

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033125\
 Data File : VN086182.D
 Acq On : 31 Mar 2025 20:16
 Operator : JC\MD
 Sample : PB167374ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#06

Quant Time: Apr 01 01:40:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

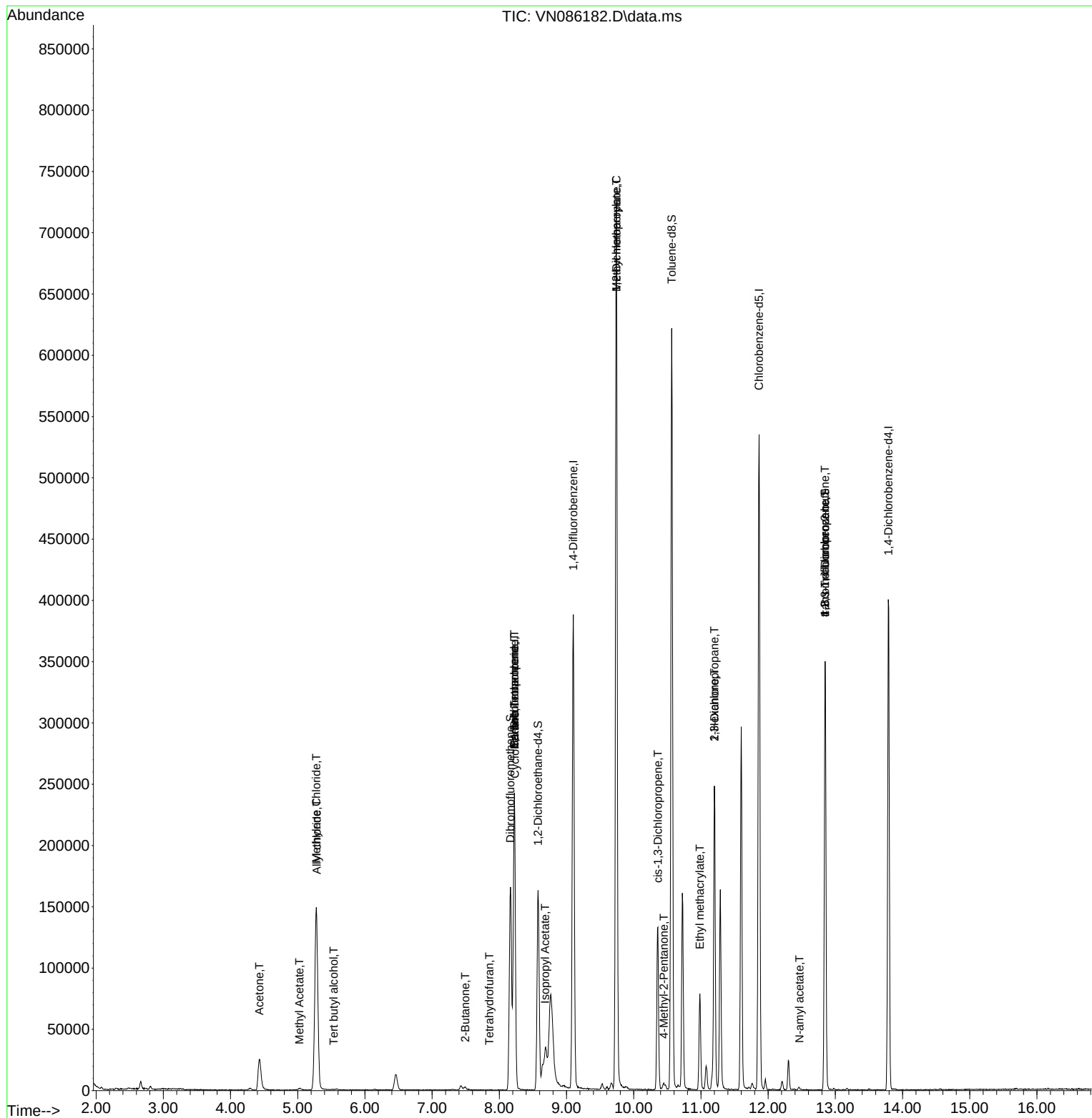
Internal Standards						
1) Pentafluorobenzene	8.224	168	173060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	342725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	325187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	135476	57.168	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.340%			
35) Dibromofluoromethane	8.165	113	123285	51.537	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.080%			
50) Toluene-d8	10.565	98	443618	51.097	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.200%			
62) 4-Bromofluorobenzene	12.847	95	123370	39.845	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 79.700%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.536	59	547	1.630	ug/l #	73
14) Allyl chloride	5.283	41	3376	1.526	ug/l #	20
16) Acetone	4.430	43	50511	69.767	ug/l	94
18) Methyl Acetate	5.024	43	2993	1.671	ug/l #	55
20) Methylene Chloride	5.277	84	123351	58.240	ug/l	96
25) 2-Butanone	7.494	43	4462	4.271	ug/l	94
29) Tetrahydrofuran	7.853	42	197	0.305	ug/l #	24
31) Cyclohexane	8.230	56	3864	1.309	ug/l #	44
36) 1,1-Dichloropropene	8.224	75	13638	4.330	ug/l #	48
38) Carbon Tetrachloride	8.224	117	18316	4.422	ug/l #	15
43) Isopropyl Acetate	8.683	43	50080	8.697	ug/l #	62
45) 1,2-Dichloropropane	9.741	63	693	0.308	ug/l #	44
48) Methyl methacrylate	9.741	41	64627	34.010	ug/l #	33
51) 4-Methyl-2-Pentanone	10.447	43	2941	1.158	ug/l	92
54) cis-1,3-Dichloropropene	10.359	75	25701	6.785	ug/l #	73
56) Ethyl methacrylate	10.982	69	715	0.432	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2764	0.703	ug/l #	42
59) 2-Hexanone	11.200	43	40290	21.777	ug/l #	43
74) N-amyl acetate	12.465	43	1715	0.647	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	61403	23.647	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61403	62.520	ug/l #	16

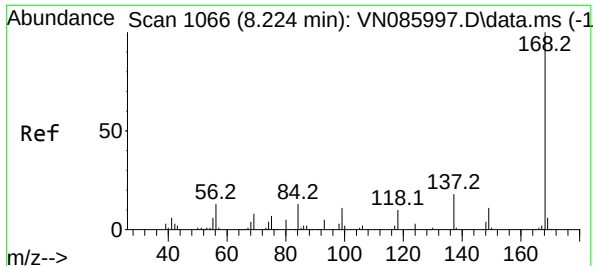
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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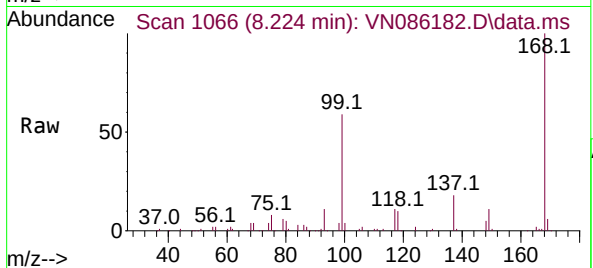
Quant Time: Apr 01 01:40:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



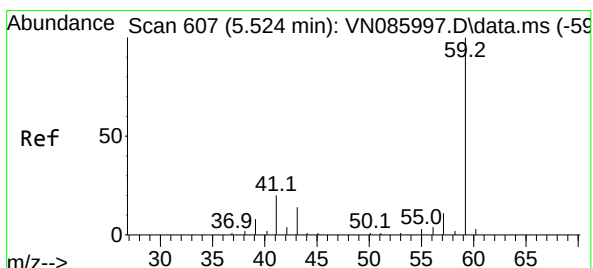
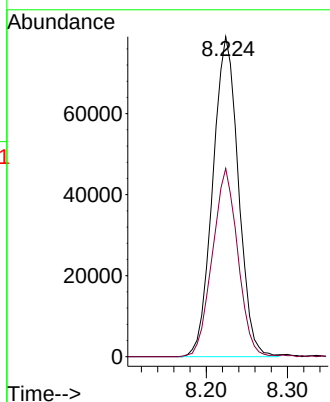
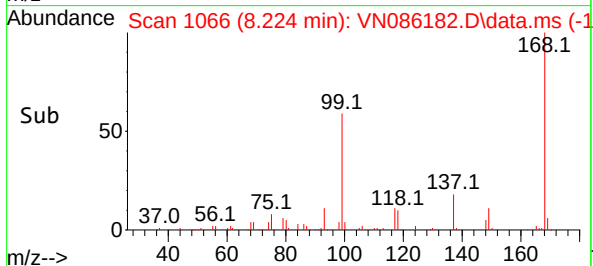


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#06

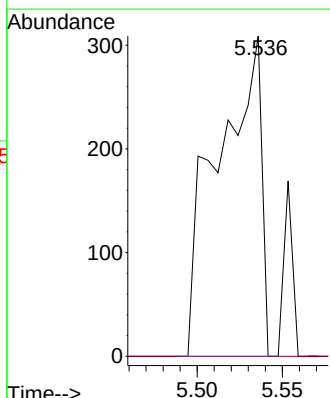
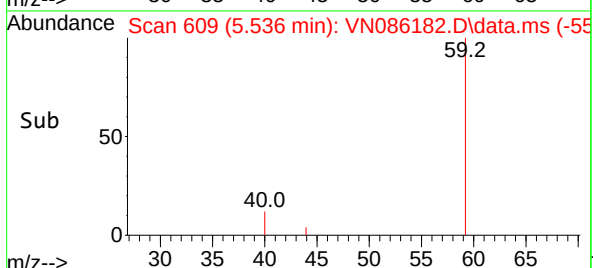
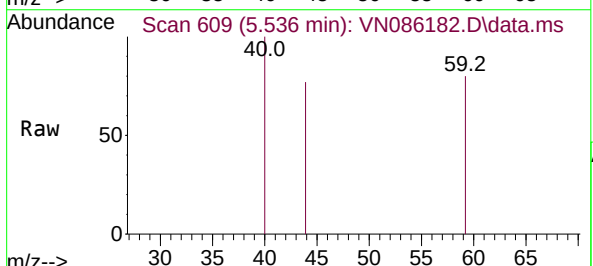


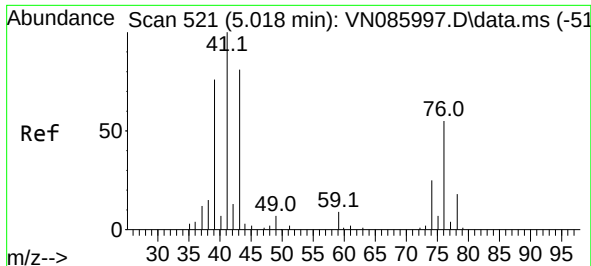
Tgt Ion:168 Resp: 173060
Ion Ratio Lower Upper
168 100
99 58.8 49.4 74.2



#11
Tert butyl alcohol
Concen: 1.630 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.012 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

Tgt Ion: 59 Resp: 547
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

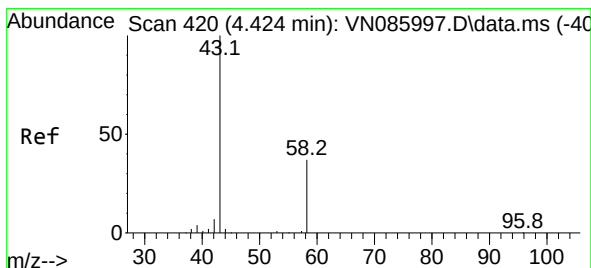
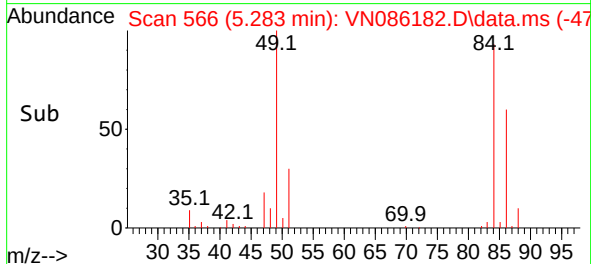
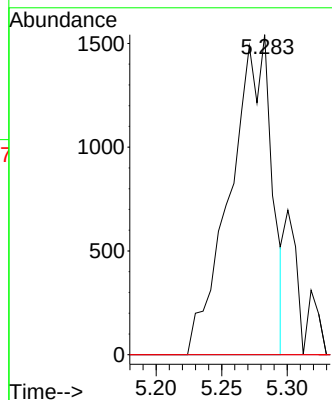
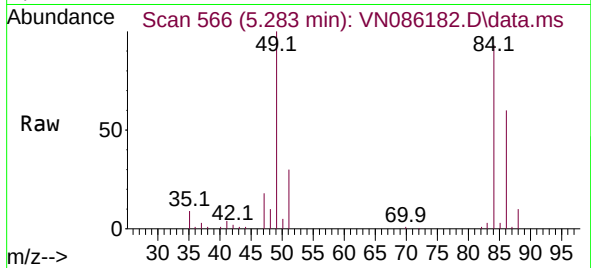




#14
 Allyl chloride
 Concen: 1.526 ug/l
 RT: 5.283 min Scan# 501
 Delta R.T. 0.265 min
 Lab File: VN086182.D
 Acq: 31 Mar 2025 20:16

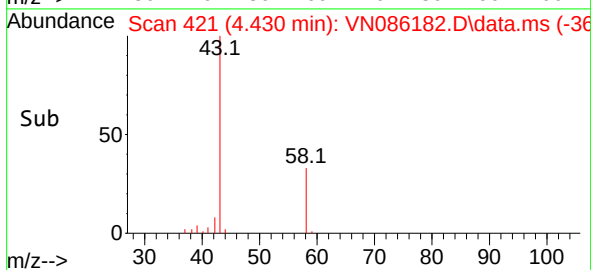
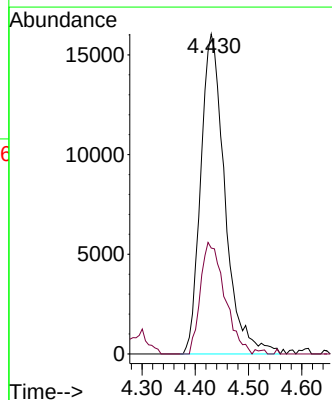
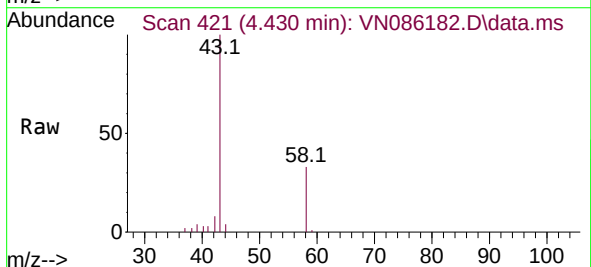
Instrument :
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 ClientSampleId :
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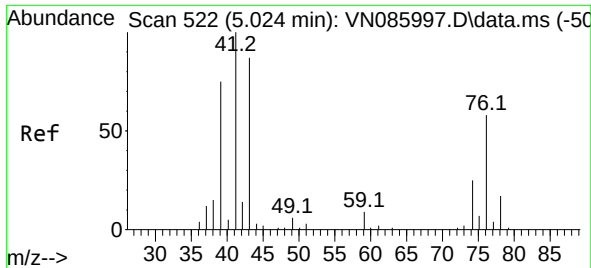
Tgt Ion: 41 Resp: 3376
 Ion Ratio Lower Upper
 41 100
 39 0.0 55.5 83.3#
 76 0.0 39.1 58.7#



#16
 Acetone
 Concen: 69.767 ug/l
 RT: 4.430 min Scan# 421
 Delta R.T. 0.006 min
 Lab File: VN086182.D
 Acq: 31 Mar 2025 20:16

Tgt Ion: 43 Resp: 50511
 Ion Ratio Lower Upper
 43 100
 58 33.1 29.4 44.2

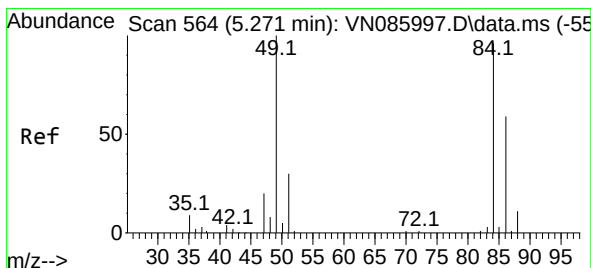
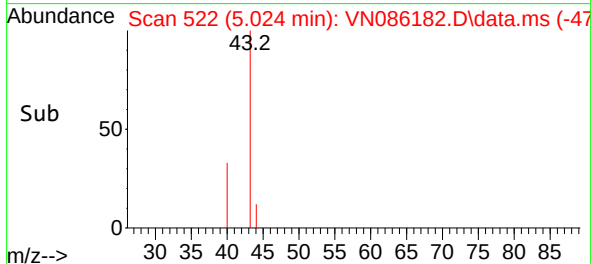
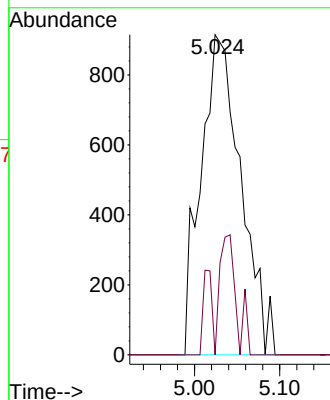
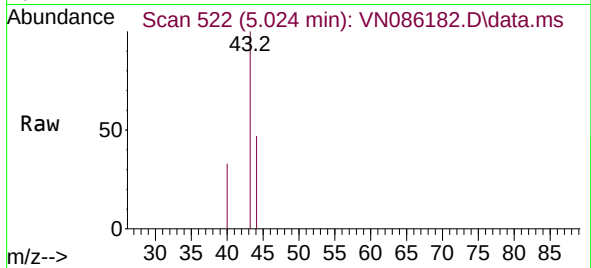




#18
Methyl Acetate
Concen: 1.671 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

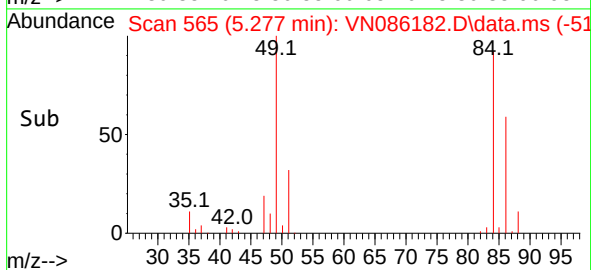
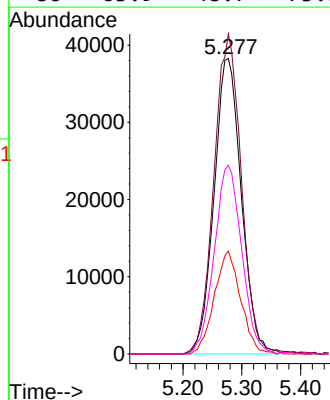
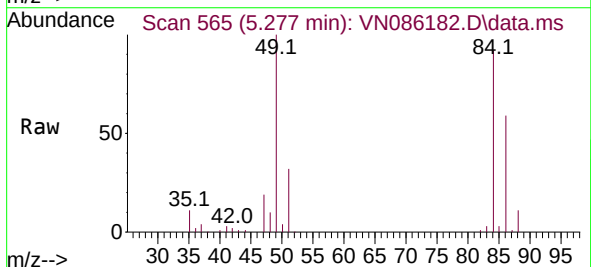
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#06

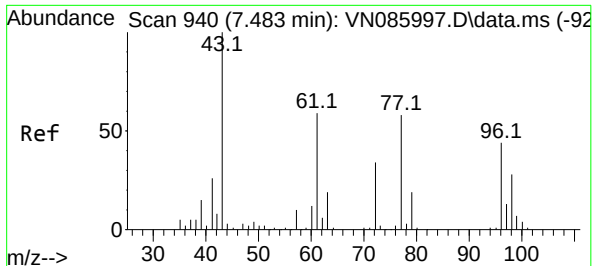
Tgt Ion: 43 Resp: 2993
Ion Ratio Lower Upper
43 100
74 5.7 23.9 35.9#



#20
Methylene Chloride
Concen: 58.240 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

Tgt Ion: 84 Resp: 123351
Ion Ratio Lower Upper
84 100
49 108.3 83.3 124.9
51 34.8 24.8 37.2
86 63.9 48.7 73.1

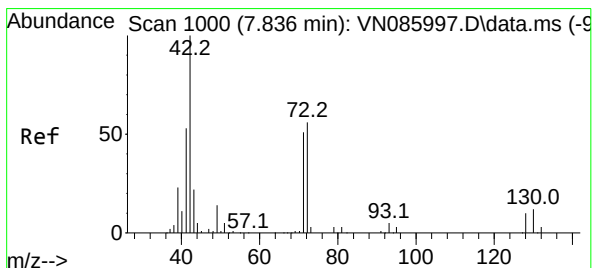
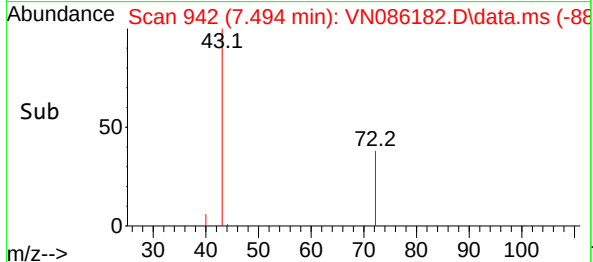
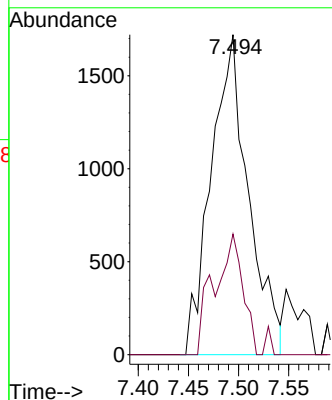
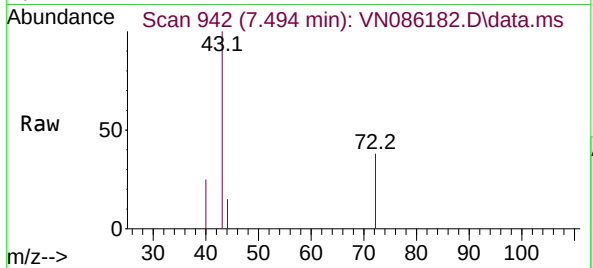




#25
2-Butanone
Concen: 4.271 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

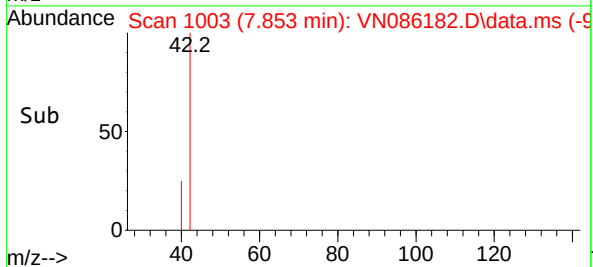
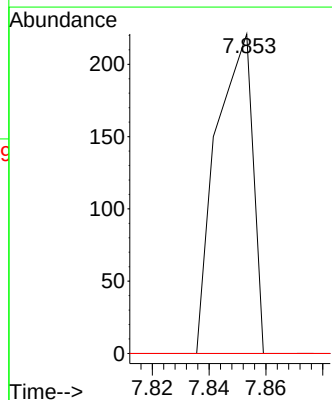
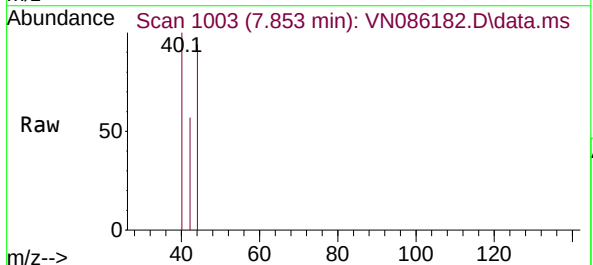
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#06

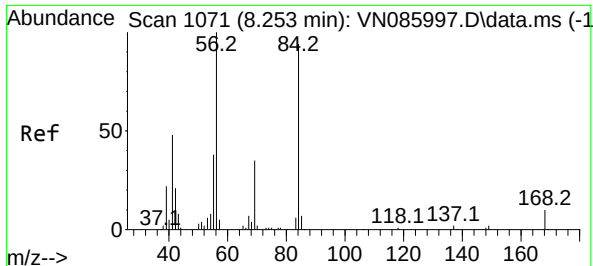
Tgt Ion: 43 Resp: 4462
Ion Ratio Lower Upper
43 100
72 37.7 27.4 41.0



#29
Tetrahydrofuran
Concen: 0.305 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

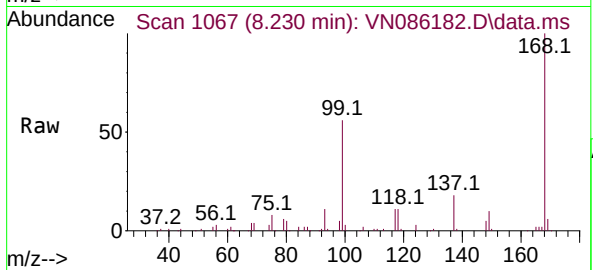
Tgt Ion: 42 Resp: 197
Ion Ratio Lower Upper
42 100
72 0.0 45.0 67.4#
71 0.0 41.9 62.9#



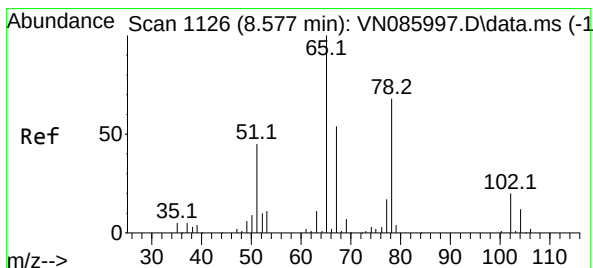
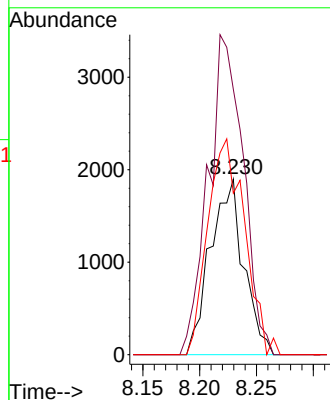
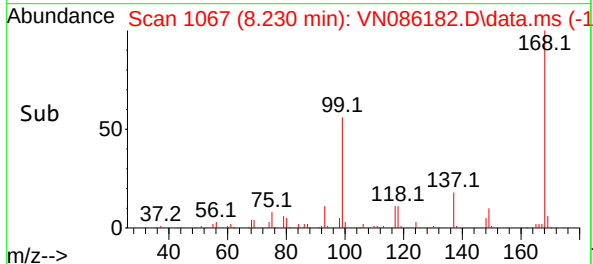


#31
Cyclohexane
Concen: 1.309 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#06

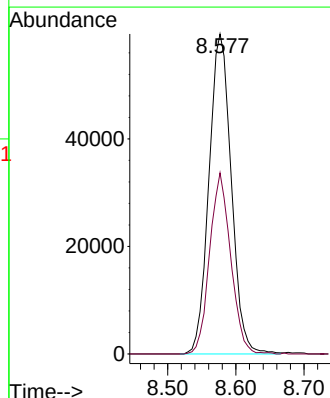
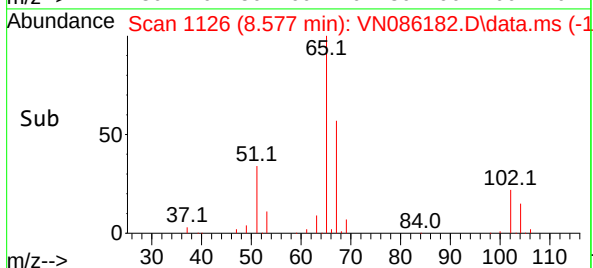
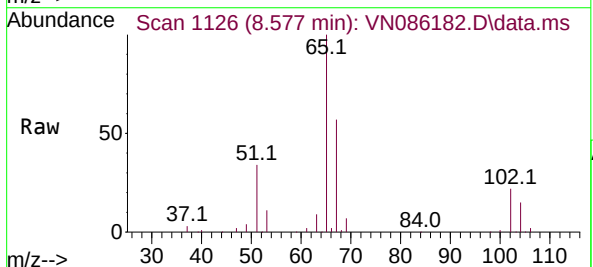


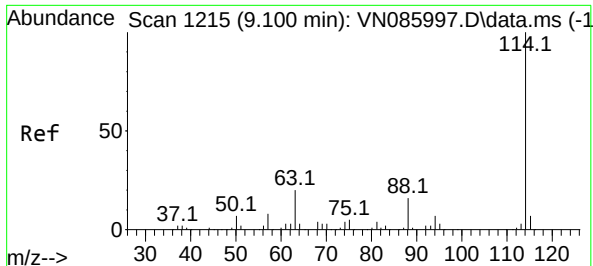
Tgt Ion: 56 Resp: 3864
Ion Ratio Lower Upper
56 100
69 151.2 28.0 42.0#
84 91.9 75.0 112.6



#33
1,2-Dichloroethane-d4
Concen: 57.168 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

Tgt Ion: 65 Resp: 135476
Ion Ratio Lower Upper
65 100
67 53.5 0.0 102.2

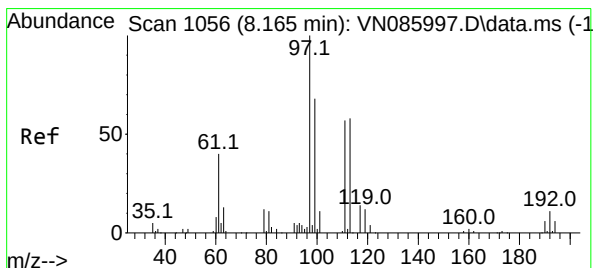
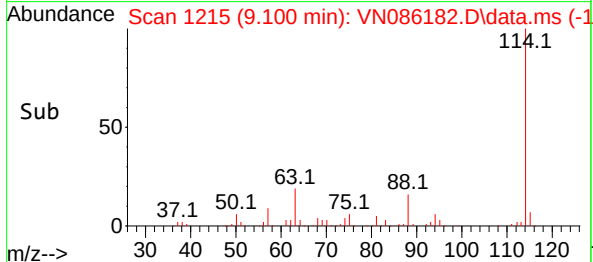
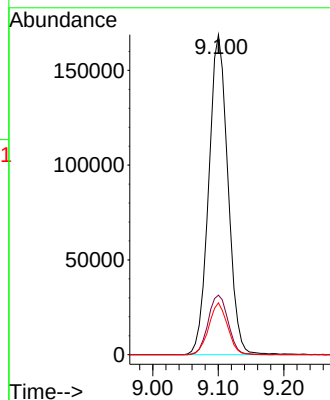
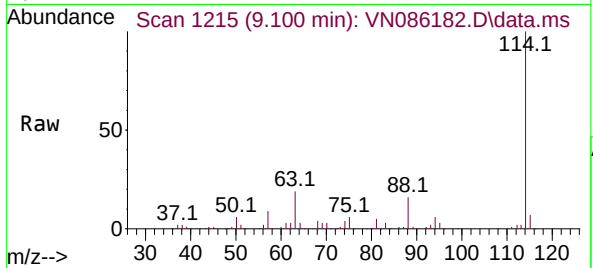




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

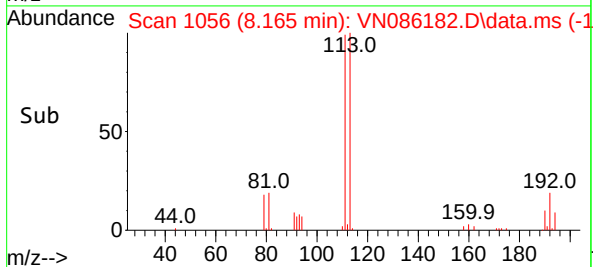
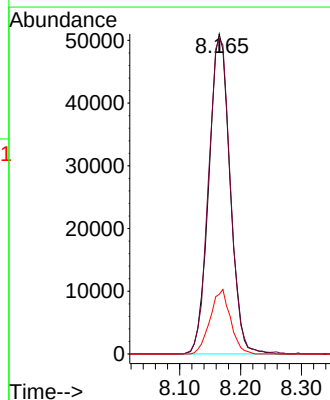
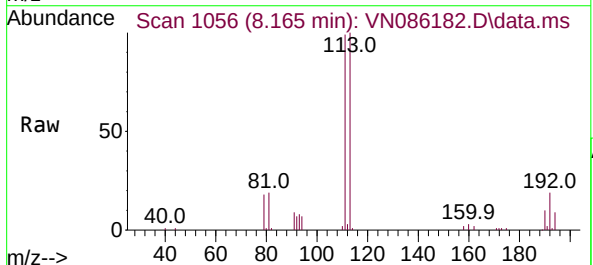
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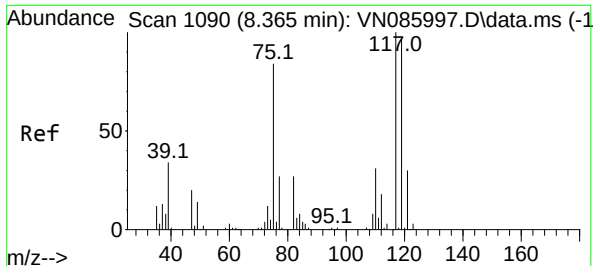
Tgt Ion:114 Resp: 342725
Ion Ratio Lower Upper
114 100
63 18.6 0.0 39.6
88 16.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.537 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

Tgt Ion:113 Resp: 123285
Ion Ratio Lower Upper
113 100
111 101.1 81.8 122.8
192 19.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.330 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086182.D

Acq: 31 Mar 2025 20:16

Instrument :

MSVOA_N

ClientSampleId :

PB167374ZHE#06

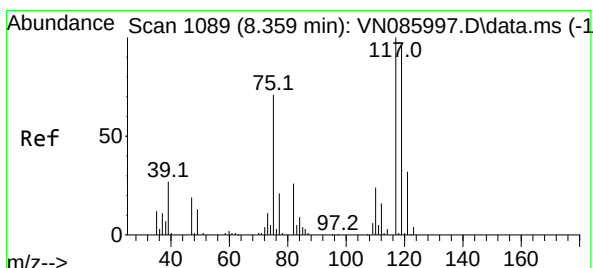
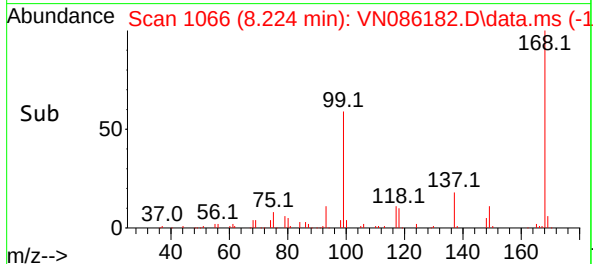
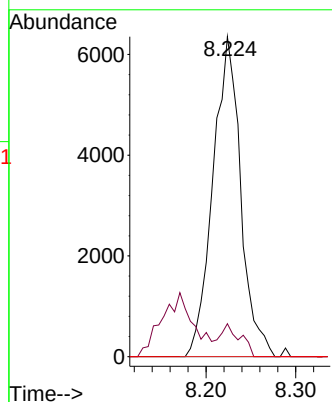
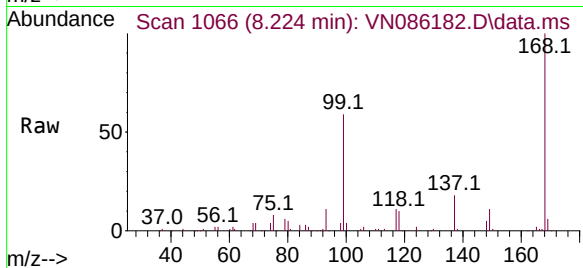
Tgt Ion: 75 Resp: 13638

Ion Ratio Lower Upper

75 100

110 7.6 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.422 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086182.D

Acq: 31 Mar 2025 20:16

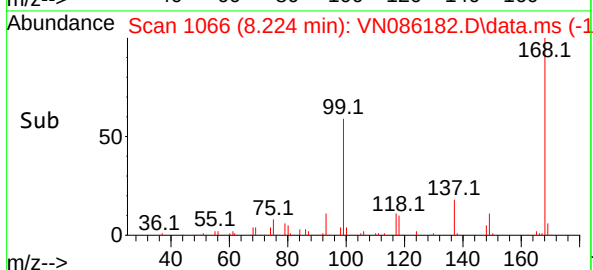
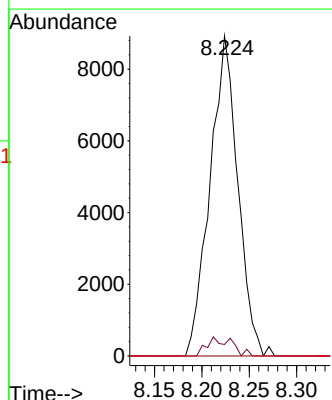
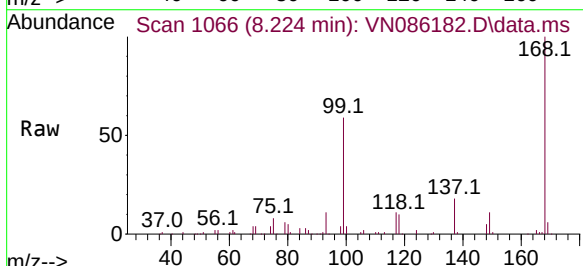
Tgt Ion: 117 Resp: 18316

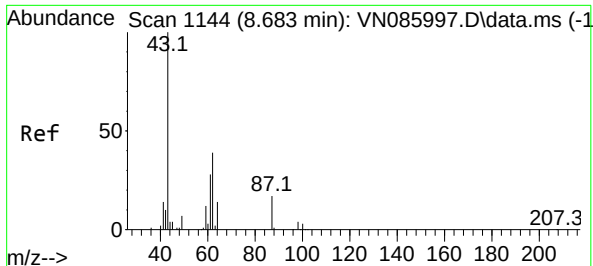
Ion Ratio Lower Upper

117 100

119 3.6 77.0 115.4#

121 0.0 25.6 38.4#

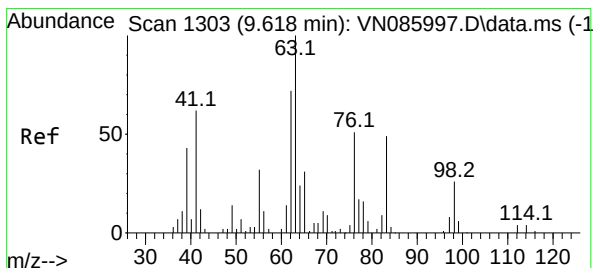
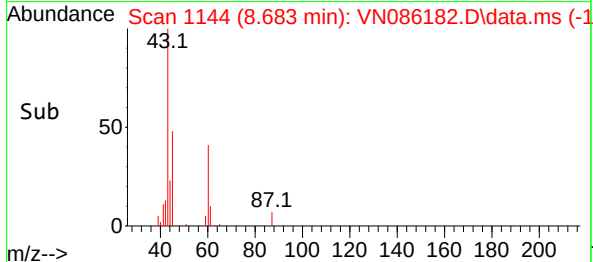
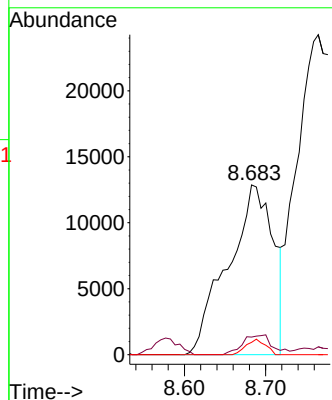
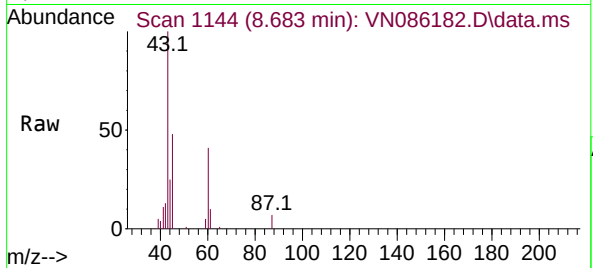




#43
Isopropyl Acetate
Concen: 8.697 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

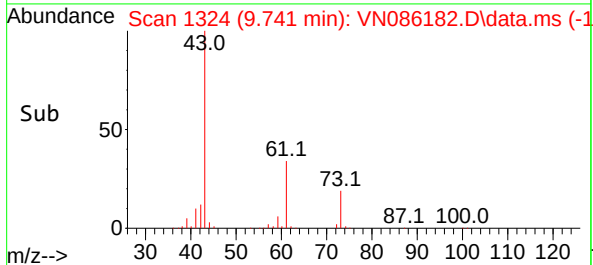
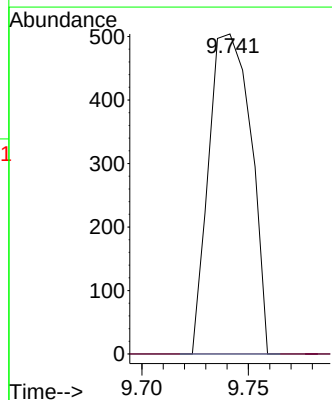
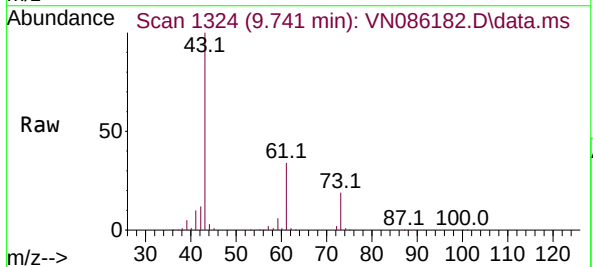
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#06

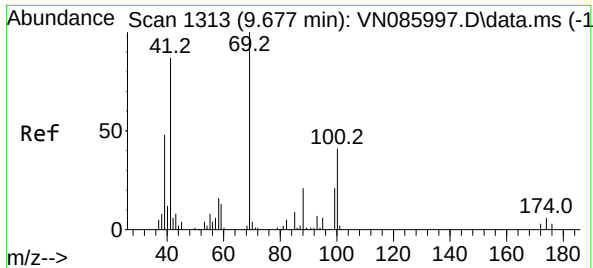
Tgt Ion: 43 Resp: 50080
Ion Ratio Lower Upper
43 100
61 7.6 25.0 37.6#
87 3.9 13.0 19.4#



#45
1,2-Dichloropropane
Concen: 0.308 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

Tgt Ion: 63 Resp: 693
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

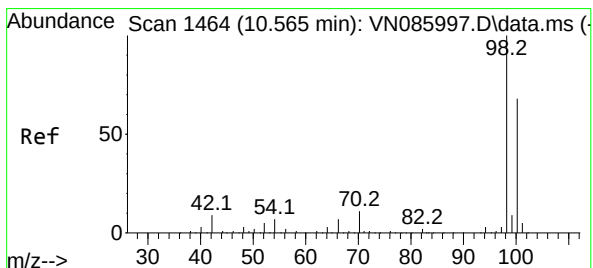
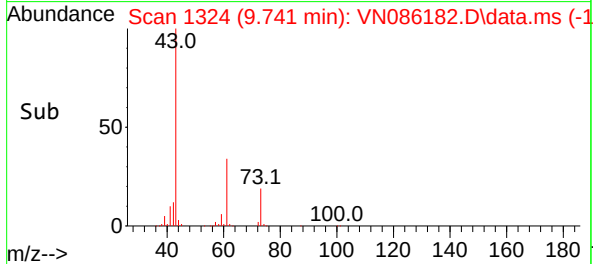
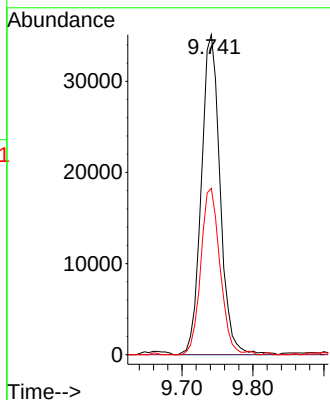
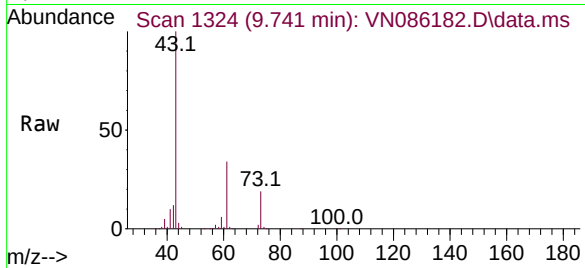




#48
Methyl methacrylate
Concen: 34.010 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

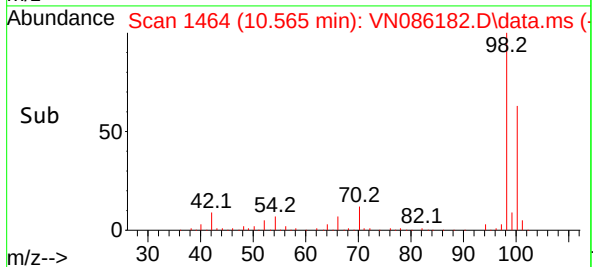
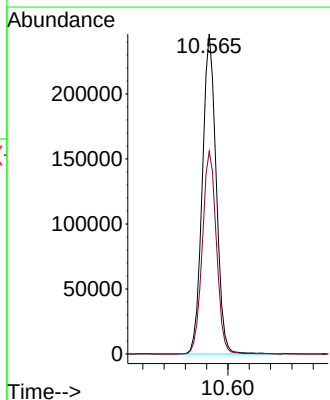
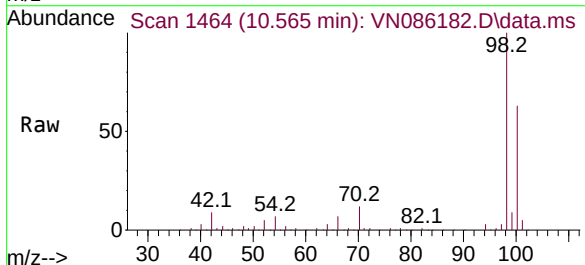
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#06

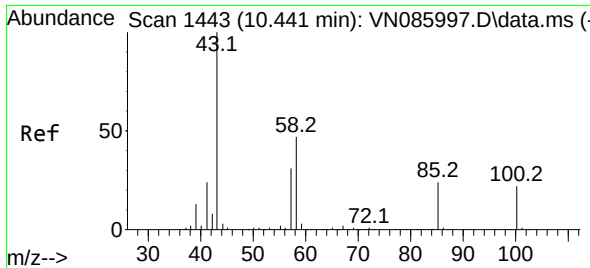
Tgt Ion: 41 Resp: 64627
Ion Ratio Lower Upper
41 100
69 0.0 83.1 124.7#
39 53.4 45.6 68.4



#50
Toluene-d8
Concen: 51.097 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

Tgt Ion: 98 Resp: 443618
Ion Ratio Lower Upper
98 100
100 64.5 53.1 79.7

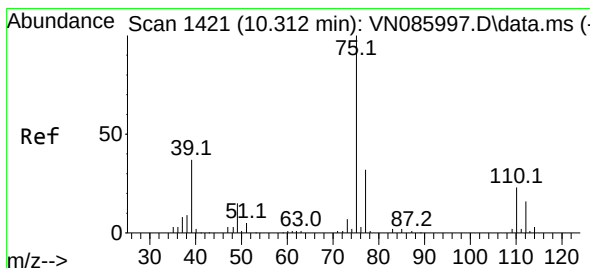
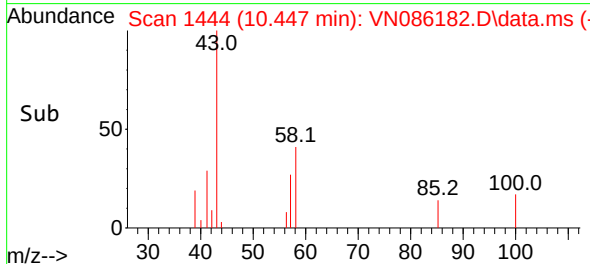
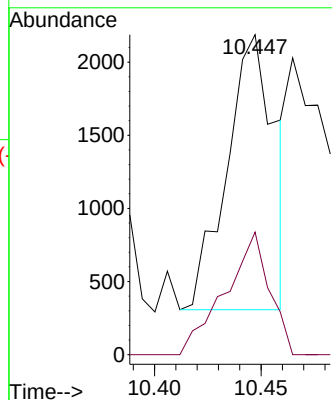
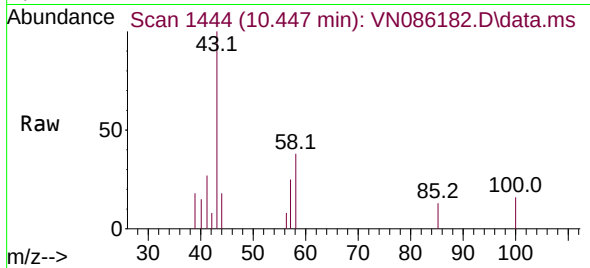




#51
4-Methyl-2-Pentanone
Concen: 1.158 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

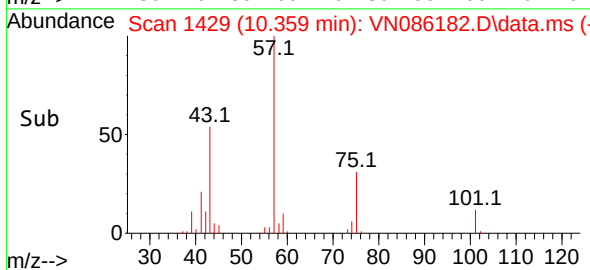
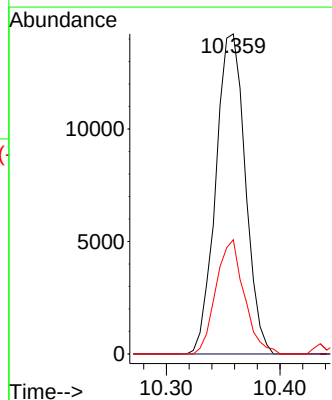
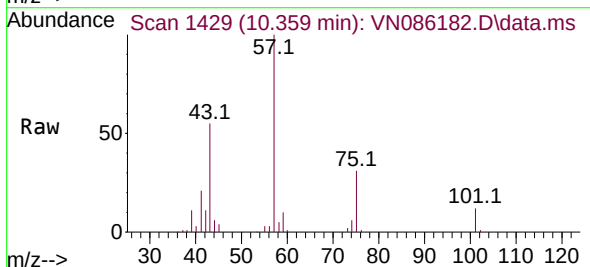
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#06

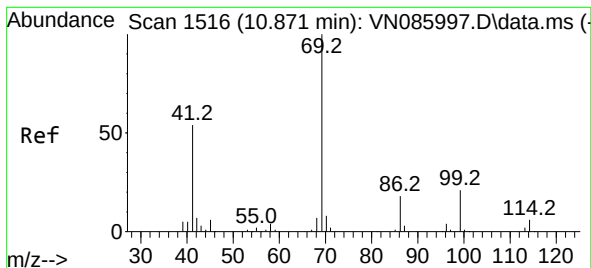
Tgt Ion: 43 Resp: 2941
Ion Ratio Lower Upper
43 100
58 41.2 37.4 56.0



#54
cis-1,3-Dichloropropene
Concen: 6.785 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

Tgt Ion: 75 Resp: 25701
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 35.7 29.6 44.4





#56

Ethyl methacrylate

Concen: 0.432 ug/l

RT: 10.982 min Scan# 1535

Delta R.T. 0.111 min

Lab File: VN086182.D

Acq: 31 Mar 2025 20:16

Instrument :

MSVOA_N

ClientSampleId :

PB167374ZHE#06

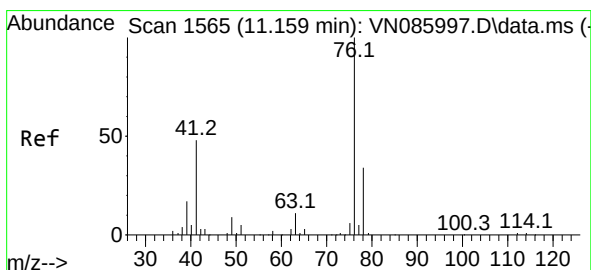
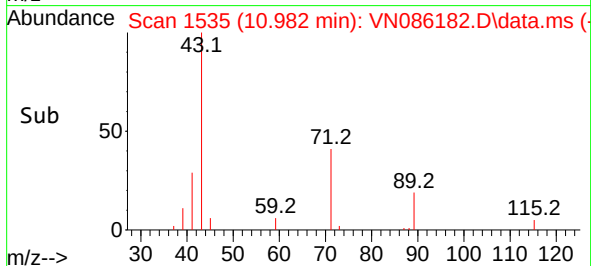
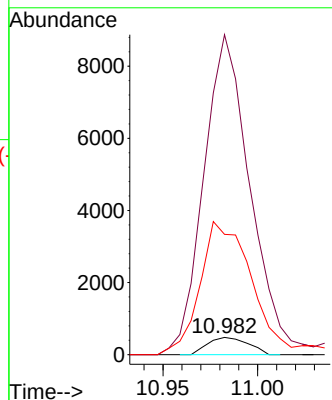
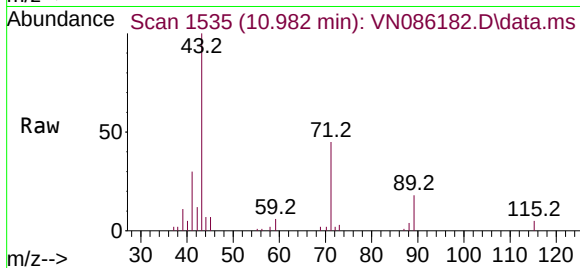
Tgt Ion: 69 Resp: 715

Ion Ratio Lower Upper

69 100

41 2143.6 41.6 62.4#

39 1010.3 21.8 32.8#



#57

1,3-Dichloropropane

Concen: 0.703 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086182.D

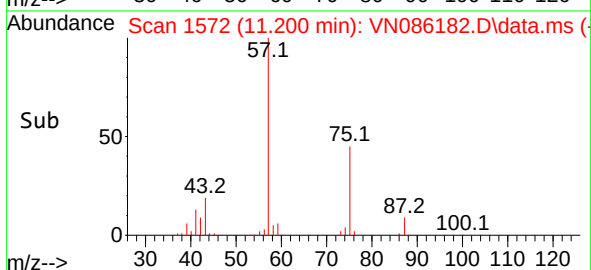
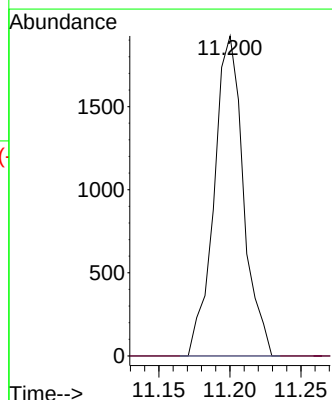
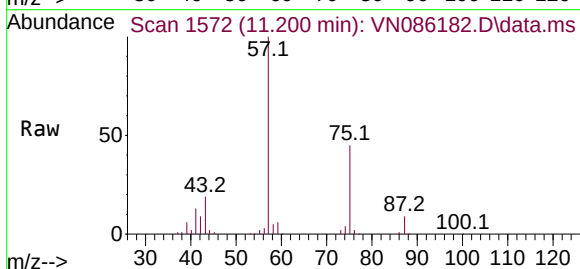
Acq: 31 Mar 2025 20:16

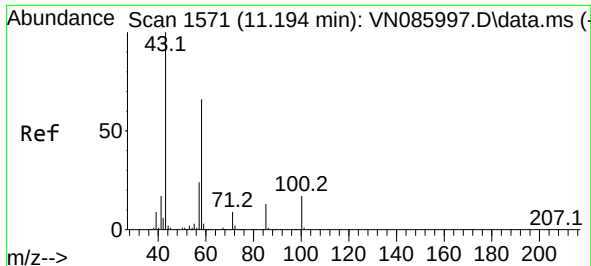
Tgt Ion: 76 Resp: 2764

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

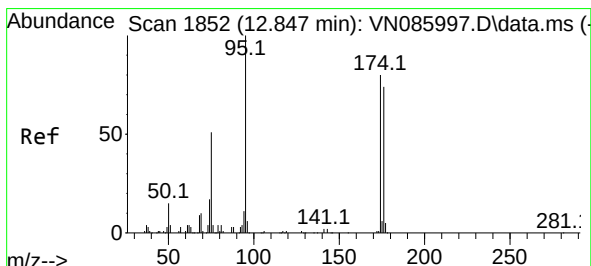
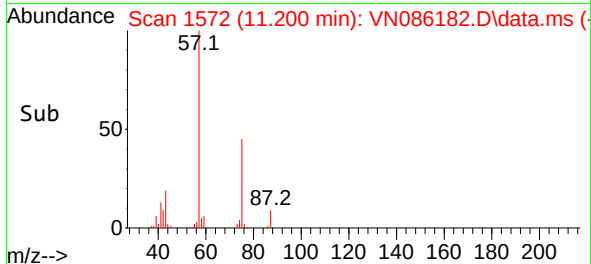
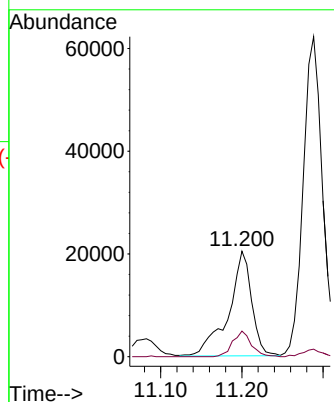
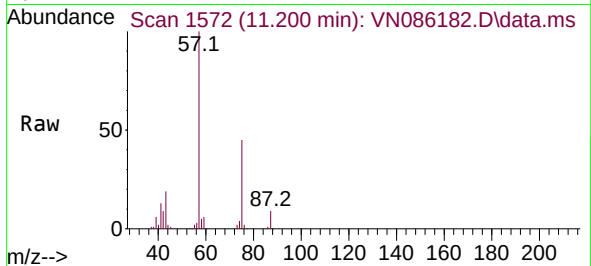




#59
2-Hexanone
Concen: 21.777 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

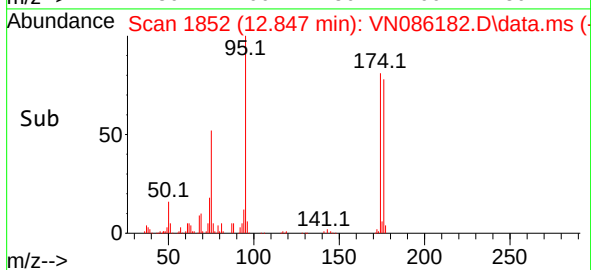
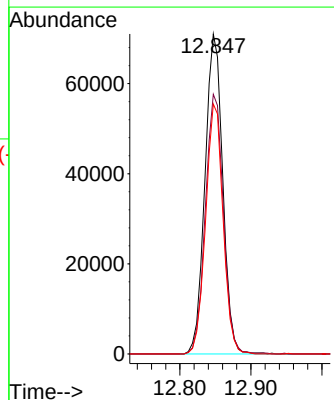
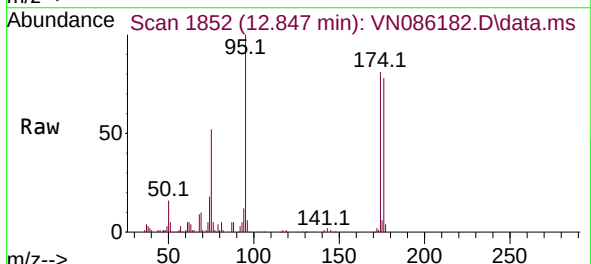
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#06

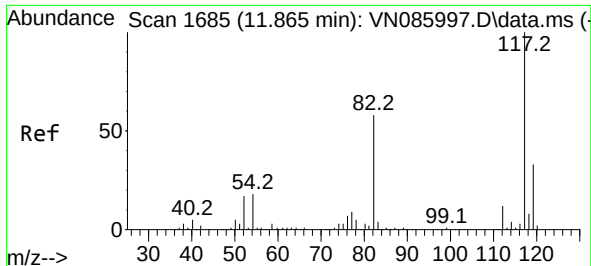
Tgt Ion: 43 Resp: 40290
Ion Ratio Lower Upper
43 100
58 19.7 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 39.845 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

Tgt Ion: 95 Resp: 123370
Ion Ratio Lower Upper
95 100
174 82.6 0.0 156.8
176 76.8 0.0 152.2

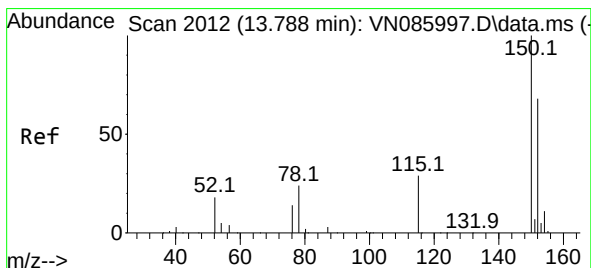
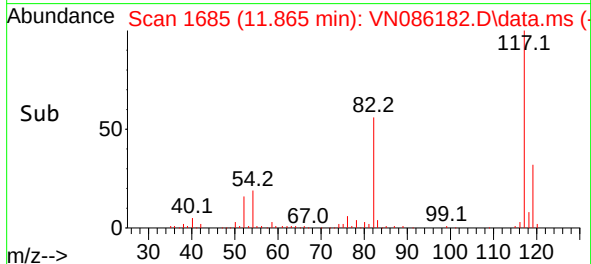
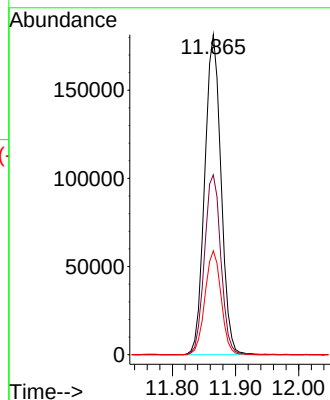
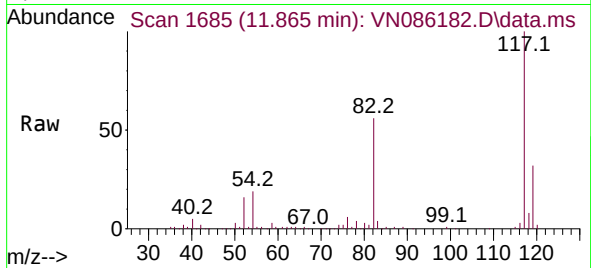




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

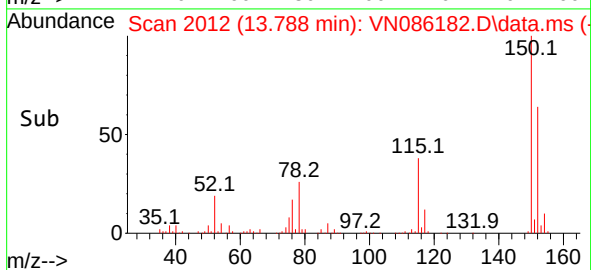
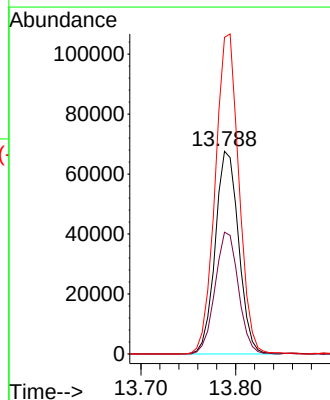
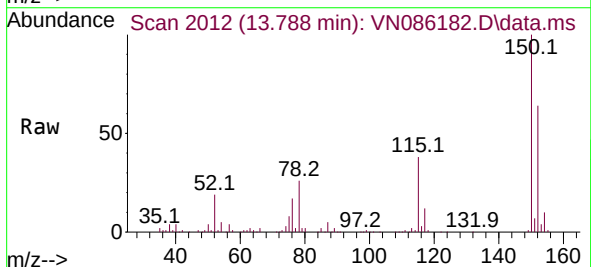
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#06

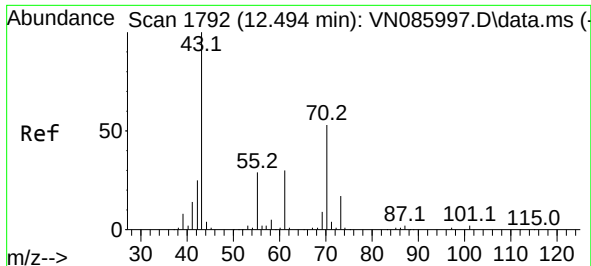
Tgt Ion:117 Resp: 325187
Ion Ratio Lower Upper
117 100
82 56.2 46.7 70.1
119 32.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

Tgt Ion:152 Resp: 115982
Ion Ratio Lower Upper
152 100
115 60.0 31.1 93.2
150 159.7 0.0 359.6

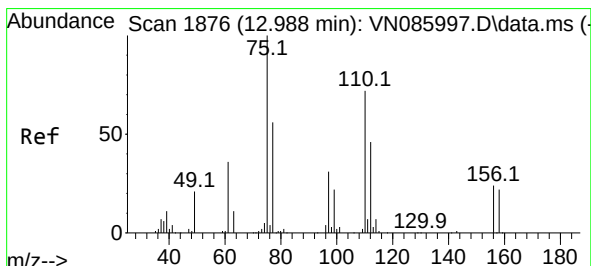
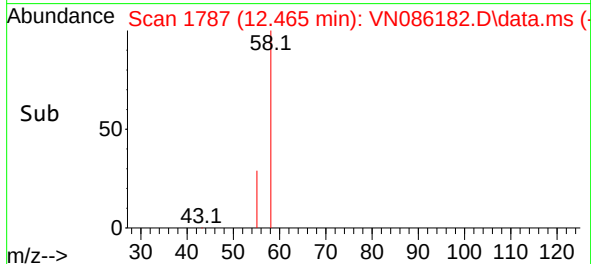
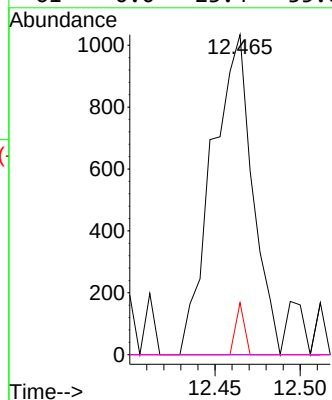
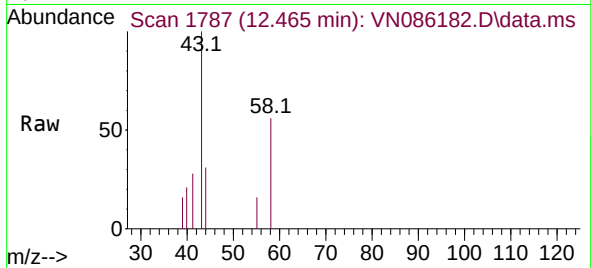




#74
N-amyl acetate
Concen: 0.647 ug/l
RT: 12.465 min Scan# 1715
Delta R.T. -0.029 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

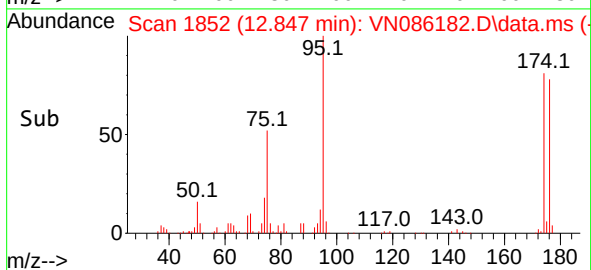
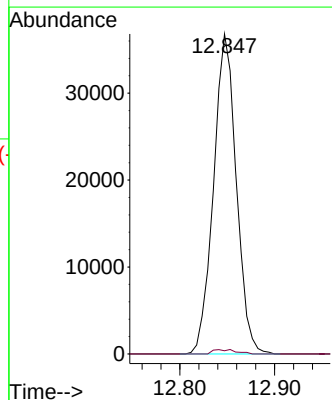
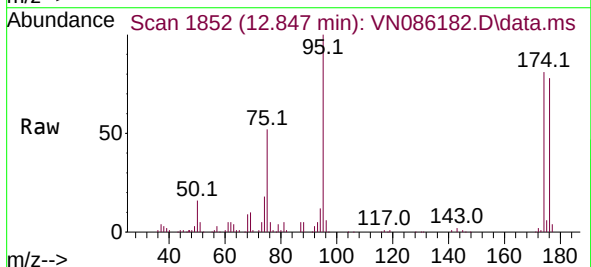
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#06

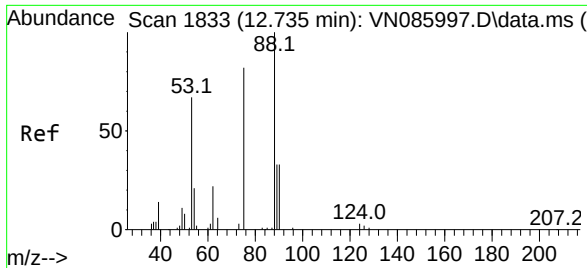
Tgt Ion:	43	Resp:	1715
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.0	64.4#
55	3.4	23.8	35.8#
61	0.0	23.4	35.0#



#76
1,2,3-Trichloropropane
Concen: 23.647 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086182.D
Acq: 31 Mar 2025 20:16

Tgt Ion:	75	Resp:	61403
Ion	Ratio	Lower	Upper
75	100		
77	1.4	83.7	251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.520 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086182.D
 Acq: 31 Mar 2025 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#06

Tgt Ion: 75 Resp: 61403
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.0 99.0#
 89 0.0 36.9 55.3#

