

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085939.D
 Acq On : 11 Mar 2025 18:16
 Operator : JC\MD
 Sample : PB167050ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167050ZHE#06

Quant Time: Mar 12 01:26:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

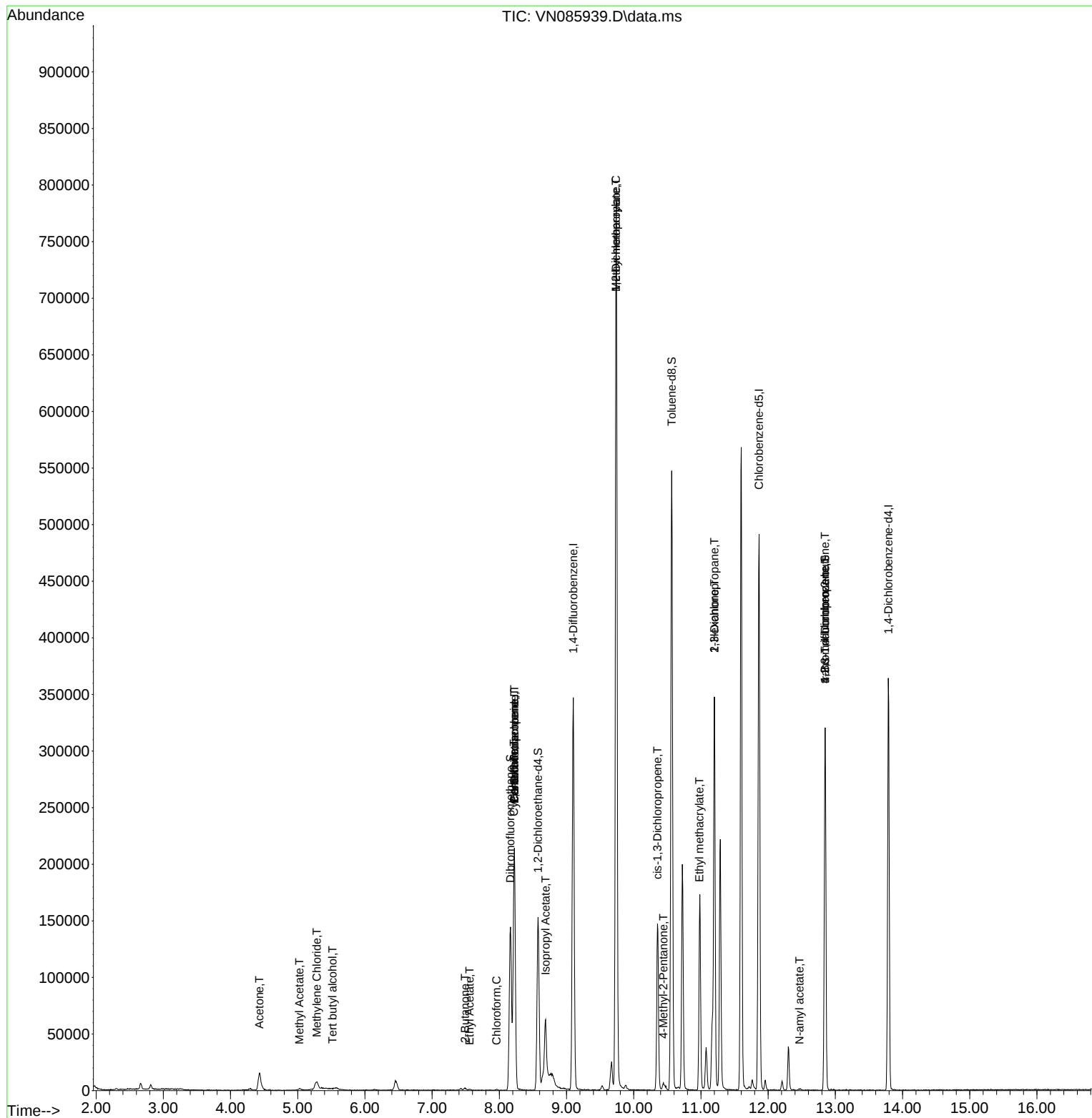
Internal Standards						
1) Pentafluorobenzene	8.224	168	151503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	295677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	286236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	98627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125056	63.668	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 127.340%#	
35) Dibromofluoromethane	8.165	113	104762	54.147	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.300%	
50) Toluene-d8	10.565	98	388930	55.251	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.500%	
62) 4-Bromofluorobenzene	12.847	95	112811	48.640	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.280%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	53	0.219	ug/l #	72
16) Acetone	4.430	43	28478	45.821	ug/l	98
18) Methyl Acetate	5.024	43	2754	1.288	ug/l #	78
20) Methylene Chloride	5.283	84	5626	2.815	ug/l	92
25) 2-Butanone	7.489	43	3276	3.583	ug/l	94
30) Chloroform	7.959	83	733	0.209	ug/l	92
31) Cyclohexane	8.218	56	3180	1.134	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13105	4.786	ug/l #	49
37) Ethyl Acetate	7.559	43	1453	0.645	ug/l #	66
38) Carbon Tetrachloride	8.224	117	15985	4.913	ug/l #	17
43) Isopropyl Acetate	8.689	43	76926	19.114	ug/l #	81
45) 1,2-Dichloropropane	9.736	63	1112	0.525	ug/l #	43
48) Methyl methacrylate	9.736	41	70854	42.339	ug/l #	37
51) 4-Methyl-2-Pentanone	10.442	43	7623	3.509	ug/l #	60
54) cis-1,3-Dichloropropene	10.353	75	27276	8.414	ug/l #	66
56) Ethyl methacrylate	10.977	69	1379	0.983	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3572	1.046	ug/l #	42
59) 2-Hexanone	11.200	43	43542	29.133	ug/l #	52
74) N-amyl acetate	12.465	43	1287	0.540	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	58658	26.774	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58658	78.121	ug/l #	12

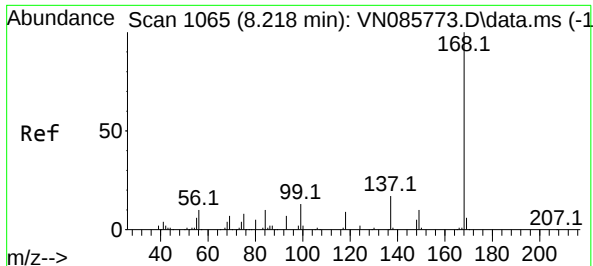
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#06

Quant Time: Mar 12 01:26:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

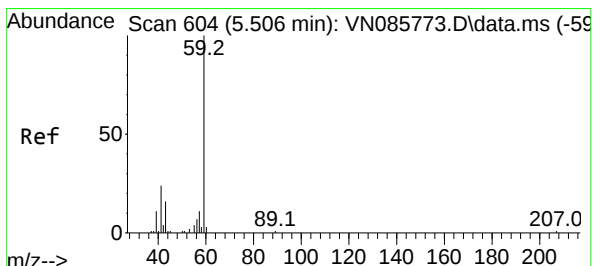
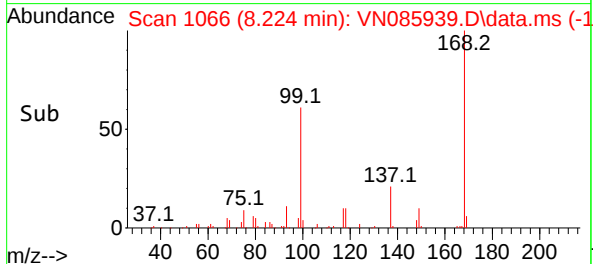
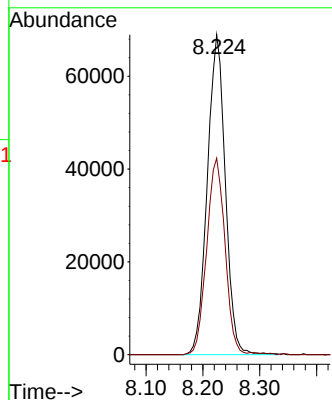
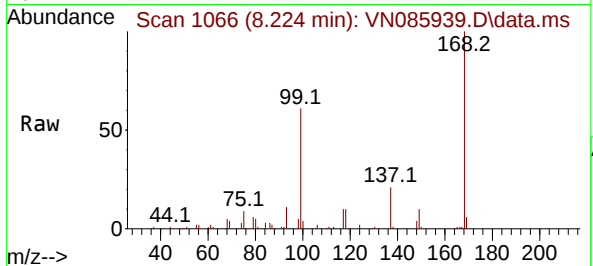




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

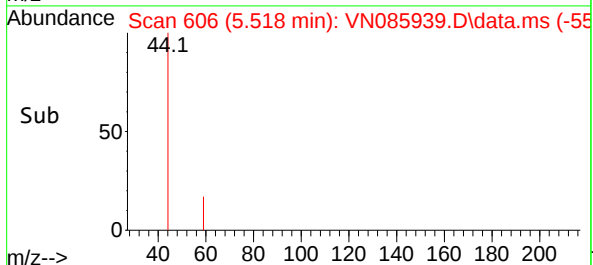
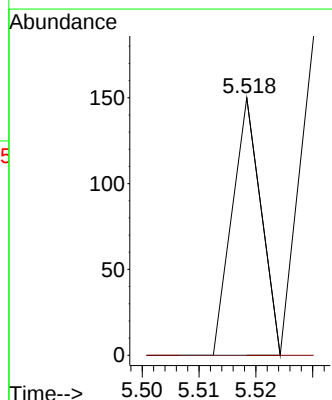
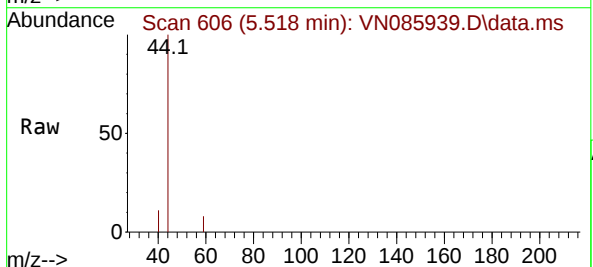
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#06

Tgt Ion:168 Resp: 151503
Ion Ratio Lower Upper
168 100
99 61.4 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.219 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 59 Resp: 53
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

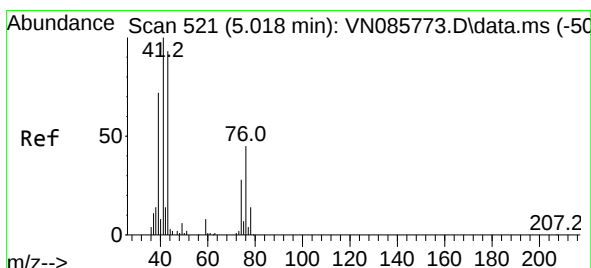
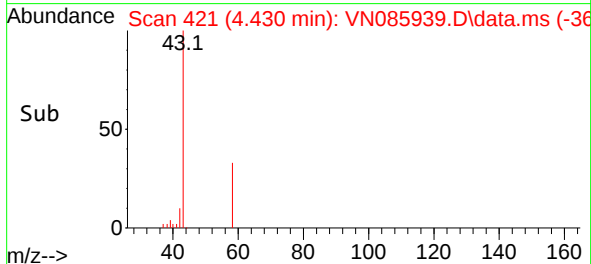
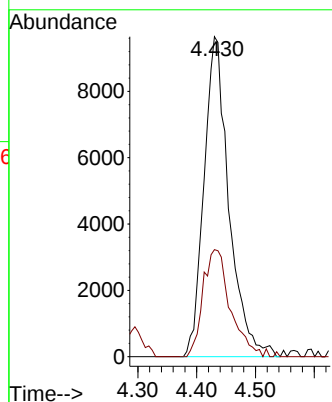
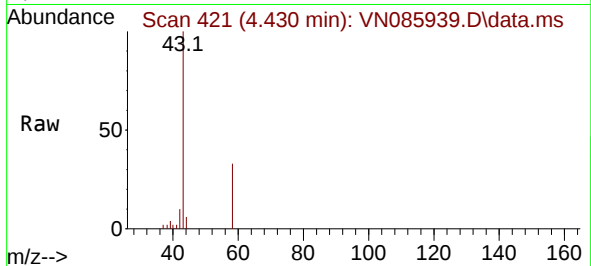




#16
Acetone
Concen: 45.821 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

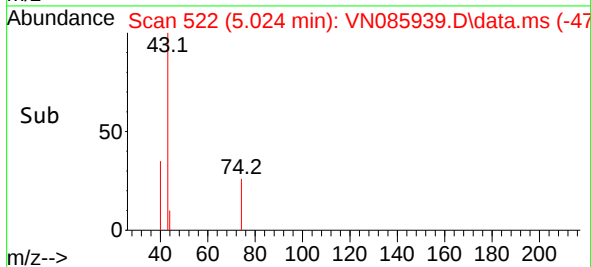
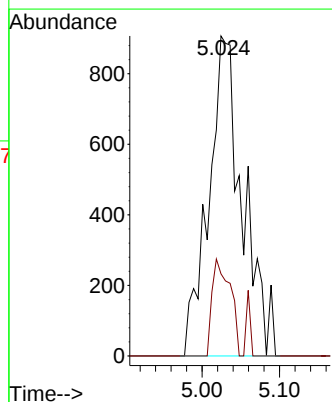
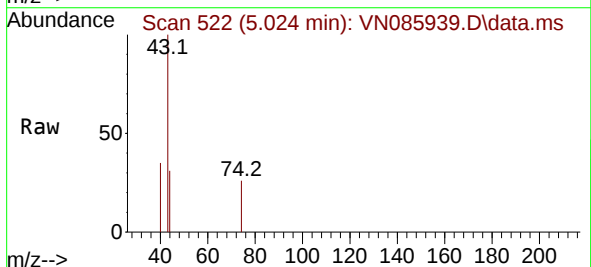
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#06

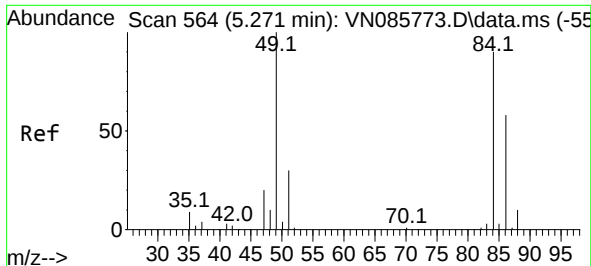
Tgt Ion: 43 Resp: 28478
Ion Ratio Lower Upper
43 100
58 33.4 27.5 41.3



#18
Methyl Acetate
Concen: 1.288 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

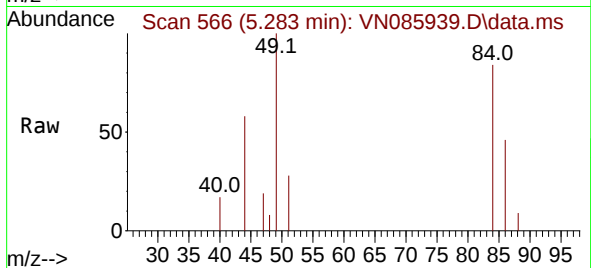
Tgt Ion: 43 Resp: 2754
Ion Ratio Lower Upper
43 100
74 16.2 22.2 33.4#



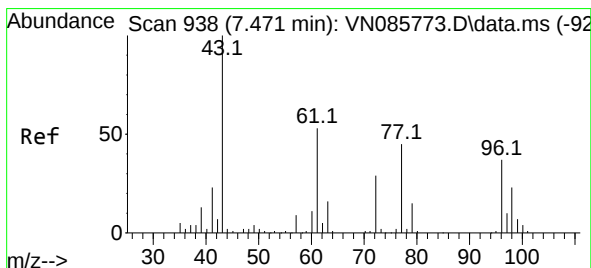
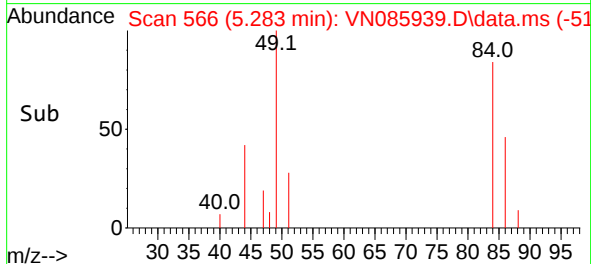
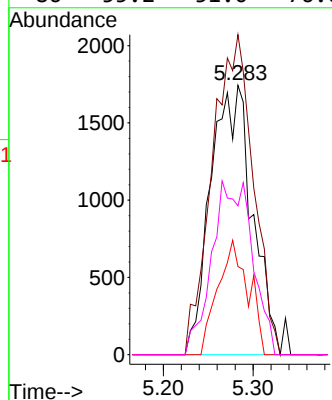


#20
Methylene Chloride
Concen: 2.815 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#06

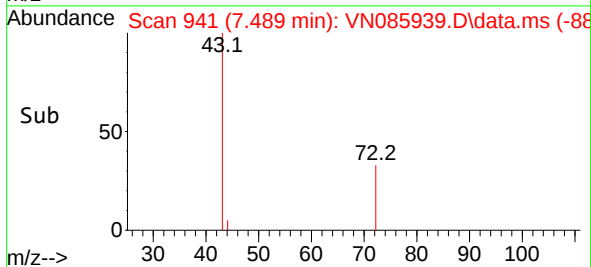
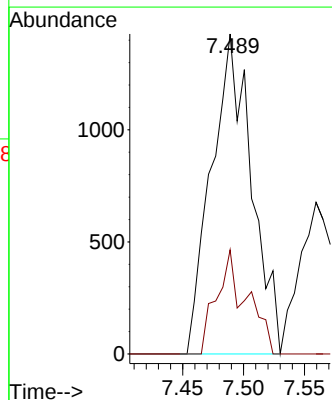
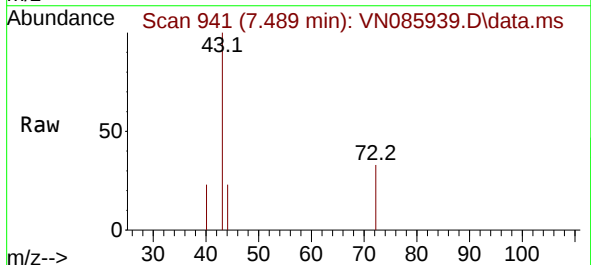


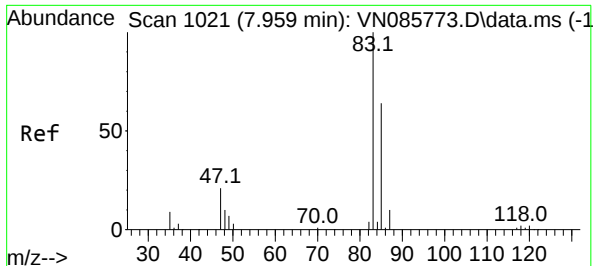
Tgt Ion:	84	Resp:	5626
Ion	Ratio	Lower	Upper
84	100		
49	118.8	88.4	132.6
51	32.8	26.6	40.0
86	55.2	51.0	76.6



#25
2-Butanone
Concen: 3.583 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

Tgt Ion:	43	Resp:	3276
Ion	Ratio	Lower	Upper
43	100		
72	32.6	23.6	35.4





#30

Chloroform

Concen: 0.209 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VN085939.D

Acq: 11 Mar 2025 18:16

Instrument :

MSVOA_N

ClientSampleId :

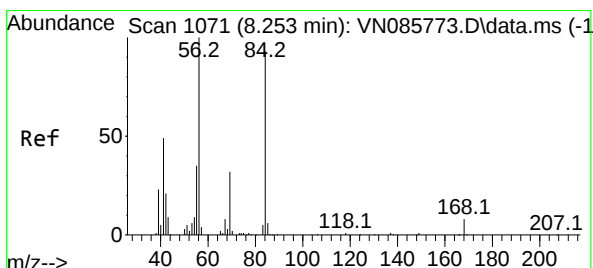
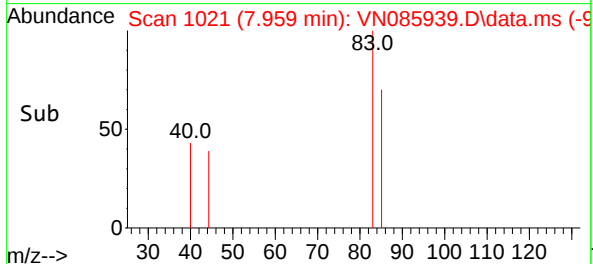
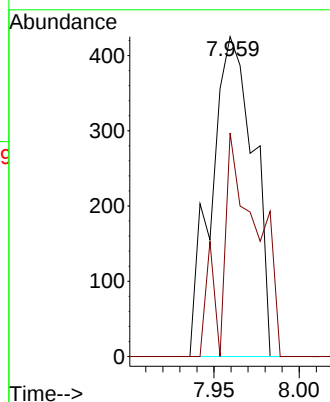
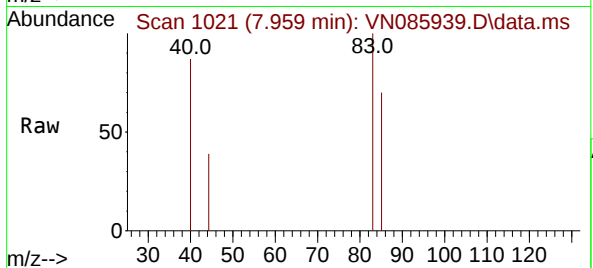
PB167050ZHE#06

Tgt Ion: 83 Resp: 733

Ion Ratio Lower Upper

83 100

85 69.9 50.9 76.3



#31

Cyclohexane

Concen: 1.134 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085939.D

Acq: 11 Mar 2025 18:16

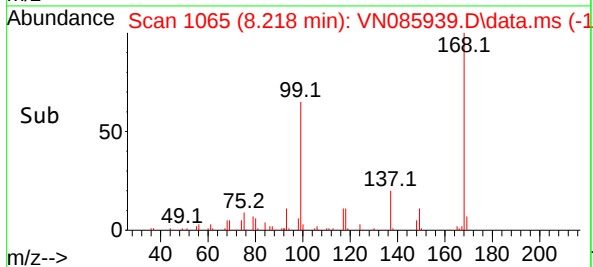
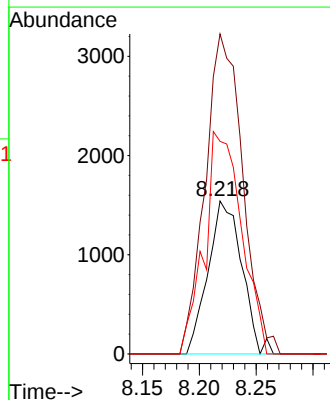
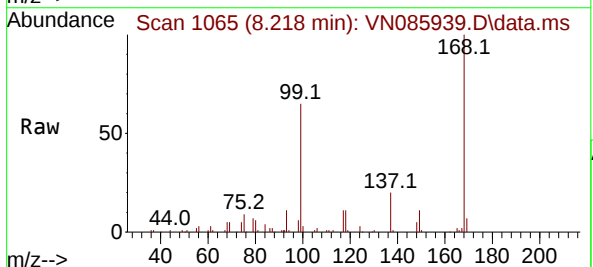
Tgt Ion: 56 Resp: 3180

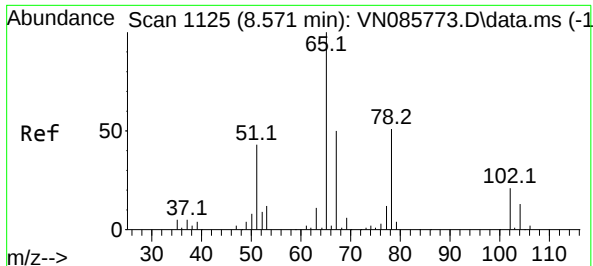
Ion Ratio Lower Upper

56 100

69 209.3 25.8 38.6#

84 139.1 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 63.668 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085939.D

Acq: 11 Mar 2025 18:16

Instrument :

MSVOA_N

ClientSampleId :

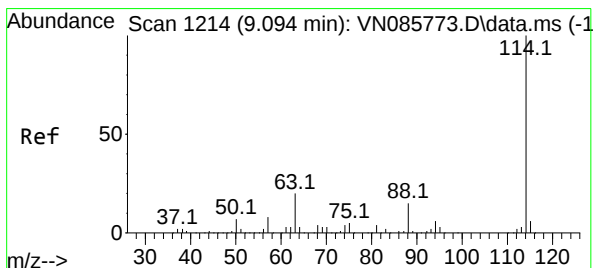
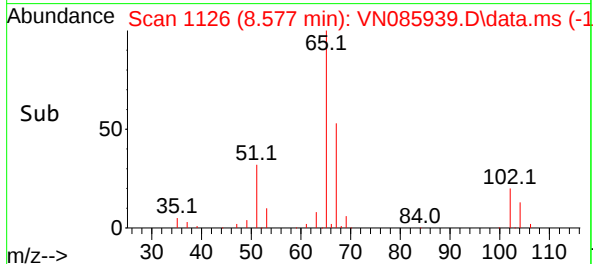
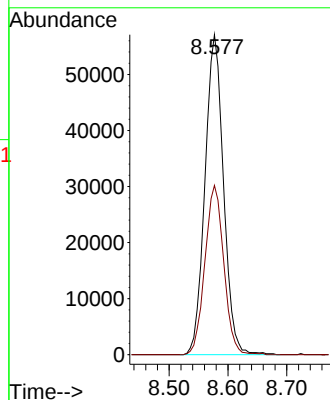
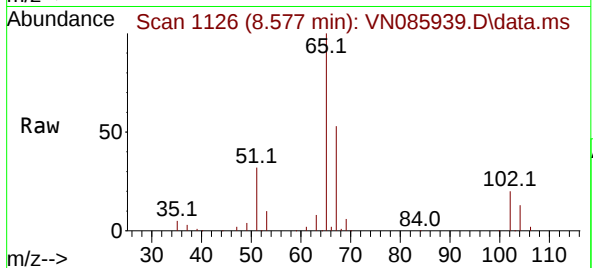
PB167050ZHE#06

Tgt Ion: 65 Resp: 125056

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.101 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085939.D

Acq: 11 Mar 2025 18:16

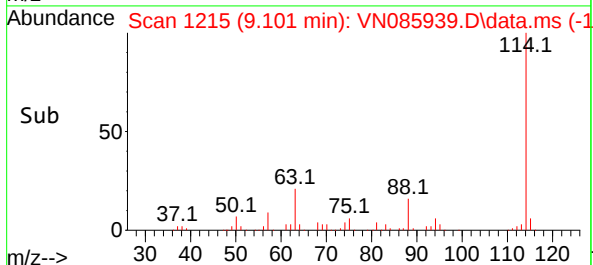
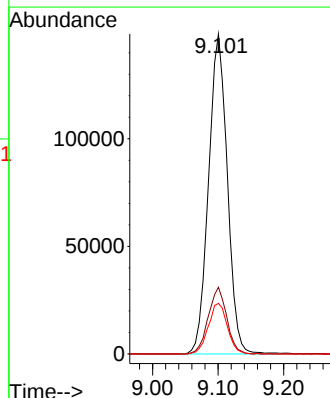
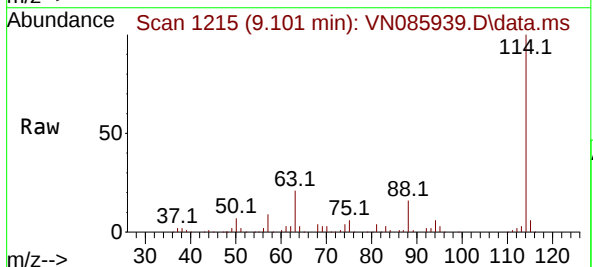
Tgt Ion: 114 Resp: 295677

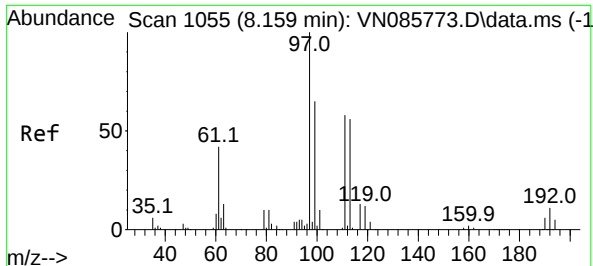
Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.2

88 15.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 54.147 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085939.D

Acq: 11 Mar 2025 18:16

Instrument :

MSVOA_N

ClientSampleId :

PB167050ZHE#06

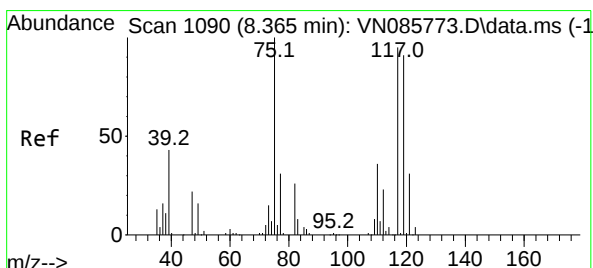
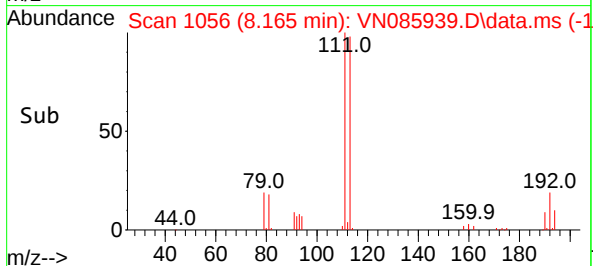
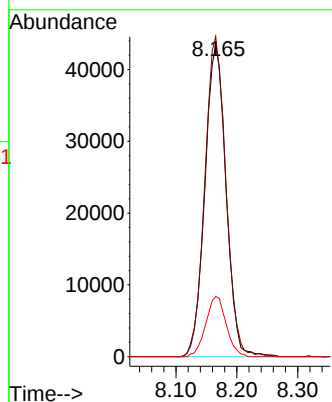
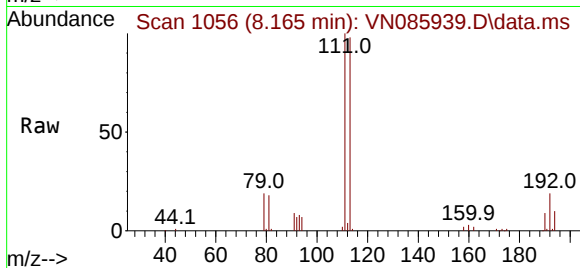
Tgt Ion:113 Resp: 104762

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 18.7 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.786 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085939.D

Acq: 11 Mar 2025 18:16

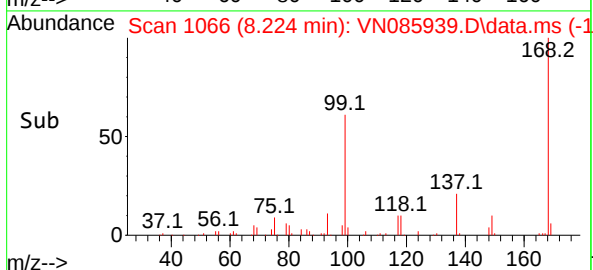
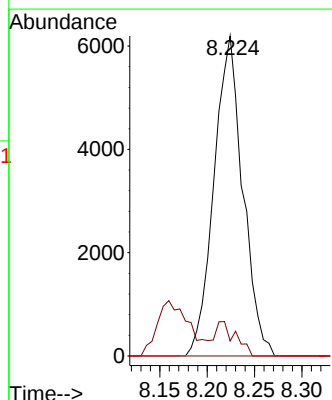
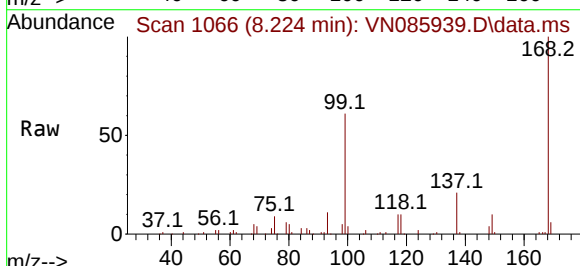
Tgt Ion: 75 Resp: 13105

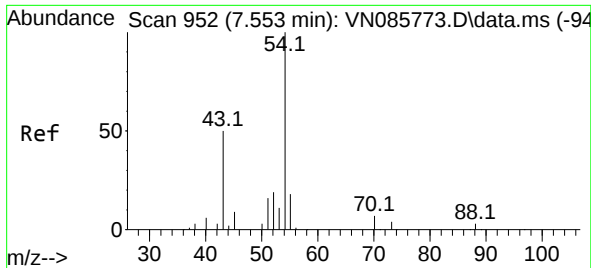
Ion Ratio Lower Upper

75 100

110 7.7 17.3 52.0#

77 0.0 24.6 37.0#

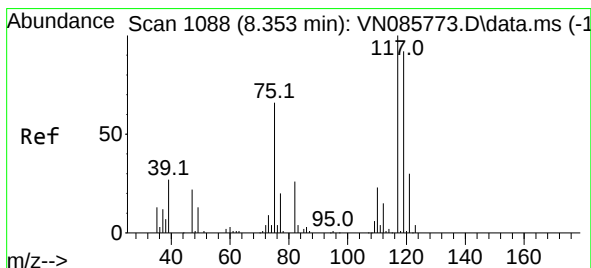
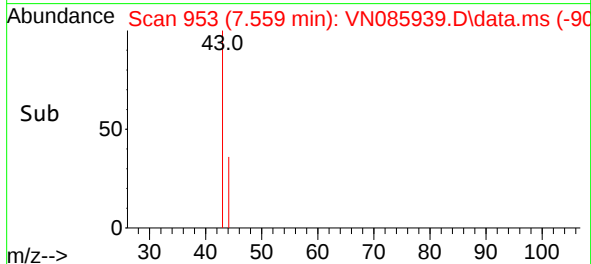
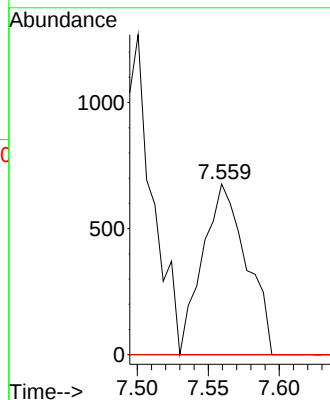
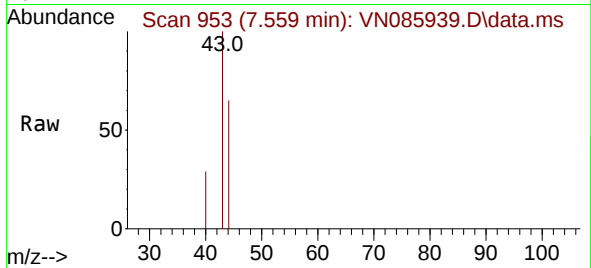




#37
Ethyl Acetate
Concen: 0.645 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

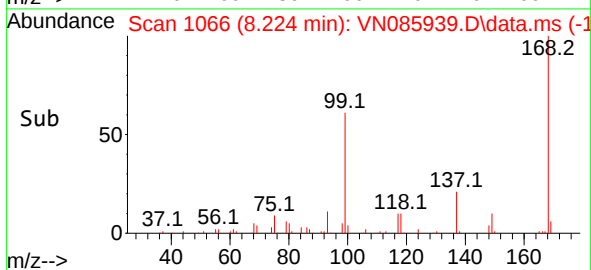
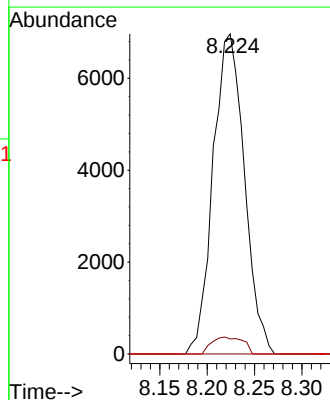
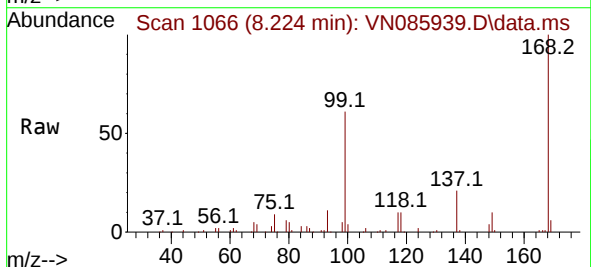
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#06

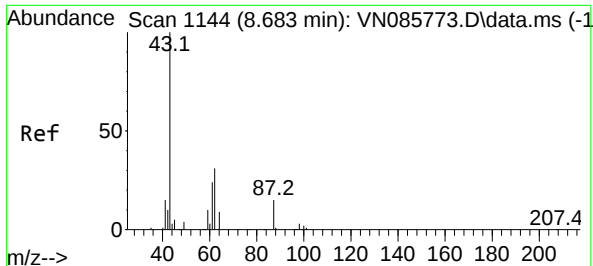
Tgt Ion: 43 Resp: 1453
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.2#
70 0.0 9.5 14.3#



#38
Carbon Tetrachloride
Concen: 4.913 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.129 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 117 Resp: 15985
Ion Ratio Lower Upper
117 100
119 4.7 73.8 110.6#
121 0.0 24.3 36.5#

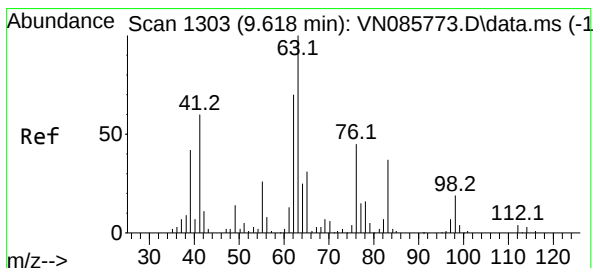
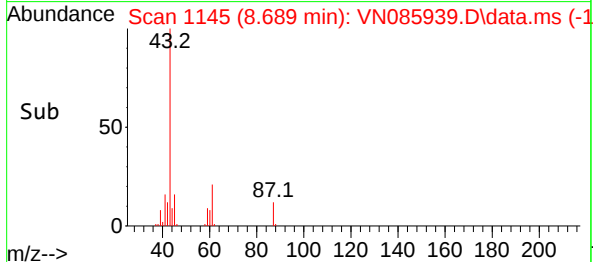
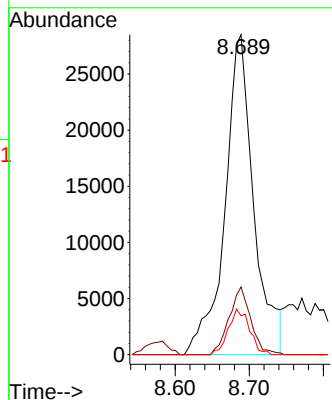
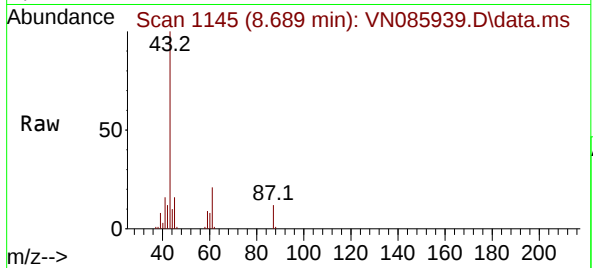




#43
Isopropyl Acetate
Concen: 19.114 ug/l
RT: 8.689 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

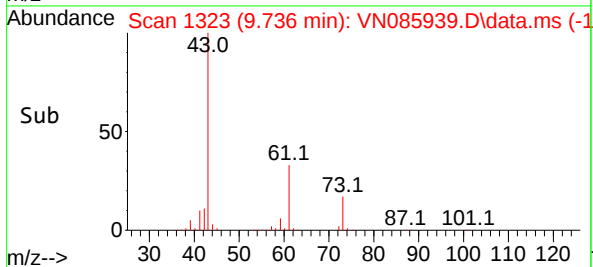
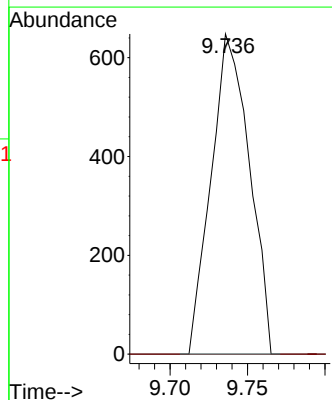
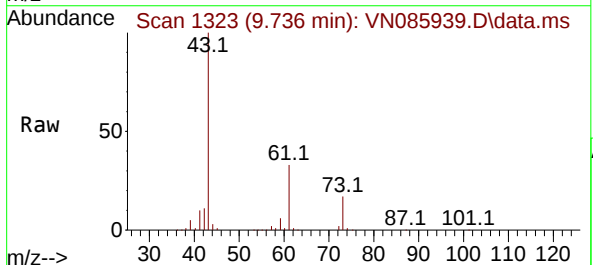
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#06

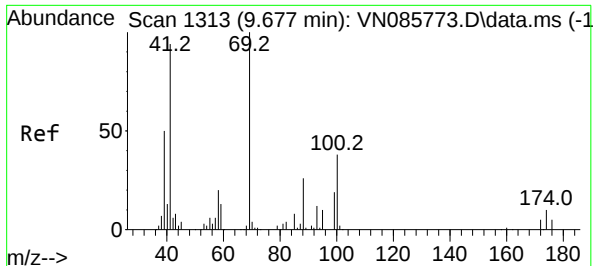
Tgt Ion: 43 Resp: 76926
Ion Ratio Lower Upper
43 100
61 16.0 22.6 34.0#
87 10.6 11.8 17.8#



#45
1,2-Dichloropropane
Concen: 0.525 ug/l
RT: 9.736 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 63 Resp: 1112
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#





#48

Methyl methacrylate

Concen: 42.339 ug/l

RT: 9.736 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN085939.D

Acq: 11 Mar 2025 18:16

Instrument :

MSVOA_N

ClientSampleId :

PB167050ZHE#06

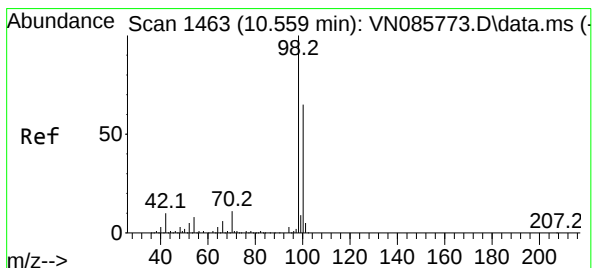
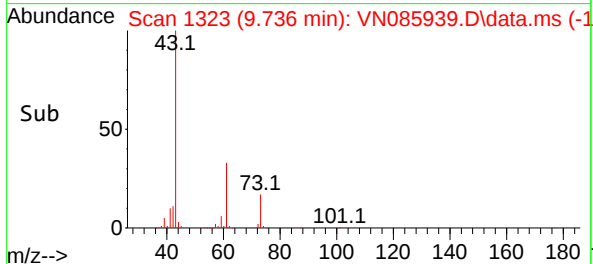
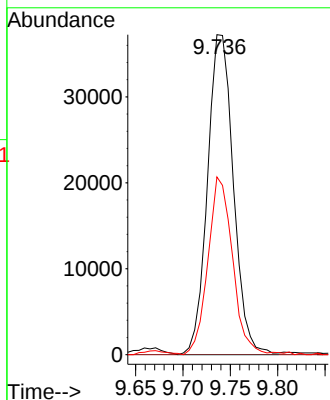
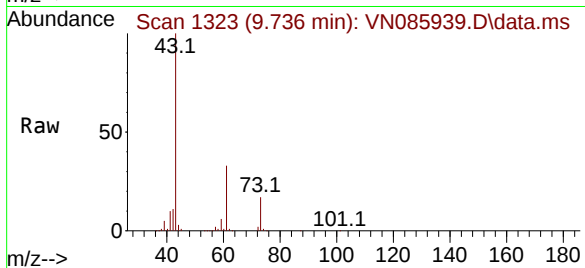
Tgt Ion: 41 Resp: 70854

Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 53.1 42.3 63.5



#50

Toluene-d8

Concen: 55.251 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN085939.D

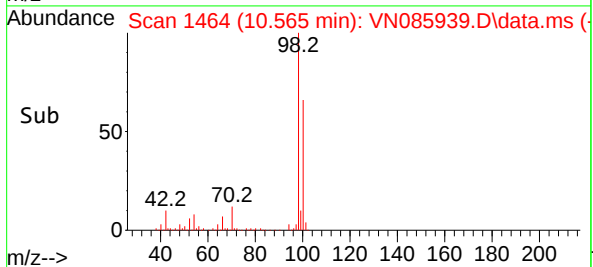
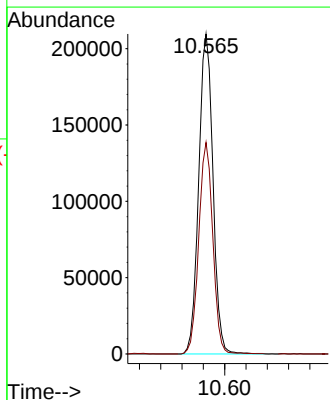
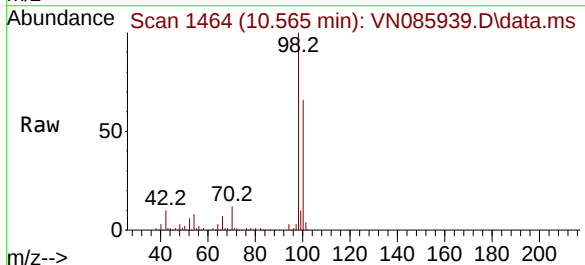
Acq: 11 Mar 2025 18:16

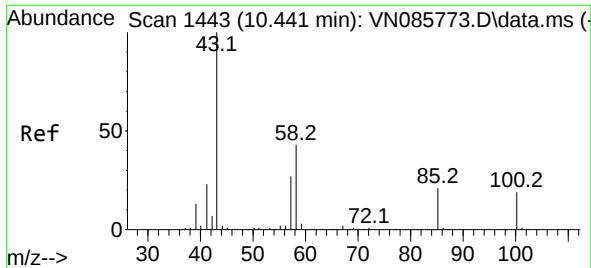
Tgt Ion: 98 Resp: 388930

Ion Ratio Lower Upper

98 100

100 65.3 52.1 78.1

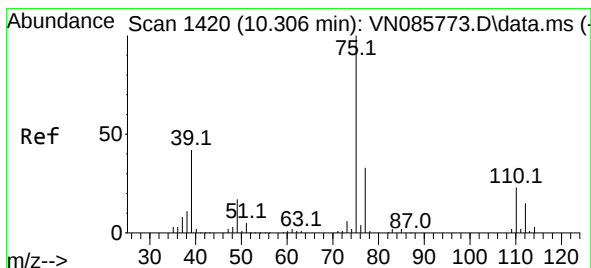
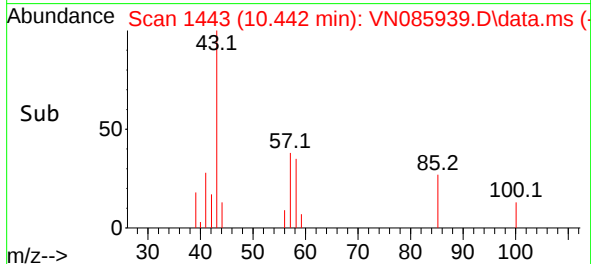
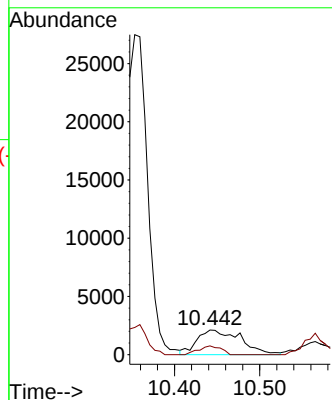
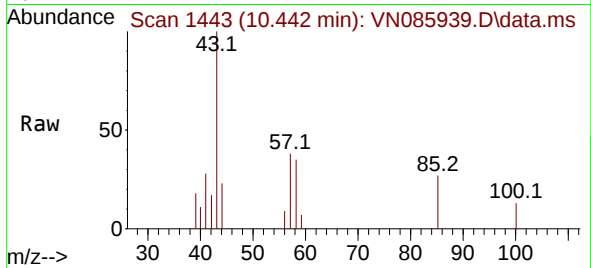




#51
4-Methyl-2-Pentanone
Concen: 3.509 ug/l
RT: 10.442 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

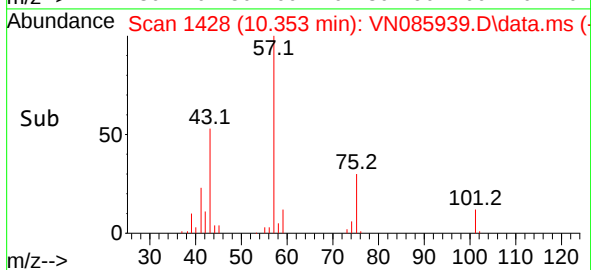
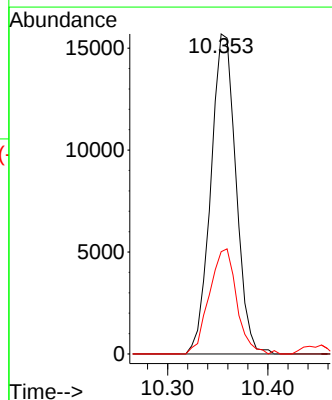
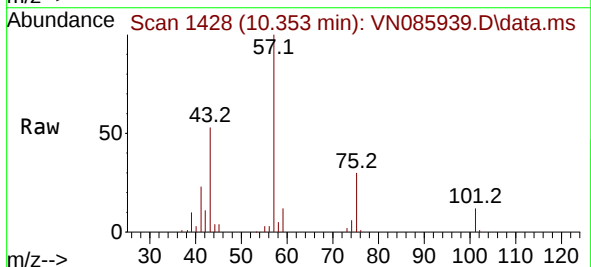
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#06

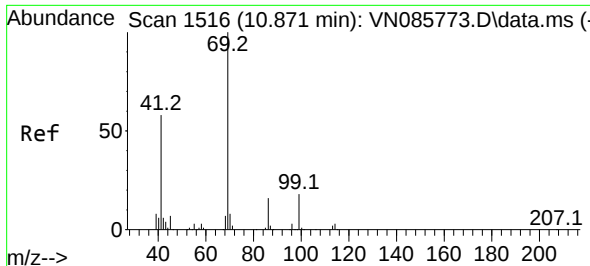
Tgt Ion: 43 Resp: 7623
Ion Ratio Lower Upper
43 100
58 17.9 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 8.414 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 75 Resp: 27276
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 32.0 33.4 50.0#

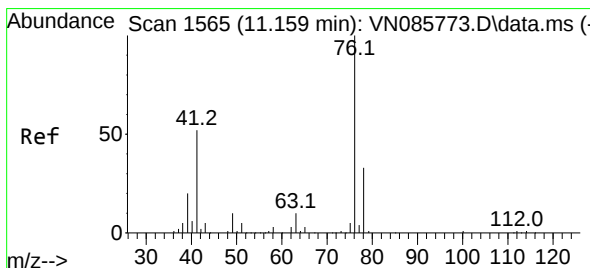
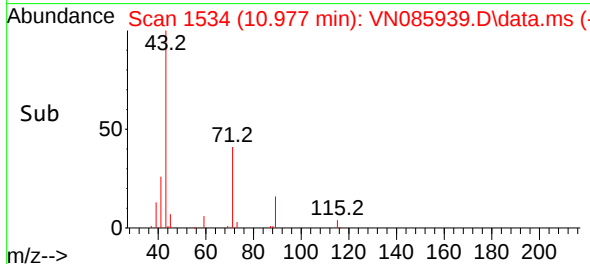
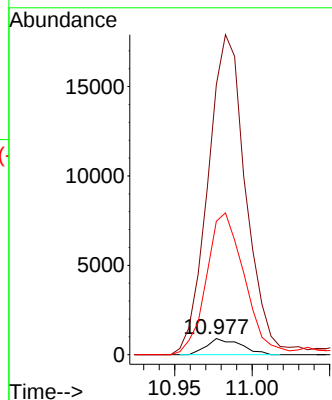
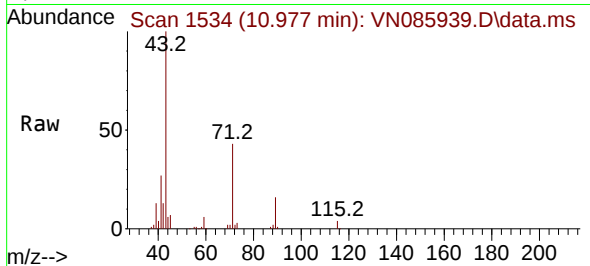




#56
Ethyl methacrylate
Concen: 0.983 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

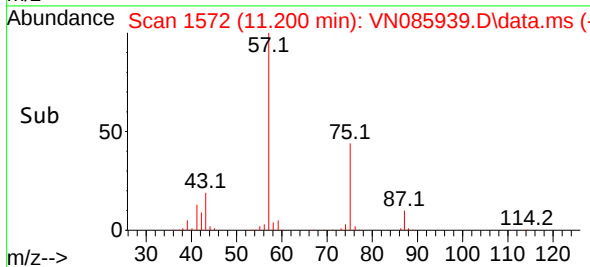
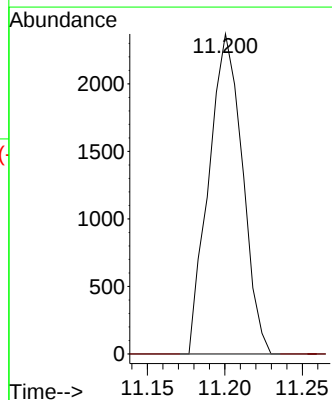
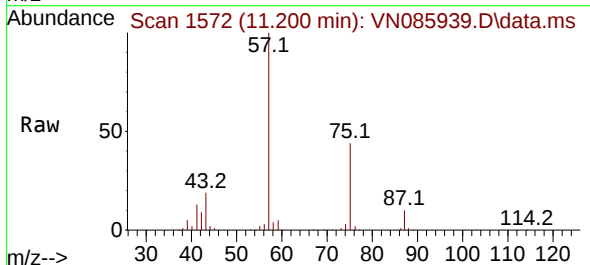
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#06

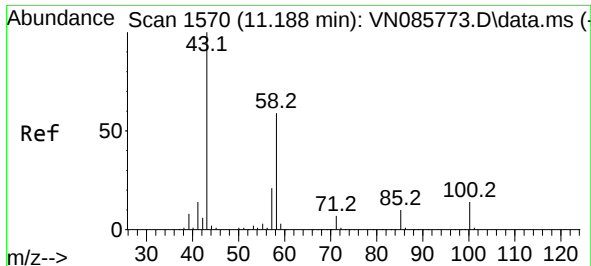
Tgt Ion: 69 Resp: 1379
Ion Ratio Lower Upper
69 100
41 2216.8 46.0 69.0#
39 981.6 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 1.046 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.042 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 76 Resp: 3572
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

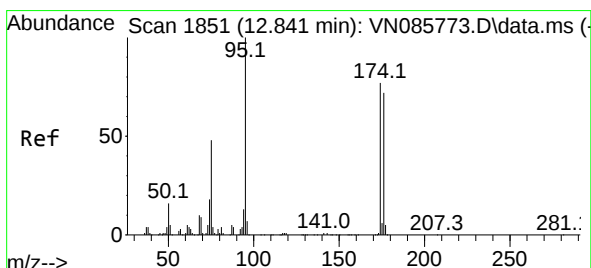
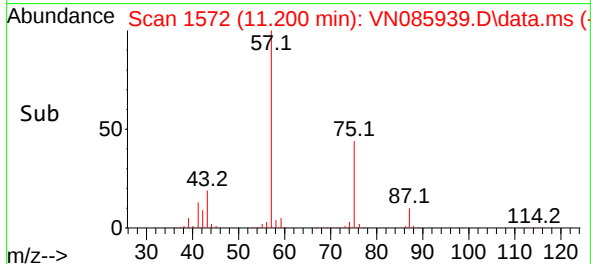
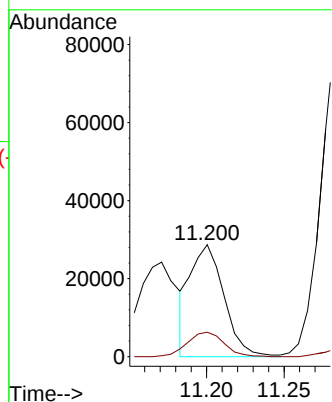
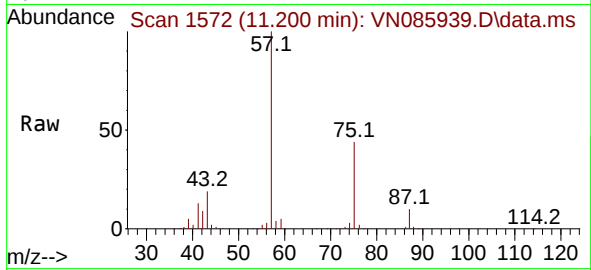




#59
2-Hexanone
Concen: 29.133 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

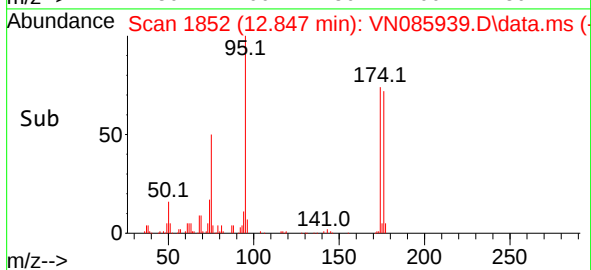
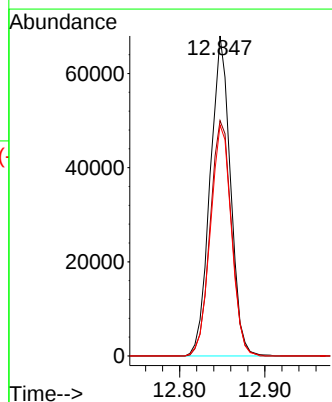
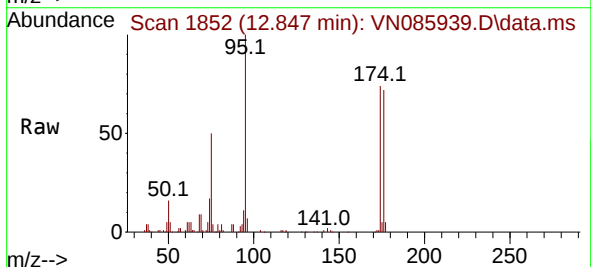
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#06

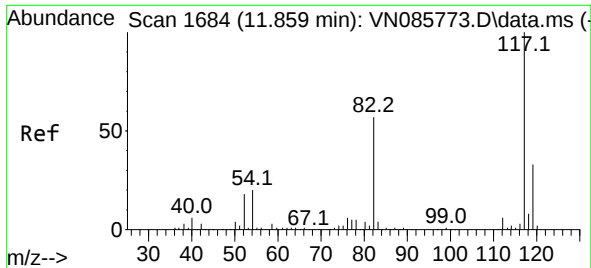
Tgt Ion: 43 Resp: 43542
Ion Ratio Lower Upper
43 100
58 23.9 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 48.640 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 95 Resp: 112811
Ion Ratio Lower Upper
95 100
174 77.1 0.0 152.4
176 74.5 0.0 146.6

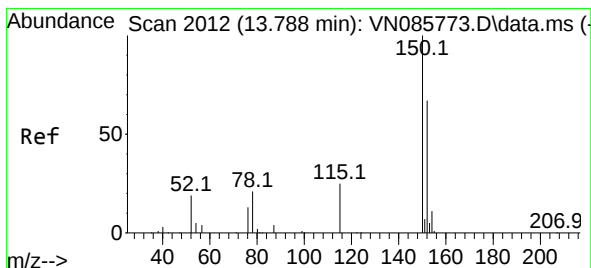
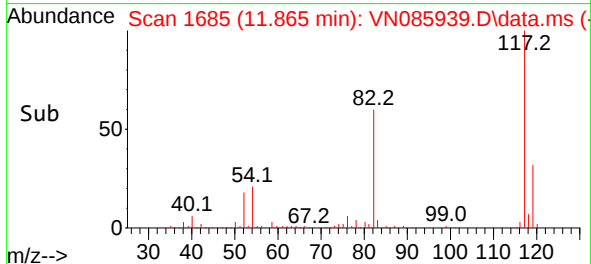
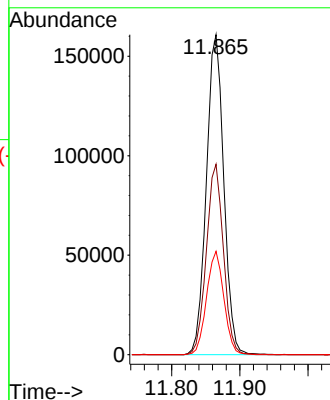
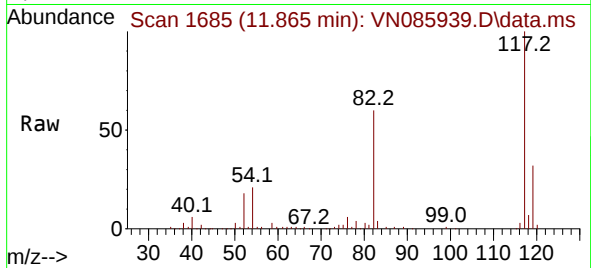




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

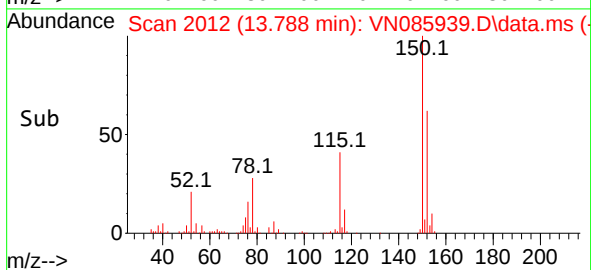
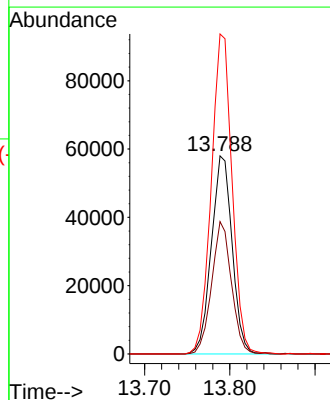
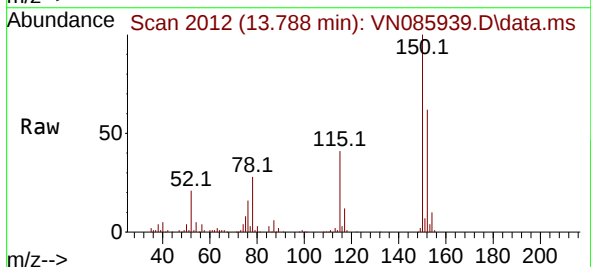
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#06

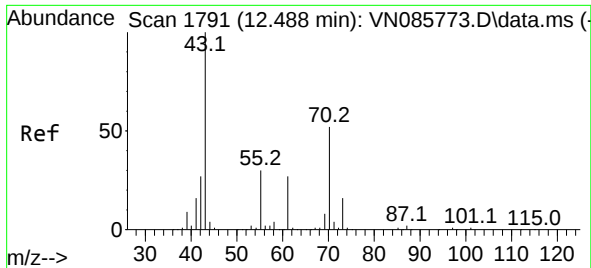
Tgt Ion:117 Resp: 286236
Ion Ratio Lower Upper
117 100
82 59.5 45.7 68.5
119 32.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

Tgt Ion:152 Resp: 98627
Ion Ratio Lower Upper
152 100
115 63.4 30.4 91.3
150 160.8 0.0 345.4

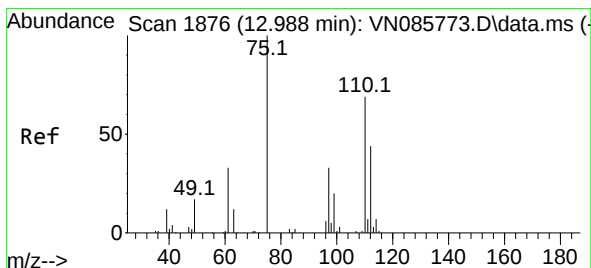
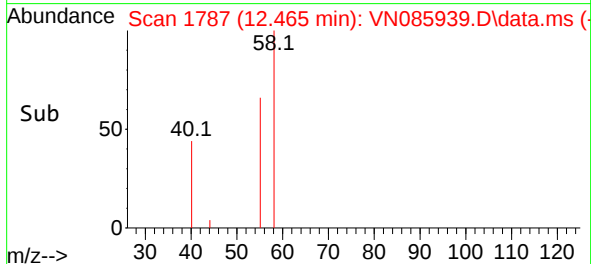
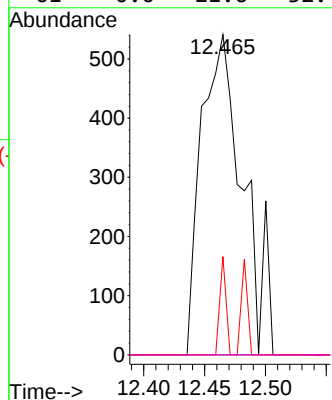
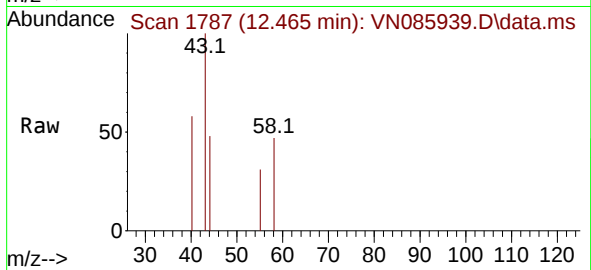




#74
N-amy1 acetate
Concen: 0.540 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

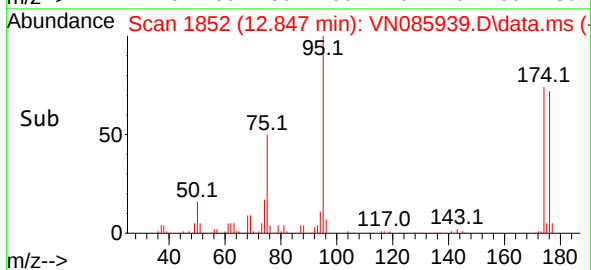
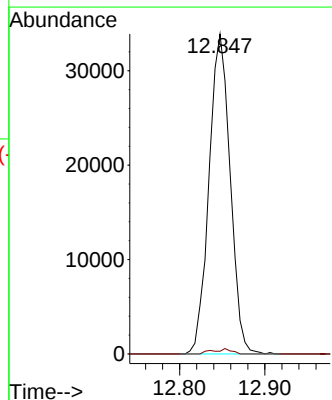
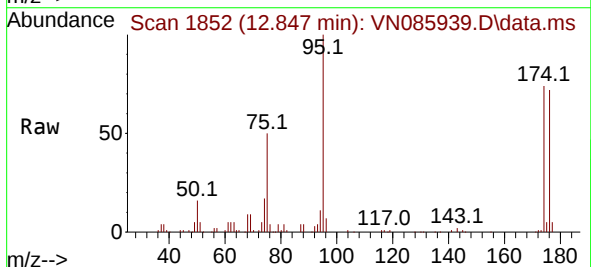
Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#06

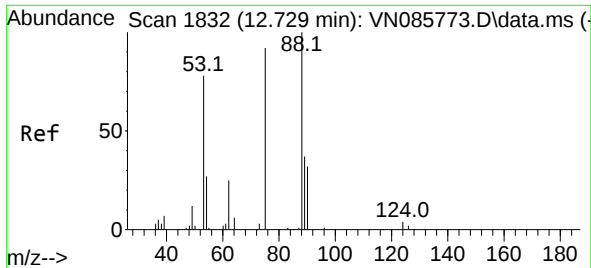
Tgt Ion: 43	Resp: 1287
Ion Ratio	Lower Upper
43 100	
70 0.0	41.0 61.4#
55 4.6	24.6 36.8#
61 0.0	21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 26.774 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

Tgt Ion: 75	Resp: 58658
Ion Ratio	Lower Upper
75 100	
77 1.4	100.0 300.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 78.121 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN085939.D
Acq: 11 Mar 2025 18:16

Instrument :
MSVOA_N
ClientSampleId :
PB167050ZHE#06

Tgt Ion: 75 Resp: 58658
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#

