

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042825\
 Data File : VN086418.D
 Acq On : 29 Apr 2025 01:44
 Operator : JC\MD
 Sample : PB167744ZHE#15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#15

Quant Time: Apr 29 03:40:49 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)

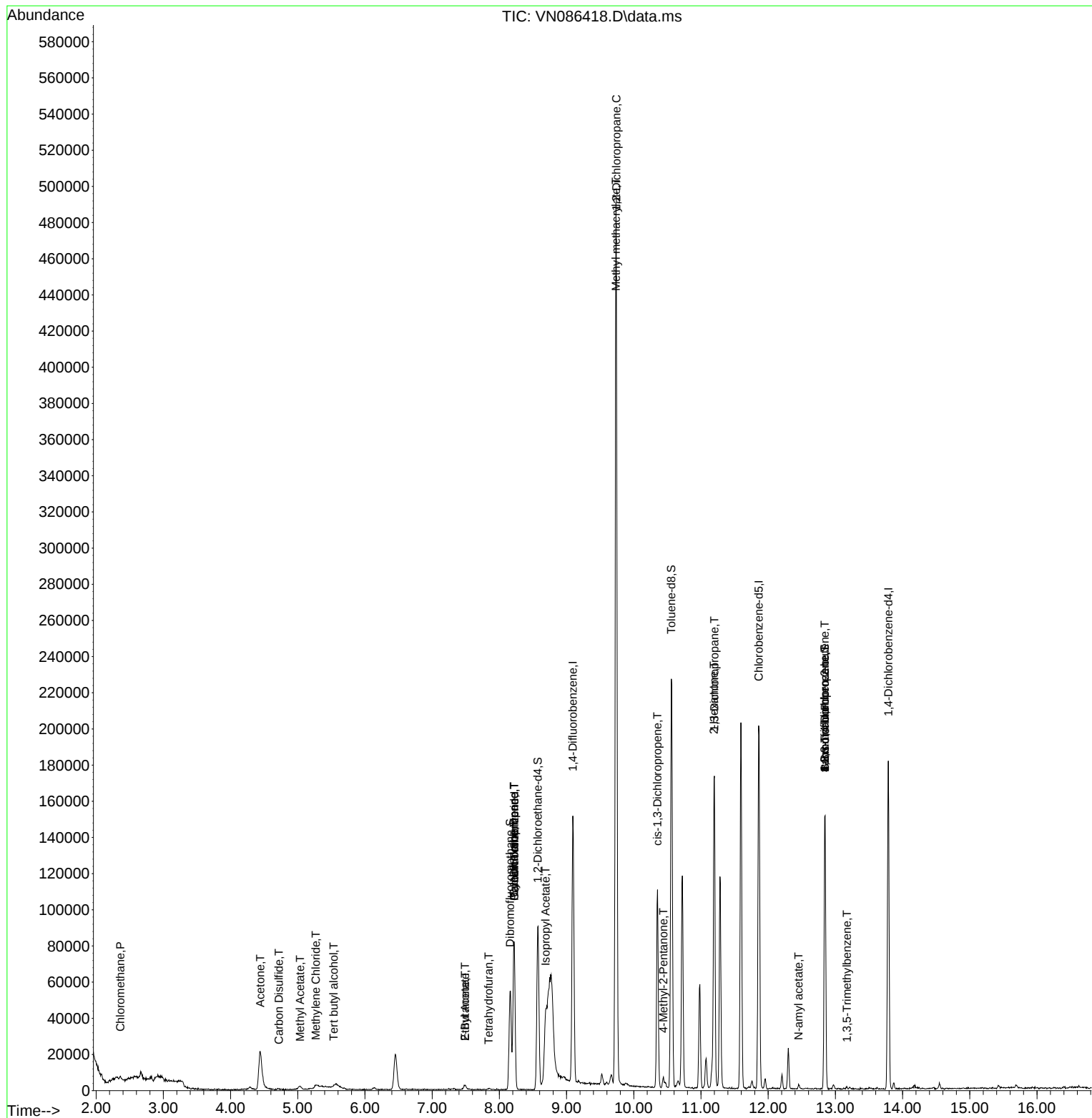
Internal Standards						
1) Pentafluorobenzene	8.224	168	60784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	129955	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	119374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	48448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	76677	86.992	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 173.980%#	
35) Dibromofluoromethane	8.159	113	41563	68.911	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 137.820%#	
50) Toluene-d8	10.559	98	158092	49.044	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.080%	
62) 4-Bromofluorobenzene	12.841	95	56051	47.673	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 95.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1039	0.992	ug/l #	61
11) Tert butyl alcohol	5.536	59	336	2.089	ug/l #	72
16) Acetone	4.442	43	47639	154.136	ug/l	93
17) Carbon Disulfide	4.718	76	1026	0.479	ug/l #	74
18) Methyl Acetate	5.036	43	4747	4.487	ug/l #	86
20) Methylene Chloride	5.271	84	1589	1.950	ug/l #	80
25) 2-Butanone	7.489	43	5531	10.081	ug/l #	76
29) Tetrahydrofuran	7.841	42	412	1.123	ug/l #	32
31) Cyclohexane	8.218	56	1357	0.950	ug/l #	18
36) 1,1-Dichloropropene	8.218	75	5138	4.265	ug/l #	49
37) Ethyl Acetate	7.489	43	5531	4.361	ug/l #	68
38) Carbon Tetrachloride	8.224	117	6395	5.574	ug/l #	16
43) Isopropyl Acetate	8.688	43	40217	16.159	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	602	0.637	ug/l #	43
48) Methyl methacrylate	9.735	41	44000	39.506	ug/l #	44
51) 4-Methyl-2-Pentanone	10.441	43	5907	4.548	ug/l #	69
54) cis-1,3-Dichloropropene	10.353	75	20509	12.866	ug/l #	61
57) 1,3-Dichloropropane	11.200	76	1765	1.148	ug/l #	43
59) 2-Hexanone	11.194	43	36198	37.577	ug/l #	43
71) Bromoform	12.847	173	180	0.272	ug/l #	1
74) N-amyl acetate	12.453	43	3028	1.535	ug/l #	42
76) 1,2,3-Trichloropropane	12.841	75	29419	25.732	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.171	105	665	0.205	ug/l	70
81) trans-1,4-Dichloro-2-b...	12.841	75	29419	61.798	ug/l #	10

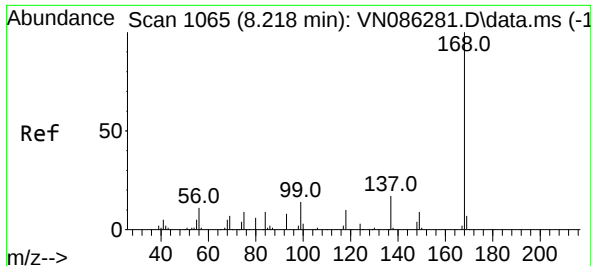
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042825\
Data File : VN086418.D
Acq On : 29 Apr 2025 01:44
Operator : JC\MD
Sample : PB167744ZHE#15
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#15

Quant Time: Apr 29 03:40:49 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

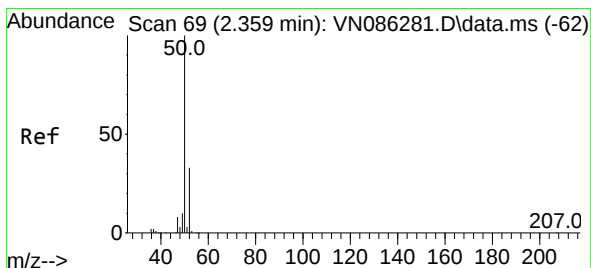
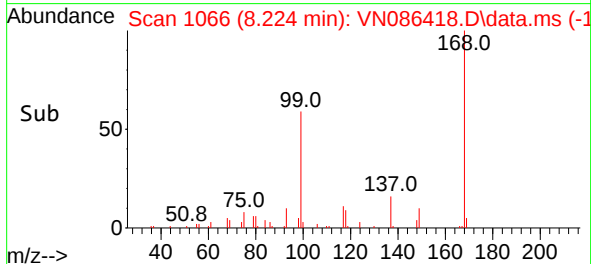
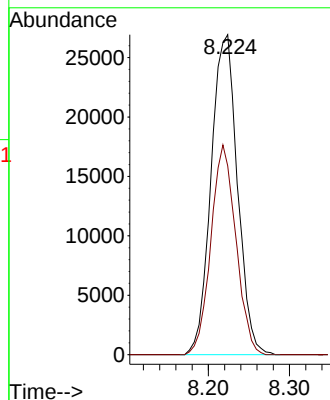
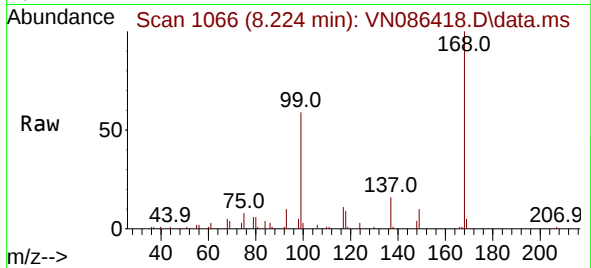




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

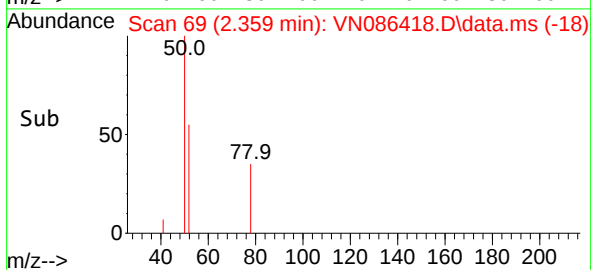
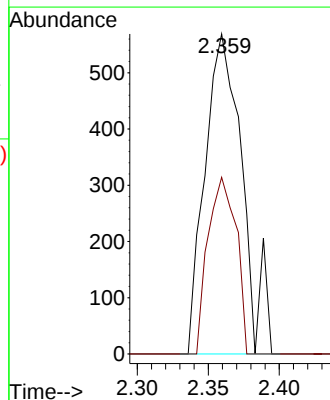
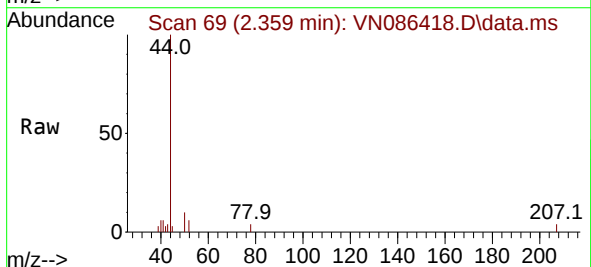
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#15

Tgt Ion:168 Resp: 60784
Ion Ratio Lower Upper
168 100
99 59.0 52.5 78.7



#3
Chloromethane
Concen: 0.992 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

Tgt Ion: 50 Resp: 1039
Ion Ratio Lower Upper
50 100
52 55.2 26.5 39.7#

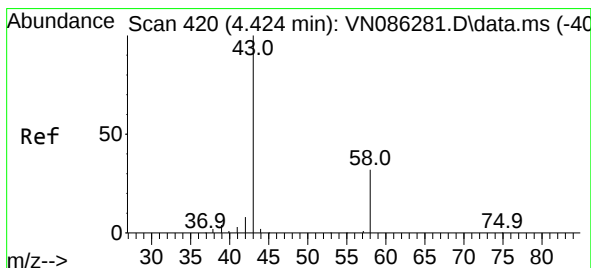
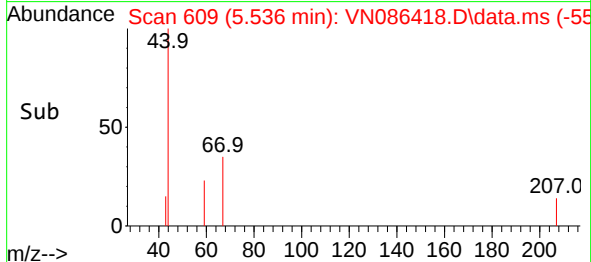
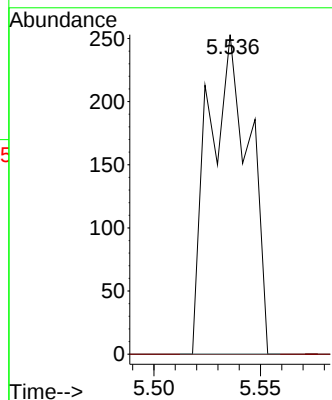
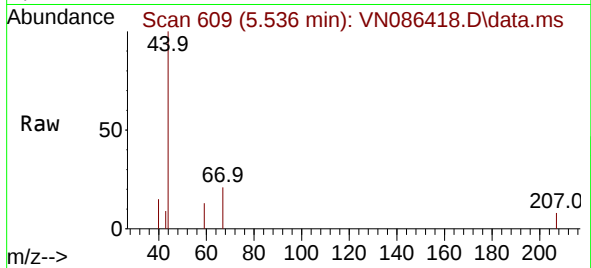




#11
Tert butyl alcohol
Concen: 2.089 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.024 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

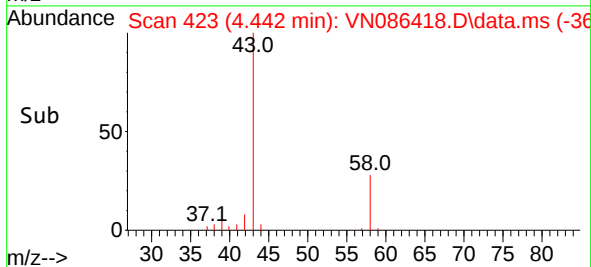
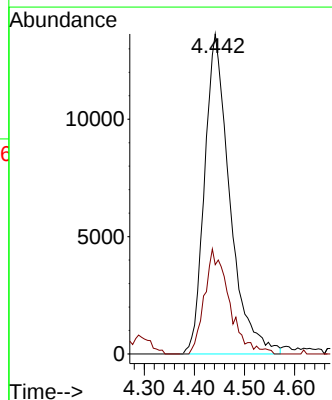
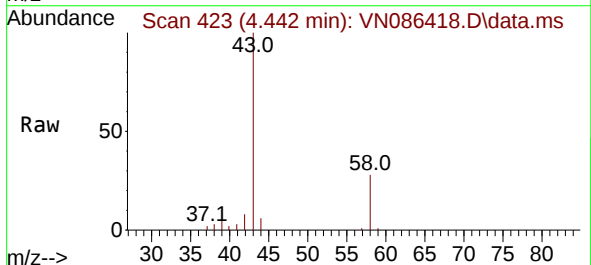
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#15

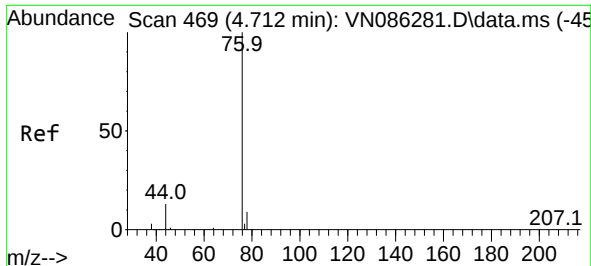
Tgt Ion: 59 Resp: 336
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 154.136 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

Tgt Ion: 43 Resp: 47639
Ion Ratio Lower Upper
43 100
58 27.9 25.3 37.9

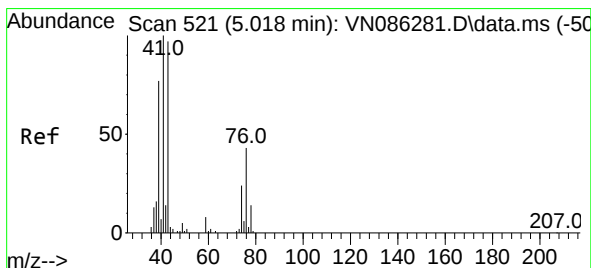
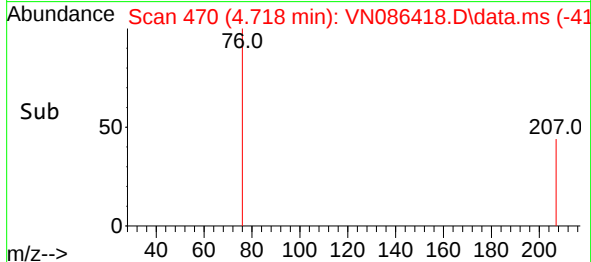
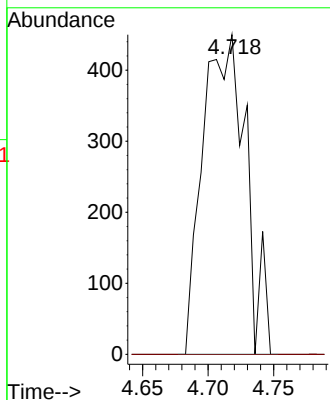
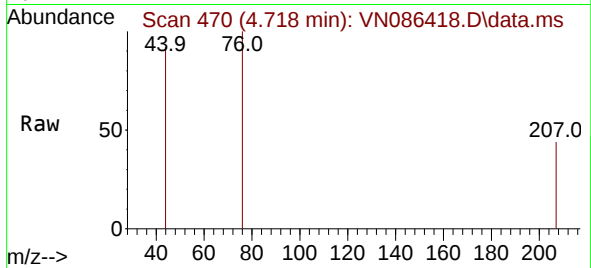




#17
Carbon Disulfide
Concen: 0.479 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

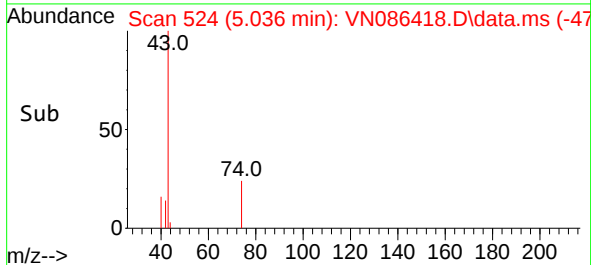
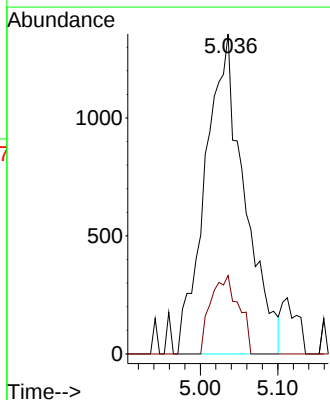
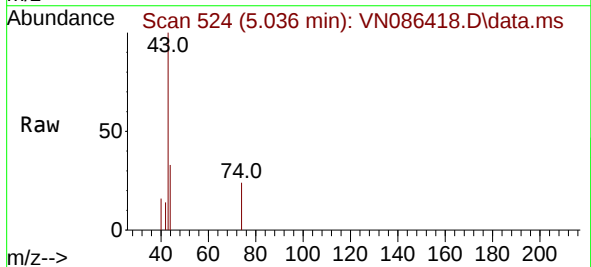
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#15

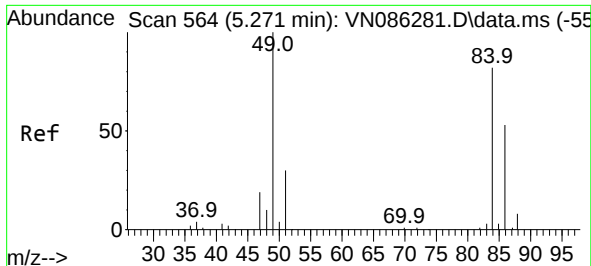
Tgt Ion: 76 Resp: 1026
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: 4.487 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

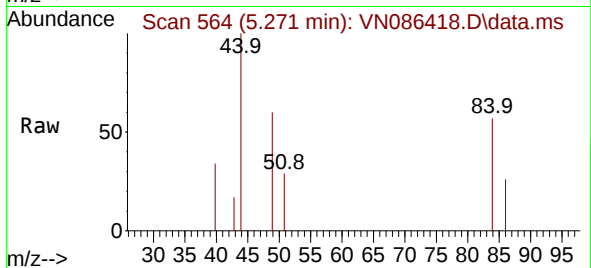
Tgt Ion: 43 Resp: 4747
Ion Ratio Lower Upper
43 100
74 17.6 19.8 29.6#





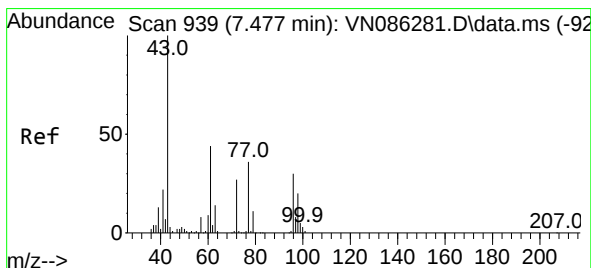
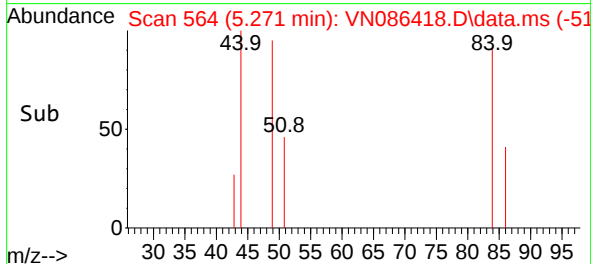
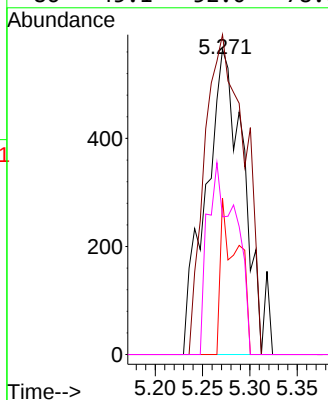
#20
Methylene Chloride
Concen: 1.950 ug/l
RT: 5.271 min Scan# 50
Delta R.T. 0.000 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#15



Tgt Ion: 84 Resp: 1589

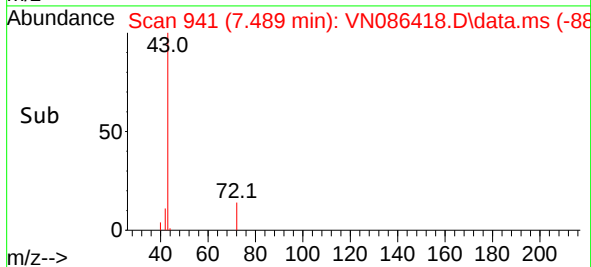
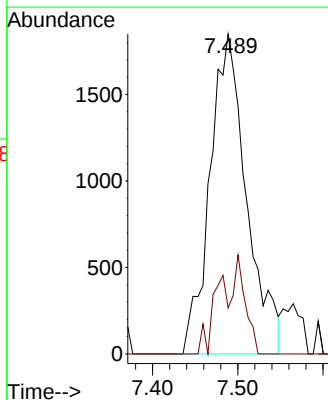
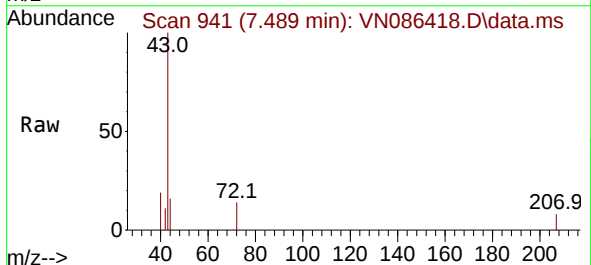
Ion	Ratio	Lower	Upper
84	100		
49	104.8	98.2	147.2
51	51.2	29.8	44.6#
86	45.1	52.0	78.0#

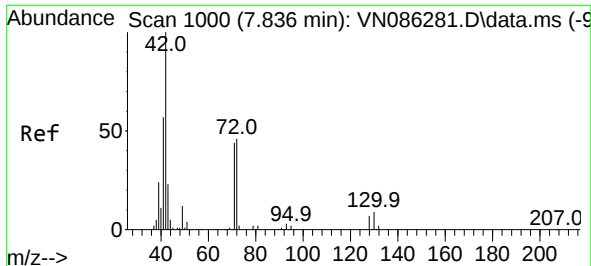


#25
2-Butanone
Concen: 10.081 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

Tgt Ion: 43 Resp: 5531

Ion	Ratio	Lower	Upper
43	100		
72	14.4	21.7	32.5#





#29

Tetrahydrofuran

Concen: 1.123 ug/l

RT: 7.841 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VN086418.D

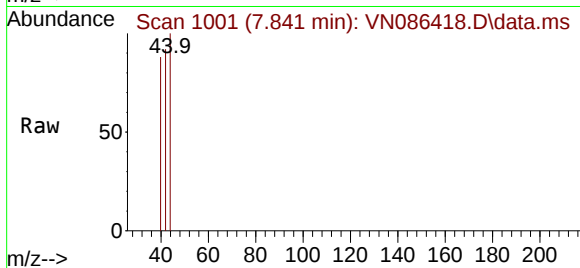
Acq: 29 Apr 2025 01:44

Instrument :

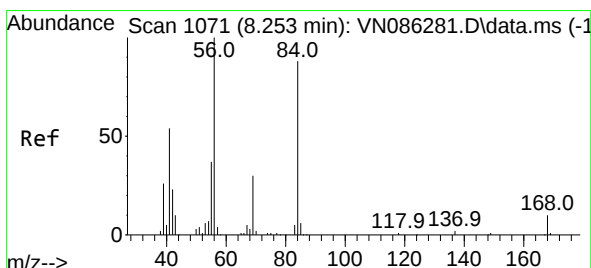
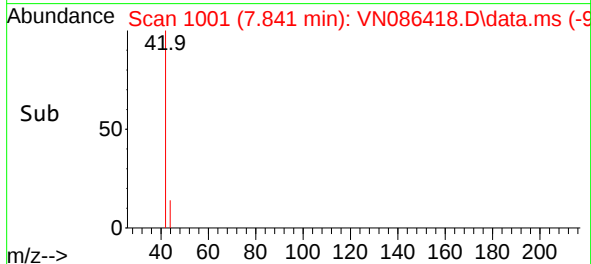
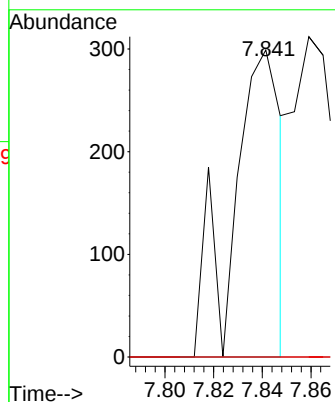
MSVOA_N

ClientSampleId :

PB167744ZHE#15



Tgt Ion: 42	Resp: 412
Ion Ratio	Lower Upper
42 100	
72 0.0	36.2 54.4#
71 0.0	34.0 51.0#



#31

Cyclohexane

Concen: 0.950 ug/l

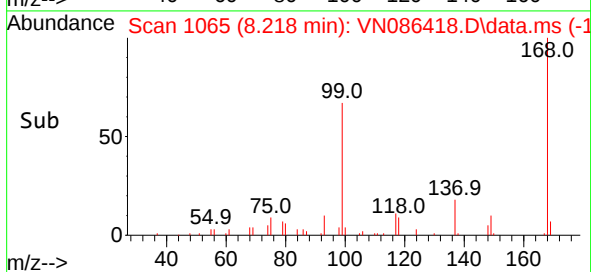
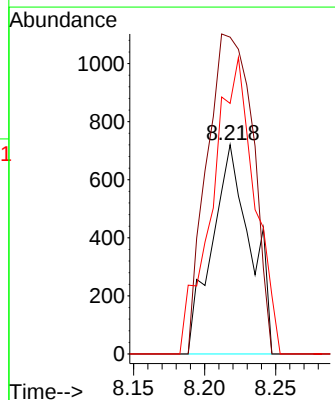
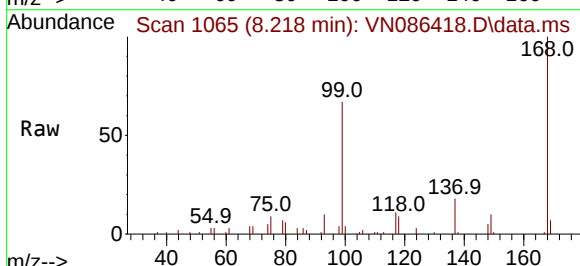
RT: 8.218 min Scan# 1065

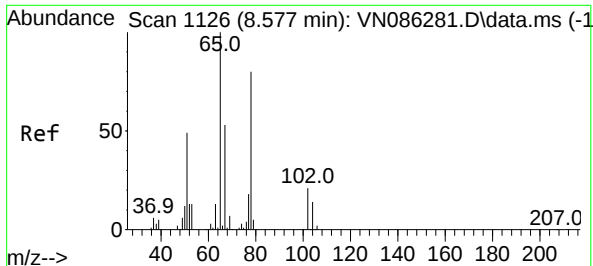
Delta R.T. -0.035 min

Lab File: VN086418.D

Acq: 29 Apr 2025 01:44

Tgt Ion: 56	Resp: 1357		
Ion Ratio	Lower	Upper	
56	100		
69	151.3	24.2	36.2#
84	119.7	70.3	105.5#





#33

1,2-Dichloroethane-d4

Concen: 86.992 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN086418.D

Acq: 29 Apr 2025 01:44

Instrument :

MSVOA_N

ClientSampleId :

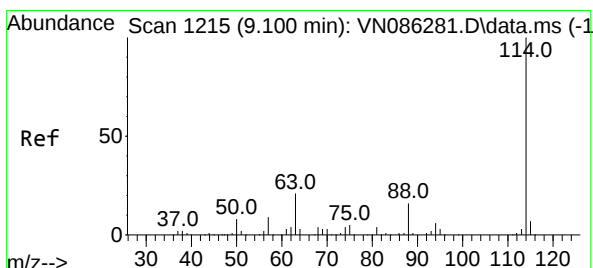
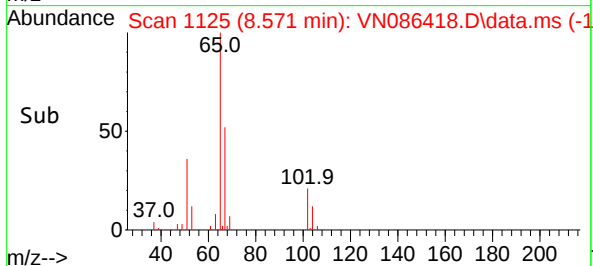
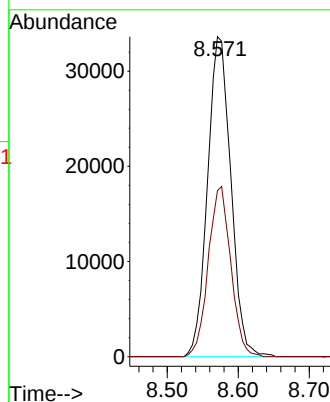
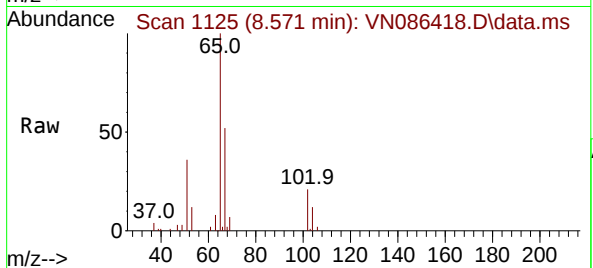
PB167744ZHE#15

Tgt Ion: 65 Resp: 76677

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086418.D

Acq: 29 Apr 2025 01:44

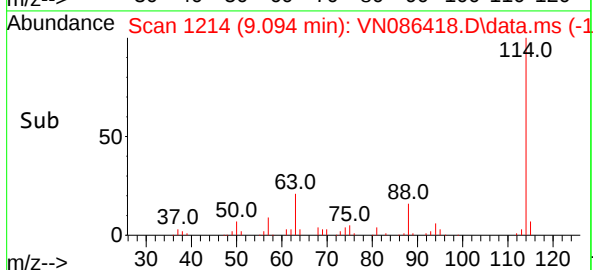
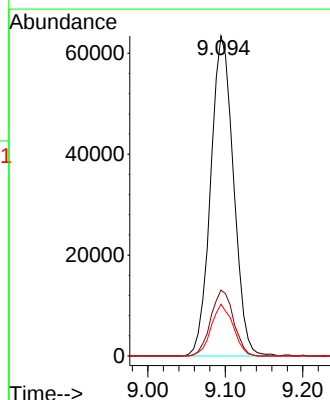
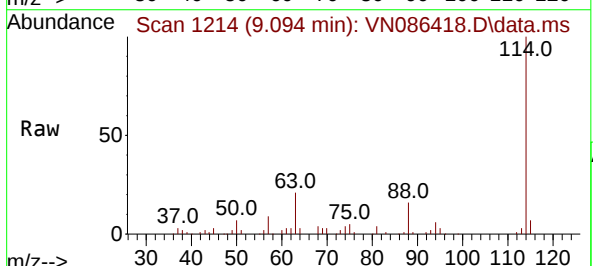
Tgt Ion: 114 Resp: 129955

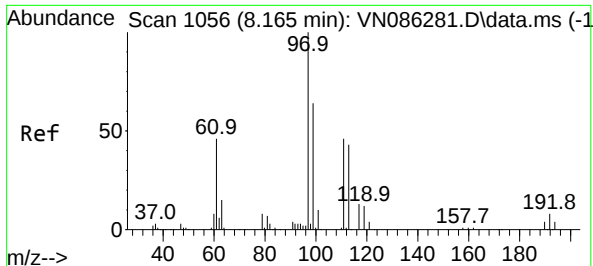
Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

88 16.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 68.911 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086418.D

Acq: 29 Apr 2025 01:44

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#15

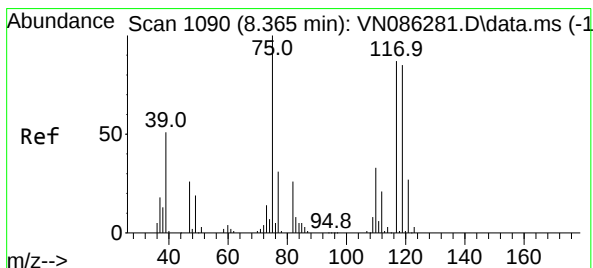
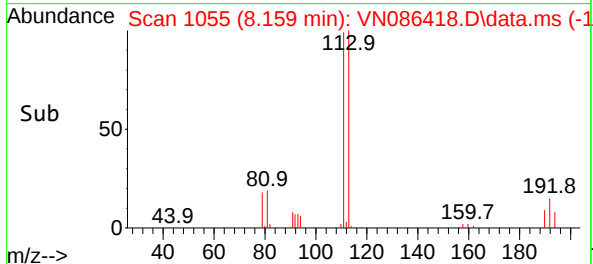
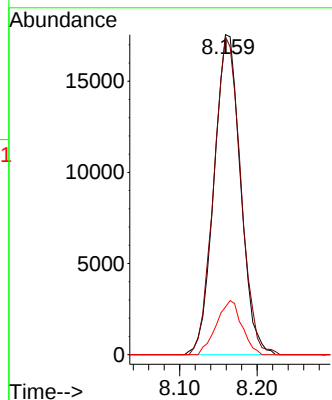
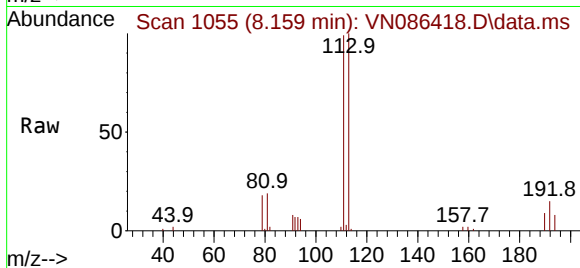
Tgt Ion:113 Resp: 41563

Ion Ratio Lower Upper

113 100

111 100.9 83.4 125.0

192 16.2 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.265 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086418.D

Acq: 29 Apr 2025 01:44

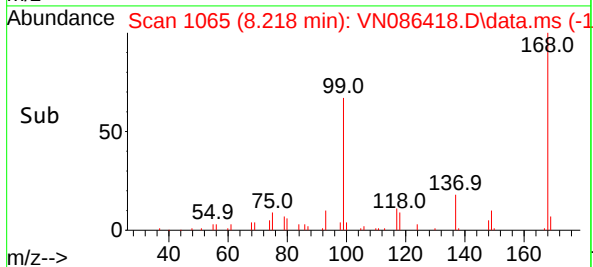
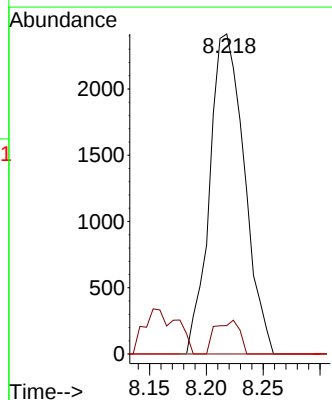
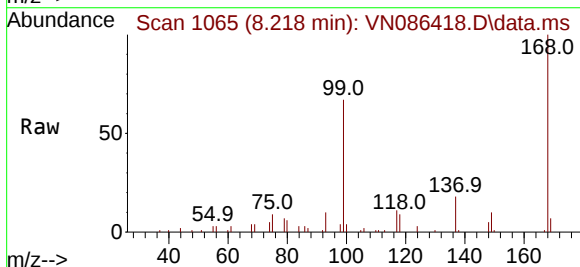
Tgt Ion: 75 Resp: 5138

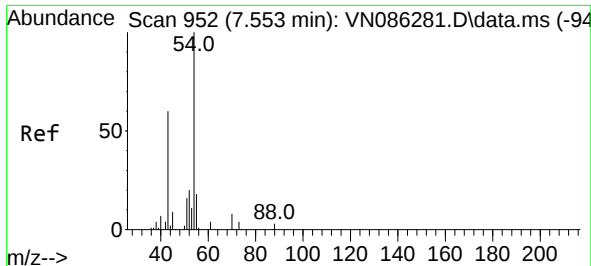
Ion Ratio Lower Upper

75 100

110 7.4 16.8 50.4#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 4.361 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.065 min

Lab File: VN086418.D

Acq: 29 Apr 2025 01:44

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#15

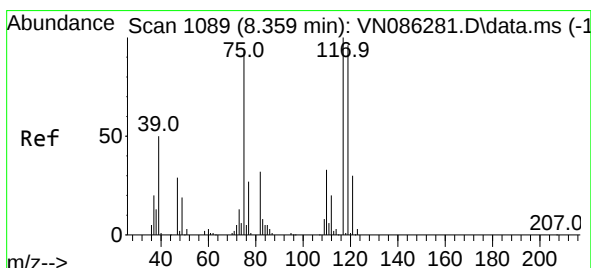
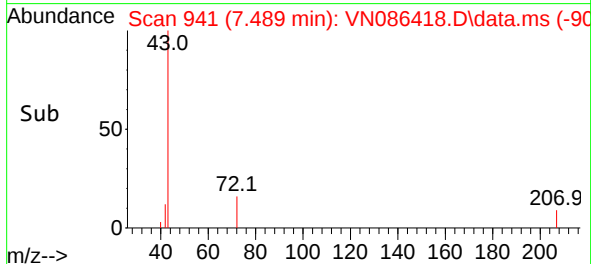
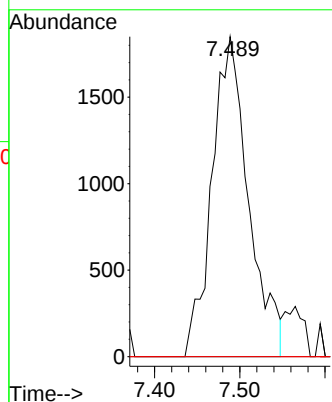
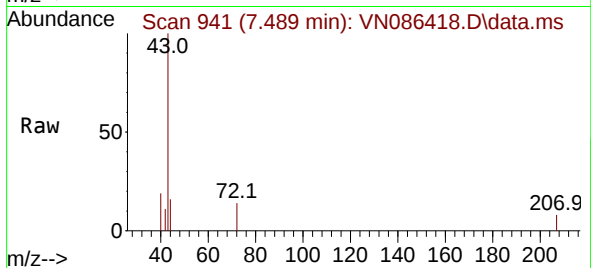
Tgt Ion: 43 Resp: 5531

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 9.2 13.8#



#38

Carbon Tetrachloride

Concen: 5.574 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086418.D

Acq: 29 Apr 2025 01:44

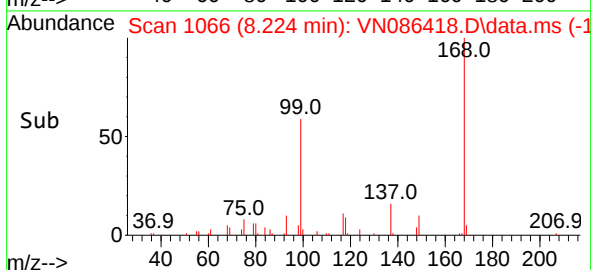
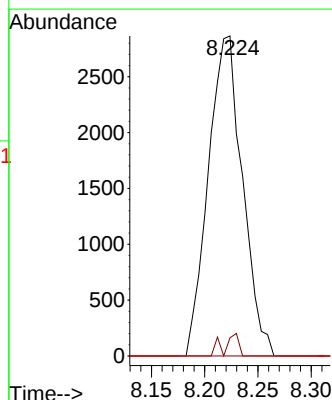
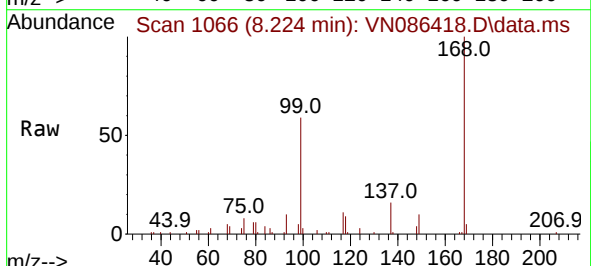
Tgt Ion: 117 Resp: 6395

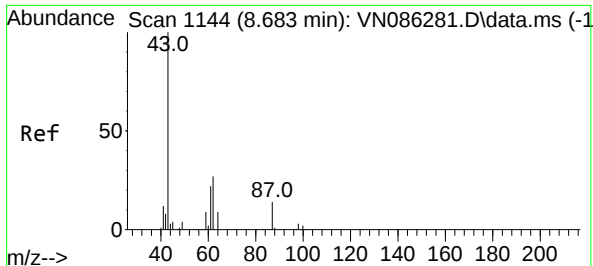
Ion Ratio Lower Upper

117 100

119 5.7 76.8 115.2#

121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: 16.159 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.005 min

Lab File: VN086418.D

Acq: 29 Apr 2025 01:44

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#15

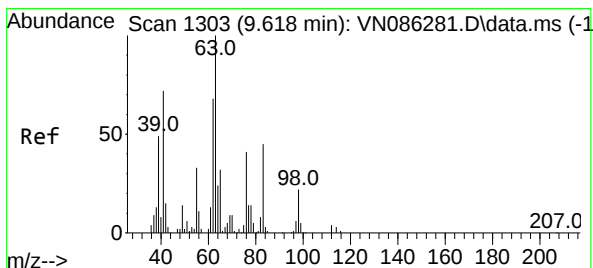
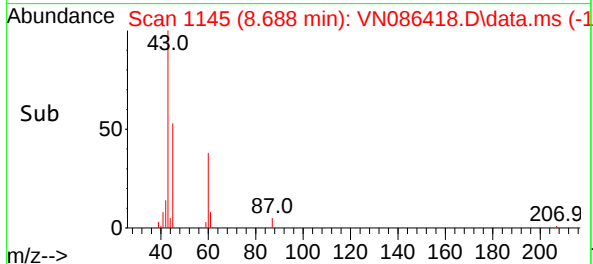
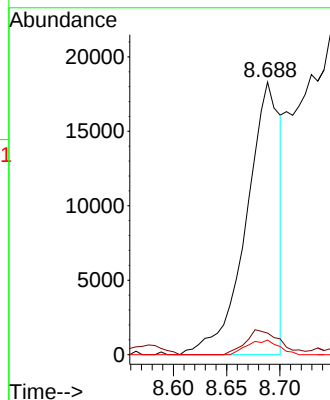
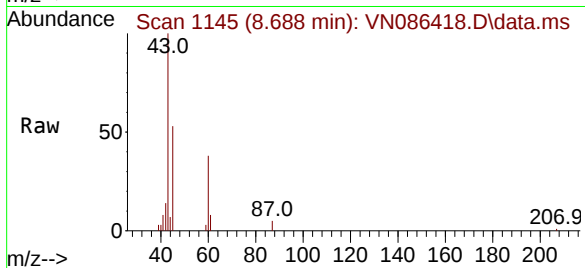
Tgt Ion: 43 Resp: 40217

Ion Ratio Lower Upper

43 100

61 9.3 20.5 30.7#

87 5.0 10.5 15.7#



#45

1,2-Dichloropropane

Concen: 0.637 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.124 min

Lab File: VN086418.D

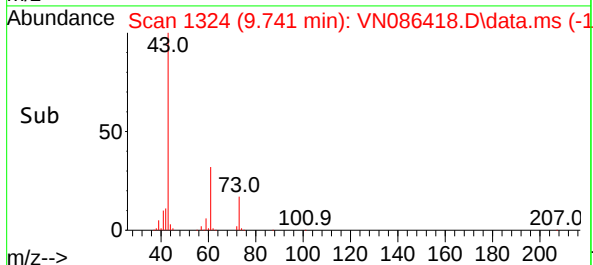
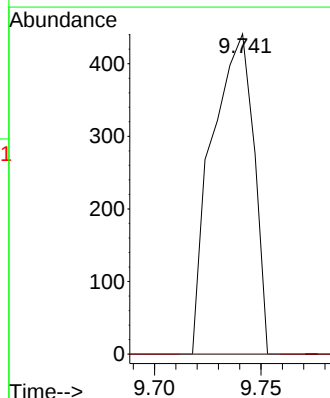
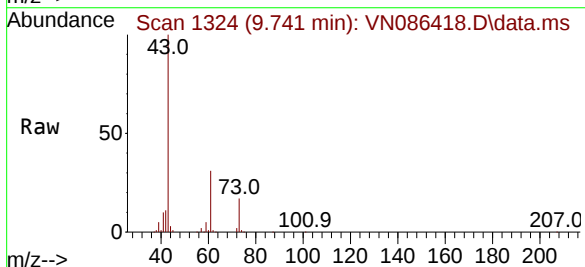
Acq: 29 Apr 2025 01:44

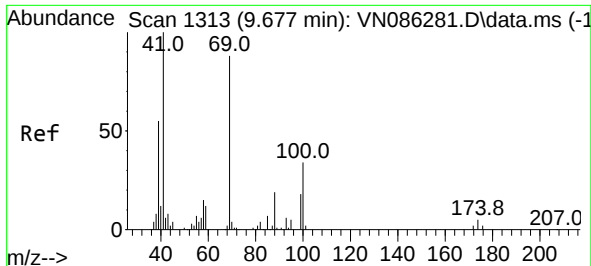
Tgt Ion: 63 Resp: 602

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#

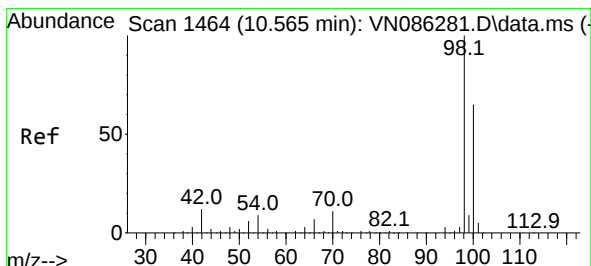
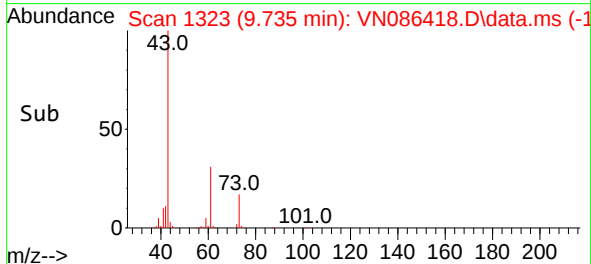
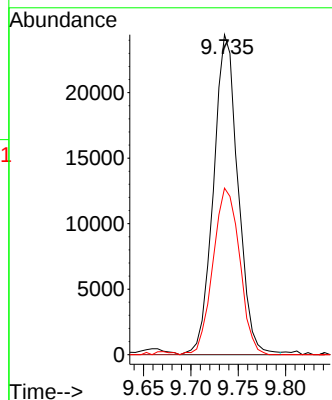
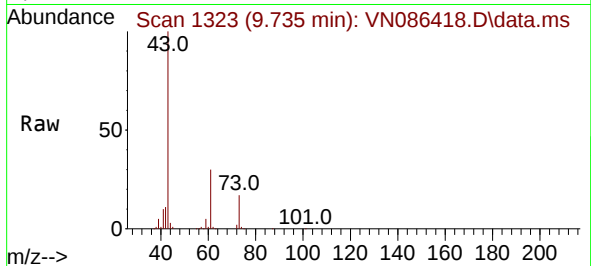




#48
Methyl methacrylate
Concen: 39.506 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

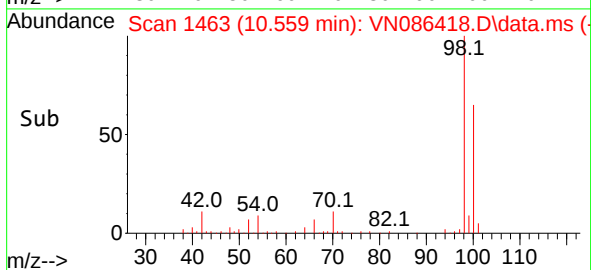
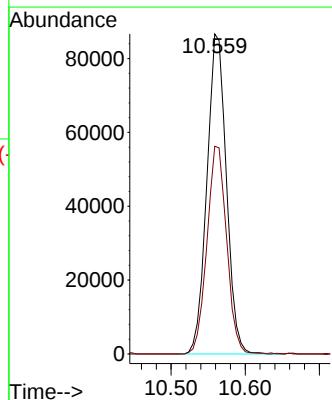
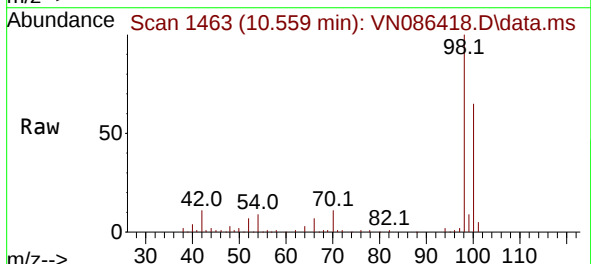
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#15

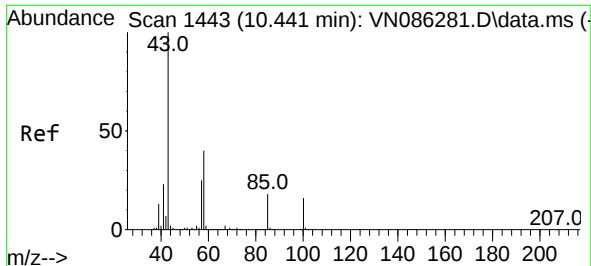
Tgt Ion: 41 Resp: 44000
Ion Ratio Lower Upper
41 100
69 0.0 68.2 102.2#
39 56.4 45.2 67.8



#50
Toluene-d8
Concen: 49.044 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

Tgt Ion: 98 Resp: 158092
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7

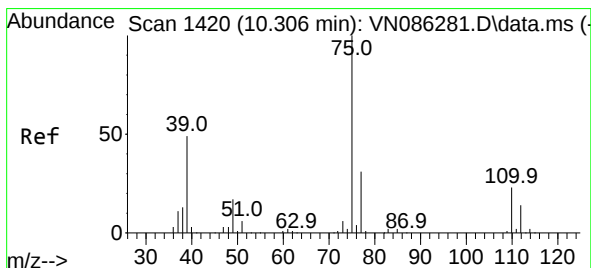
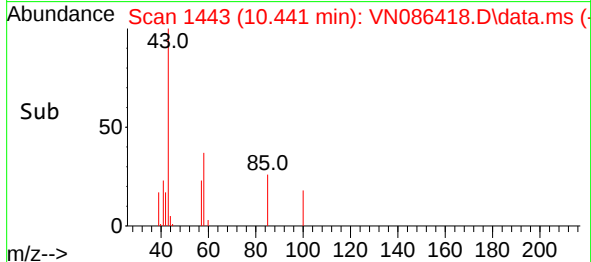
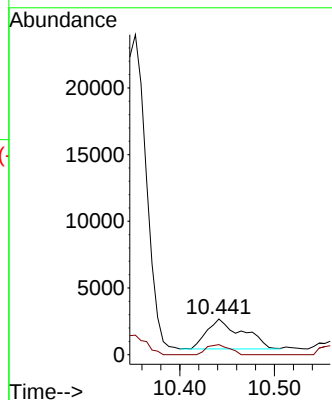
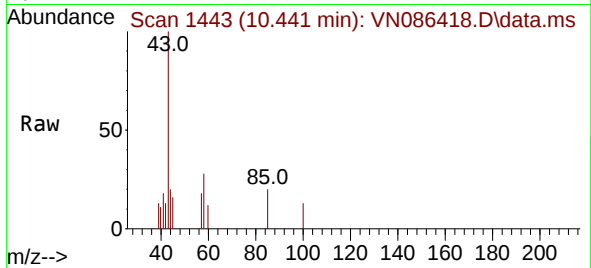




#51
4-Methyl-2-Pentanone
Concen: 4.548 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

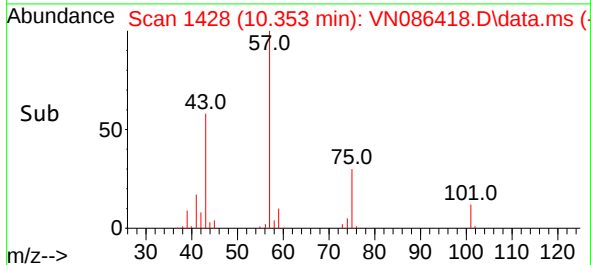
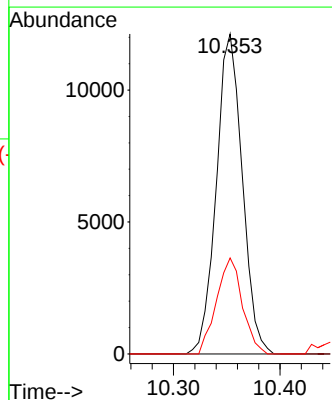
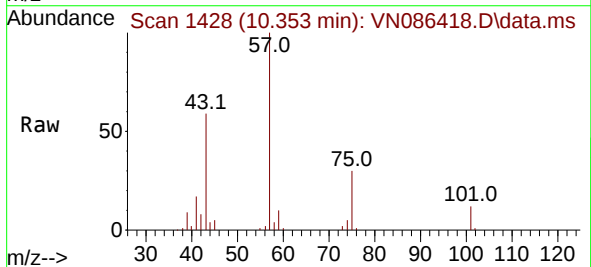
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#15

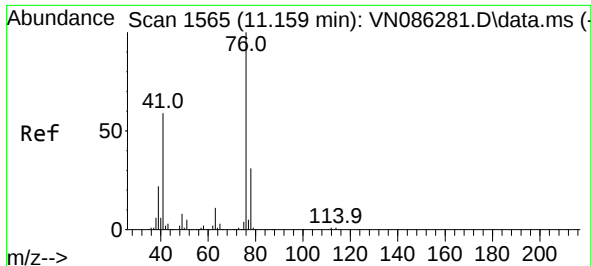
Tgt Ion: 43 Resp: 5907
Ion Ratio Lower Upper
43 100
58 21.1 32.2 48.4#



#54
cis-1,3-Dichloropropene
Concen: 12.866 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

Tgt Ion: 75 Resp: 20509
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 30.0 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 1.148 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086418.D

Acq: 29 Apr 2025 01:44

Instrument :

MSVOA_N

ClientSampleId :

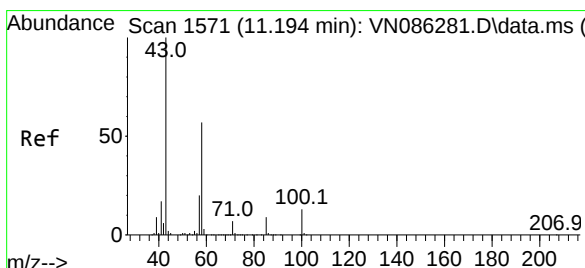
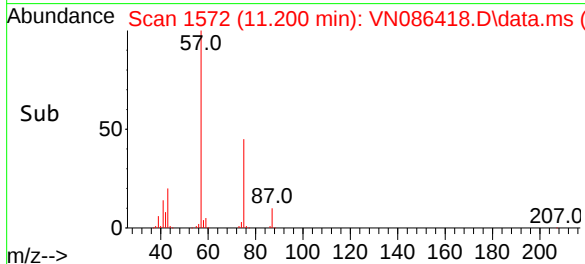
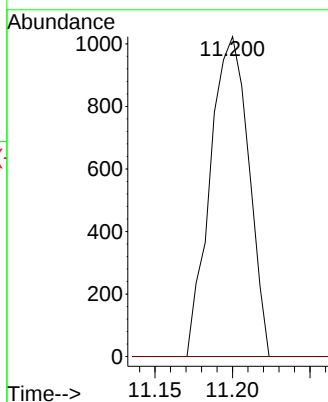
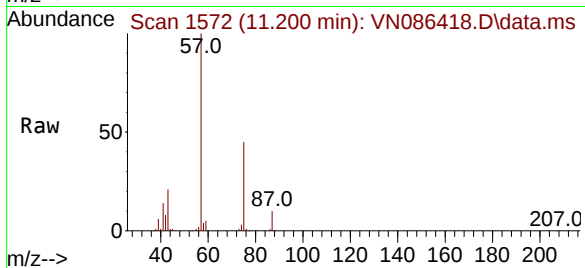
PB167744ZHE#15

Tgt Ion: 76 Resp: 1765

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 37.577 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VN086418.D

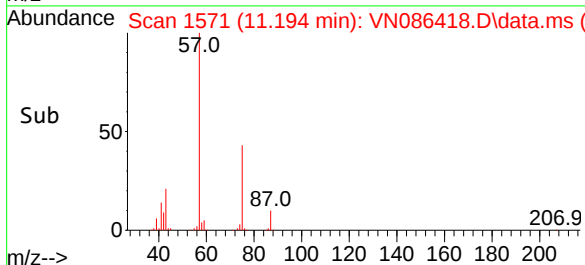
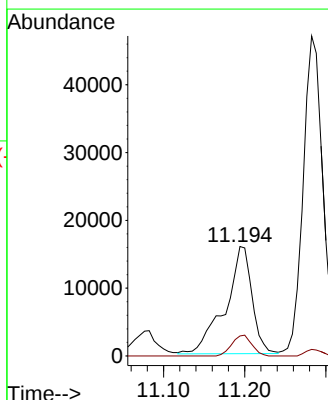
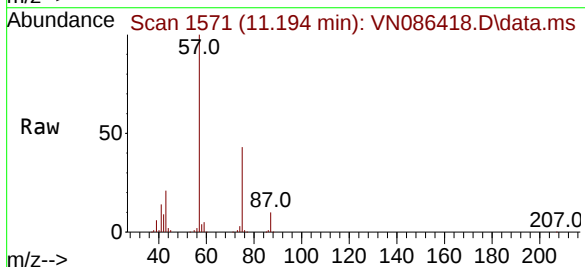
Acq: 29 Apr 2025 01:44

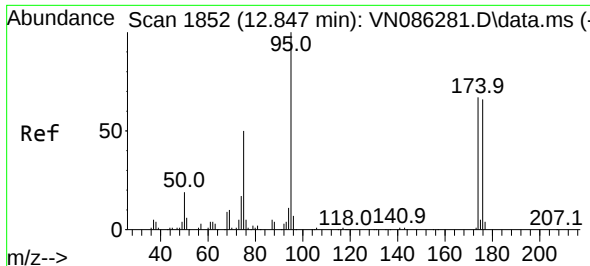
Tgt Ion: 43 Resp: 36198

Ion Ratio Lower Upper

43 100

58 14.5 28.3 85.0#

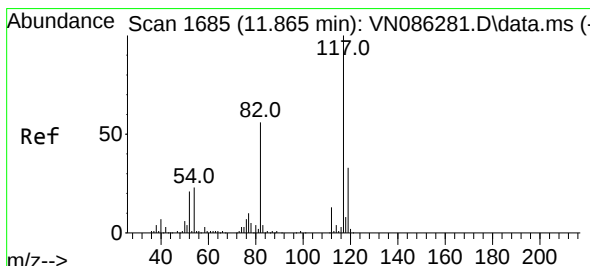
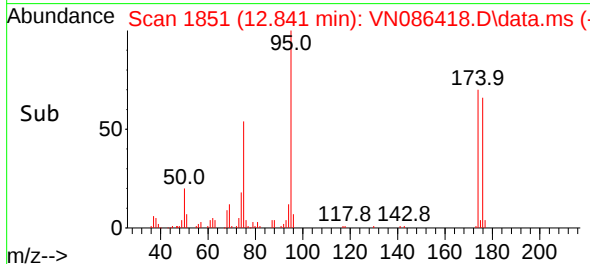
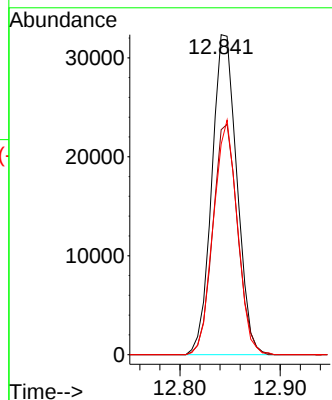
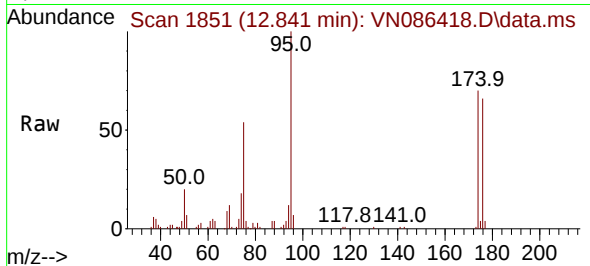




#62
4-Bromofluorobenzene
Concen: 47.673 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

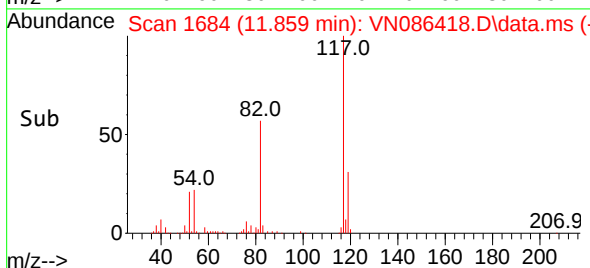
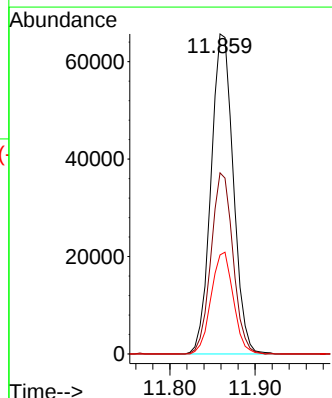
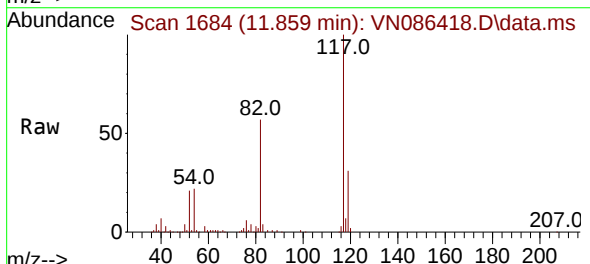
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#15

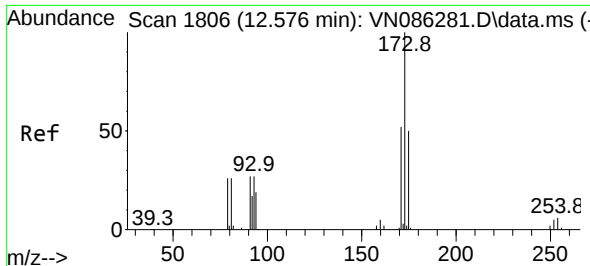
Tgt Ion: 95 Resp: 56051
Ion Ratio Lower Upper
95 100
174 71.3 0.0 133.4
176 70.3 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

Tgt Ion: 117 Resp: 119374
Ion Ratio Lower Upper
117 100
82 56.6 44.7 67.1
119 31.0 26.4 39.6

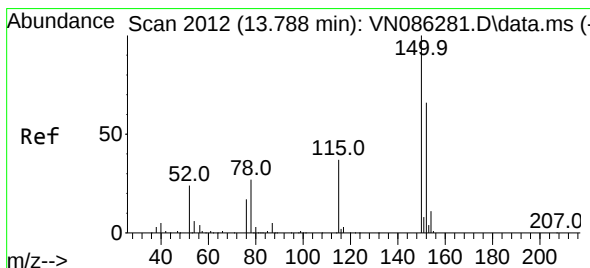
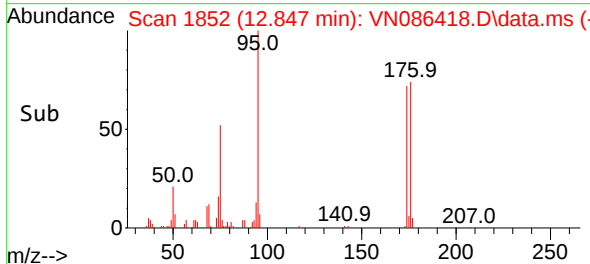
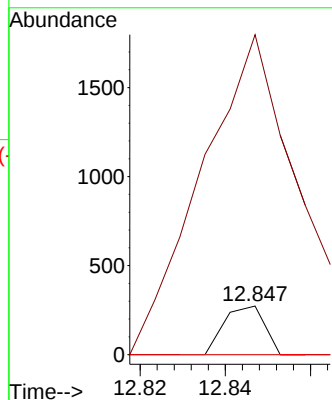
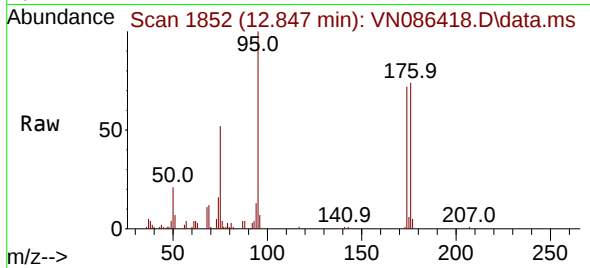




#71
Bromoform
Concen: 0.272 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

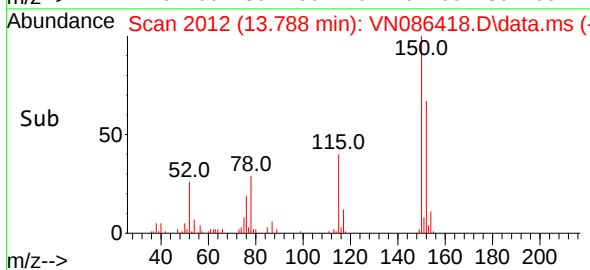
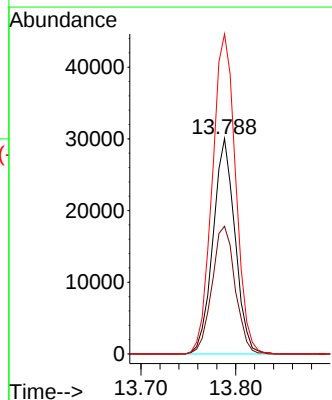
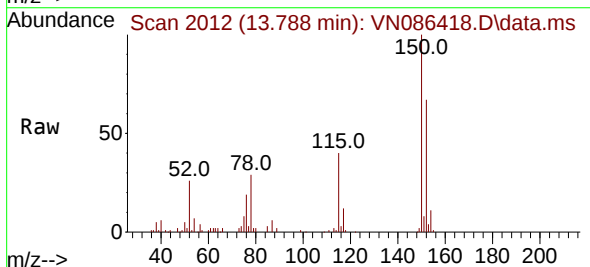
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#15

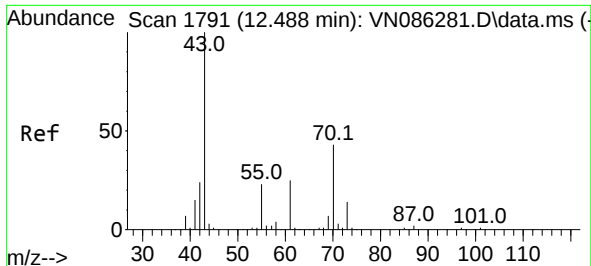
Tgt Ion:173 Resp: 180
Ion Ratio Lower Upper
173 100
175 1275.0 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

Tgt Ion:152 Resp: 48448
Ion Ratio Lower Upper
152 100
115 62.4 31.9 95.9
150 157.4 0.0 352.0

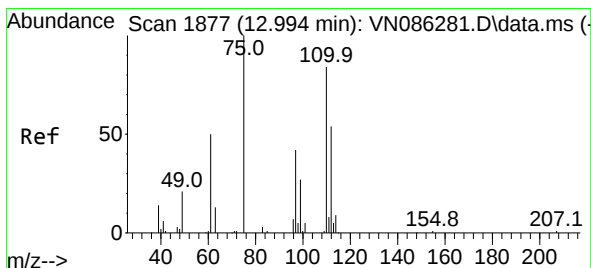
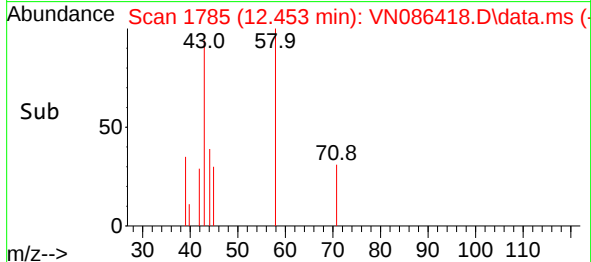
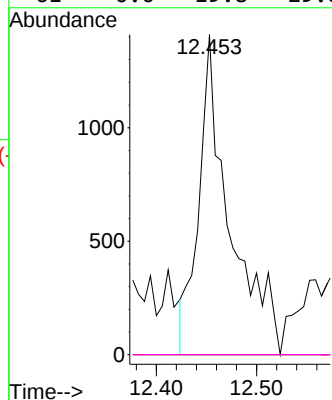
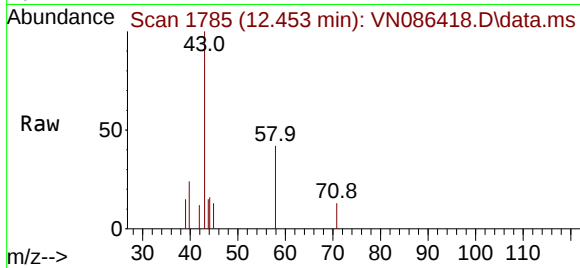




#74
N-amy1 acetate
Concen: 1.535 ug/l
RT: 12.453 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

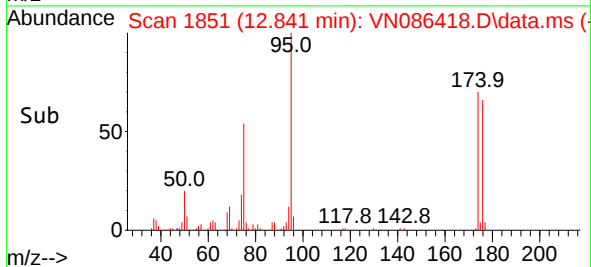
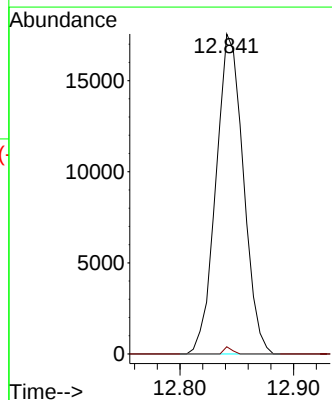
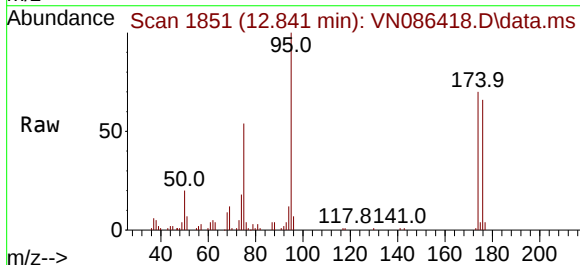
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#15

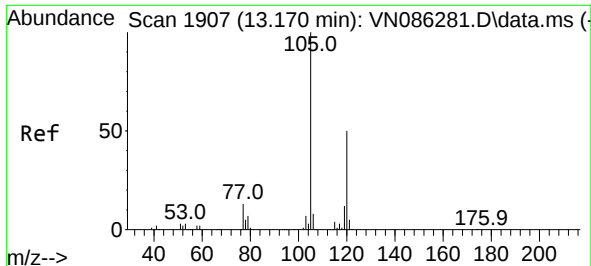
Tgt Ion: 43	Resp:	3028	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	35.0	52.4#
55	0.0	19.0	28.4#
61	0.0	19.8	29.8#



#76
1,2,3-Trichloropropane
Concen: 25.732 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.153 min
Lab File: VN086418.D
Acq: 29 Apr 2025 01:44

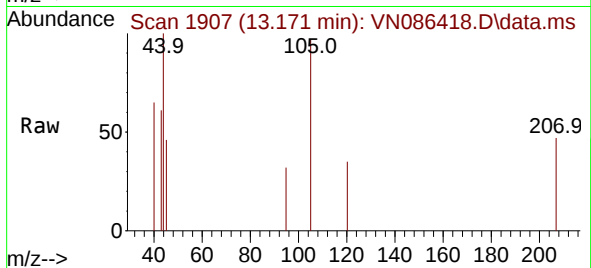
Tgt Ion: 75	Resp:	29419	
Ion Ratio	Lower	Upper	
75 100			
77 0.7	98.8	296.4#	



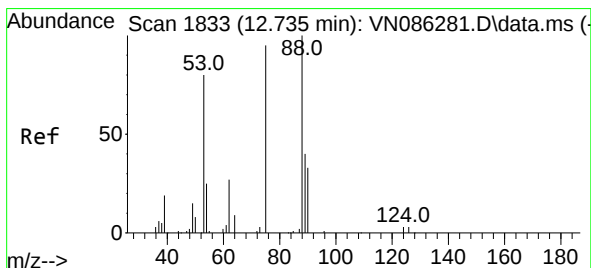
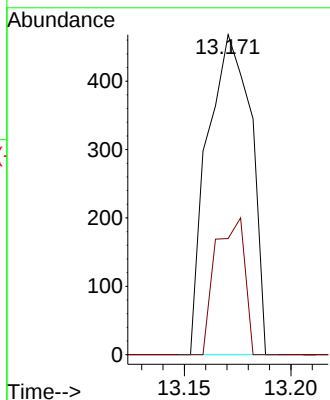
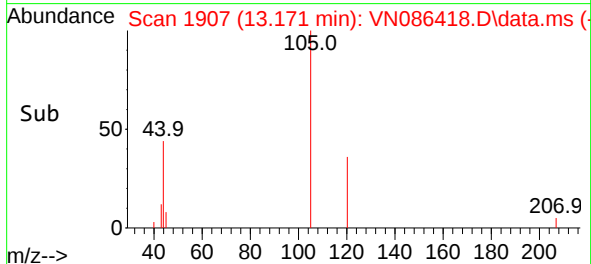


#80
 1,3,5-Trimethylbenzene
 Concen: 0.205 ug/l
 RT: 13.171 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VN086418.D
 Acq: 29 Apr 2025 01:44

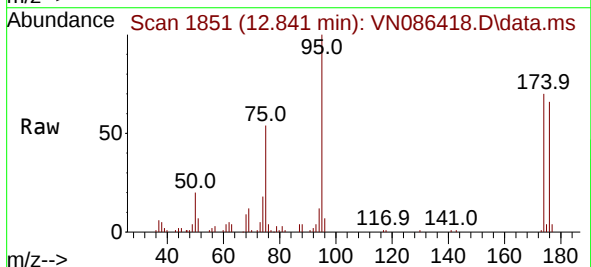
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#15



Tgt Ion:105 Resp: 665
 Ion Ratio Lower Upper
 105 100
 120 28.6 24.5 73.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.798 ug/l
 RT: 12.841 min Scan# 1851
 Delta R.T. 0.106 min
 Lab File: VN086418.D
 Acq: 29 Apr 2025 01:44



Tgt Ion: 75 Resp: 29419
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 35.7 53.5#

