

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020525\
 Data File : VN085681.D
 Acq On : 05 Feb 2025 16:47
 Operator : JC\MD
 Sample : PB166529ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 06 00:43:38 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)

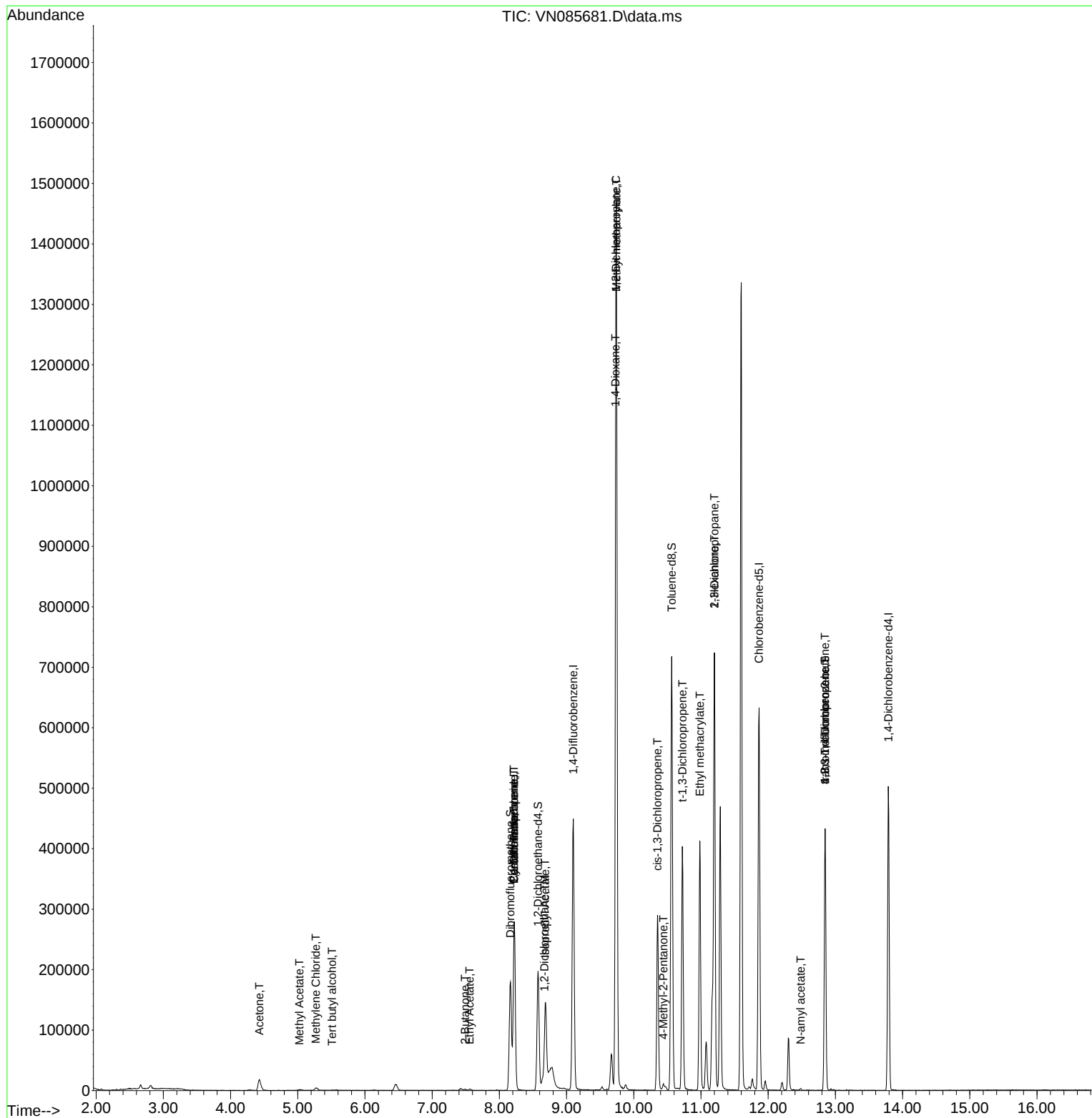
Internal Standards						
1) Pentafluorobenzene	8.218	168	193394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	386995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	359796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	156726	50.204	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.400%			
35) Dibromofluoromethane	8.165	113	129492	48.232	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.460%			
50) Toluene-d8	10.565	98	496071	52.004	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.000%			
62) 4-Bromofluorobenzene	12.847	95	144489	44.280	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.560%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.512	59	120	0.336	ug/l #	71
16) Acetone	4.430	43	34333	34.038	ug/l	94
18) Methyl Acetate	5.024	43	1242	0.405	ug/l	99
20) Methylene Chloride	5.271	84	1837	0.736	ug/l #	78
25) 2-Butanone	7.488	43	3266	2.200	ug/l #	75
31) Cyclohexane	8.218	56	4273	1.079	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	16494	4.377	ug/l #	49
37) Ethyl Acetate	7.559	43	3889	1.023	ug/l #	86
38) Carbon Tetrachloride	8.218	117	20658	4.789	ug/l #	19
42) 1,2-Dichloroethane	8.671	62	1107	0.260	ug/l #	76
43) Isopropyl Acetate	8.682	43	179634	29.476	ug/l #	86
45) 1,2-Dichloropropane	9.735	63	1827	0.632	ug/l #	43
48) Methyl methacrylate	9.741	41	134076	48.887	ug/l #	45
49) 1,4-Dioxane	9.729	88	108	2.338	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	10575	2.990	ug/l #	81
53) t-1,3-Dichloropropene	10.723	75	987	0.246	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	52110	12.143	ug/l #	65
56) Ethyl methacrylate	10.982	69	2185	2.411	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8023	1.777	ug/l #	43
59) 2-Hexanone	11.200	43	78740	31.644	ug/l #	62
74) N-amyl acetate	12.482	43	1428	0.359	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	78120	29.324	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78120	79.339	ug/l #	3

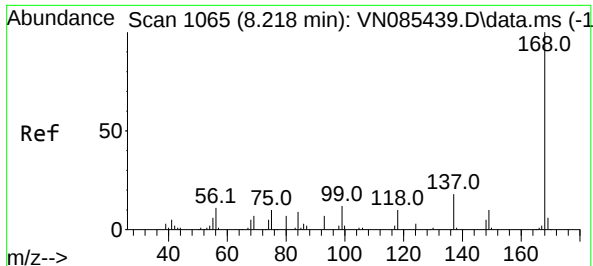
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020525\
Data File : VN085681.D
Acq On : 05 Feb 2025 16:47
Operator : JC\MD
Sample : PB166529ZHE#06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

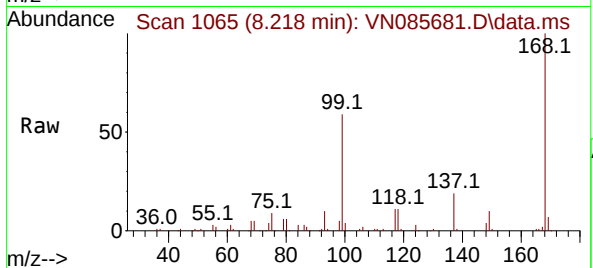
Quant Time: Feb 06 00:43:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



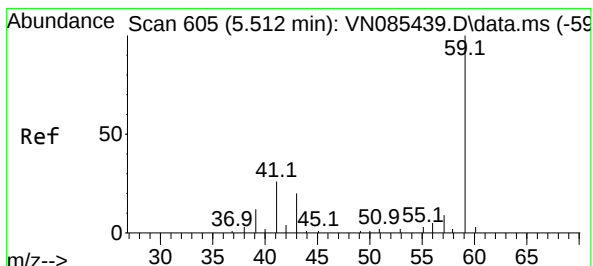
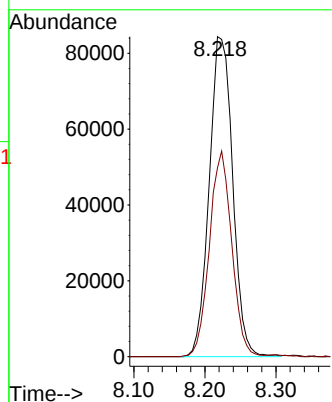
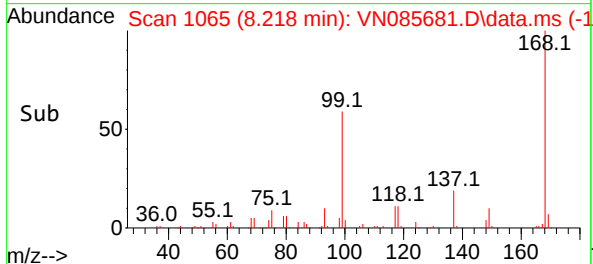


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

Instrument :
MSVOA_N
ClientSampleId :

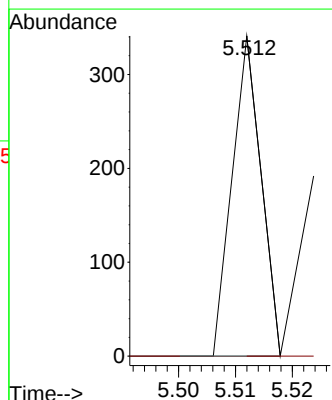
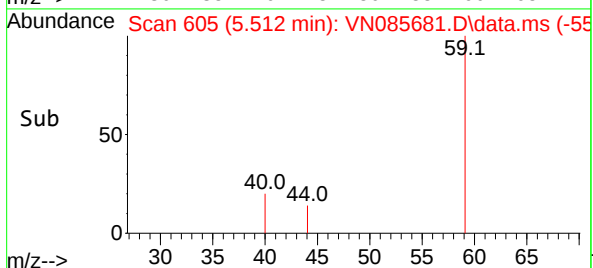
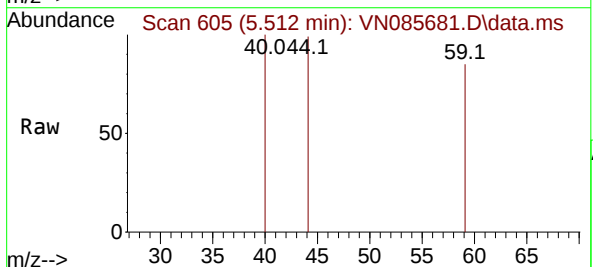


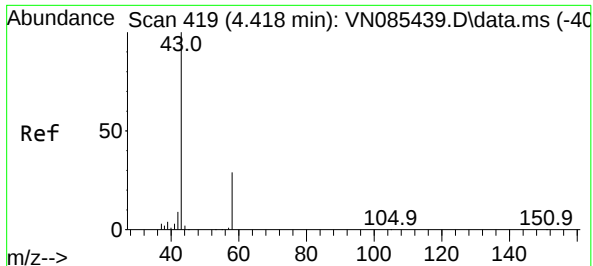
Tgt Ion:168 Resp: 193394
Ion Ratio Lower Upper
168 100
99 59.0 53.6 80.4



#11
Tert butyl alcohol
Concen: 0.336 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

Tgt Ion: 59 Resp: 120
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

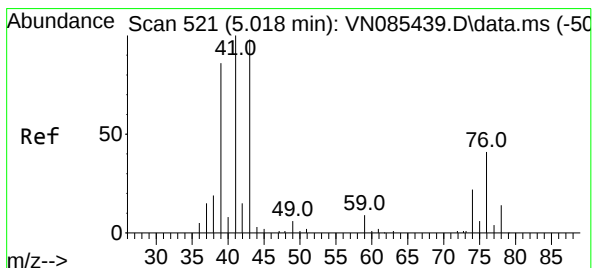
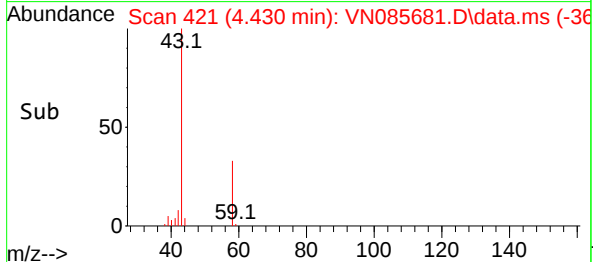
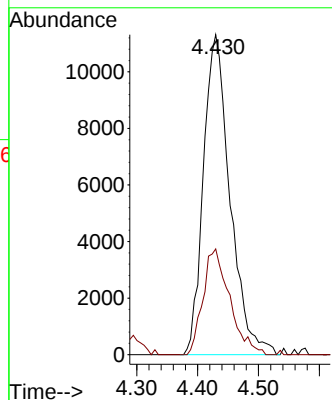
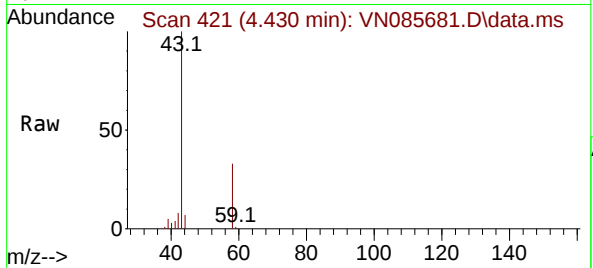




#16
Acetone
Concen: 34.038 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

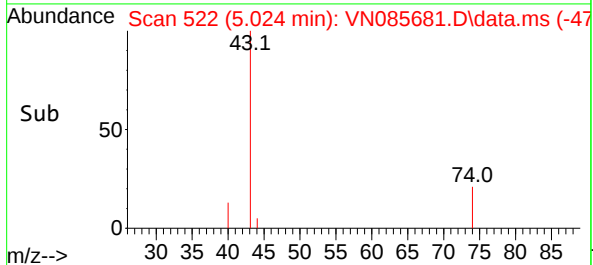
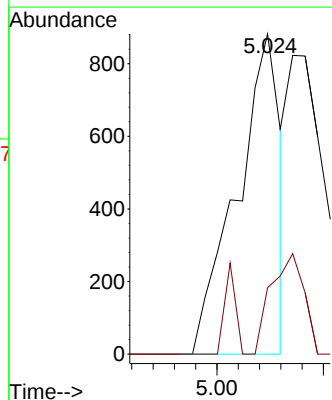
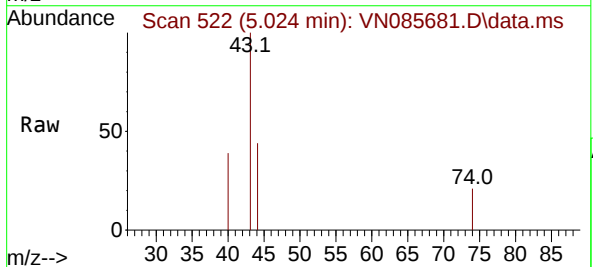
Instrument :
MSVOA_N
ClientSampleId :

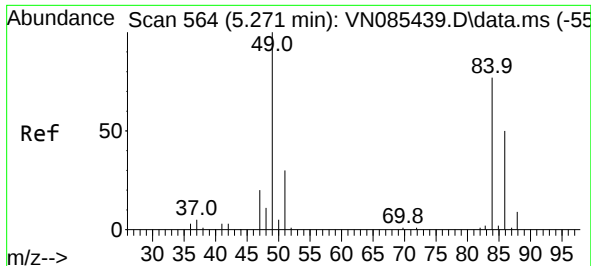
Tgt Ion: 43 Resp: 34333
Ion Ratio Lower Upper
43 100
58 33.0 23.8 35.6



#18
Methyl Acetate
Concen: 0.405 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

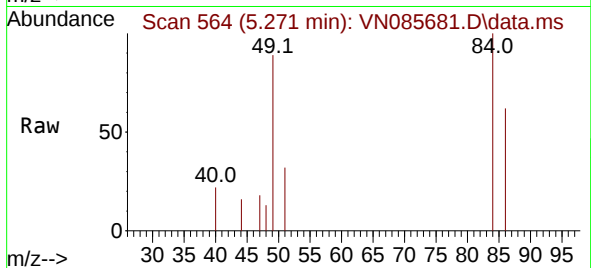
Tgt Ion: 43 Resp: 1242
Ion Ratio Lower Upper
43 100
74 24.0 18.6 28.0





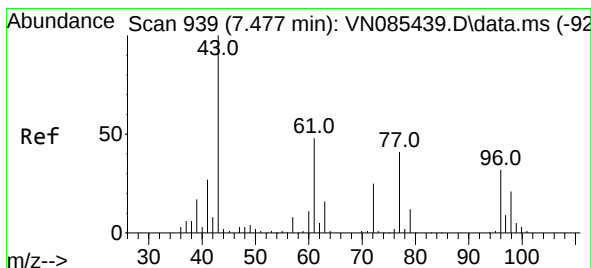
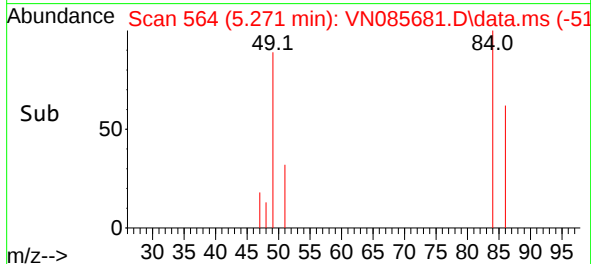
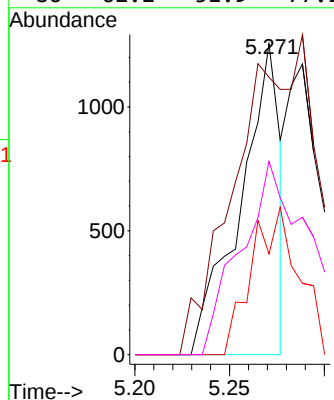
#20
Methylene Chloride
Concen: 0.736 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1837

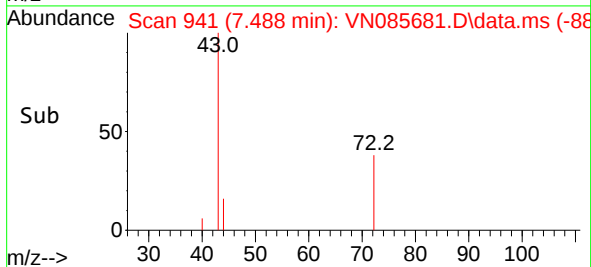
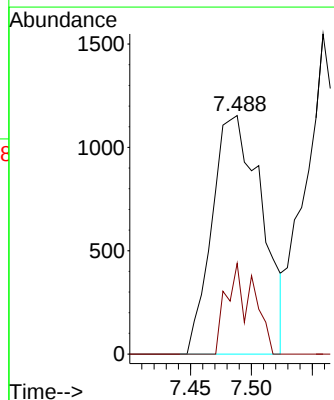
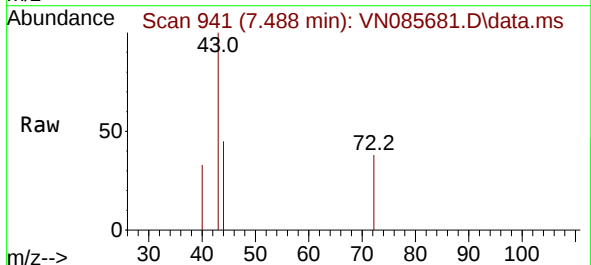
Ion	Ratio	Lower	Upper
84	100		
49	89.2	104.1	156.1#
51	32.4	31.0	46.4
86	62.2	51.9	77.9

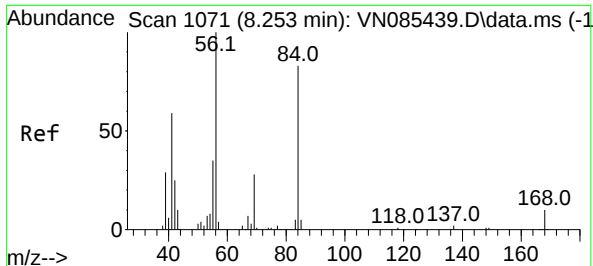


#25
2-Butanone
Concen: 2.200 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

Tgt Ion: 43 Resp: 3266

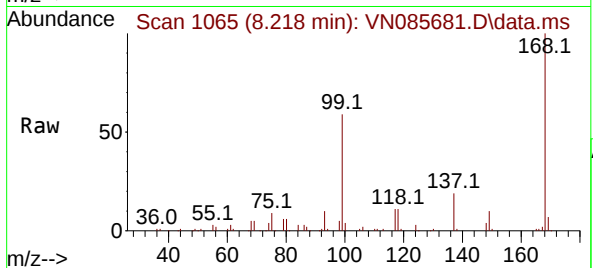
Ion	Ratio	Lower	Upper
43	100		
72	38.0	20.2	30.4#





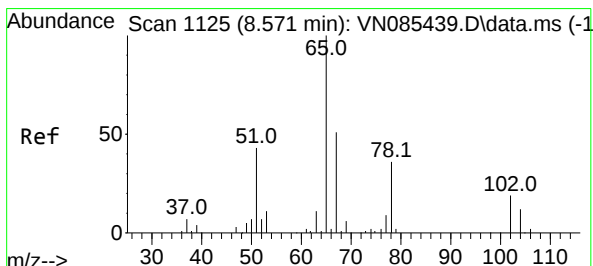
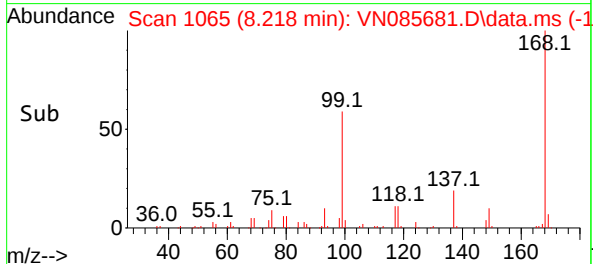
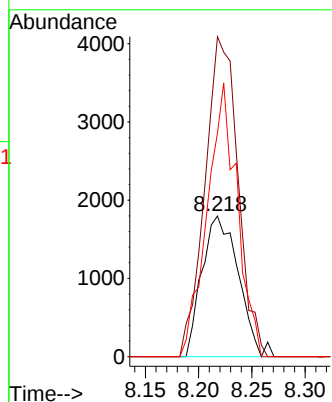
#31
Cyclohexane
Concen: 1.079 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 56 Resp: 4273

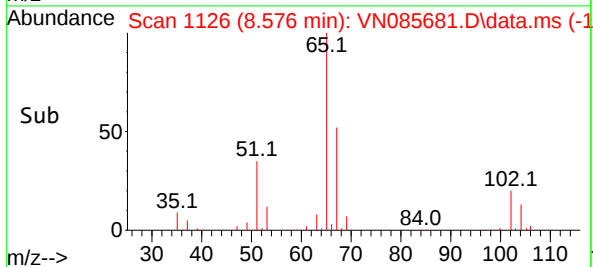
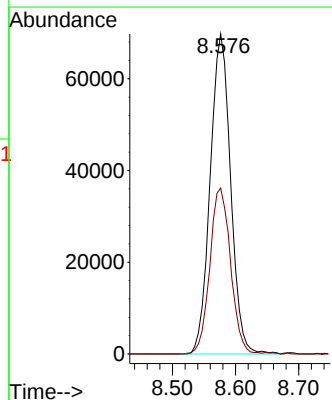
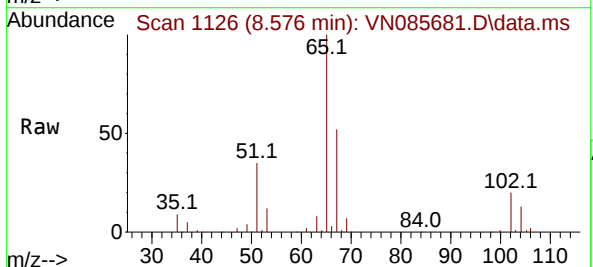
Ion	Ratio	Lower	Upper
56	100		
69	227.6	22.2	33.4#
84	159.0	66.4	99.6#

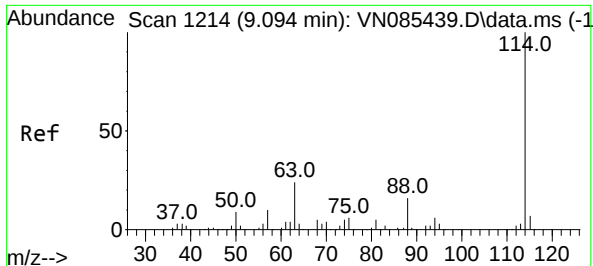


#33
1,2-Dichloroethane-d4
Concen: 50.204 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

Tgt Ion: 65 Resp: 156726

Ion	Ratio	Lower	Upper
65	100		
67	52.5	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: VN085681.D

Acq: 05 Feb 2025 16:47

Instrument :

MSVOA_N

ClientSampleId :

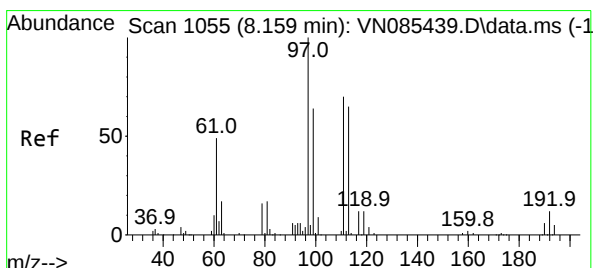
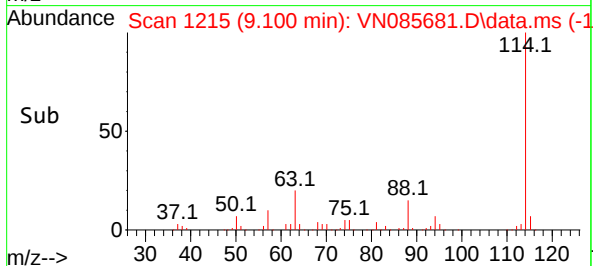
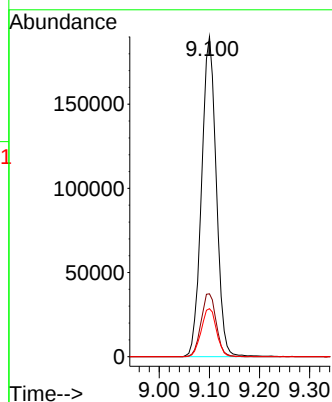
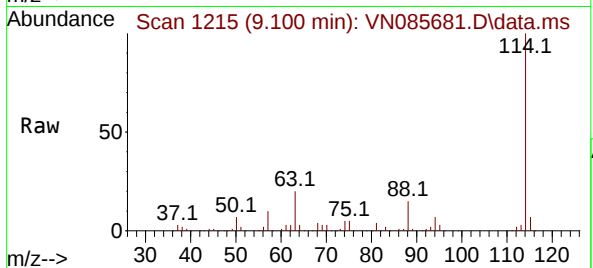
Tgt Ion:114 Resp: 386995

Ion Ratio Lower Upper

114 100

63 19.6 0.0 47.6

88 15.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.232 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085681.D

Acq: 05 Feb 2025 16:47

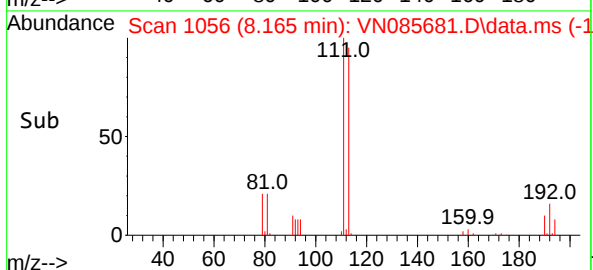
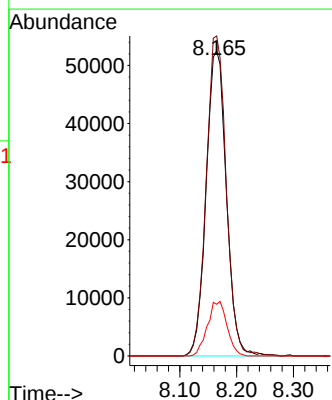
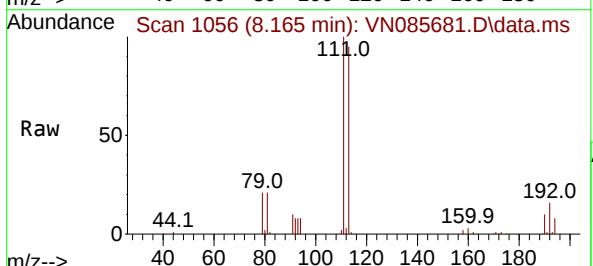
Tgt Ion:113 Resp: 129492

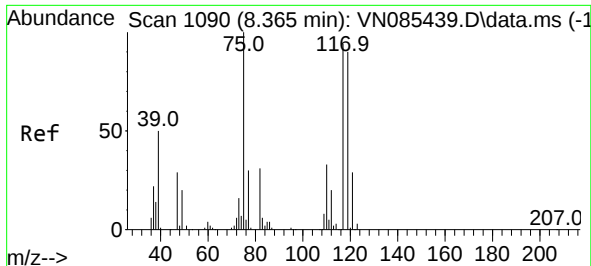
Ion Ratio Lower Upper

113 100

111 103.7 82.7 124.1

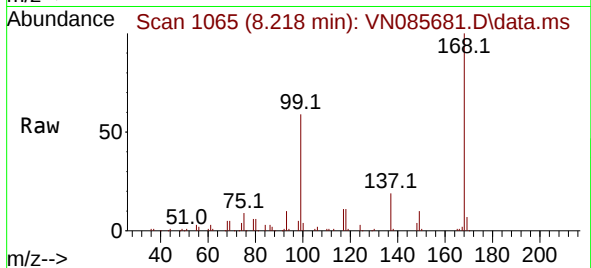
192 17.4 14.3 21.5



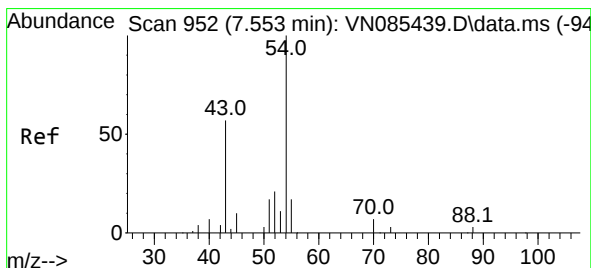
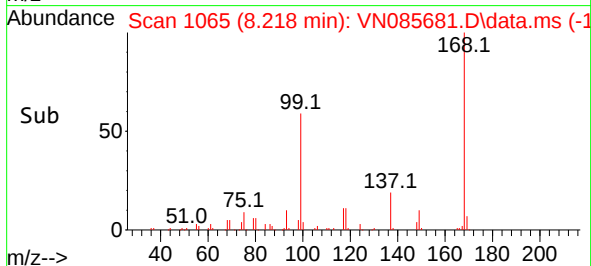
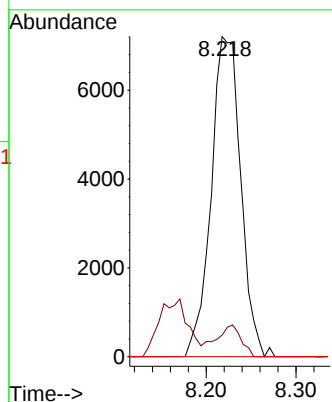


#36
 1,1-Dichloropropene
 Concen: 4.377 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.147 min
 Lab File: VN085681.D
 Acq: 05 Feb 2025 16:47

Instrument :
 MSVOA_N
 ClientSampleId :

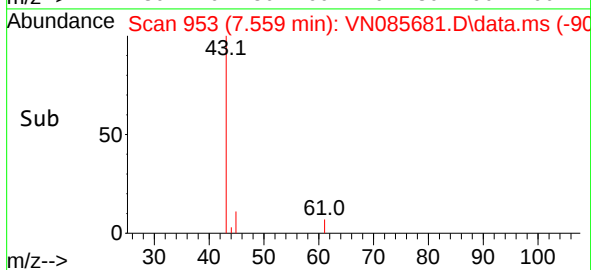
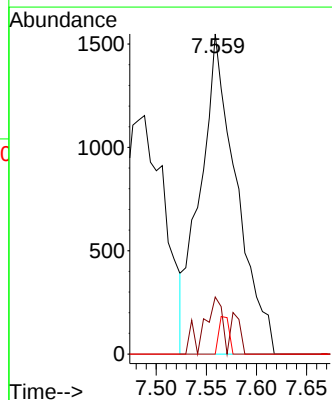
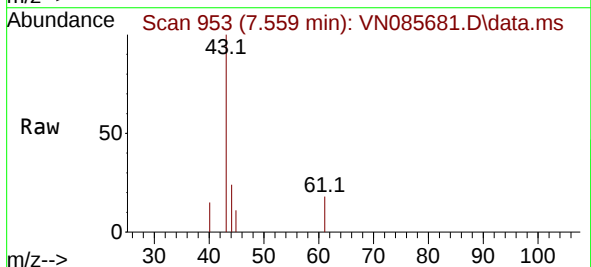


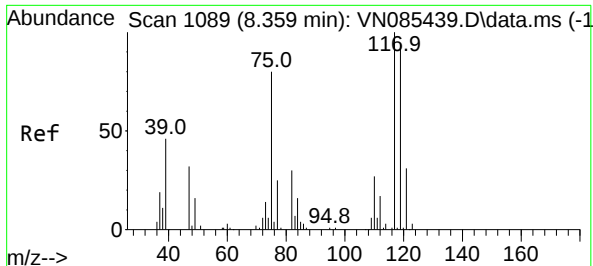
Tgt Ion: 75 Resp: 16494
 Ion Ratio Lower Upper
 75 100
 110 7.0 16.5 49.5#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 1.023 ug/l
 RT: 7.559 min Scan# 953
 Delta R.T. 0.006 min
 Lab File: VN085681.D
 Acq: 05 Feb 2025 16:47

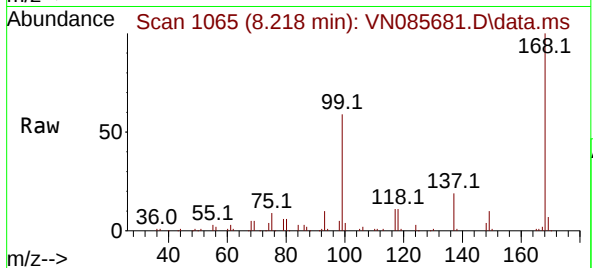
Tgt Ion: 43 Resp: 3889
 Ion Ratio Lower Upper
 43 100
 61 9.0 10.9 16.3#
 70 3.2 7.5 11.3#



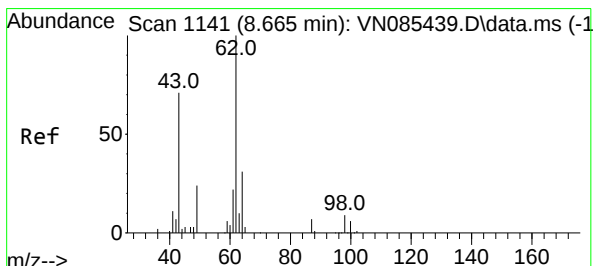
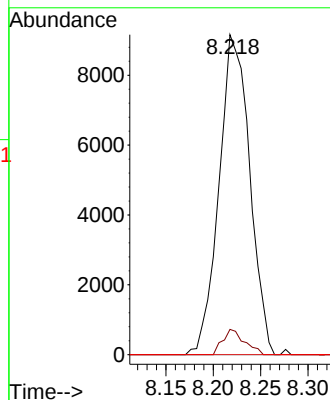
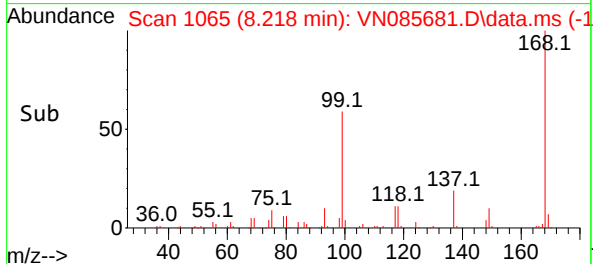


#38
Carbon Tetrachloride
Concen: 4.789 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

Instrument :
MSVOA_N
ClientSampleId :

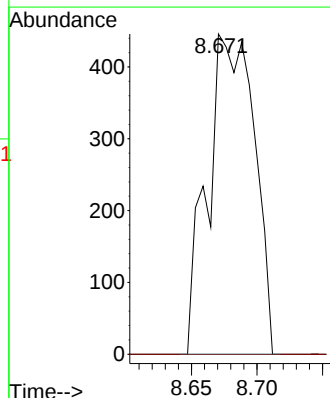
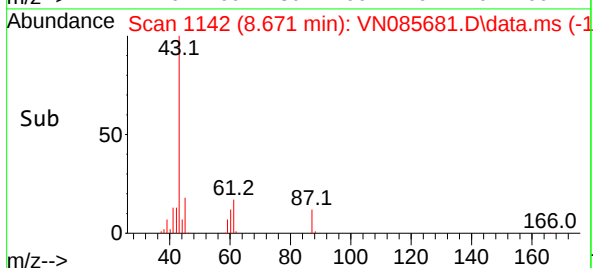
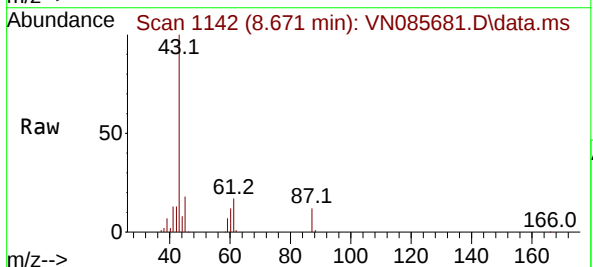


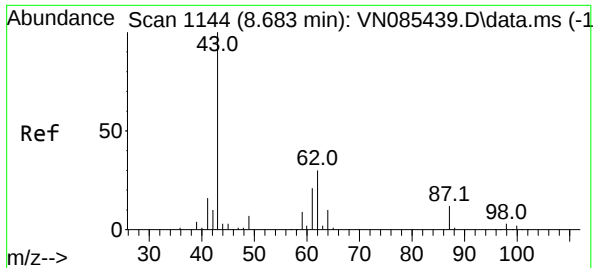
Tgt Ion:117 Resp: 20658
Ion Ratio Lower Upper
117 100
119 7.9 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.260 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

Tgt Ion: 62 Resp: 1107
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

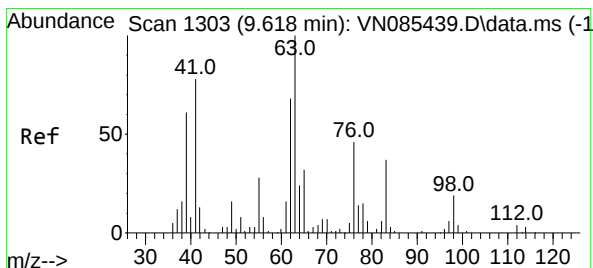
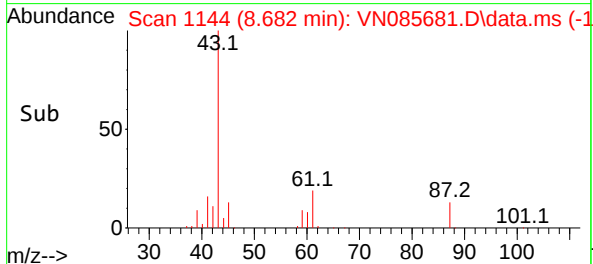
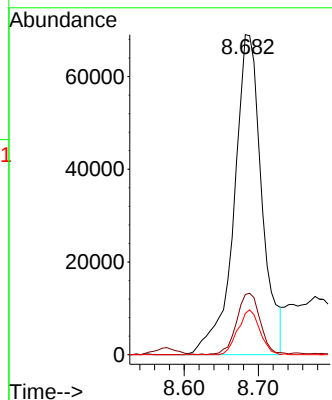
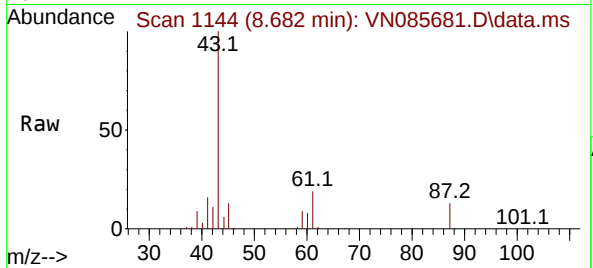




#43
Isopropyl Acetate
Concen: 29.476 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

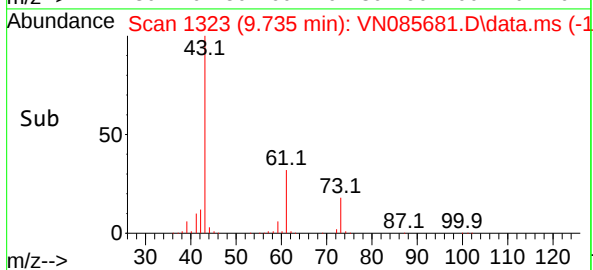
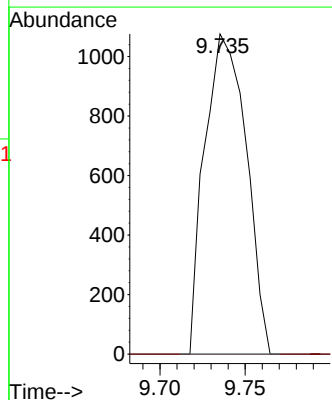
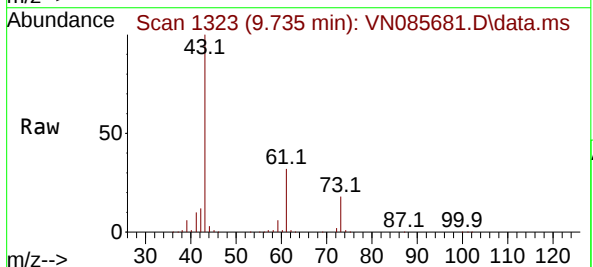
Instrument :
MSVOA_N
ClientSampleId :

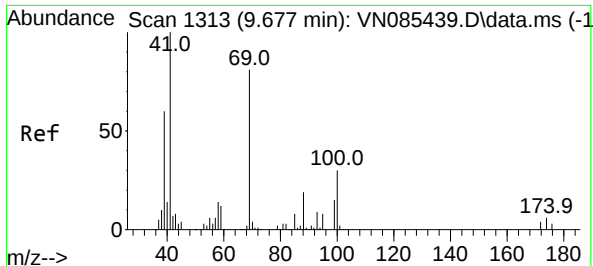
Tgt Ion: 43 Resp: 179634
Ion Ratio Lower Upper
43 100
61 16.4 20.7 31.1#
87 11.0 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.632 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.117 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

Tgt Ion: 63 Resp: 1827
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 48.887 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.064 min

Lab File: VN085681.D

Acq: 05 Feb 2025 16:47

Instrument :

MSVOA_N

ClientSampleId :

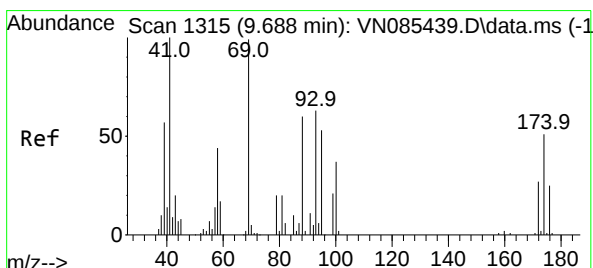
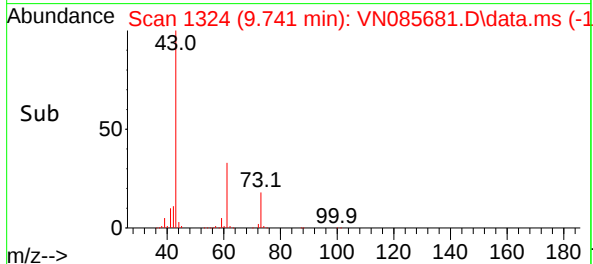
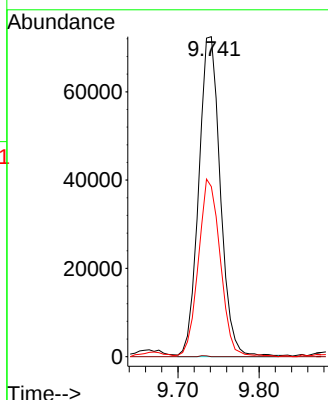
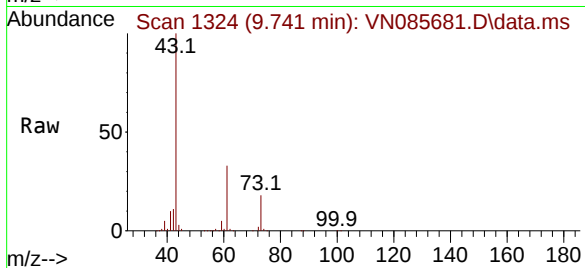
Tgt Ion: 41 Resp: 134076

Ion Ratio Lower Upper

41 100

69 0.1 64.7 97.1#

39 56.4 49.0 73.6



#49

1,4-Dioxane

Concen: 2.338 ug/l

RT: 9.729 min Scan# 1322

Delta R.T. 0.041 min

Lab File: VN085681.D

Acq: 05 Feb 2025 16:47

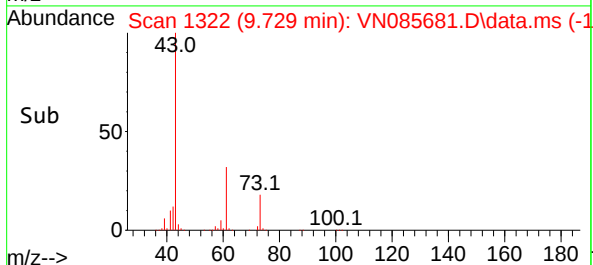
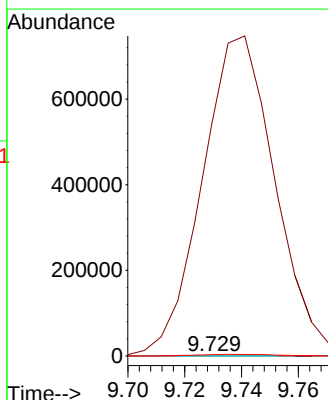
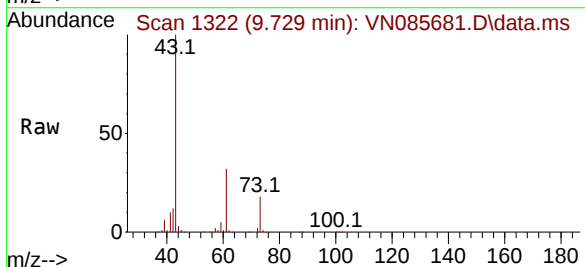
Tgt Ion: 88 Resp: 108

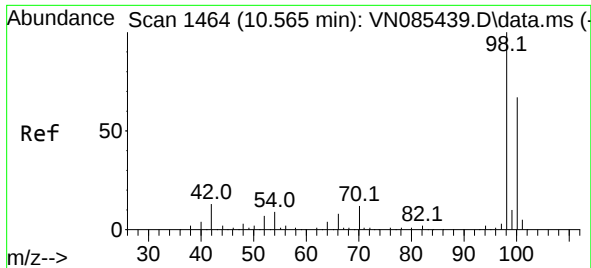
Ion Ratio Lower Upper

88 100

43 1242979.6 26.6 39.8#

58 6900.9 59.5 89.3#

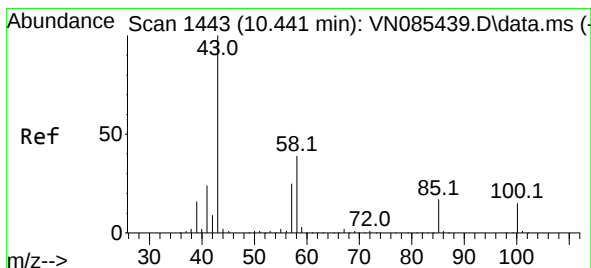
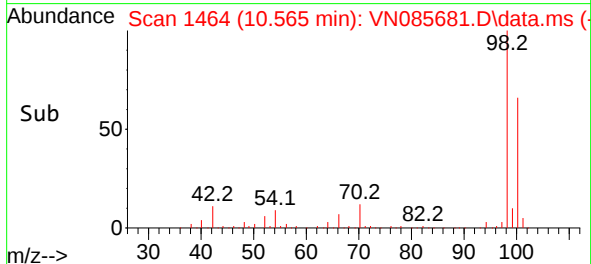
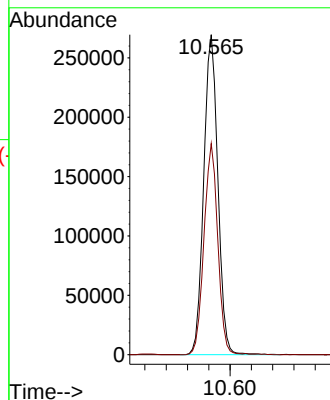
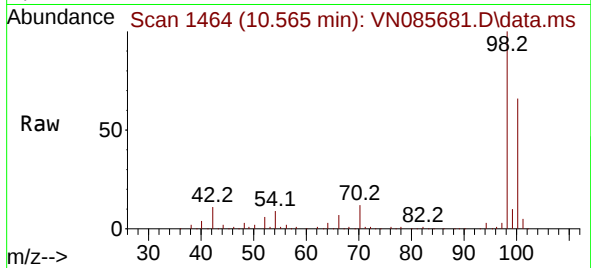




#50
Toluene-d8
Concen: 52.004 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

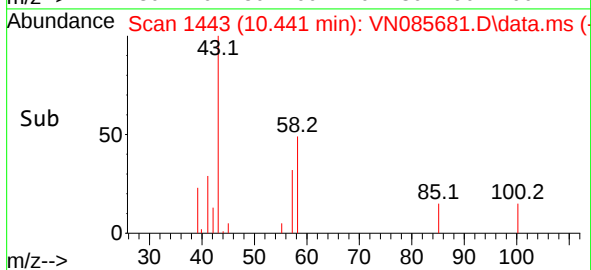
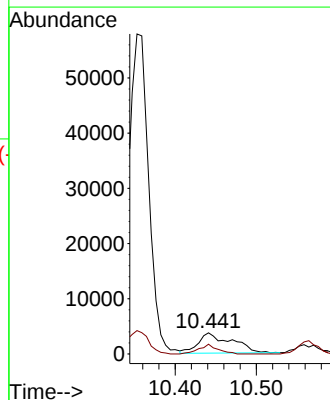
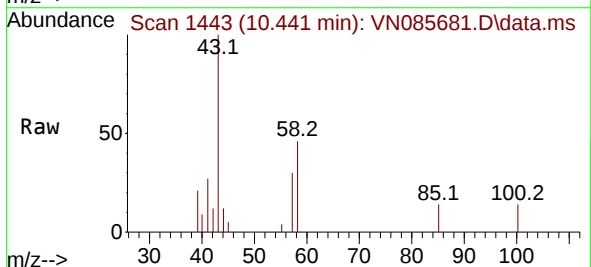
Instrument :
MSVOA_N
ClientSampleId :

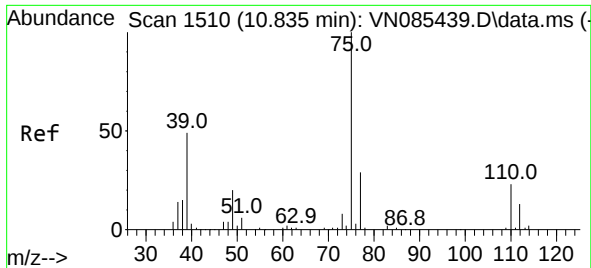
Tgt Ion: 98 Resp: 496071
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 2.990 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

Tgt Ion: 43 Resp: 10575
Ion Ratio Lower Upper
43 100
58 26.7 30.5 45.7#

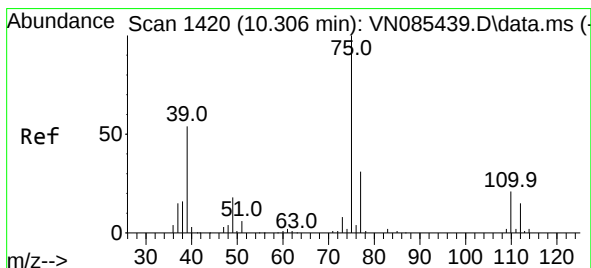
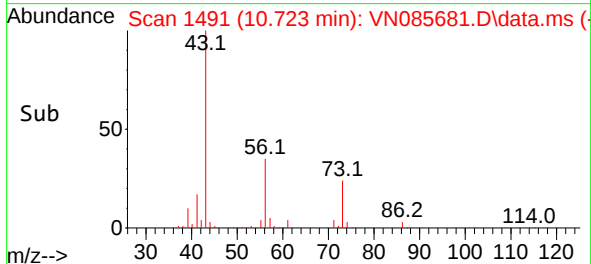
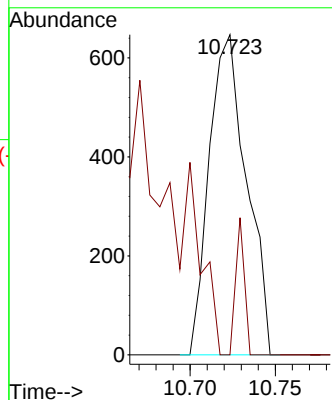
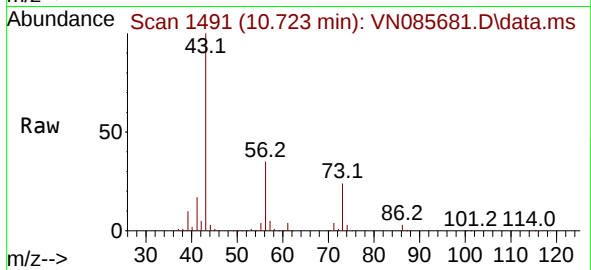




#53
 t-1,3-Dichloropropene
 Concen: 0.246 ug/l
 RT: 10.723 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN085681.D
 Acq: 05 Feb 2025 16:47

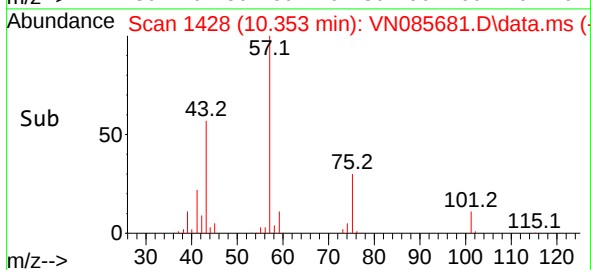
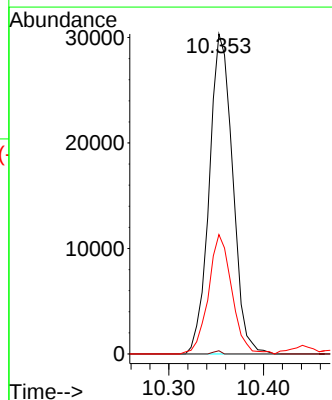
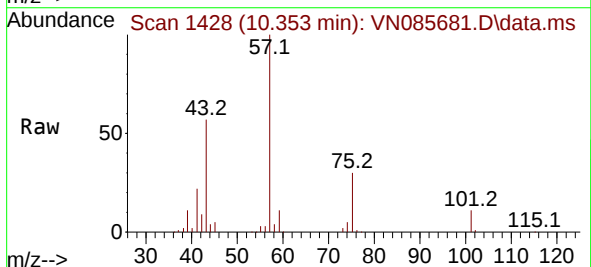
Instrument :
 MSVOA_N
 ClientSampleId :

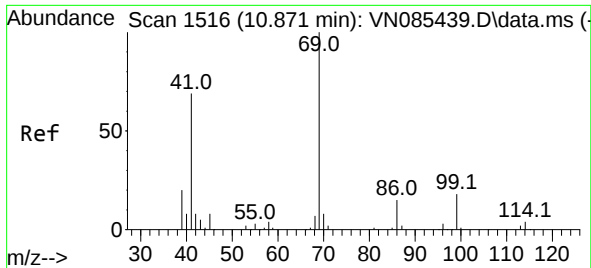
Tgt Ion: 75 Resp: 987
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.5 35.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.143 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085681.D
 Acq: 05 Feb 2025 16:47

Tgt Ion: 75 Resp: 52110
 Ion Ratio Lower Upper
 75 100
 77 1.0 25.0 37.4#
 39 37.3 43.1 64.7#

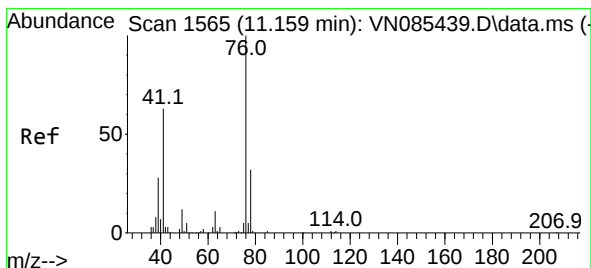
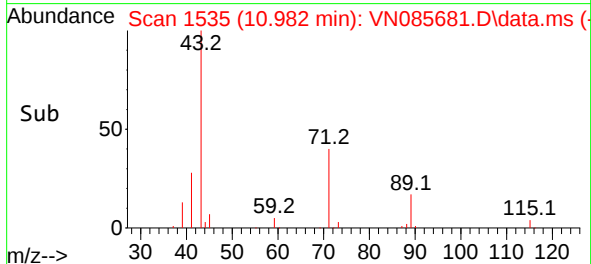
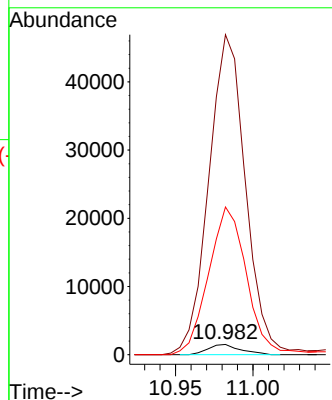
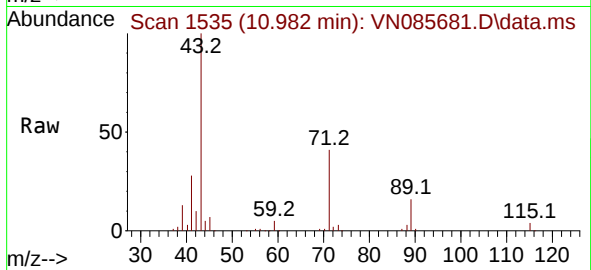




#56
Ethyl methacrylate
Concen: 2.411 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

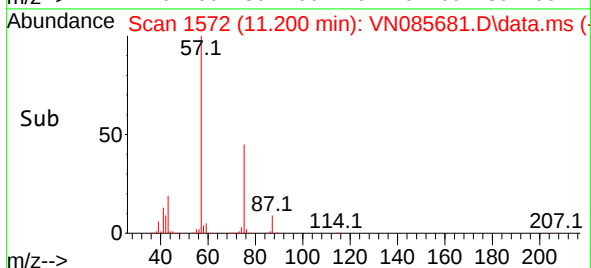
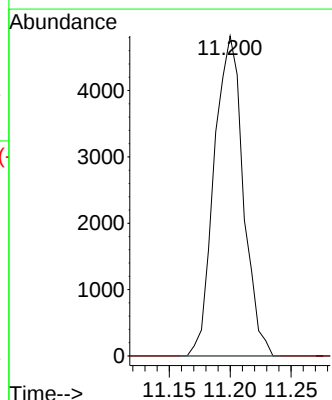
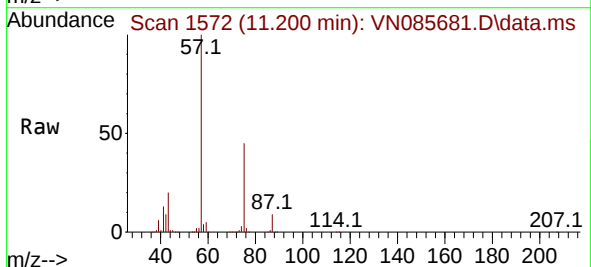
Instrument :
MSVOA_N
ClientSampleId :

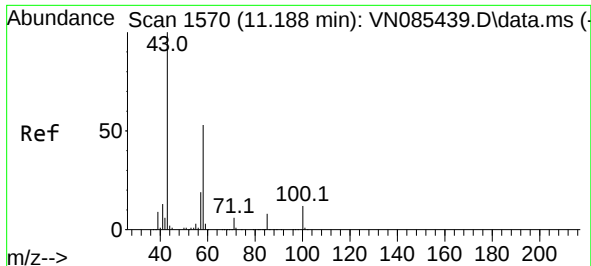
Tgt Ion: 69 Resp: 2185
Ion Ratio Lower Upper
69 100
41 3548.6 54.6 82.0#
39 1689.9 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.777 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

Tgt Ion: 76 Resp: 8023
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

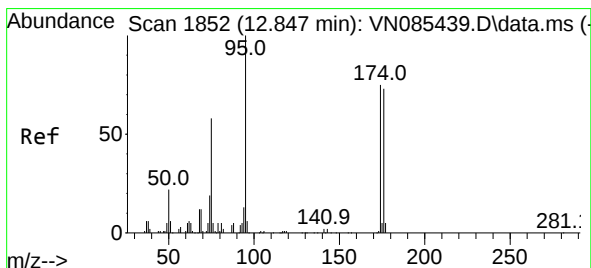
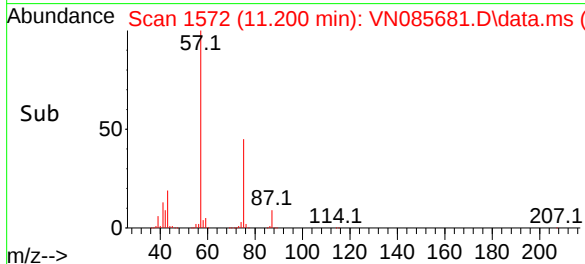
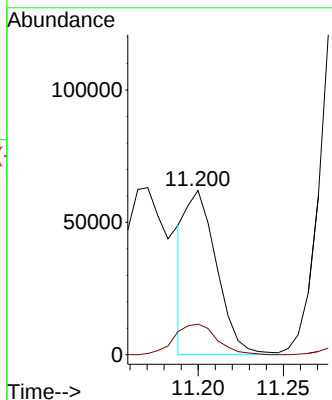
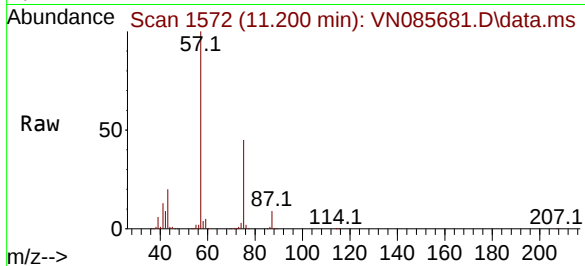




#59
2-Hexanone
Concen: 31.644 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

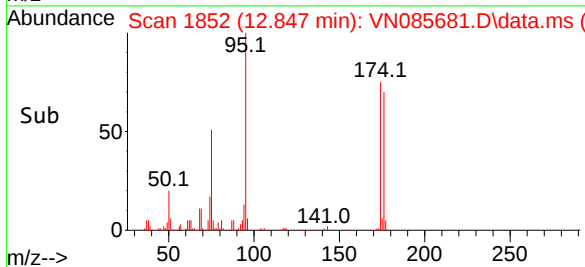
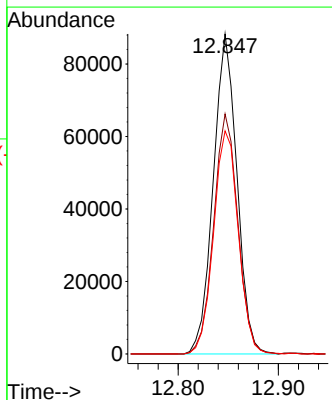
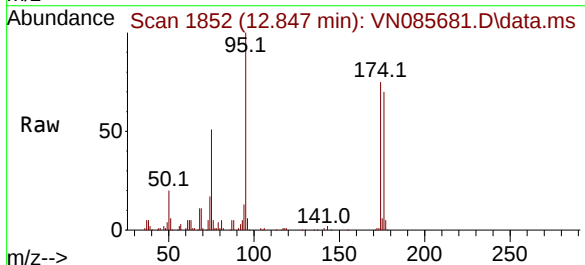
Instrument :
MSVOA_N
ClientSampleId :

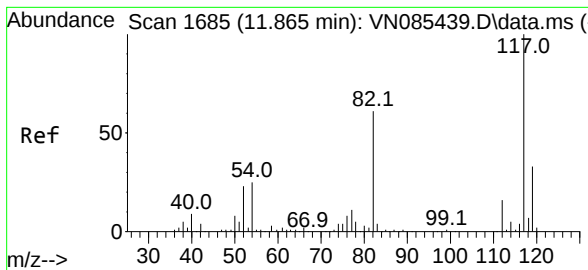
Tgt Ion: 43 Resp: 78740
Ion Ratio Lower Upper
43 100
58 25.4 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 44.280 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

Tgt Ion: 95 Resp: 144489
Ion Ratio Lower Upper
95 100
174 76.6 0.0 145.0
176 72.9 0.0 142.4

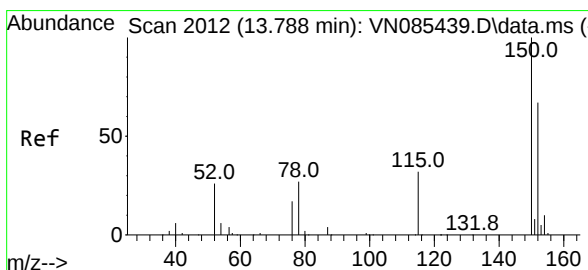
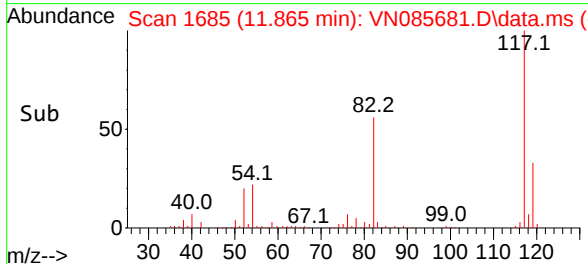
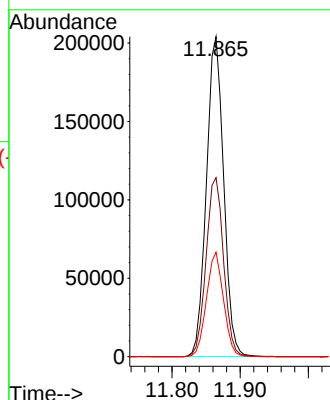
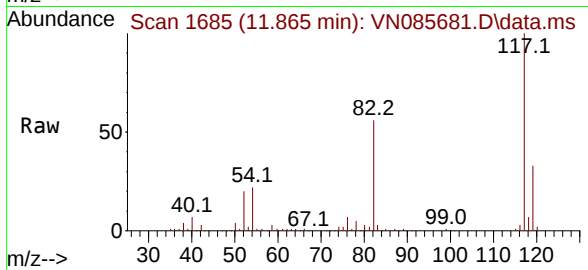




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

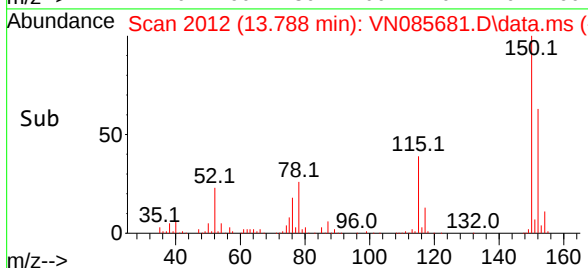
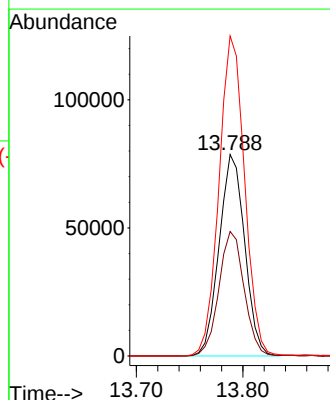
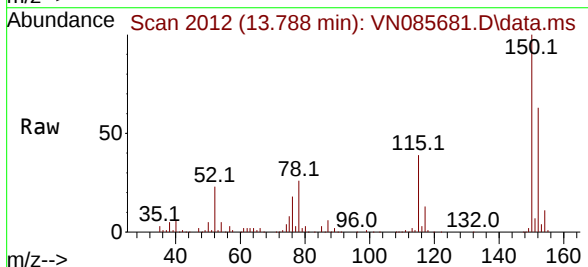
Instrument :
MSVOA_N
ClientSampleId :

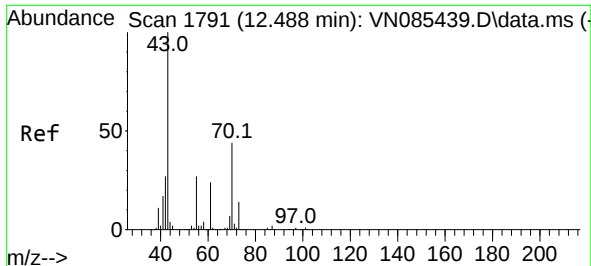
Tgt Ion:117 Resp: 359796
Ion Ratio Lower Upper
117 100
82 56.0 48.6 72.8
119 32.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

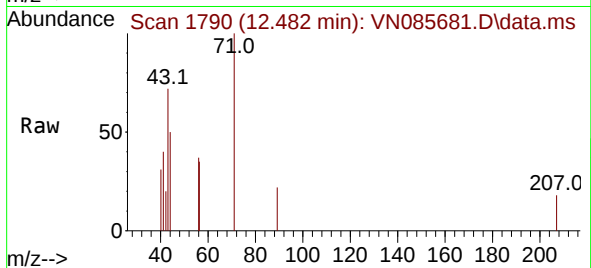
Tgt Ion:152 Resp: 131069
Ion Ratio Lower Upper
152 100
115 61.1 31.1 93.3
150 159.0 0.0 343.6



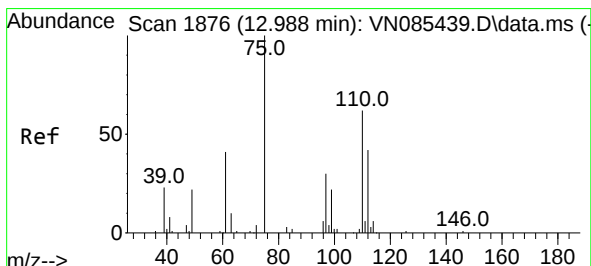
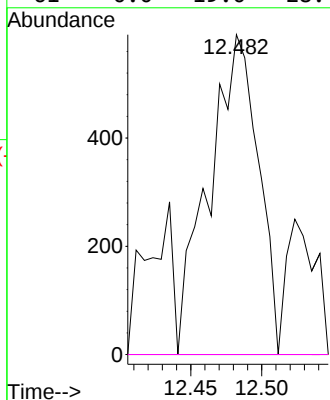
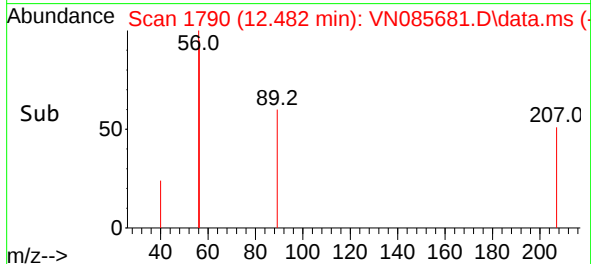


#74
N-amy1 acetate
Concen: 0.359 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

Instrument :
MSVOA_N
ClientSampleId :

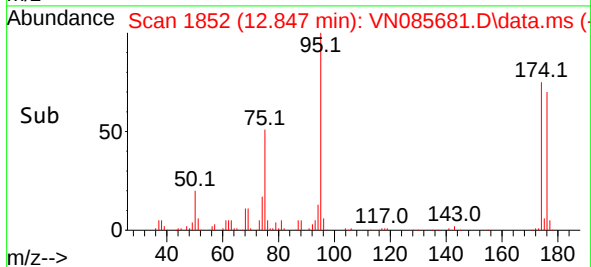
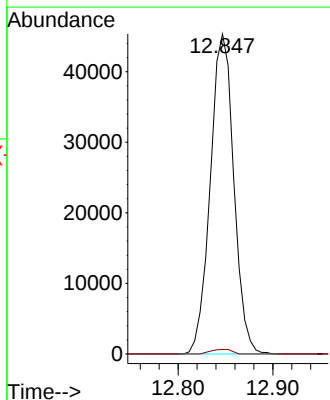
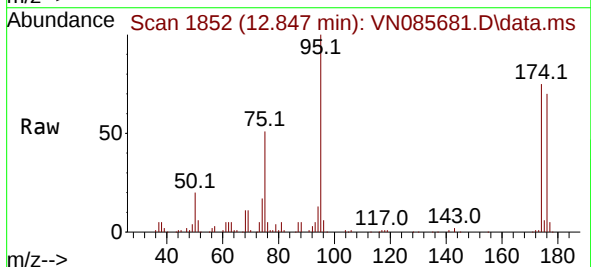


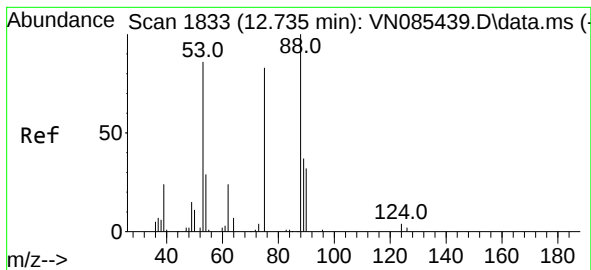
Tgt Ion: 43 Resp: 1428
Ion Ratio Lower Upper
43 100
70 0.0 34.0 51.0#
55 0.0 21.4 32.2#
61 0.0 19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 29.324 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085681.D
Acq: 05 Feb 2025 16:47

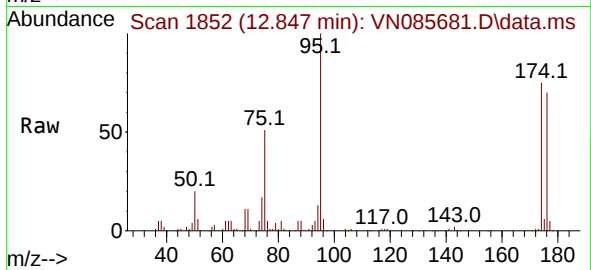
Tgt Ion: 75 Resp: 78120
Ion Ratio Lower Upper
75 100
77 1.3 109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.339 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085681.D
 Acq: 05 Feb 2025 16:47

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 78120
 Ion Ratio Lower Upper
 75 100
 53 0.0 95.6 143.4#
 89 0.0 37.0 55.6#

