

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043025\
 Data File : VN086442.D
 Acq On : 30 Apr 2025 17:29
 Operator : JC\MD
 Sample : PB167775ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167775ZHE#12

Quant Time: May 01 01:36:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

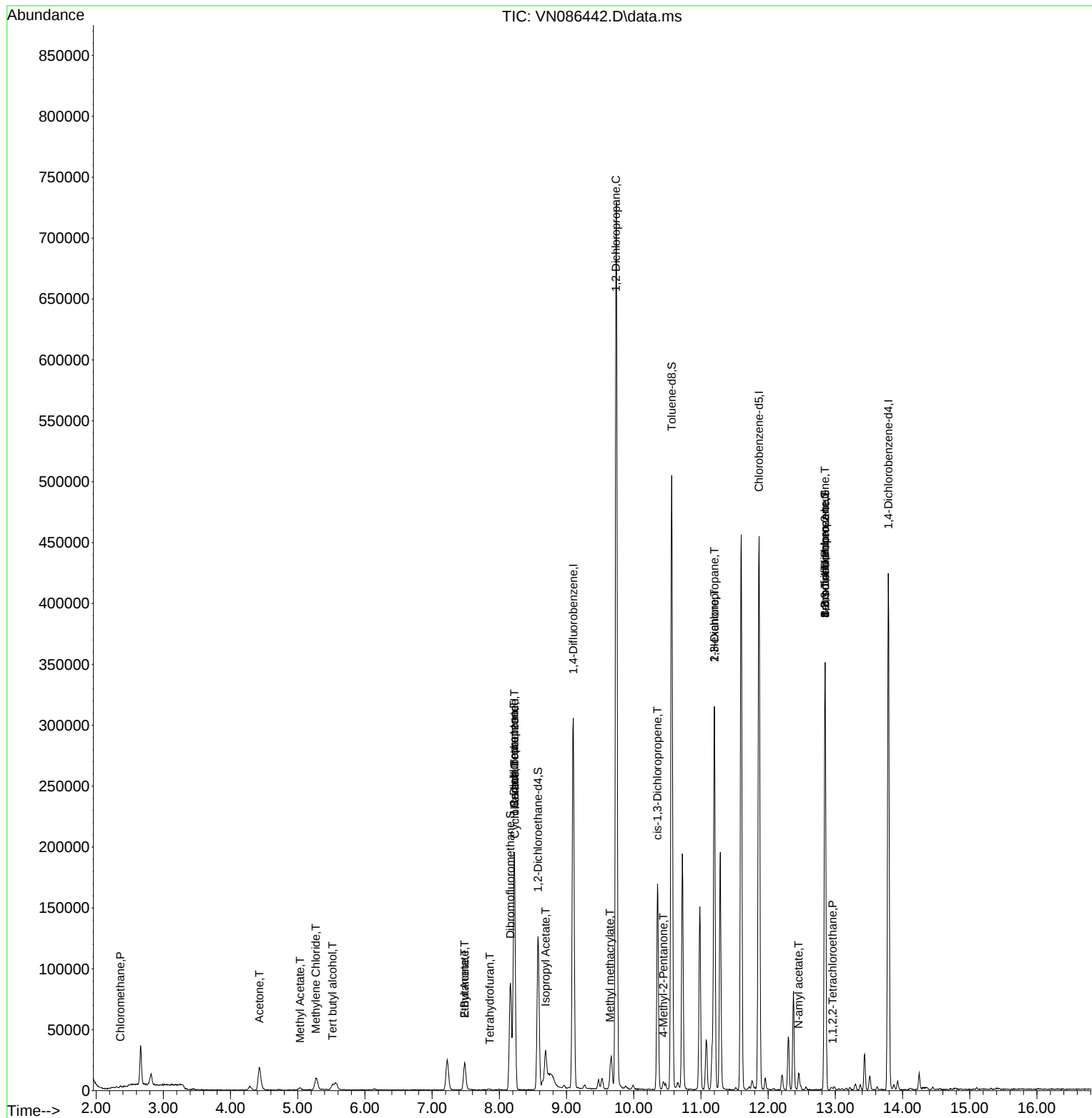
Internal Standards						
1) Pentafluorobenzene	8.224	168	141777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	273006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	103838	50.508	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.020%			
35) Dibromofluoromethane	8.165	113	66458	52.451	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.900%			
50) Toluene-d8	10.565	98	352200	52.010	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.020%			
62) 4-Bromofluorobenzene	12.847	95	126231	51.107	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.220%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	764	0.313	ug/l #	83
11) Tert butyl alcohol	5.518	59	7811	20.823	ug/l #	93
13) Acrolein	4.183	56	60	Below Cal	#	13
16) Acetone	4.430	43	36245	46.342	ug/l	98
18) Methyl Acetate	5.036	43	3536	1.433	ug/l #	83
20) Methylene Chloride	5.271	84	8071	4.247	ug/l	93
25) 2-Butanone	7.483	43	36922	28.852	ug/l	97
29) Tetrahydrofuran	7.859	42	1082	1.264	ug/l #	40
31) Cyclohexane	8.230	56	3381	1.015	ug/l #	11
36) 1,1-Dichloropropene	8.218	75	12093	4.778	ug/l #	49
37) Ethyl Acetate	7.483	43	36922	13.858	ug/l #	68
38) Carbon Tetrachloride	8.224	117	14501	6.017	ug/l #	15
43) Isopropyl Acetate	8.688	43	50553	8.873	ug/l #	76
45) 1,2-Dichloropropane	9.735	63	931	0.469	ug/l #	43
48) Methyl methacrylate	9.647	41	4840	2.069	ug/l #	42
51) 4-Methyl-2-Pentanone	10.441	43	4842	1.775	ug/l	87
54) cis-1,3-Dichloropropene	10.353	75	31988	9.552	ug/l #	59
57) 1,3-Dichloropropane	11.200	76	3135	0.971	ug/l #	43
59) 2-Hexanone	11.200	43	83925	41.472	ug/l #	51
71) Bromoform	12.847	173	655	0.447	ug/l #	1
74) N-amyl acetate	12.453	43	10562	2.298	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.959	83	1061	0.400	ug/l #	25
76) 1,2,3-Trichloropropane	12.847	75	64933	24.385	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64933	58.563	ug/l #	10

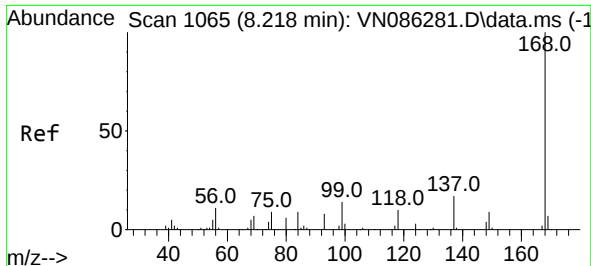
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043025\
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Sample : PB167775ZHE#12
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ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PB167775ZHE#12

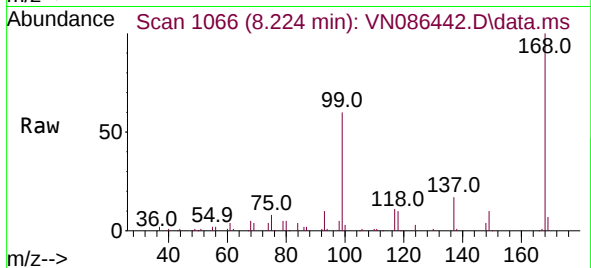
Quant Time: May 01 01:36:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



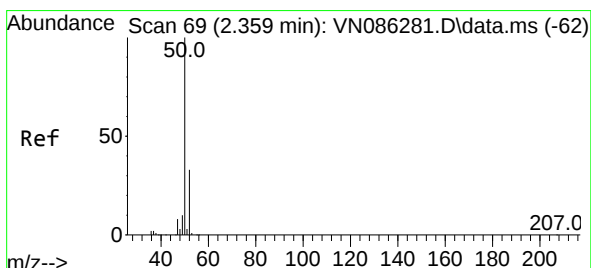
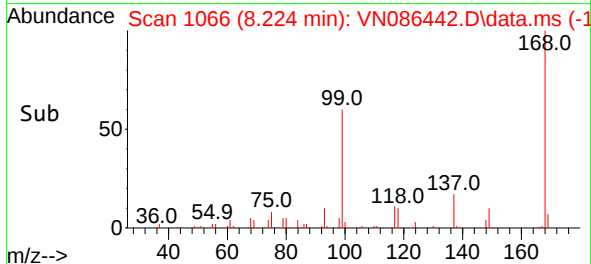
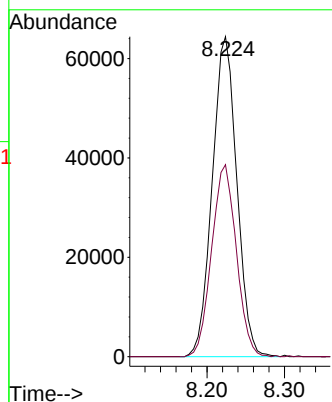


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#12

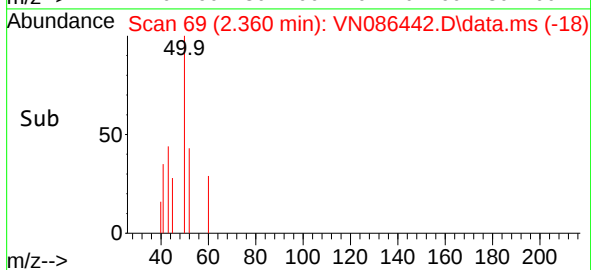
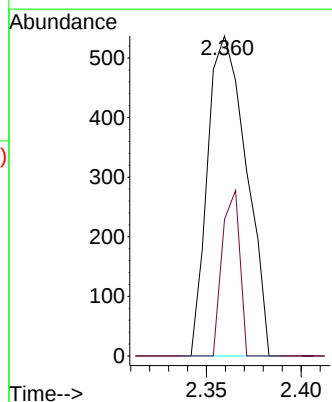
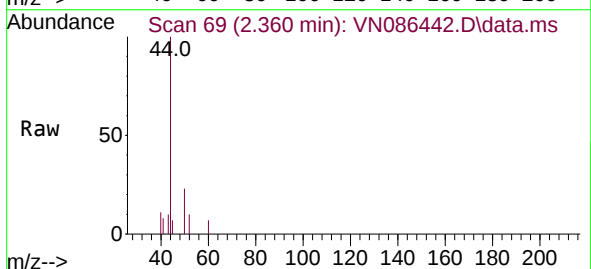


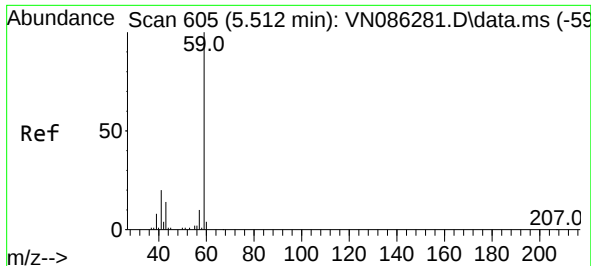
Tgt Ion:168 Resp: 141777
Ion Ratio Lower Upper
168 100
99 60.0 52.5 78.7



#3
Chloromethane
Concen: 0.313 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

Tgt Ion: 50 Resp: 764
Ion Ratio Lower Upper
50 100
52 42.6 26.5 39.7#

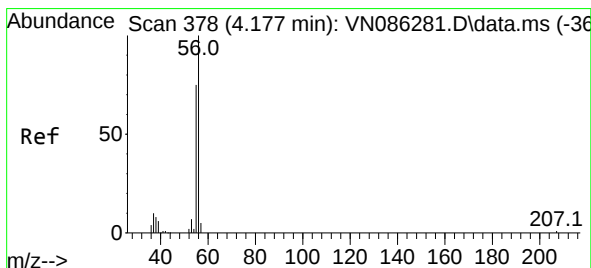
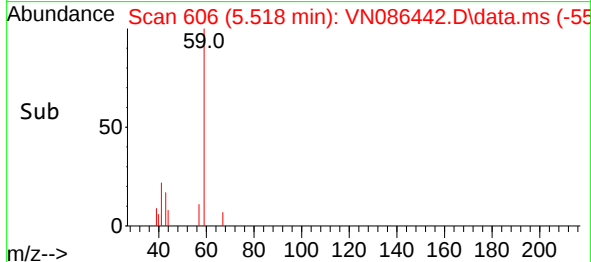
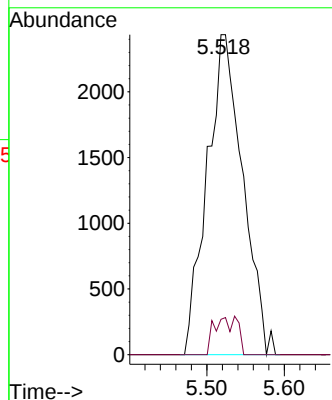
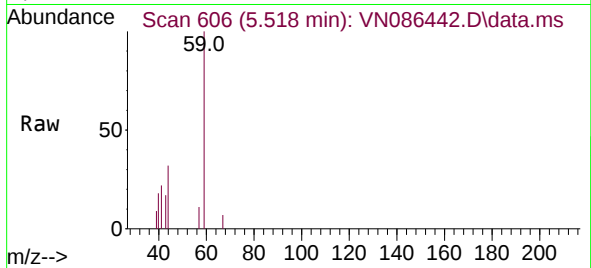




#11
Tert butyl alcohol
Concen: 20.823 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

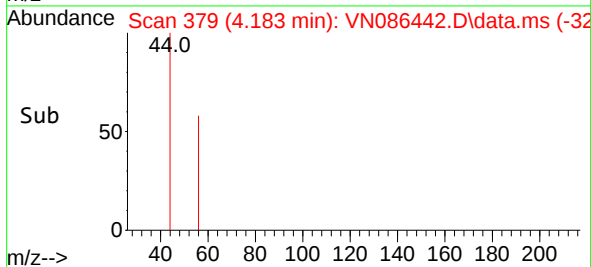
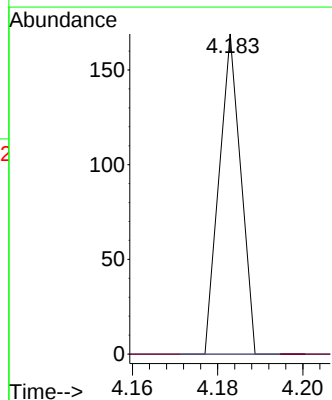
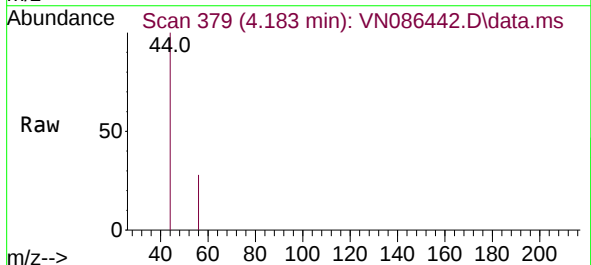
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#12

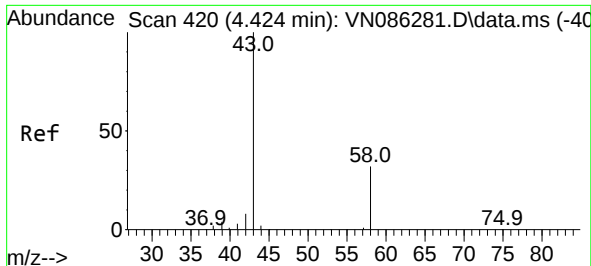
Tgt Ion: 59 Resp: 7811
Ion Ratio Lower Upper
59 100
57 7.7 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 58.5 87.7#

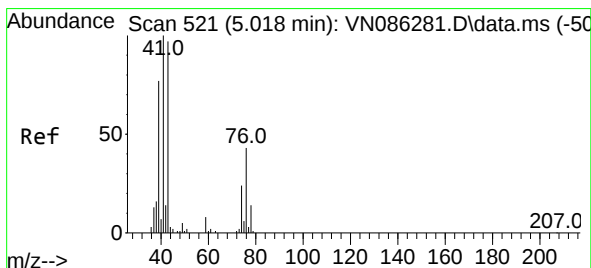
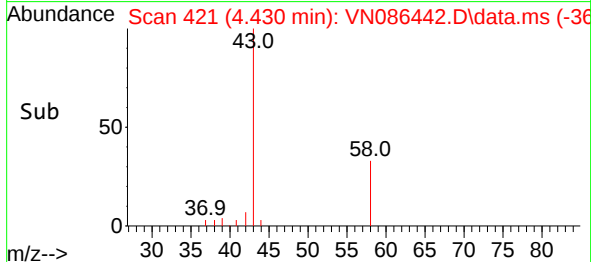
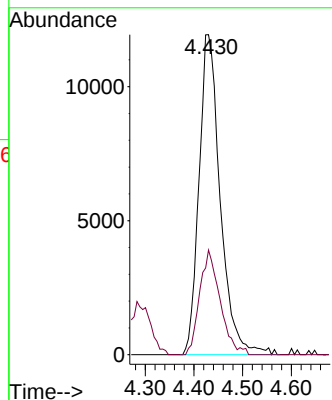
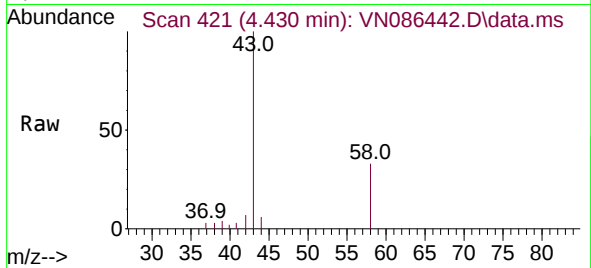




#16
Acetone
Concen: 46.342 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

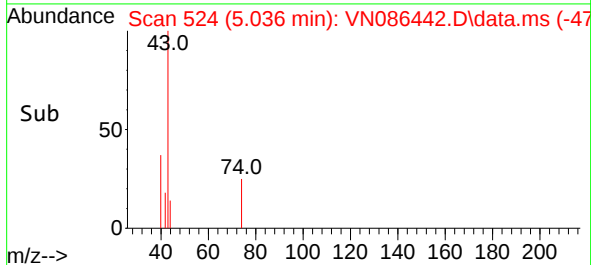
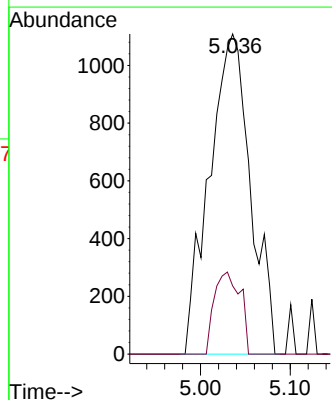
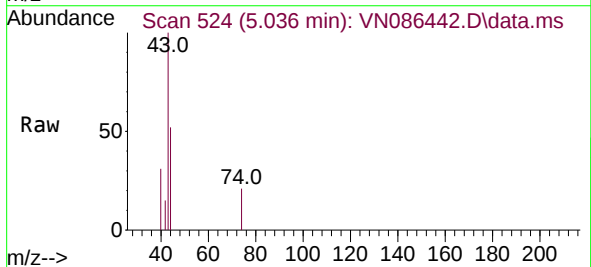
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#12

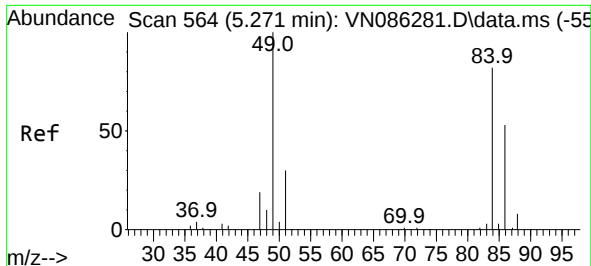
Tgt Ion: 43 Resp: 36245
Ion Ratio Lower Upper
43 100
58 32.7 25.3 37.9



#18
Methyl Acetate
Concen: 1.433 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

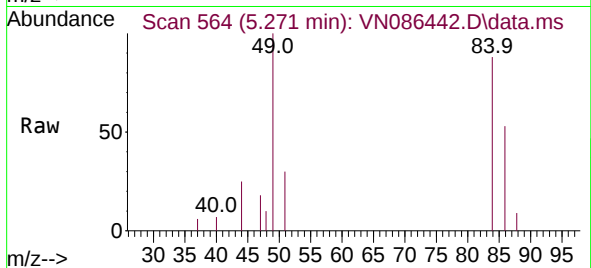
Tgt Ion: 43 Resp: 3536
Ion Ratio Lower Upper
43 100
74 16.1 19.8 29.6#



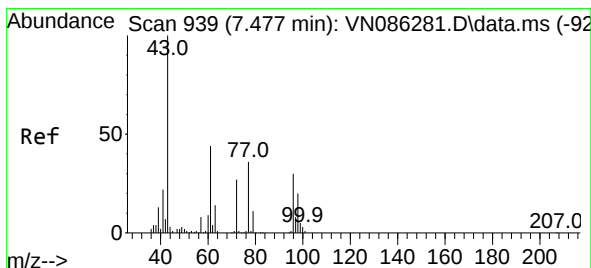
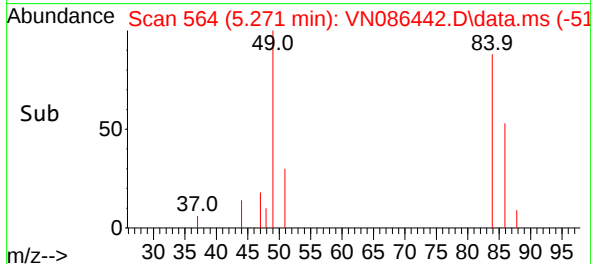
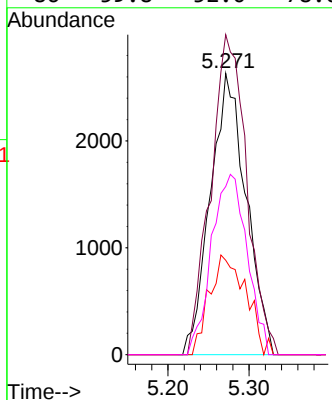


#20
Methylene Chloride
Concen: 4.247 ug/l
RT: 5.271 min Scan# 50
Delta R.T. 0.000 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#12

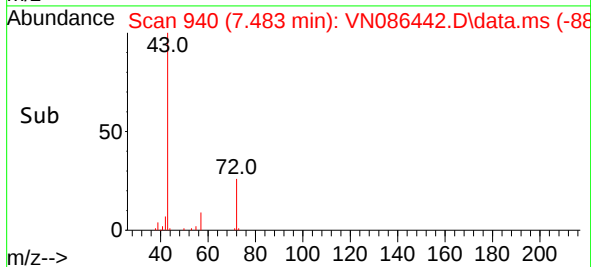
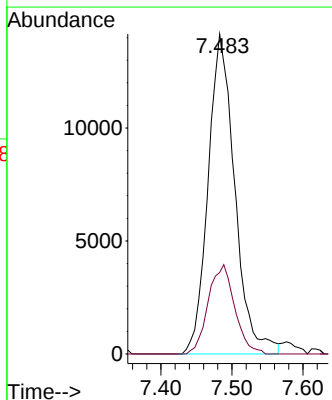
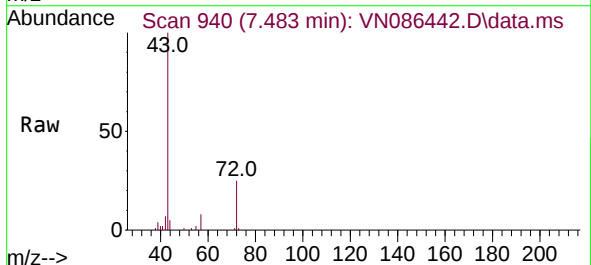


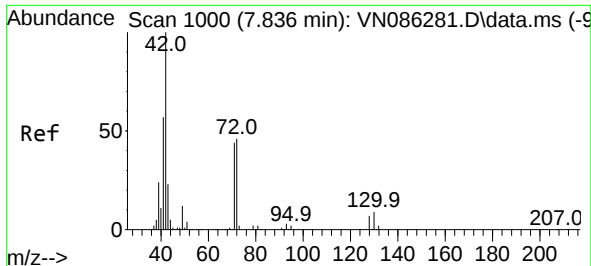
Tgt Ion:	84	Resp:	8071
Ion	Ratio	Lower	Upper
84	100		
49	113.7	98.2	147.2
51	33.6	29.8	44.6
86	59.8	52.0	78.0



#25
2-Butanone
Concen: 28.852 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

Tgt Ion:	43	Resp:	36922
Ion	Ratio	Lower	Upper
43	100		
72	25.4	21.7	32.5





#29

Tetrahydrofuran

Concen: 1.264 ug/l

RT: 7.859 min Scan# 1082

Delta R.T. 0.024 min

Lab File: VN086442.D

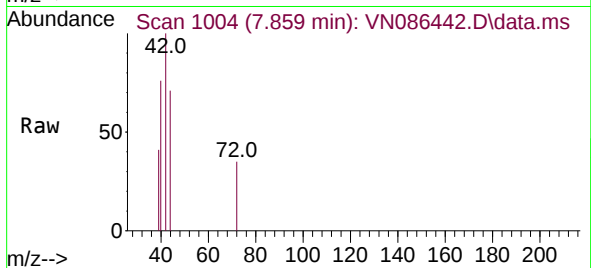
Acq: 30 Apr 2025 17:29

Instrument :

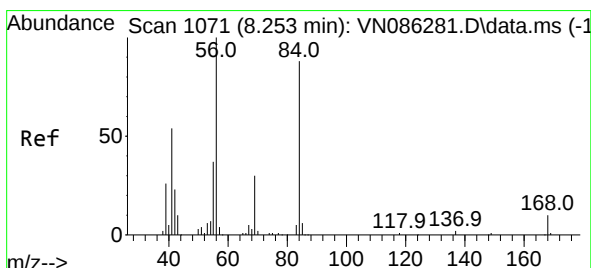
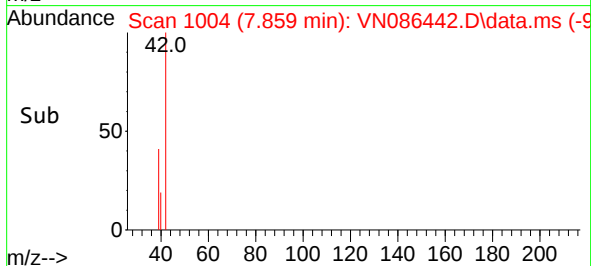
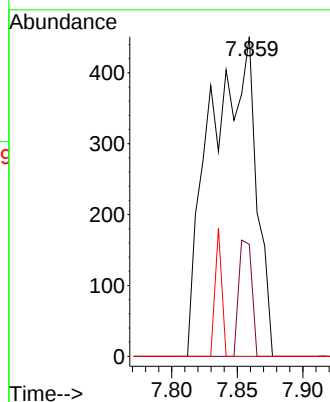
MSVOA_N

ClientSampleId :

PB167775ZHE#12



Tgt Ion:	42	Resp:	1082
Ion Ratio	100	Lower	Upper
42	100		
72	10.5	36.2	54.4#
71	0.0	34.0	51.0#



#31

Cyclohexane

Concen: 1.015 ug/l

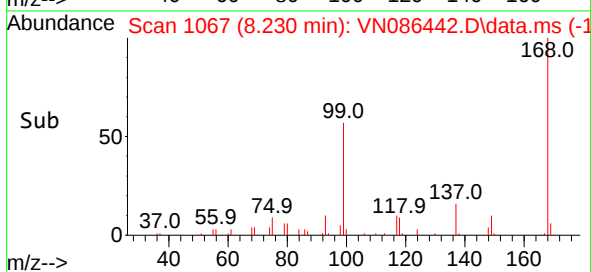
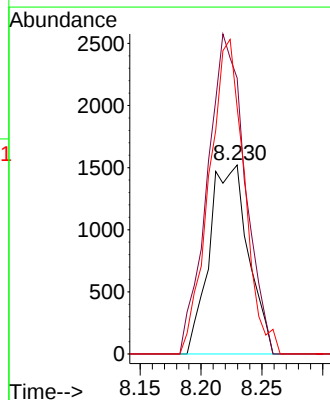
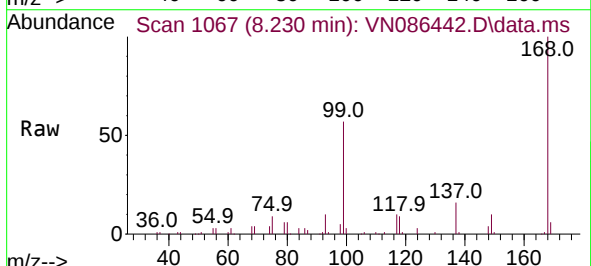
RT: 8.230 min Scan# 1067

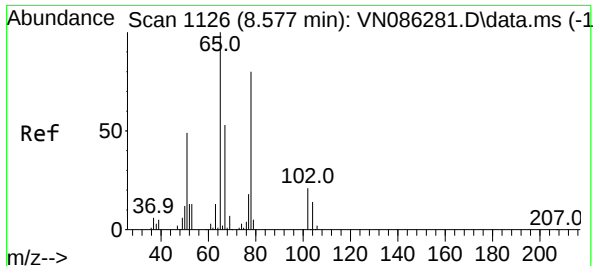
Delta R.T. -0.023 min

Lab File: VN086442.D

Acq: 30 Apr 2025 17:29

Tgt Ion:	56	Resp:	3381
Ion Ratio	100	Lower	Upper
56	100		
69	146.0	24.2	36.2#
84	130.4	70.3	105.5#





#33

1,2-Dichloroethane-d4

Concen: 50.508 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086442.D

Acq: 30 Apr 2025 17:29

Instrument :

MSVOA_N

ClientSampleId :

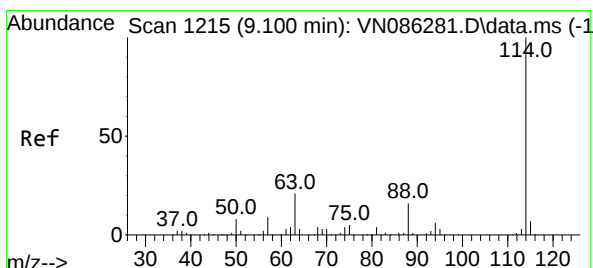
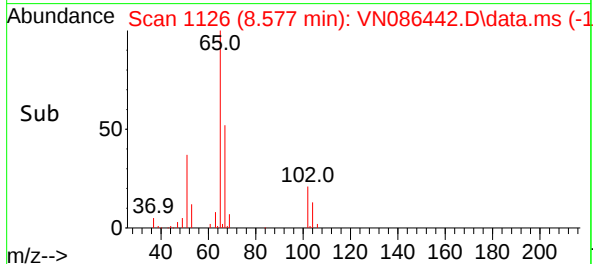
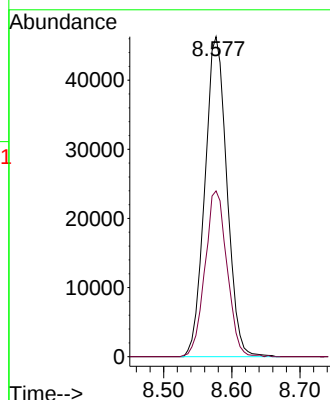
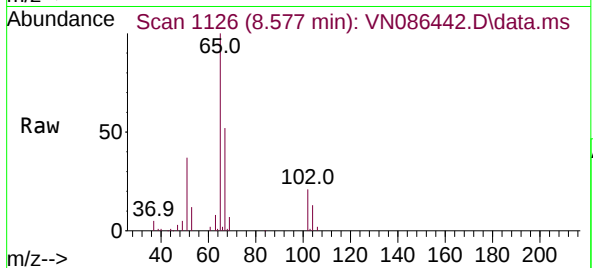
PB167775ZHE#12

Tgt Ion: 65 Resp: 103838

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086442.D

Acq: 30 Apr 2025 17:29

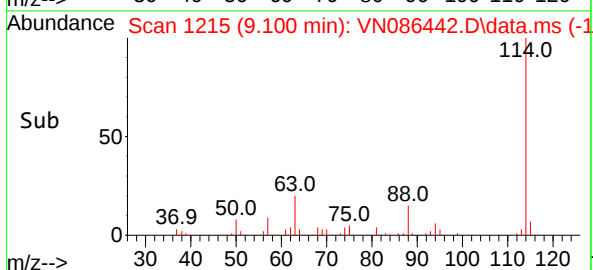
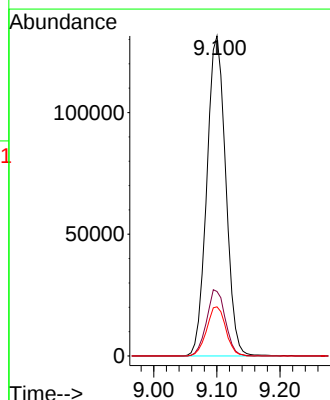
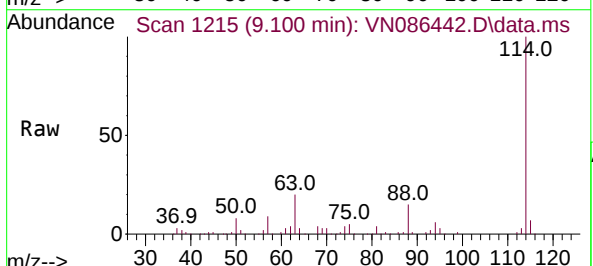
Tgt Ion: 114 Resp: 273006

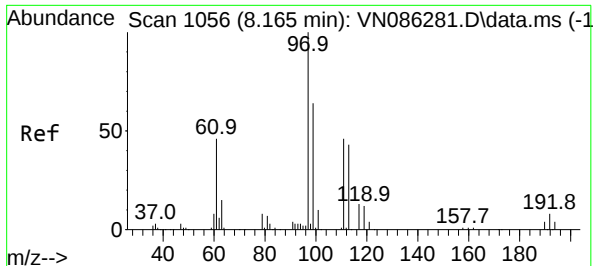
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

88 15.3 0.0 31.8

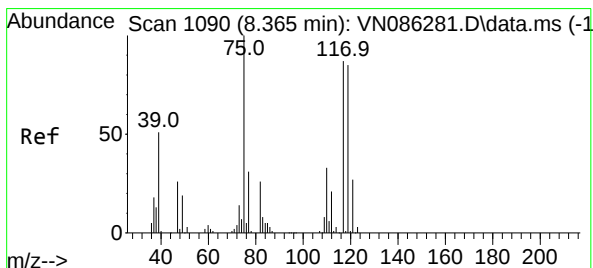
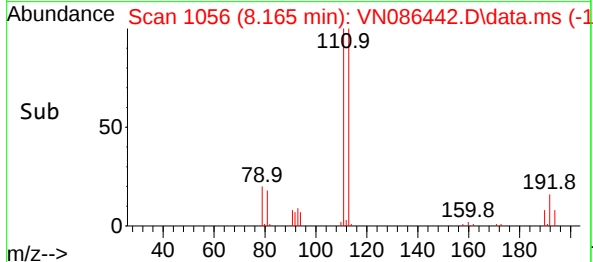
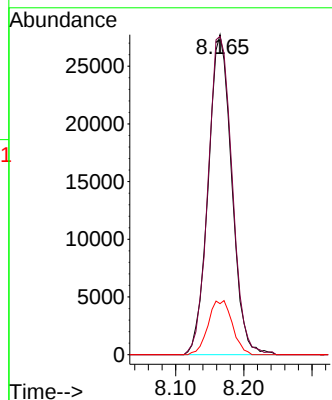
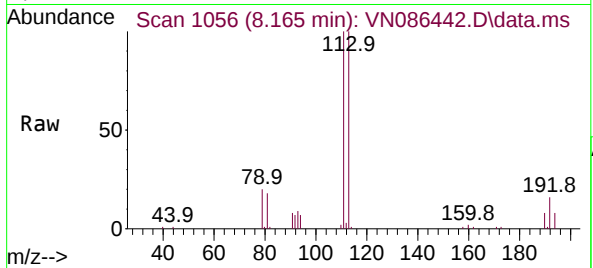




#35
Dibromofluoromethane
Concen: 52.451 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

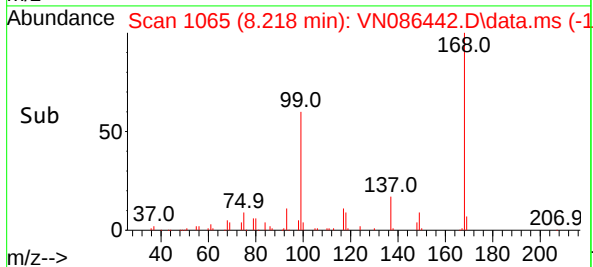
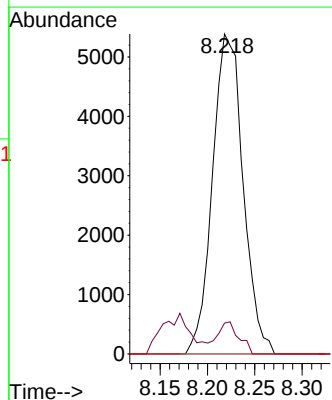
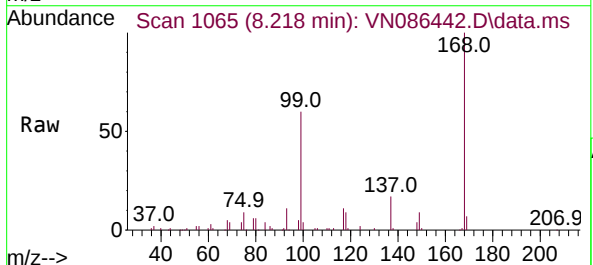
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#12

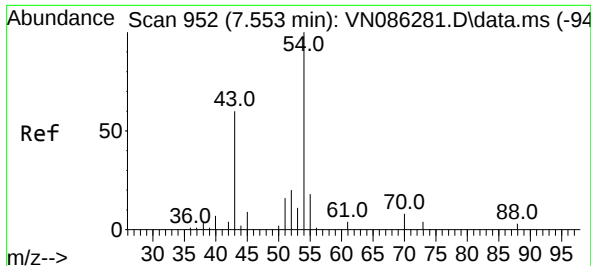
Tgt Ion:113 Resp: 66458
Ion Ratio Lower Upper
113 100
111 102.1 83.4 125.0
192 17.4 13.7 20.5



#36
1,1-Dichloropropene
Concen: 4.778 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

Tgt Ion: 75 Resp: 12093
Ion Ratio Lower Upper
75 100
110 7.0 16.8 50.4#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 13.858 ug/l

RT: 7.483 min Scan# 94

Delta R.T. -0.071 min

Lab File: VN086442.D

Acq: 30 Apr 2025 17:29

Instrument :

MSVOA_N

ClientSampleId :

PB167775ZHE#12

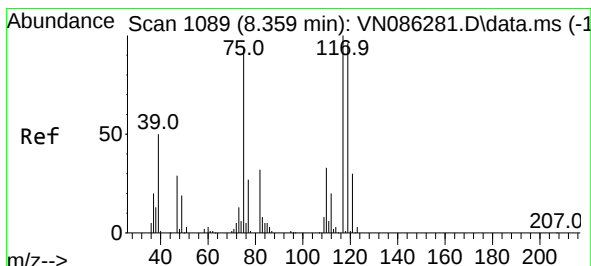
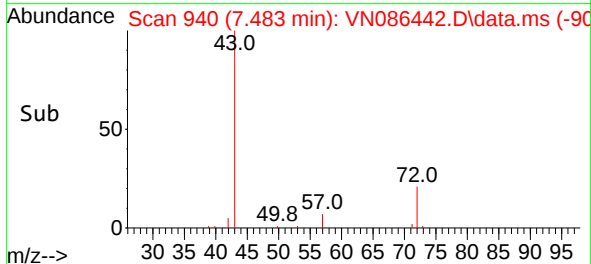
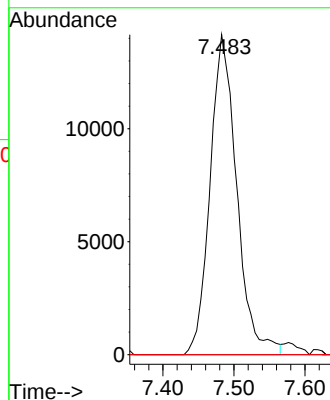
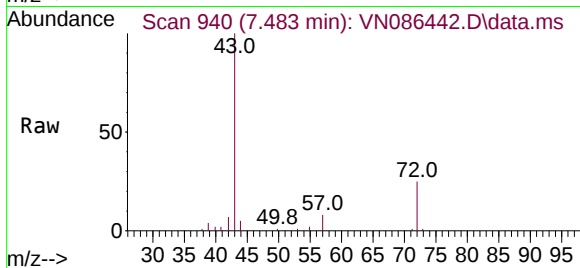
Tgt Ion: 43 Resp: 36922

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 9.2 13.8#



#38

Carbon Tetrachloride

Concen: 6.017 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086442.D

Acq: 30 Apr 2025 17:29

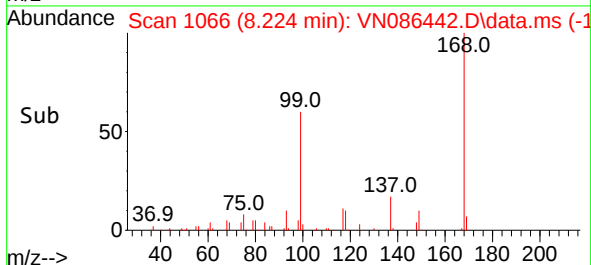
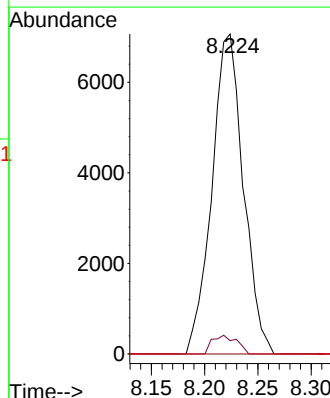
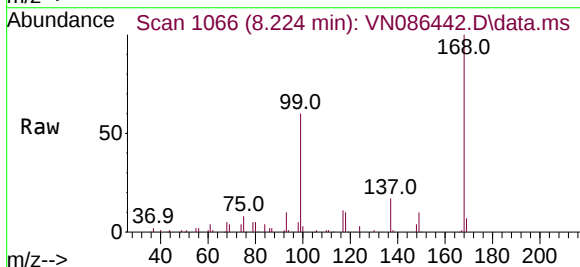
Tgt Ion: 117 Resp: 14501

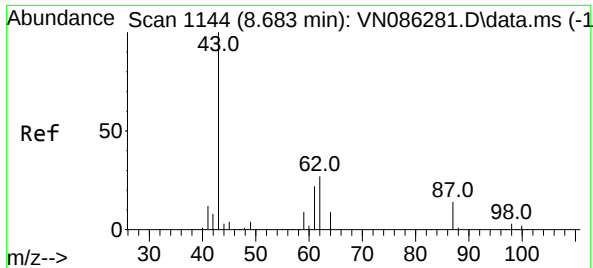
Ion Ratio Lower Upper

117 100

119 4.2 76.8 115.2#

121 0.0 23.8 35.8#

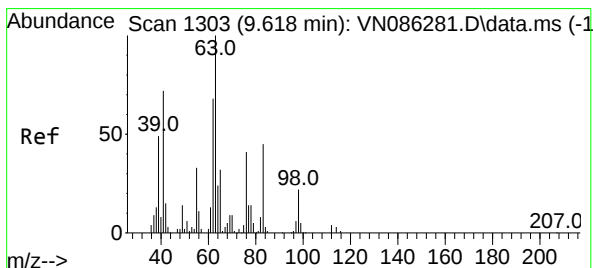
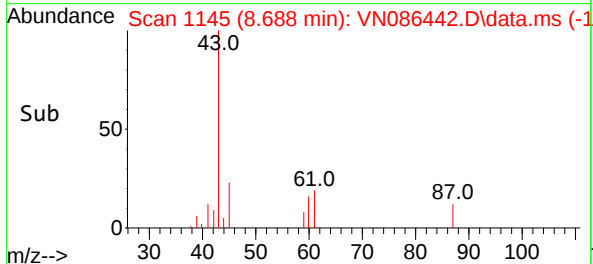
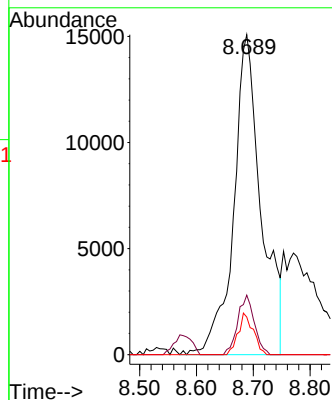
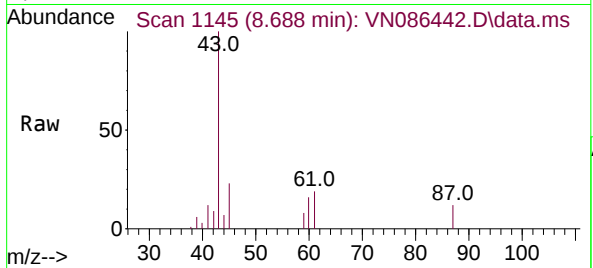




#43
Isopropyl Acetate
Concen: 8.873 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.005 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

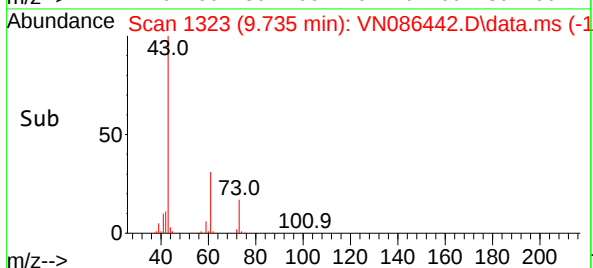
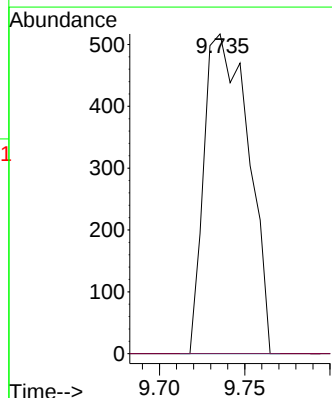
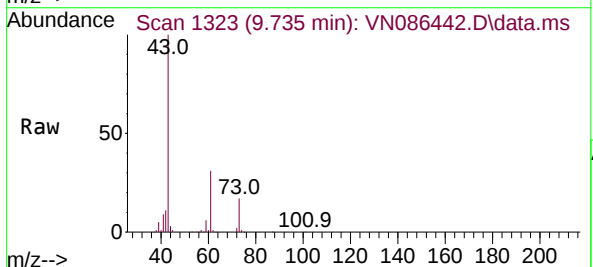
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#12

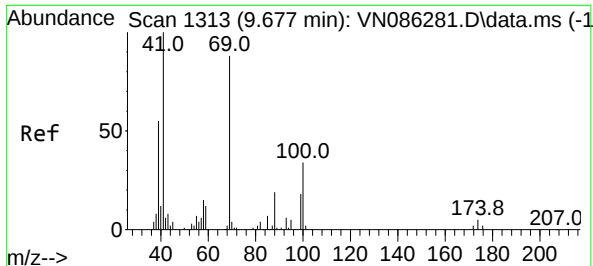
Tgt Ion: 43 Resp: 50553
Ion Ratio Lower Upper
43 100
61 11.3 20.5 30.7#
87 7.1 10.5 15.7#



#45
1,2-Dichloropropane
Concen: 0.469 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

Tgt Ion: 63 Resp: 931
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#





#48

Methyl methacrylate

Concen: 2.069 ug/l

RT: 9.647 min Scan# 1

Delta R.T. -0.029 min

Lab File: VN086442.D

Acq: 30 Apr 2025 17:29

Instrument :

MSVOA_N

ClientSampleId :

PB167775ZHE#12

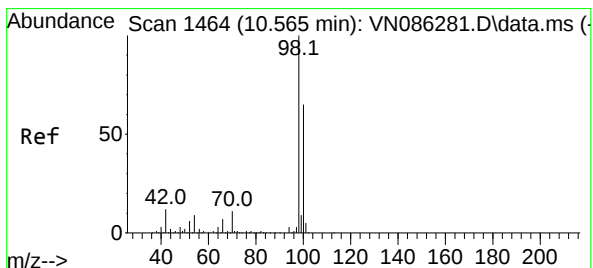
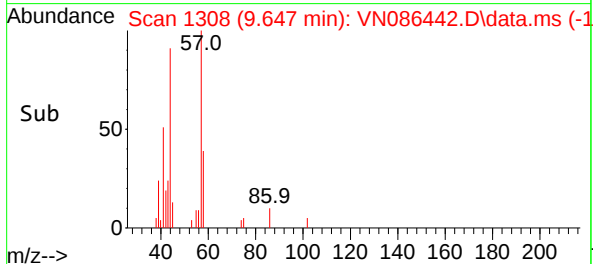
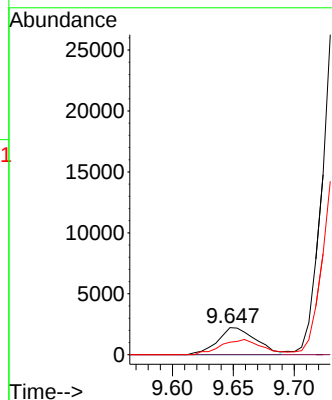
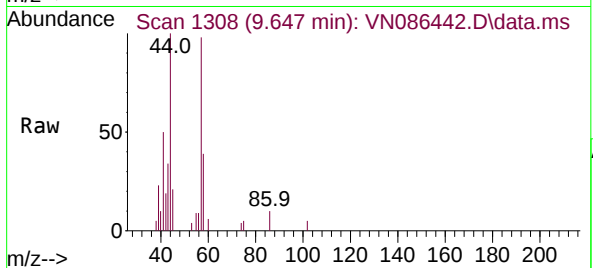
Tgt Ion: 41 Resp: 4840

Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 60.6 45.2 67.8



#50

Toluene-d8

Concen: 52.010 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086442.D

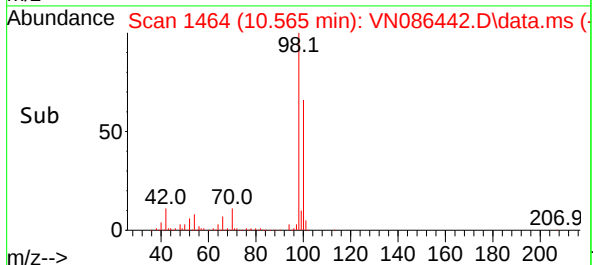
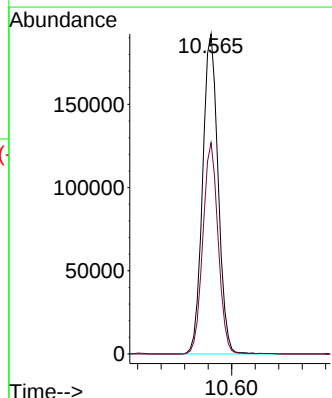
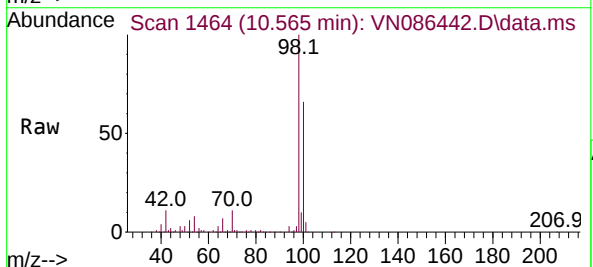
Acq: 30 Apr 2025 17:29

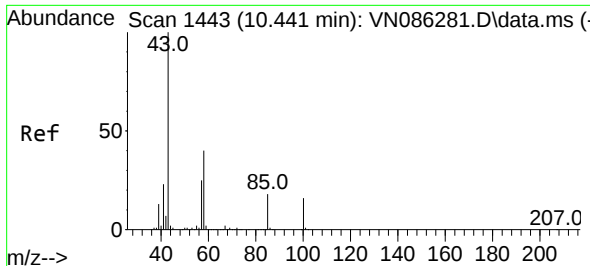
Tgt Ion: 98 Resp: 352200

Ion Ratio Lower Upper

98 100

100 65.0 52.5 78.7

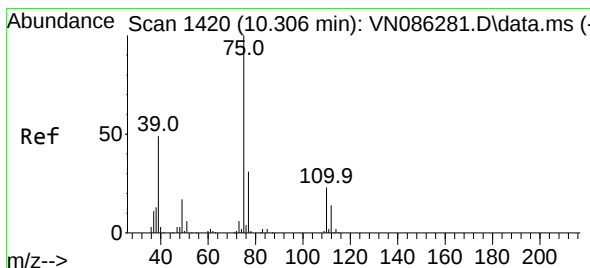
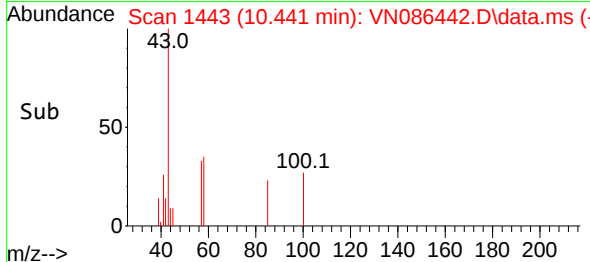
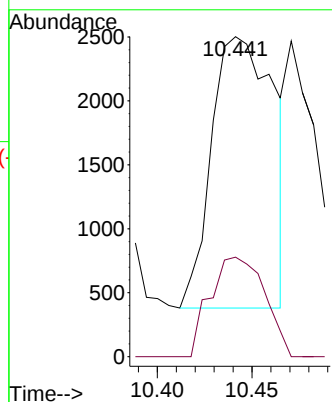
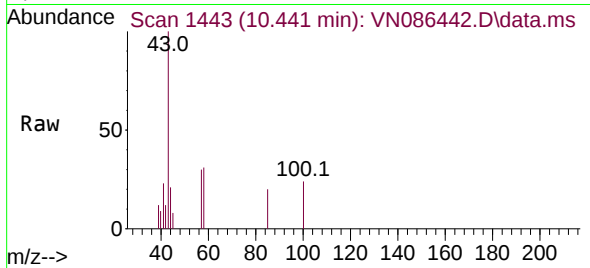




#51
4-Methyl-2-Pentanone
Concen: 1.775 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

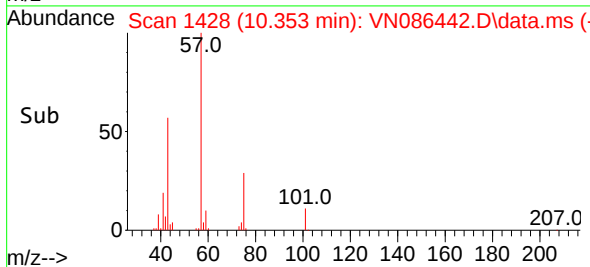
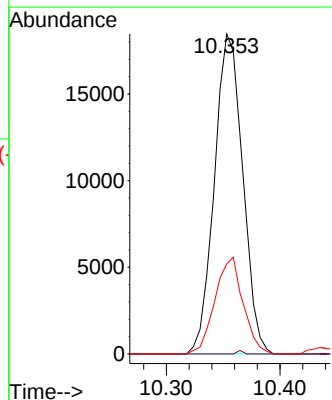
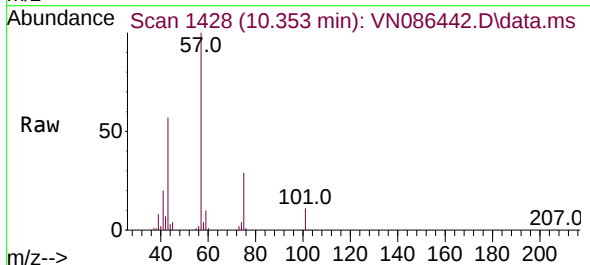
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#12

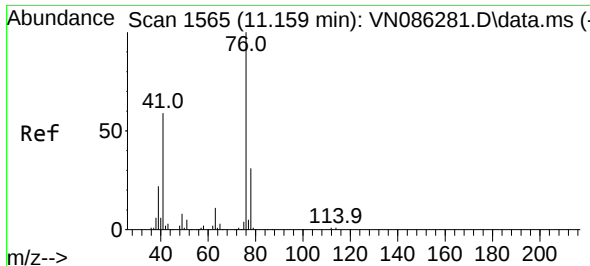
Tgt Ion: 43 Resp: 4842
Ion Ratio Lower Upper
43 100
58 32.3 32.2 48.4



#54
cis-1,3-Dichloropropene
Concen: 9.552 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

Tgt Ion: 75 Resp: 31988
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 28.2 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.971 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086442.D

Acq: 30 Apr 2025 17:29

Instrument :

MSVOA_N

ClientSampleId :

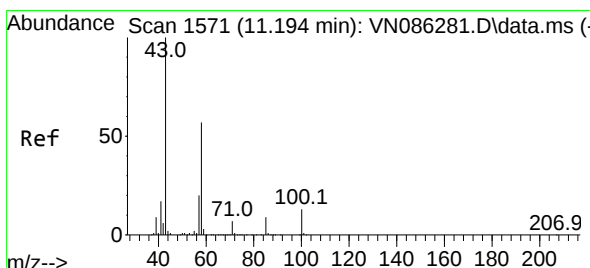
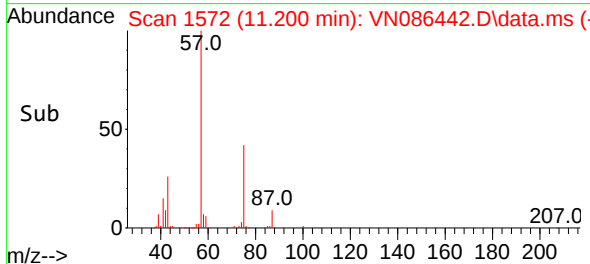
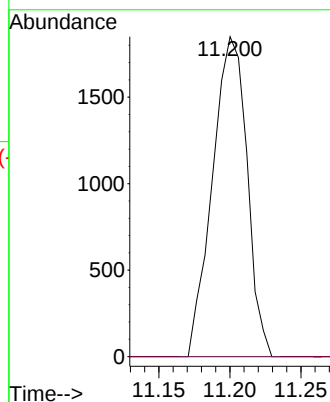
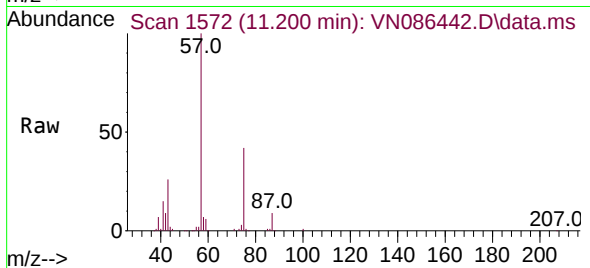
PB167775ZHE#12

Tgt Ion: 76 Resp: 3135

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 41.472 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086442.D

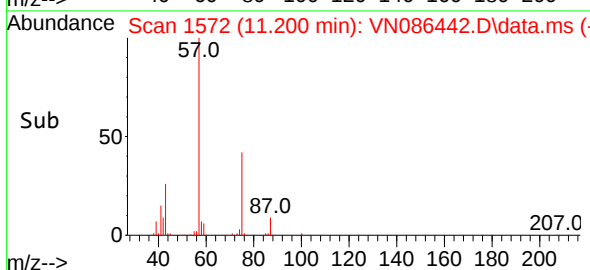
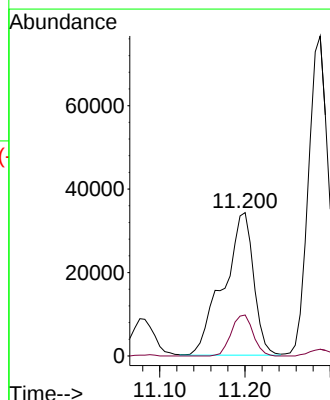
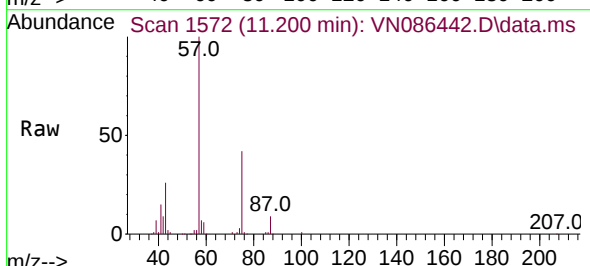
Acq: 30 Apr 2025 17:29

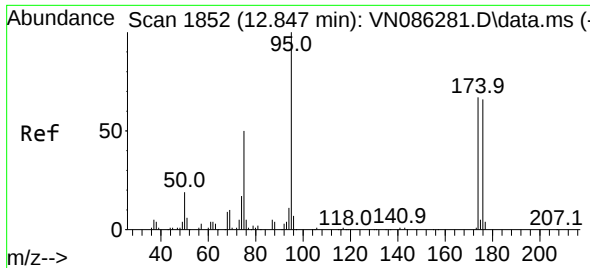
Tgt Ion: 43 Resp: 83925

Ion Ratio Lower Upper

43 100

58 21.0 28.3 85.0#

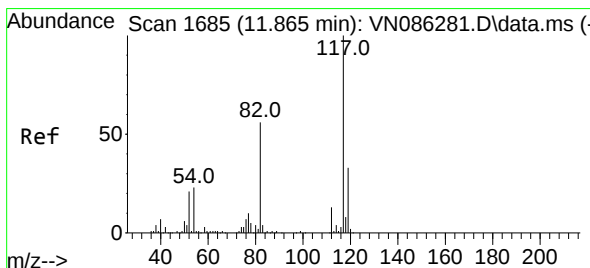
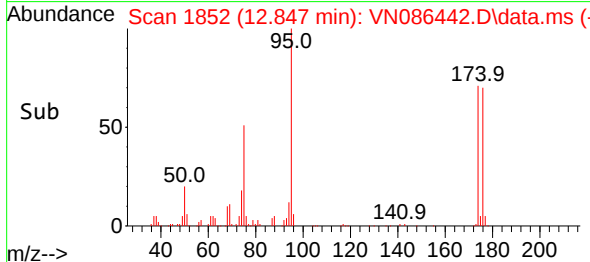
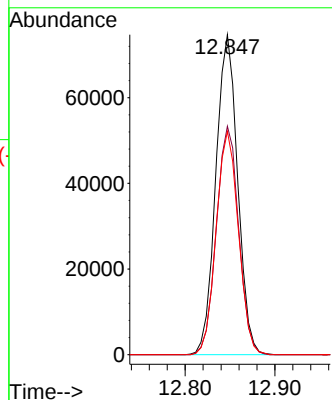
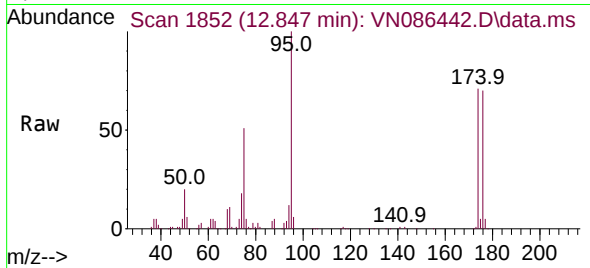




#62
4-Bromofluorobenzene
Concen: 51.107 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

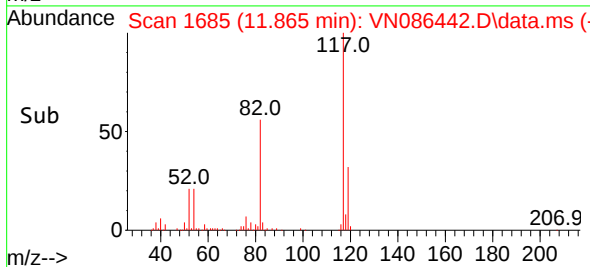
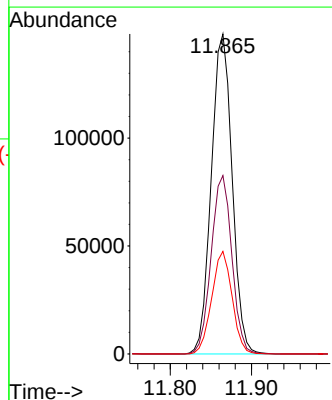
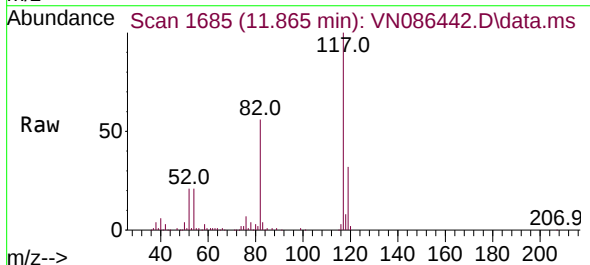
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#12

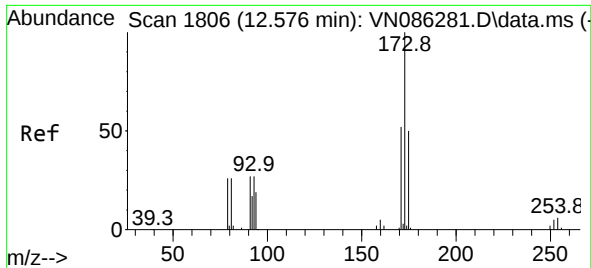
Tgt Ion: 95 Resp: 126231
Ion Ratio Lower Upper
95 100
174 72.7 0.0 133.4
176 71.2 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

Tgt Ion: 117 Resp: 264203
Ion Ratio Lower Upper
117 100
82 55.8 44.7 67.1
119 32.1 26.4 39.6

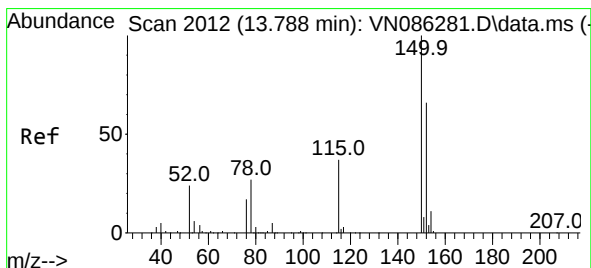
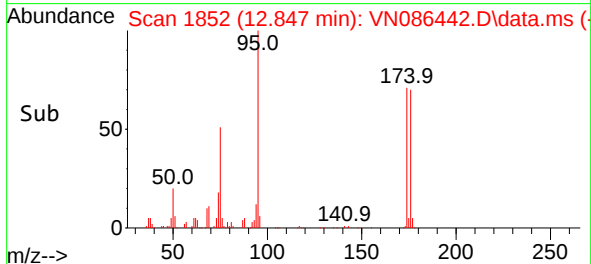
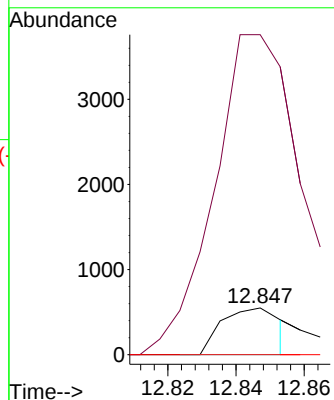
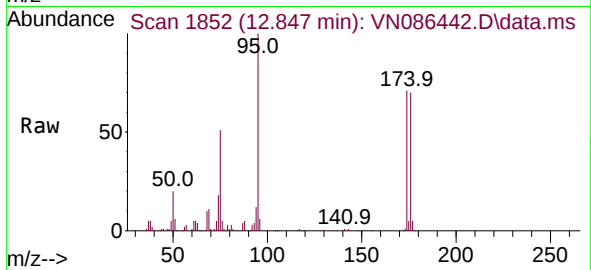




#71
Bromoform
Concen: 0.447 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

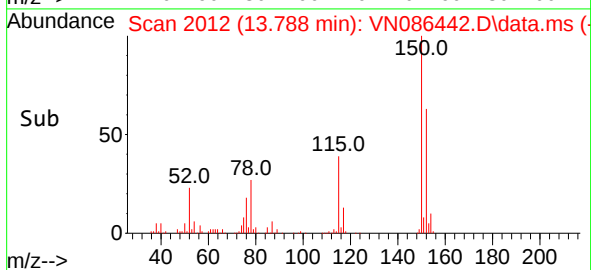
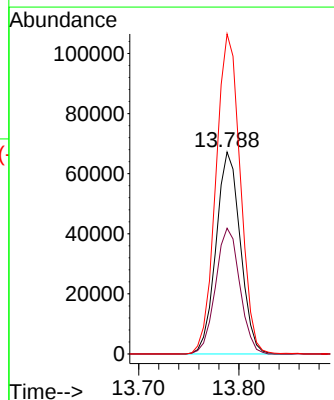
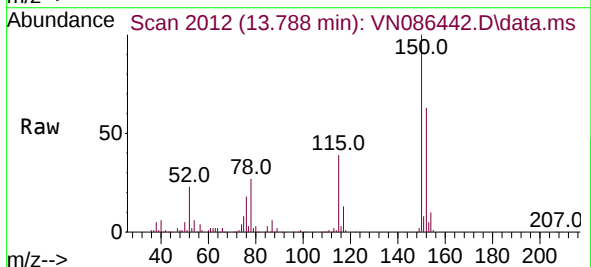
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#12

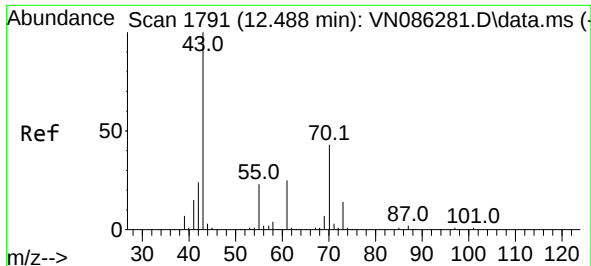
Tgt Ion:173 Resp: 655
Ion Ratio Lower Upper
173 100
175 810.2 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

Tgt Ion:152 Resp: 112841
Ion Ratio Lower Upper
152 100
115 62.3 31.9 95.9
150 159.5 0.0 352.0

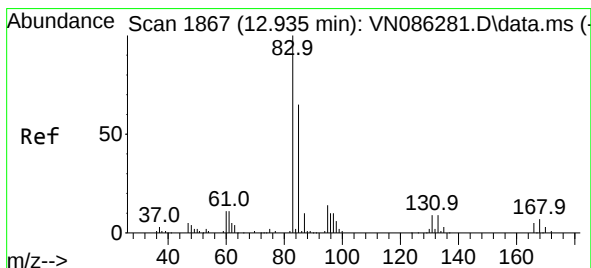
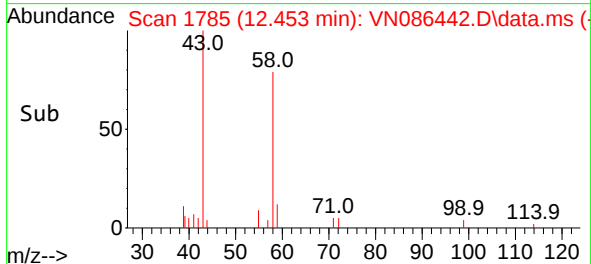
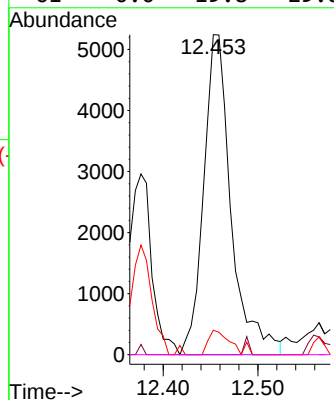
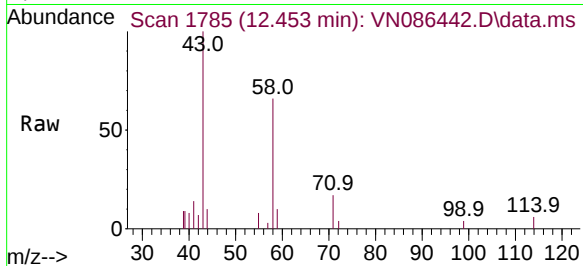




#74
N-amy1 acetate
Concen: 2.298 ug/l
RT: 12.453 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

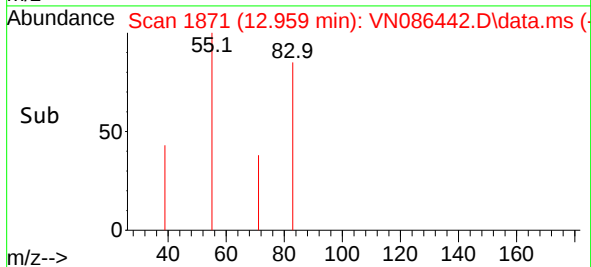
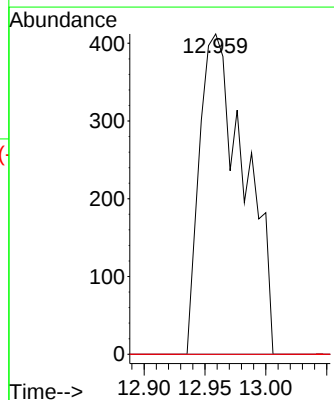
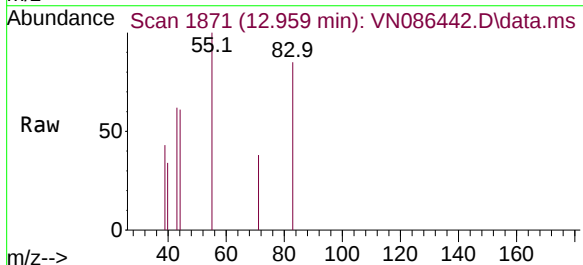
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#12

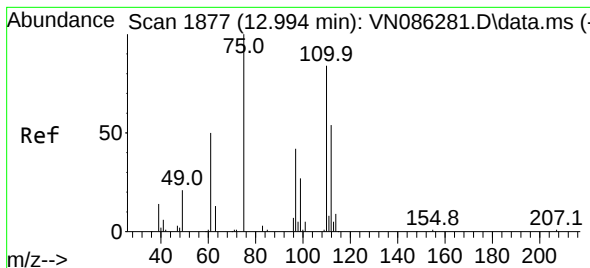
Tgt Ion: 43	Resp: 10562
Ion Ratio	Lower Upper
43 100	
70 0.0	35.0 52.4#
55 5.5	19.0 28.4#
61 0.0	19.8 29.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.400 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.024 min
Lab File: VN086442.D
Acq: 30 Apr 2025 17:29

Tgt Ion: 83	Resp: 1061
Ion Ratio	Lower Upper
83 100	
131 0.0	4.7 14.1#
85 0.0	32.7 98.1#





#76

1,2,3-Trichloropropane

Concen: 24.385 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086442.D

Acq: 30 Apr 2025 17:29

Instrument :

MSVOA_N

ClientSampleId :

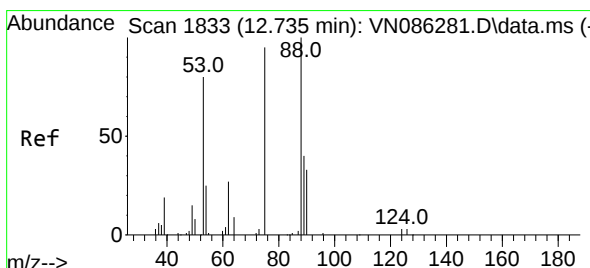
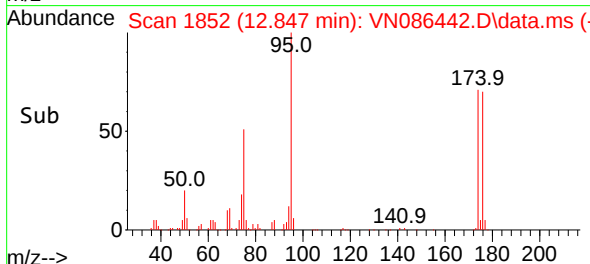
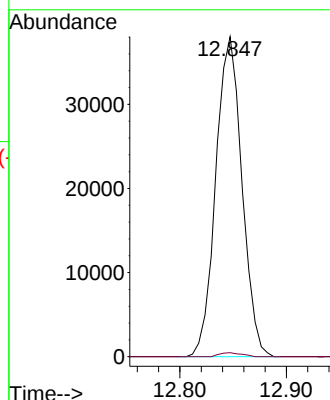
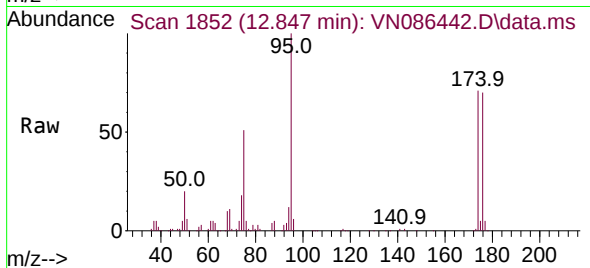
PB167775ZHE#12

Tgt Ion: 75 Resp: 64933

Ion Ratio Lower Upper

75 100

77 1.1 98.8 296.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.563 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN086442.D

Acq: 30 Apr 2025 17:29

Tgt Ion: 75 Resp: 64933

Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

89 0.0 35.7 53.5#

