

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085567.D
 Acq On : 29 Jan 2025 19:06
 Operator : JC\MD
 Sample : PB166319ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:41:03 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)

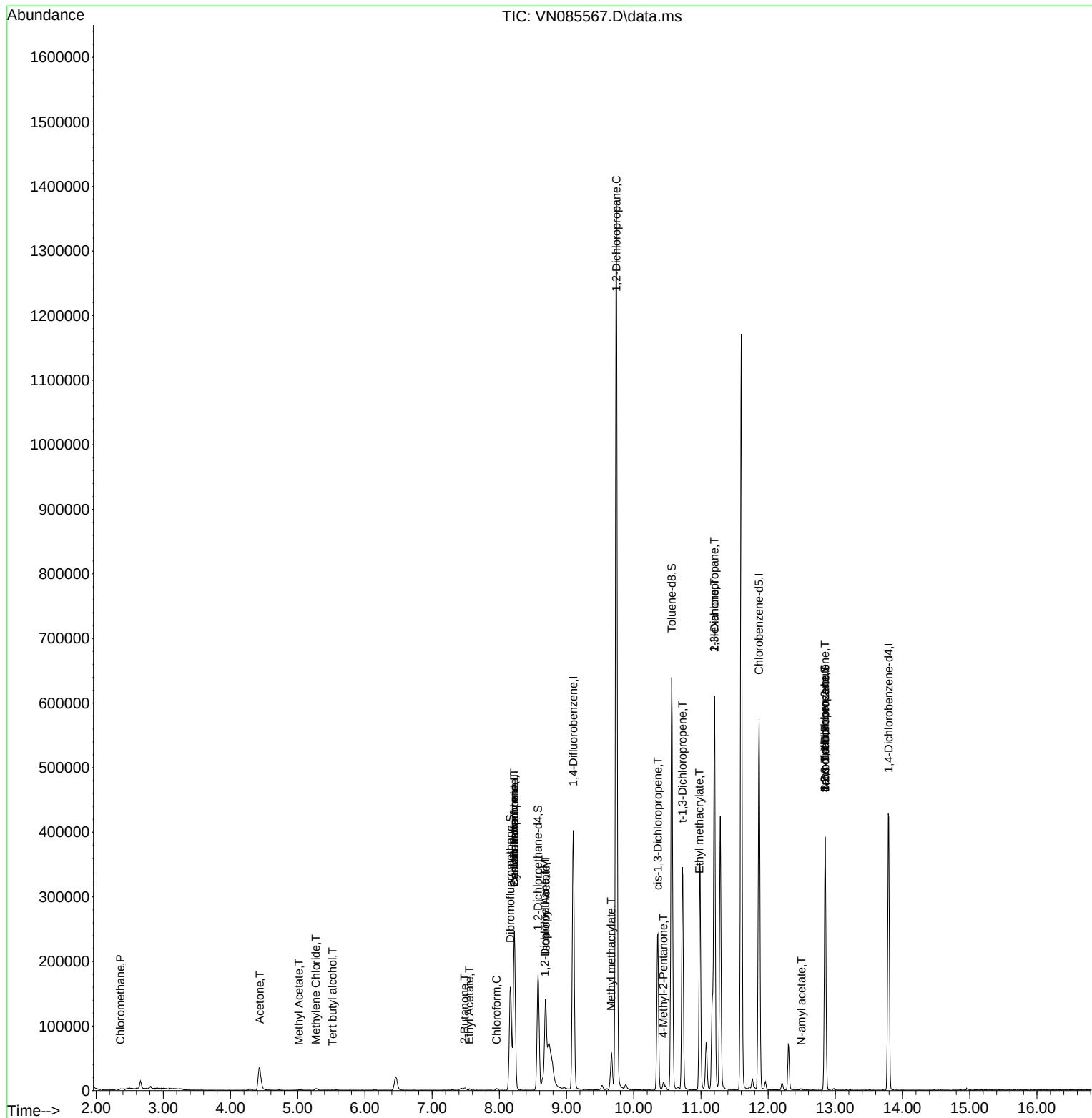
Internal Standards						
1) Pentafluorobenzene	8.224	168	162087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324788	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	308597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	110825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150433	57.496	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.000%
35) Dibromofluoromethane	8.165	113	114556	50.841	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.680%
50) Toluene-d8	10.565	98	423687	52.923	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.840%
62) 4-Bromofluorobenzene	12.847	95	124749	45.553	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.100%
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	581	0.245	ug/l #	69
11) Tert butyl alcohol	5.518	59	279	0.931	ug/l #	71
16) Acetone	4.436	43	70629	83.546	ug/l	98
18) Methyl Acetate	5.018	43	1144	0.445	ug/l #	52
20) Methylene Chloride	5.271	84	1987	0.949	ug/l	91
25) 2-Butanone	7.483	43	6862	5.516	ug/l	97
30) Chloroform	7.959	83	2856	0.723	ug/l	96
31) Cyclohexane	8.224	56	4953	1.492	ug/l #	28
36) 1,1-Dichloropropene	8.224	75	15404	4.871	ug/l #	50
37) Ethyl Acetate	7.553	43	3499	1.096	ug/l #	86
38) Carbon Tetrachloride	8.224	117	18425	5.089	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	853	0.238	ug/l #	76
43) Isopropyl Acetate	8.688	43	286573	56.030	ug/l #	71
45) 1,2-Dichloropropane	9.741	63	1905	0.785	ug/l #	43
48) Methyl methacrylate	9.665	41	3990	1.734	ug/l #	46
51) 4-Methyl-2-Pentanone	10.441	43	7822	2.635	ug/l	98
53) t-1,3-Dichloropropene	10.724	75	763	0.226	ug/l #	45
54) cis-1,3-Dichloropropene	10.359	75	38890	10.798	ug/l #	72
56) Ethyl methacrylate	10.977	69	2224	2.514	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6008	1.586	ug/l #	43
59) 2-Hexanone	11.200	43	75810	36.302	ug/l #	58
71) Bromoform	12.847	173	1084	0.611	ug/l #	1
74) N-amyl acetate	12.494	43	751	0.223	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	70417	31.261	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70417	84.579	ug/l #	3

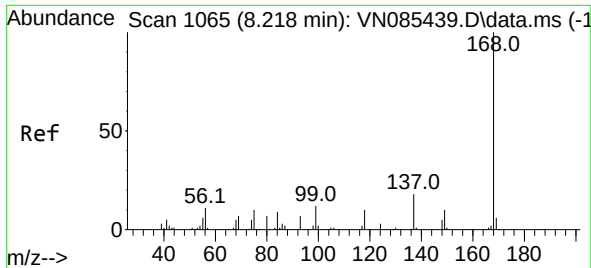
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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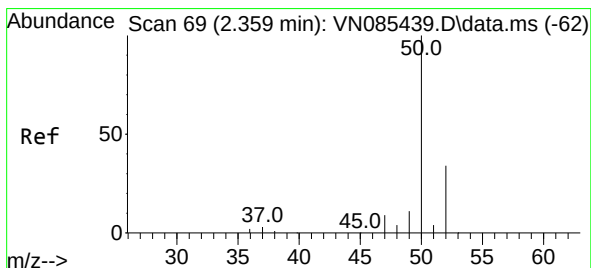
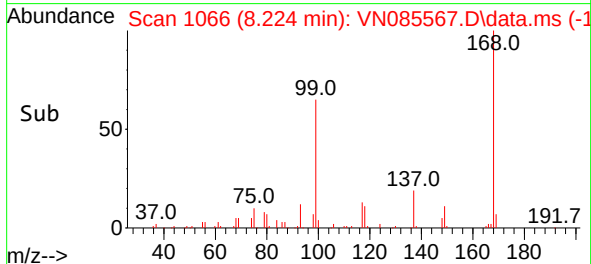
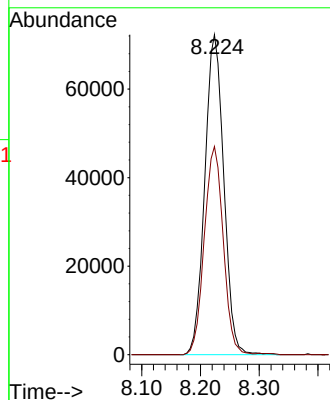
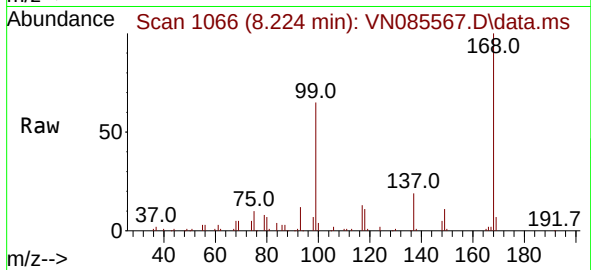




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

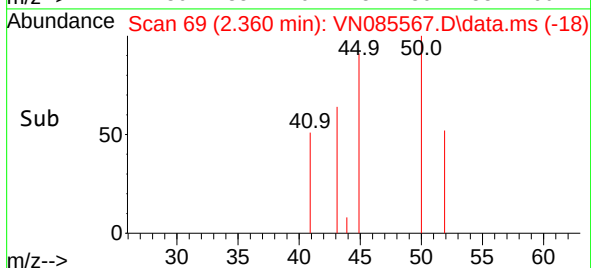
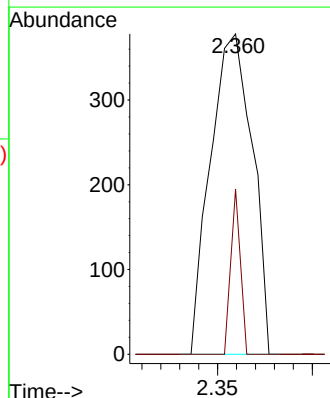
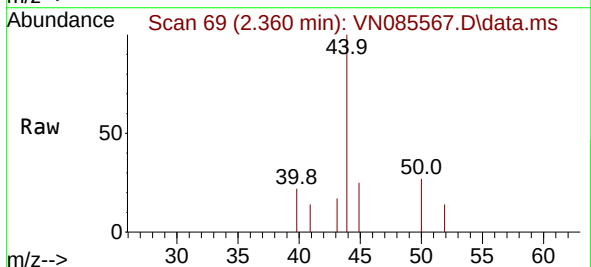
Instrument :
MSVOA_N
ClientSampleId :

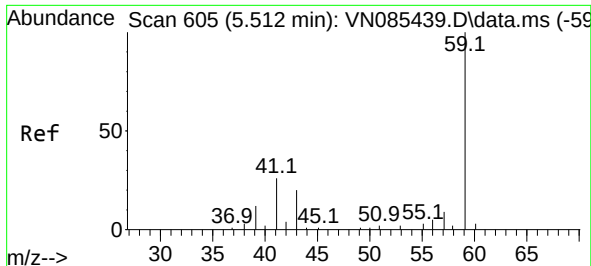
Tgt Ion:168 Resp: 162087
Ion Ratio Lower Upper
168 100
99 65.1 53.6 80.4



#3
Chloromethane
Concen: 0.245 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

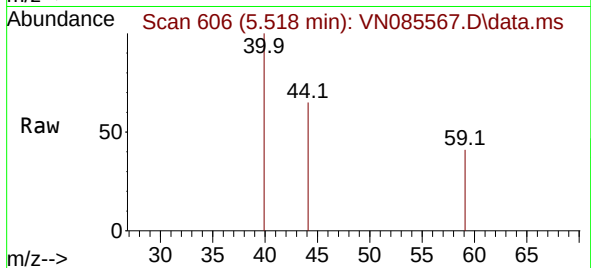
Tgt Ion: 50 Resp: 581
Ion Ratio Lower Upper
50 100
52 51.6 27.0 40.6#



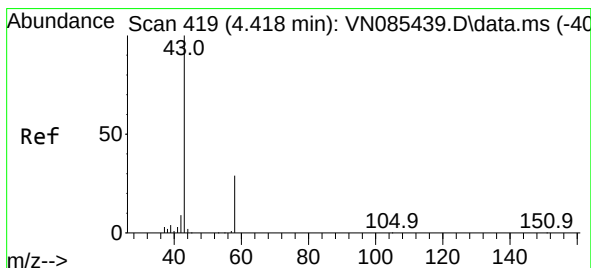
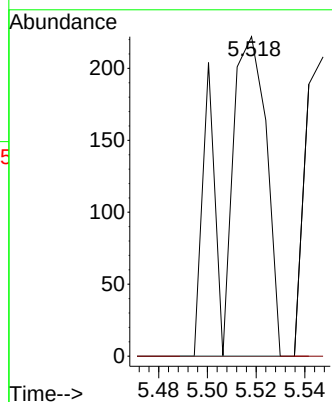
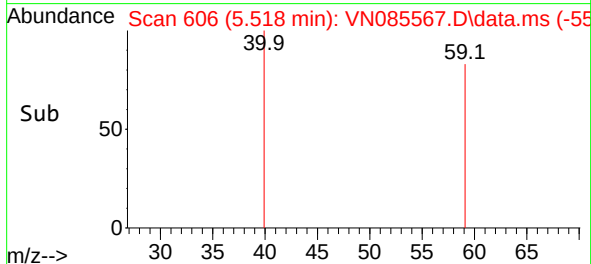


#11
Tert butyl alcohol
Concen: 0.931 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

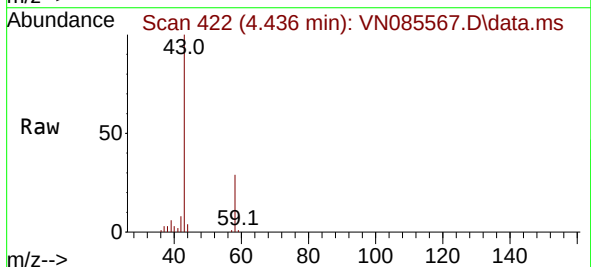
Instrument :
MSVOA_N
ClientSampleId :



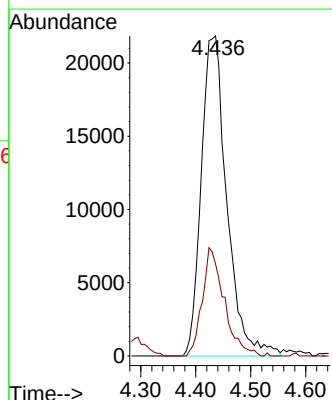
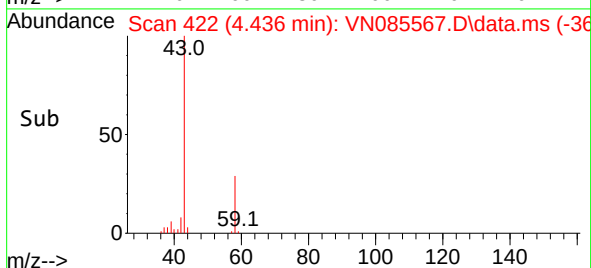
Tgt Ion: 59 Resp: 279
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

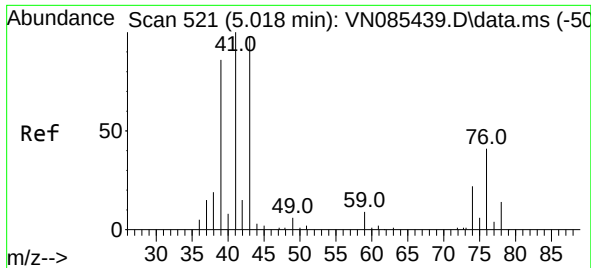


#16
Acetone
Concen: 83.546 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06



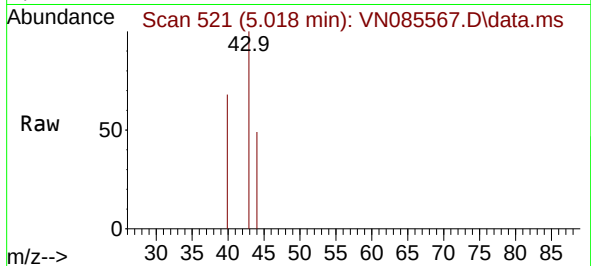
Tgt Ion: 43 Resp: 70629
Ion Ratio Lower Upper
43 100
58 28.7 23.8 35.6



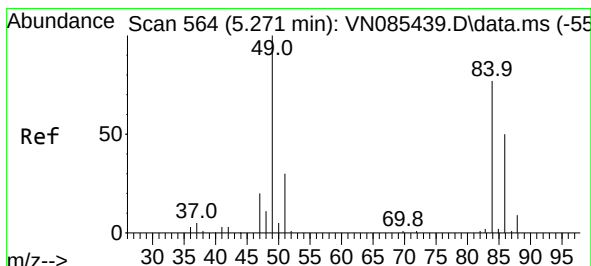
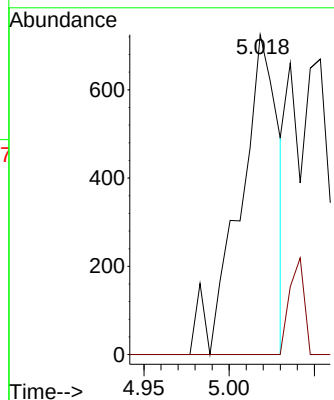
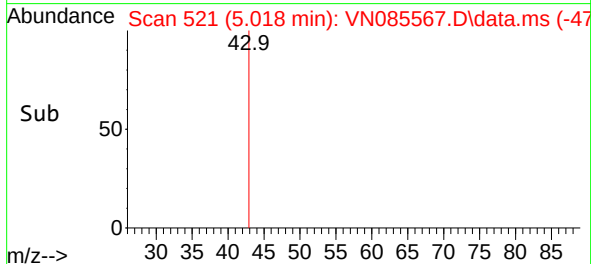


#18
Methyl Acetate
Concen: 0.445 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

Instrument :
MSVOA_N
ClientSampleId :

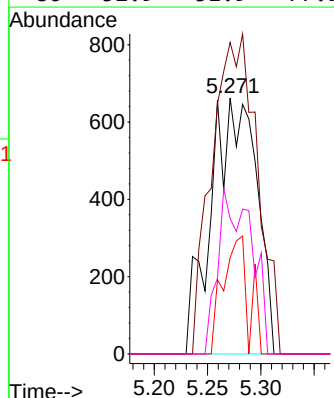
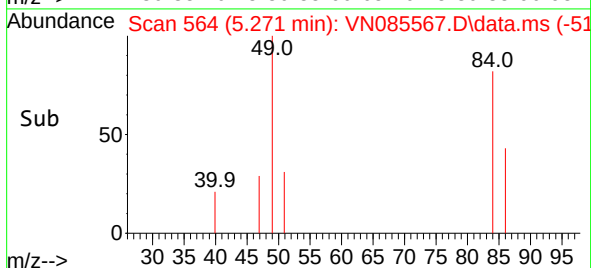
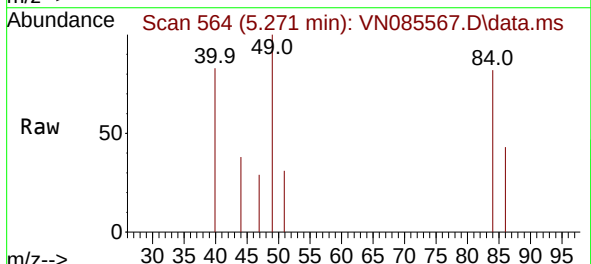


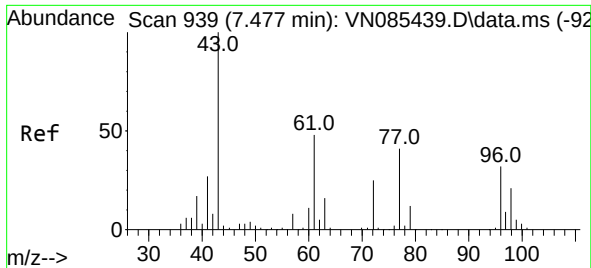
Tgt Ion: 43 Resp: 1144
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 0.949 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

Tgt Ion: 84 Resp: 1987
Ion Ratio Lower Upper
84 100
49 121.8 104.1 156.1
51 37.6 31.0 46.4
86 52.9 51.9 77.9

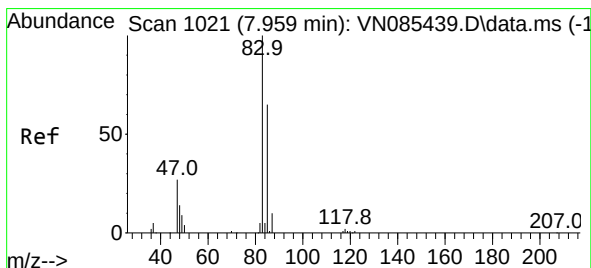
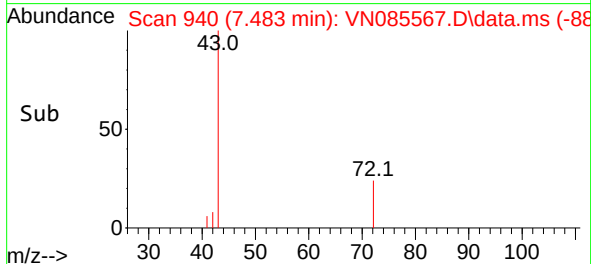
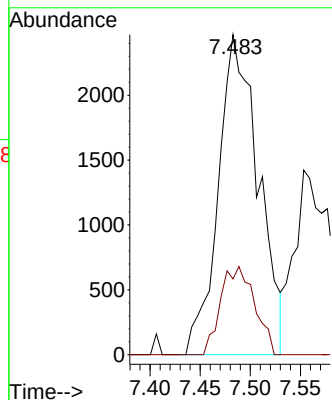
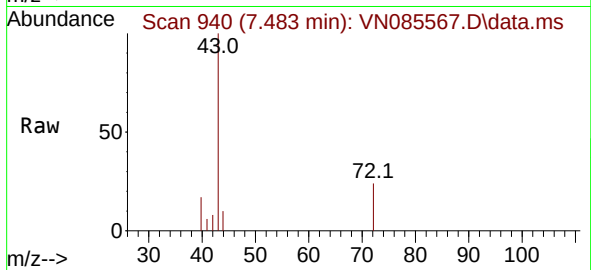




#25
2-Butanone
Concen: 5.516 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

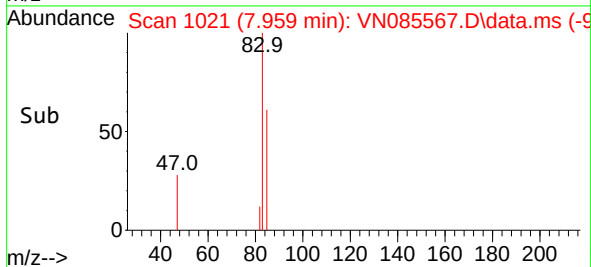
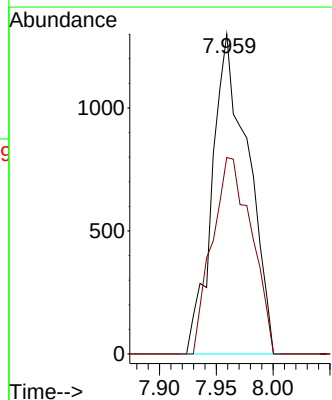
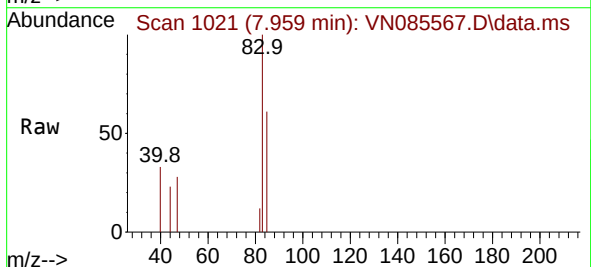
Instrument :
MSVOA_N
ClientSampleId :

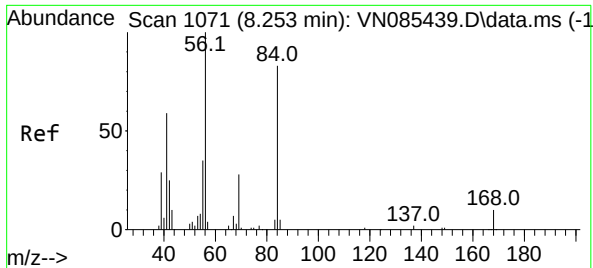
Tgt Ion: 43 Resp: 6862
Ion Ratio Lower Upper
43 100
72 23.6 20.2 30.4



#30
Chloroform
Concen: 0.723 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

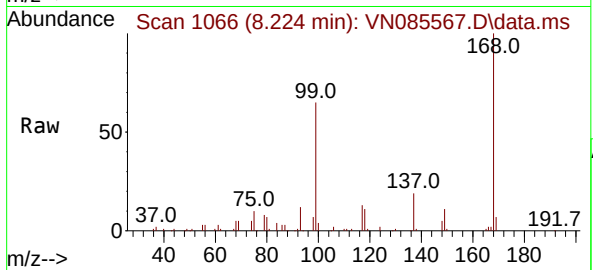
Tgt Ion: 83 Resp: 2856
Ion Ratio Lower Upper
83 100
85 61.4 51.8 77.6



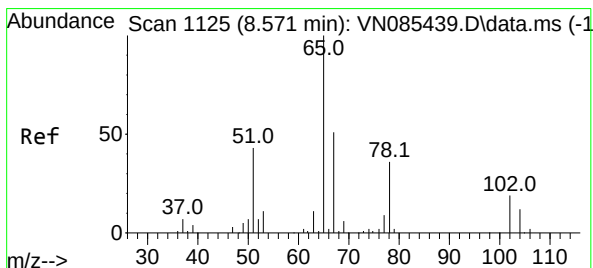
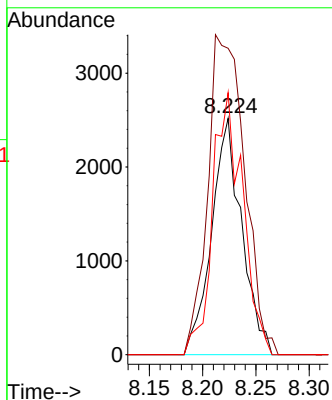
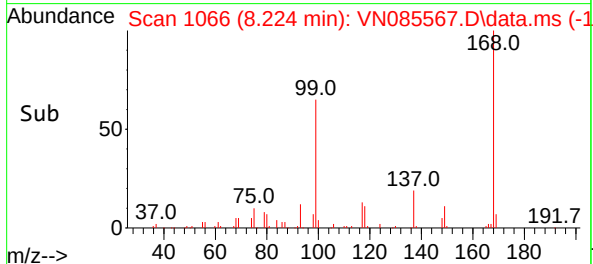


#31
Cyclohexane
Concen: 1.492 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

Instrument :
MSVOA_N
ClientSampleId :

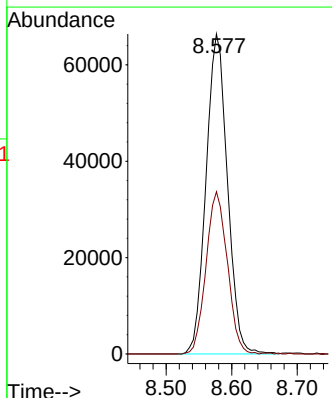
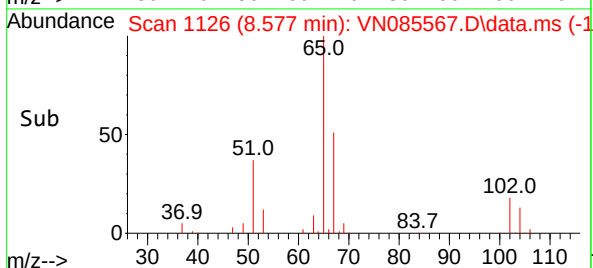
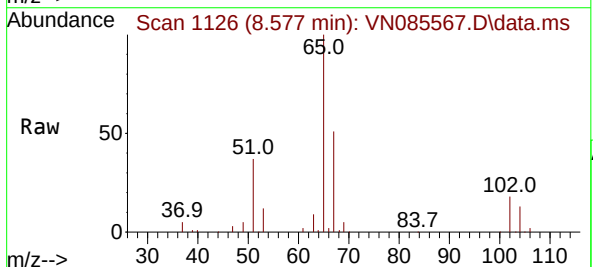


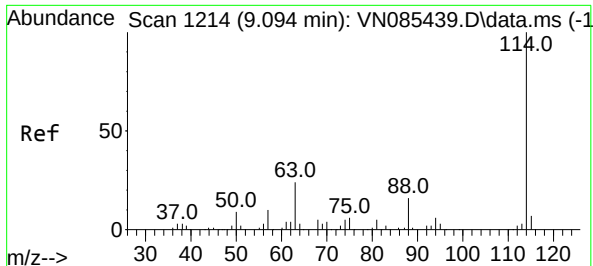
Tgt Ion: 56 Resp: 4953
Ion Ratio Lower Upper
56 100
69 129.6 22.2 33.4#
84 110.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 57.496 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

Tgt Ion: 65 Resp: 150433
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085567.D

Acq: 29 Jan 2025 19:06

Instrument :

MSVOA_N

ClientSampleId :

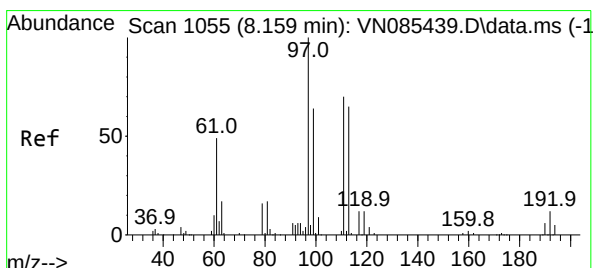
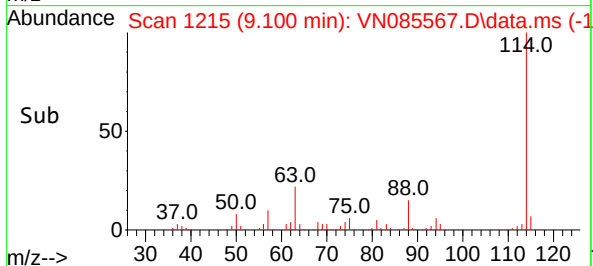
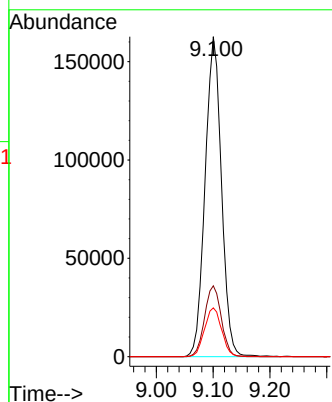
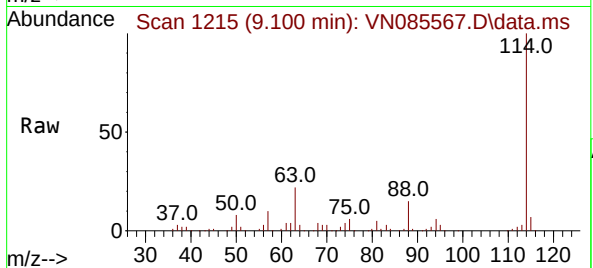
Tgt Ion:114 Resp: 324788

Ion Ratio Lower Upper

114 100

63 22.1 0.0 47.6

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.841 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085567.D

Acq: 29 Jan 2025 19:06

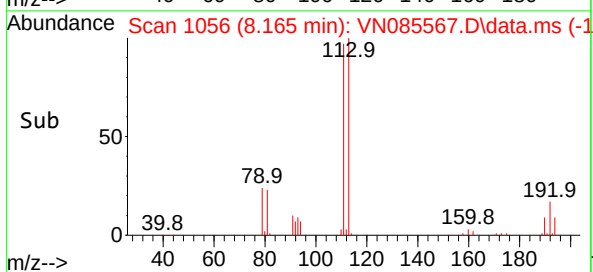
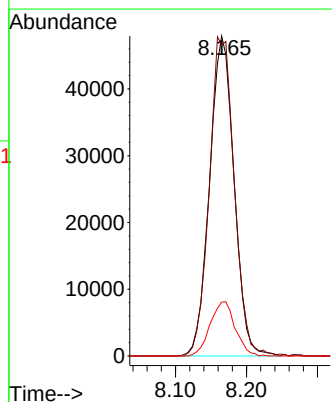
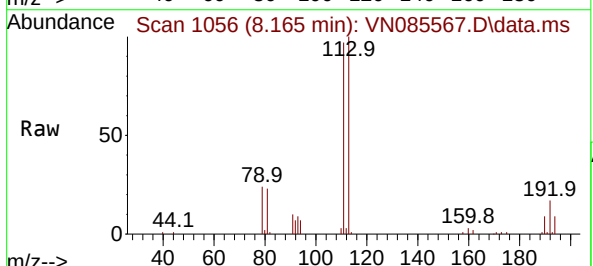
Tgt Ion:113 Resp: 114556

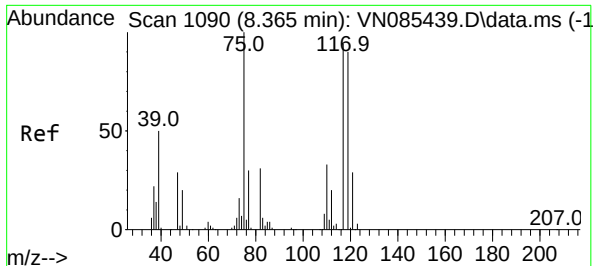
Ion Ratio Lower Upper

113 100

111 101.9 82.7 124.1

192 17.4 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.871 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN085567.D

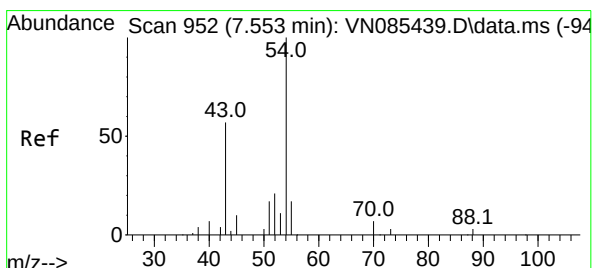
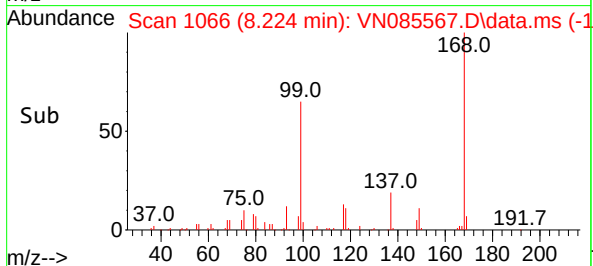
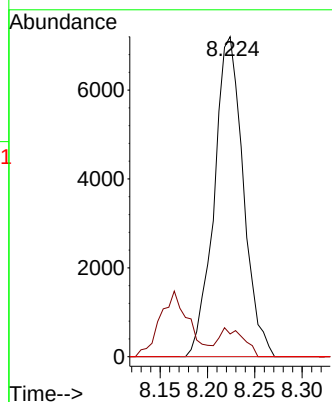
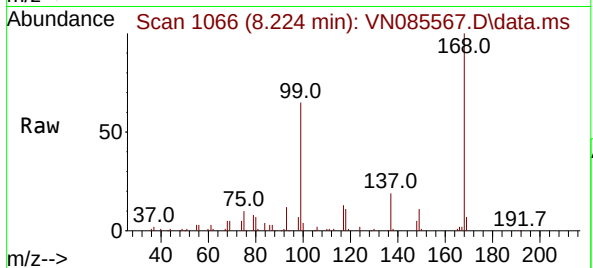
Acq: 29 Jan 2025 19:06

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	15404
Ion	Ratio	Lower	Upper
75	100		
110	7.4	16.5	49.5#
77	0.0	24.4	36.6#



#37

Ethyl Acetate

Concen: 1.096 ug/l

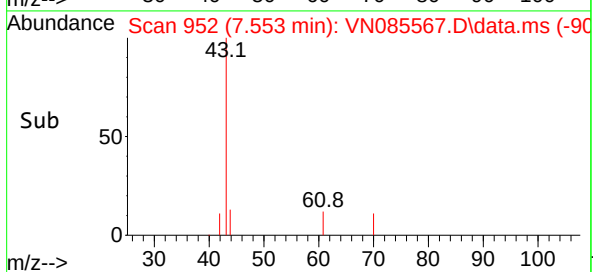
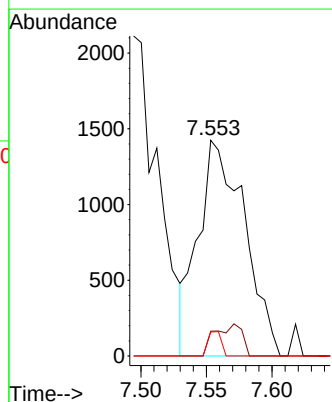
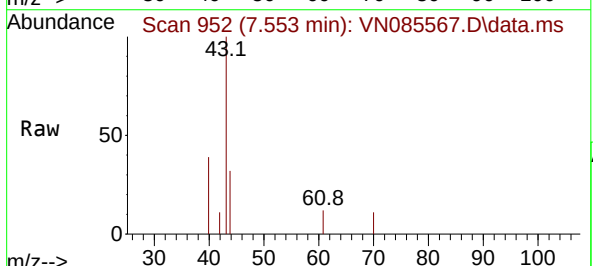
RT: 7.553 min Scan# 952

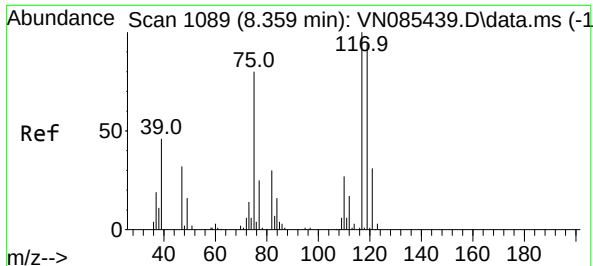
Delta R.T. 0.000 min

Lab File: VN085567.D

Acq: 29 Jan 2025 19:06

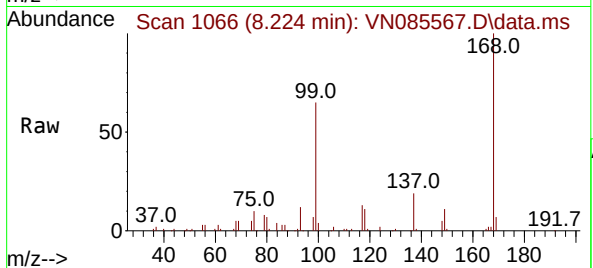
Tgt Ion:	43	Resp:	3499
Ion	Ratio	Lower	Upper
43	100		
61	8.8	10.9	16.3#
70	3.2	7.5	11.3#



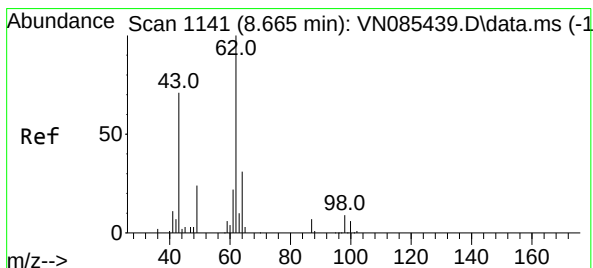
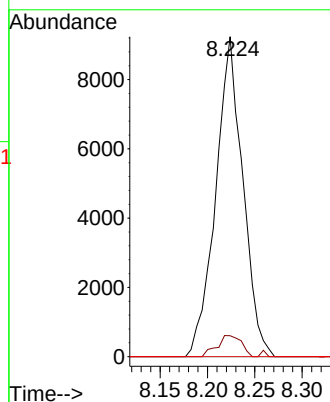
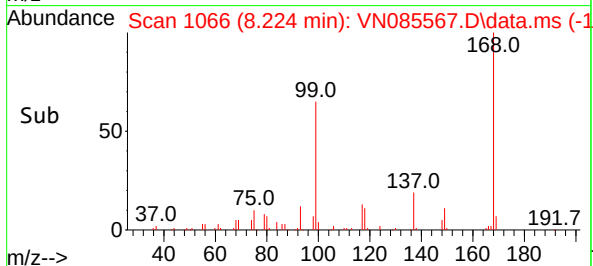


#38
Carbon Tetrachloride
Concen: 5.089 ug/l
RT: 8.224 min Scan# 1089
Delta R.T. -0.135 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

Instrument :
MSVOA_N
ClientSampleId :

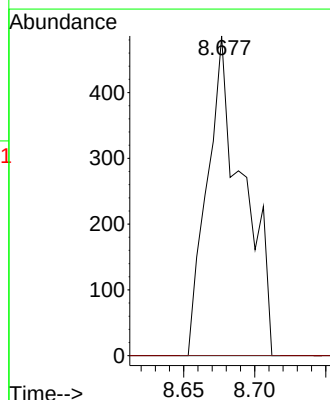
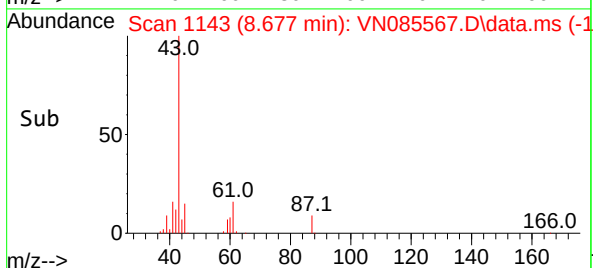
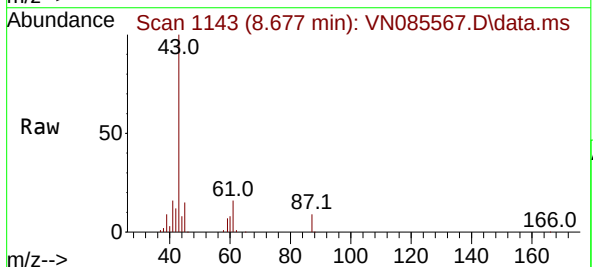


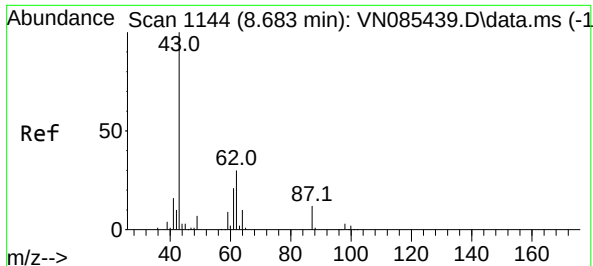
Tgt Ion:117 Resp: 18425
Ion Ratio Lower Upper
117 100
119 6.6 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.238 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.012 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

Tgt Ion: 62 Resp: 853
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

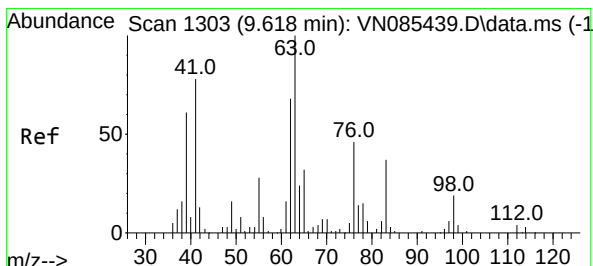
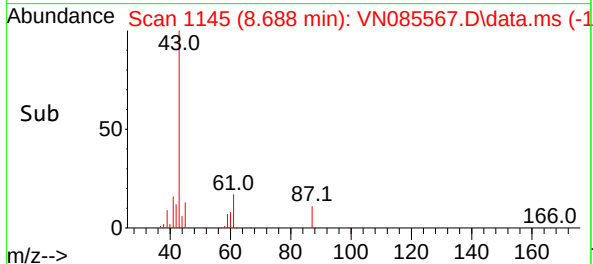
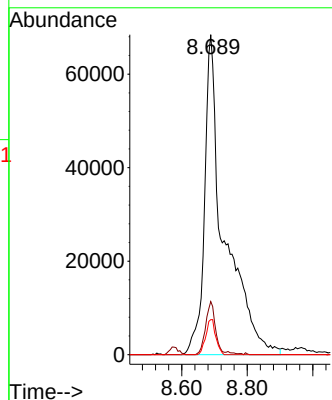
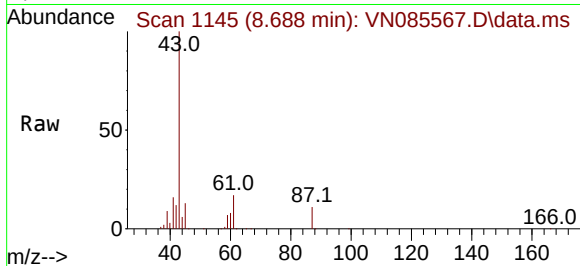




#43
Isopropyl Acetate
Concen: 56.030 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

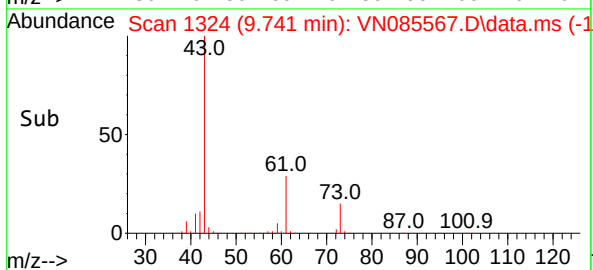
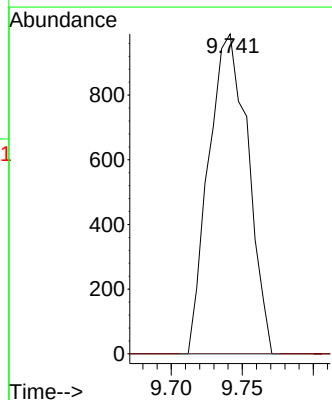
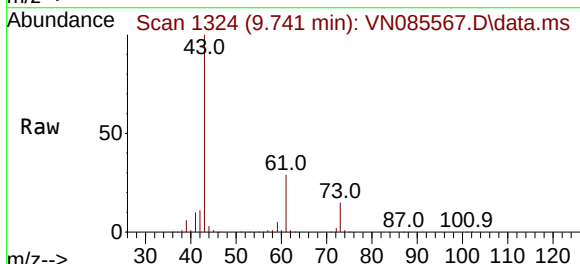
Instrument :
MSVOA_N
ClientSampleId :

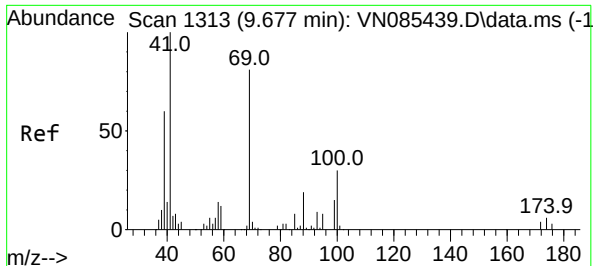
Tgt Ion: 43 Resp: 286573
Ion Ratio Lower Upper
43 100
61 8.6 20.7 31.1#
87 5.5 9.8 14.8#



#45
1,2-Dichloropropane
Concen: 0.785 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

Tgt Ion: 63 Resp: 1905
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

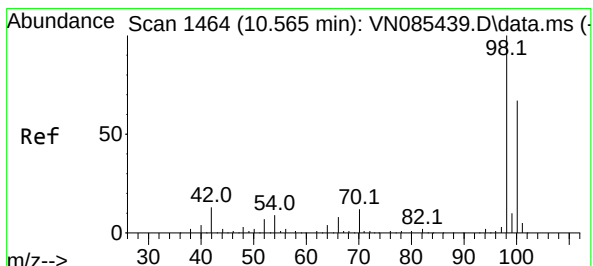
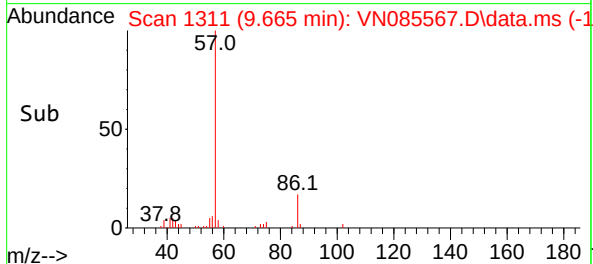
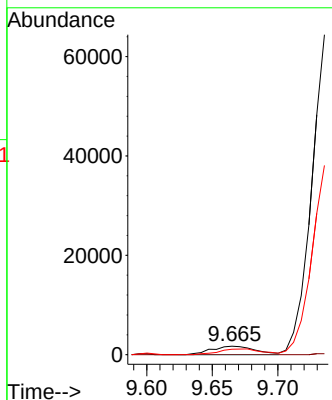
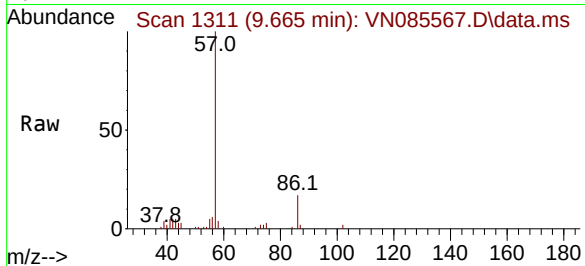




#48
Methyl methacrylate
Concen: 1.734 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

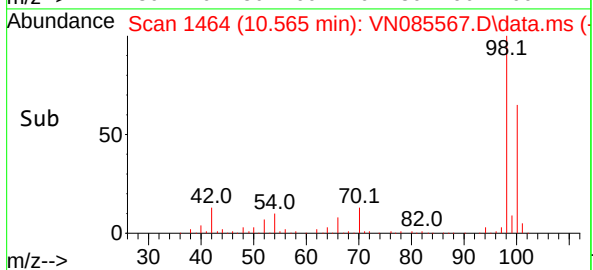
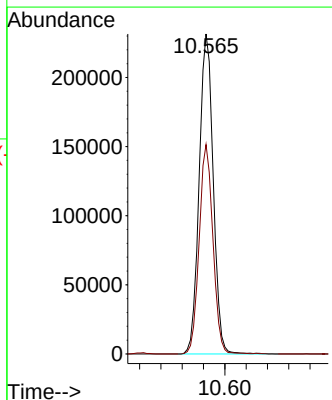
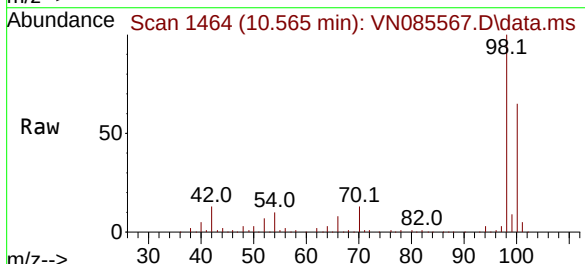
Instrument :
MSVOA_N
ClientSampleId :

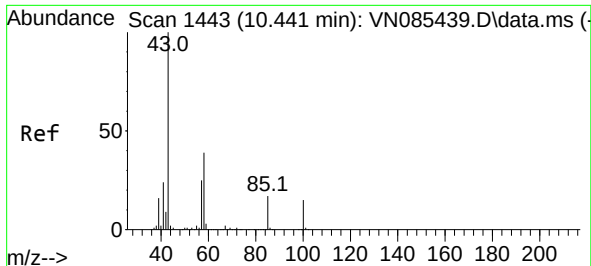
Tgt Ion: 41 Resp: 3990
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 64.8 49.0 73.6



#50
Toluene-d8
Concen: 52.923 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

Tgt Ion: 98 Resp: 423687
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4

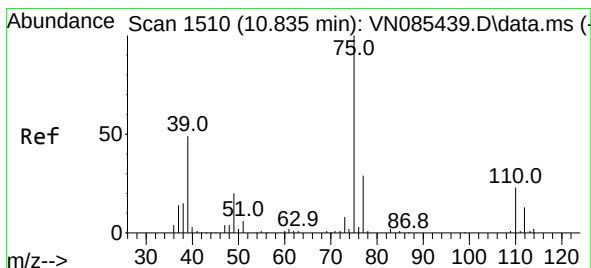
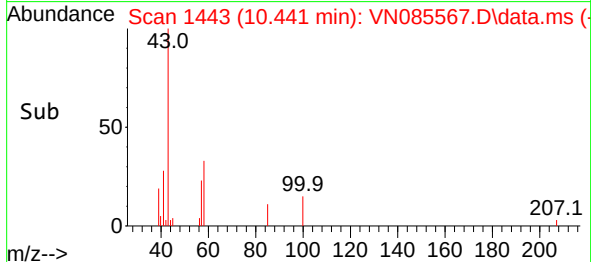
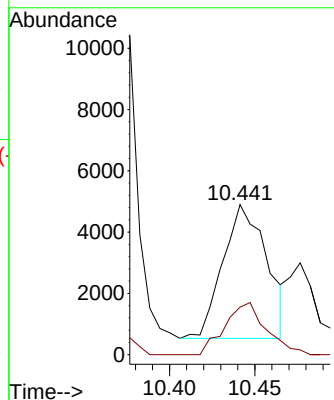
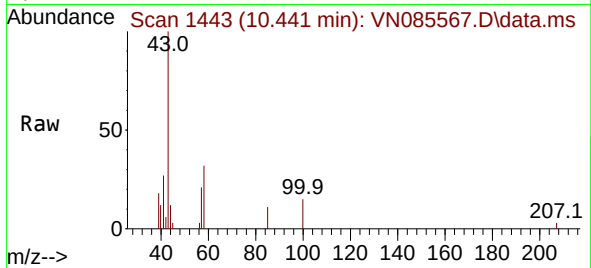




#51
4-Methyl-2-Pentanone
Concen: 2.635 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

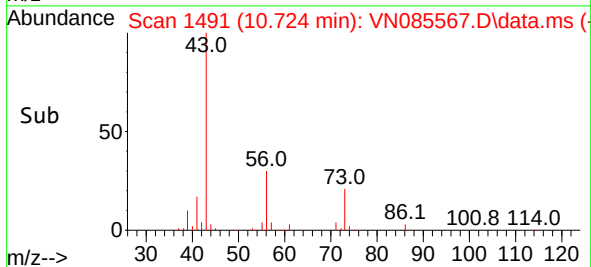
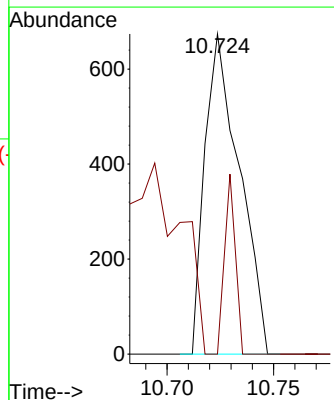
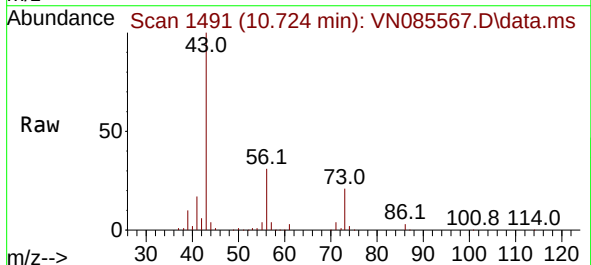
Instrument :
MSVOA_N
ClientSampleId :

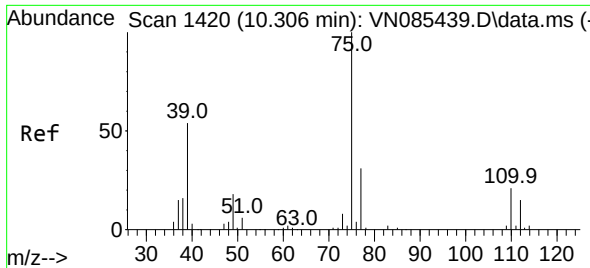
Tgt Ion: 43 Resp: 7822
Ion Ratio Lower Upper
43 100
58 36.7 30.5 45.7



#53
t-1,3-Dichloropropene
Concen: 0.226 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

Tgt Ion: 75 Resp: 763
Ion Ratio Lower Upper
75 100
77 0.0 23.5 35.3#

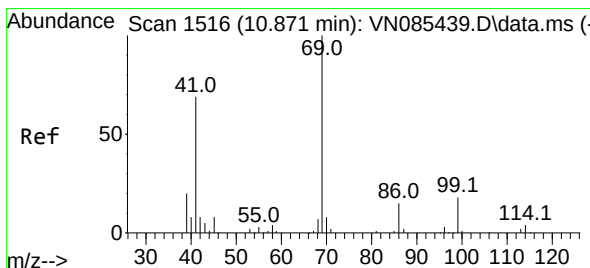
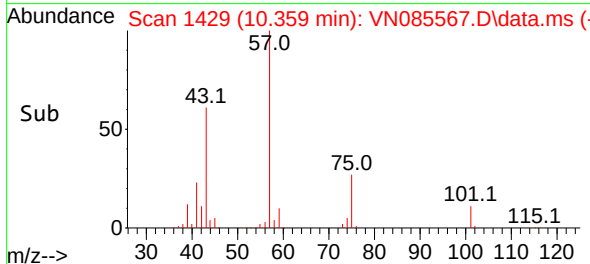
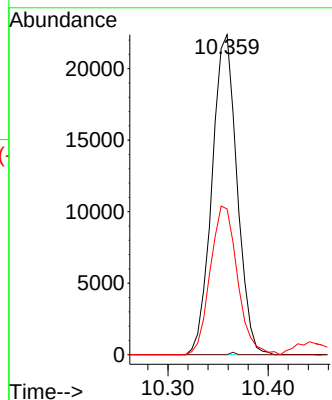
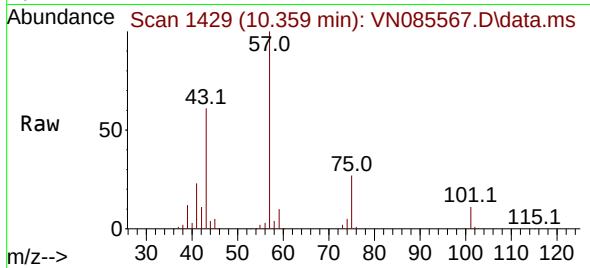




#54
 cis-1,3-Dichloropropene
 Concen: 10.798 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085567.D
 Acq: 29 Jan 2025 19:06

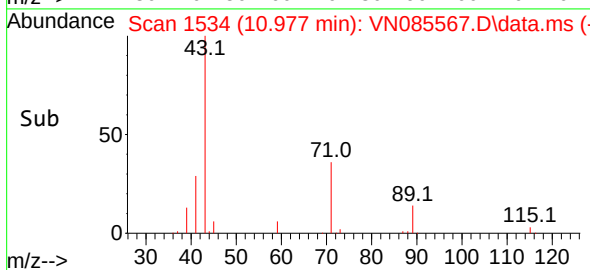
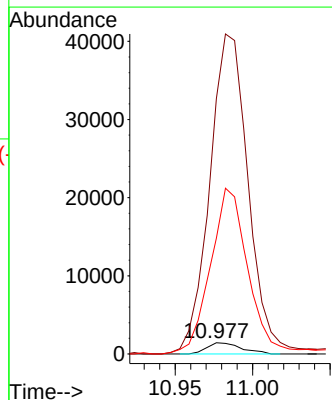
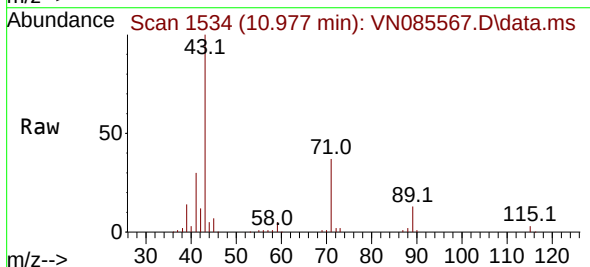
Instrument :
 MSVOA_N
 ClientSampleId :

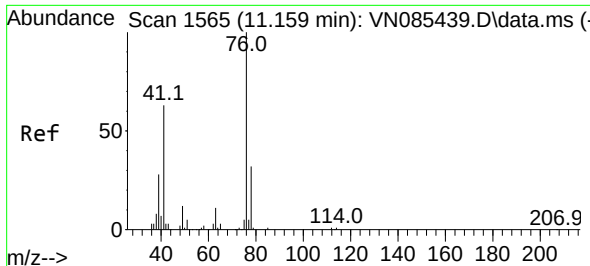
Tgt Ion: 75 Resp: 38890
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 45.5 43.1 64.7



#56
 Ethyl methacrylate
 Concen: 2.514 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.106 min
 Lab File: VN085567.D
 Acq: 29 Jan 2025 19:06

Tgt Ion: 69 Resp: 2224
 Ion Ratio Lower Upper
 69 100
 41 3197.2 54.6 82.0#
 39 1616.8 32.4 48.6#

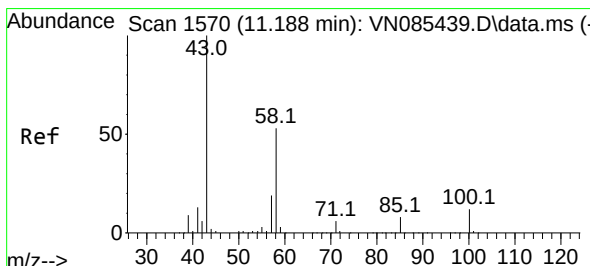
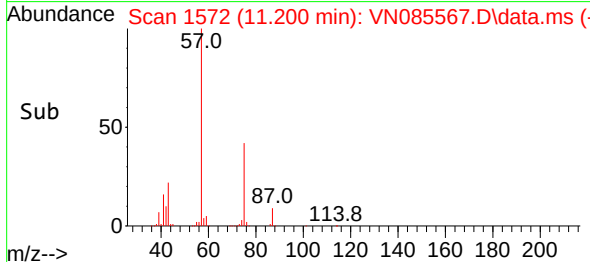
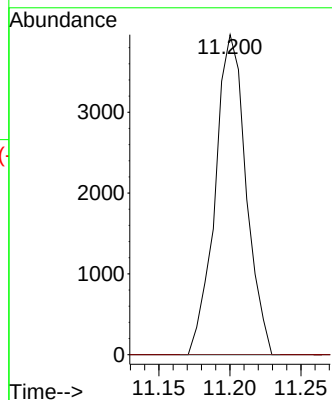
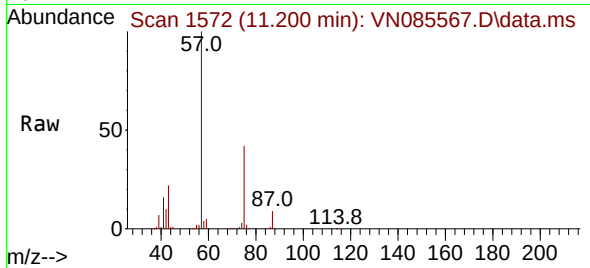




#57
1,3-Dichloropropane
Concen: 1.586 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

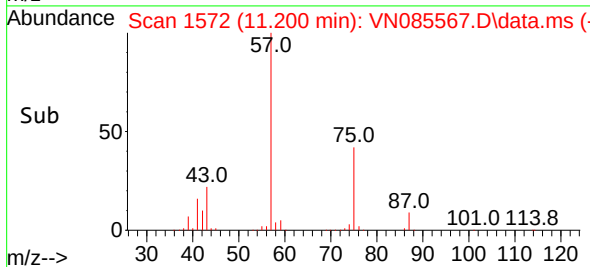
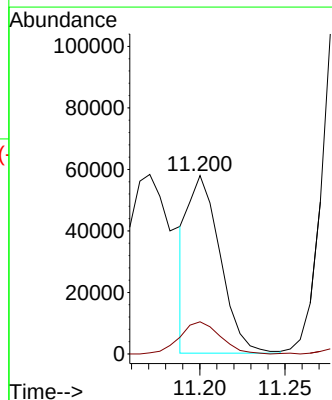
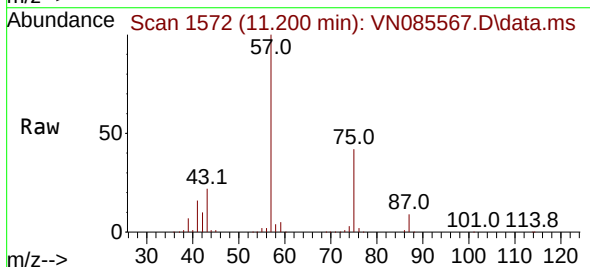
Instrument :
MSVOA_N
ClientSampleId :

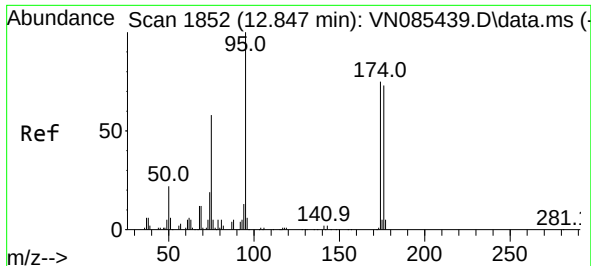
Tgt Ion: 76 Resp: 6008
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 36.302 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.012 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

Tgt Ion: 43 Resp: 75810
Ion Ratio Lower Upper
43 100
58 22.8 26.2 78.6#

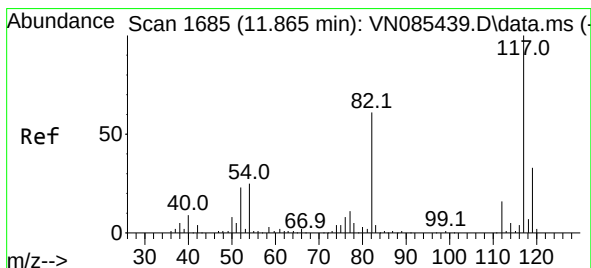
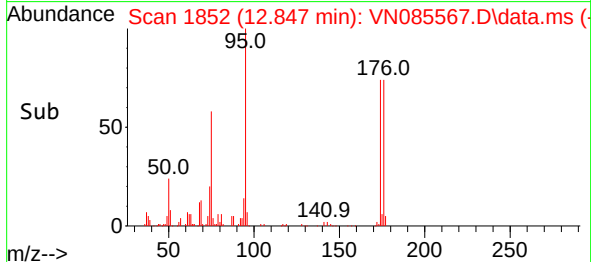
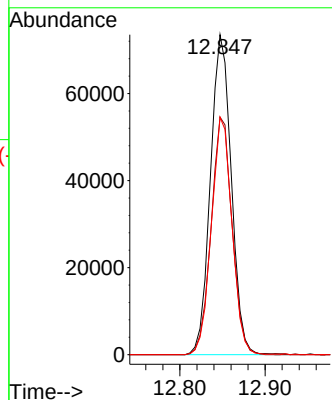
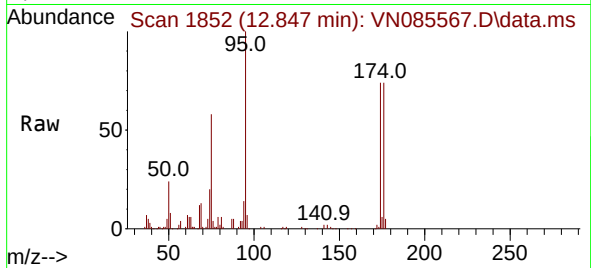




#62
4-Bromofluorobenzene
Concen: 45.553 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

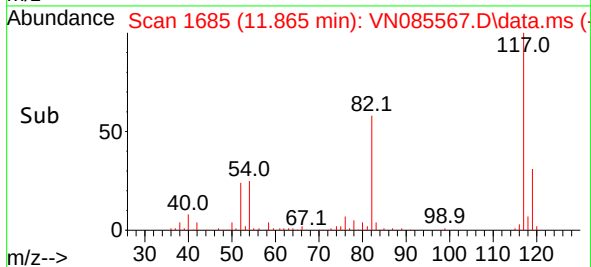
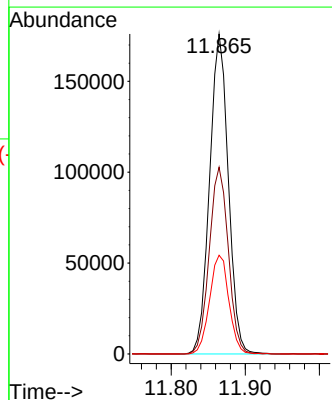
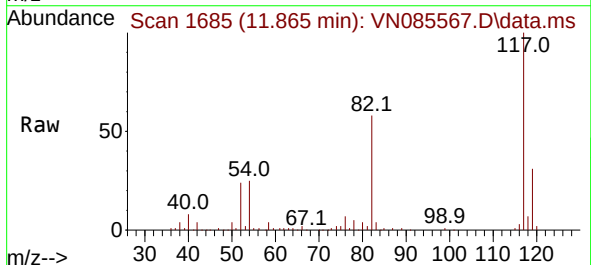
Instrument :
MSVOA_N
ClientSampleId :

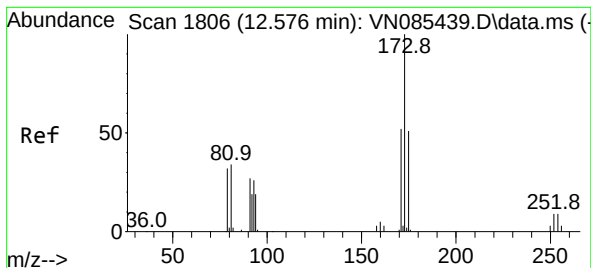
Tgt Ion: 95 Resp: 124749
Ion Ratio Lower Upper
95 100
174 74.8 0.0 145.0
176 73.2 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

Tgt Ion: 117 Resp: 308597
Ion Ratio Lower Upper
117 100
82 58.4 48.6 72.8
119 30.8 26.6 39.8





#71

Bromoform

Concen: 0.611 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN085567.D

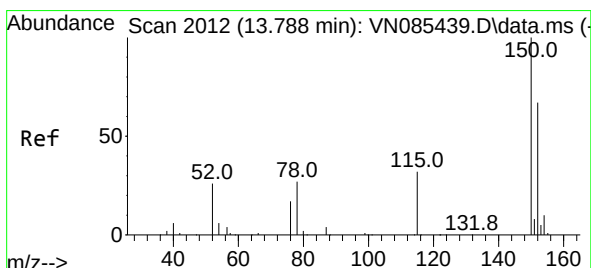
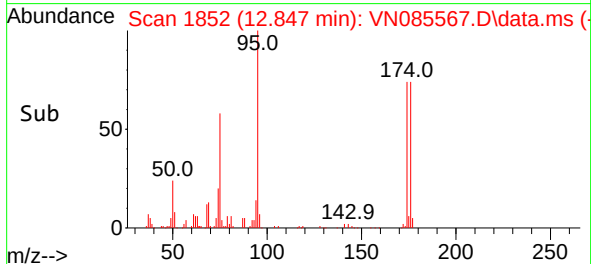
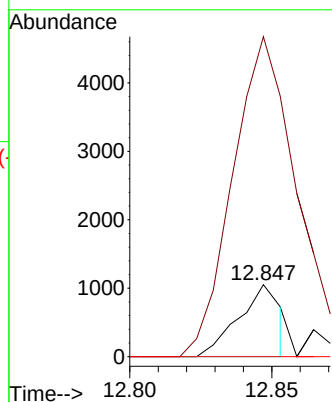
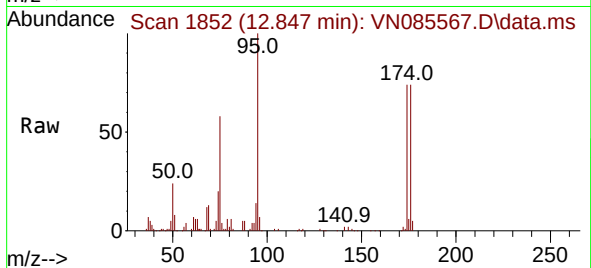
Acq: 29 Jan 2025 19:06

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 1084
 Ion Ratio Lower Upper
 173 100
 175 520.7 24.4 73.2#
 254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

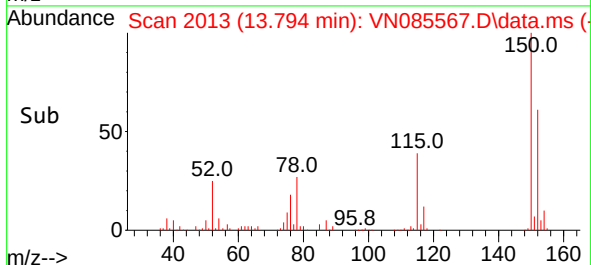
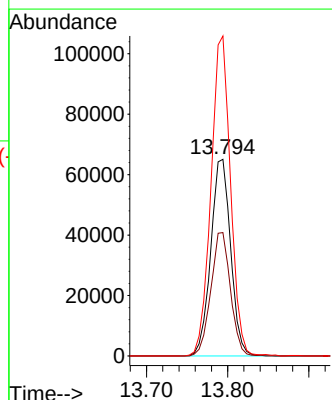
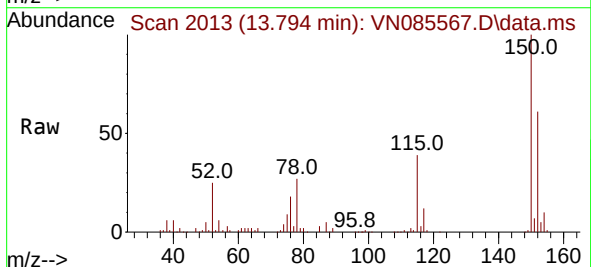
RT: 13.794 min Scan# 2013

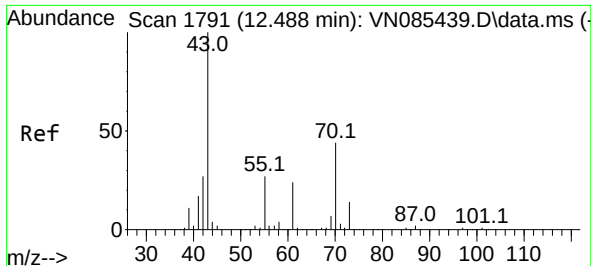
Delta R.T. 0.006 min

Lab File: VN085567.D

Acq: 29 Jan 2025 19:06

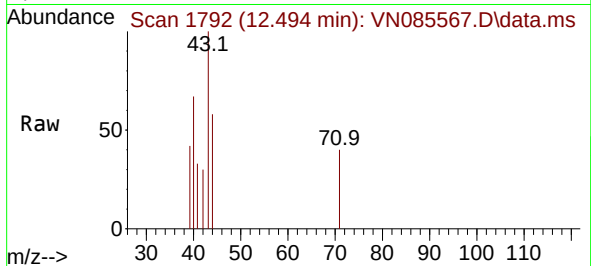
Tgt Ion:152 Resp: 110825
 Ion Ratio Lower Upper
 152 100
 115 61.7 31.1 93.3
 150 159.5 0.0 343.6



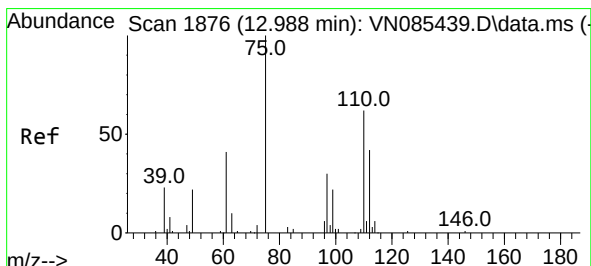
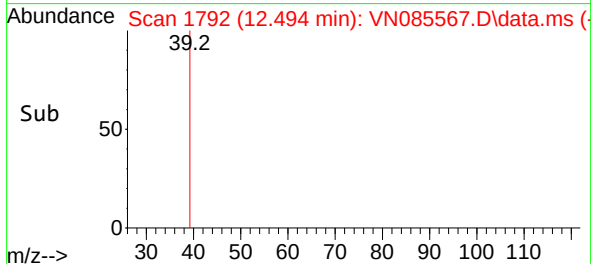
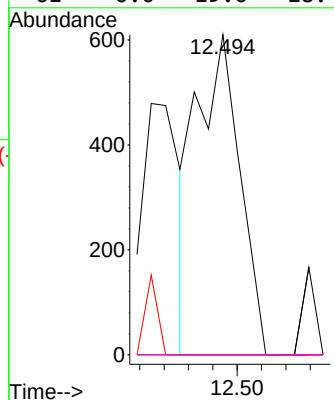


#74
N-amy1 acetate
Concen: 0.223 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

Instrument :
MSVOA_N
ClientSampleId :

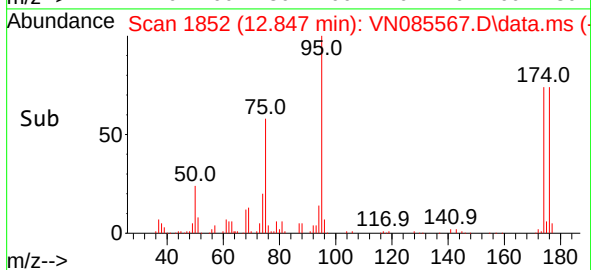
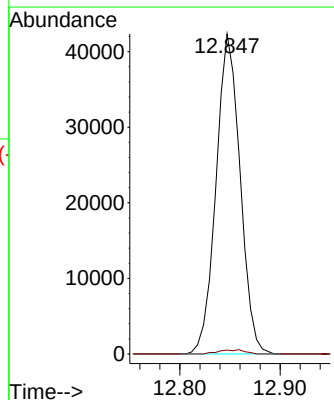
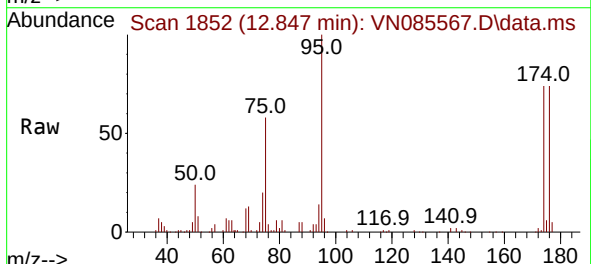


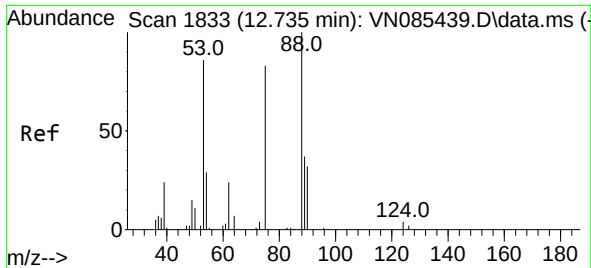
Tgt Ion: 43	Resp: 751
Ion Ratio	Lower Upper
43	100
70	0.0 34.0 51.0#
55	0.0 21.4 32.2#
61	0.0 19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 31.261 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085567.D
Acq: 29 Jan 2025 19:06

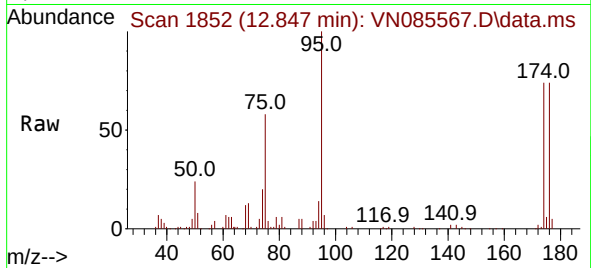
Tgt Ion: 75	Resp: 70417
Ion Ratio	Lower Upper
75	100
77	1.4 109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.579 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085567.D
 Acq: 29 Jan 2025 19:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 70417
 Ion Ratio Lower Upper
 75 100
 53 0.0 95.6 143.4#
 89 0.0 37.0 55.6#

