

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021425\
 Data File : VN085768.D
 Acq On : 14 Feb 2025 13:54
 Operator : JC\MD
 Sample : PB166701ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 14 22:37:38 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)

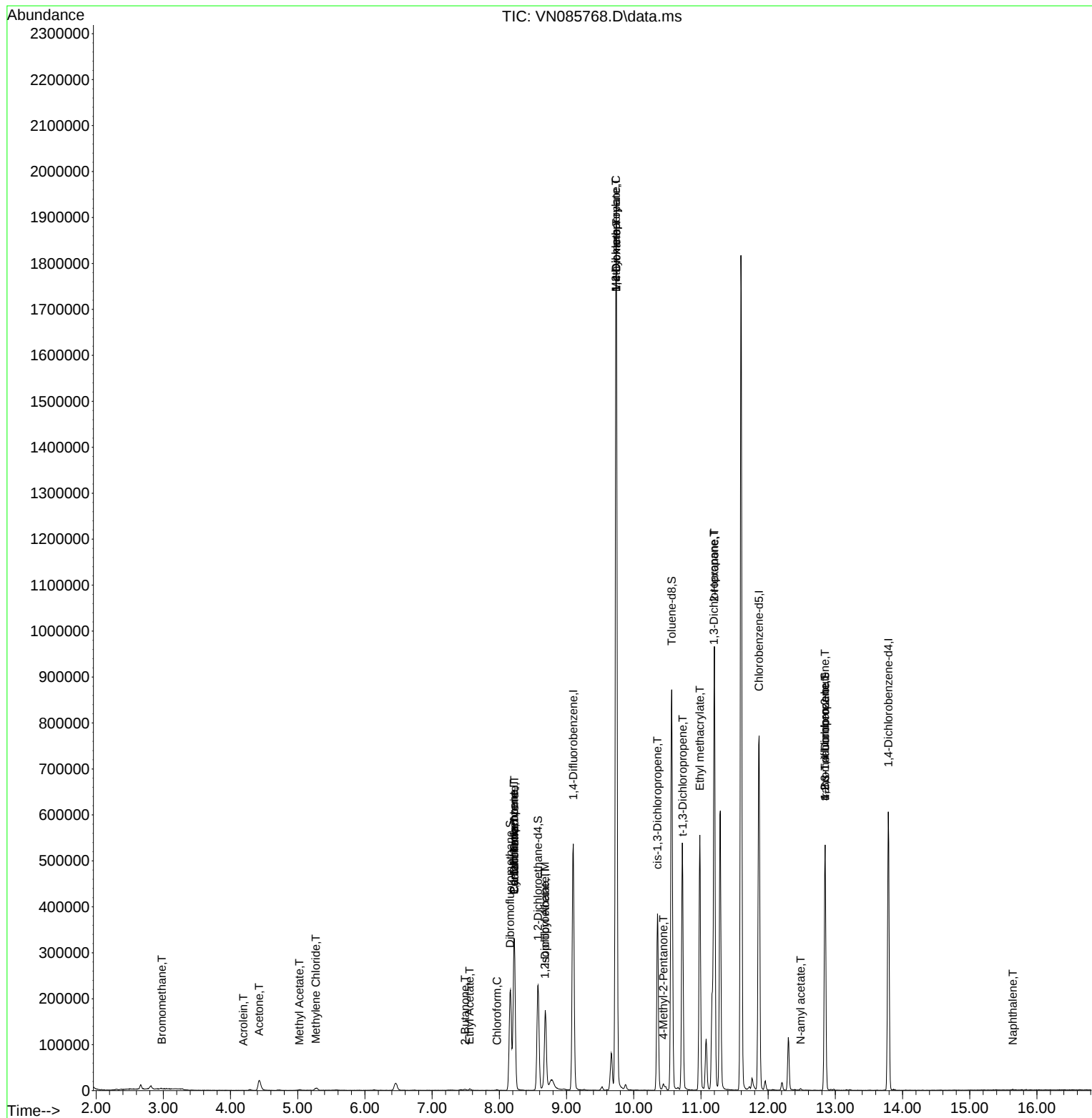
Internal Standards						
1) Pentafluorobenzene	8.218	168	241496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	464663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	456179	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	164751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	190772	48.938	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.880%
35) Dibromofluoromethane	8.159	113	162963	50.553	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.100%
50) Toluene-d8	10.565	98	606063	52.915	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.840%
62) 4-Bromofluorobenzene	12.847	95	184551	47.104	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.200%
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	684	0.318	ug/l #	69
13) Acrolein	4.189	56	152	0.249	ug/l #	59
16) Acetone	4.424	43	42506	33.747	ug/l	97
18) Methyl Acetate	5.024	43	3051	0.797	ug/l #	74
20) Methylene Chloride	5.271	84	4269	1.369	ug/l #	74
25) 2-Butanone	7.489	43	4631	2.498	ug/l	97
30) Chloroform	7.965	83	1426	0.242	ug/l #	69
31) Cyclohexane	8.224	56	5230	1.057	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	20085	4.439	ug/l #	50
37) Ethyl Acetate	7.559	43	4804	1.052	ug/l #	83
38) Carbon Tetrachloride	8.224	117	25296	4.884	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	1389	0.271	ug/l #	76
43) Isopropyl Acetate	8.683	43	191682	26.196	ug/l #	91
45) 1,2-Dichloropropane	9.735	63	2722	0.784	ug/l #	43
48) Methyl methacrylate	9.735	41	171786	52.168	ug/l #	43
49) 1,4-Dioxane	9.741	88	251	4.526	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	7194	1.694	ug/l #	77
53) t-1,3-Dichloropropene	10.730	75	1330	0.276	ug/l #	48
54) cis-1,3-Dichloropropene	10.353	75	69437	13.476	ug/l #	61
56) Ethyl methacrylate	10.982	69	3225	2.522	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	10447	1.927	ug/l #	43
59) 2-Hexanone	11.200	43	123526	41.345	ug/l #	57
74) N-amyl acetate	12.482	43	1629	0.326	ug/l #	50
76) 1,2,3-Trichloropropane	12.847	75	94642	28.263	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	94642	76.468	ug/l #	3
95) Naphthalene	15.641	128	1681	0.227	ug/l #	69

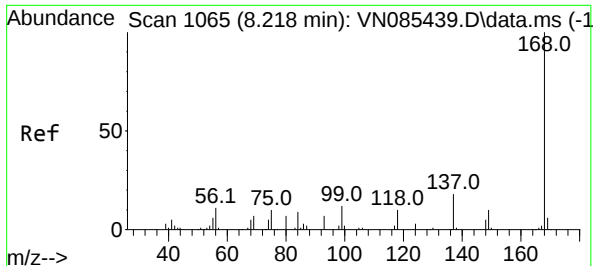
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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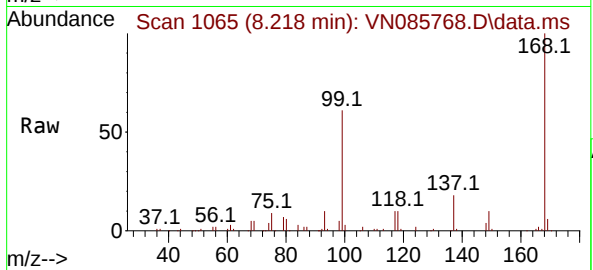
Quant Time: Feb 14 22:37:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
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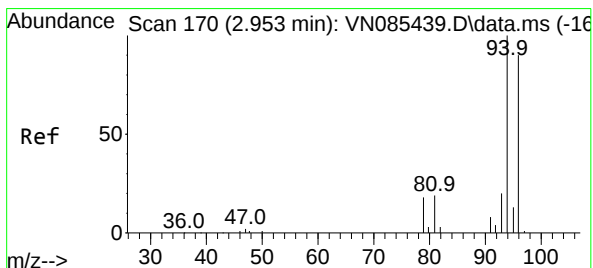
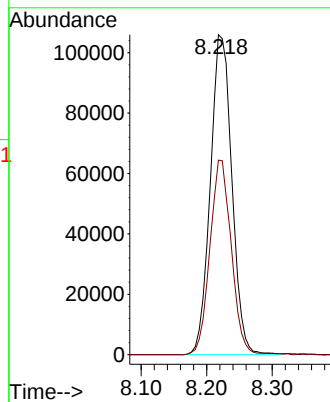
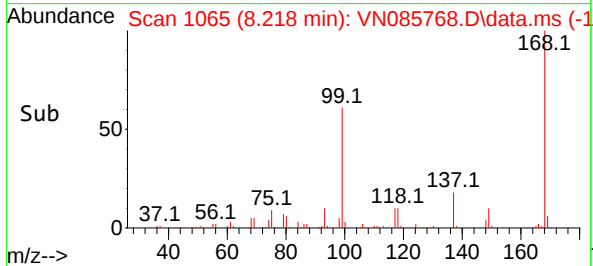


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :

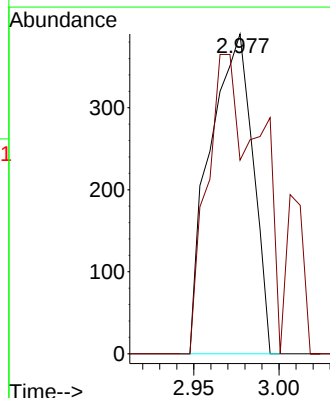
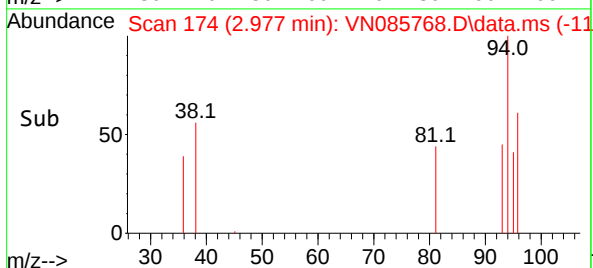
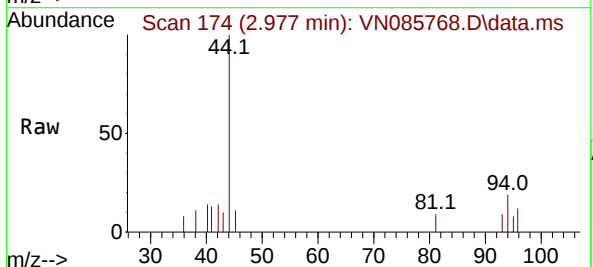


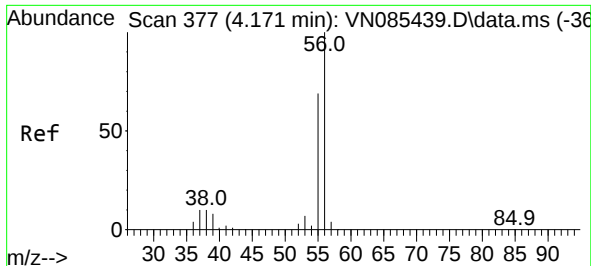
Tgt Ion:168 Resp: 241496
Ion Ratio Lower Upper
168 100
99 60.8 53.6 80.4



#5
Bromomethane
Concen: 0.318 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.024 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

Tgt Ion: 94 Resp: 684
Ion Ratio Lower Upper
94 100
96 60.5 71.8 107.6#

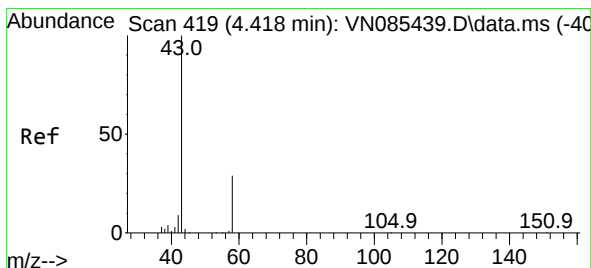
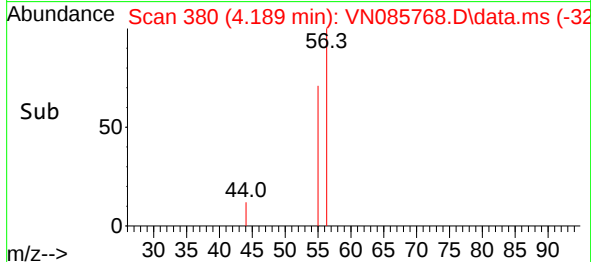
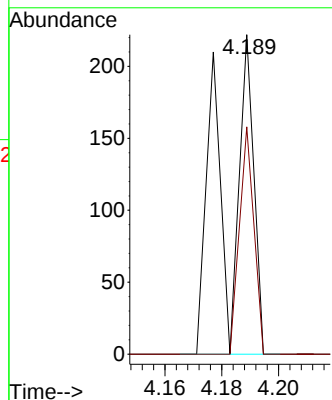
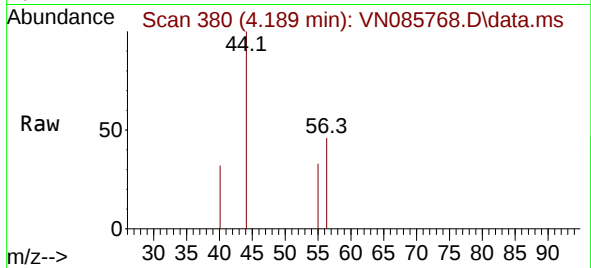




#13
Acrolein
Concen: 0.249 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

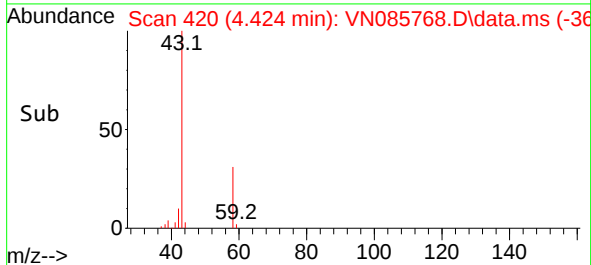
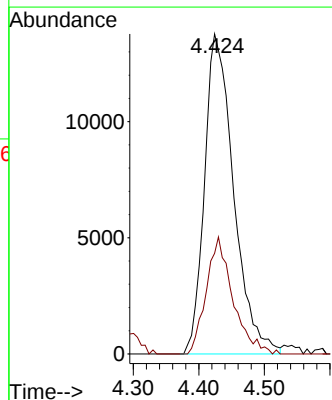
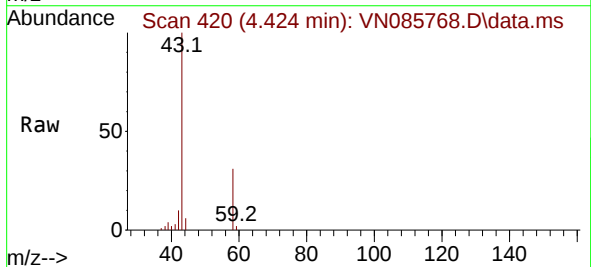
Instrument :
MSVOA_N
ClientSampleId :

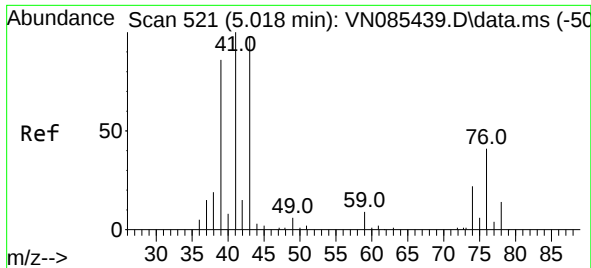
Tgt Ion: 56 Resp: 152
Ion Ratio Lower Upper
56 100
55 36.8 56.3 84.5#



#16
Acetone
Concen: 33.747 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

Tgt Ion: 43 Resp: 42506
Ion Ratio Lower Upper
43 100
58 31.5 23.8 35.6

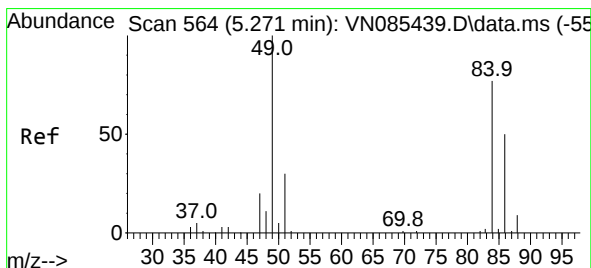
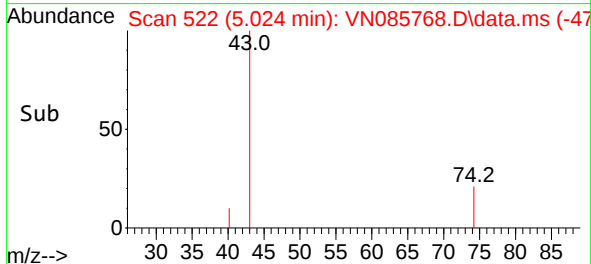
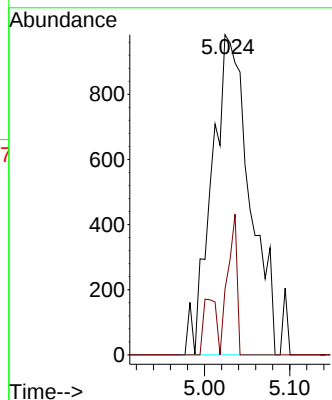
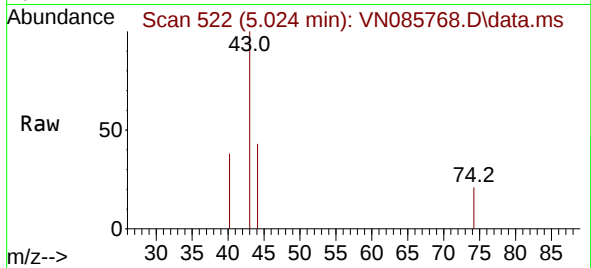




#18
Methyl Acetate
Concen: 0.797 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

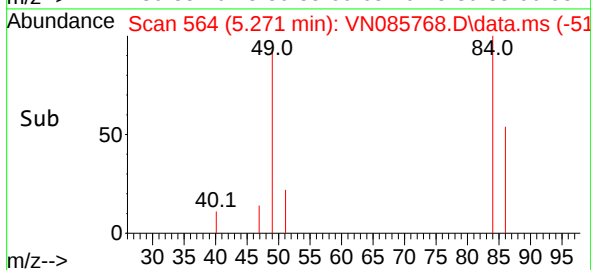
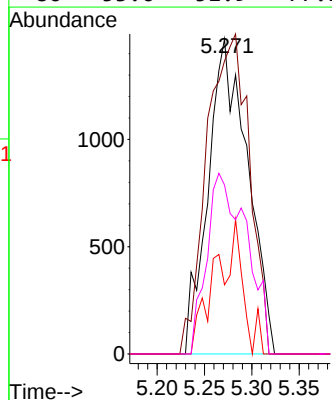
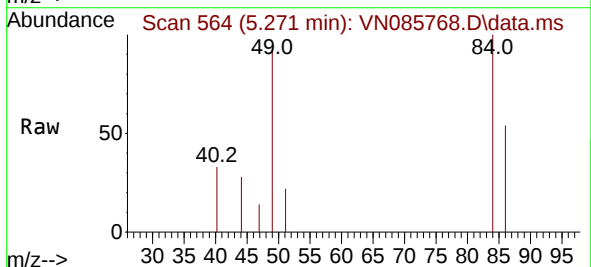
Instrument :
MSVOA_N
ClientSampleId :

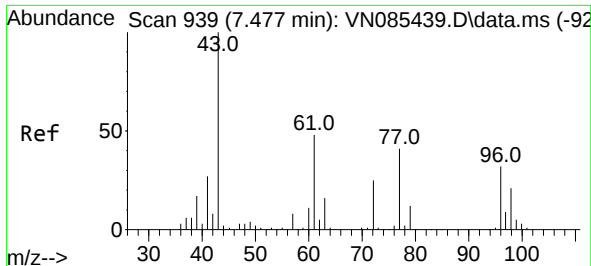
Tgt Ion: 43 Resp: 3051
Ion Ratio Lower Upper
43 100
74 10.7 18.6 28.0#



#20
Methylene Chloride
Concen: 1.369 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

Tgt Ion: 84 Resp: 4269
Ion Ratio Lower Upper
84 100
49 93.0 104.1 156.1#
51 21.9 31.0 46.4#
86 53.6 51.9 77.9

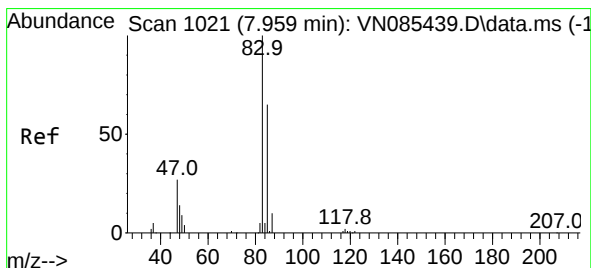
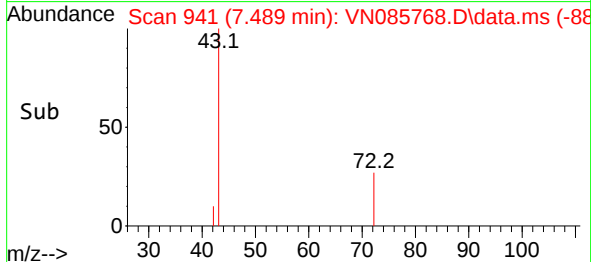
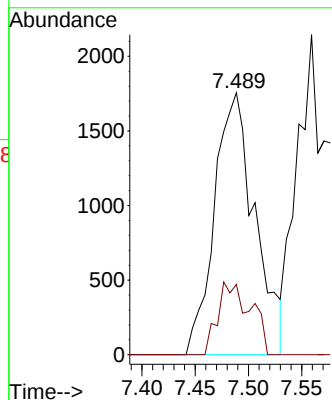
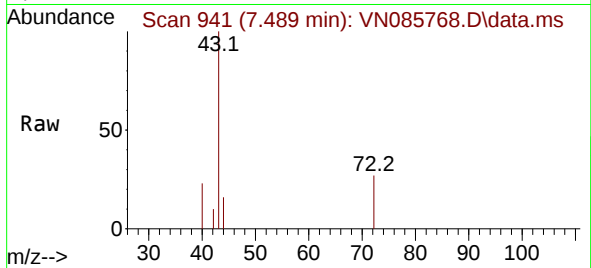




#25
2-Butanone
Concen: 2.498 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

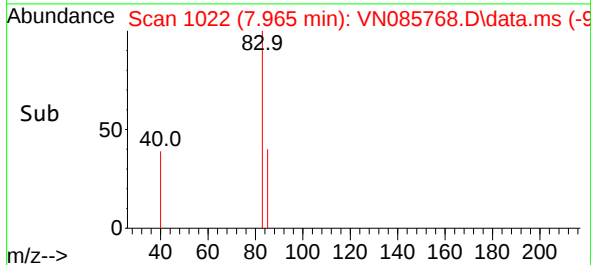
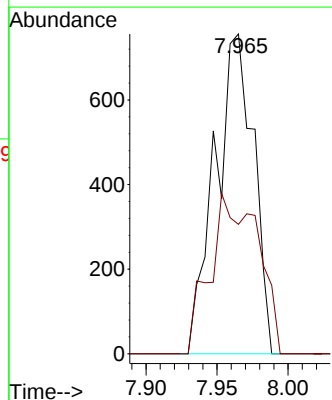
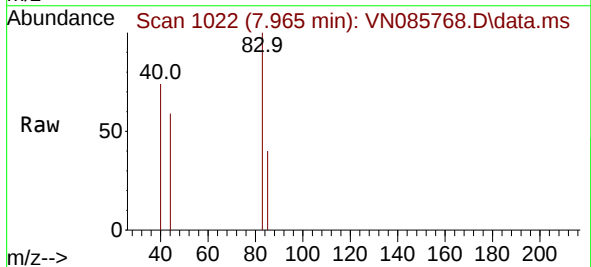
Instrument :
MSVOA_N
ClientSampleId :

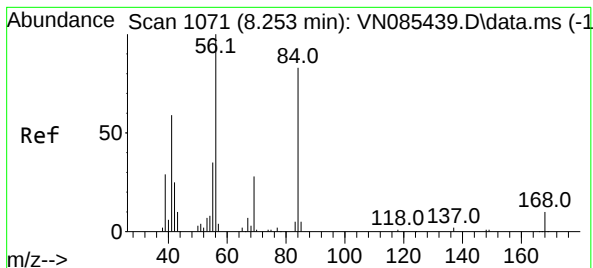
Tgt Ion: 43 Resp: 4631
Ion Ratio Lower Upper
43 100
72 26.8 20.2 30.4



#30
Chloroform
Concen: 0.242 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

Tgt Ion: 83 Resp: 1426
Ion Ratio Lower Upper
83 100
85 40.5 51.8 77.6#





#31

Cyclohexane

Concen: 1.057 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.029 min

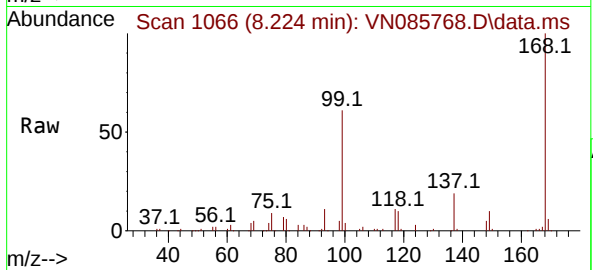
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Acq: 14 Feb 2025 13:54

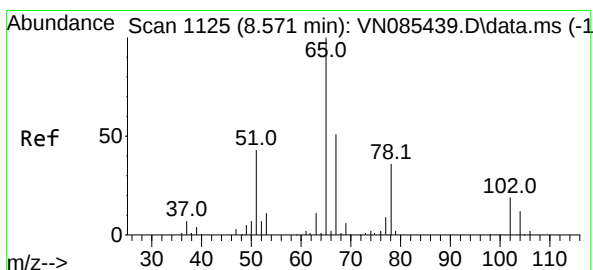
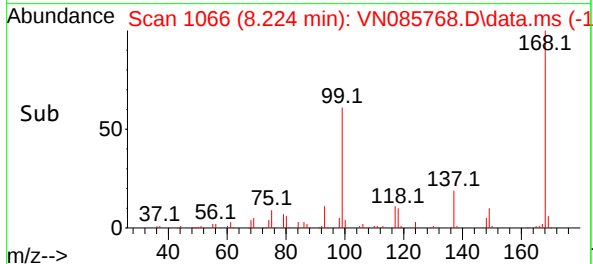
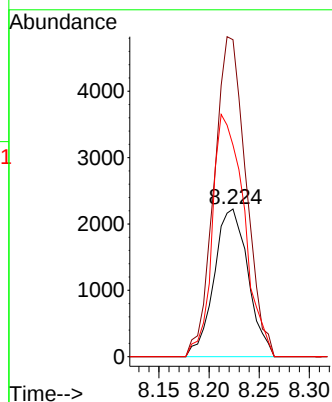
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 5230
Ion Ratio	Lower Upper
56	100
69	214.6 22.2 33.4#
84	143.3 66.4 99.6#



#33

1,2-Dichloroethane-d4

Concen: 48.938 ug/l

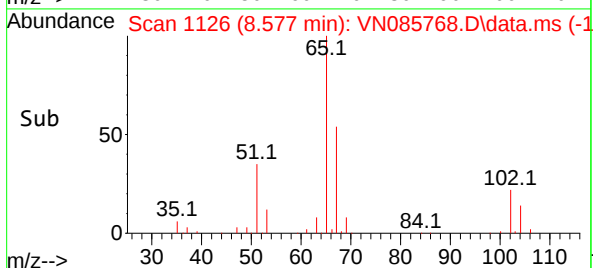
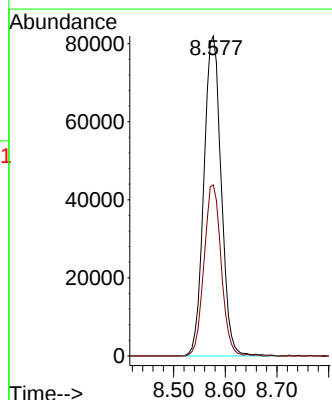
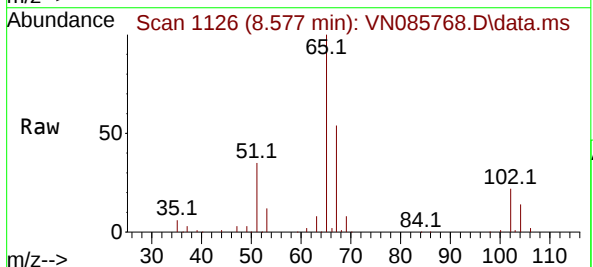
RT: 8.577 min Scan# 1126

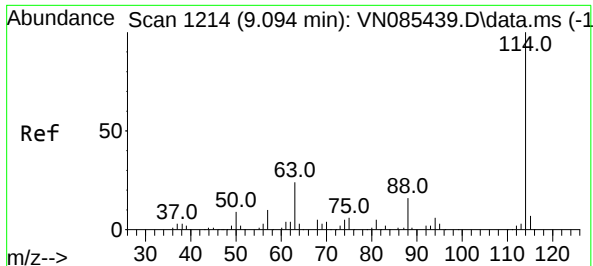
Delta R.T. 0.006 min

Lab File: VN085768.D

Acq: 14 Feb 2025 13:54

Tgt Ion: 65	Resp: 190772
Ion Ratio	Lower Upper
65	100
67	53.1 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: VN085768.D

Acq: 14 Feb 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :

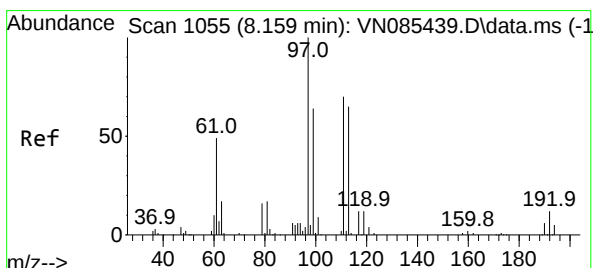
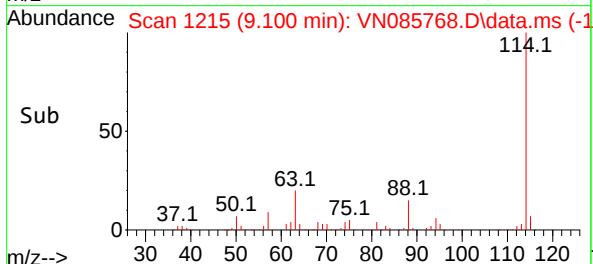
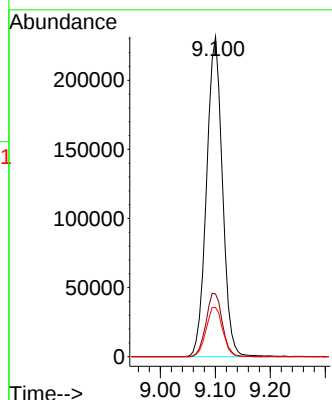
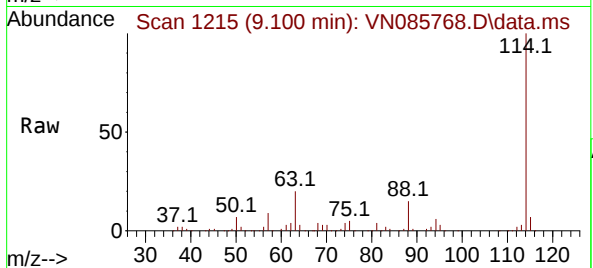
Tgt Ion:114 Resp: 464663

Ion Ratio Lower Upper

114 100

63 19.6 0.0 47.6

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.553 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085768.D

Acq: 14 Feb 2025 13:54

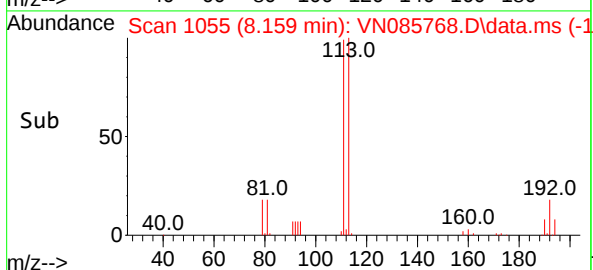
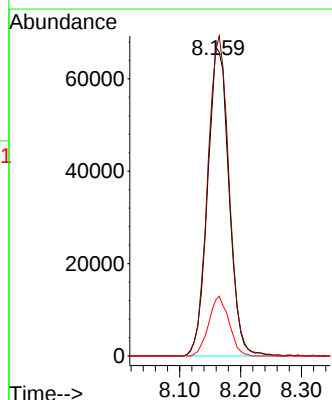
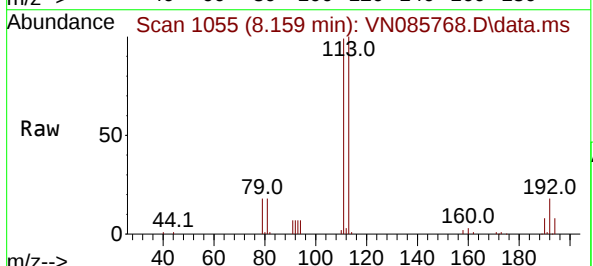
Tgt Ion:113 Resp: 162963

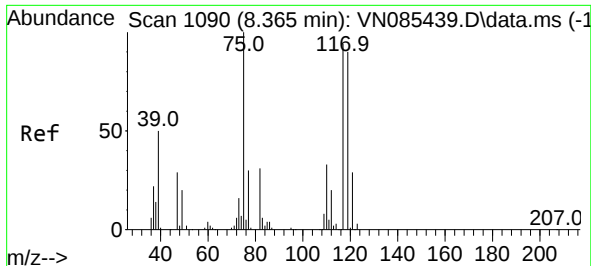
Ion Ratio Lower Upper

113 100

111 103.7 82.7 124.1

192 18.4 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.439 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

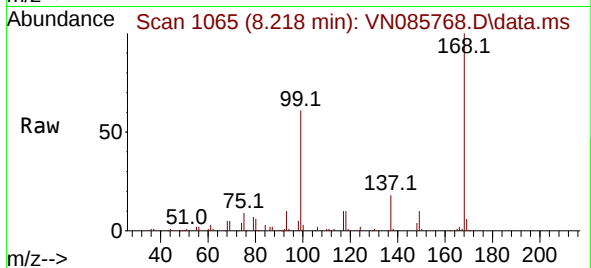
Lab File: VN085768.D

Acq: 14 Feb 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :



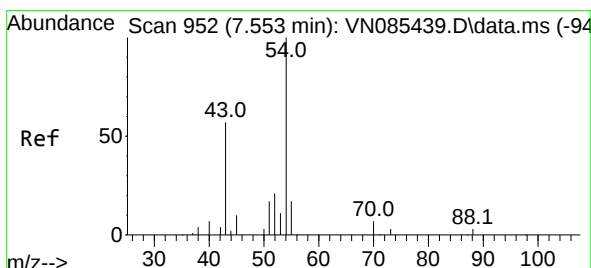
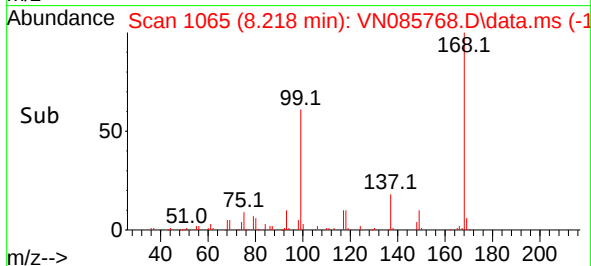
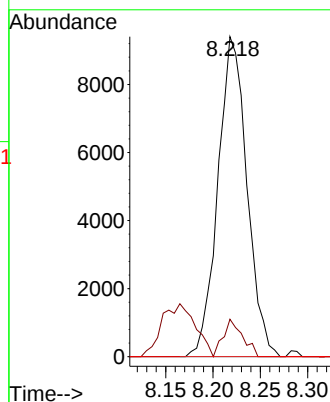
Tgt Ion: 75 Resp: 20085

Ion Ratio Lower Upper

75 100

110 7.8 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.052 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085768.D

Acq: 14 Feb 2025 13:54

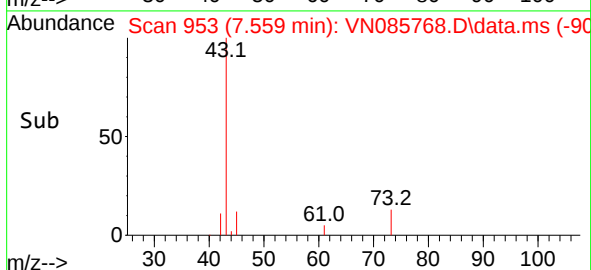
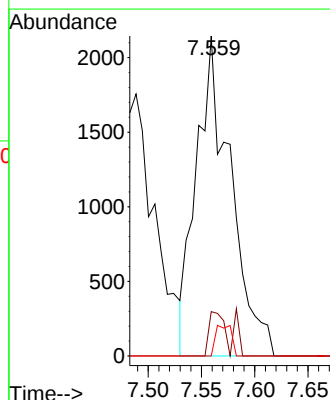
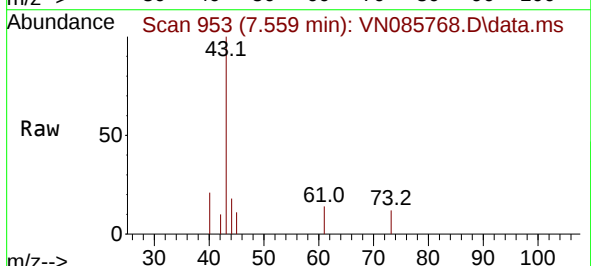
Tgt Ion: 43 Resp: 4804

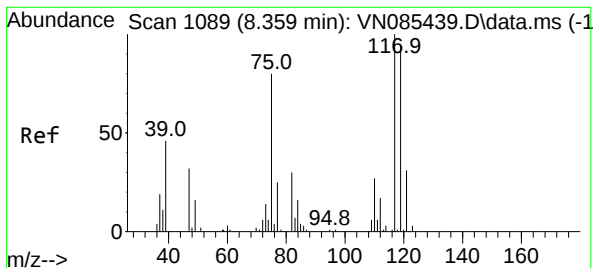
Ion Ratio Lower Upper

43 100

61 6.0 10.9 16.3#

70 4.4 7.5 11.3#





#38

Carbon Tetrachloride

Concen: 4.884 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.135 min

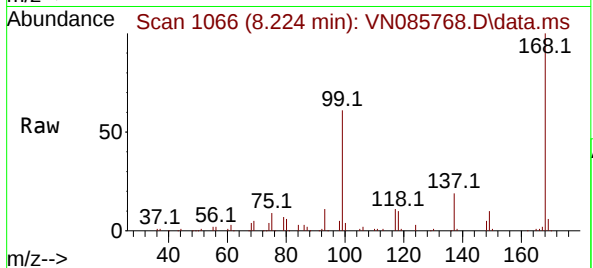
Lab File: VN085768.D

Acq: 14 Feb 2025 13:54

Instrument :

MSVOA_N

ClientSampleId :



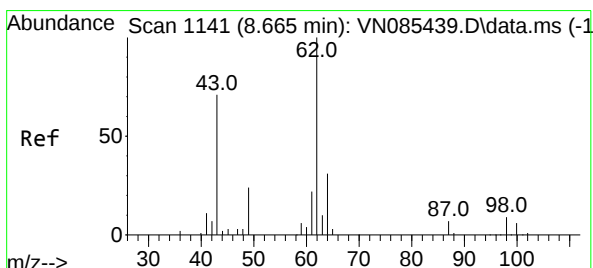
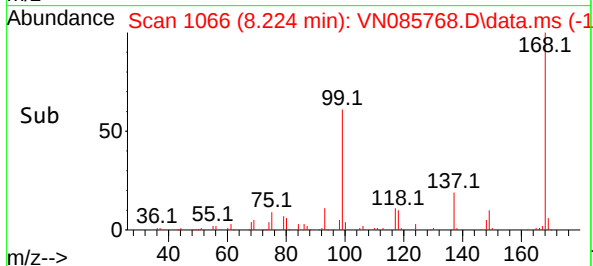
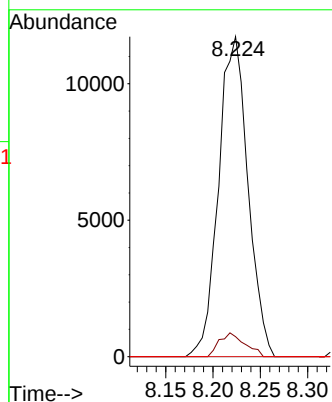
Tgt Ion:117 Resp: 25296

Ion Ratio Lower Upper

117 100

119 6.2 75.4 113.2#

121 0.0 24.6 37.0#



#42

1,2-Dichloroethane

Concen: 0.271 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.012 min

Lab File: VN085768.D

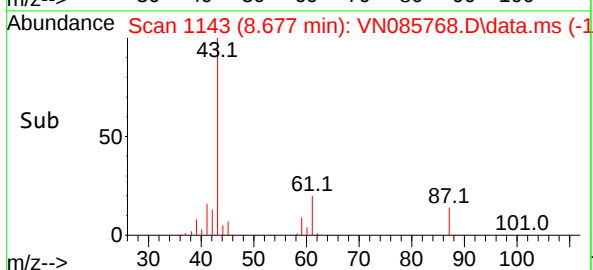
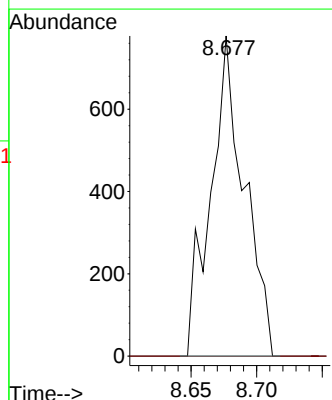
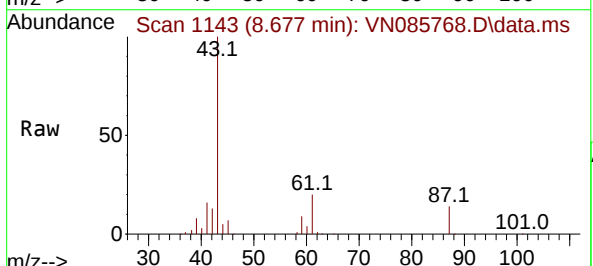
Acq: 14 Feb 2025 13:54

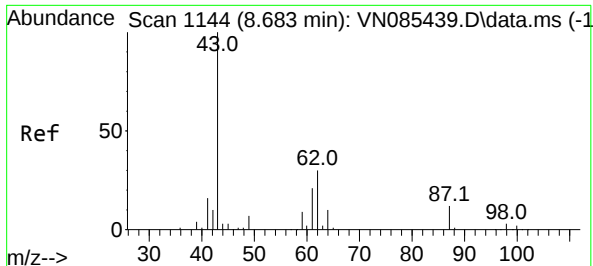
Tgt Ion: 62 Resp: 1389

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0

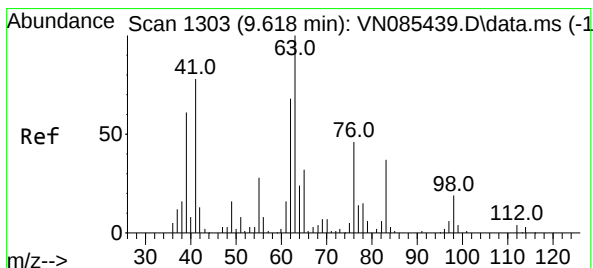
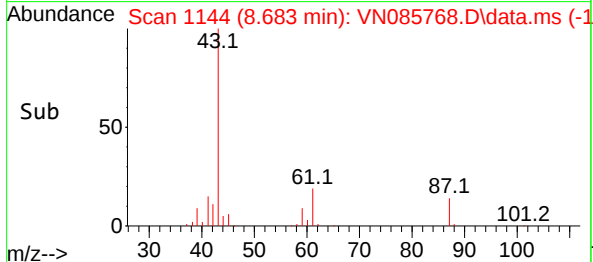
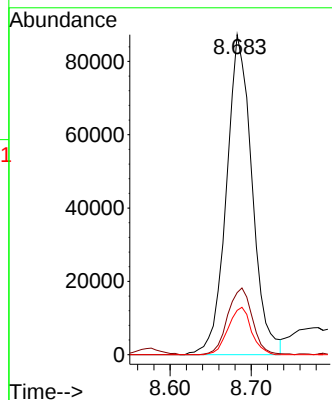
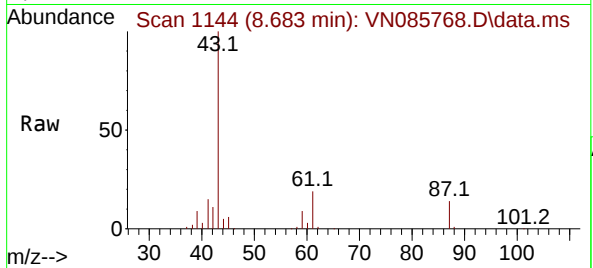




#43
Isopropyl Acetate
Concen: 26.196 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

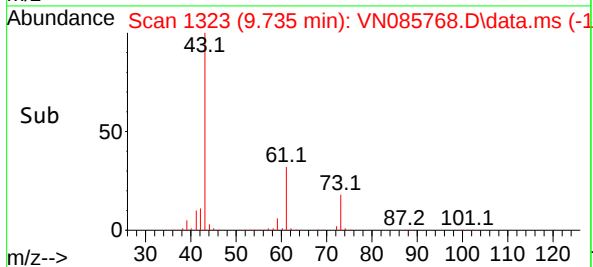
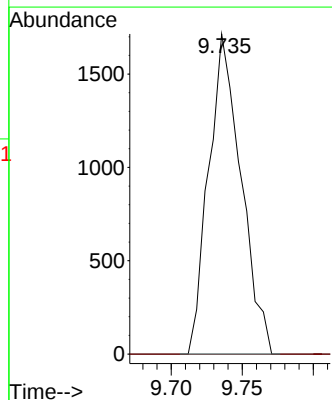
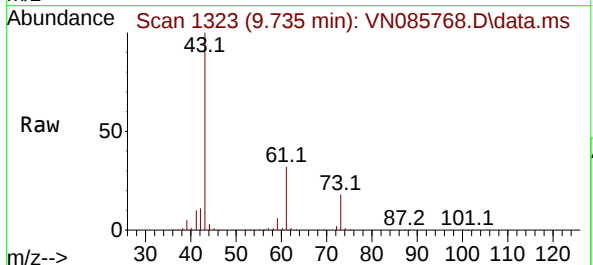
Instrument :
MSVOA_N
ClientSampleId :

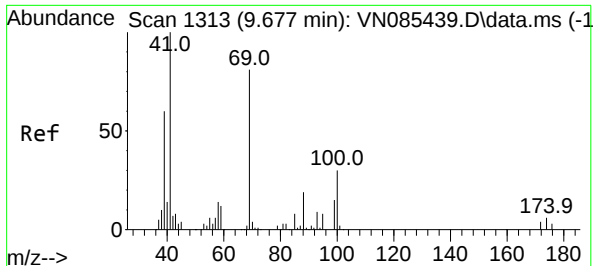
Tgt Ion: 43 Resp: 191682
Ion Ratio Lower Upper
43 100
61 20.1 20.7 31.1#
87 13.4 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.784 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

Tgt Ion: 63 Resp: 2722
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

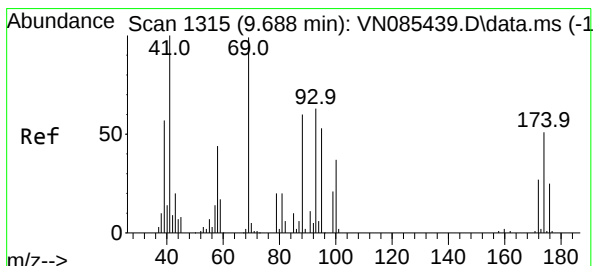
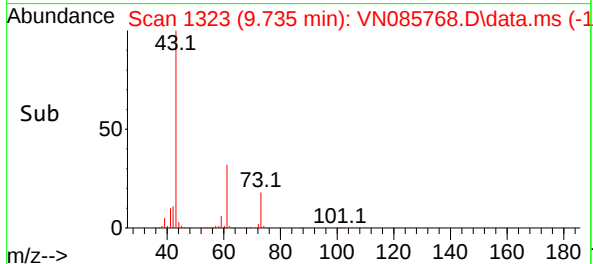
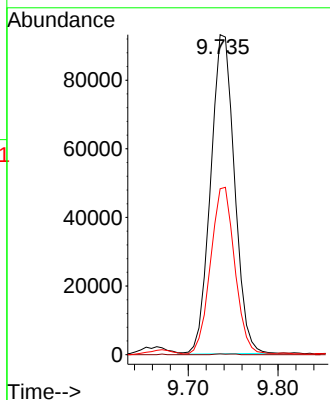
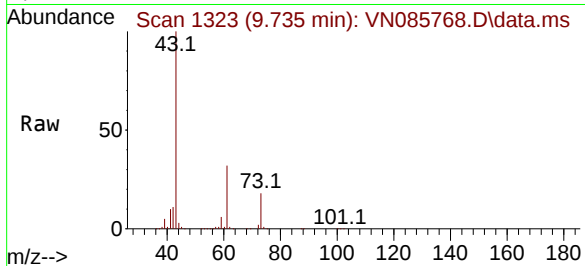




#48
Methyl methacrylate
Concen: 52.168 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.058 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

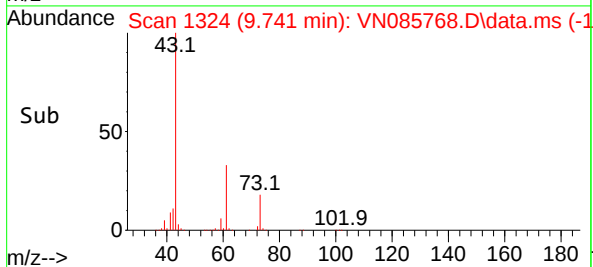
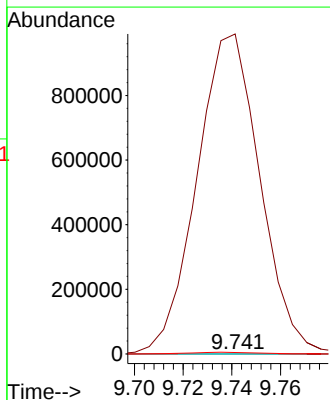
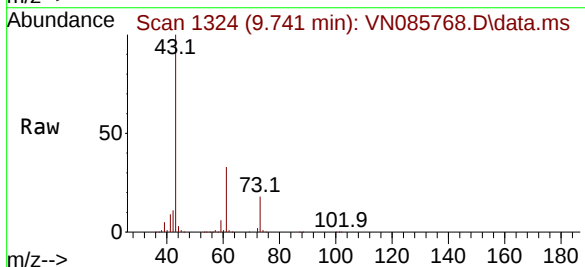
Instrument :
MSVOA_N
ClientSampleId :

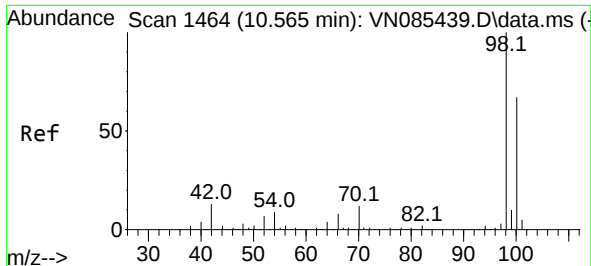
Tgt Ion: 41 Resp: 171786
Ion Ratio Lower Upper
41 100
69 0.2 64.7 97.1#
39 52.8 49.0 73.6



#49
1,4-Dioxane
Concen: 4.526 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.053 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

Tgt Ion: 88 Resp: 251
Ion Ratio Lower Upper
88 100
43 716778.5 26.6 39.8#
58 4153.0 59.5 89.3#

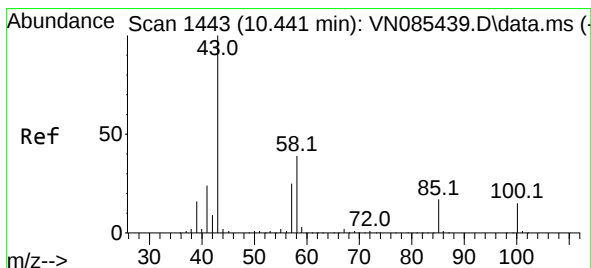
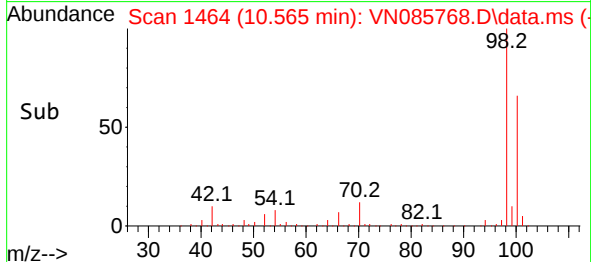
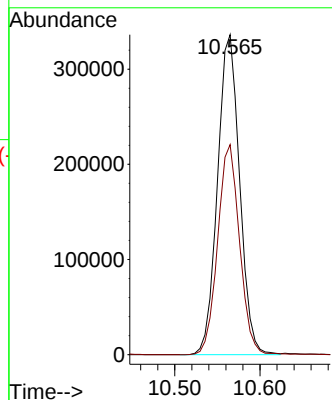
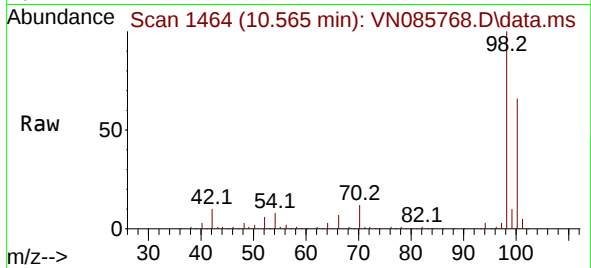




#50
Toluene-d8
Concen: 52.915 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

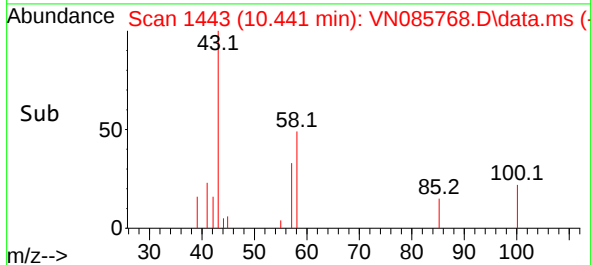
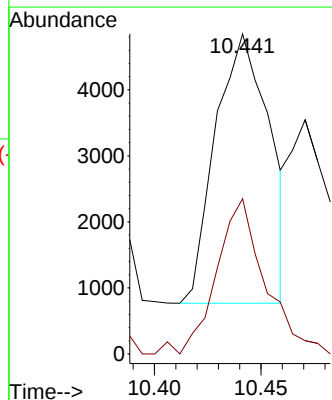
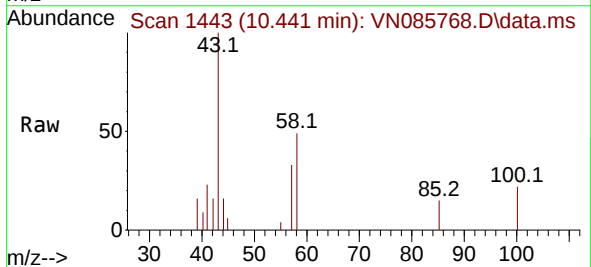
Instrument :
MSVOA_N
ClientSampleId :

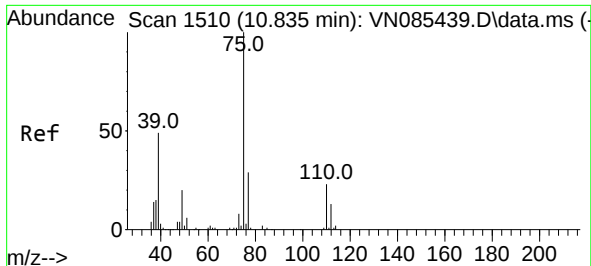
Tgt Ion: 98 Resp: 606063
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.694 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

Tgt Ion: 43 Resp: 7194
Ion Ratio Lower Upper
43 100
58 52.0 30.5 45.7#

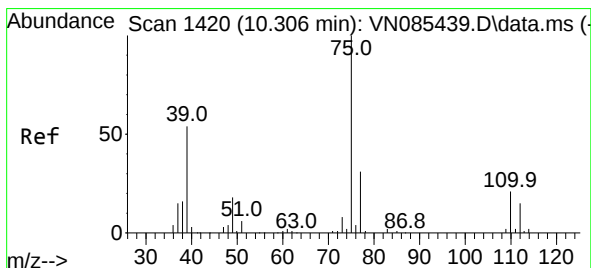
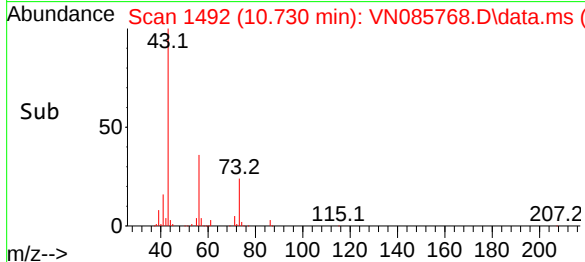
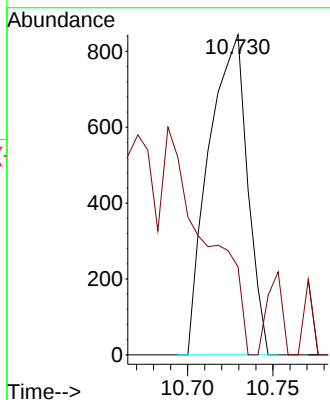
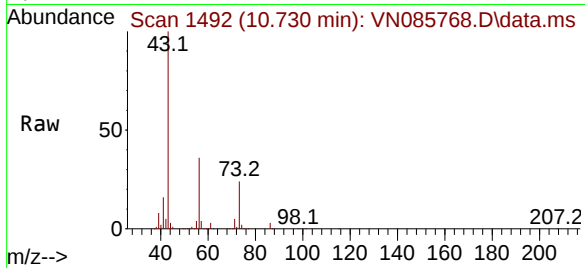




#53
t-1,3-Dichloropropene
Concen: 0.276 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

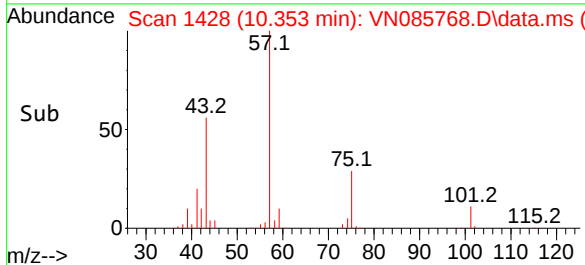
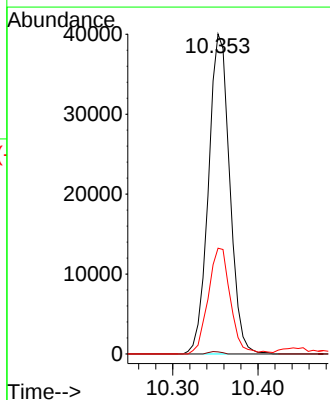
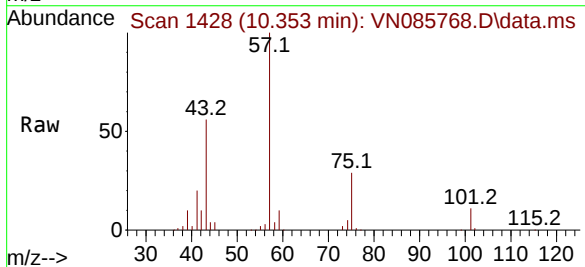
Instrument :
MSVOA_N
ClientSampleId :

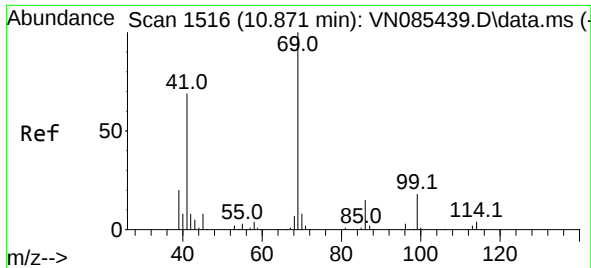
Tgt Ion: 75 Resp: 1330
Ion Ratio Lower Upper
75 100
77 1.5 23.5 35.3#



#54
cis-1,3-Dichloropropene
Concen: 13.476 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

Tgt Ion: 75 Resp: 69437
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.4#
39 33.1 43.1 64.7#

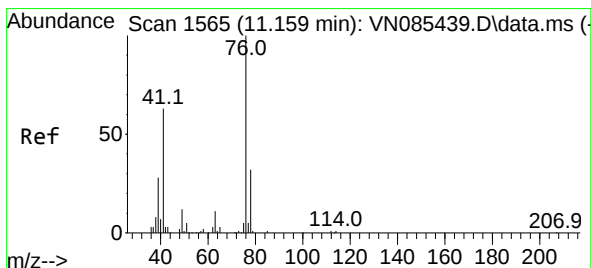
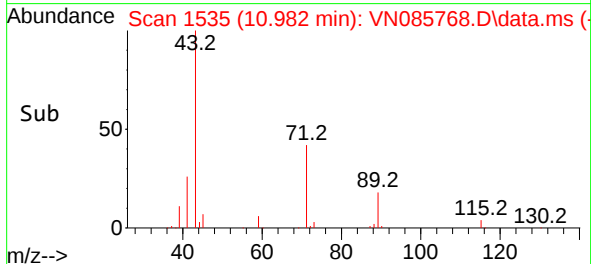
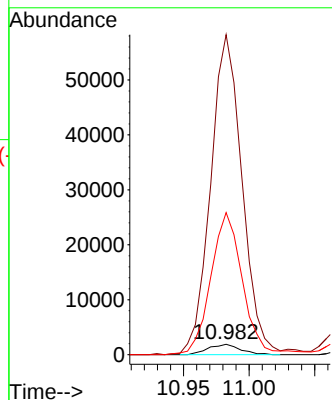
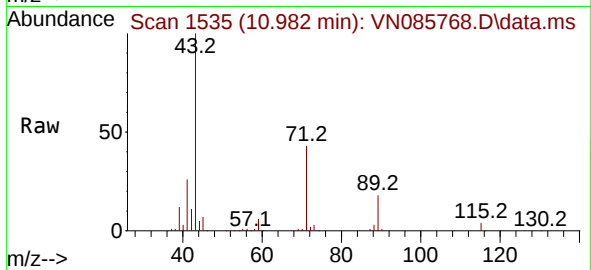




#56
Ethyl methacrylate
Concen: 2.522 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

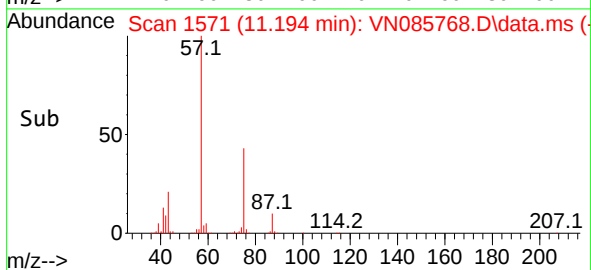
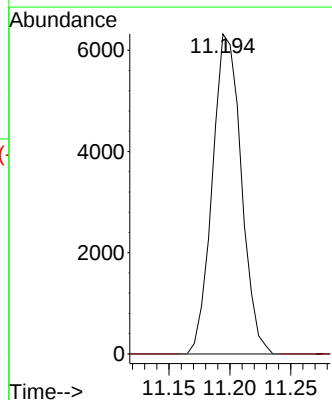
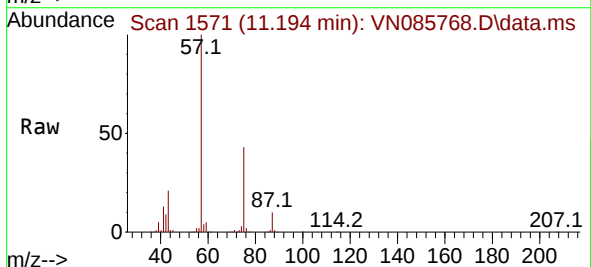
Instrument :
MSVOA_N
ClientSampleId :

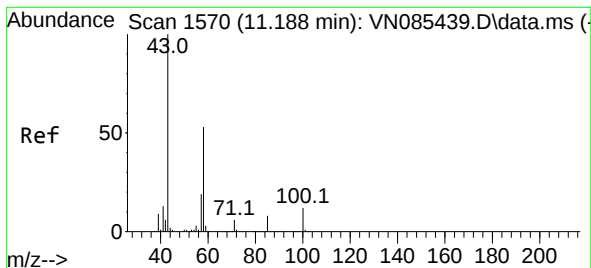
Tgt Ion: 69 Resp: 3225
Ion Ratio Lower Upper
69 100
41 3038.4 54.6 82.0#
39 1355.5 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.927 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

Tgt Ion: 76 Resp: 10447
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

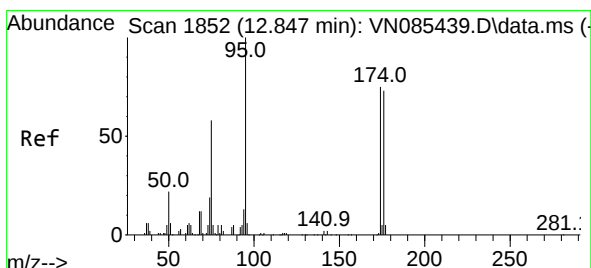
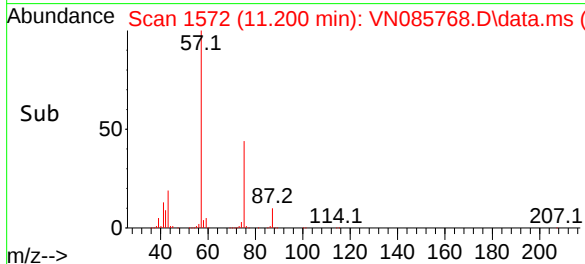
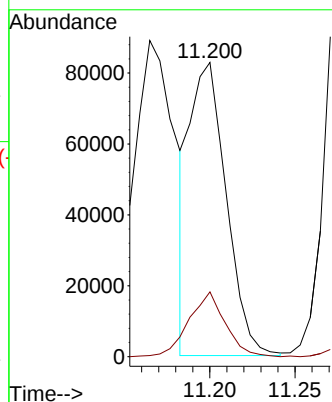
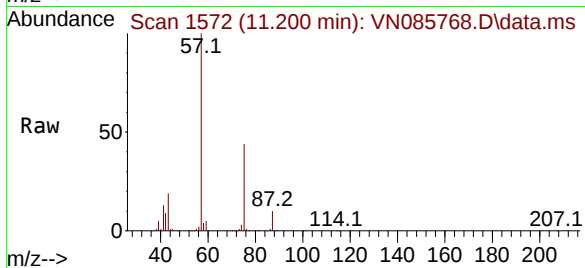




#59
2-Hexanone
Concen: 41.345 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

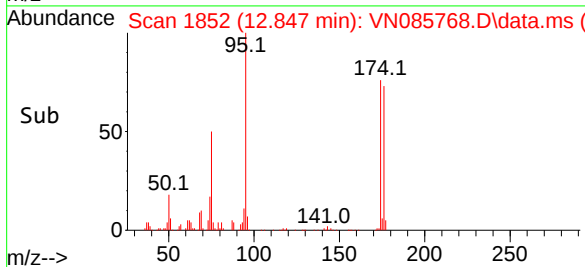
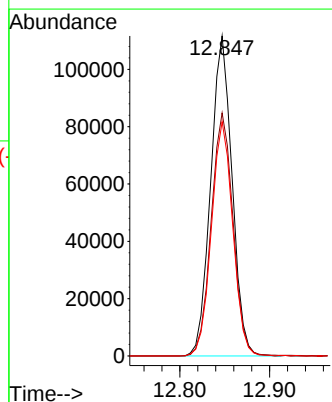
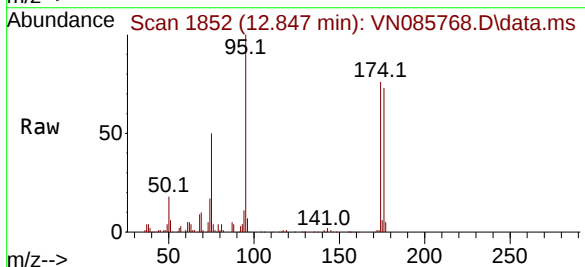
Instrument :
MSVOA_N
ClientSampleId :

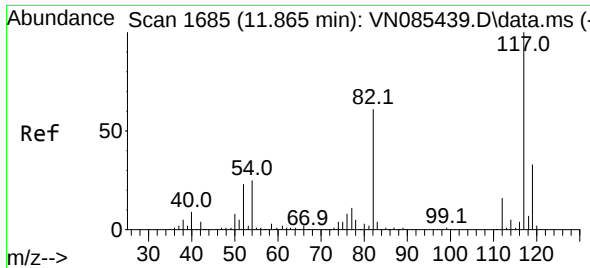
Tgt Ion: 43 Resp: 123526
Ion Ratio Lower Upper
43 100
58 22.1 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 47.104 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

Tgt Ion: 95 Resp: 184551
Ion Ratio Lower Upper
95 100
174 77.5 0.0 145.0
176 73.1 0.0 142.4

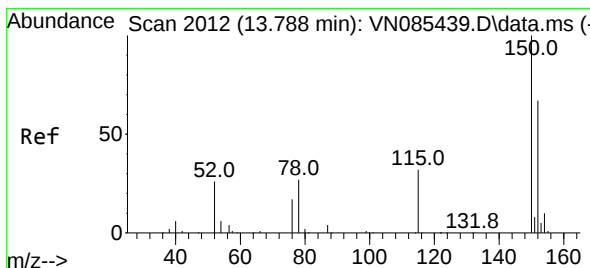
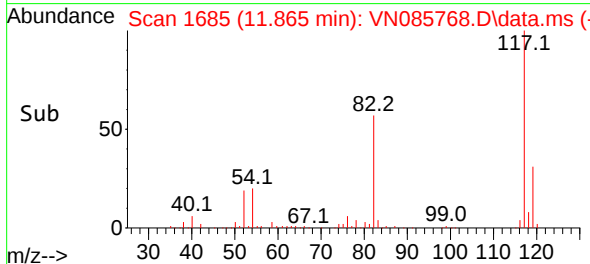
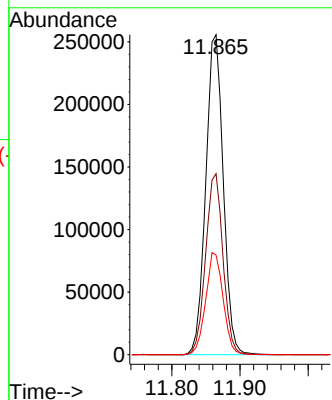
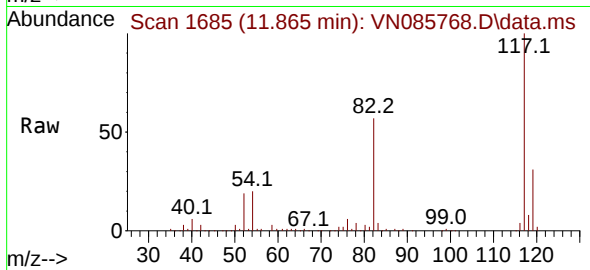




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

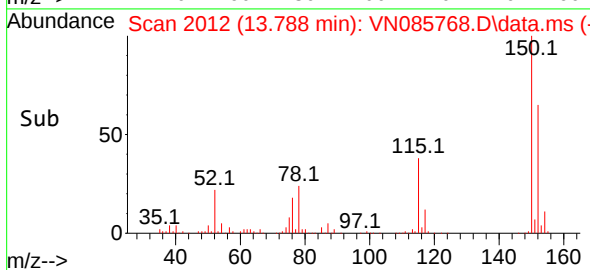
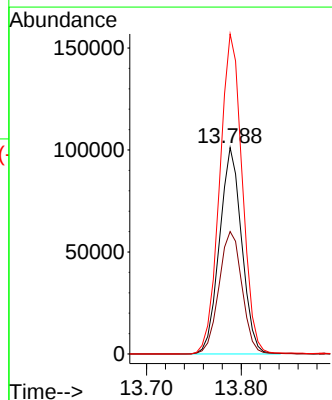
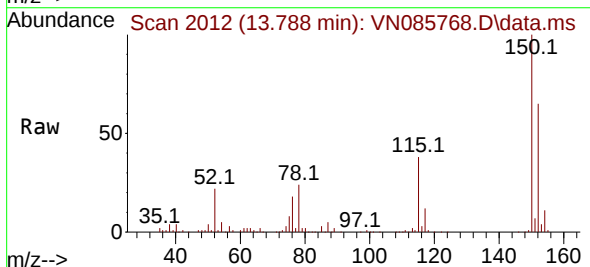
Instrument :
MSVOA_N
ClientSampleId :

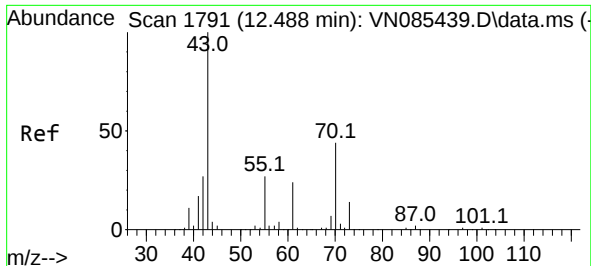
Tgt Ion:117 Resp: 456179
Ion Ratio Lower Upper
117 100
82 56.5 48.6 72.8
119 31.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

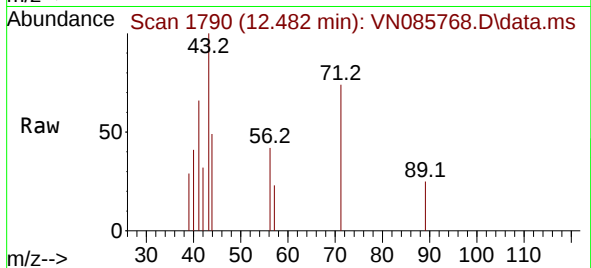
Tgt Ion:152 Resp: 164751
Ion Ratio Lower Upper
152 100
115 61.7 31.1 93.3
150 158.1 0.0 343.6



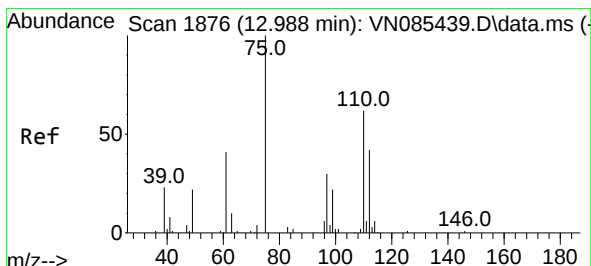
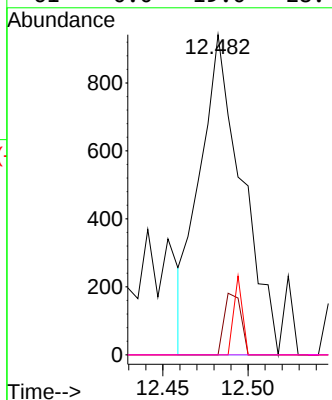
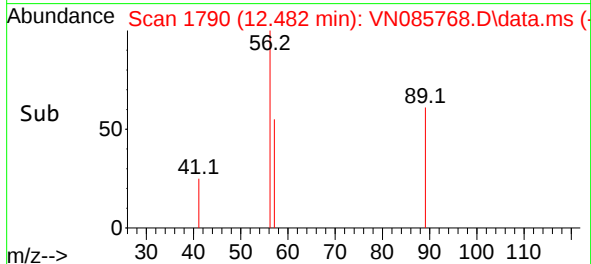


#74
N-amy1 acetate
Concen: 0.326 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :

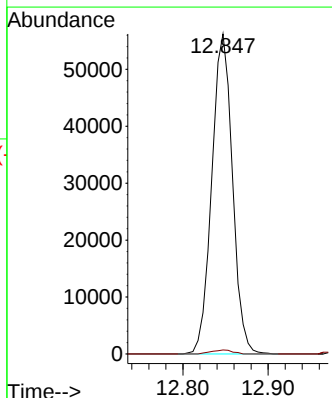
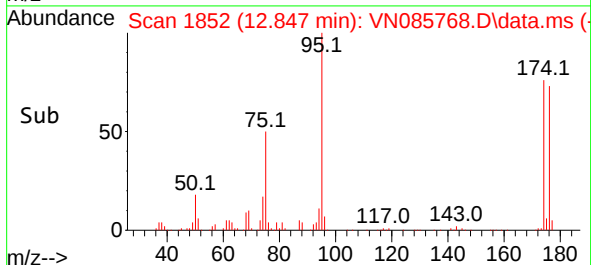
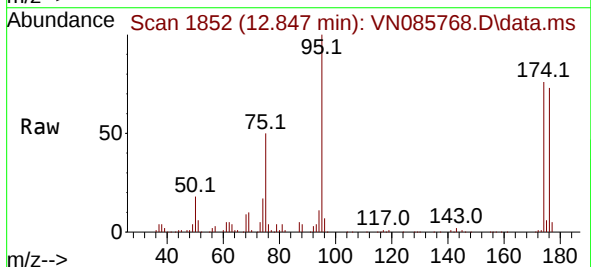


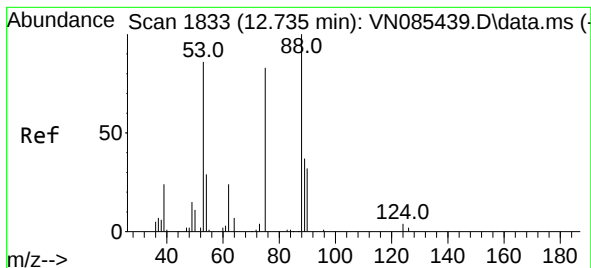
Tgt Ion:	43	Resp:	1629
Ion	Ratio	Lower	Upper
43	100		
70	7.6	34.0	51.0#
55	5.0	21.4	32.2#
61	0.0	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 28.263 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

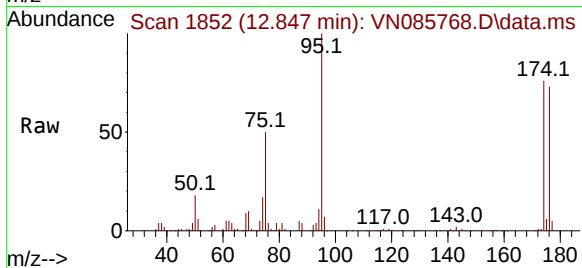
Tgt Ion:	75	Resp:	94642
Ion	Ratio	Lower	Upper
75	100		
77	1.3	109.7	329.2#



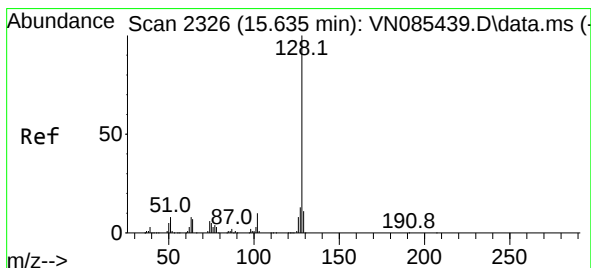
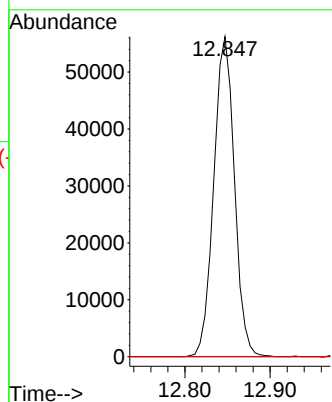
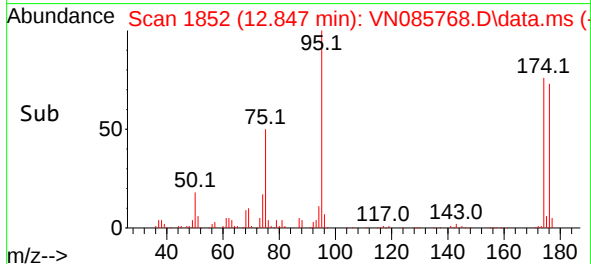


#81
trans-1,4-Dichloro-2-butene
Concen: 76.468 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54

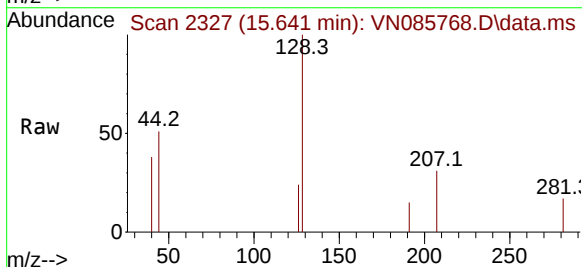
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 94642
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 0.227 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085768.D
Acq: 14 Feb 2025 13:54



Tgt Ion: 128 Resp: 1681
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

