

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
 Data File : VN085612.D
 Acq On : 31 Jan 2025 19:17
 Operator : JC\MD
 Sample : PB166357ZHE#17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166357ZHE#17

Quant Time: Jan 31 22:34:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

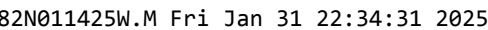
Internal Standards						
1) Pentafluorobenzene	8.224	168	161151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	329996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	302646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103424	50.000	ug/l	0.00

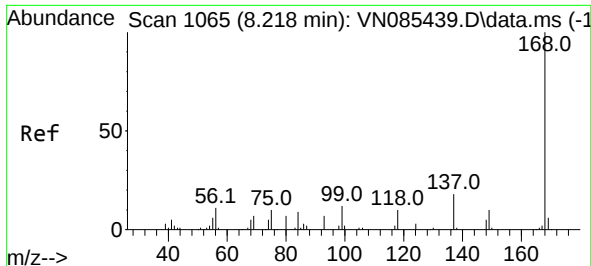
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152506	58.627	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.260%
35) Dibromofluoromethane	8.165	113	114752	50.124	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.240%
50) Toluene-d8	10.565	98	423069	52.012	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.020%
62) 4-Bromofluorobenzene	12.847	95	118167	42.469	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	84.940%

Target Compounds					Qvalue	
11) Tert butyl alcohol	5.518	59	177	0.594	ug/l #	71
16) Acetone	4.430	43	40716	48.442	ug/l	96
18) Methyl Acetate	5.030	43	3419	1.338	ug/l #	65
20) Methylene Chloride	5.277	84	3367	1.618	ug/l #	82
25) 2-Butanone	7.506	43	4840	3.913	ug/l	99
29) Tetrahydrofuran	7.841	42	223	0.284	ug/l #	34
30) Chloroform	7.971	83	1425	0.363	ug/l	91
31) Cyclohexane	8.224	56	4585	1.389	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14595	4.542	ug/l #	51
37) Ethyl Acetate	7.571	43	3754	1.158	ug/l #	81
38) Carbon Tetrachloride	8.224	117	18389	4.999	ug/l #	18
43) Isopropyl Acetate	8.688	43	261757	50.370	ug/l #	77
45) 1,2-Dichloropropane	9.735	63	2036	0.826	ug/l #	43
48) Methyl methacrylate	9.741	41	149748	64.033	ug/l #	46
49) 1,4-Dioxane	9.741	88	120	3.047	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12250	4.062	ug/l #	75
53) t-1,3-Dichloropropene	10.729	75	947	0.276	ug/l	96
54) cis-1,3-Dichloropropene	10.359	75	45731	12.497	ug/l #	74
56) Ethyl methacrylate	10.988	69	2323	2.530	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7253	1.884	ug/l #	43
59) 2-Hexanone	11.200	43	89929	42.383	ug/l #	58
71) Bromoform	12.841	173	799	0.459	ug/l #	1
74) N-amyl acetate	12.482	43	2238	0.713	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	67514	32.117	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67514	86.895	ug/l #	3

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

Quant Time: Jan 31 22:34:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

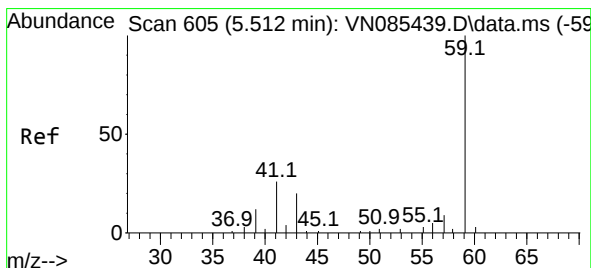
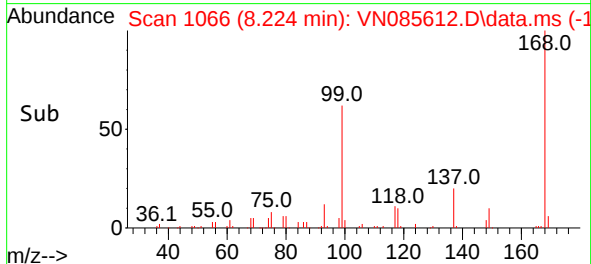
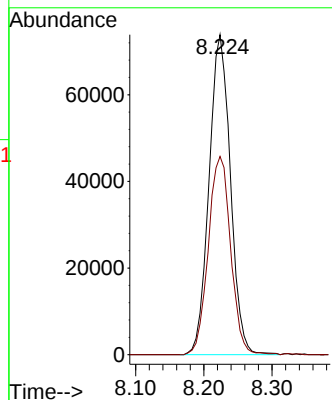
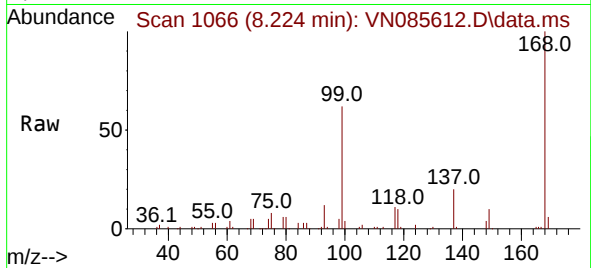




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

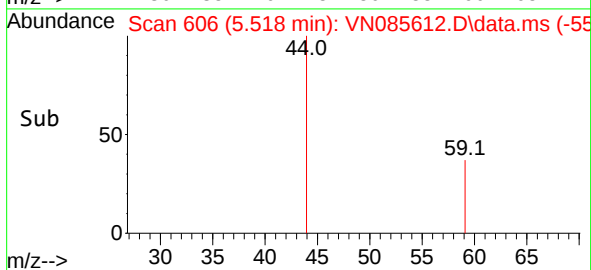
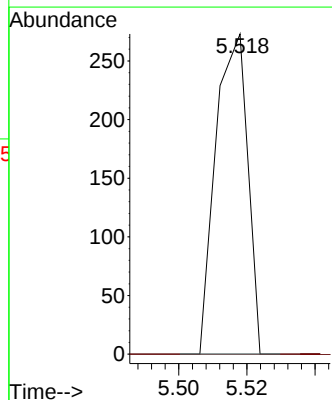
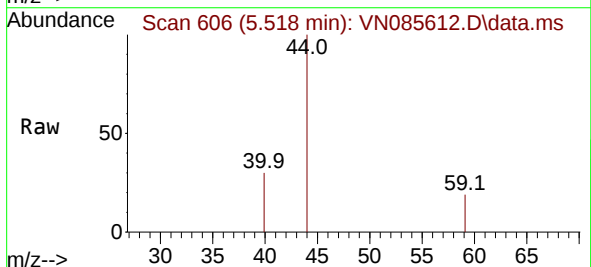
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#17

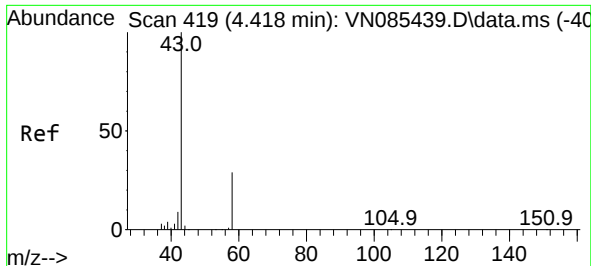
Tgt Ion:168 Resp: 161151
Ion Ratio Lower Upper
168 100
99 61.9 53.6 80.4



#11
Tert butyl alcohol
Concen: 0.594 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

Tgt Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

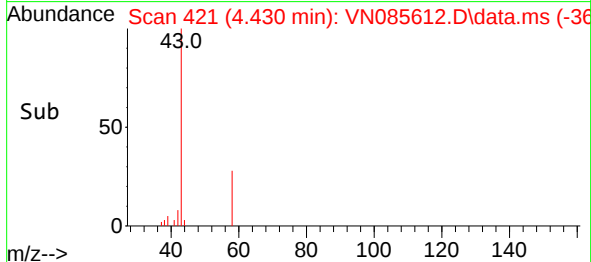
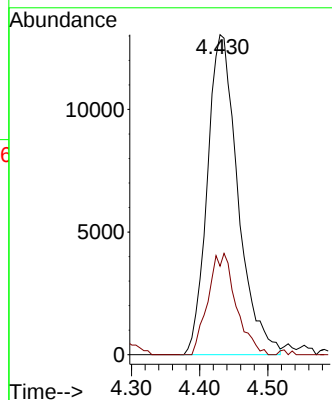
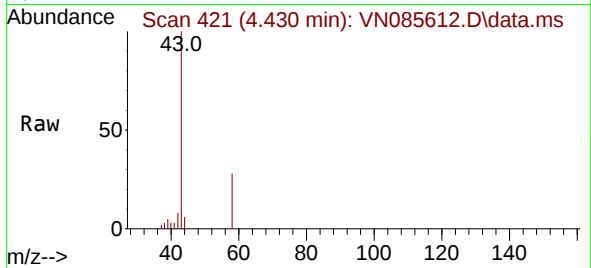




#16
Acetone
Concen: 48.442 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

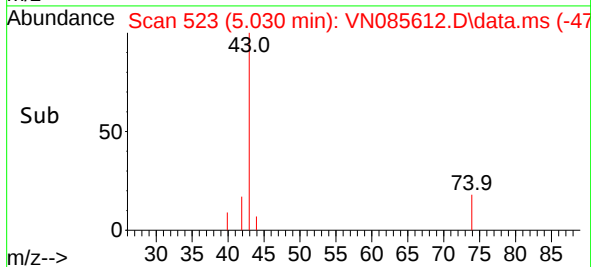
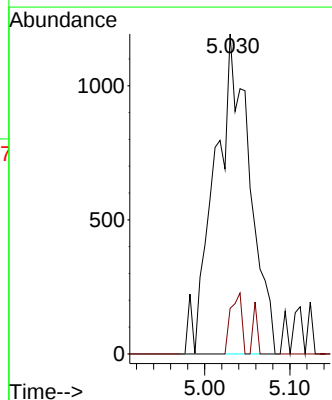
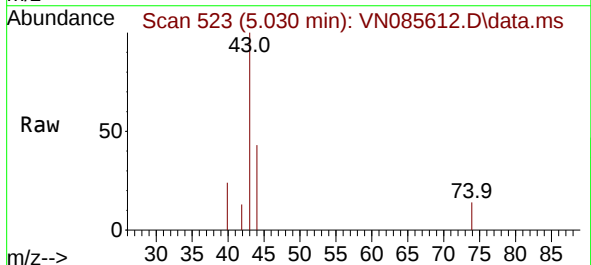
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#17

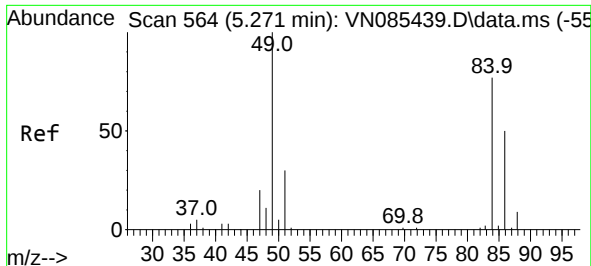
Tgt Ion: 43 Resp: 40716
Ion Ratio Lower Upper
43 100
58 27.7 23.8 35.6



#18
Methyl Acetate
Concen: 1.338 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

Tgt Ion: 43 Resp: 3419
Ion Ratio Lower Upper
43 100
74 6.0 18.6 28.0#

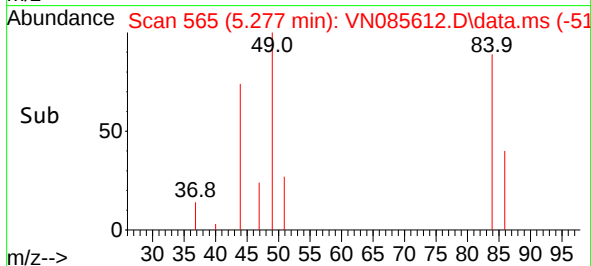
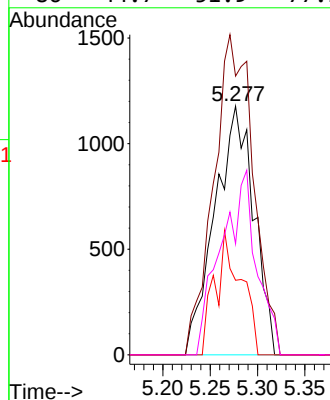
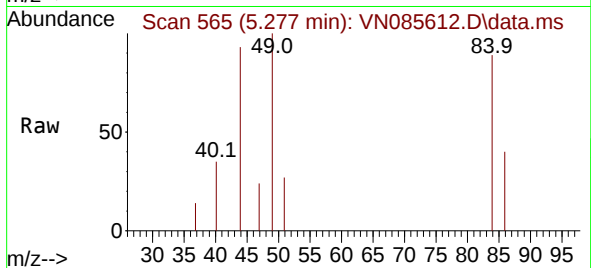




#20
Methylene Chloride
Concen: 1.618 ug/l
RT: 5.277 min Scan# 501
Delta R.T. 0.006 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

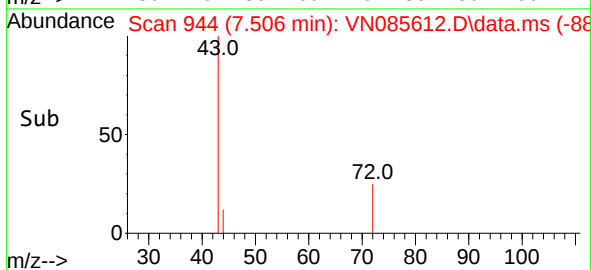
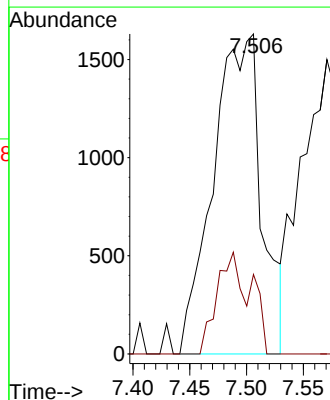
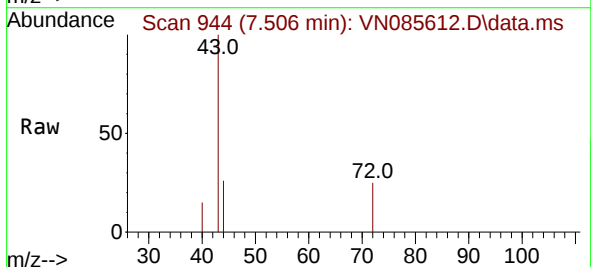
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#17

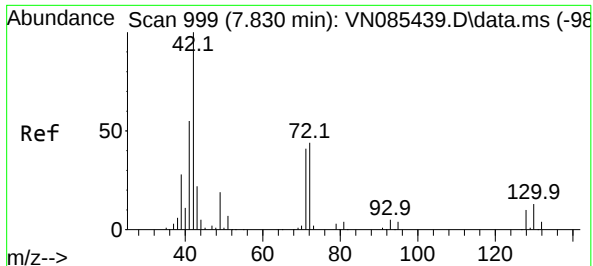
Tgt Ion:	84	Resp:	3367
Ion	Ratio	Lower	Upper
84	100		
49	112.1	104.1	156.1
51	30.0	31.0	46.4#
86	44.7	51.9	77.9#



#25
2-Butanone
Concen: 3.913 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.029 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

Tgt Ion:	43	Resp:	4840
Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.2	30.4





#29

Tetrahydrofuran

Concen: 0.284 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.012 min

Lab File: VN085612.D

Acq: 31 Jan 2025 19:17

Instrument :

MSVOA_N

ClientSampleId :

PB166357ZHE#17

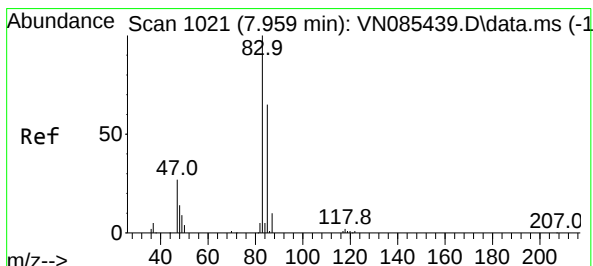
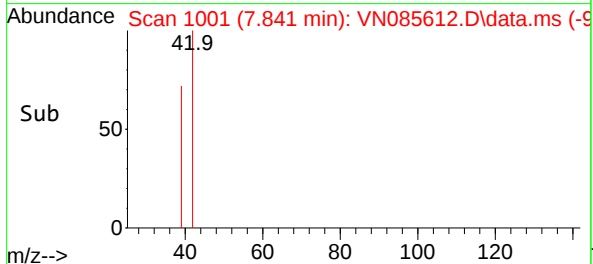
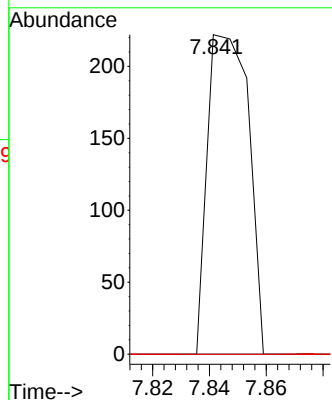
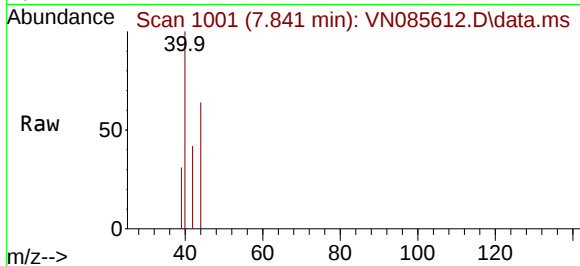
Tgt Ion: 42 Resp: 223

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

71 0.0 32.5 48.7#



#30

Chloroform

Concen: 0.363 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.012 min

Lab File: VN085612.D

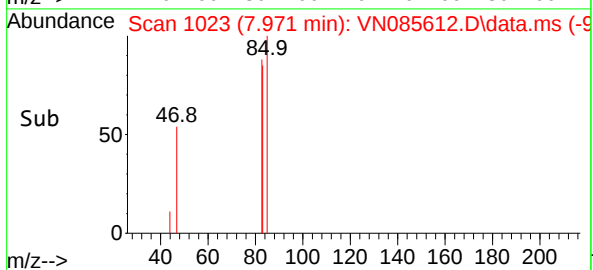
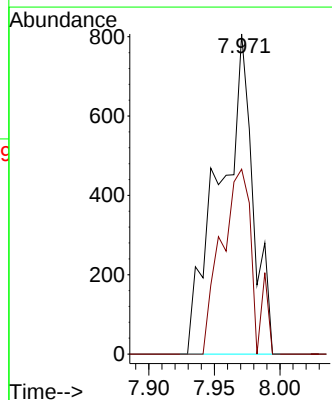
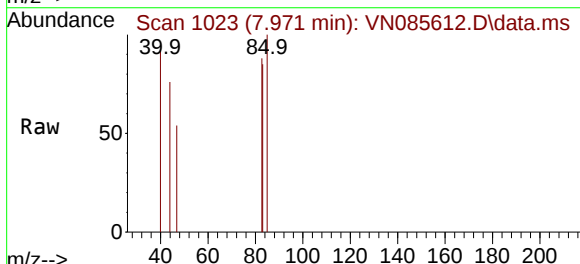
Acq: 31 Jan 2025 19:17

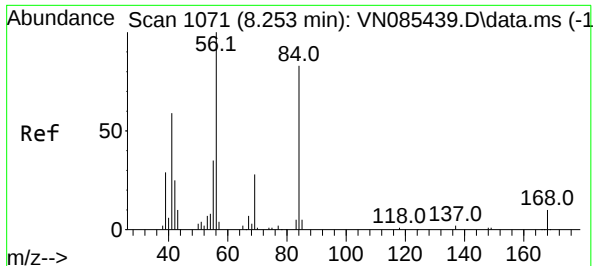
Tgt Ion: 83 Resp: 1425

Ion Ratio Lower Upper

83 100

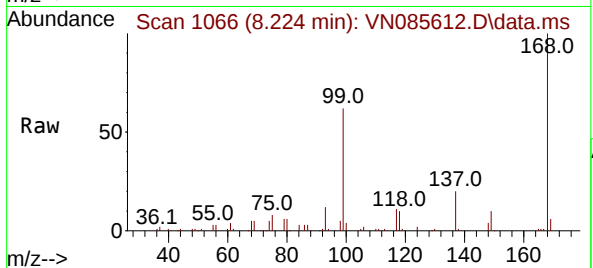
85 57.7 51.8 77.6



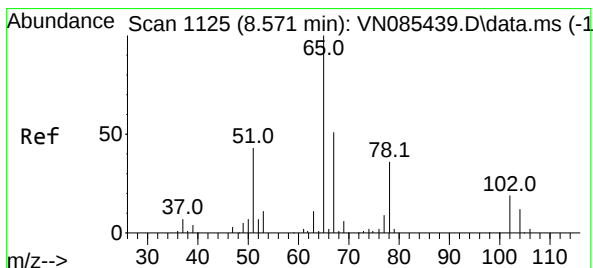
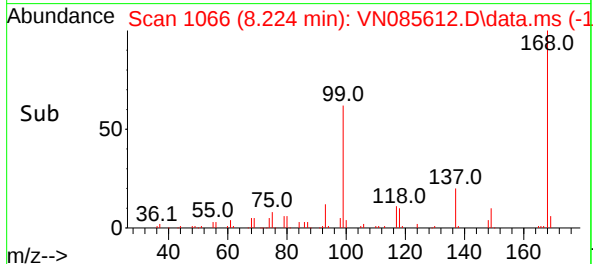
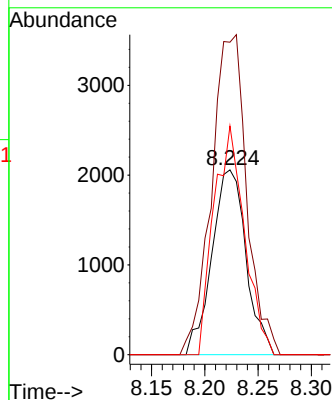


#31
Cyclohexane
Concen: 1.389 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#17

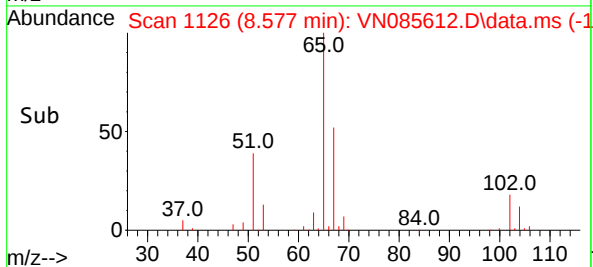
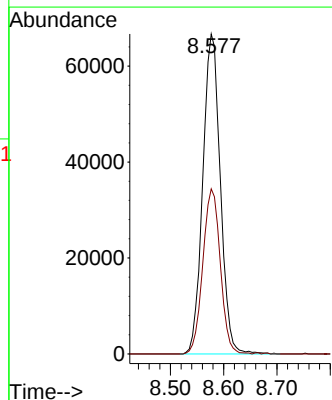
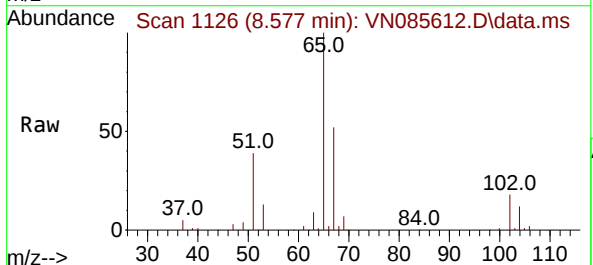


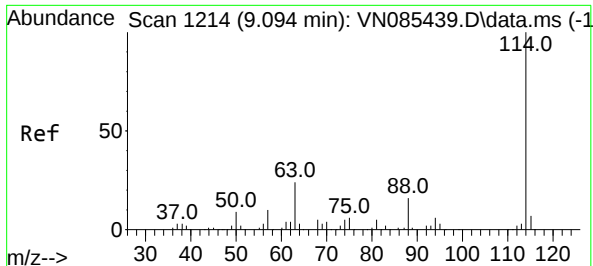
Tgt Ion: 56 Resp: 4585
Ion Ratio Lower Upper
56 100
69 169.1 22.2 33.4#
84 123.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.627 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

Tgt Ion: 65 Resp: 152506
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.6

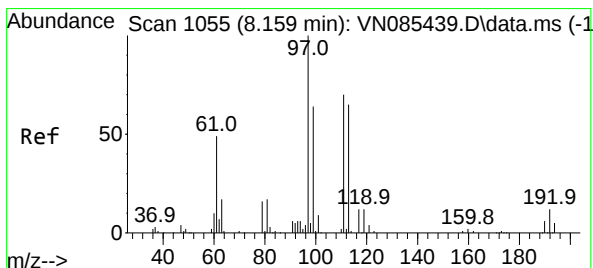
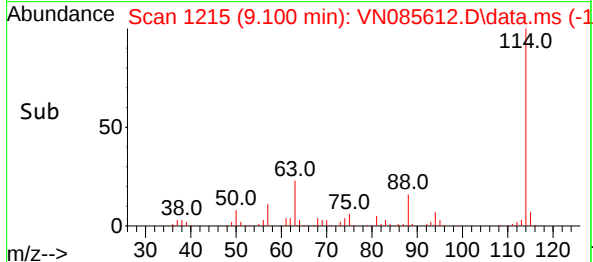
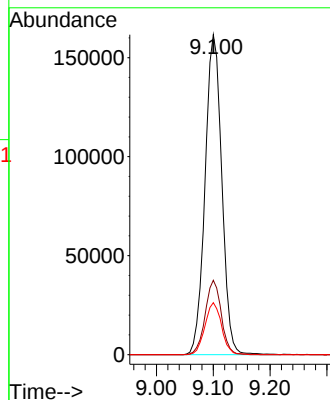
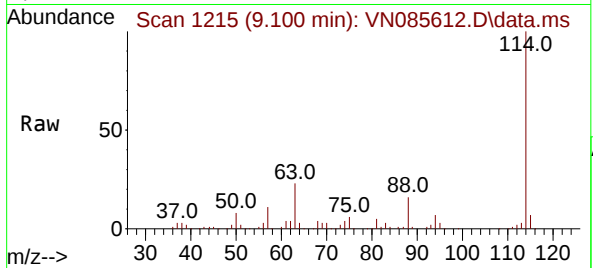




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

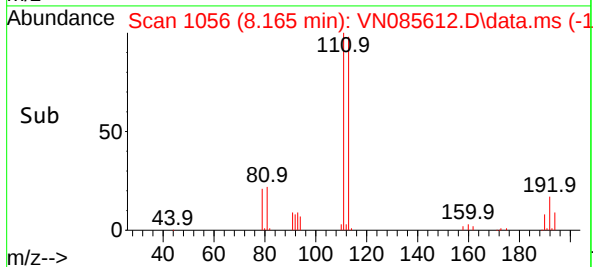
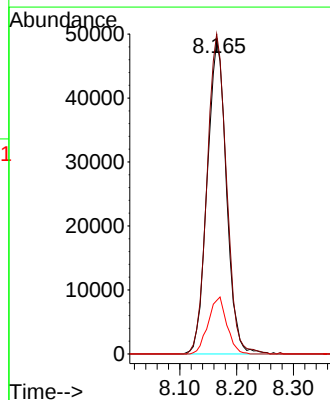
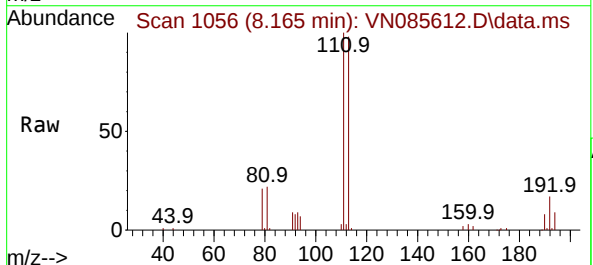
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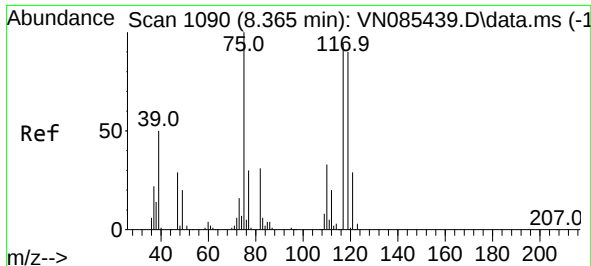
Tgt Ion:114 Resp: 329996
Ion Ratio Lower Upper
114 100
63 23.2 0.0 47.6
88 16.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.124 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

Tgt Ion:113 Resp: 114752
Ion Ratio Lower Upper
113 100
111 103.2 82.7 124.1
192 17.6 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.542 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085612.D

Acq: 31 Jan 2025 19:17

Instrument :

MSVOA_N

ClientSampleId :

PB166357ZHE#17

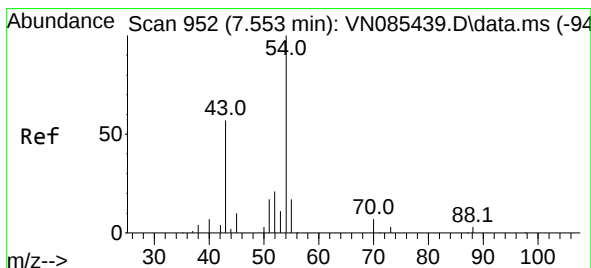
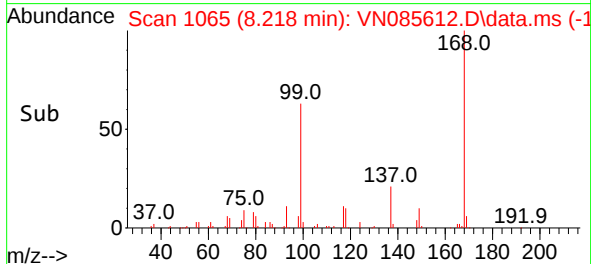
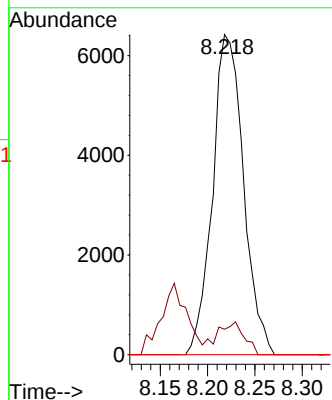
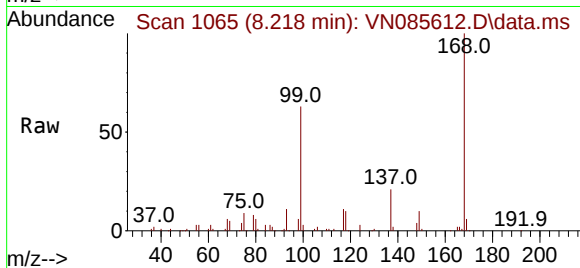
Tgt Ion: 75 Resp: 14595

Ion Ratio Lower Upper

75 100

110 9.1 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.158 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.018 min

Lab File: VN085612.D

Acq: 31 Jan 2025 19:17

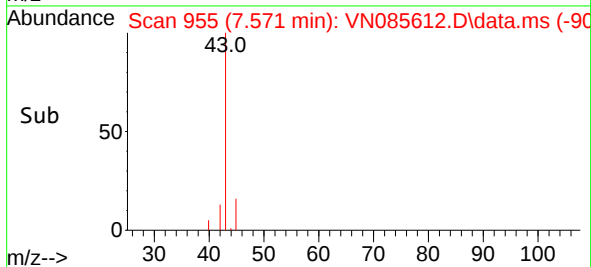
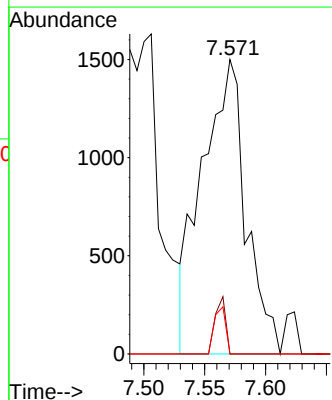
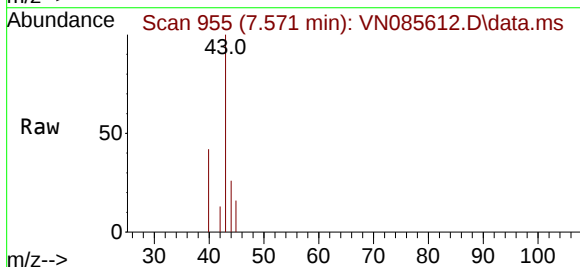
Tgt Ion: 43 Resp: 3754

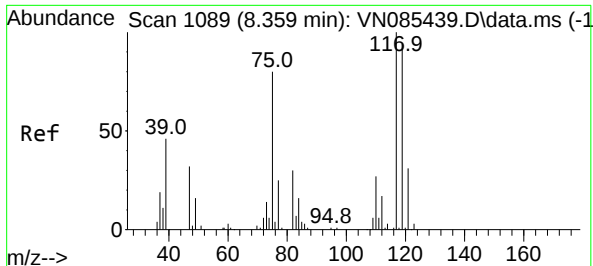
Ion Ratio Lower Upper

43 100

61 4.7 10.9 16.3#

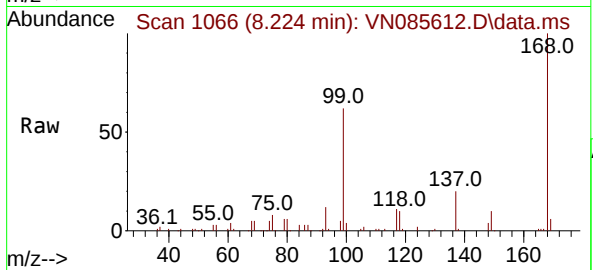
70 4.1 7.5 11.3#



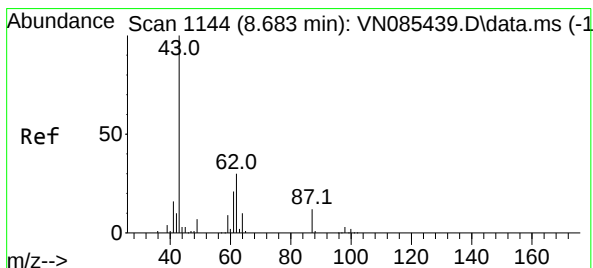
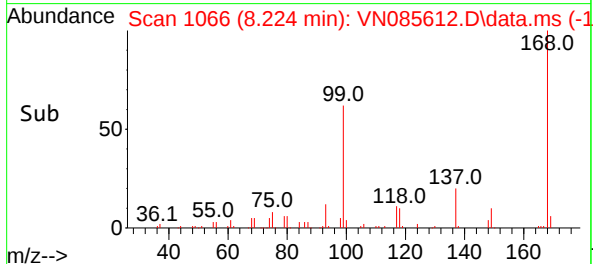
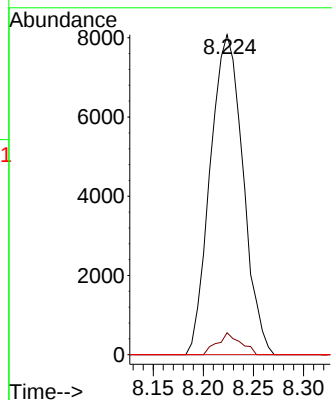


#38
Carbon Tetrachloride
Concen: 4.999 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#17

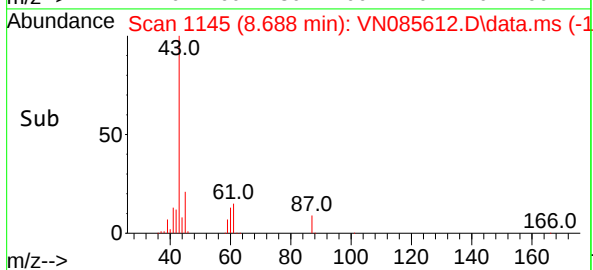
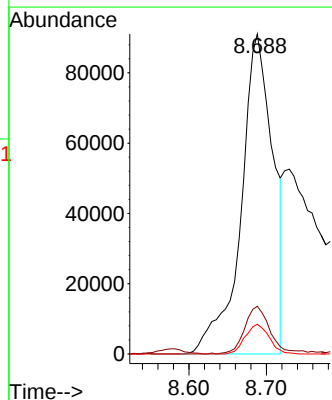
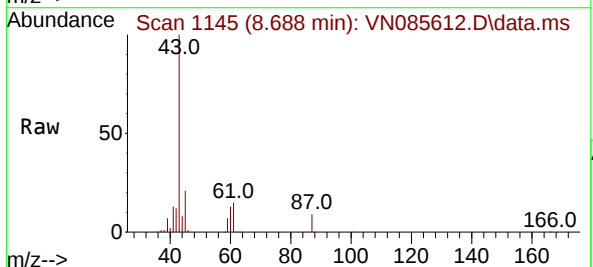


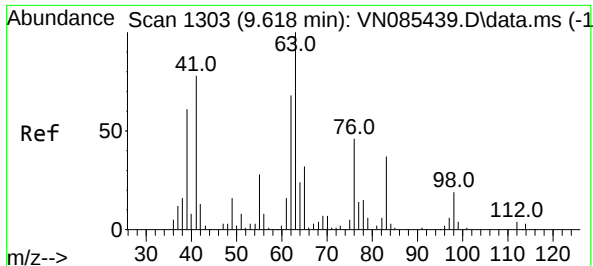
Tgt Ion:117 Resp: 18389
Ion Ratio Lower Upper
117 100
119 6.8 75.4 113.2#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 50.370 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

Tgt Ion: 43 Resp: 261757
Ion Ratio Lower Upper
43 100
61 12.2 20.7 31.1#
87 6.9 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 0.826 ug/l

RT: 9.735 min Scan# 1

Delta R.T. 0.118 min

Lab File: VN085612.D

Acq: 31 Jan 2025 19:17

Instrument :

MSVOA_N

ClientSampleId :

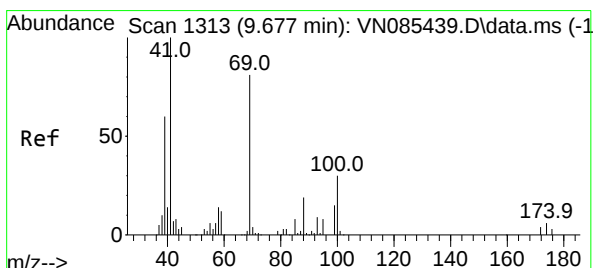
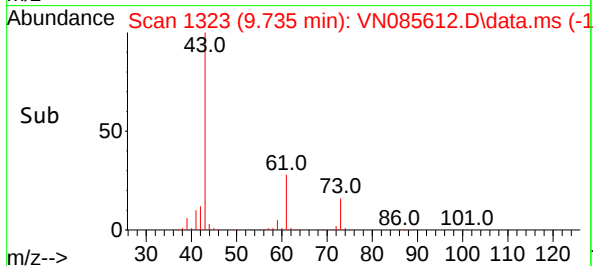
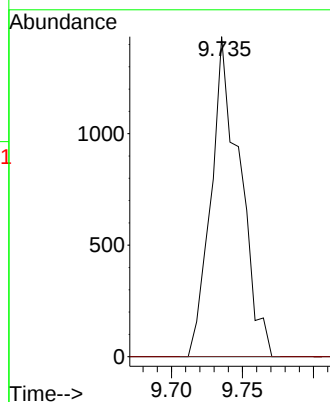
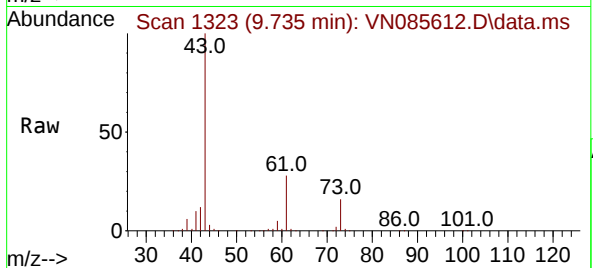
PB166357ZHE#17

Tgt Ion: 63 Resp: 2036

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 64.033 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.064 min

Lab File: VN085612.D

Acq: 31 Jan 2025 19:17

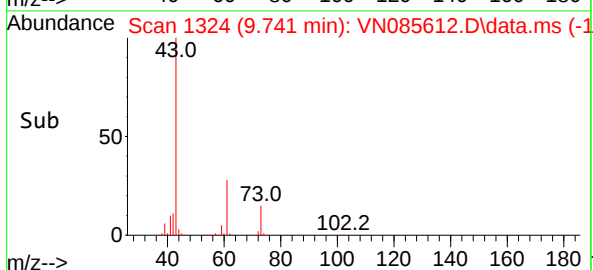
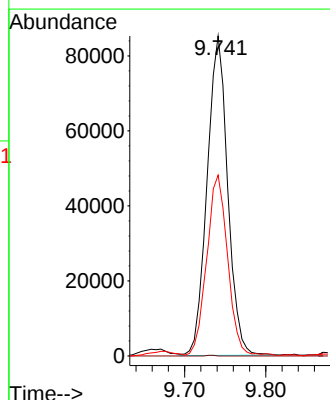
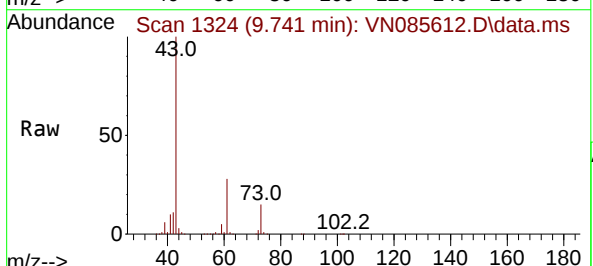
Tgt Ion: 41 Resp: 149748

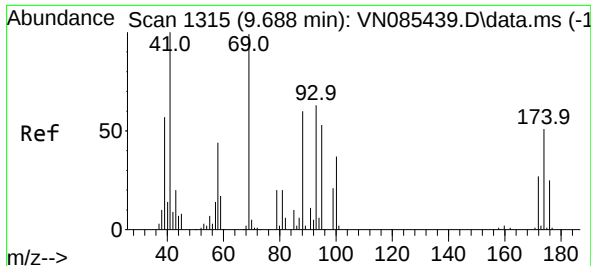
Ion Ratio Lower Upper

41 100

69 0.1 64.7 97.1#

39 57.2 49.0 73.6

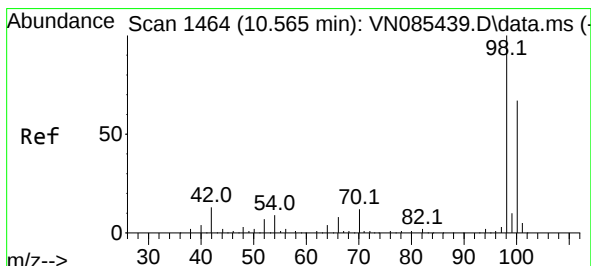
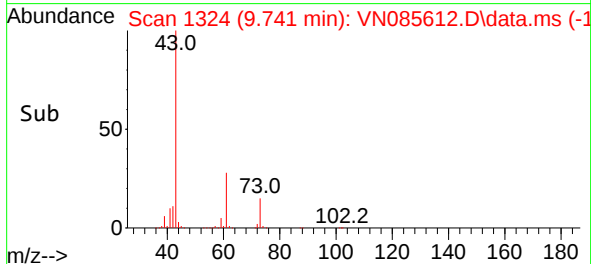
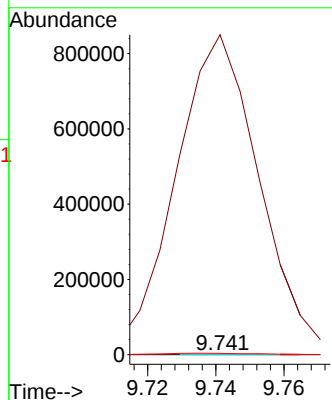
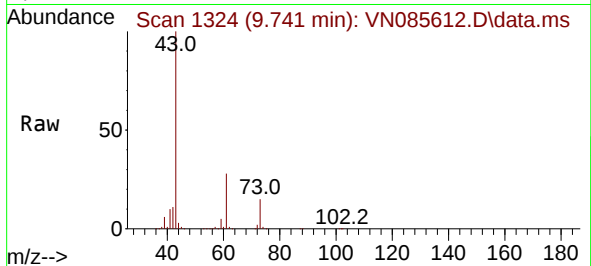




#49
1,4-Dioxane
Concen: 3.047 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

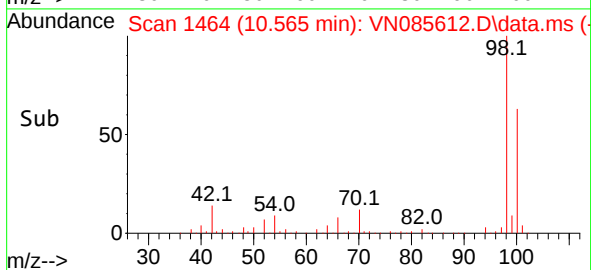
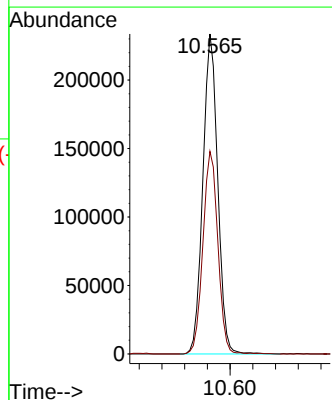
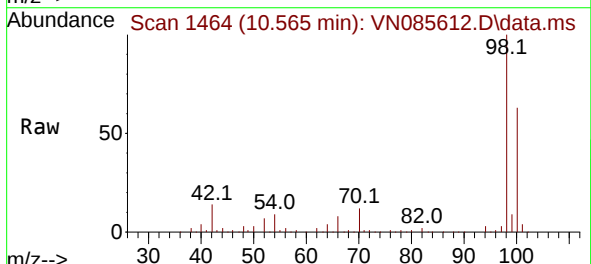
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#17

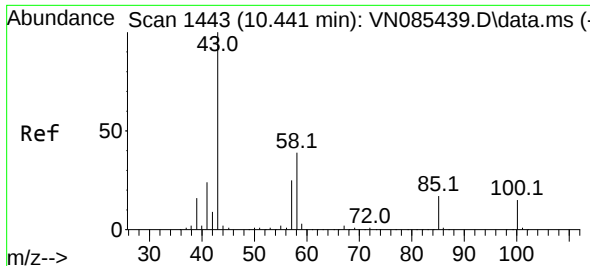
Tgt Ion: 88 Resp: 120
Ion Ratio Lower Upper
88 100
43 1221743.3 26.6 39.8#
58 6767.5 59.5 89.3#



#50
Toluene-d8
Concen: 52.012 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

Tgt Ion: 98 Resp: 423069
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.4

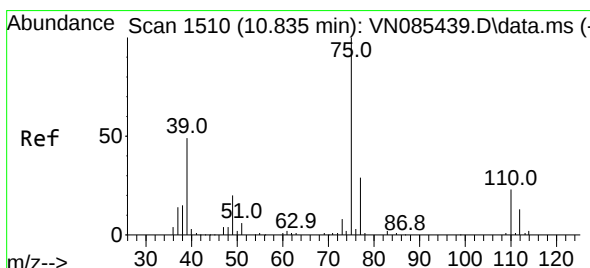
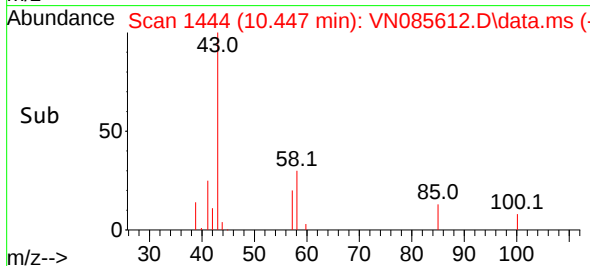
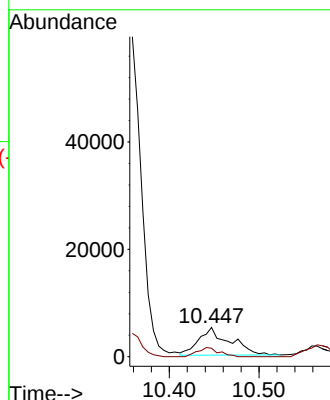
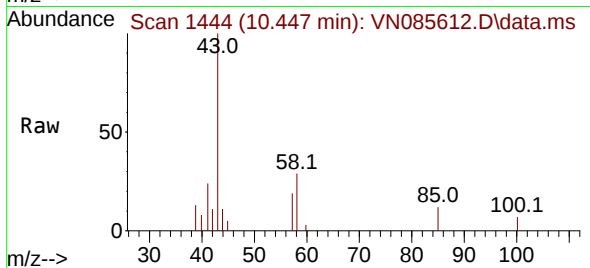




#51
4-Methyl-2-Pentanone
Concen: 4.062 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

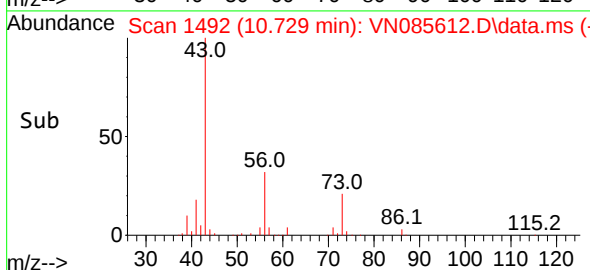
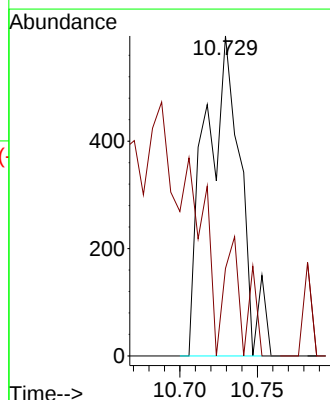
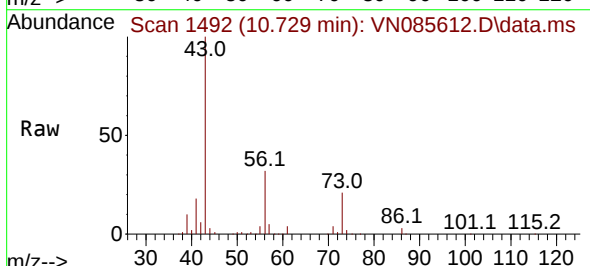
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#17

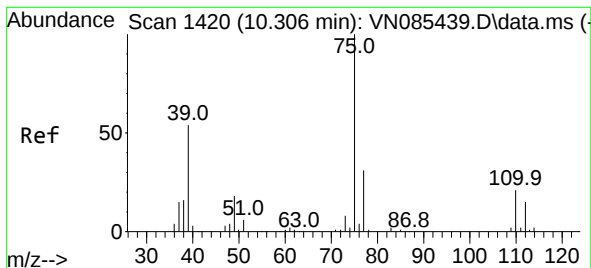
Tgt Ion: 43 Resp: 12250
Ion Ratio Lower Upper
43 100
58 22.9 30.5 45.7#



#53
t-1,3-Dichloropropene
Concen: 0.276 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

Tgt Ion: 75 Resp: 947
Ion Ratio Lower Upper
75 100
77 27.3 23.5 35.3

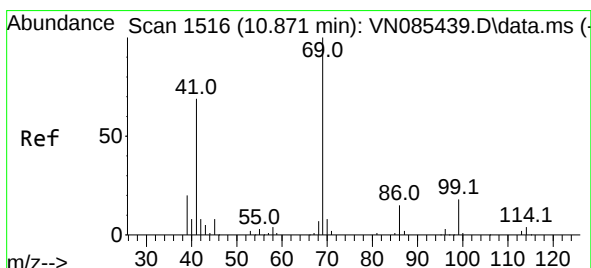
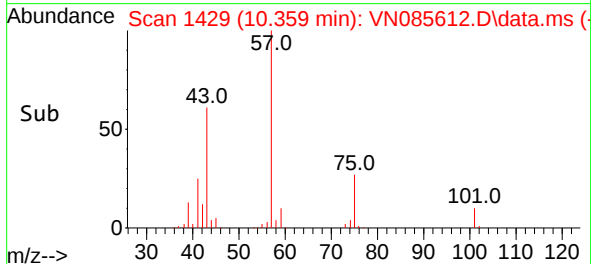
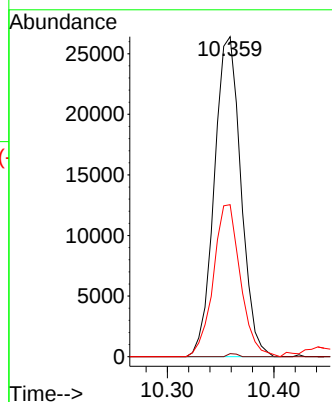
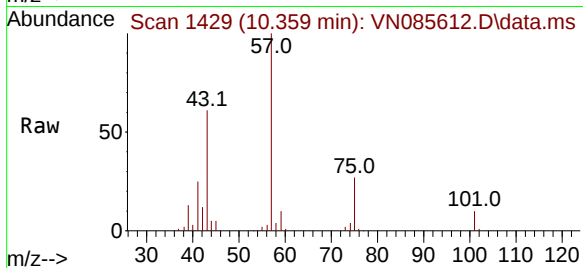




#54
cis-1,3-Dichloropropene
Concen: 12.497 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

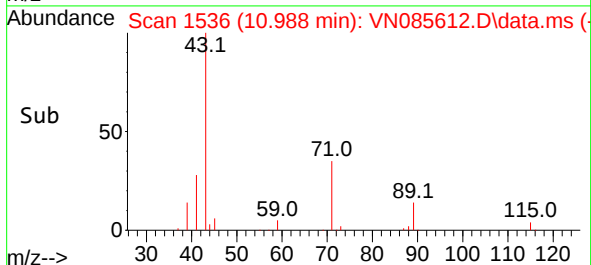
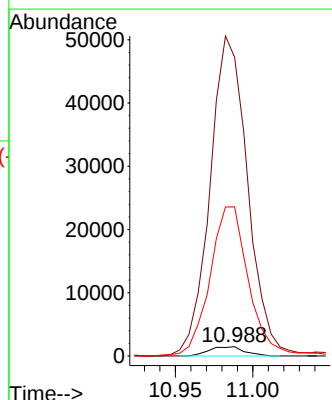
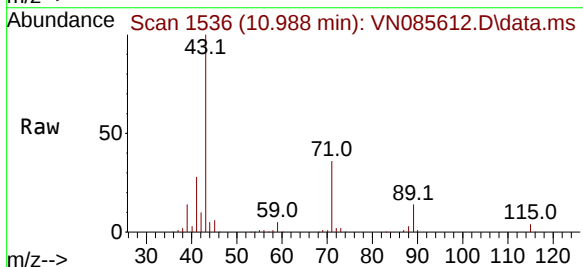
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#17

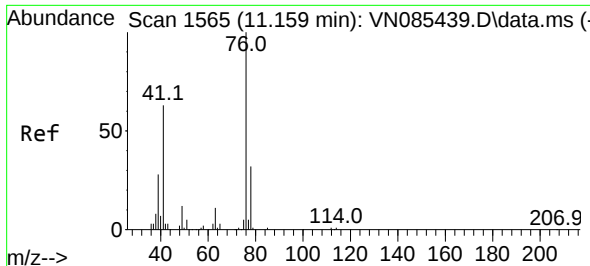
Tgt Ion: 75 Resp: 45731
Ion Ratio Lower Upper
75 100
77 0.9 25.0 37.4#
39 47.5 43.1 64.7



#56
Ethyl methacrylate
Concen: 2.530 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.117 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

Tgt Ion: 69 Resp: 2323
Ion Ratio Lower Upper
69 100
41 3691.6 54.6 82.0#
39 1773.1 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.884 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.047 min

Lab File: VN085612.D

Acq: 31 Jan 2025 19:17

Instrument :

MSVOA_N

ClientSampleId :

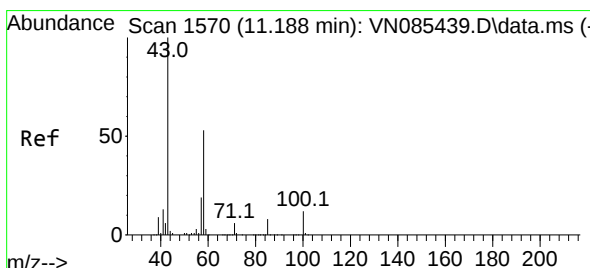
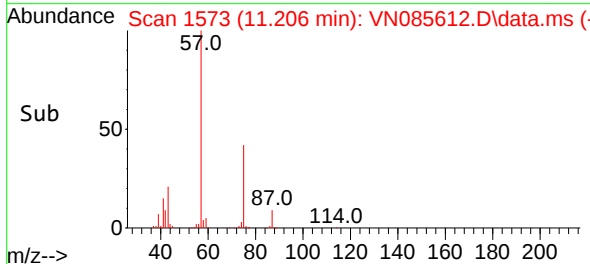
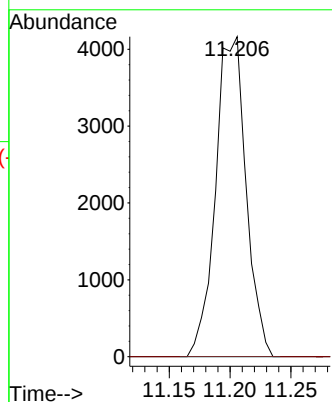
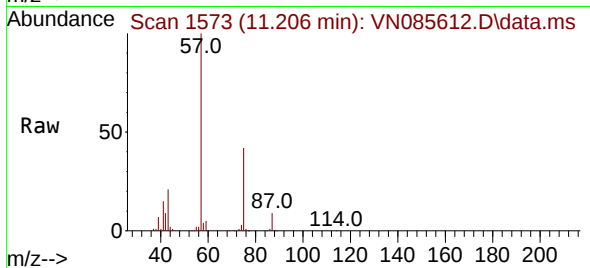
PB166357ZHE#17

Tgt Ion: 76 Resp: 7253

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 42.383 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085612.D

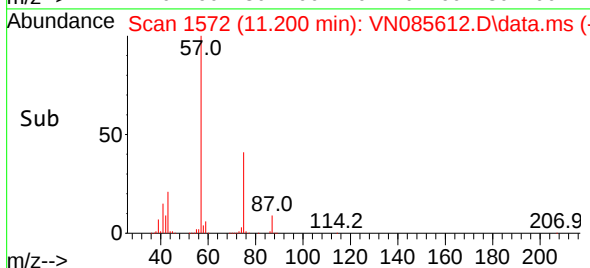
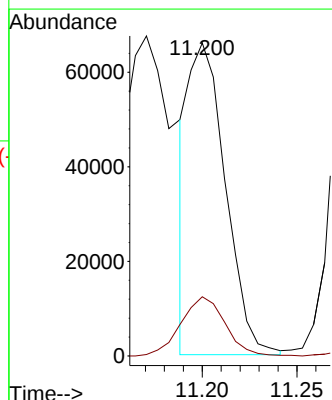
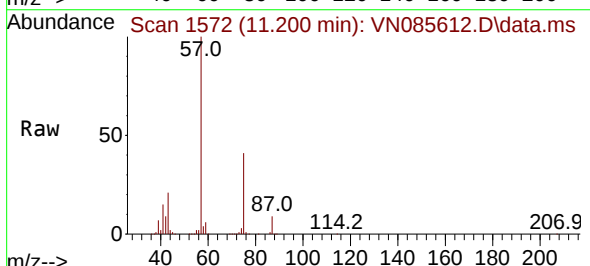
Acq: 31 Jan 2025 19:17

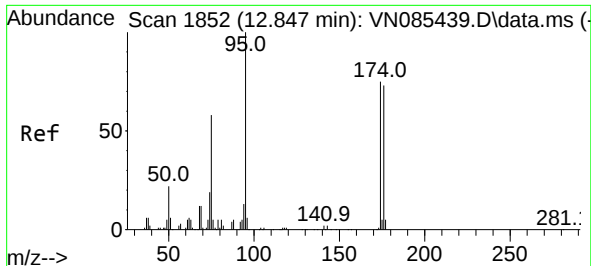
Tgt Ion: 43 Resp: 89929

Ion Ratio Lower Upper

43 100

58 22.6 26.2 78.6#

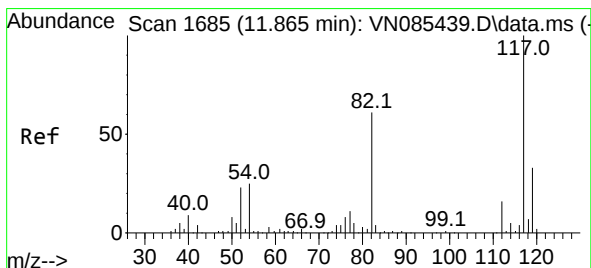
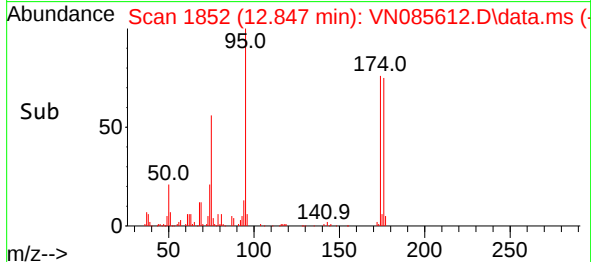
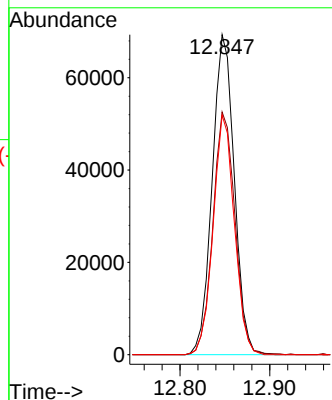
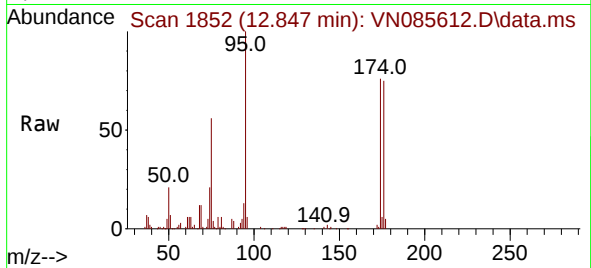




#62
4-Bromofluorobenzene
Concen: 42.469 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

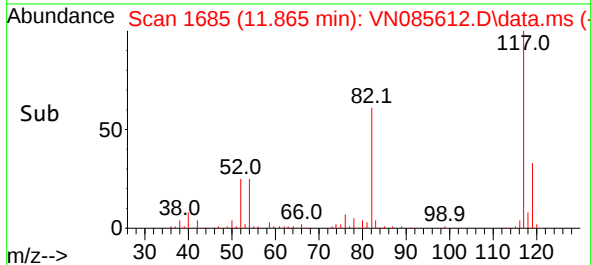
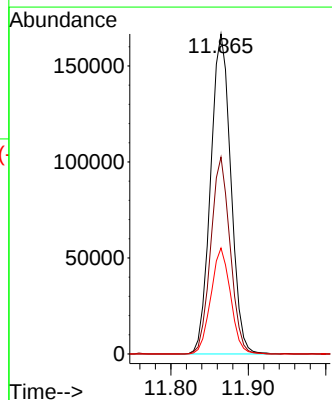
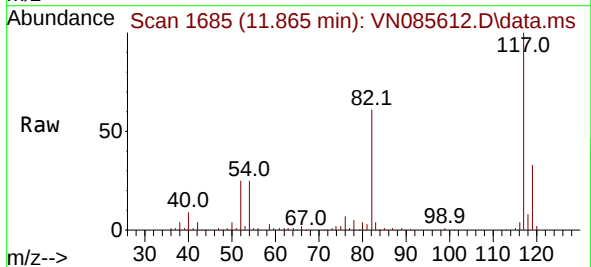
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#17

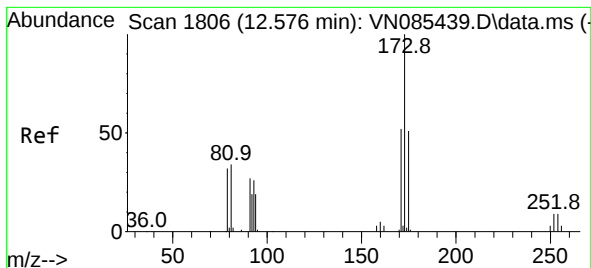
Tgt Ion: 95 Resp: 118167
Ion Ratio Lower Upper
95 100
174 76.2 0.0 145.0
176 72.4 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

Tgt Ion: 117 Resp: 302646
Ion Ratio Lower Upper
117 100
82 61.5 48.6 72.8
119 33.1 26.6 39.8





#71

Bromoform

Concen: 0.459 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN085612.D

Acq: 31 Jan 2025 19:17

Instrument :

MSVOA_N

ClientSampleId :

PB166357ZHE#17

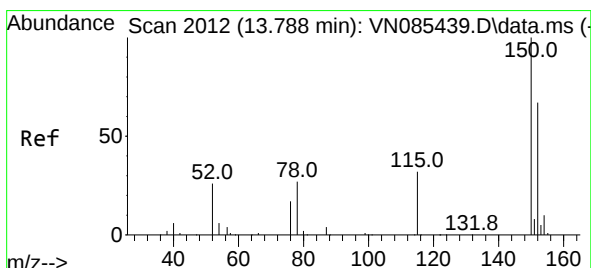
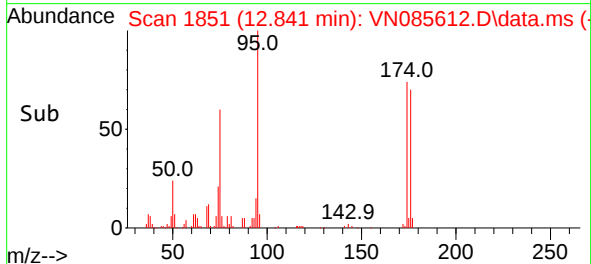
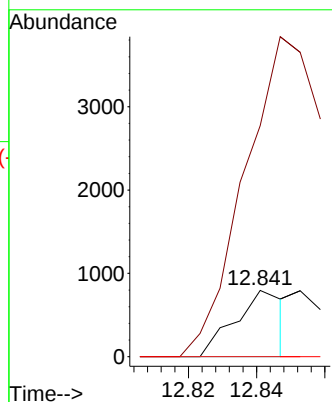
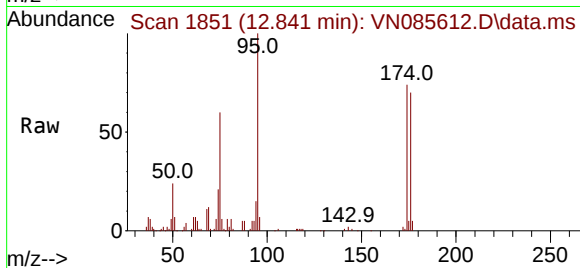
Tgt Ion:173 Resp: 799

Ion Ratio Lower Upper

173 100

175 594.7 24.4 73.2#

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: VN085612.D

Acq: 31 Jan 2025 19:17

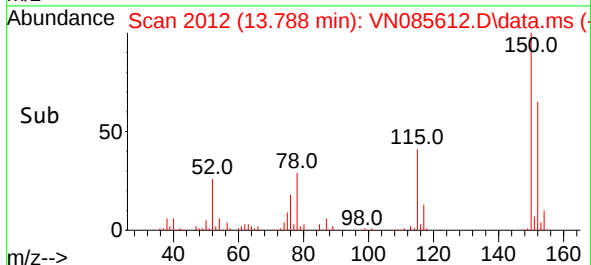
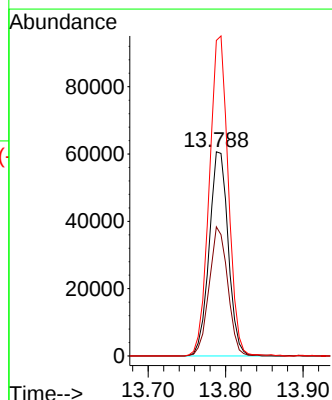
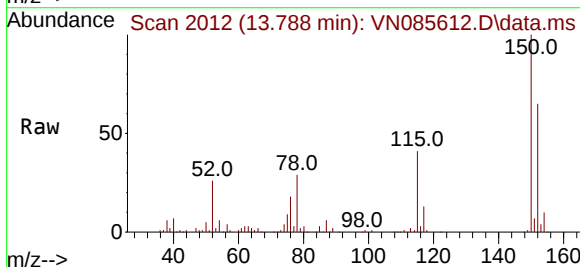
Tgt Ion:152 Resp: 103424

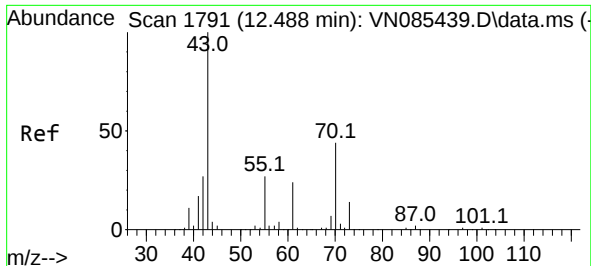
Ion Ratio Lower Upper

152 100

115 61.7 31.1 93.3

150 155.9 0.0 343.6

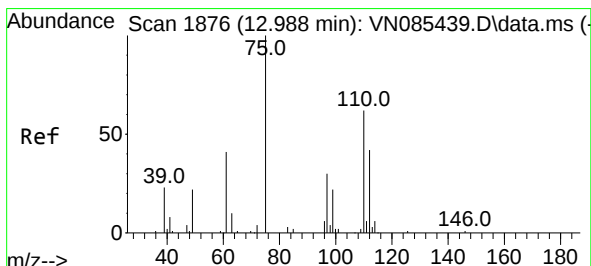
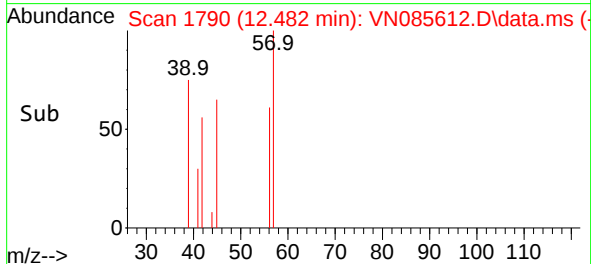
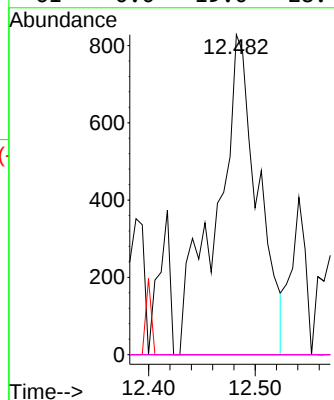
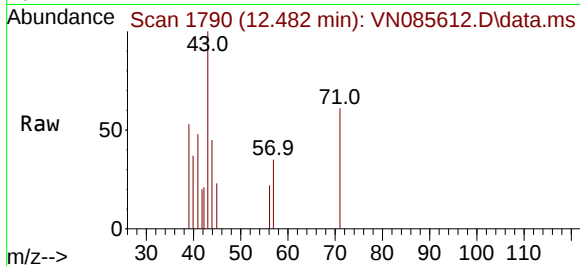




#74
N-amy1 acetate
Concen: 0.713 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

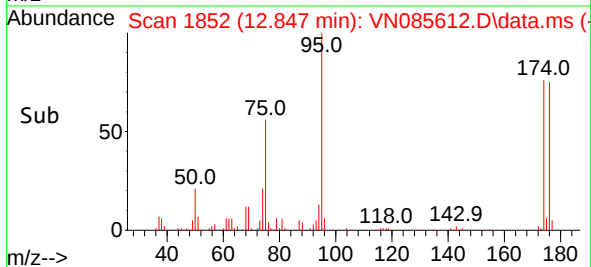
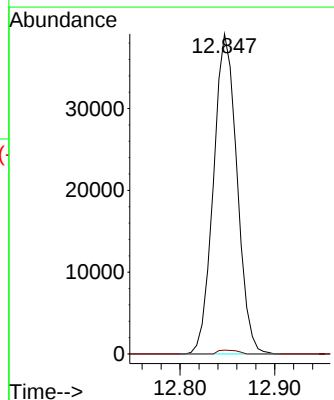
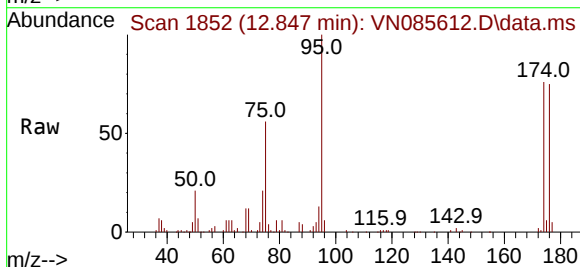
Instrument :
MSVOA_N
ClientSampleId :
PB166357ZHE#17

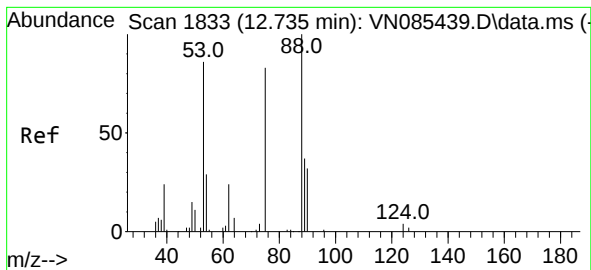
Tgt	Ion: 43	Resp:	2238
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.0	51.0#
55	0.0	21.4	32.2#
61	0.0	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 32.117 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085612.D
Acq: 31 Jan 2025 19:17

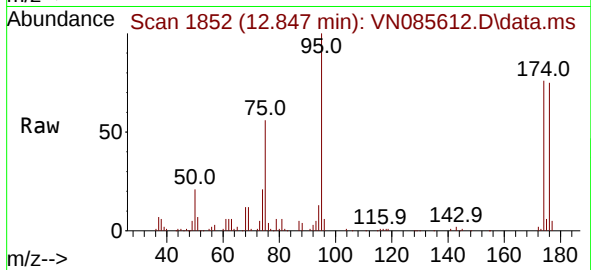
Tgt Ion: 75	Resp:	67514	
Ion Ratio	Lower	Upper	
75 100			
77 1.0	109.7	329.2#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.895 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085612.D
 Acq: 31 Jan 2025 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 PB166357ZHE#17



Tgt Ion: 75 Resp: 67514
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.6 143.4#
 89 0.1 37.0 55.6#

