

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
 Data File : VN085813.D
 Acq On : 21 Feb 2025 19:26
 Operator : JC\MD
 Sample : PB166809ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166809ZHE#06

Quant Time: Feb 22 02:40:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

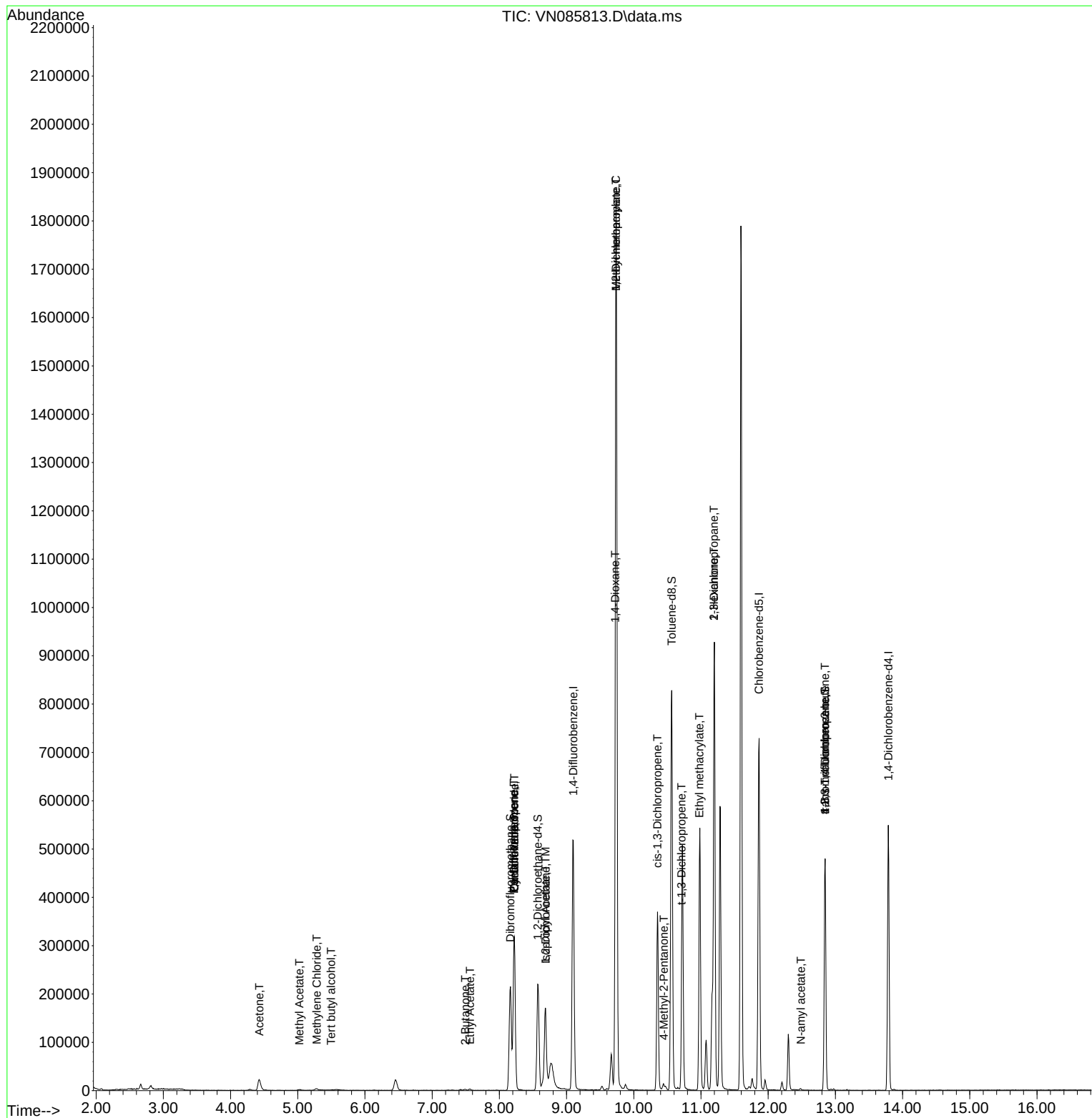
Internal Standards						
1) Pentafluorobenzene	8.218	168	229251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	459215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	432141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	184992	62.242	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.480%			
35) Dibromofluoromethane	8.165	113	159924	53.221	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.440%			
50) Toluene-d8	10.565	98	591138	54.071	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.140%			
62) 4-Bromofluorobenzene	12.847	95	169621	47.090	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.180%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.494	59	107	0.293	ug/l #	72
16) Acetone	4.430	43	42678	45.381	ug/l	95
18) Methyl Acetate	5.024	43	3526	1.090	ug/l #	71
20) Methylene Chloride	5.283	84	2351	0.777	ug/l #	87
25) 2-Butanone	7.494	43	4341	3.138	ug/l #	71
31) Cyclohexane	8.224	56	5186	1.222	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	18550	4.362	ug/l #	50
37) Ethyl Acetate	7.565	43	3925	1.122	ug/l #	87
38) Carbon Tetrachloride	8.224	117	24181	4.785	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	1488	0.335	ug/l #	73
43) Isopropyl Acetate	8.688	43	195374	31.609	ug/l #	86
45) 1,2-Dichloropropane	9.735	63	2199	0.668	ug/l #	43
48) Methyl methacrylate	9.735	41	161183	62.014	ug/l #	37
49) 1,4-Dioxane	9.724	88	65	1.315	ug/l #	24
51) 4-Methyl-2-Pentanone	10.447	43	13374	3.964	ug/l #	68
53) t-1,3-Dichloropropene	10.712	75	1167	0.254	ug/l	91
54) cis-1,3-Dichloropropene	10.353	75	65392	12.989	ug/l #	65
56) Ethyl methacrylate	10.976	69	2904	1.169	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	10387	1.959	ug/l #	42
59) 2-Hexanone	11.194	43	119440	51.454	ug/l #	51
74) N-amyl acetate	12.488	43	2166	0.589	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	84356	24.935	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	84356	72.753	ug/l #	12

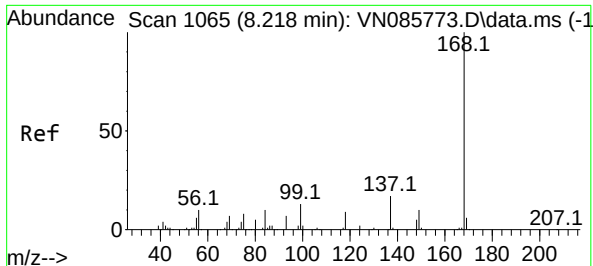
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
Data File : VN085813.D
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Sample : PB166809ZHE#06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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Quant Time: Feb 22 02:40:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
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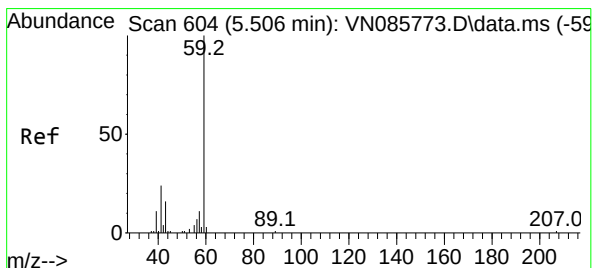
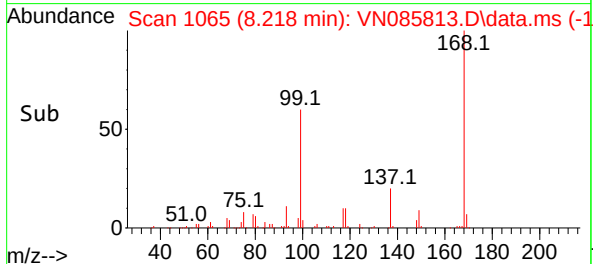
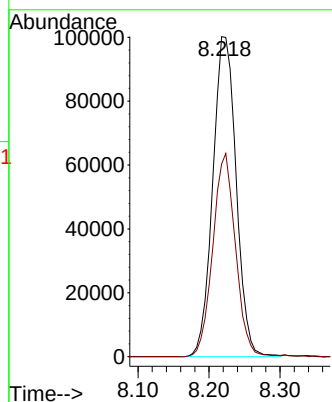
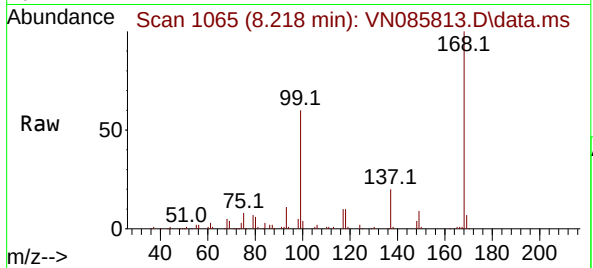




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

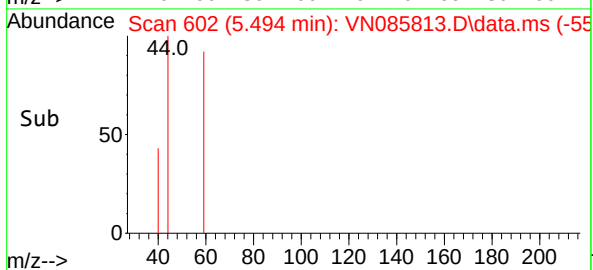
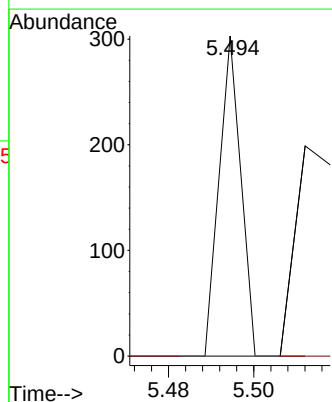
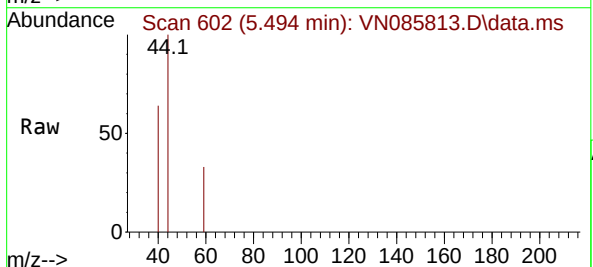
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#06

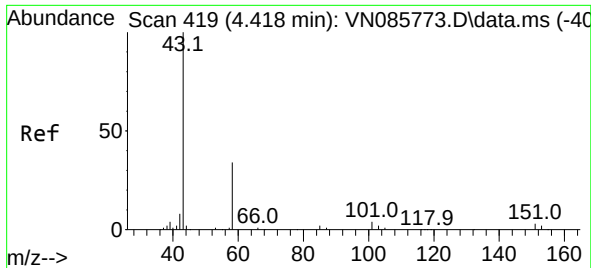
Tgt Ion:168 Resp: 229251
Ion Ratio Lower Upper
168 100
99 60.2 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.293 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.012 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

Tgt Ion: 59 Resp: 107
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

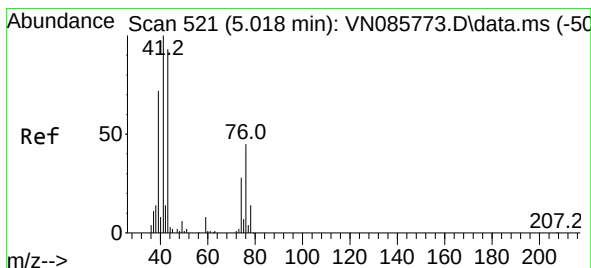
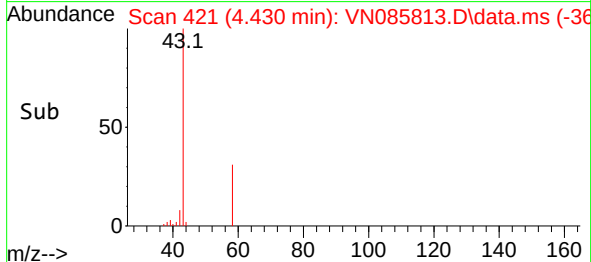
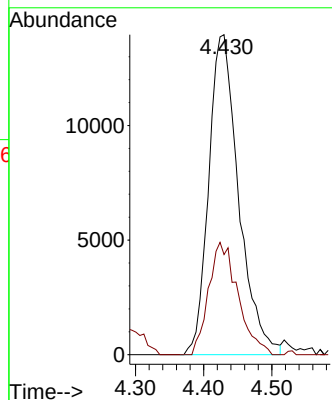
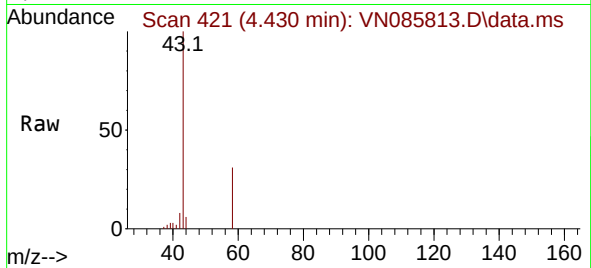




#16
Acetone
Concen: 45.381 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

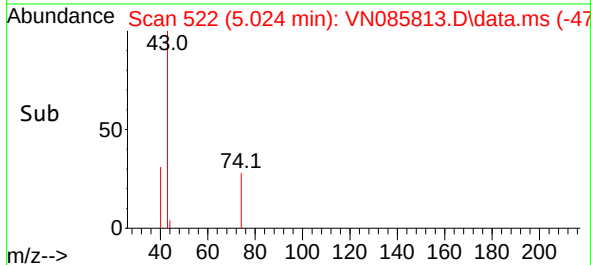
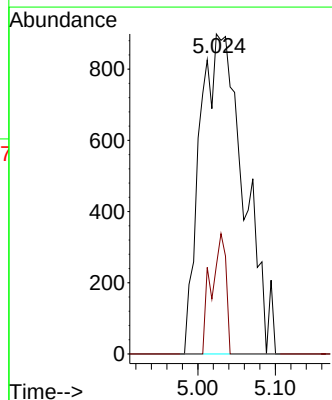
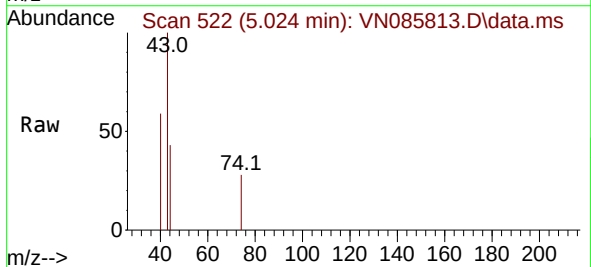
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#06

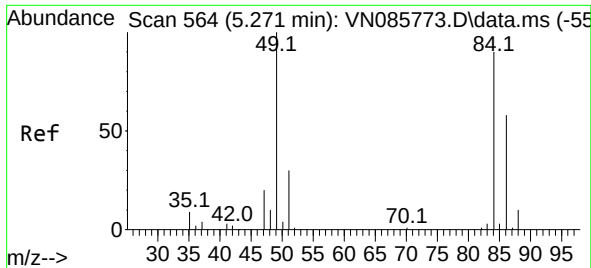
Tgt Ion: 43 Resp: 42678
Ion Ratio Lower Upper
43 100
58 31.3 27.5 41.3



#18
Methyl Acetate
Concen: 1.090 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

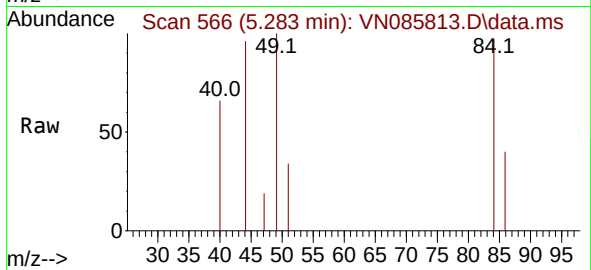
Tgt Ion: 43 Resp: 3526
Ion Ratio Lower Upper
43 100
74 12.6 22.2 33.4#



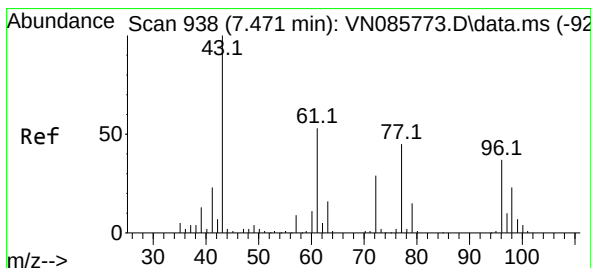
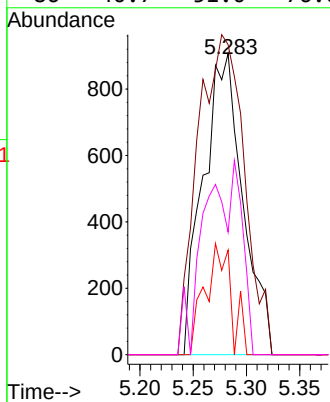


#20
Methylene Chloride
Concen: 0.777 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#06

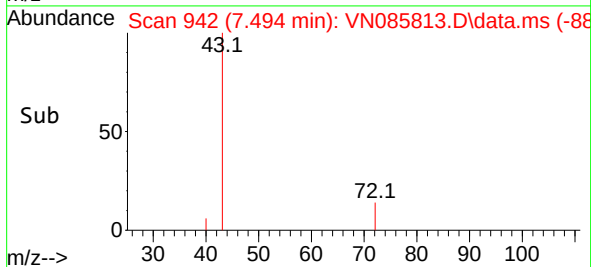
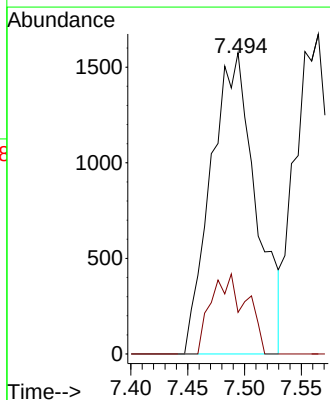
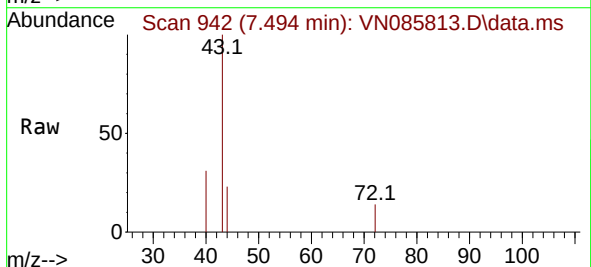


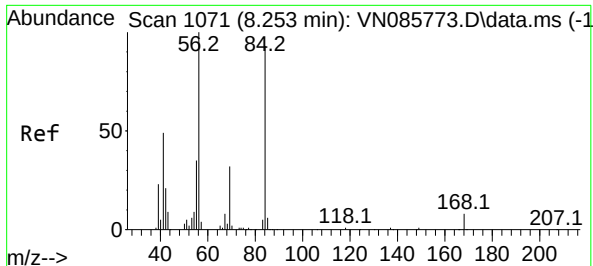
Tgt Ion:	84	Resp:	2351
Ion	Ratio	Lower	Upper
84	100		
49	103.0	88.4	132.6
51	34.7	26.6	40.0
86	40.7	51.0	76.6



#25
2-Butanone
Concen: 3.138 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.023 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

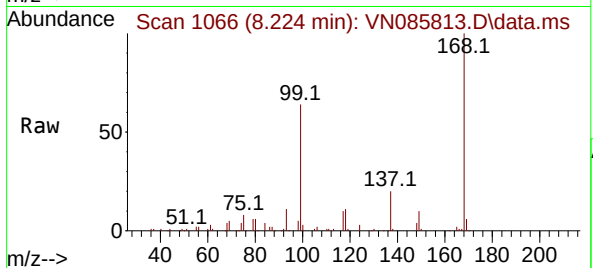
Tgt Ion:	43	Resp:	4341
Ion	Ratio	Lower	Upper
43	100		
72	13.8	23.6	35.4



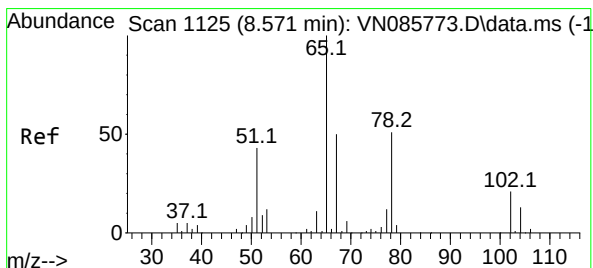
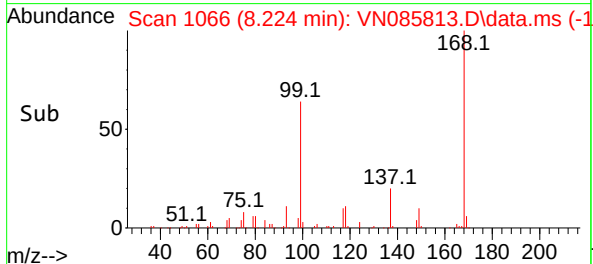
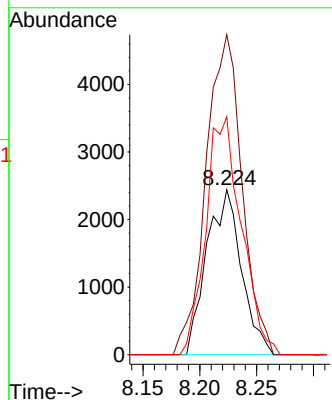


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

Instrument :
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ClientSampleId :
PB166809ZHE#06

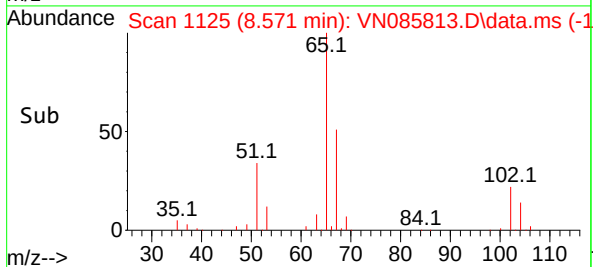
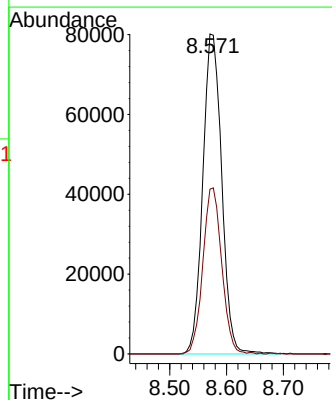
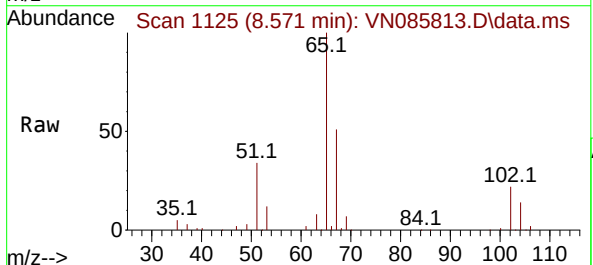


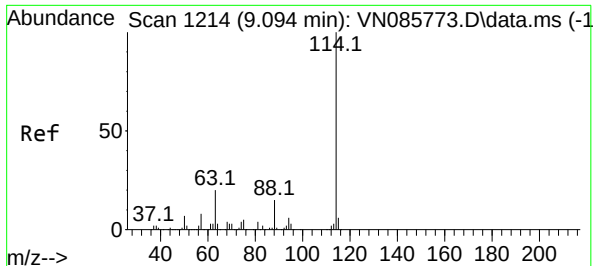
Tgt Ion: 56 Resp: 5186
Ion Ratio Lower Upper
56 100
69 194.0 25.8 38.6#
84 144.1 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 62.242 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

Tgt Ion: 65 Resp: 184992
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085813.D

Acq: 21 Feb 2025 19:26

Instrument :

MSVOA_N

ClientSampleId :

PB166809ZHE#06

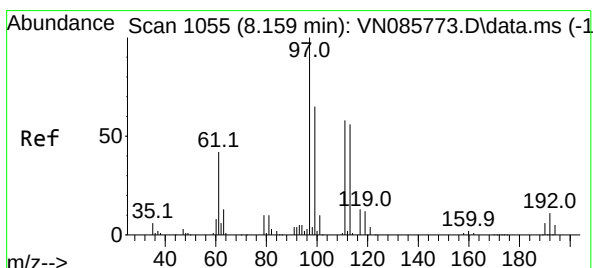
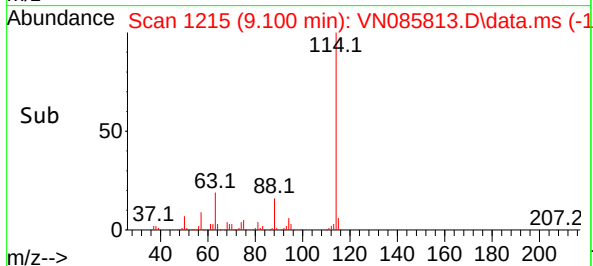
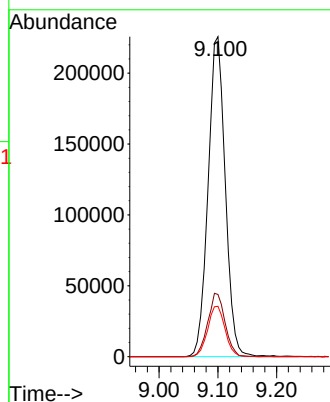
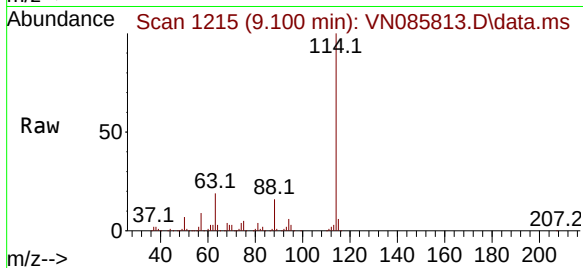
Tgt Ion:114 Resp: 459215

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.2

88 15.7 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.221 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085813.D

Acq: 21 Feb 2025 19:26

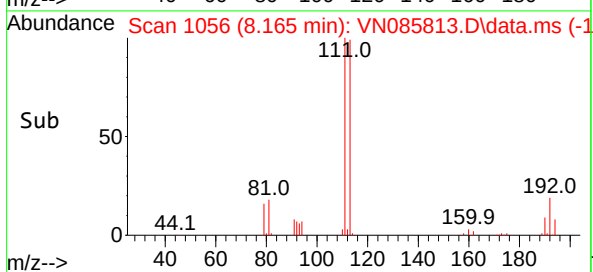
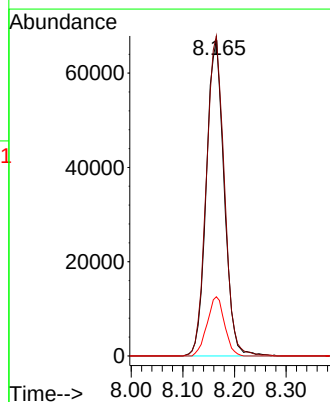
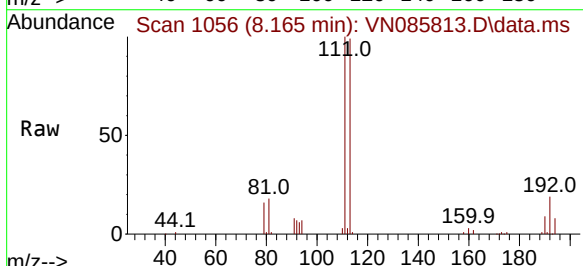
Tgt Ion:113 Resp: 159924

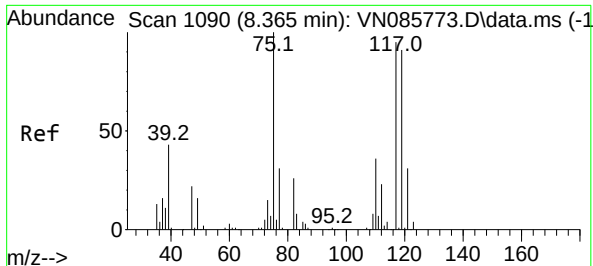
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 18.4 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.362 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085813.D

Acq: 21 Feb 2025 19:26

Instrument :

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PB166809ZHE#06

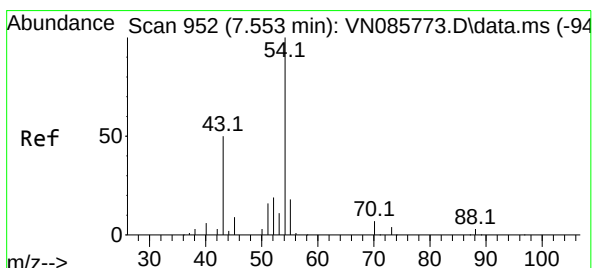
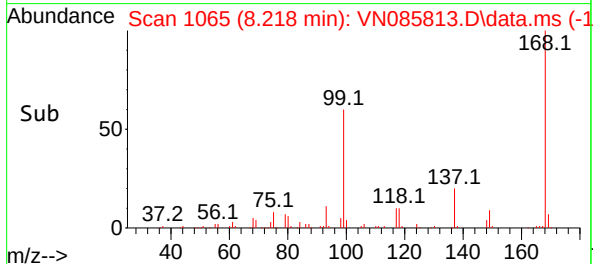
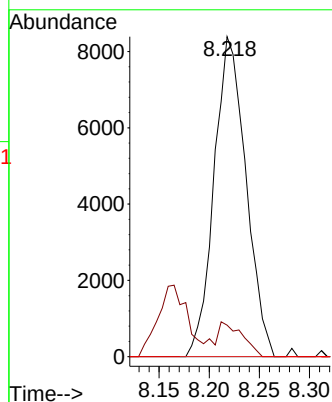
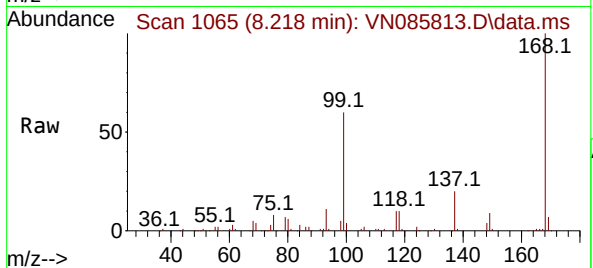
Tgt Ion: 75 Resp: 18550

Ion Ratio Lower Upper

75 100

110 9.3 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.122 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085813.D

Acq: 21 Feb 2025 19:26

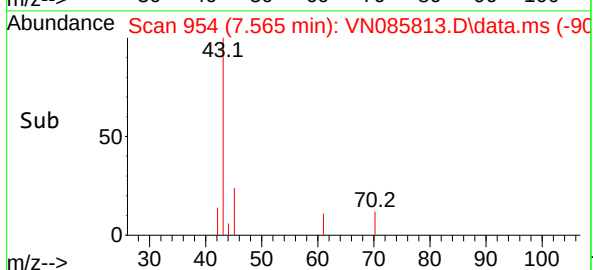
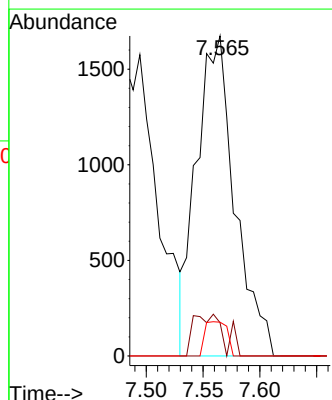
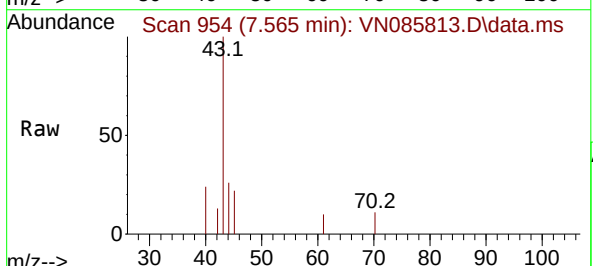
Tgt Ion: 43 Resp: 3925

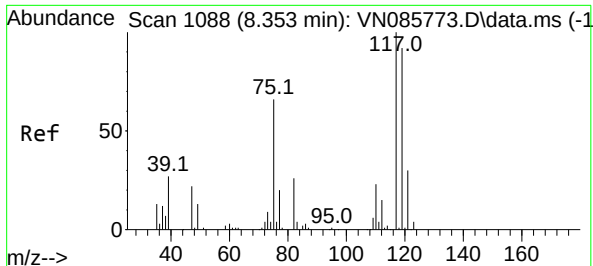
Ion Ratio Lower Upper

43 100

61 10.5 12.2 18.2#

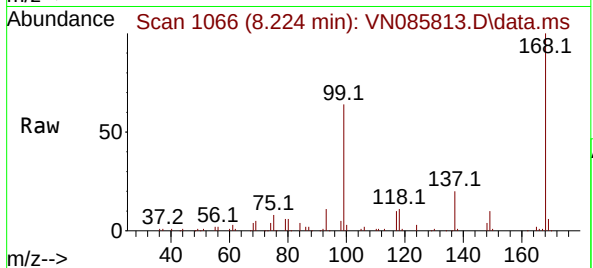
70 6.2 9.5 14.3#



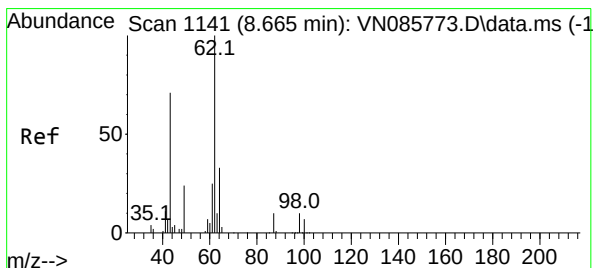
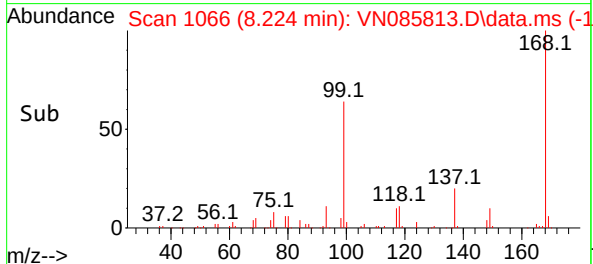
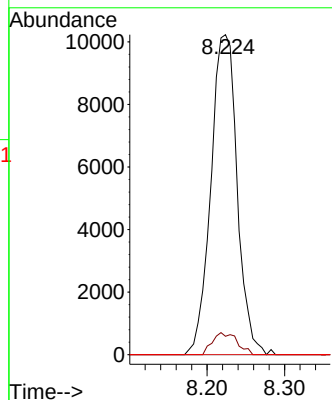


#38
Carbon Tetrachloride
Concen: 4.785 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.129 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#06

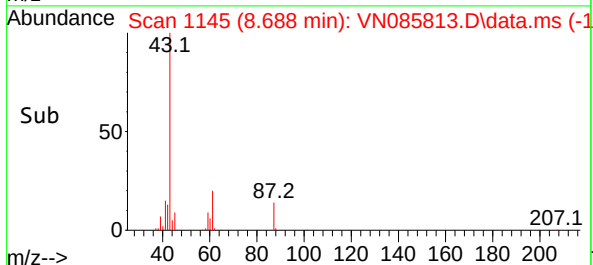
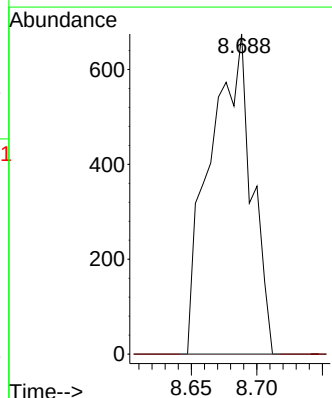
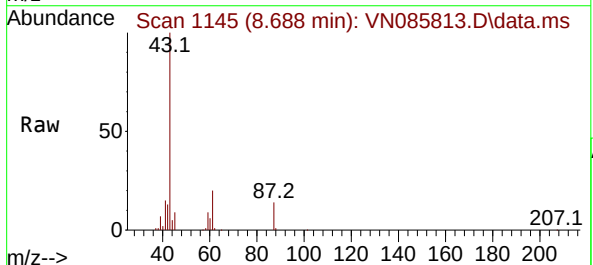


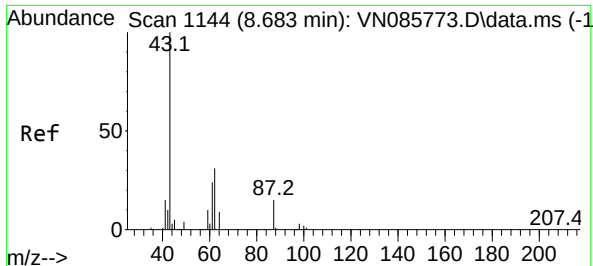
Tgt Ion:117 Resp: 24181
Ion Ratio Lower Upper
117 100
119 5.8 73.8 110.6#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.335 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.023 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

Tgt Ion: 62 Resp: 1488
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6

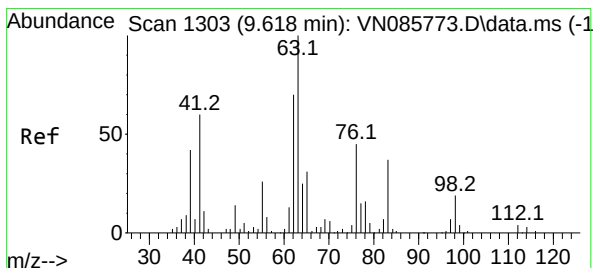
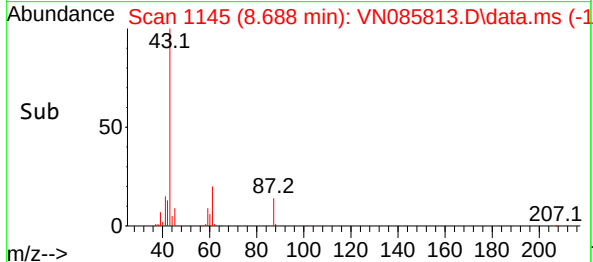
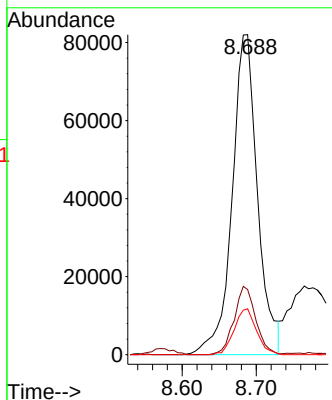
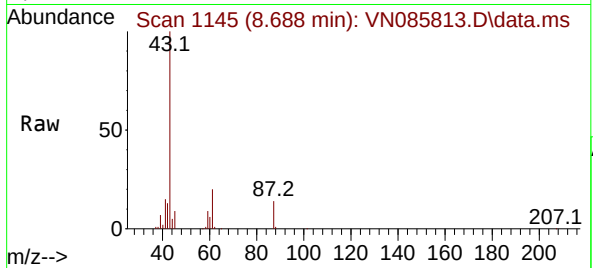




#43
Isopropyl Acetate
Concen: 31.609 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.005 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

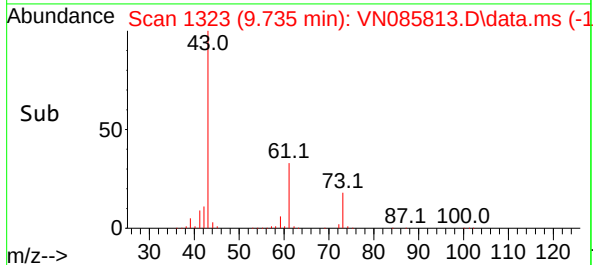
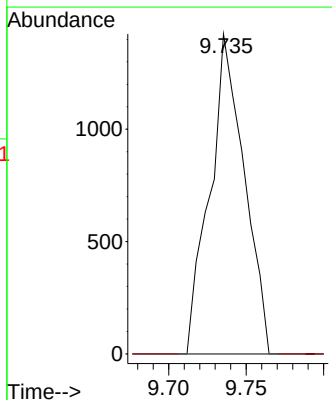
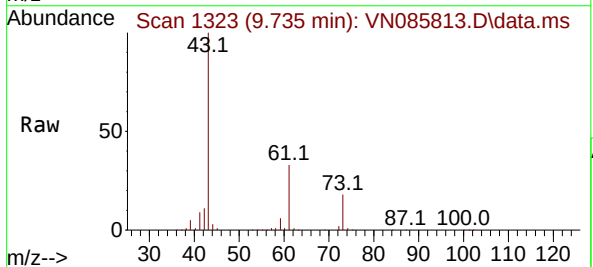
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#06

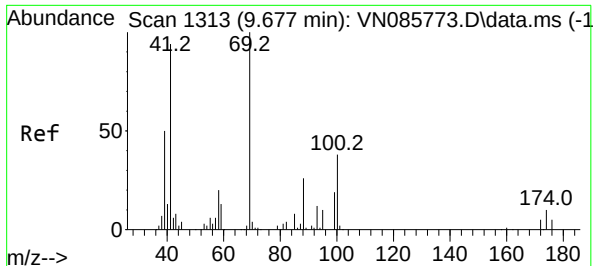
Tgt Ion: 43 Resp: 195374
Ion Ratio Lower Upper
43 100
61 18.2 22.6 34.0#
87 12.6 11.8 17.8



#45
1,2-Dichloropropane
Concen: 0.668 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

Tgt Ion: 63 Resp: 2199
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#

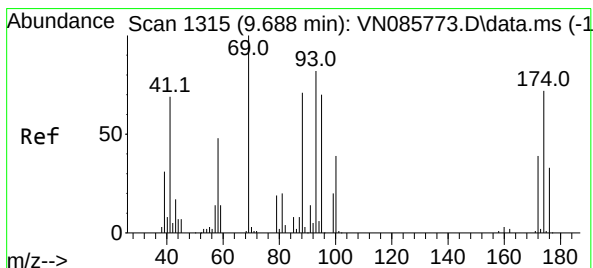
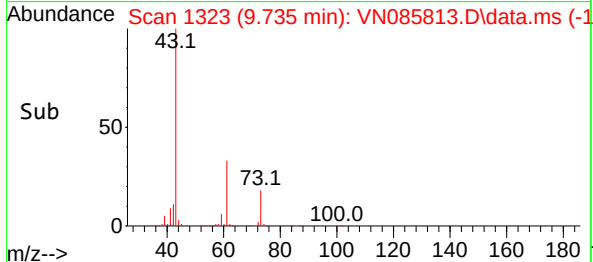
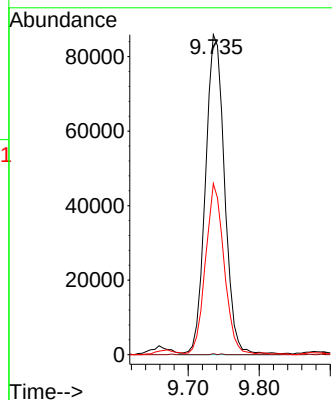
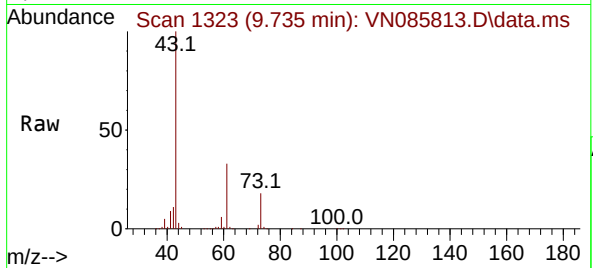




#48
Methyl methacrylate
Concen: 62.014 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

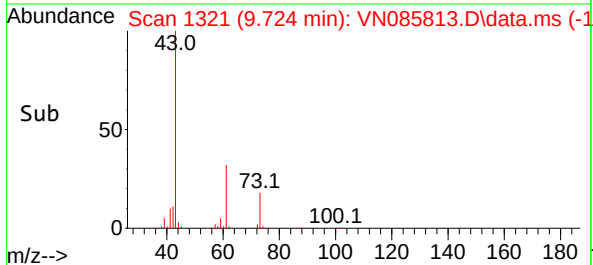
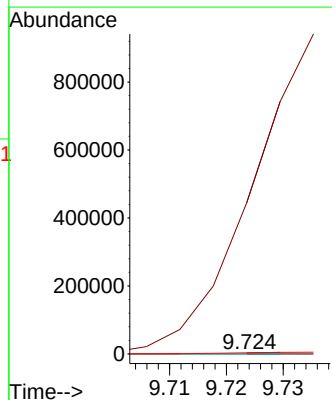
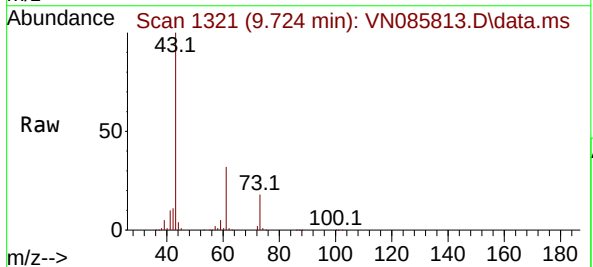
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#06

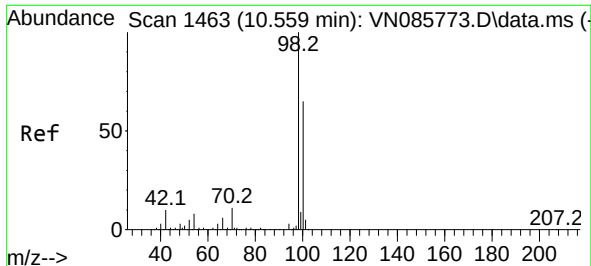
Tgt Ion: 41 Resp: 161183
Ion Ratio Lower Upper
41 100
69 0.1 76.0 114.0#
39 52.6 42.3 63.5



#49
1,4-Dioxane
Concen: 1.315 ug/l
RT: 9.724 min Scan# 1321
Delta R.T. 0.036 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 18.6 27.8#
58 0.0 56.7 85.1#

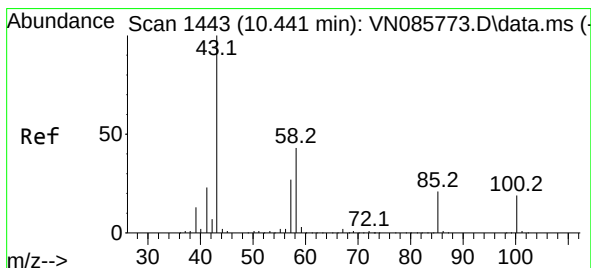
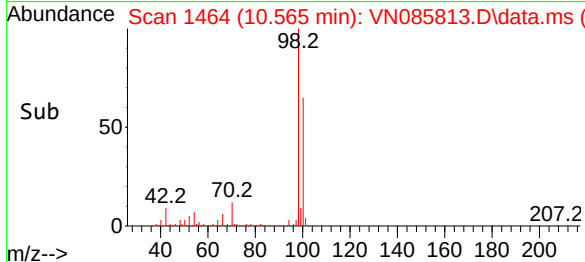
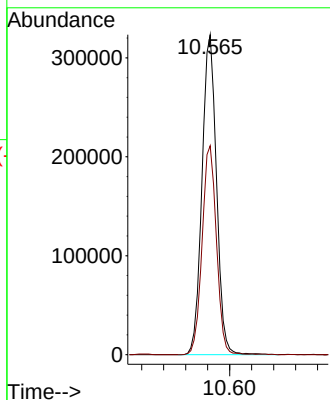
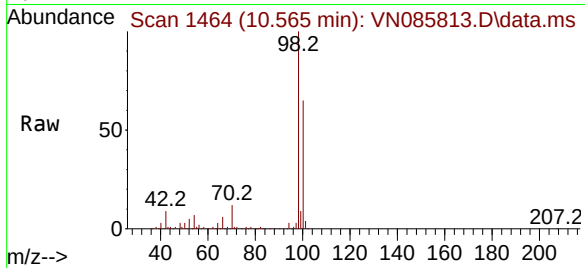




#50
Toluene-d8
Concen: 54.071 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

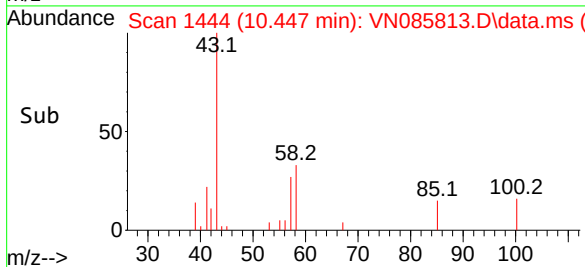
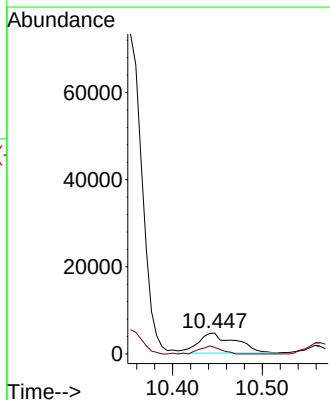
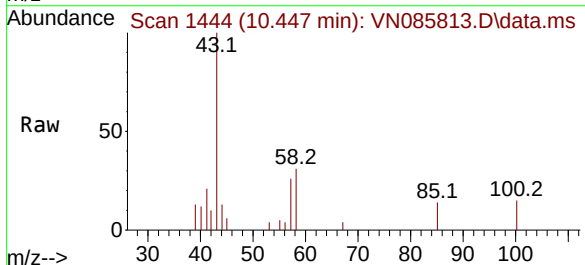
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#06

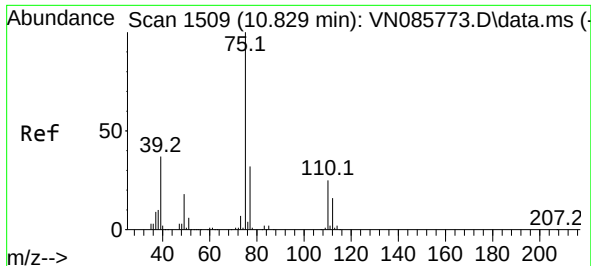
Tgt Ion: 98 Resp: 591138
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.964 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

Tgt Ion: 43 Resp: 13374
Ion Ratio Lower Upper
43 100
58 22.5 34.6 52.0#

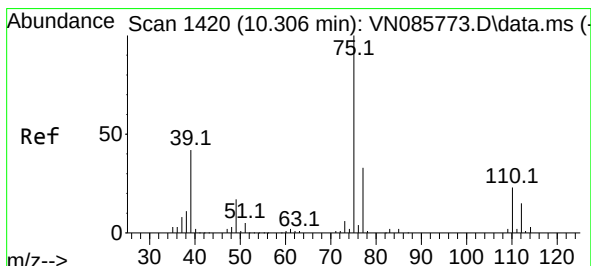
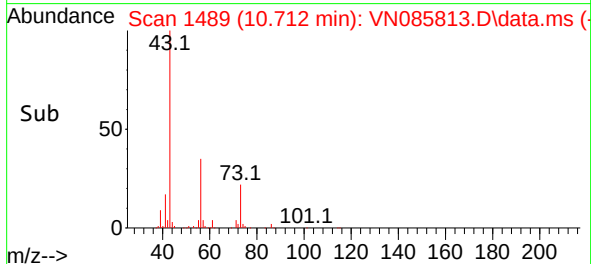
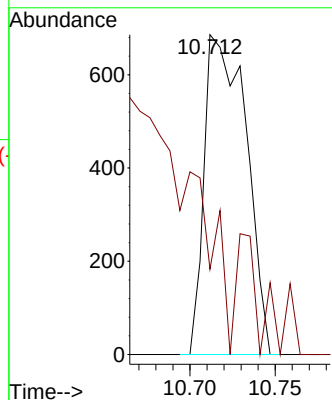
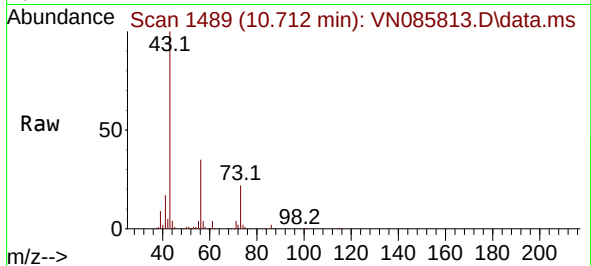




#53
t-1,3-Dichloropropene
Concen: 0.254 ug/l
RT: 10.712 min Scan# 1489
Delta R.T. -0.117 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

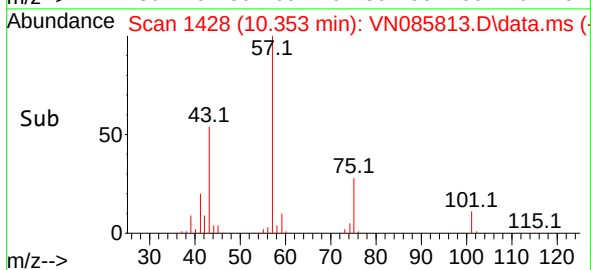
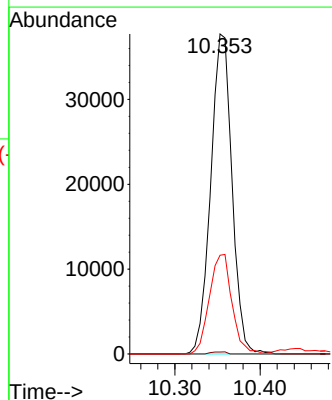
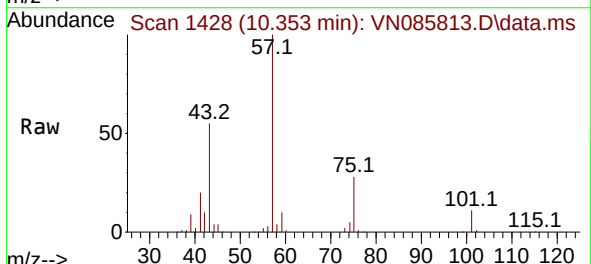
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#06

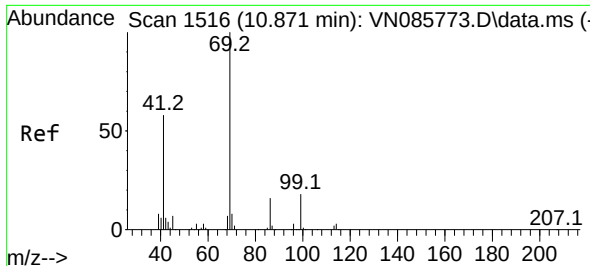
Tgt Ion: 75 Resp: 1167
Ion Ratio Lower Upper
75 100
77 26.7 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 12.989 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

Tgt Ion: 75 Resp: 65392
Ion Ratio Lower Upper
75 100
77 0.6 26.1 39.1#
39 30.9 33.4 50.0#

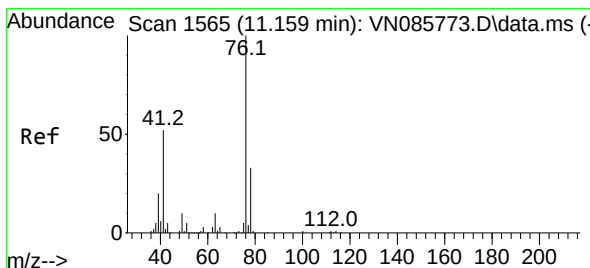
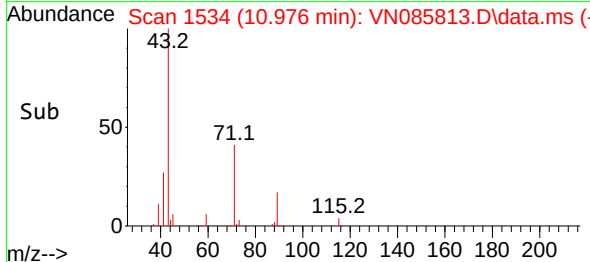
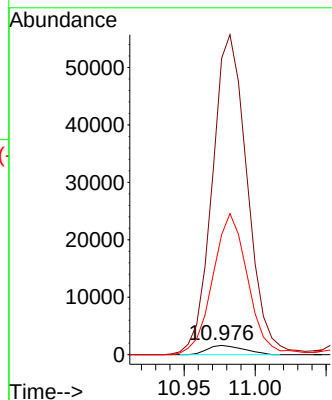
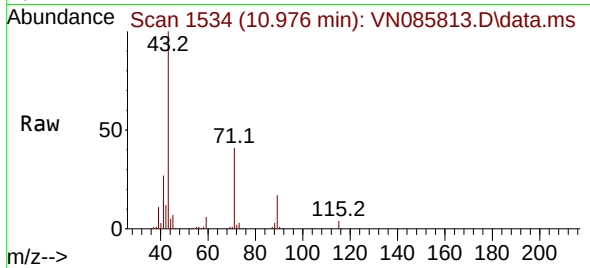




#56
Ethyl methacrylate
Concen: 1.169 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.105 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

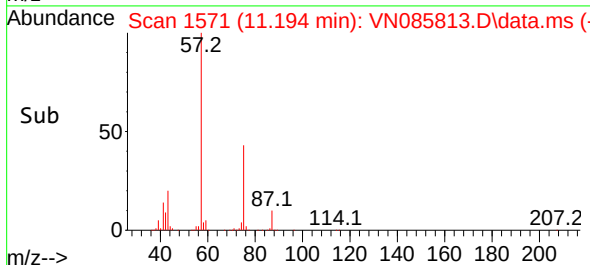
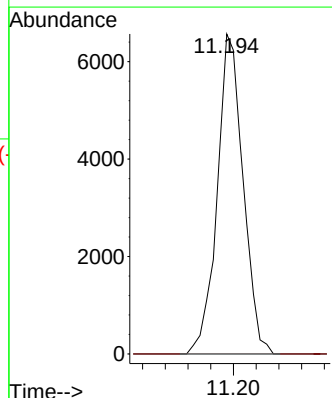
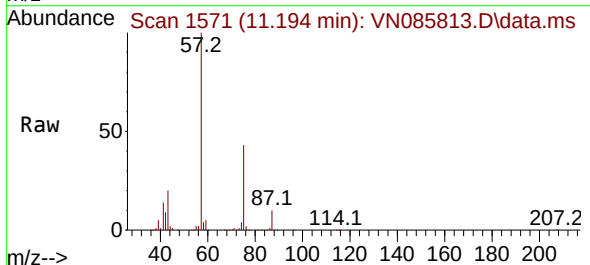
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#06

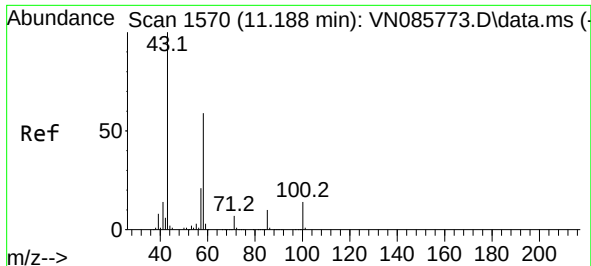
Tgt Ion: 69 Resp: 2904
Ion Ratio Lower Upper
69 100
41 3292.3 46.0 69.0#
39 1455.6 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 1.959 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

Tgt Ion: 76 Resp: 10387
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

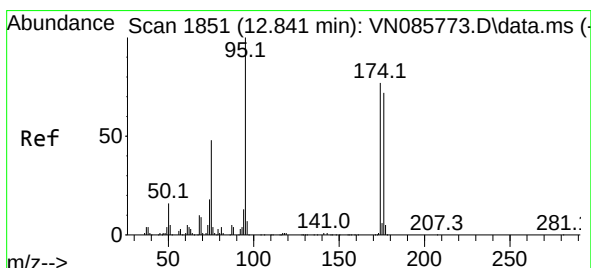
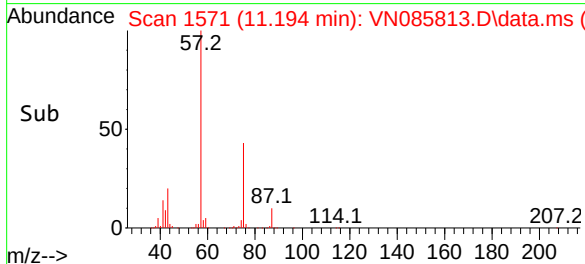
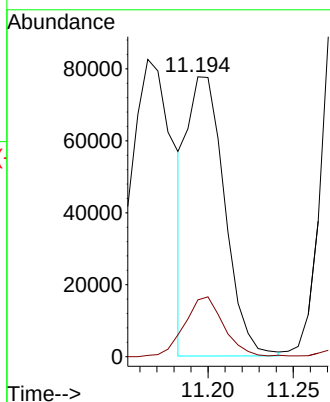
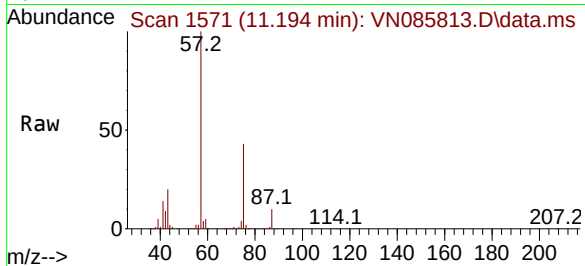




#59
2-Hexanone
Concen: 51.454 ug/l
RT: 11.194 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

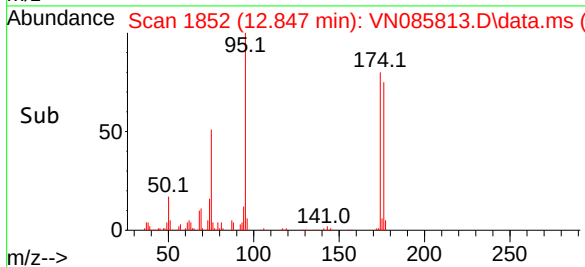
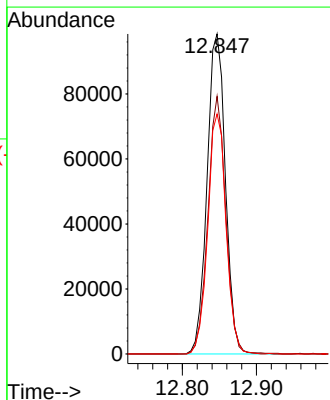
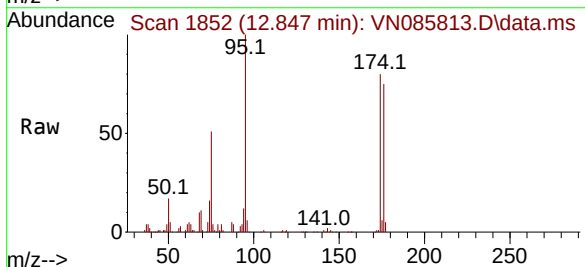
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#06

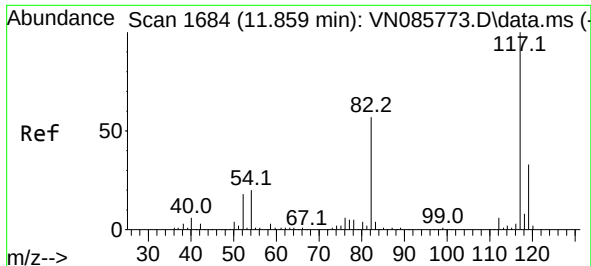
Tgt Ion: 43 Resp: 119440
Ion Ratio Lower Upper
43 100
58 22.5 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 47.090 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

Tgt Ion: 95 Resp: 169621
Ion Ratio Lower Upper
95 100
174 78.2 0.0 152.4
176 74.5 0.0 146.6

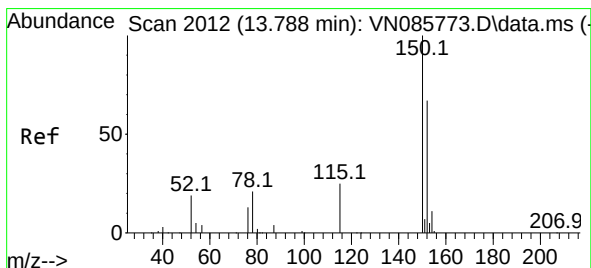
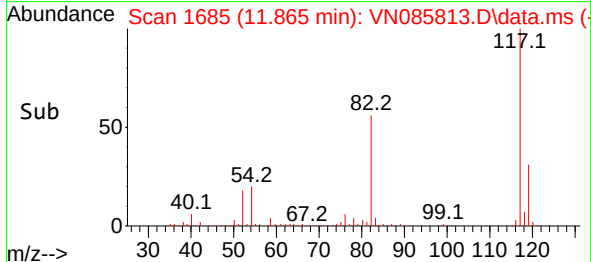
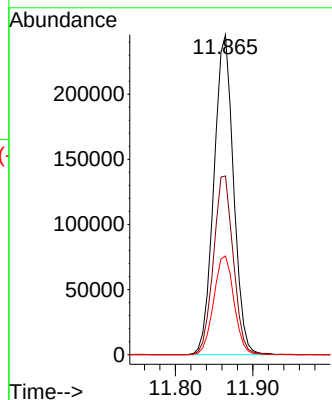
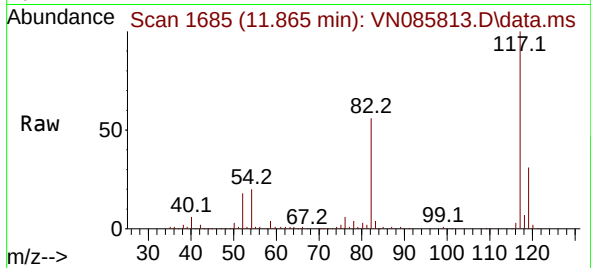




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

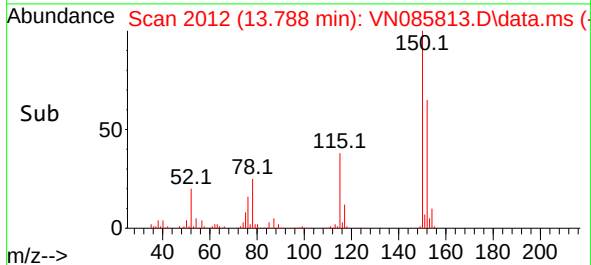
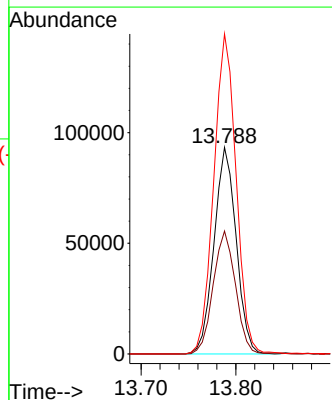
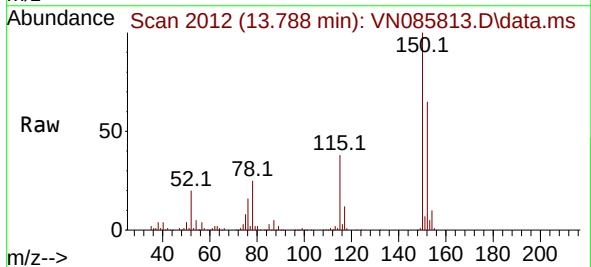
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#06

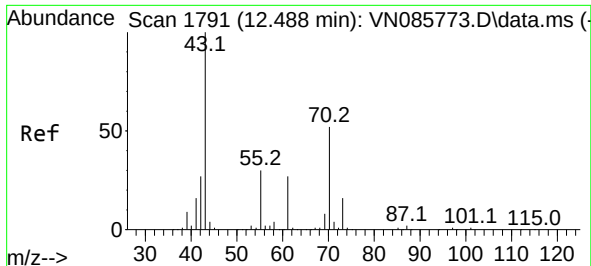
Tgt Ion:117 Resp: 432141
Ion Ratio Lower Upper
117 100
82 55.9 45.7 68.5
119 30.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

Tgt Ion:152 Resp: 152300
Ion Ratio Lower Upper
152 100
115 59.6 30.4 91.3
150 156.0 0.0 345.4

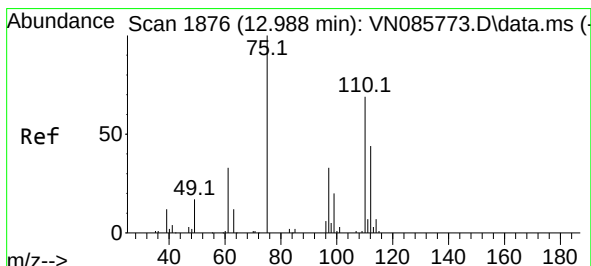
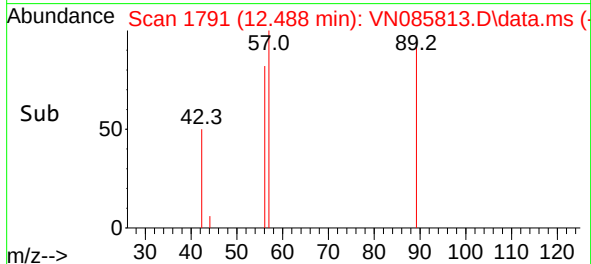
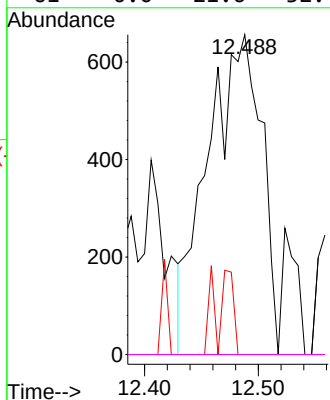
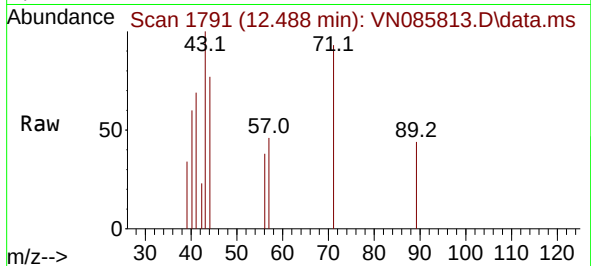




#74
N-amy1 acetate
Concen: 0.589 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

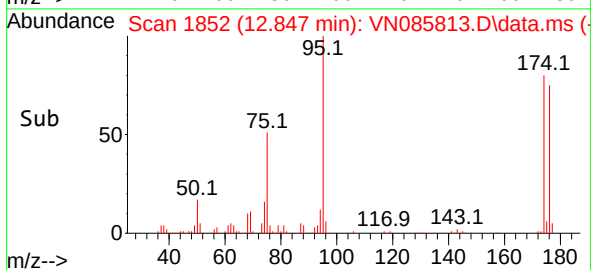
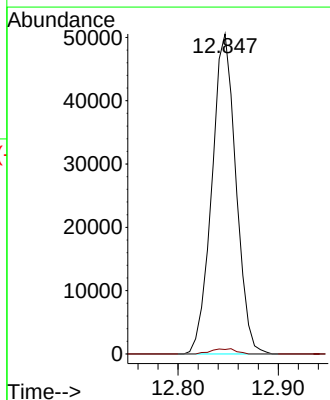
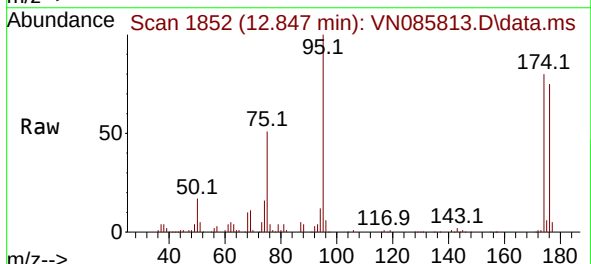
Instrument :
MSVOA_N
ClientSampleId :
PB166809ZHE#06

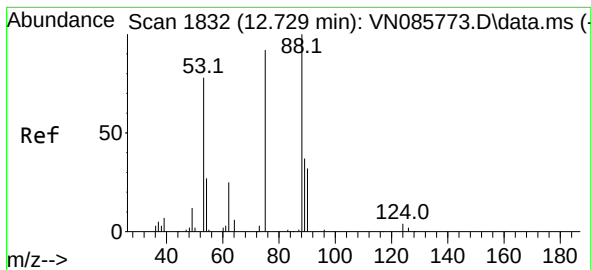
Tgt Ion: 43	Resp:	2166
Ion	Ratio	Lower Upper
43	100	
70	0.0	41.0 61.4#
55	0.0	24.6 36.8#
61	0.0	21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 24.935 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085813.D
Acq: 21 Feb 2025 19:26

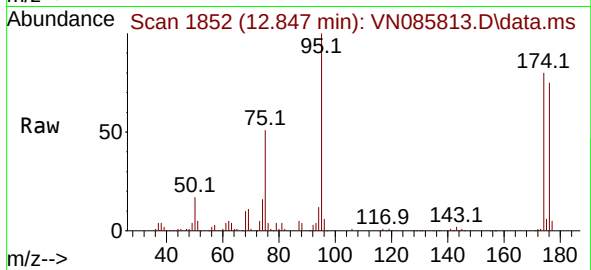
Tgt Ion: 75	Resp:	84356
Ion	Ratio	Lower Upper
75	100	
77	1.7	100.0 300.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.753 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN085813.D
 Acq: 21 Feb 2025 19:26

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166809ZHE#06



Tgt Ion: 75 Resp: 84356
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.9 52.3#

