

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041825\
 Data File : VN086351.D
 Acq On : 18 Apr 2025 18:08
 Operator : JC\MD
 Sample : PB167623ZHE#16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167623ZHE#16

Quant Time: Apr 19 02:29:38 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

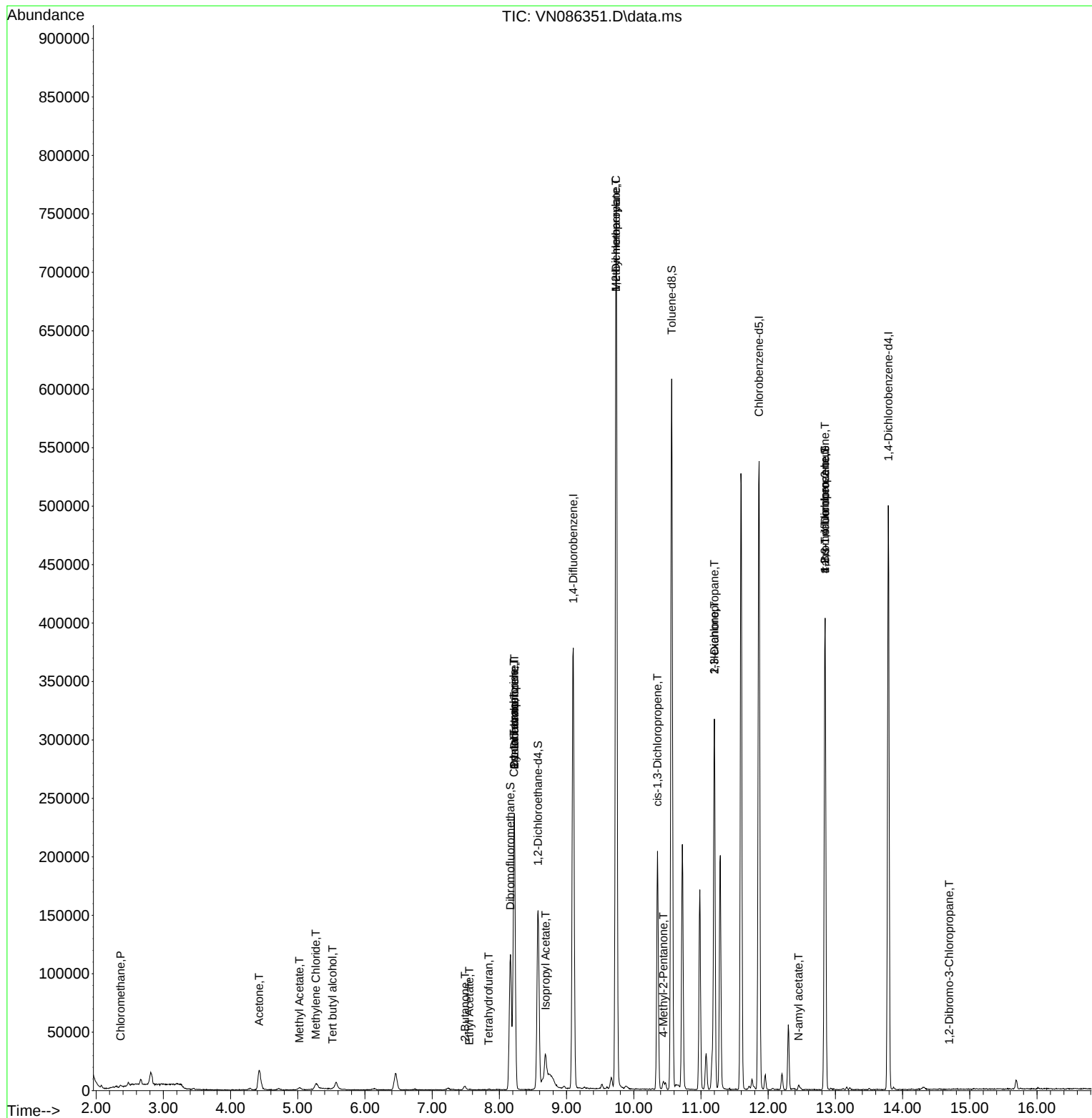
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	170329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	335120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	310078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	133591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129709	52.515	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.040%	
35) Dibromofluoromethane	8.165	113	86920	55.885	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.780%	
50) Toluene-d8	10.565	98	420928	50.638	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.280%	
62) 4-Bromofluorobenzene	12.847	95	153160	50.516	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.040%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1009	0.344	ug/l #	88
11) Tert butyl alcohol	5.518	59	524	1.163	ug/l #	72
16) Acetone	4.424	43	33343	34.117	ug/l	99
18) Methyl Acetate	5.024	43	4414	1.489	ug/l #	78
20) Methylene Chloride	5.271	84	3886	1.702	ug/l #	91
25) 2-Butanone	7.488	43	5910	3.844	ug/l #	81
29) Tetrahydrofuran	7.841	42	246	0.239	ug/l #	32
31) Cyclohexane	8.224	56	4198	1.049	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14617	4.705	ug/l #	50
37) Ethyl Acetate	7.553	43	798	0.244	ug/l #	68
38) Carbon Tetrachloride	8.218	117	17536	5.928	ug/l #	15
43) Isopropyl Acetate	8.688	43	49774	6.737	ug/l #	74
45) 1,2-Dichloropropane	9.735	63	1060	0.435	ug/l #	43
48) Methyl methacrylate	9.735	41	68009	23.679	ug/l #	42
51) 4-Methyl-2-Pentanone	10.441	43	4760	1.421	ug/l	98
54) cis-1,3-Dichloropropene	10.353	75	37411	9.101	ug/l #	59
57) 1,3-Dichloropropane	11.200	76	3367	0.849	ug/l #	43
59) 2-Hexanone	11.200	43	68373	27.524	ug/l #	40
74) N-amyl acetate	12.453	43	3755	0.690	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	78240	24.818	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78240	59.604	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.694	75	353	0.557	ug/l #	5

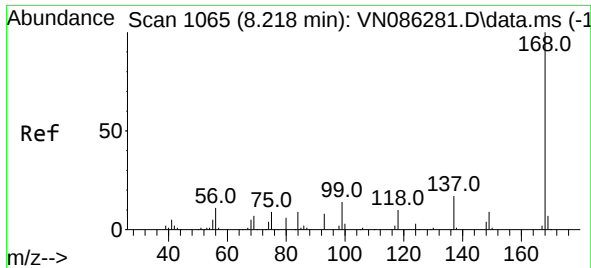
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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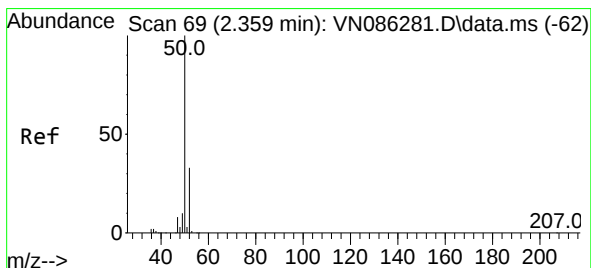
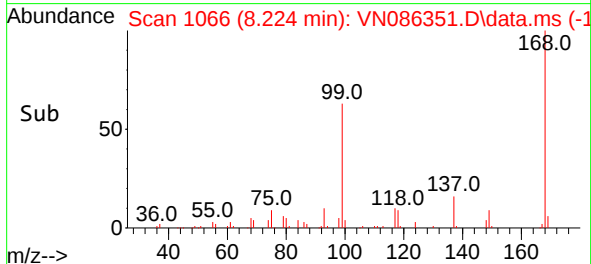
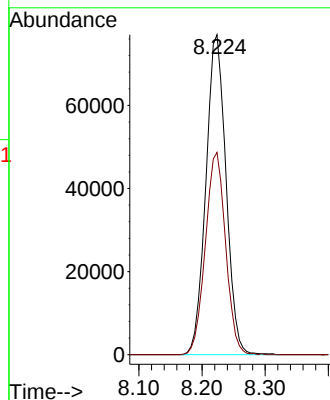
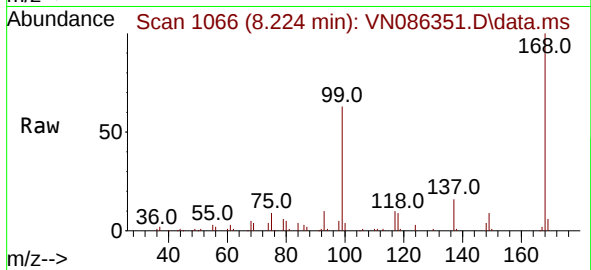




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

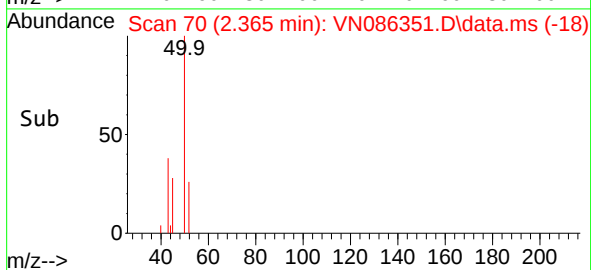
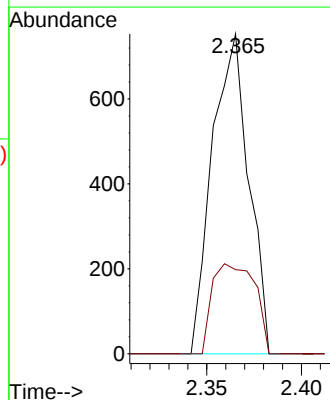
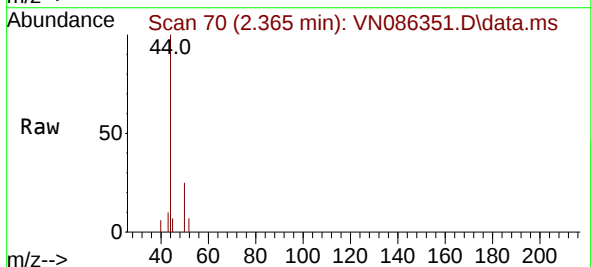
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#16

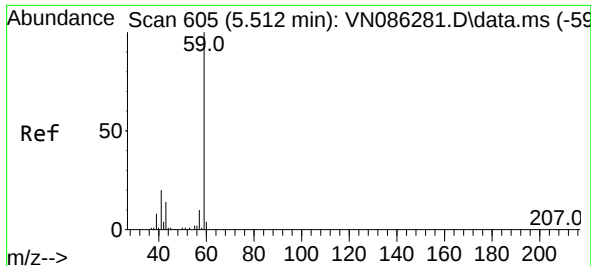
Tgt Ion:168 Resp: 170329
Ion Ratio Lower Upper
168 100
99 63.2 52.5 78.7



#3
Chloromethane
Concen: 0.344 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

Tgt Ion: 50 Resp: 1009
Ion Ratio Lower Upper
50 100
52 26.3 26.5 39.7#

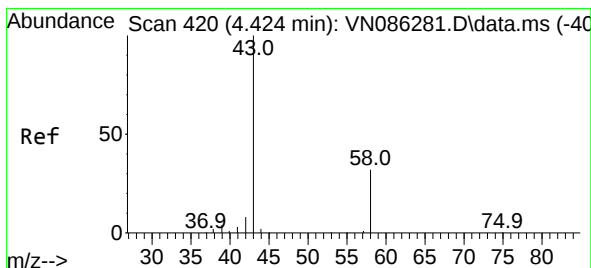
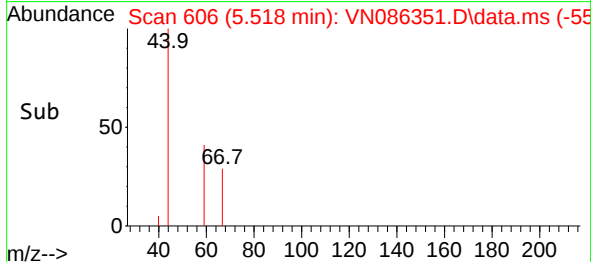
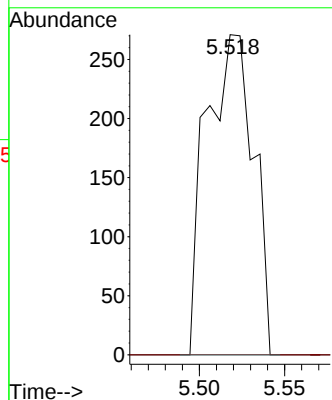
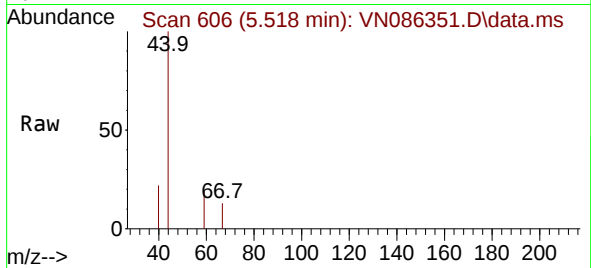




#11
Tert butyl alcohol
Concen: 1.163 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

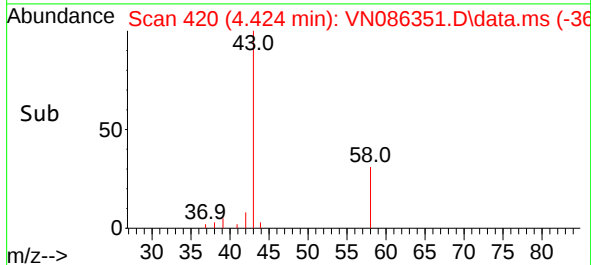
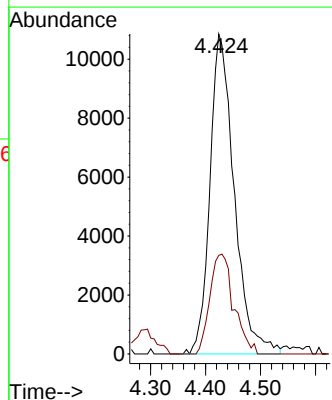
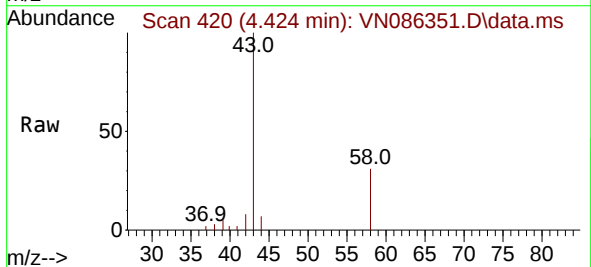
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#16

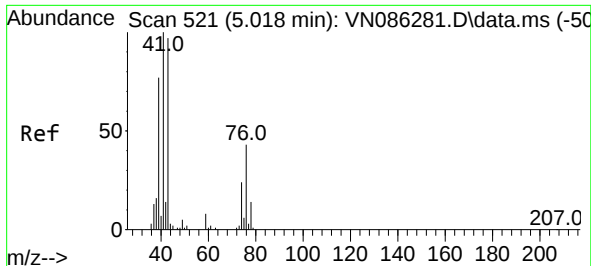
Tgt Ion: 59 Resp: 524
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 34.117 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

Tgt Ion: 43 Resp: 33343
Ion Ratio Lower Upper
43 100
58 30.8 25.3 37.9

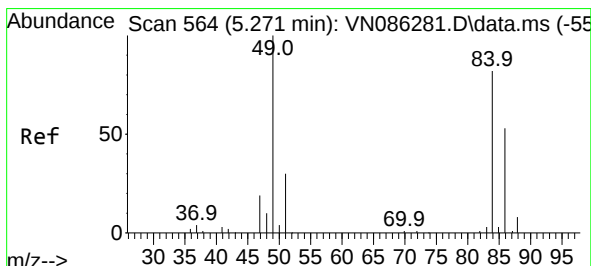
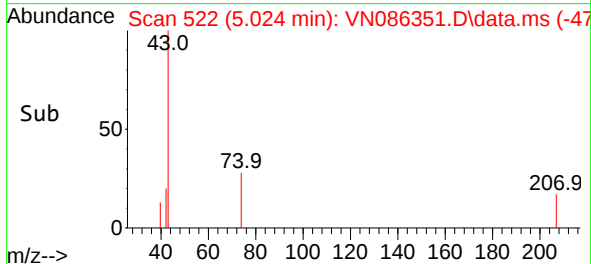
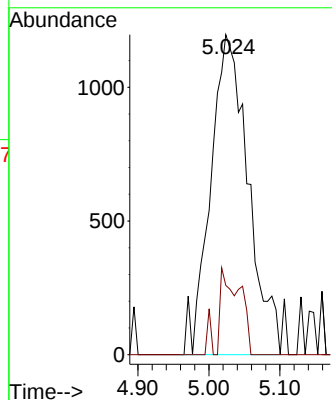
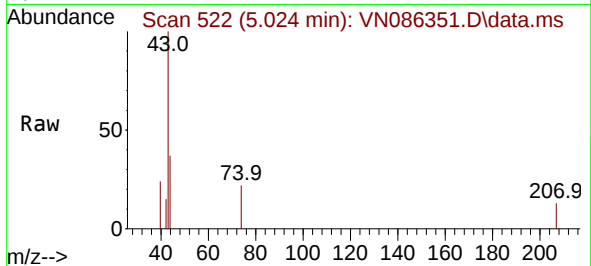




#18
Methyl Acetate
Concen: 1.489 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

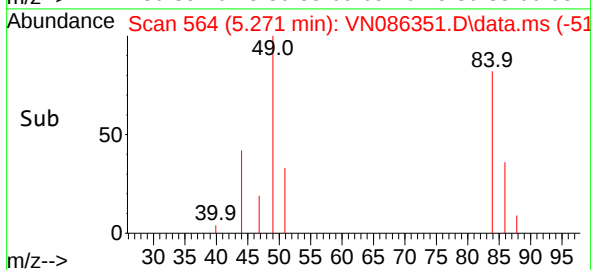
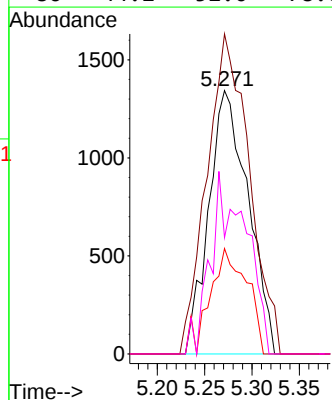
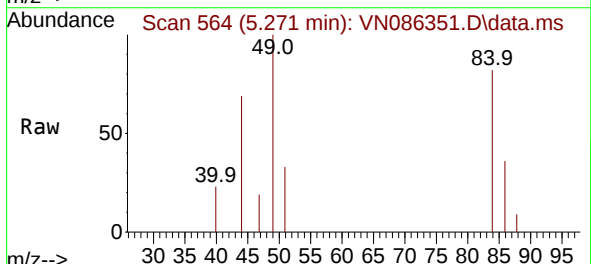
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#16

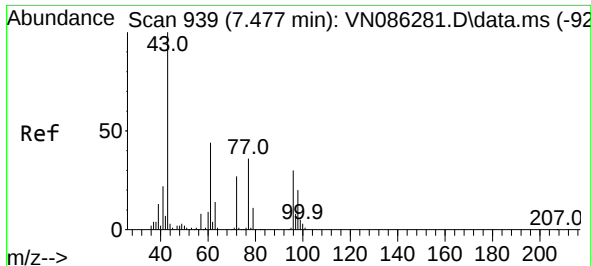
Tgt Ion: 43 Resp: 4414
Ion Ratio Lower Upper
43 100
74 13.7 19.8 29.6#



#20
Methylene Chloride
Concen: 1.702 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

Tgt Ion: 84 Resp: 3886
Ion Ratio Lower Upper
84 100
49 121.5 98.2 147.2
51 40.1 29.8 44.6
86 44.2 52.0 78.0#

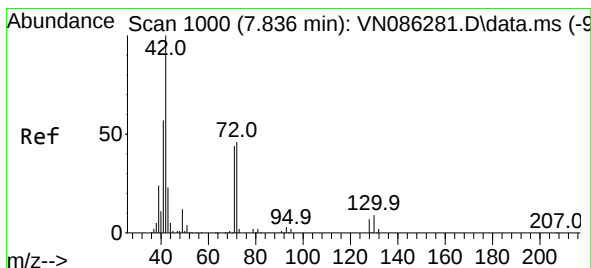
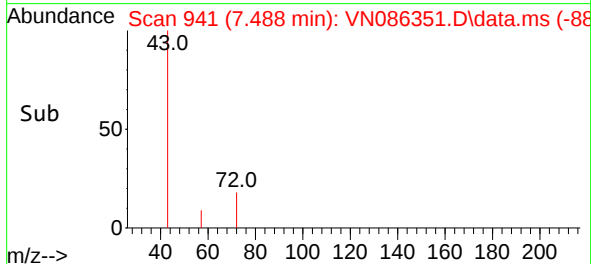
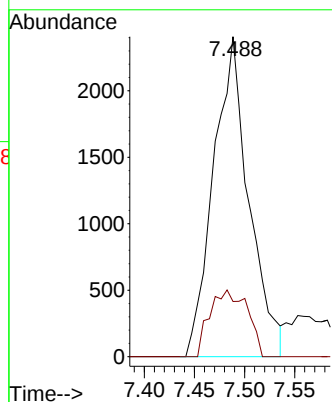
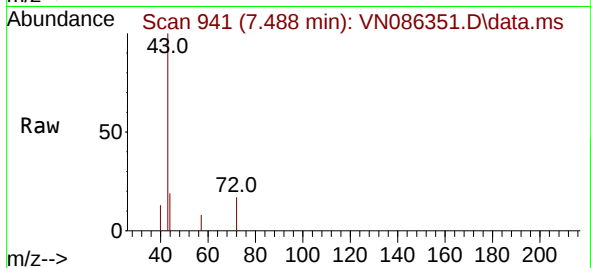




#25
2-Butanone
Concen: 3.844 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

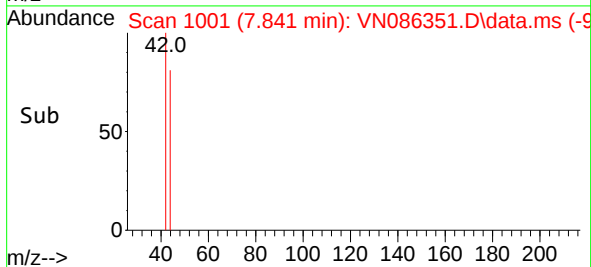
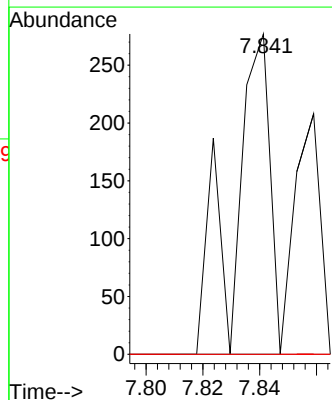
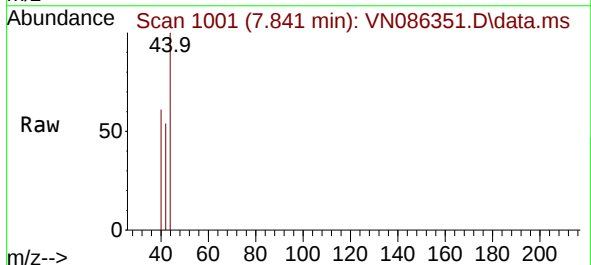
Instrument :
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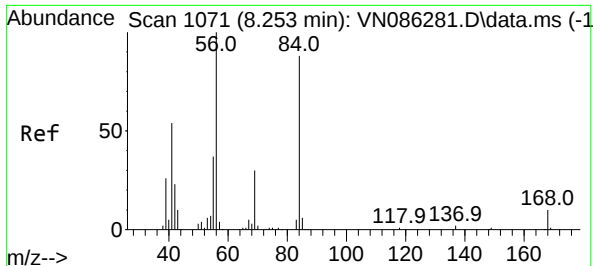
Tgt Ion: 43 Resp: 5910
Ion Ratio Lower Upper
43 100
72 17.2 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.239 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

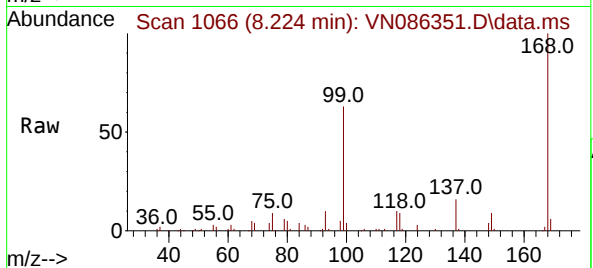
Tgt Ion: 42 Resp: 246
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 0.0 34.0 51.0#



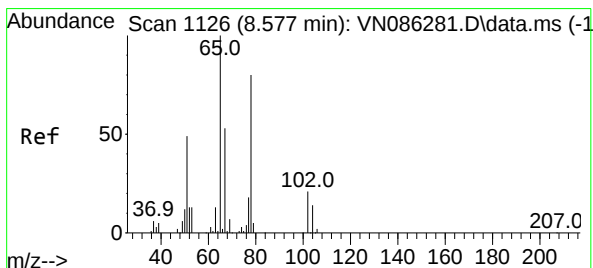
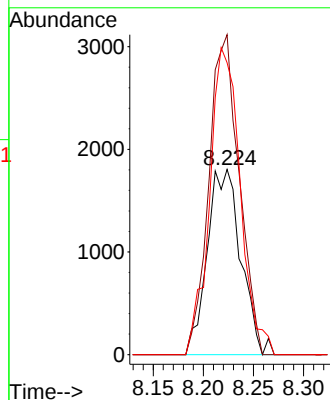
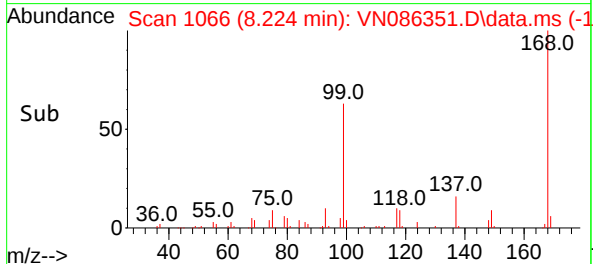


#31
Cyclohexane
Concen: 1.049 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

Instrument :
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ClientSampleId :
PB167623ZHE#16

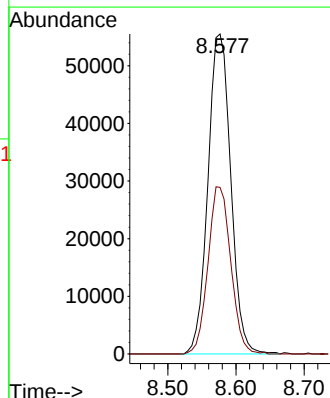
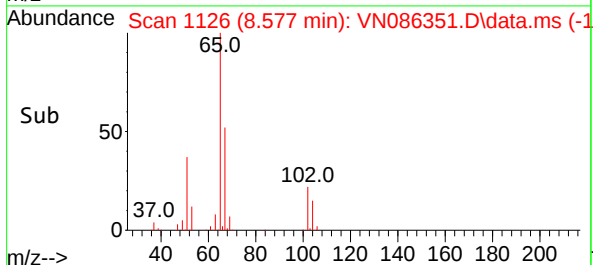
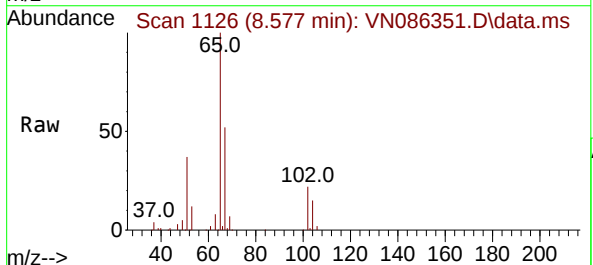


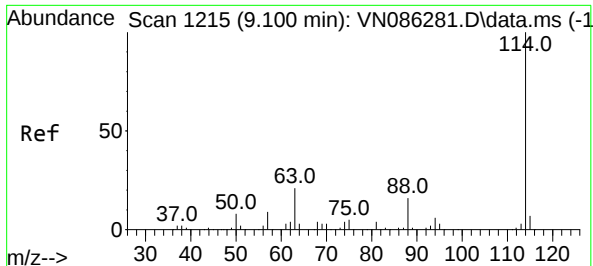
Tgt Ion: 56 Resp: 4198
Ion Ratio Lower Upper
56 100
69 172.8 24.2 36.2#
84 157.6 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 52.515 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

Tgt Ion: 65 Resp: 129709
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.0

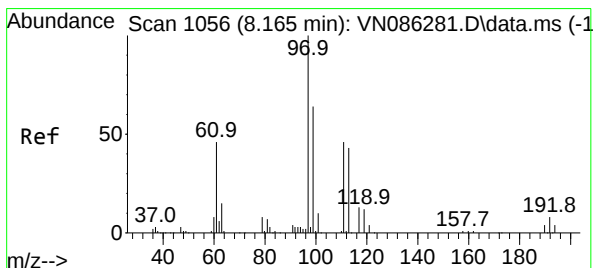
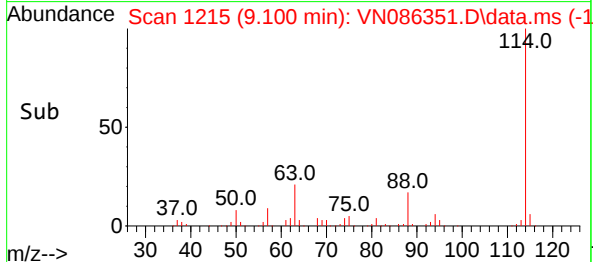
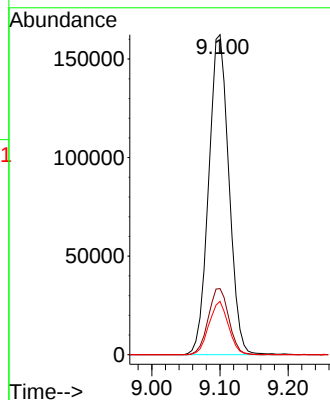
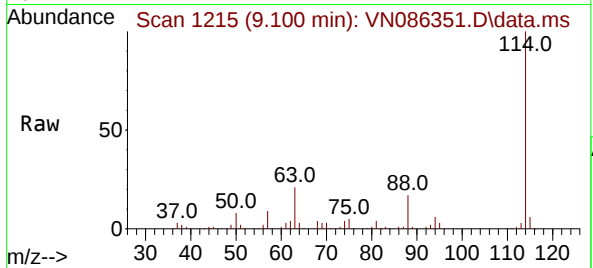




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

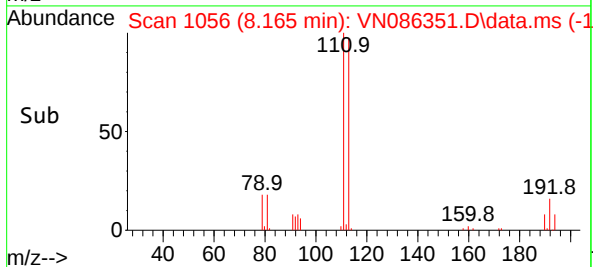
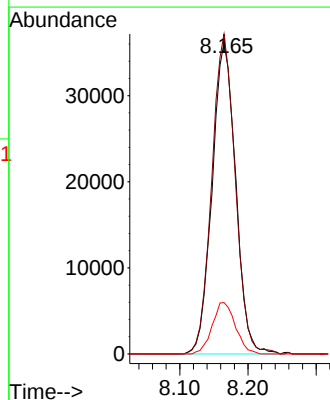
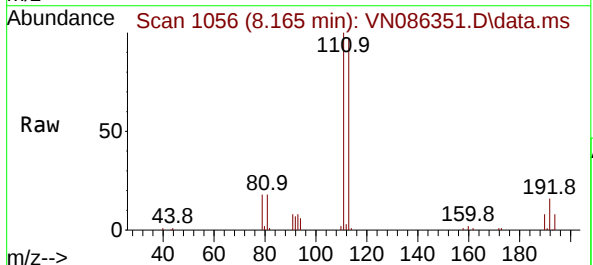
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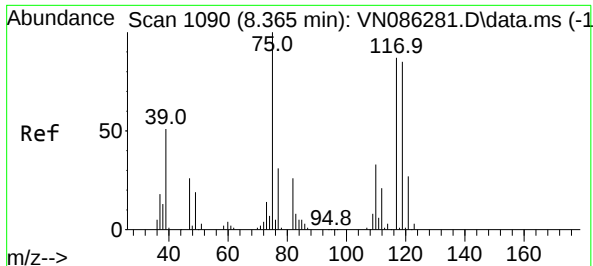
Tgt Ion:114 Resp: 335120
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 16.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 55.885 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

Tgt Ion:113 Resp: 86920
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.0
192 16.3 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.705 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086351.D

Acq: 18 Apr 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

PB167623ZHE#16

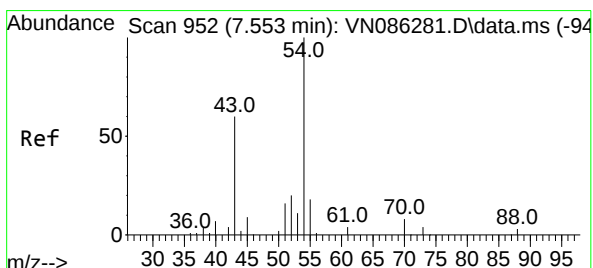
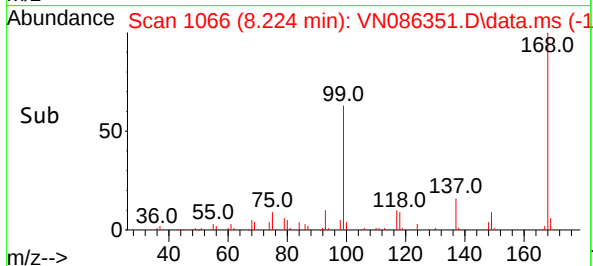
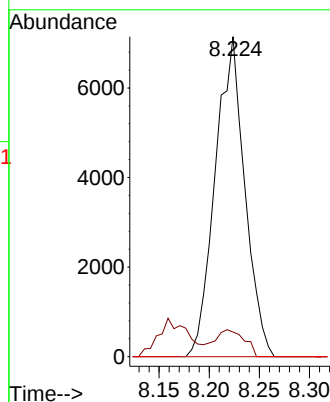
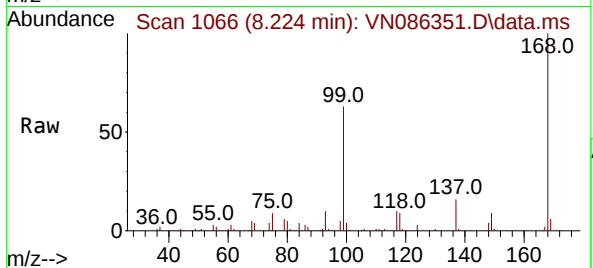
Tgt Ion: 75 Resp: 14617

Ion Ratio Lower Upper

75 100

110 8.5 16.8 50.4#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 0.244 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.000 min

Lab File: VN086351.D

Acq: 18 Apr 2025 18:08

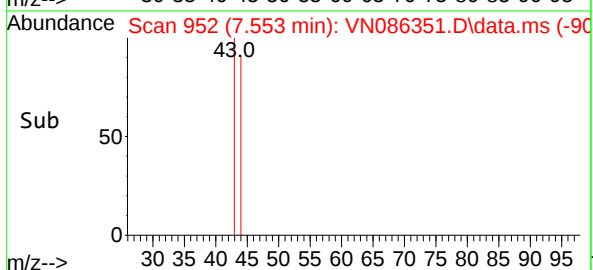
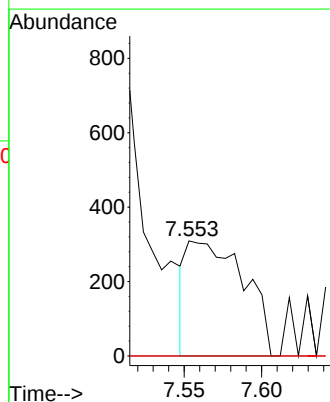
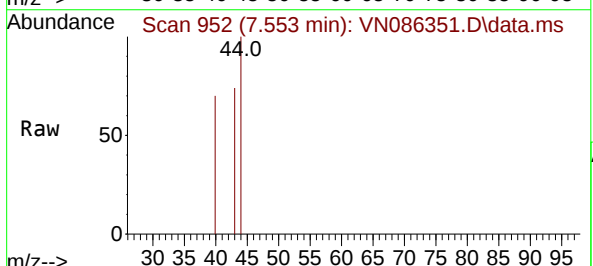
Tgt Ion: 43 Resp: 798

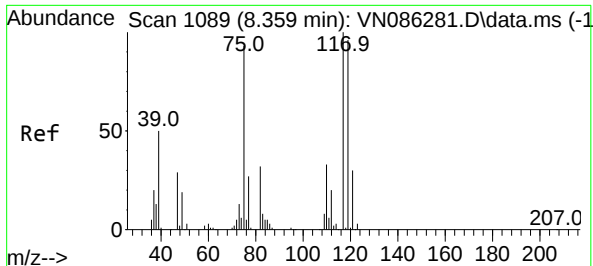
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

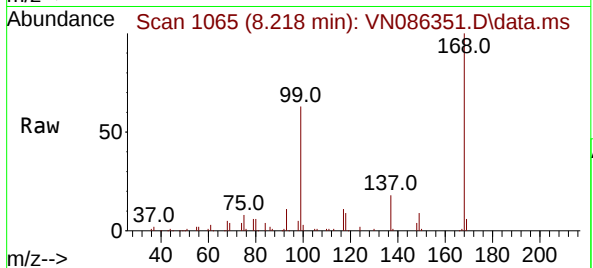
70 0.0 9.2 13.8#



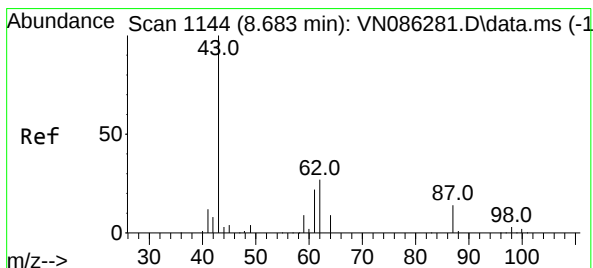
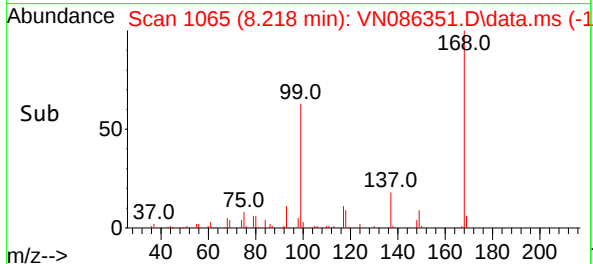
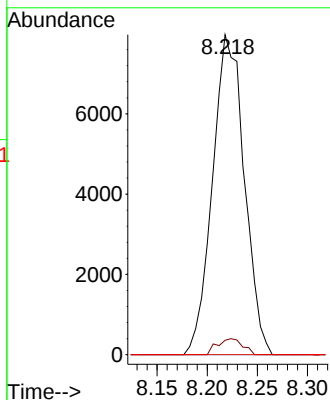


#38
Carbon Tetrachloride
Concen: 5.928 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#16

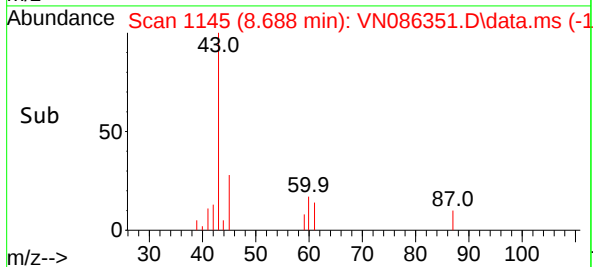
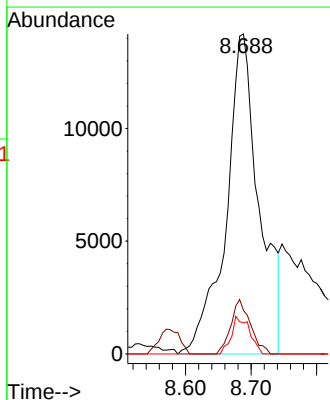
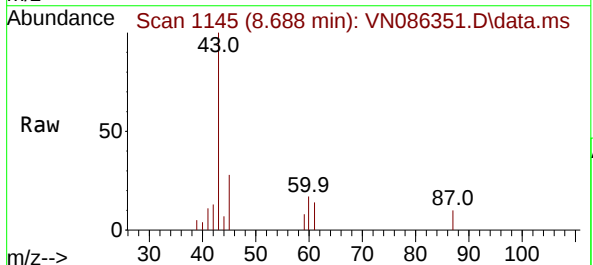


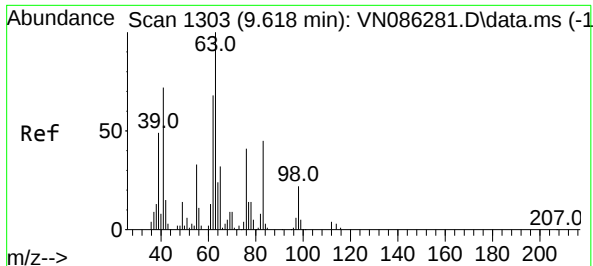
Tgt Ion: 117 Resp: 17536
Ion Ratio Lower Upper
117 100
119 4.5 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 6.737 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

Tgt Ion: 43 Resp: 49774
Ion Ratio Lower Upper
43 100
61 10.1 20.5 30.7#
87 6.4 10.5 15.7#





#45

1,2-Dichloropropane

Concen: 0.435 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN086351.D

Acq: 18 Apr 2025 18:08

Instrument :

MSVOA_N

ClientSampleId :

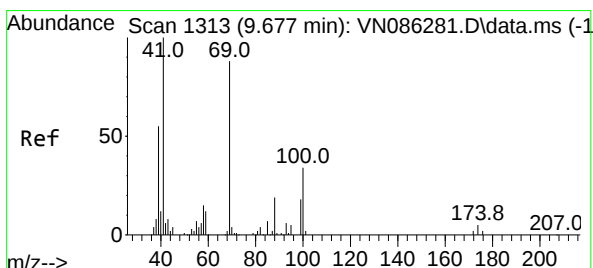
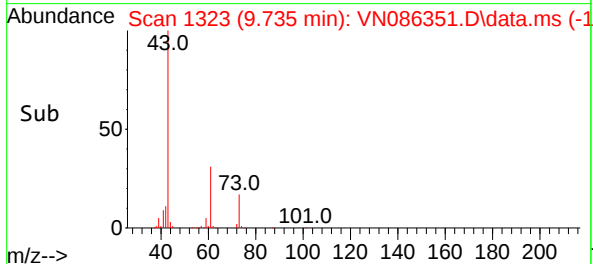
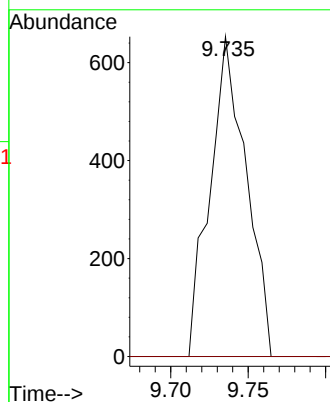
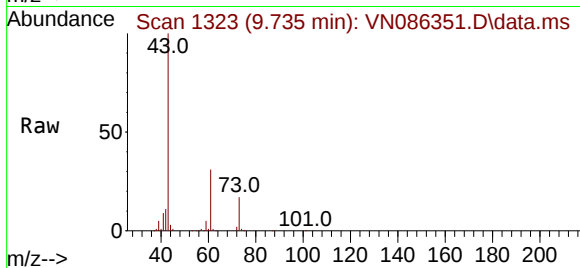
PB167623ZHE#16

Tgt Ion: 63 Resp: 1060

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 23.679 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.059 min

Lab File: VN086351.D

Acq: 18 Apr 2025 18:08

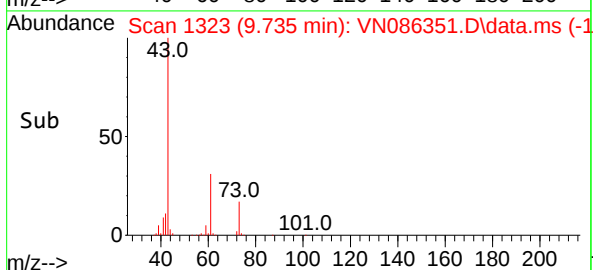
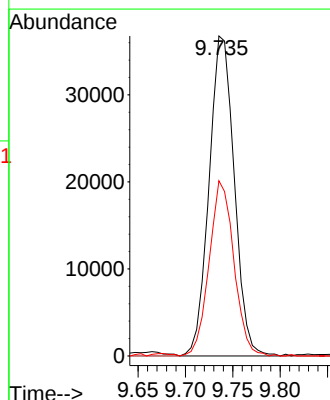
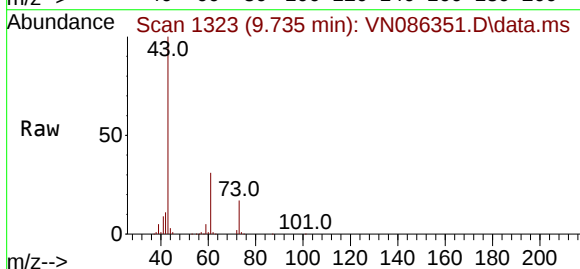
Tgt Ion: 41 Resp: 68009

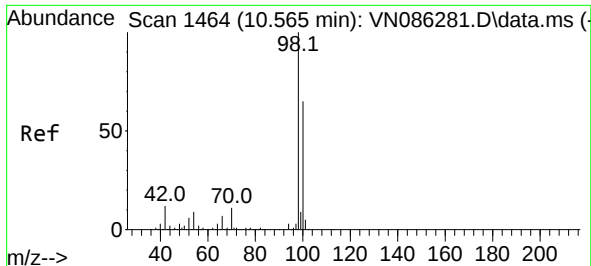
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 53.7 45.2 67.8

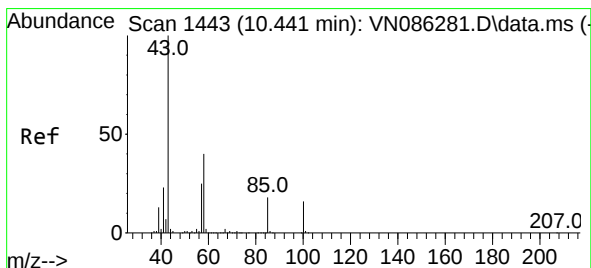
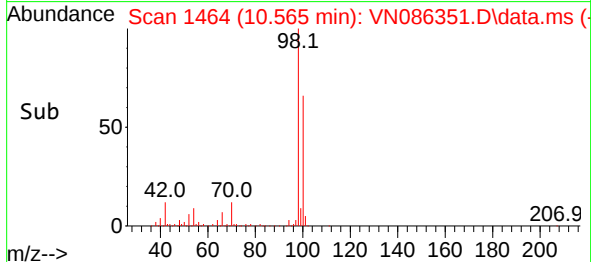
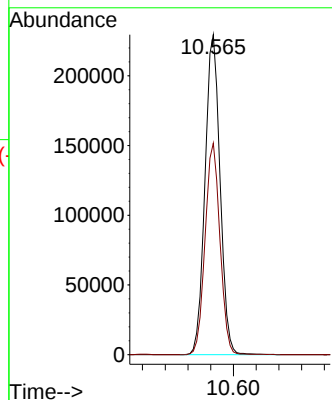
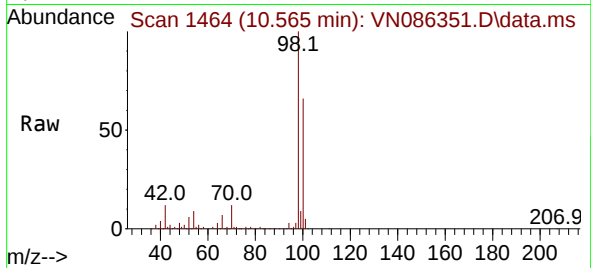




#50
Toluene-d8
Concen: 50.638 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

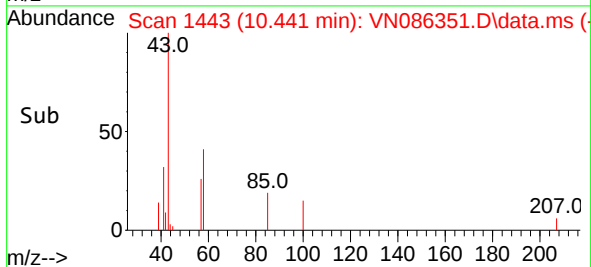
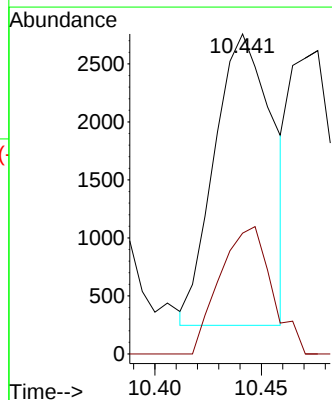
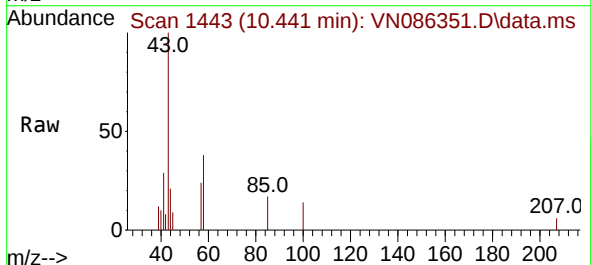
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#16

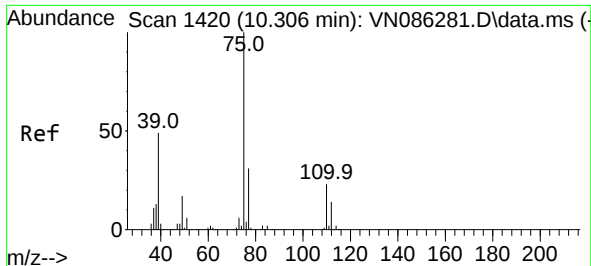
Tgt Ion: 98 Resp: 420928
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.421 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

Tgt Ion: 43 Resp: 4760
Ion Ratio Lower Upper
43 100
58 39.0 32.2 48.4

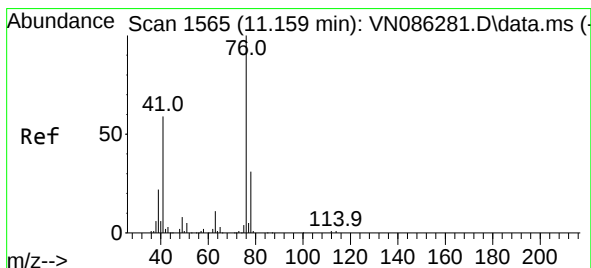
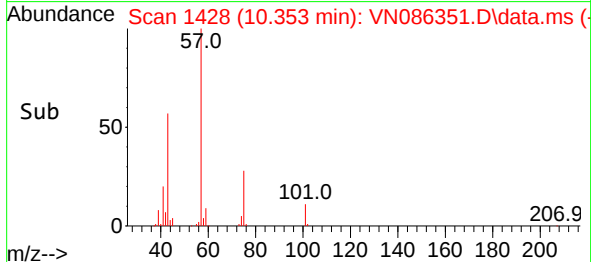
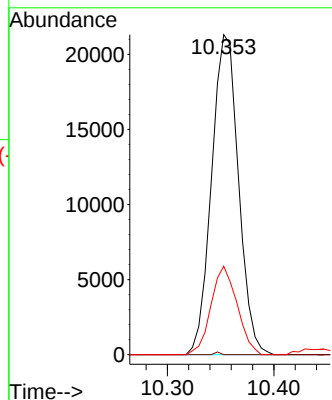
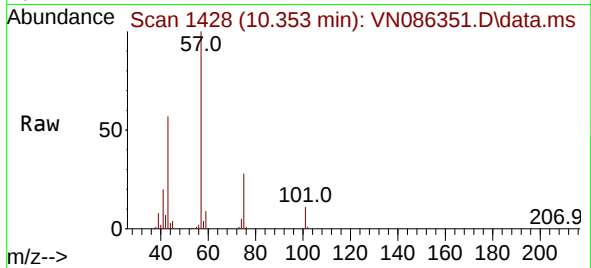




#54
 cis-1,3-Dichloropropene
 Concen: 9.101 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN086351.D
 Acq: 18 Apr 2025 18:08

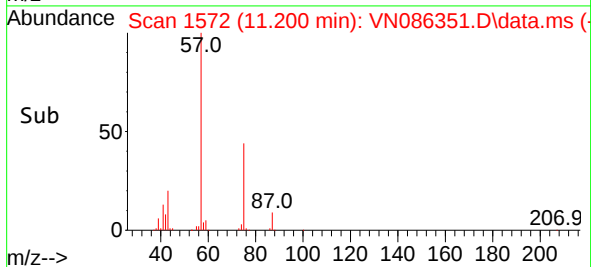
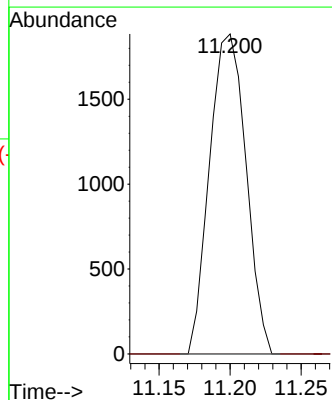
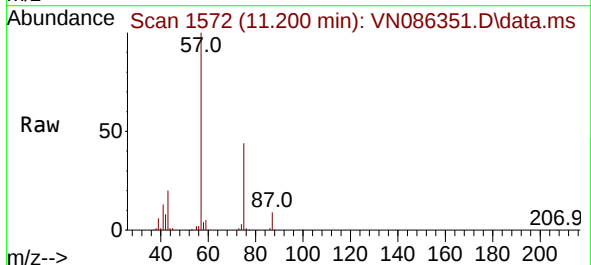
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167623ZHE#16

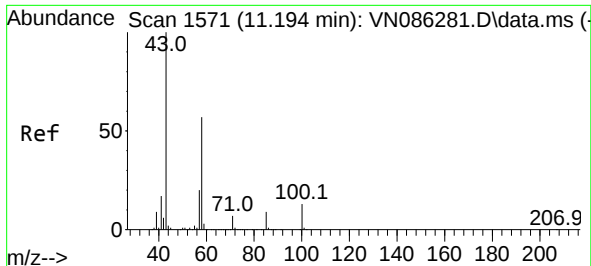
Tgt Ion: 75 Resp: 37411
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 27.7 39.3 58.9#



#57
 1,3-Dichloropropane
 Concen: 0.849 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.041 min
 Lab File: VN086351.D
 Acq: 18 Apr 2025 18:08

Tgt Ion: 76 Resp: 3367
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

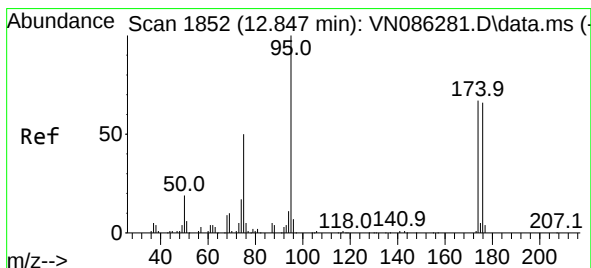
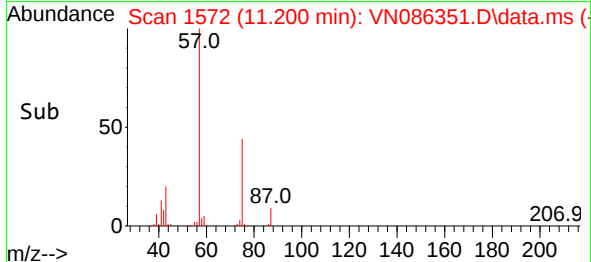
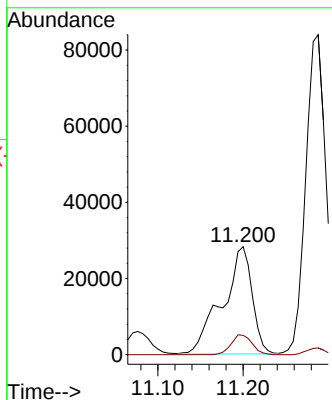
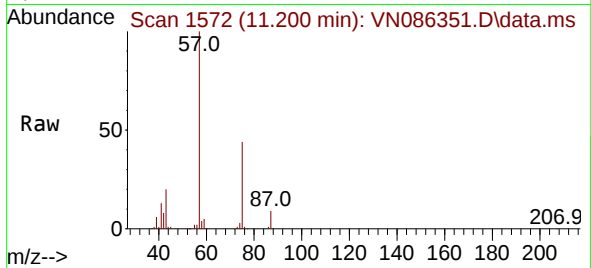




#59
2-Hexanone
Concen: 27.524 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

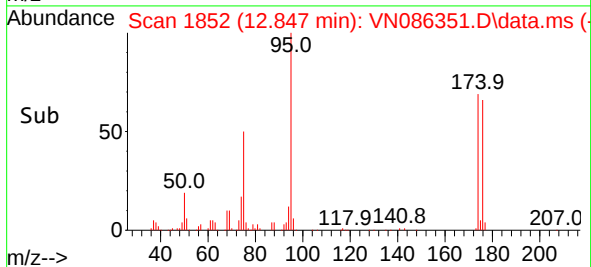
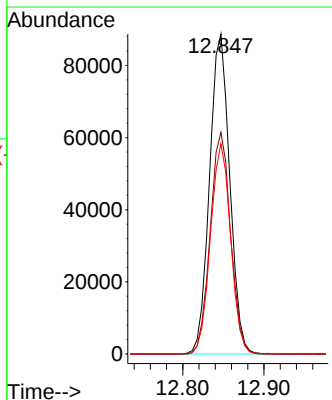
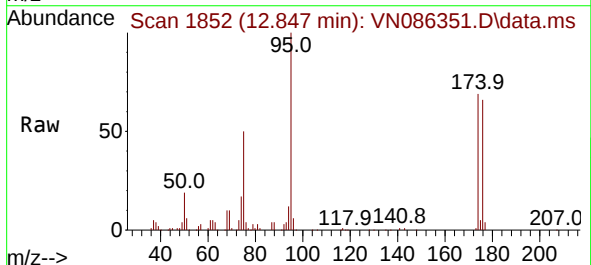
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#16

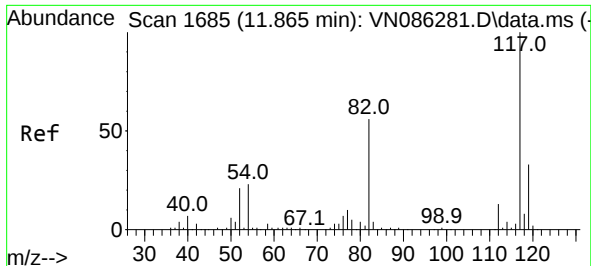
Tgt Ion: 43 Resp: 68373
Ion Ratio Lower Upper
43 100
58 13.0 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 50.516 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

Tgt Ion: 95 Resp: 153160
Ion Ratio Lower Upper
95 100
174 69.9 0.0 133.4
176 65.6 0.0 129.2

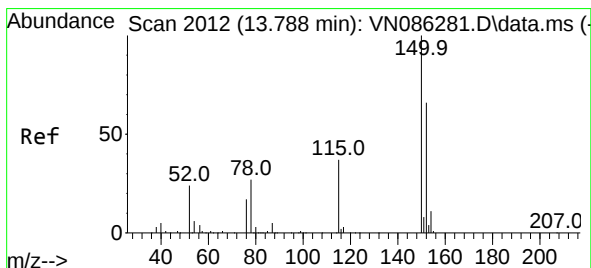
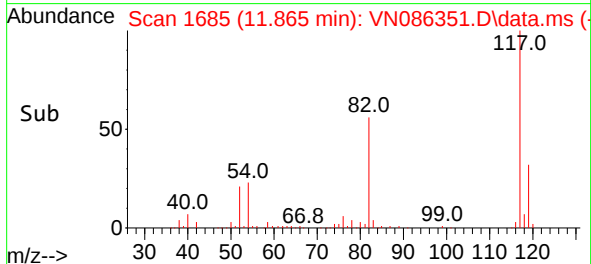
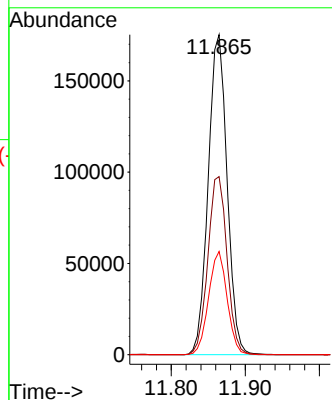
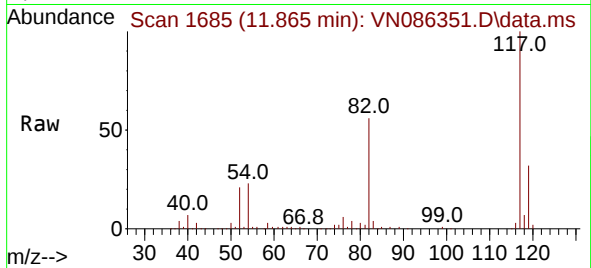




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

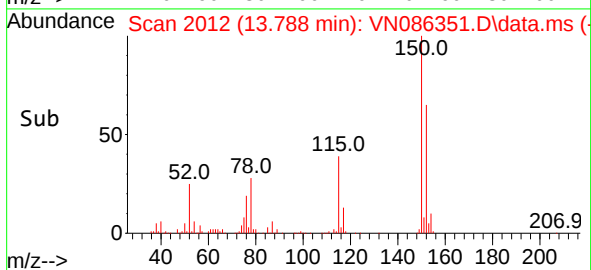
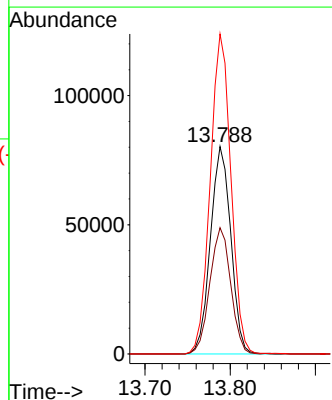
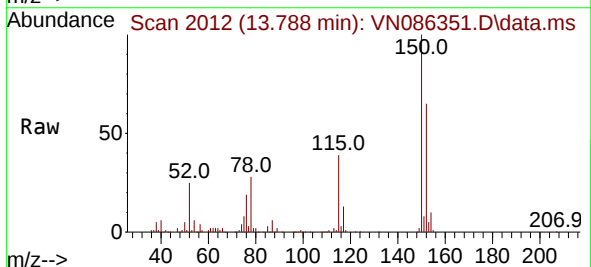
Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#16

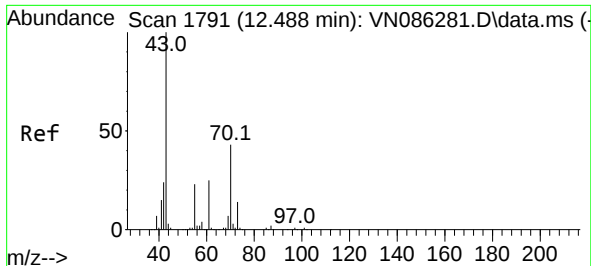
Tgt Ion:117 Resp: 310078
Ion Ratio Lower Upper
117 100
82 55.7 44.7 67.1
119 32.3 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

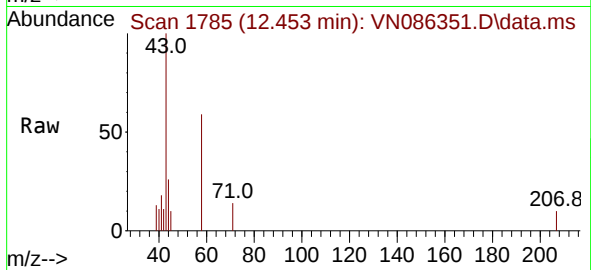
Tgt Ion:152 Resp: 133591
Ion Ratio Lower Upper
152 100
115 62.2 31.9 95.9
150 156.4 0.0 352.0



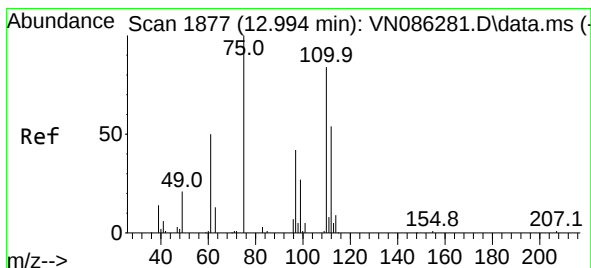
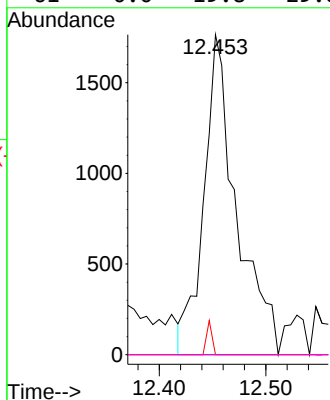
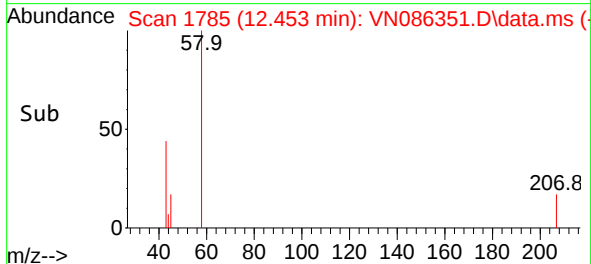


#74
N-amy1 acetate
Concen: 0.690 ug/l
RT: 12.453 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

Instrument :
MSVOA_N
ClientSampleId :
PB167623ZHE#16

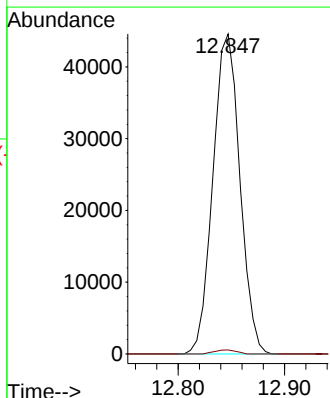
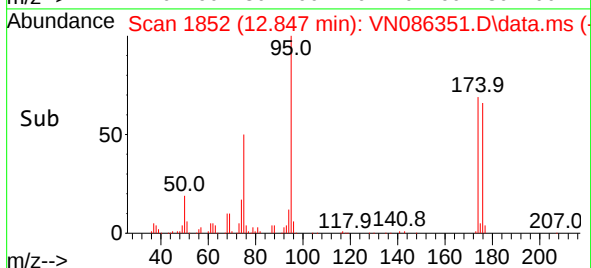
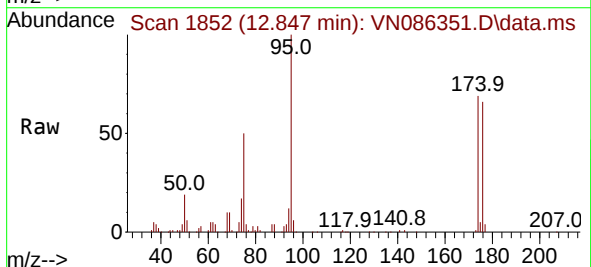


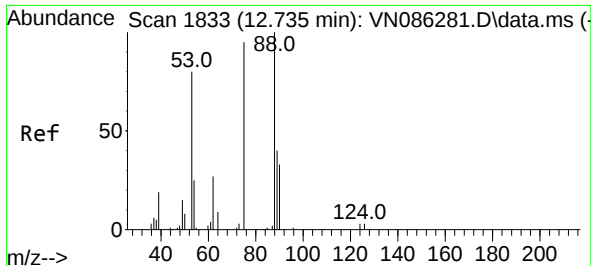
Tgt Ion:	43	Resp:	3755
Ion	Ratio	Lower	Upper
43	100		
70	0.0	35.0	52.4#
55	1.8	19.0	28.4#
61	0.0	19.8	29.8#



#76
1,2,3-Trichloropropane
Concen: 24.818 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086351.D
Acq: 18 Apr 2025 18:08

Tgt Ion:	75	Resp:	78240
Ion	Ratio	Lower	Upper
75	100		
77	1.0	98.8	296.4#

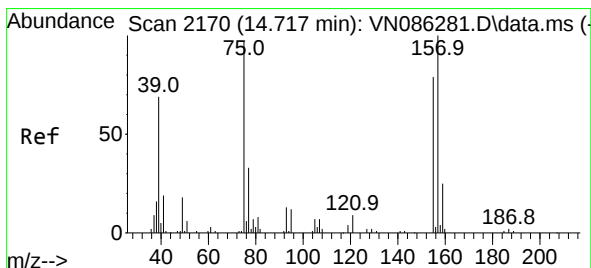
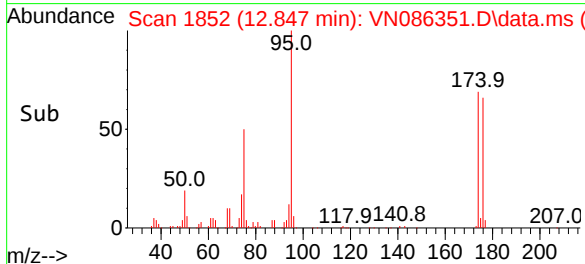
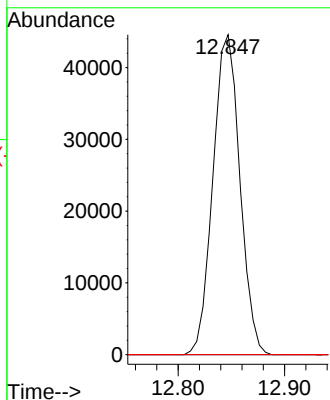
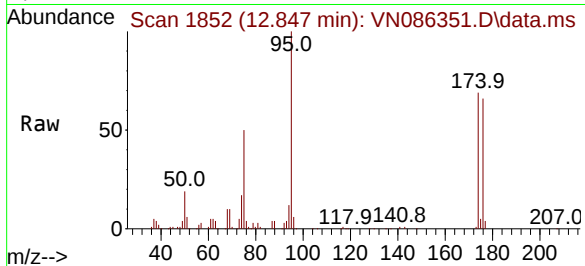




#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.604 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086351.D
 Acq: 18 Apr 2025 18:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167623ZHE#16

Tgt Ion: 75 Resp: 78240
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 35.7 53.5#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.557 ug/l
 RT: 14.694 min Scan# 2166
 Delta R.T. -0.024 min
 Lab File: VN086351.D
 Acq: 18 Apr 2025 18:08

Tgt Ion: 75 Resp: 353
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.3 120.9#
 157 0.0 49.0 147.2#

