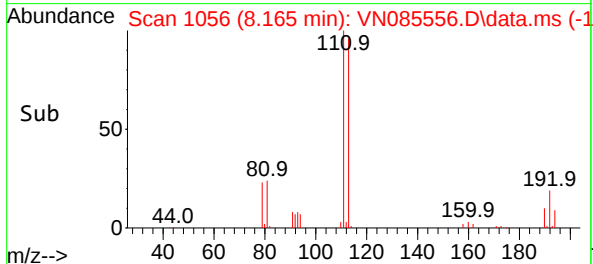
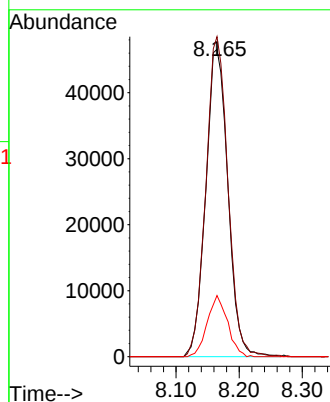
Tgt Ion:113 Resp: 114234

Ion Ratio Lower Upper

113 100

111 102.9 82.7 124.1

192 18.1 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.068 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085556.D

Acq: 29 Jan 2025 14:40

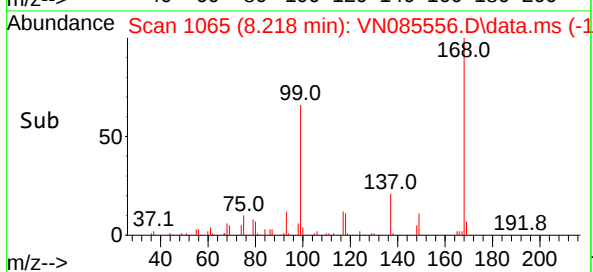
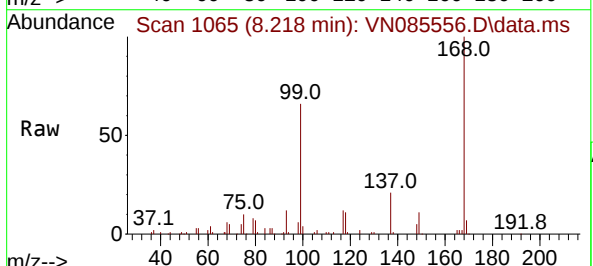
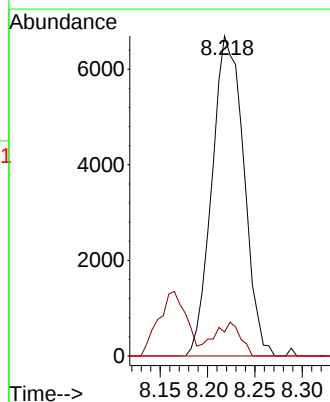
Tgt Ion: 75 Resp: 15602

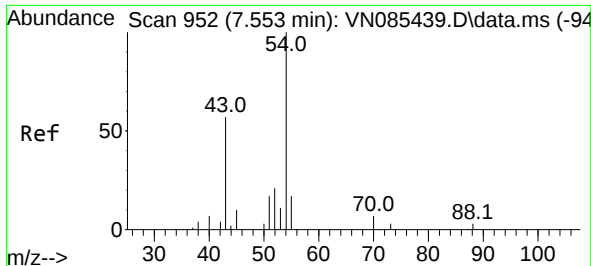
Ion Ratio Lower Upper

75 100

110 8.4 16.5 49.5#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.682 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

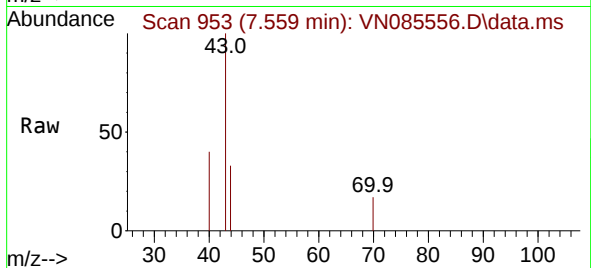
Lab File: VN085556.D

Acq: 29 Jan 2025 14:40

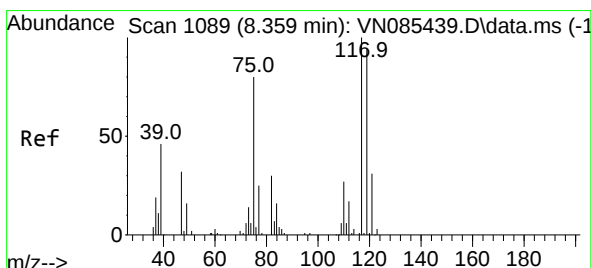
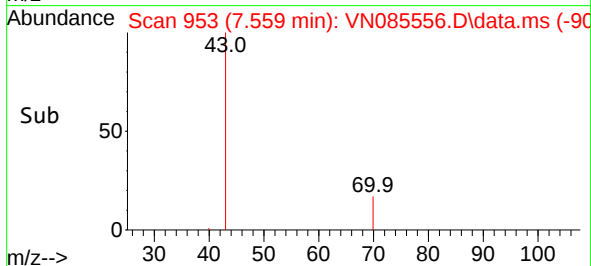
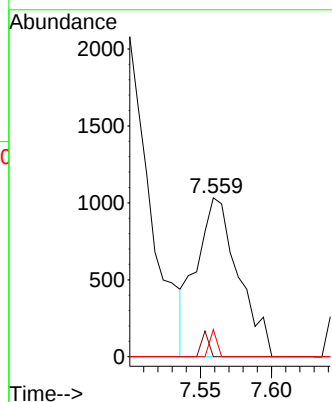
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2119
Ion	Ratio	Lower	Upper
43	100		
61	2.8	10.9	16.3#
70	2.9	7.5	11.3#



#38

Carbon Tetrachloride

Concen: 5.247 ug/l

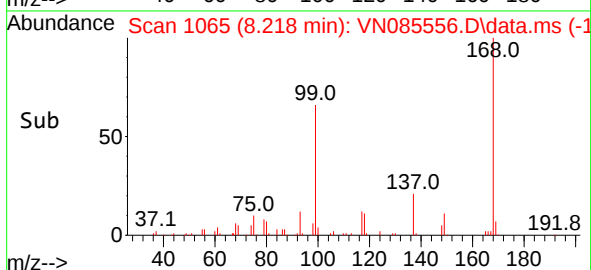
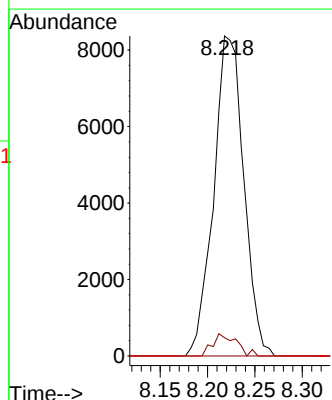
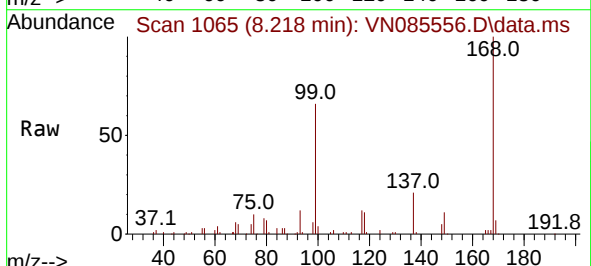
RT: 8.218 min Scan# 1065

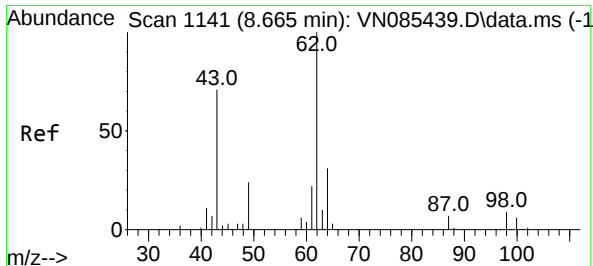
Delta R.T. -0.141 min

Lab File: VN085556.D

Acq: 29 Jan 2025 14:40

Tgt Ion:	117	Resp:	18490
Ion	Ratio	Lower	Upper
117	100		
119	5.7	75.4	113.2#
121	0.0	24.6	37.0#





#42

1,2-Dichloroethane

Concen: 0.214 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VN085556.D

Acq: 29 Jan 2025 14:40

Instrument :

MSVOA_N

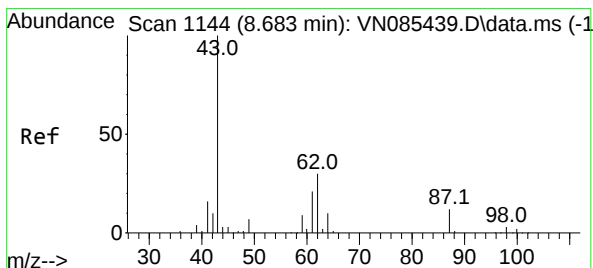
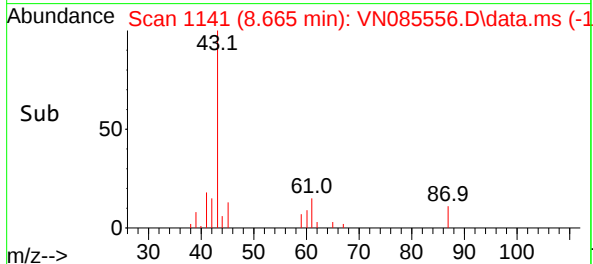
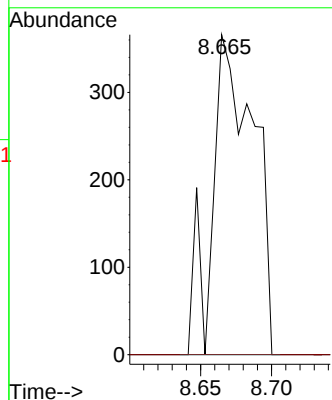
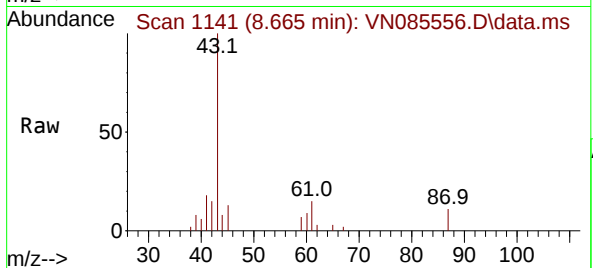
ClientSampleId :

Tgt Ion: 62 Resp: 747

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 17.500 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085556.D

Acq: 29 Jan 2025 14:40

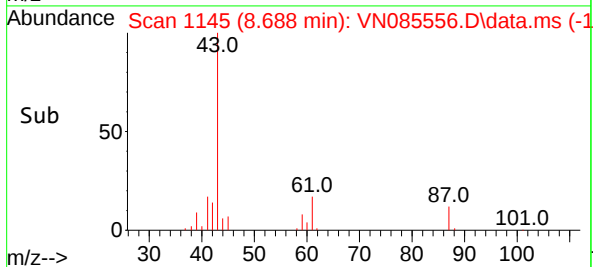
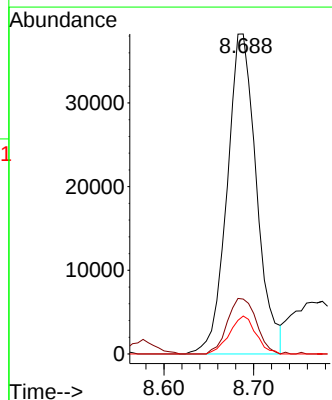
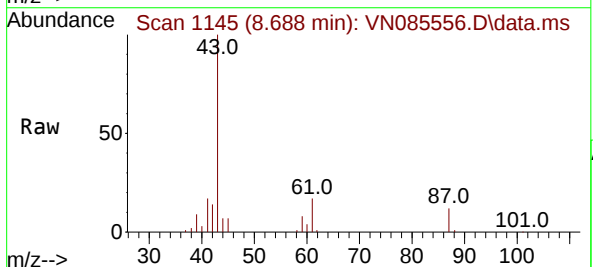
Tgt Ion: 43 Resp: 87125

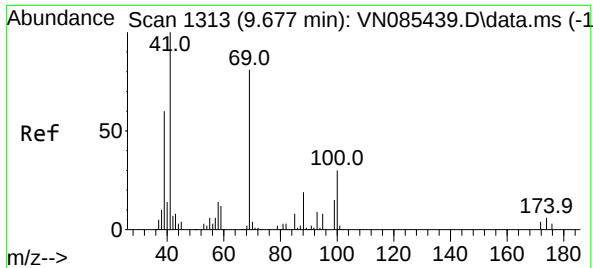
Ion Ratio Lower Upper

43 100

61 17.1 20.7 31.1#

87 10.6 9.8 14.8

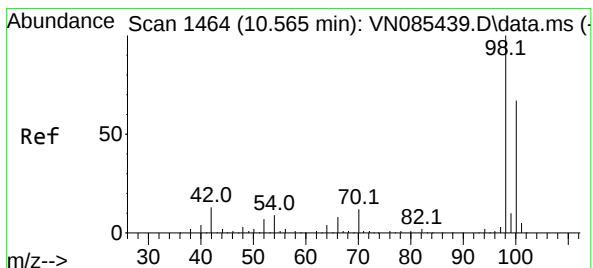
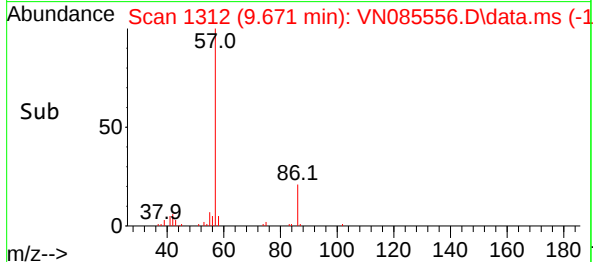
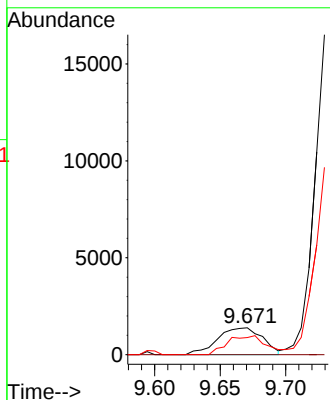
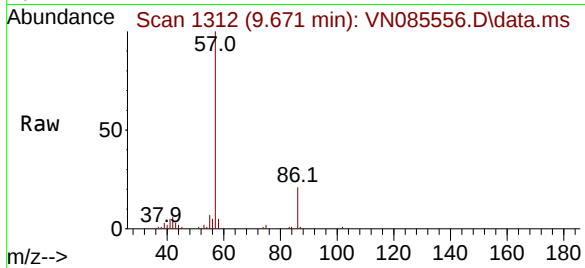




#48
Methyl methacrylate
Concen: 1.483 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

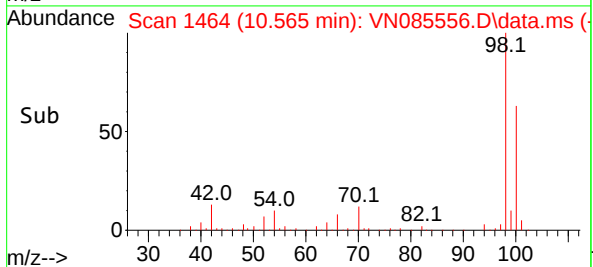
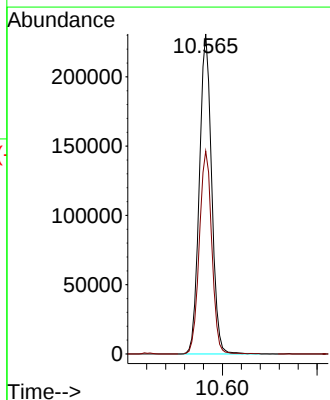
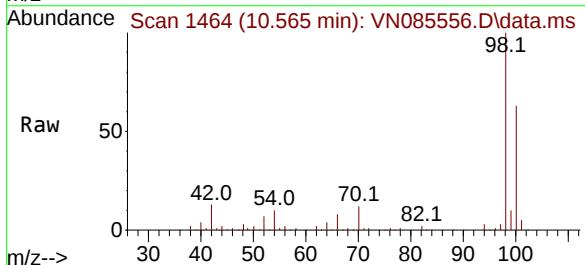
Instrument :
MSVOA_N
ClientSampleId :

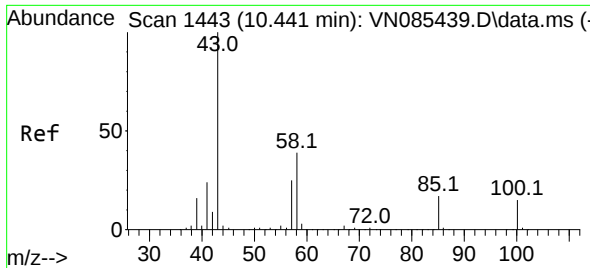
Tgt Ion: 41 Resp: 3322
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 59.2 49.0 73.6



#50
Toluene-d8
Concen: 53.262 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

Tgt Ion: 98 Resp: 415061
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4

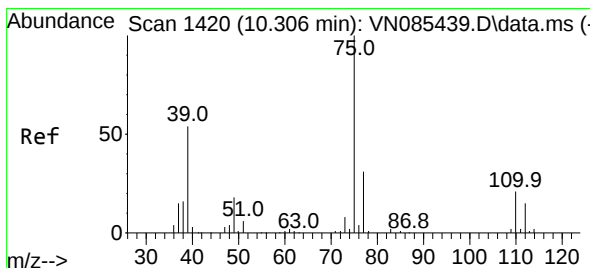
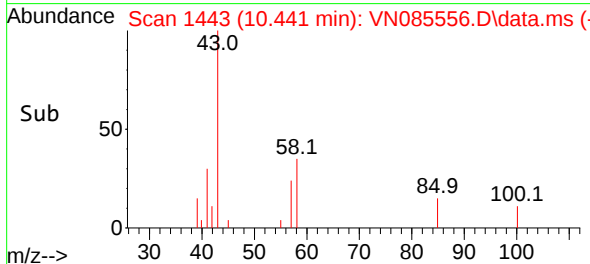
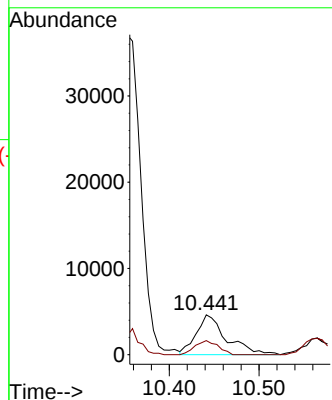
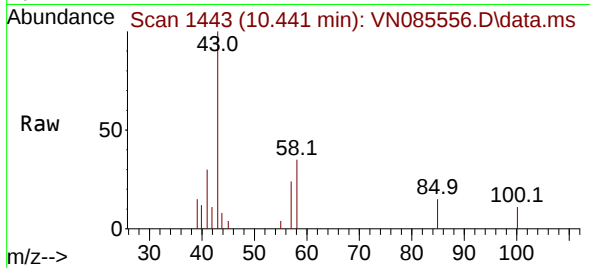




#51
4-Methyl-2-Pentanone
Concen: 3.726 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

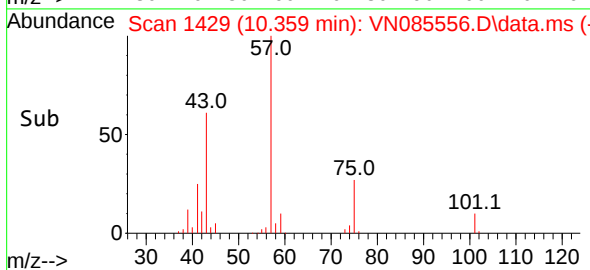
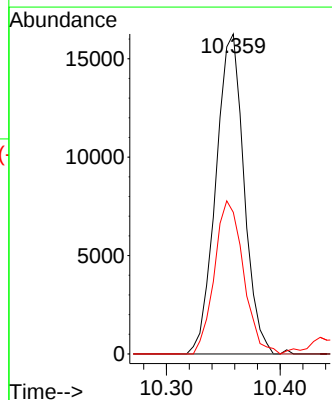
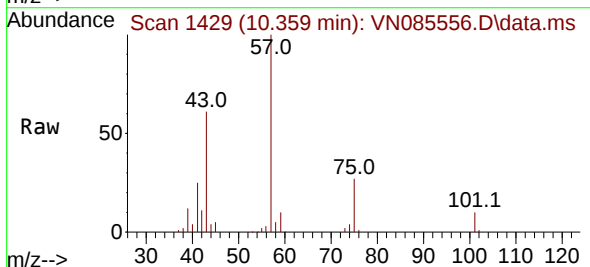
Instrument :
MSVOA_N
ClientSampleId :

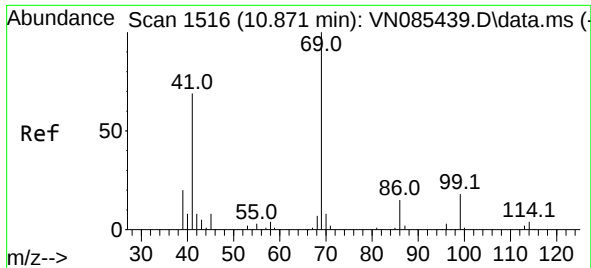
Tgt Ion: 43 Resp: 10763
Ion Ratio Lower Upper
43 100
58 27.1 30.5 45.7#



#54
cis-1,3-Dichloropropene
Concen: 7.969 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

Tgt Ion: 75 Resp: 27938
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 44.2 43.1 64.7

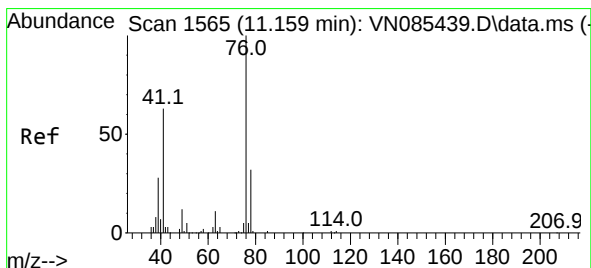
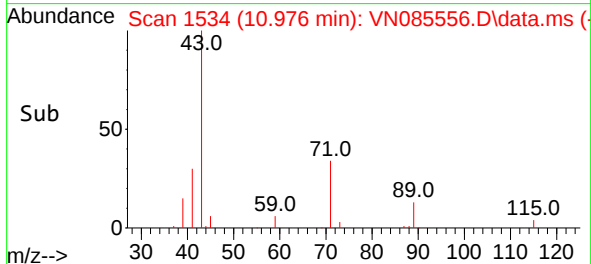
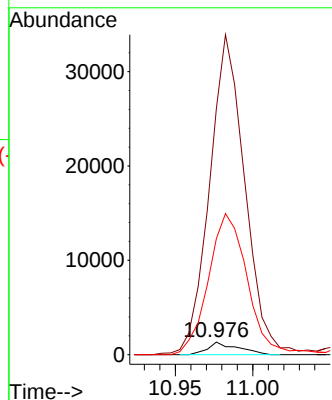
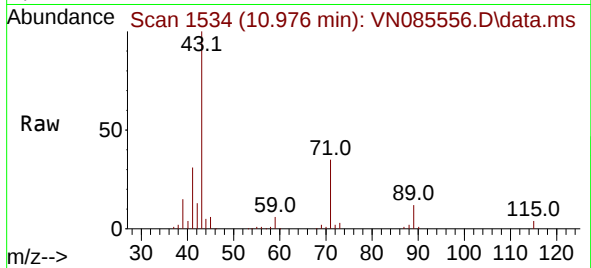




#56
Ethyl methacrylate
Concen: 2.413 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.105 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

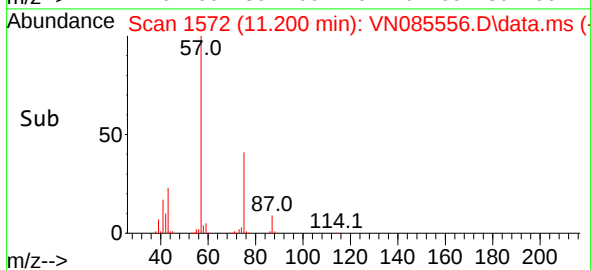
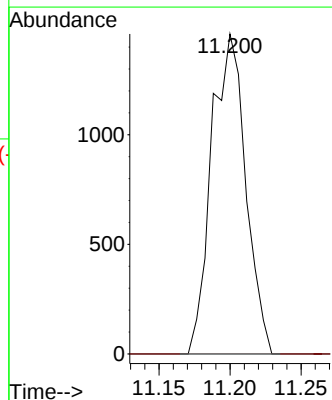
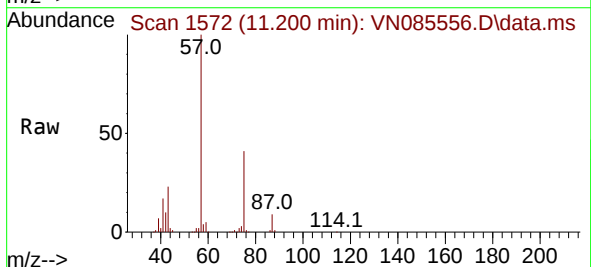
Instrument :
MSVOA_N
ClientSampleId :

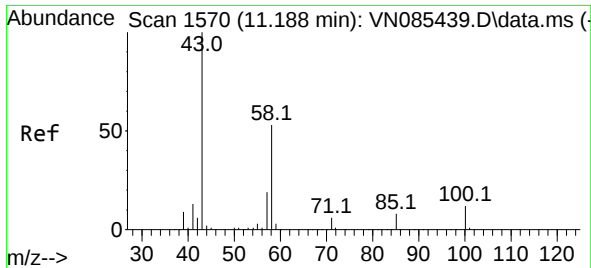
Tgt Ion: 69 Resp: 1791
Ion Ratio Lower Upper
69 100
41 3012.1 54.6 82.0#
39 1465.8 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 0.662 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

Tgt Ion: 76 Resp: 2441
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

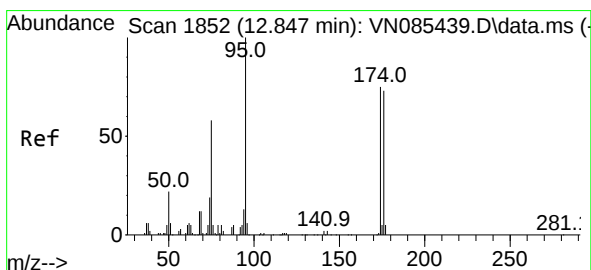
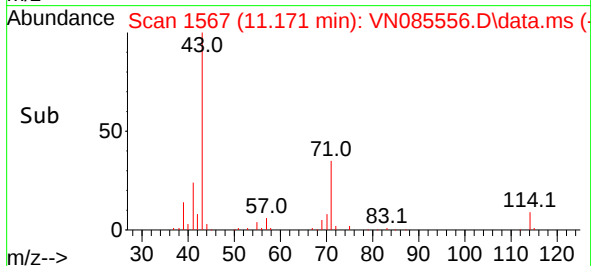
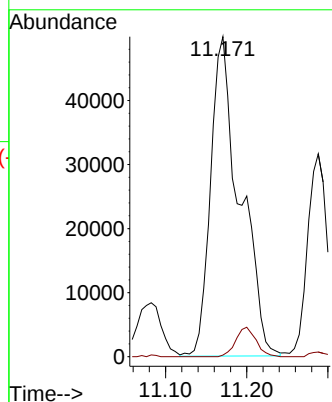
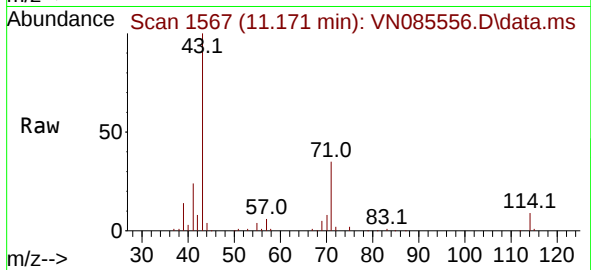




#59
2-Hexanone
Concen: 61.477 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

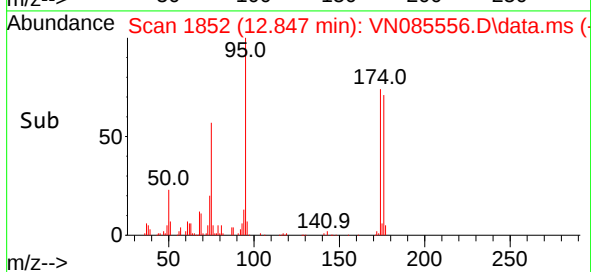
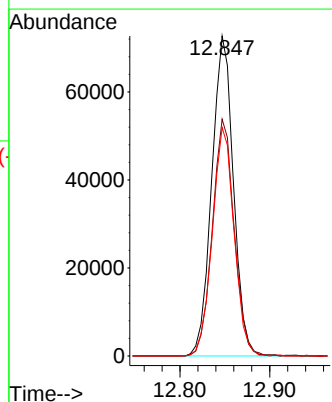
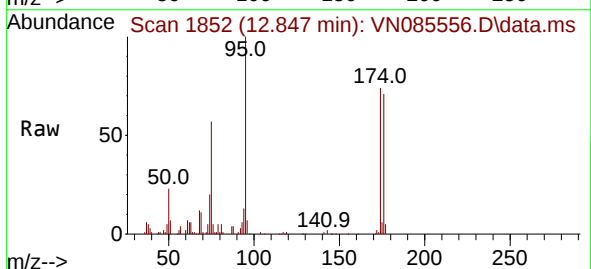
Instrument :
MSVOA_N
ClientSampleId :

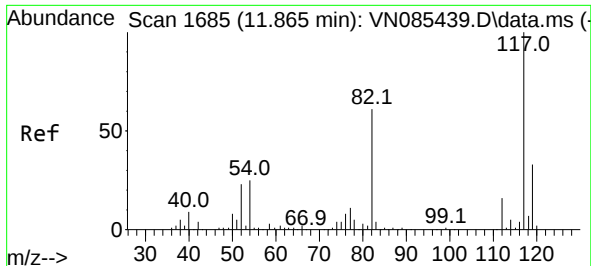
Tgt Ion: 43 Resp: 124971
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 45.689 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

Tgt Ion: 95 Resp: 121794
Ion Ratio Lower Upper
95 100
174 74.5 0.0 145.0
176 71.6 0.0 142.4

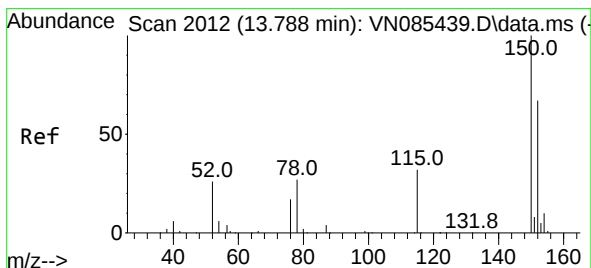
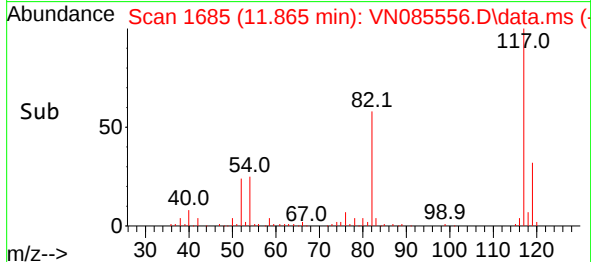
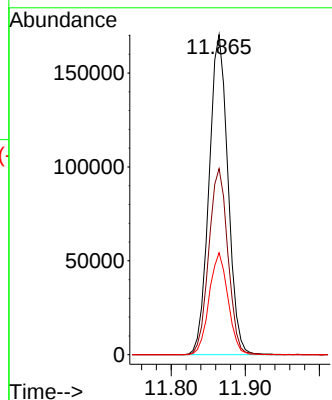
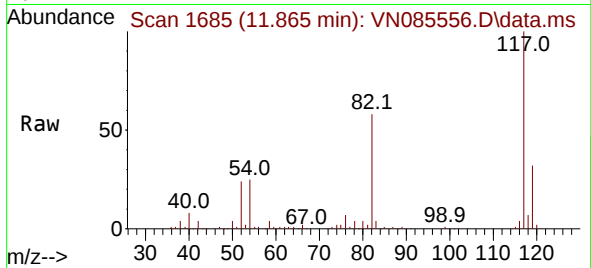




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

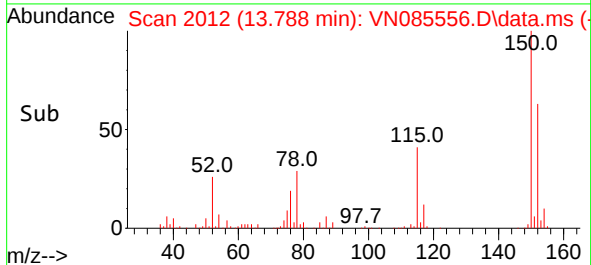
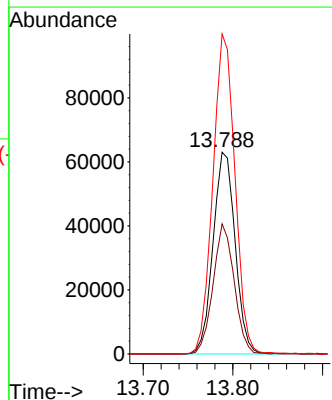
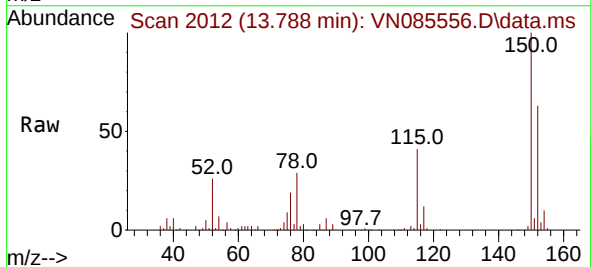
Instrument :
MSVOA_N
ClientSampleId :

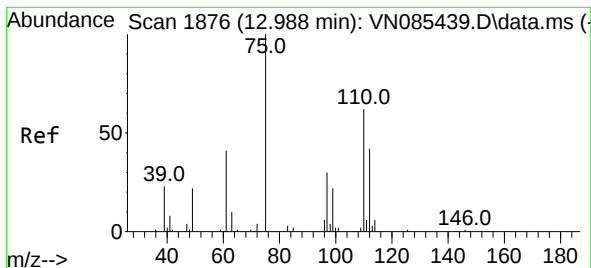
Tgt Ion:117 Resp: 301938
Ion Ratio Lower Upper
117 100
82 58.1 48.6 72.8
119 31.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085556.D
Acq: 29 Jan 2025 14:40

Tgt Ion:152 Resp: 107837
Ion Ratio Lower Upper
152 100
115 61.6 31.1 93.3
150 158.6 0.0 343.6





#76

1,2,3-Trichloropropane

Concen: 31.019 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085556.D

Acq: 29 Jan 2025 14:40

Instrument :

MSVOA_N

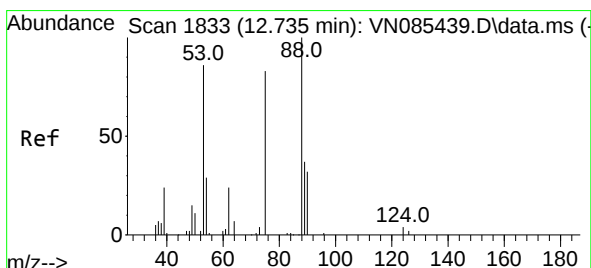
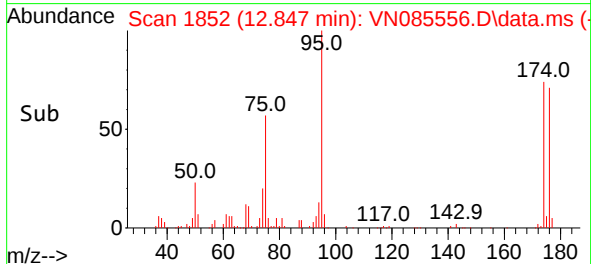
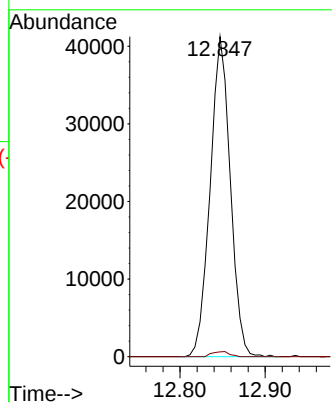
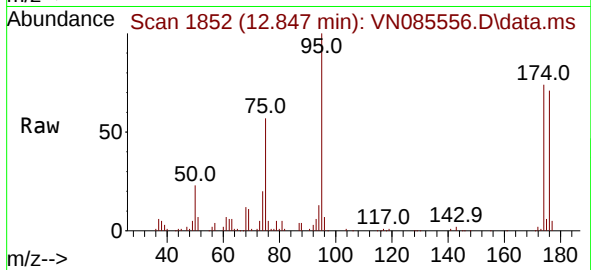
ClientSampleId :

Tgt Ion: 75 Resp: 67988

Ion Ratio Lower Upper

75 100

77 1.4 109.7 329.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 83.924 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085556.D

Acq: 29 Jan 2025 14:40

Tgt Ion: 75 Resp: 67988

Ion Ratio Lower Upper

75 100

53 0.0 95.6 143.4#

89 0.0 37.0 55.6#

