

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043025\
 Data File : VN086435.D
 Acq On : 30 Apr 2025 14:39
 Operator : JC\MD
 Sample : PB167775ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167775ZHE#05

Quant Time: May 01 01:34:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

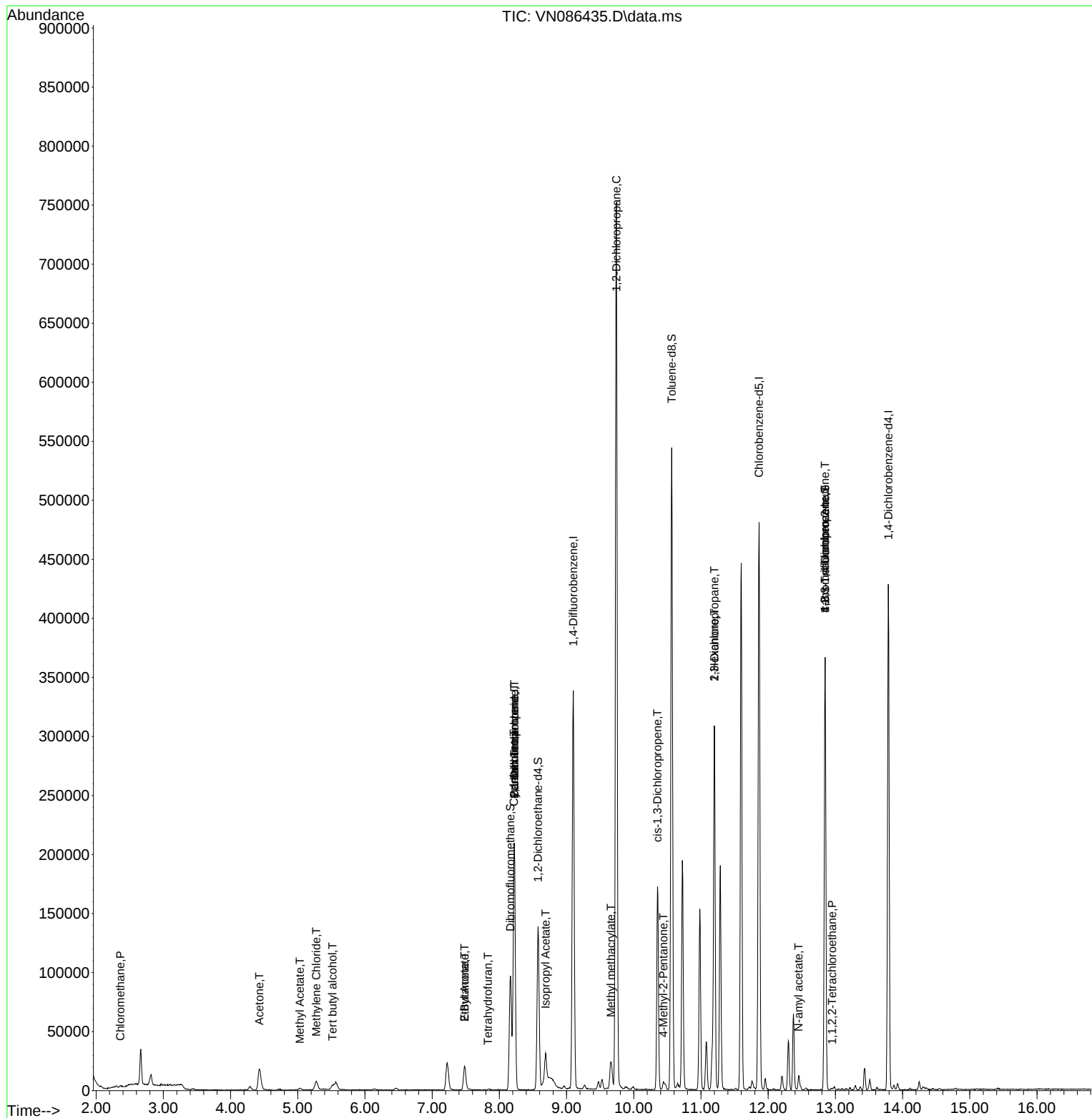
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	155881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	294504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	278055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113556	50.237	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.480%	
35) Dibromofluoromethane	8.165	113	72482	53.029	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.060%	
50) Toluene-d8	10.565	98	380352	52.067	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.140%	
62) 4-Bromofluorobenzene	12.847	95	131704	49.430	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.860%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	850	0.317	ug/l #	82
11) Tert butyl alcohol	5.518	59	7332	17.777	ug/l #	86
16) Acetone	4.430	43	35333	40.427	ug/l	98
18) Methyl Acetate	5.030	43	2994	1.103	ug/l #	75
20) Methylene Chloride	5.277	84	5533	2.648	ug/l	93
25) 2-Butanone	7.483	43	33813	24.032	ug/l	92
29) Tetrahydrofuran	7.830	42	372	0.395	ug/l #	45
31) Cyclohexane	8.218	56	3835	1.047	ug/l #	11
36) 1,1-Dichloropropene	8.224	75	12794	4.686	ug/l #	50
37) Ethyl Acetate	7.483	43	33813	11.764	ug/l #	68
38) Carbon Tetrachloride	8.224	117	15723	6.048	ug/l #	15
43) Isopropyl Acetate	8.688	43	50971	8.167	ug/l #	76
45) 1,2-Dichloropropane	9.741	63	670	0.313	ug/l #	43
48) Methyl methacrylate	9.659	41	4877	1.932	ug/l #	43
51) 4-Methyl-2-Pentanone	10.441	43	4424	1.503	ug/l	98
54) cis-1,3-Dichloropropene	10.353	75	33150	9.177	ug/l #	58
57) 1,3-Dichloropropane	11.200	76	3040	0.873	ug/l #	43
59) 2-Hexanone	11.200	43	81482	37.325	ug/l #	50
74) N-amyl acetate	12.453	43	9164	1.946	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.953	83	770	0.283	ug/l #	25
76) 1,2,3-Trichloropropane	12.847	75	66821	24.489	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66821	58.814	ug/l #	10

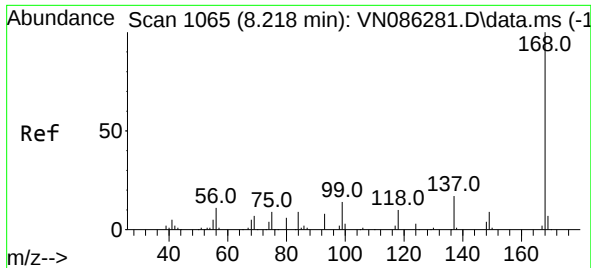
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

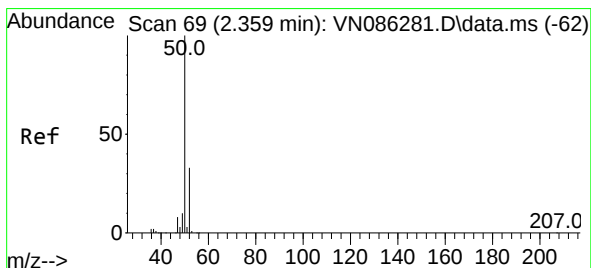
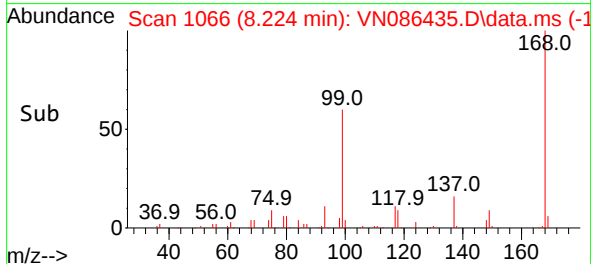
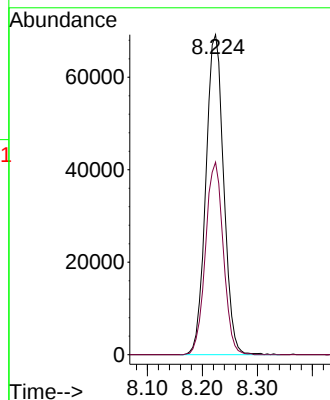
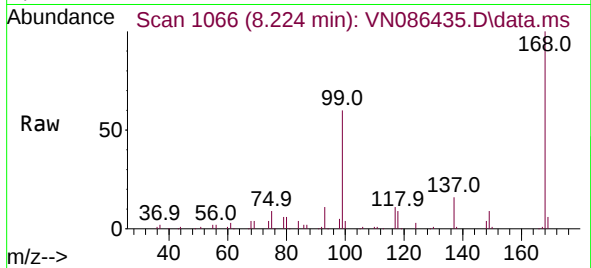




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

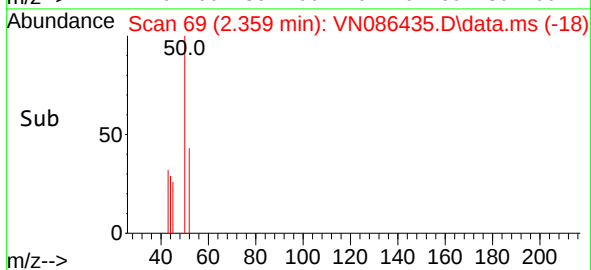
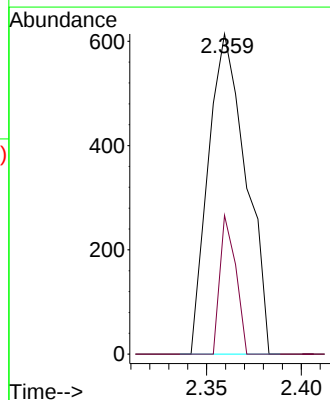
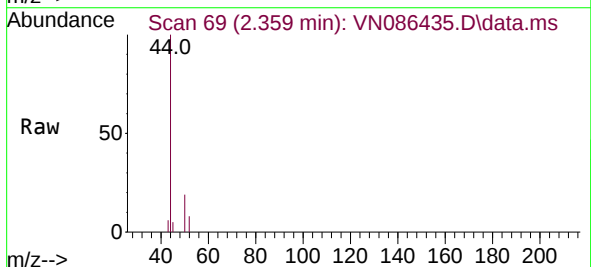
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#05

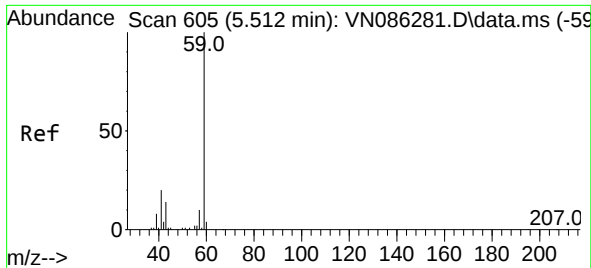
Tgt Ion:168 Resp: 155881
Ion Ratio Lower Upper
168 100
99 60.1 52.5 78.7



#3
Chloromethane
Concen: 0.317 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

Tgt Ion: 50 Resp: 850
Ion Ratio Lower Upper
50 100
52 43.3 26.5 39.7#

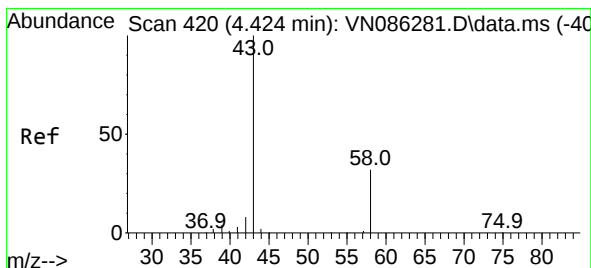
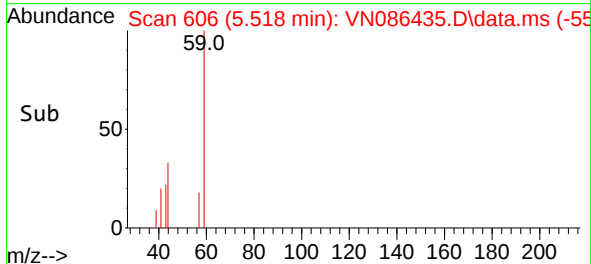
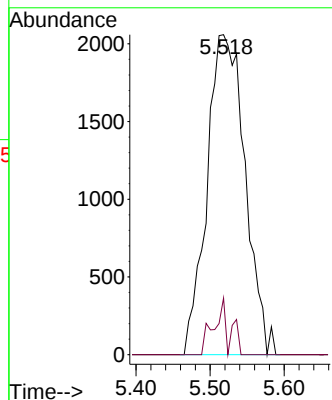
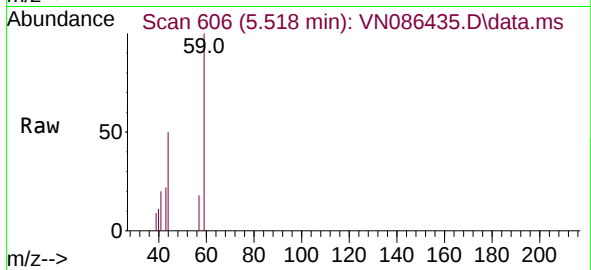




#11
Tert butyl alcohol
Concen: 17.777 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

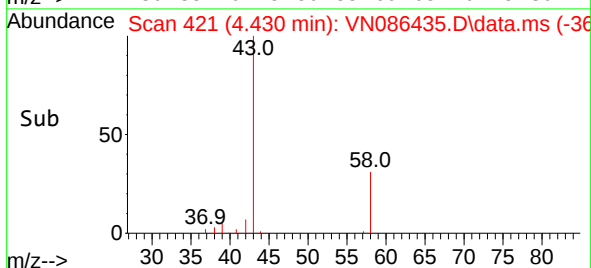
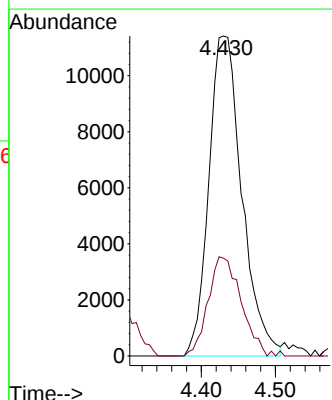
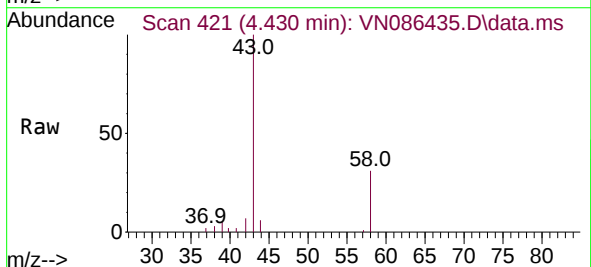
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#05

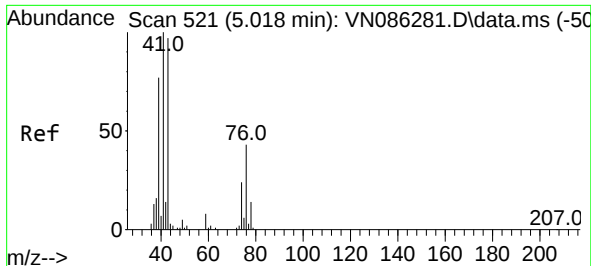
Tgt Ion: 59 Resp: 7332
Ion Ratio Lower Upper
59 100
57 5.2 8.3 12.5#



#16
Acetone
Concen: 40.427 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

Tgt Ion: 43 Resp: 35333
Ion Ratio Lower Upper
43 100
58 30.5 25.3 37.9

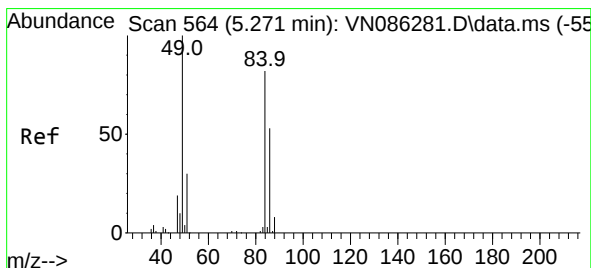
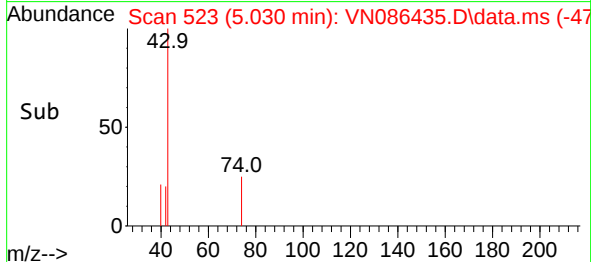
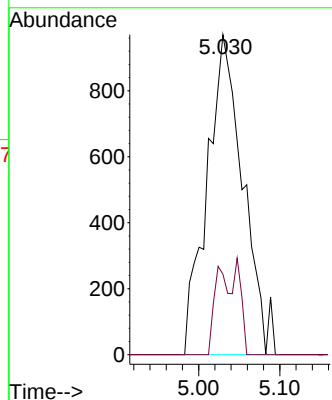
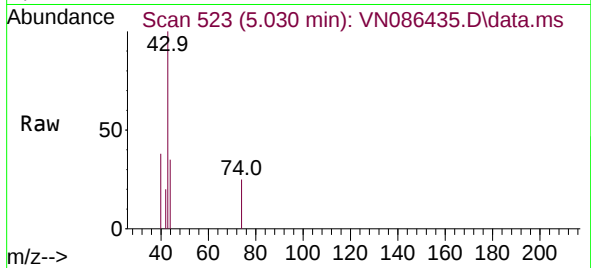




#18
Methyl Acetate
Concen: 1.103 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

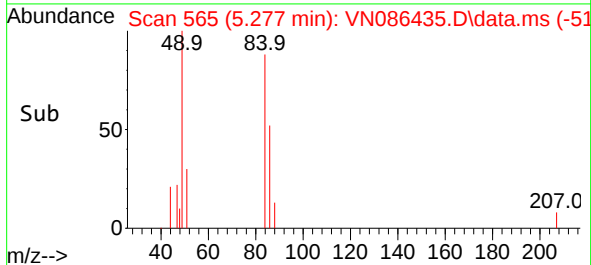
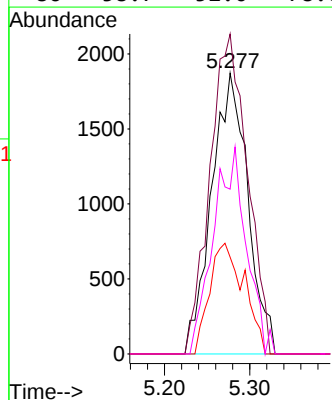
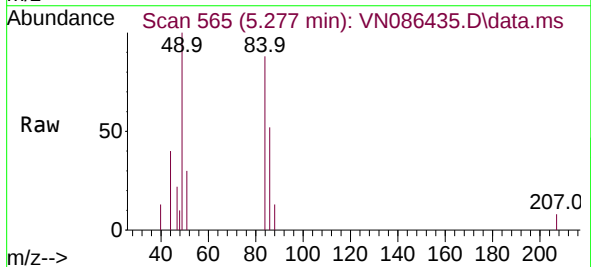
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#05

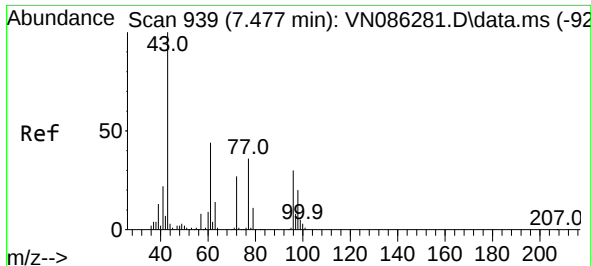
Tgt Ion: 43 Resp: 2994
Ion Ratio Lower Upper
43 100
74 12.2 19.8 29.6#



#20
Methylene Chloride
Concen: 2.648 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

Tgt Ion: 84 Resp: 5533
Ion Ratio Lower Upper
84 100
49 113.9 98.2 147.2
51 34.5 29.8 44.6
86 58.7 52.0 78.0

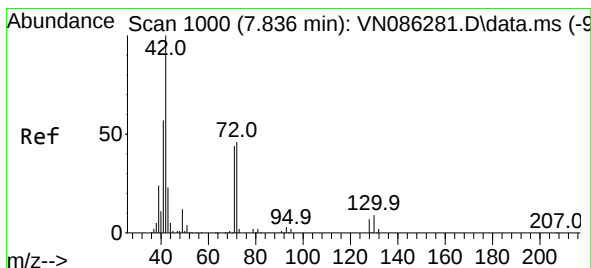
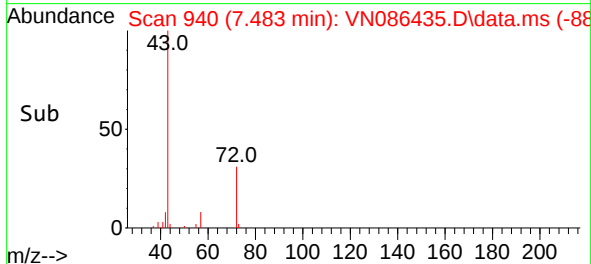
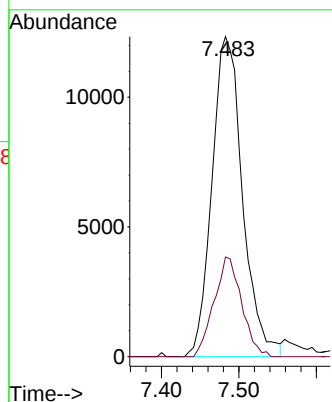
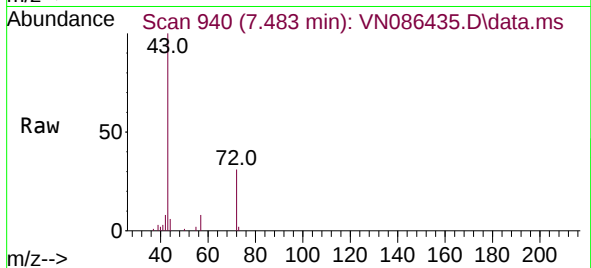




#25
2-Butanone
Concen: 24.032 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

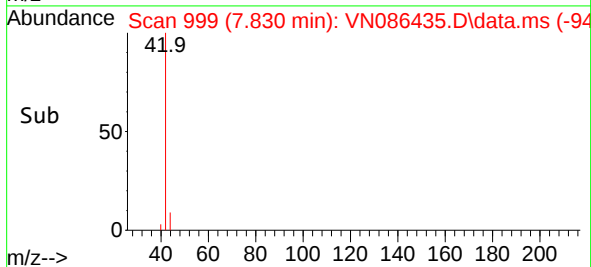
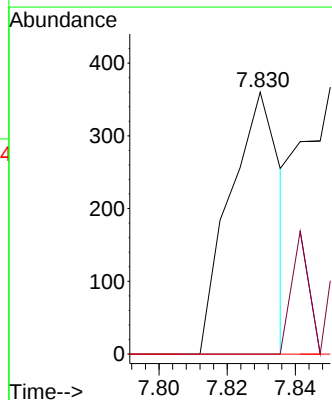
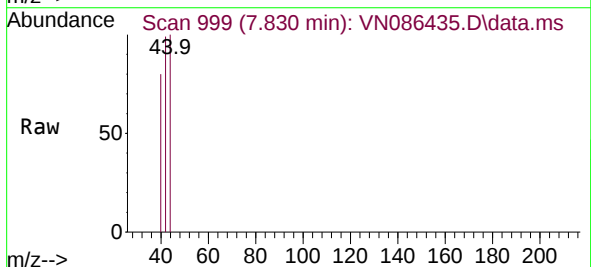
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#05

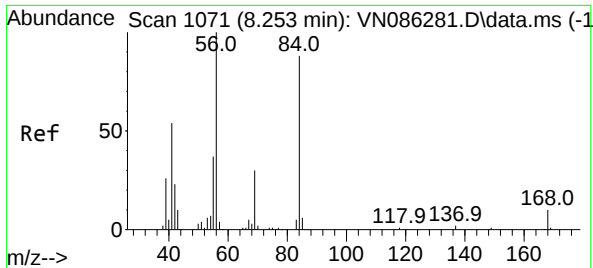
Tgt Ion: 43 Resp: 33813
Ion Ratio Lower Upper
43 100
72 31.2 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.395 ug/l
RT: 7.830 min Scan# 999
Delta R.T. -0.006 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

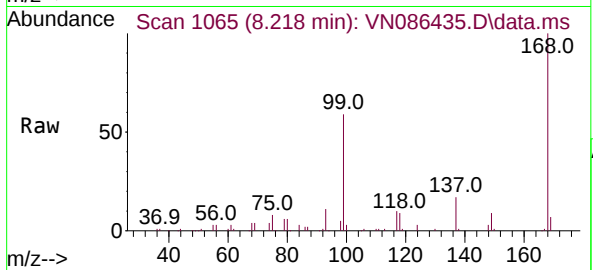
Tgt Ion: 42 Resp: 372
Ion Ratio Lower Upper
42 100
72 16.1 36.2 54.4#
71 0.0 34.0 51.0#



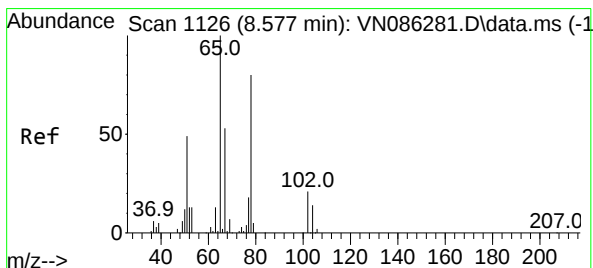
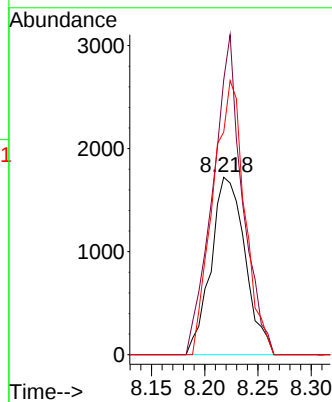
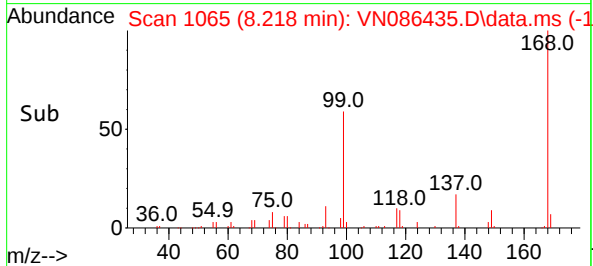


#31
Cyclohexane
Concen: 1.047 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

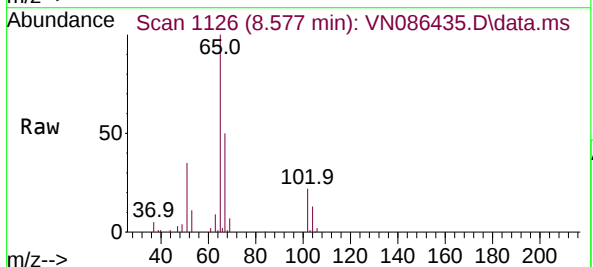
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MSVOA_N
ClientSampleId :
PB167775ZHE#05



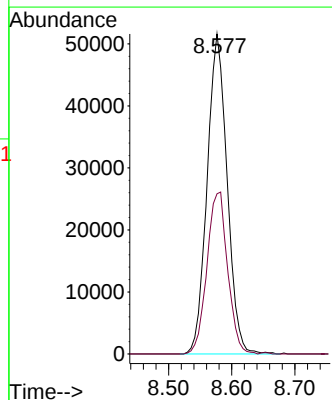
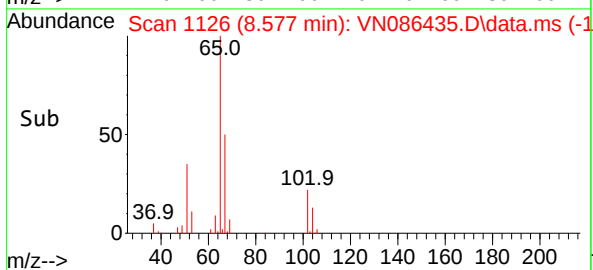
Tgt Ion: 56 Resp: 3835
Ion Ratio Lower Upper
56 100
69 154.9 24.2 36.2#
84 125.5 70.3 105.5#

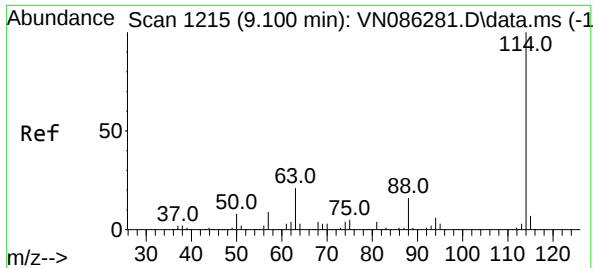


#33
1,2-Dichloroethane-d4
Concen: 50.237 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39



Tgt Ion: 65 Resp: 113556
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.0

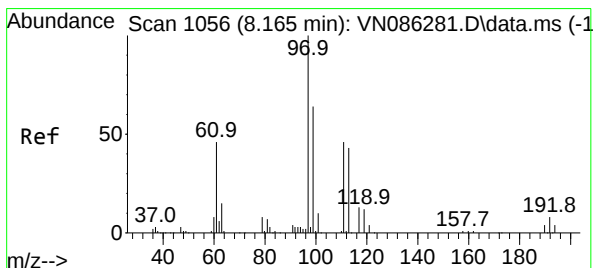
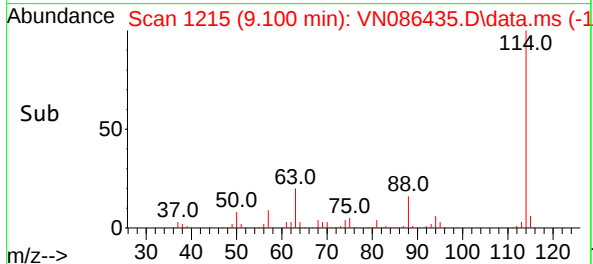
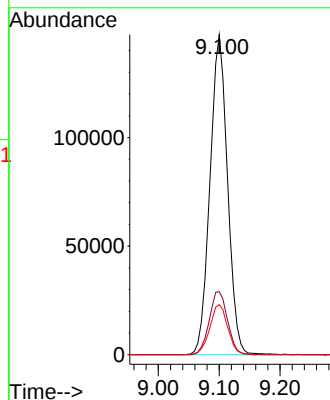
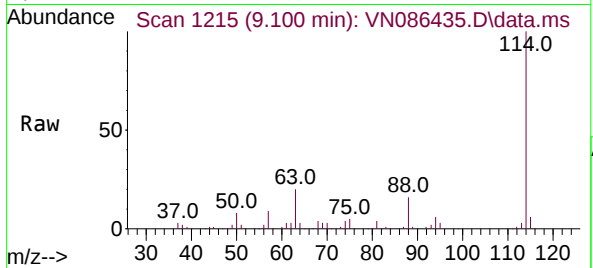




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

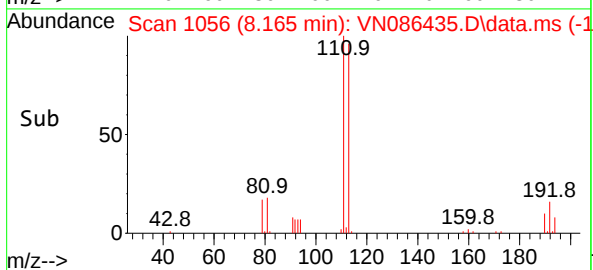
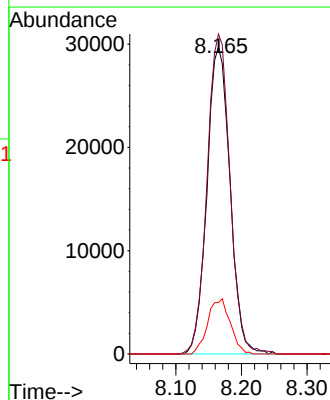
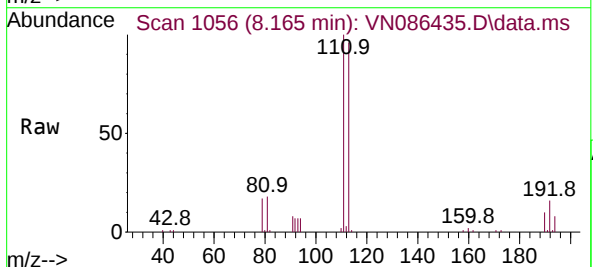
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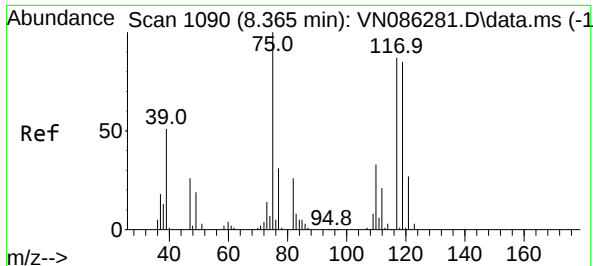
Tgt Ion:114 Resp: 294504
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.6
88 15.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 53.029 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

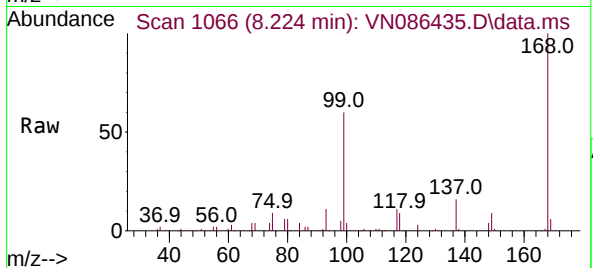
Tgt Ion:113 Resp: 72482
Ion Ratio Lower Upper
113 100
111 103.7 83.4 125.0
192 17.6 13.7 20.5



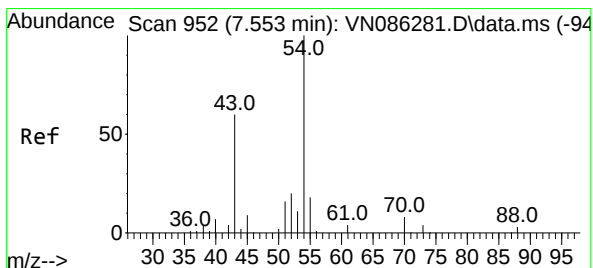
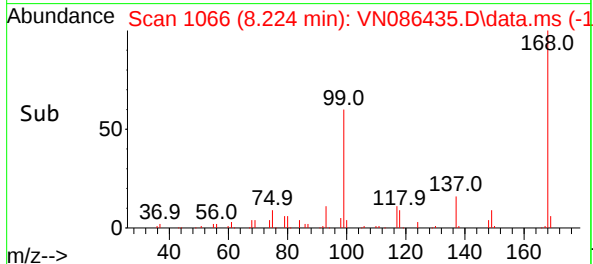
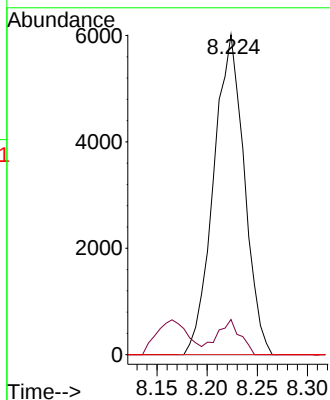


#36
1,1-Dichloropropene
Concen: 4.686 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

Instrument :
MSVOA_N
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PB167775ZHE#05

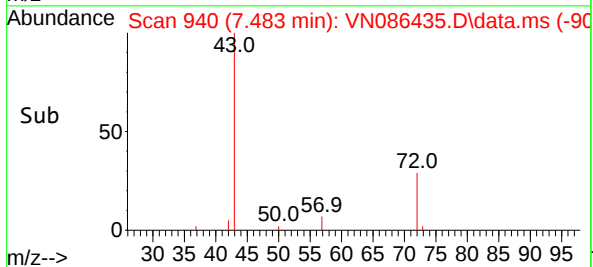
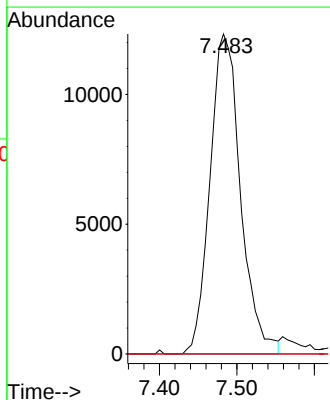
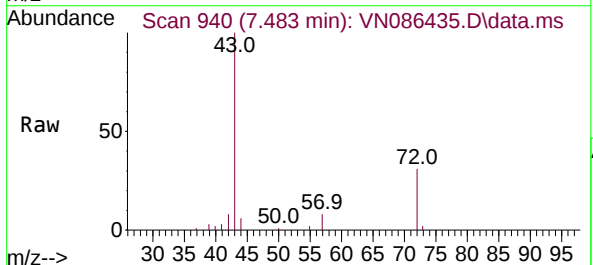


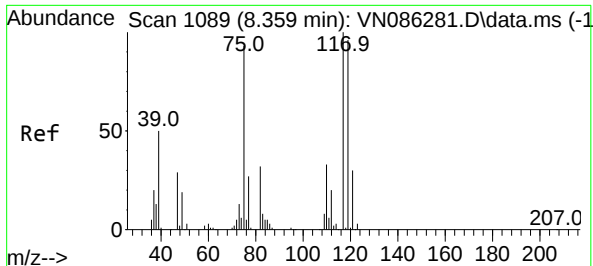
Tgt Ion: 75 Resp: 12794
Ion Ratio Lower Upper
75 100
110 8.3 16.8 50.4#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 11.764 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.071 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

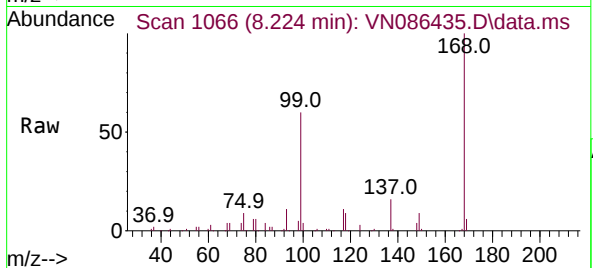
Tgt Ion: 43 Resp: 33813
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 9.2 13.8#



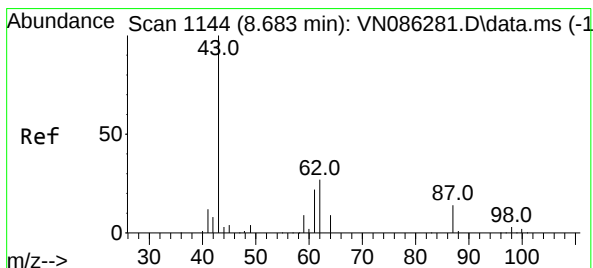
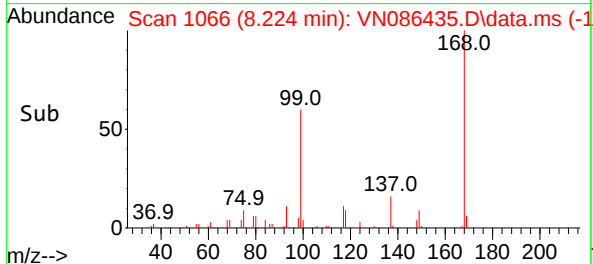
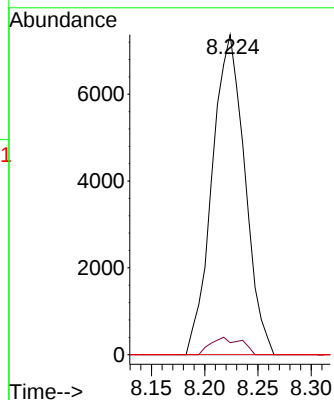


#38
Carbon Tetrachloride
Concen: 6.048 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#05

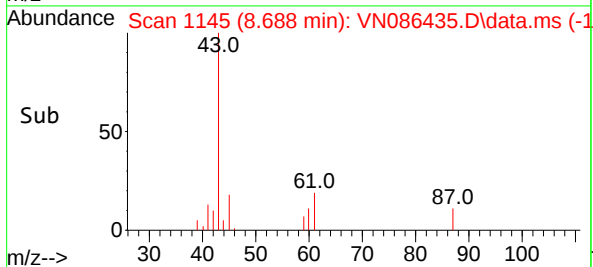
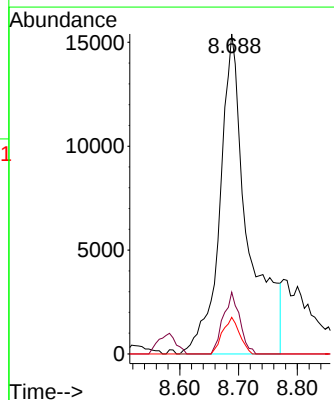
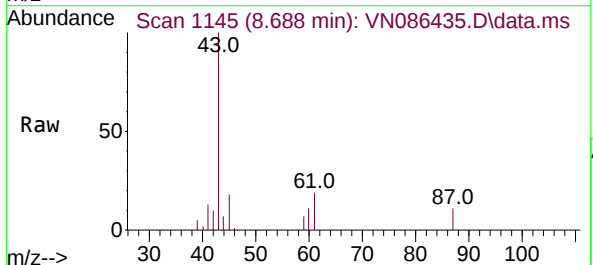


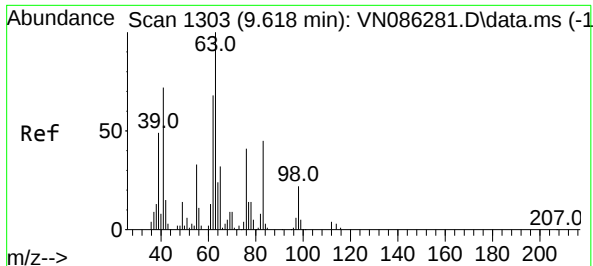
Tgt Ion:117 Resp: 15723
Ion Ratio Lower Upper
117 100
119 3.8 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 8.167 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

Tgt Ion: 43 Resp: 50971
Ion Ratio Lower Upper
43 100
61 11.4 20.5 30.7#
87 6.9 10.5 15.7#





#45

1,2-Dichloropropane

Concen: 0.313 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN086435.D

Acq: 30 Apr 2025 14:39

Instrument :

MSVOA_N

ClientSampleId :

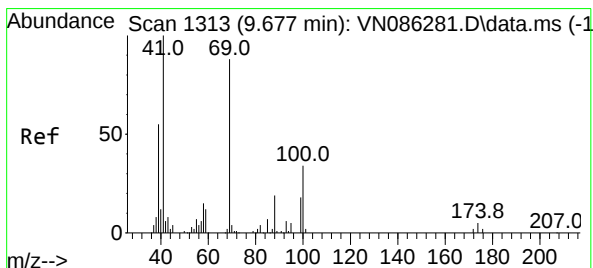
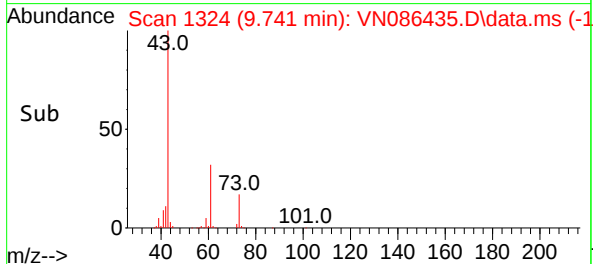
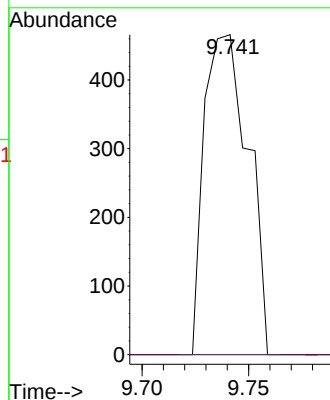
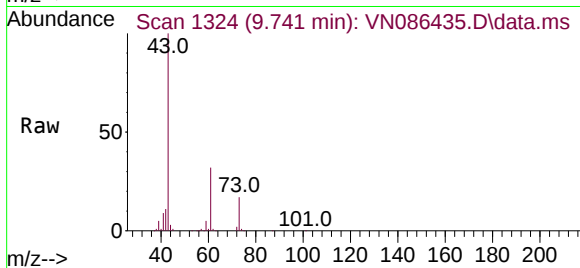
PB167775ZHE#05

Tgt Ion: 63 Resp: 670

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 1.932 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN086435.D

Acq: 30 Apr 2025 14:39

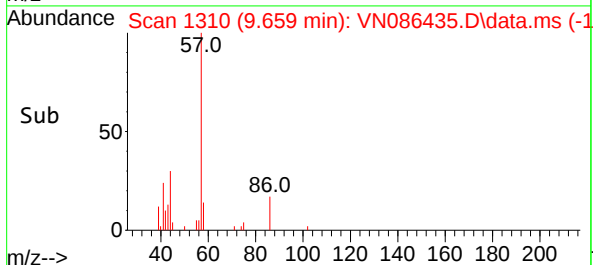
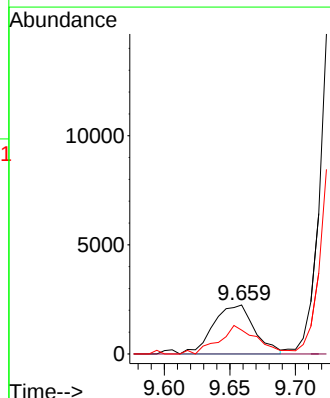
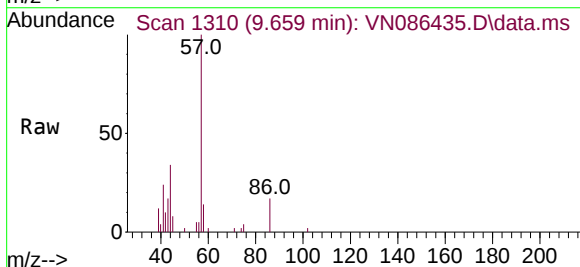
Tgt Ion: 41 Resp: 4877

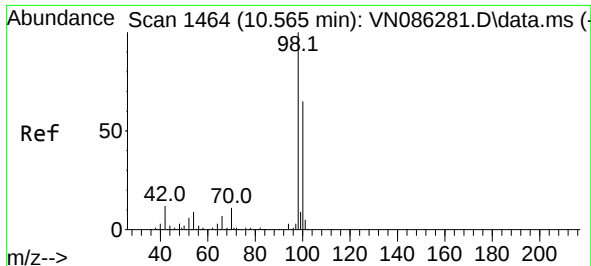
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 55.0 45.2 67.8

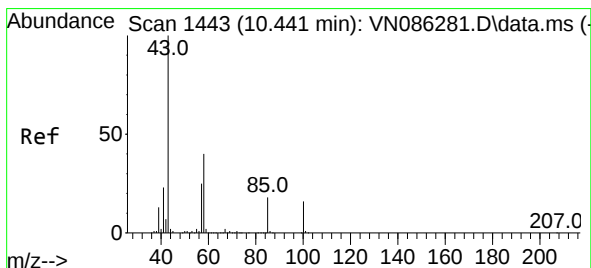
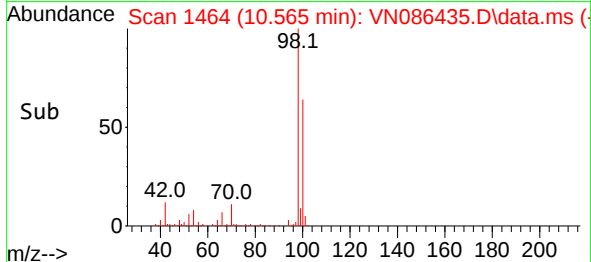
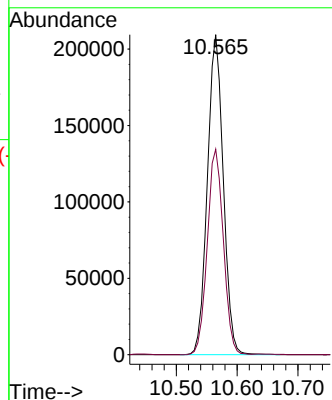
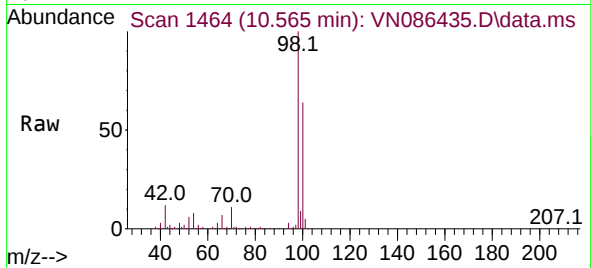




#50
Toluene-d8
Concen: 52.067 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

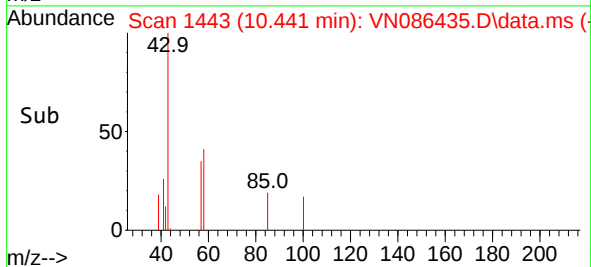
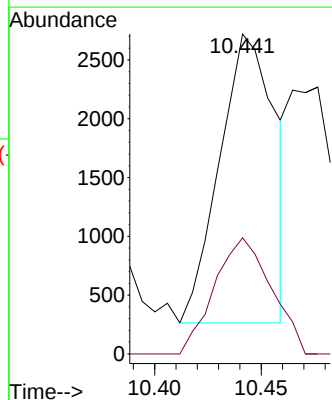
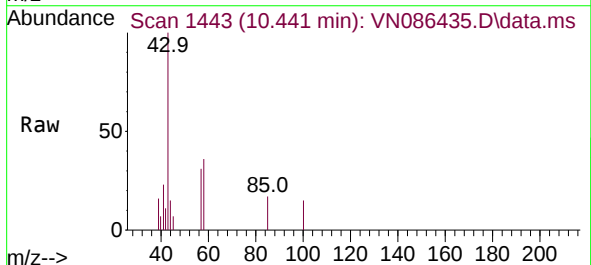
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#05

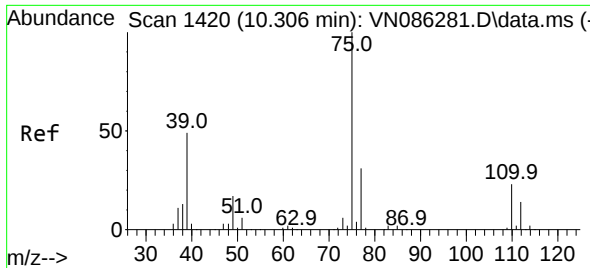
Tgt Ion: 98 Resp: 380352
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.503 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

Tgt Ion: 43 Resp: 4424
Ion Ratio Lower Upper
43 100
58 41.4 32.2 48.4

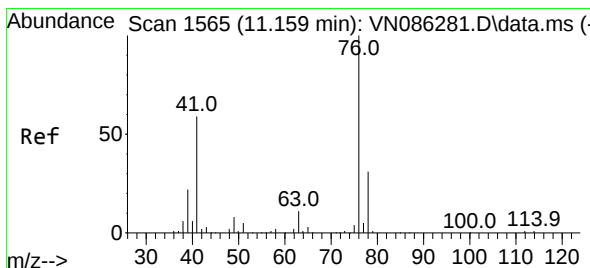
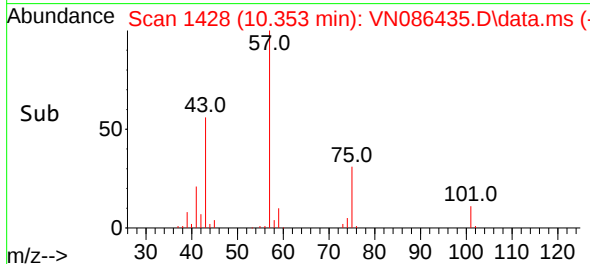
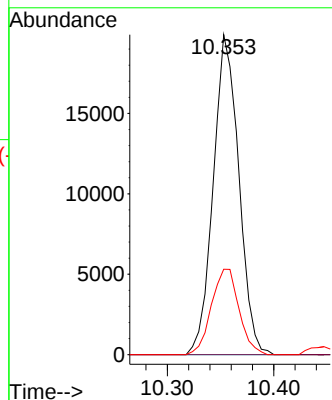
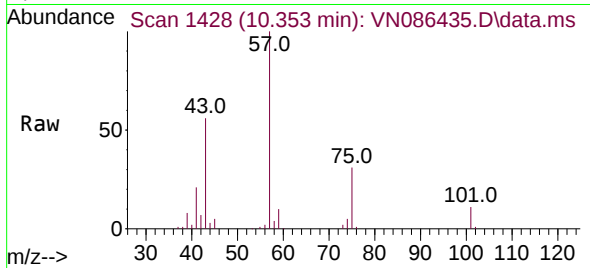




#54
cis-1,3-Dichloropropene
Concen: 9.177 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

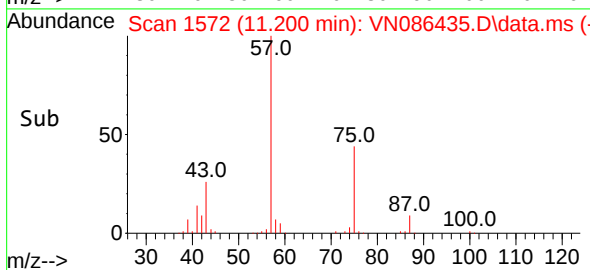
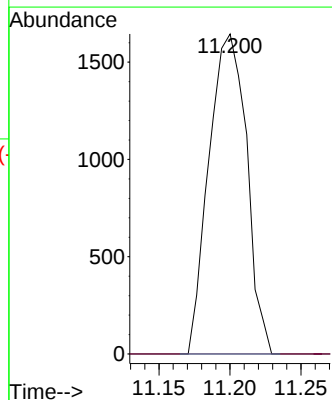
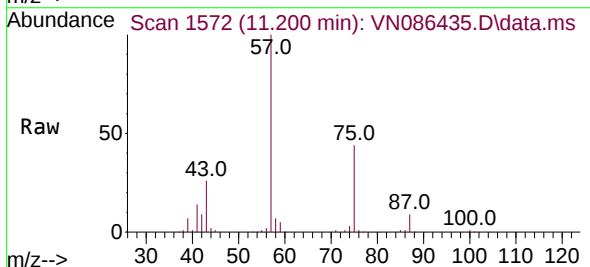
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#05

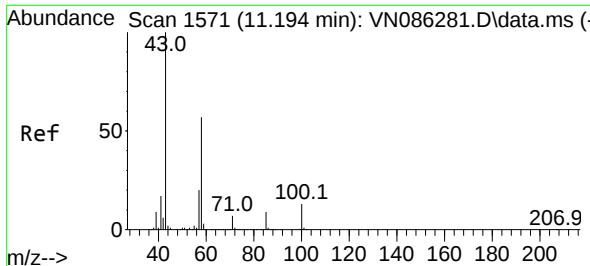
Tgt Ion: 75 Resp: 33150
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 26.7 39.3 58.9#



#57
1,3-Dichloropropane
Concen: 0.873 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

Tgt Ion: 76 Resp: 3040
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

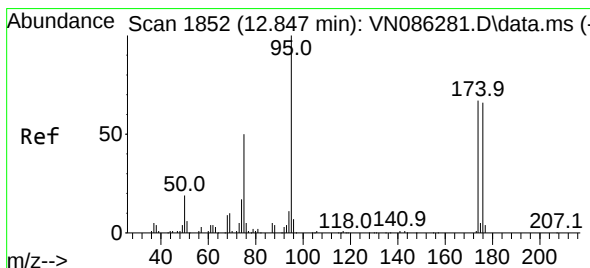
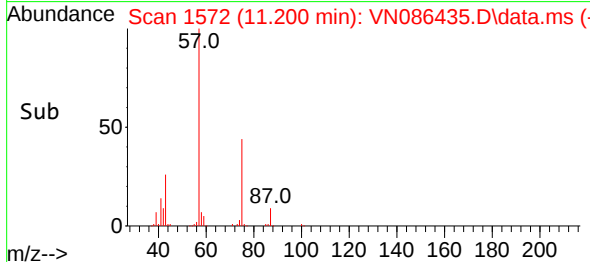
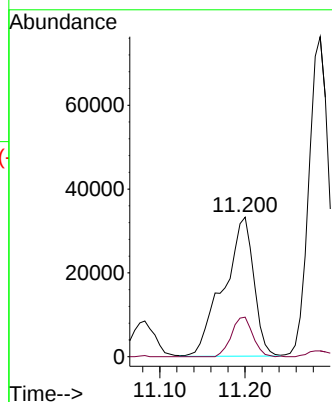
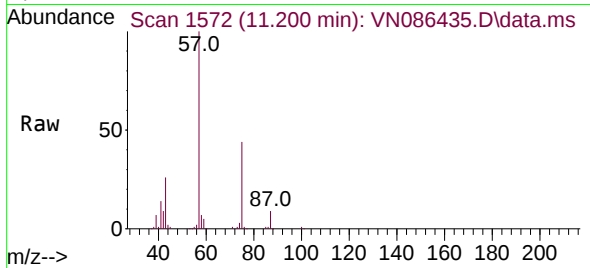




#59
2-Hexanone
Concen: 37.325 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

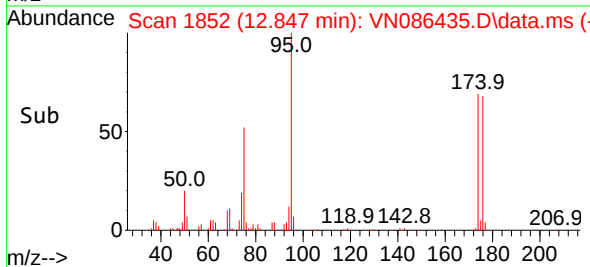
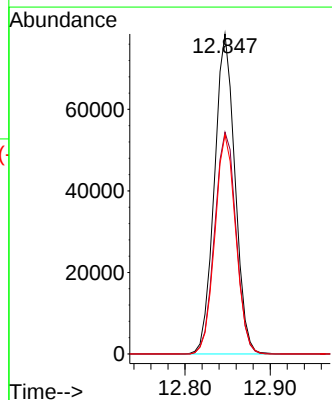
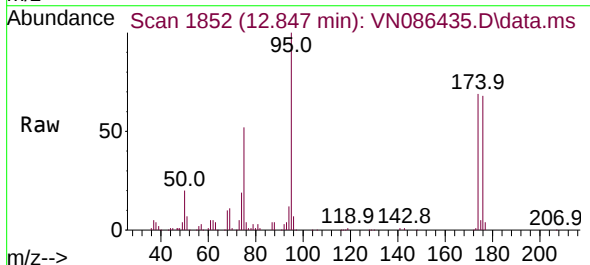
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#05

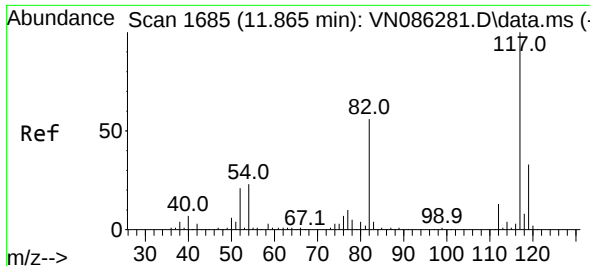
Tgt Ion: 43 Resp: 81482
Ion Ratio Lower Upper
43 100
58 20.3 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 49.430 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

Tgt Ion: 95 Resp: 131704
Ion Ratio Lower Upper
95 100
174 72.1 0.0 133.4
176 69.4 0.0 129.2

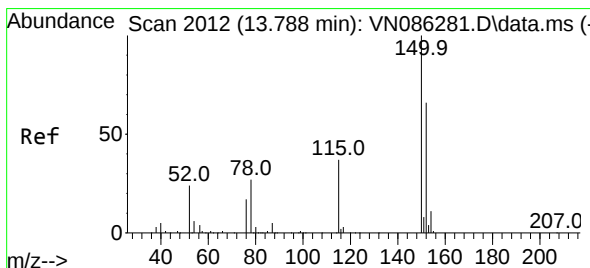
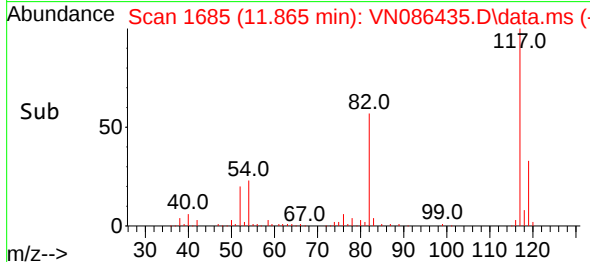
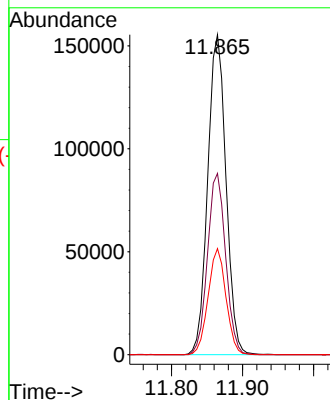
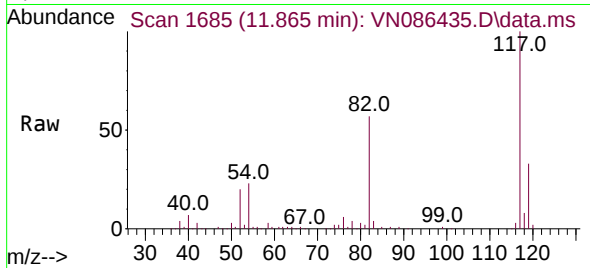




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

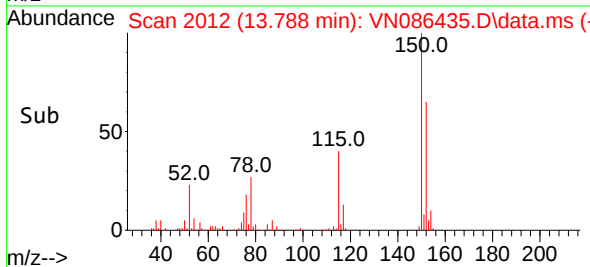
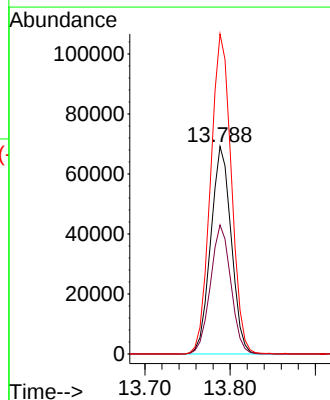
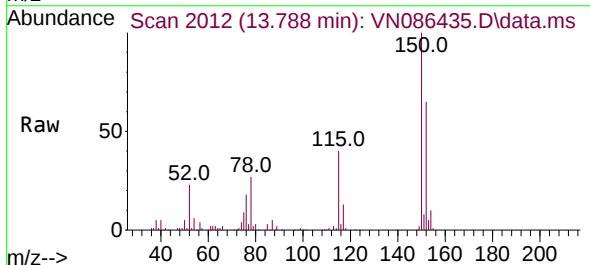
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#05

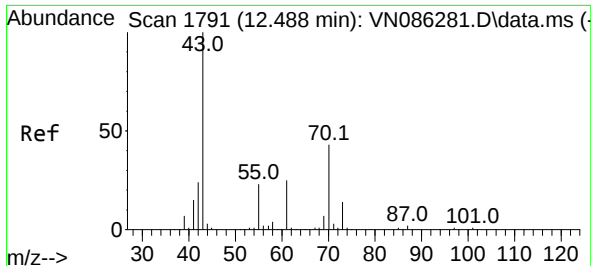
Tgt Ion:117 Resp: 278055
Ion Ratio Lower Upper
117 100
82 56.7 44.7 67.1
119 33.2 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

Tgt Ion:152 Resp: 115625
Ion Ratio Lower Upper
152 100
115 61.8 31.9 95.9
150 156.0 0.0 352.0

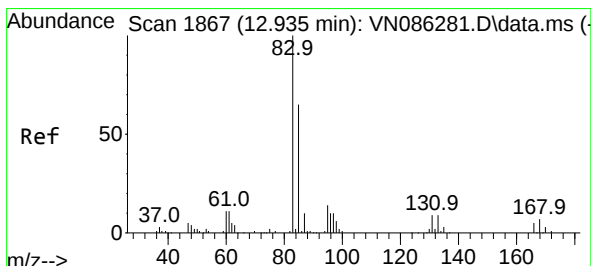
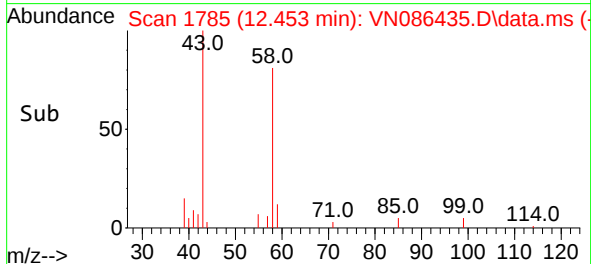
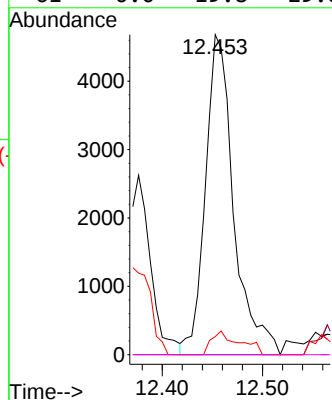
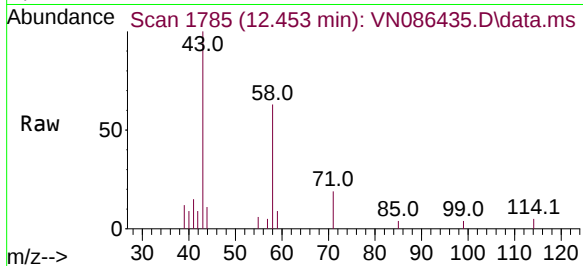




#74
N-amy1 acetate
Concen: 1.946 ug/l
RT: 12.453 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

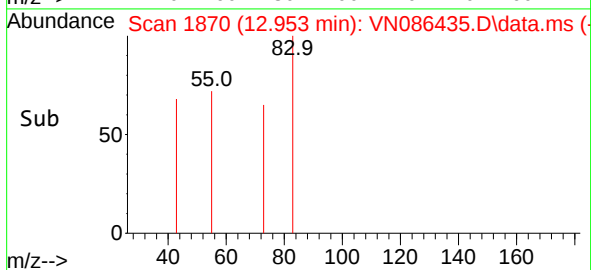
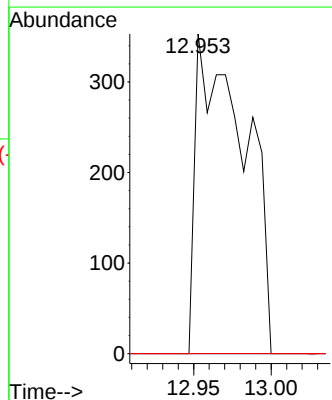
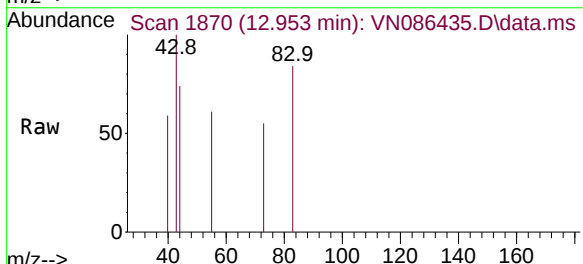
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#05

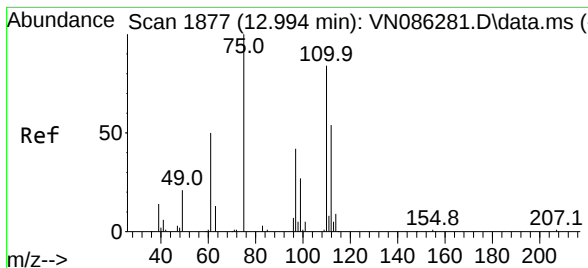
Tgt Ion:	43	Resp:	9164
Ion	Ratio	Lower	Upper
43	100		
70	0.0	35.0	52.4#
55	7.3	19.0	28.4#
61	0.0	19.8	29.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.283 ug/l
RT: 12.953 min Scan# 1870
Delta R.T. 0.018 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

Tgt Ion:	83	Resp:	770
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.1#
85	0.0	32.7	98.1#

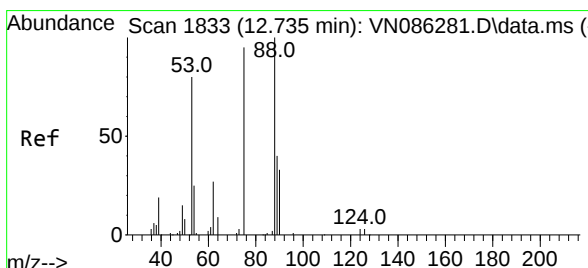
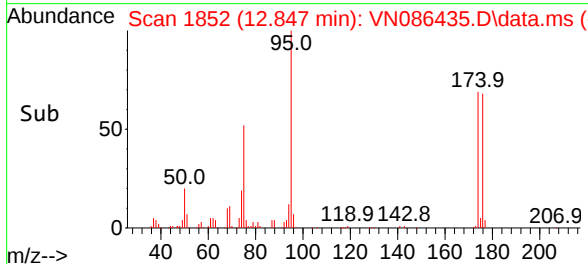
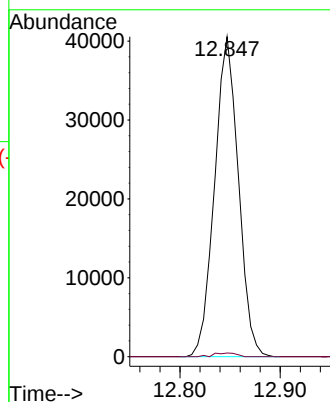
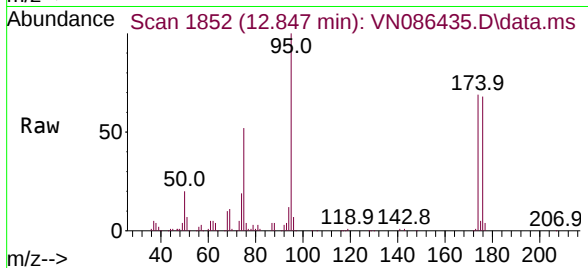




#76
1,2,3-Trichloropropane
Concen: 24.489 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#05

Tgt Ion: 75 Resp: 66821
Ion Ratio Lower Upper
75 100
77 1.1 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.814 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086435.D
Acq: 30 Apr 2025 14:39

Tgt Ion: 75 Resp: 66821
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

