

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043025\
 Data File : VN086448.D
 Acq On : 30 Apr 2025 19:55
 Operator : JC\MD
 Sample : PB167804TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167804TB

Quant Time: May 01 01:37:25 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

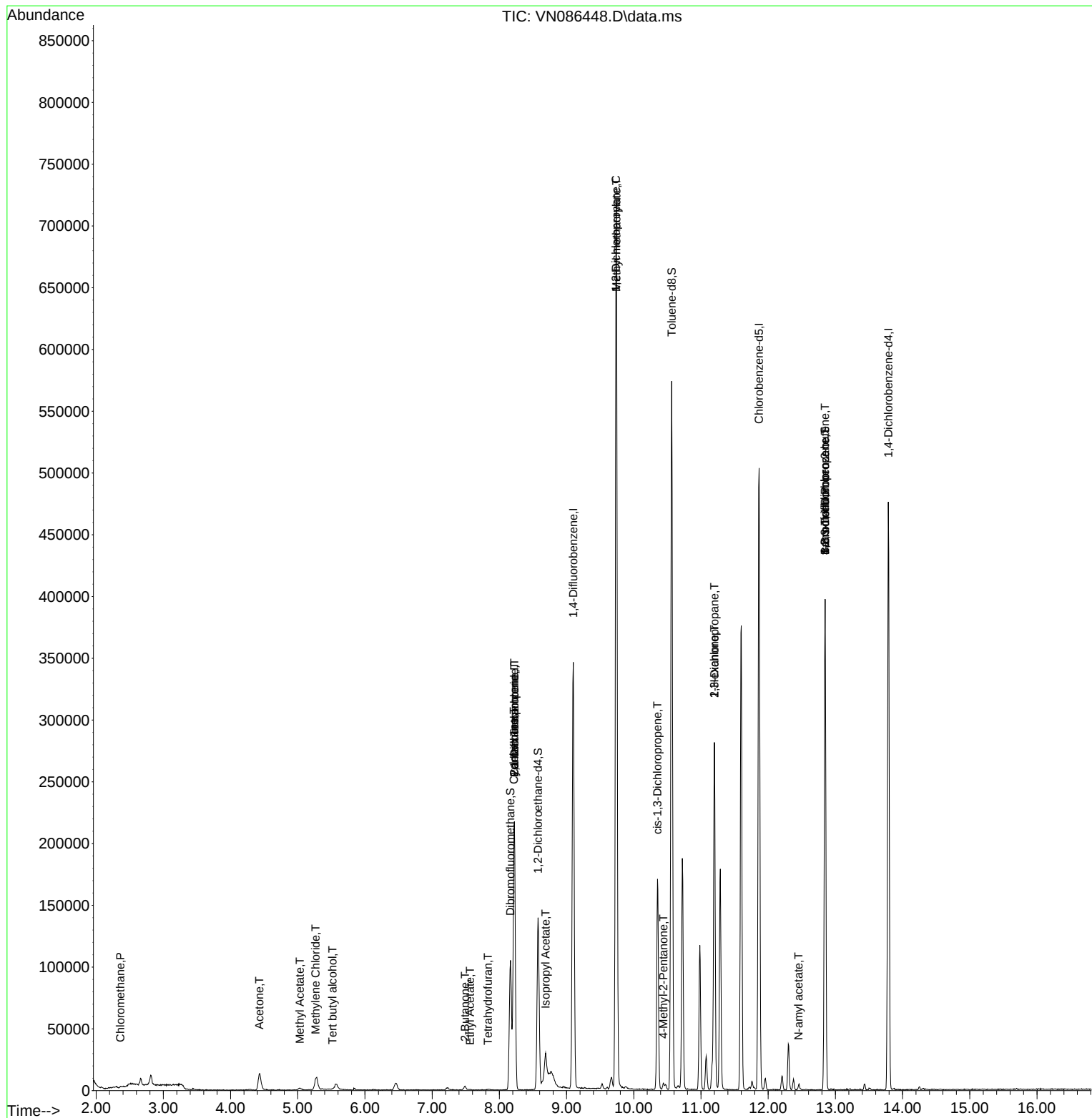
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	160531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113761	48.870	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.740%
35) Dibromofluoromethane	8.165	113	77572	54.951	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.900%
50) Toluene-d8	10.565	98	391211	51.854	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.700%
62) 4-Bromofluorobenzene	12.847	95	139040	50.527	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	554	0.200	ug/l	97
11) Tert butyl alcohol	5.518	59	399	0.939	ug/l #	72
16) Acetone	4.430	43	26503	27.859	ug/l	99
18) Methyl Acetate	5.030	43	3351	1.199	ug/l #	89
20) Methylene Chloride	5.265	84	8200	3.810	ug/l #	81
25) 2-Butanone	7.488	43	5638	3.891	ug/l	99
29) Tetrahydrofuran	7.830	42	659	0.680	ug/l #	32
31) Cyclohexane	8.218	56	3671	0.973	ug/l #	11
36) 1,1-Dichloropropene	8.224	75	13117	4.652	ug/l #	49
37) Ethyl Acetate	7.565	43	737	0.248	ug/l #	68
38) Carbon Tetrachloride	8.224	117	15824	5.893	ug/l #	16
43) Isopropyl Acetate	8.688	43	49978	7.656	ug/l #	72
45) 1,2-Dichloropropane	9.735	63	734	0.332	ug/l #	43
48) Methyl methacrylate	9.741	41	64694	24.818	ug/l #	43
51) 4-Methyl-2-Pentanone	10.441	43	2971	0.977	ug/l	96
54) cis-1,3-Dichloropropene	10.353	75	32147	8.616	ug/l #	59
57) 1,3-Dichloropropane	11.200	76	2873	0.798	ug/l #	43
59) 2-Hexanone	11.200	43	56035	24.854	ug/l #	44
71) Bromoform	12.847	173	820	0.504	ug/l #	1
74) N-amyl acetate	12.453	43	4101	0.784	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	72319	23.860	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72319	57.304	ug/l #	10

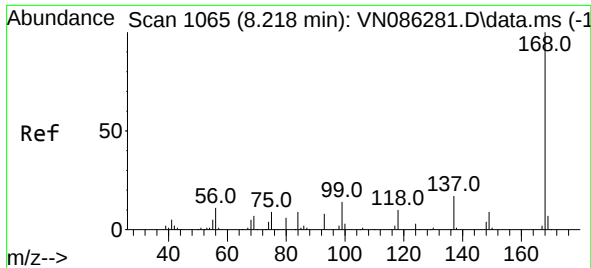
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

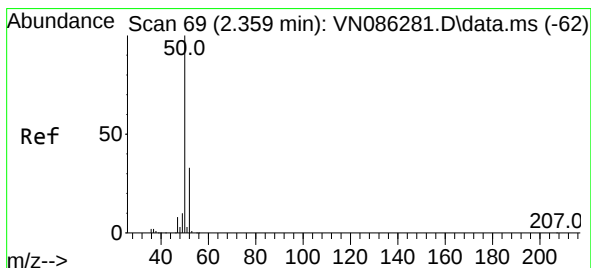
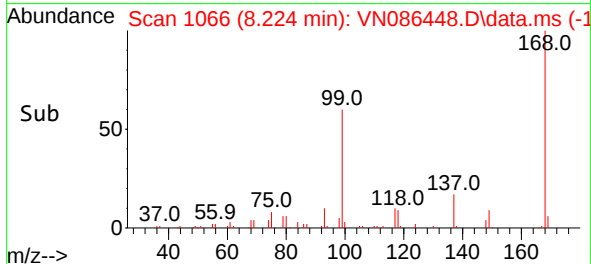
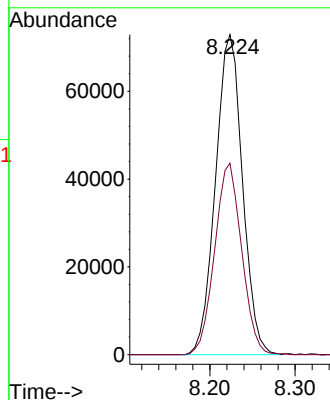
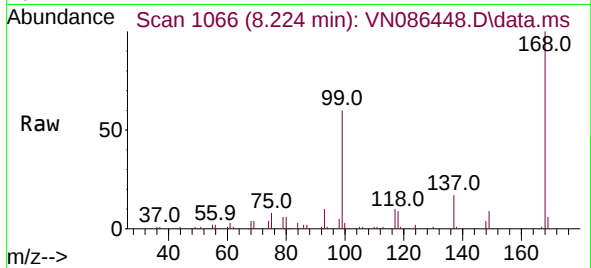




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

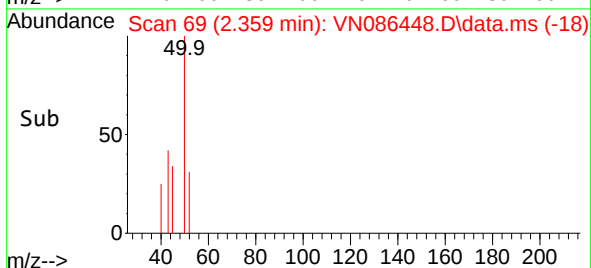
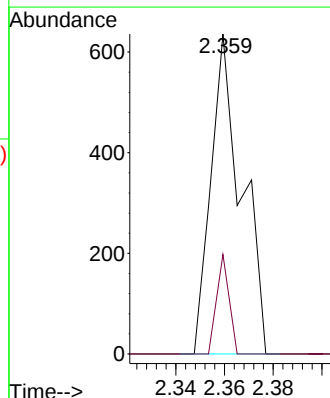
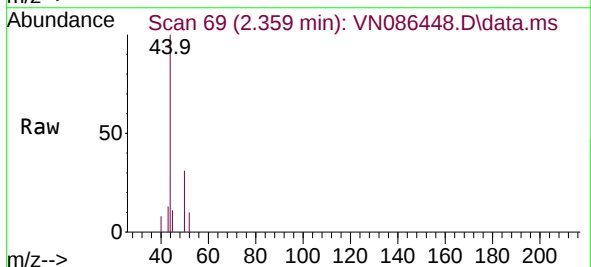
Instrument :
MSVOA_N
ClientSampleId :
PB167804TB

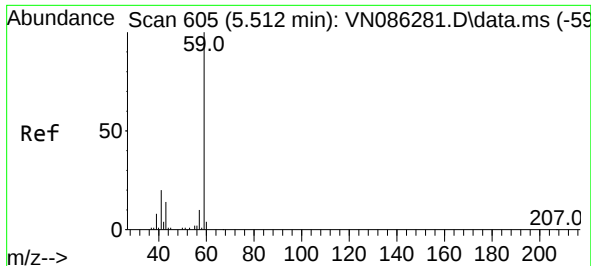
Tgt Ion:168 Resp: 160531
Ion Ratio Lower Upper
168 100
99 59.9 52.5 78.7



#3
Chloromethane
Concen: 0.200 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

Tgt Ion: 50 Resp: 554
Ion Ratio Lower Upper
50 100
52 31.1 26.5 39.7

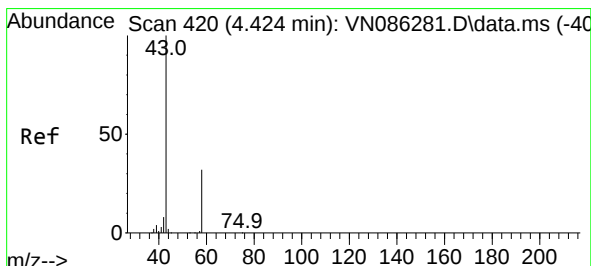
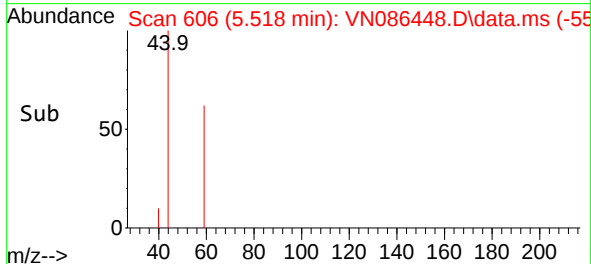
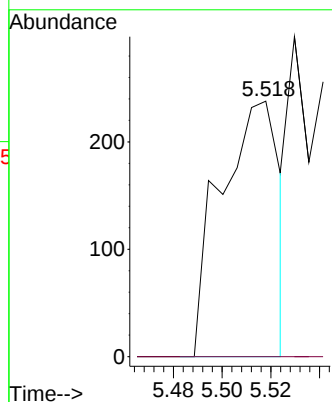
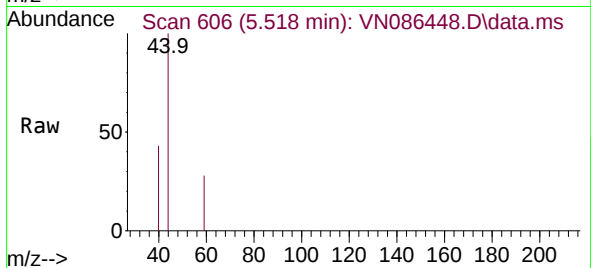




#11
Tert butyl alcohol
Concen: 0.939 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

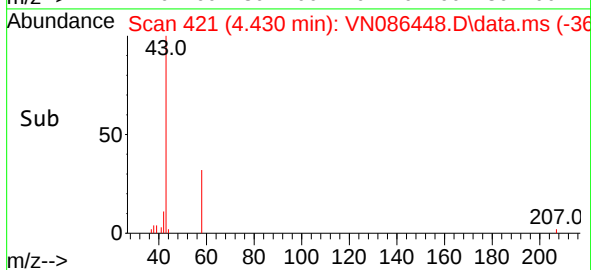
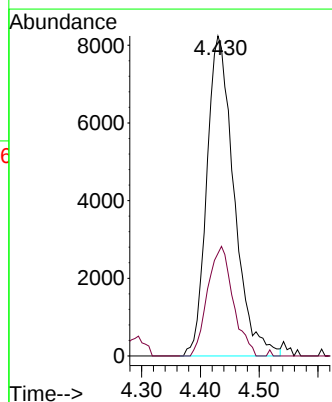
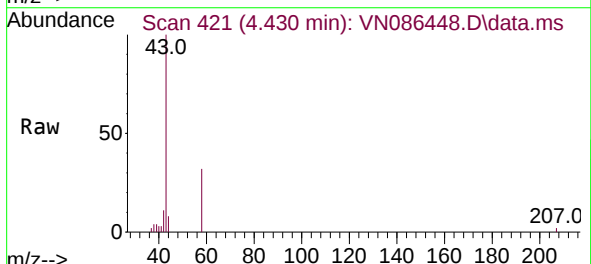
Instrument :
MSVOA_N
ClientSampleId :
PB167804TB

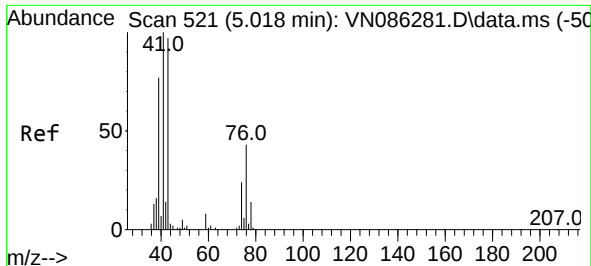
Tgt Ion: 59 Resp: 399
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 27.859 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

Tgt Ion: 43 Resp: 26503
Ion Ratio Lower Upper
43 100
58 32.1 25.3 37.9

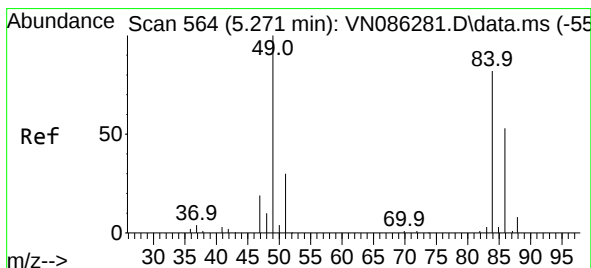
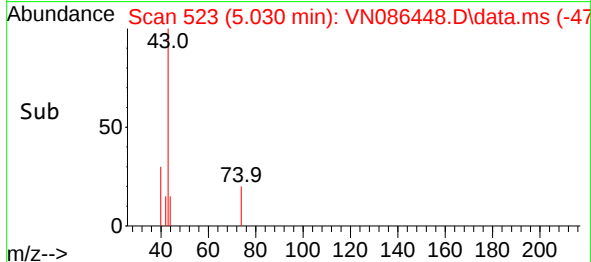
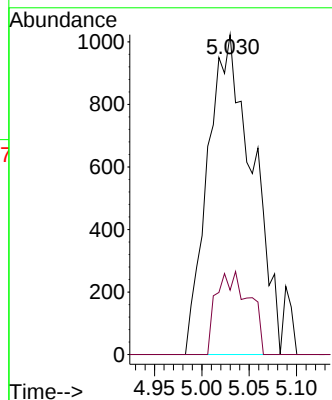
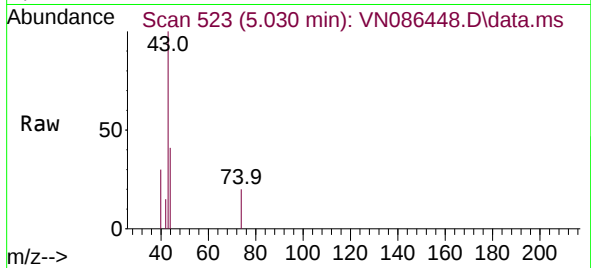




#18
Methyl Acetate
Concen: 1.199 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

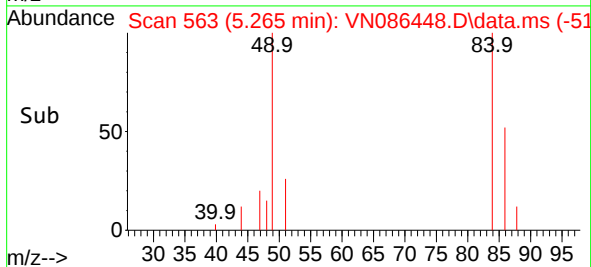
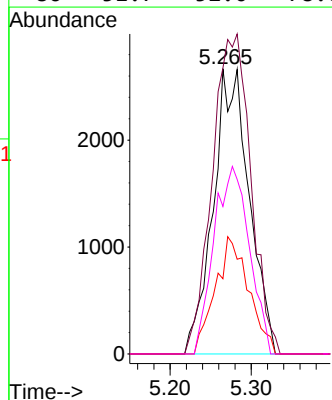
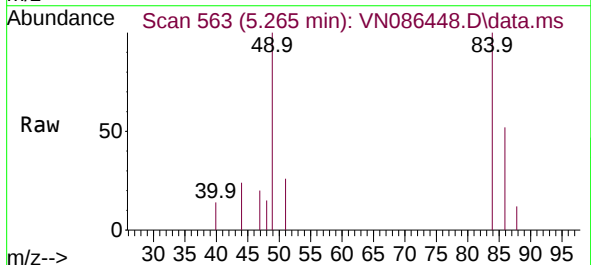
Instrument :
MSVOA_N
ClientSampleId :
PB167804TB

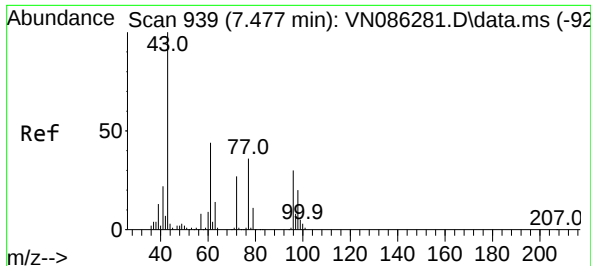
Tgt Ion: 43 Resp: 3351
Ion Ratio Lower Upper
43 100
74 19.2 19.8 29.6#



#20
Methylene Chloride
Concen: 3.810 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

Tgt Ion: 84 Resp: 8200
Ion Ratio Lower Upper
84 100
49 100.2 98.2 147.2
51 26.3 29.8 44.6#
86 51.7 52.0 78.0#

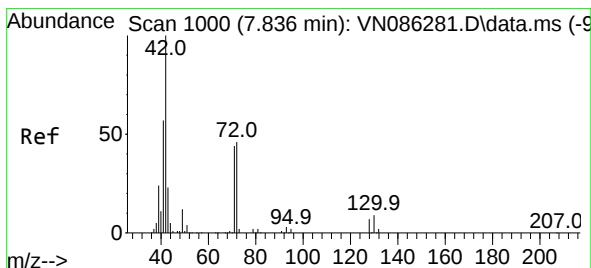
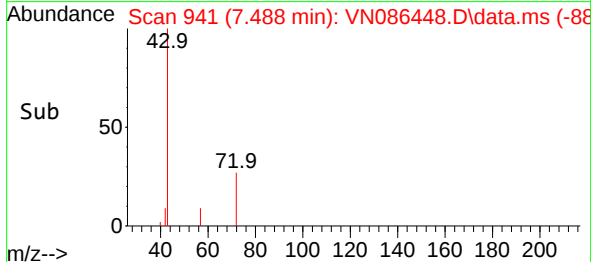
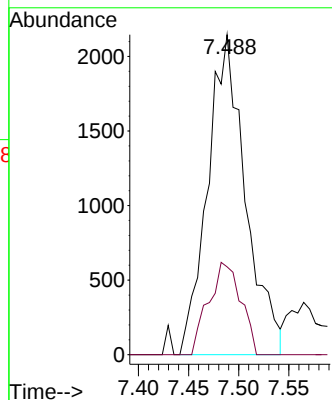
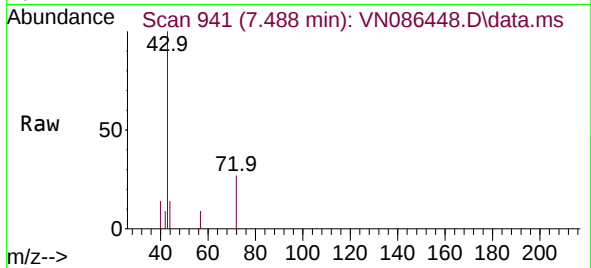




#25
2-Butanone
Concen: 3.891 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

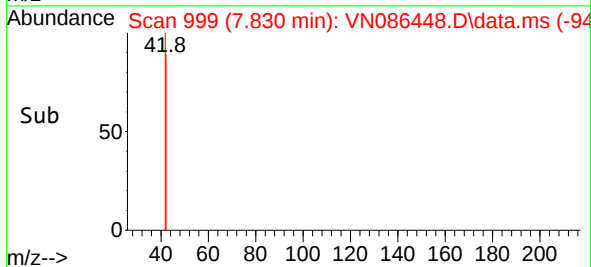
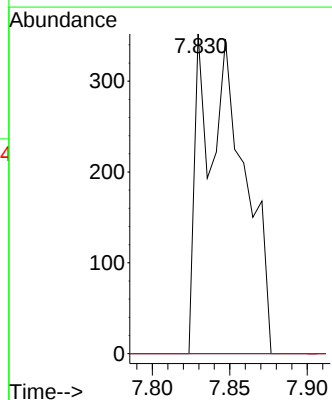
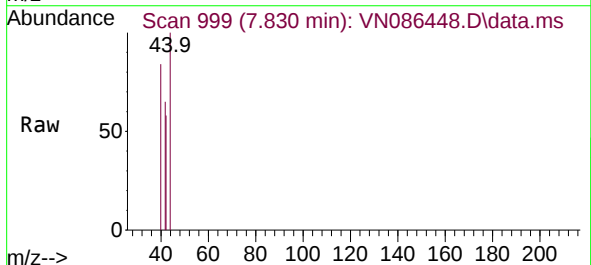
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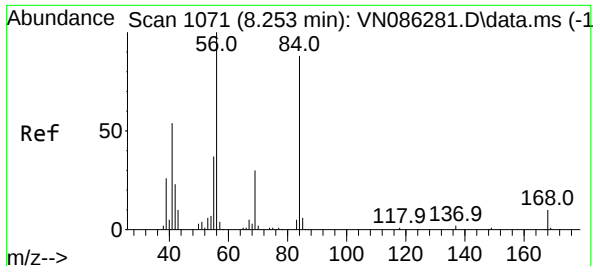
Tgt Ion: 43 Resp: 5638
Ion Ratio Lower Upper
43 100
72 27.4 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.680 ug/l
RT: 7.830 min Scan# 999
Delta R.T. -0.006 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

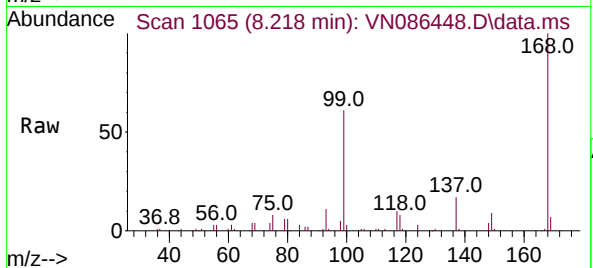
Tgt Ion: 42 Resp: 659
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 0.0 34.0 51.0#



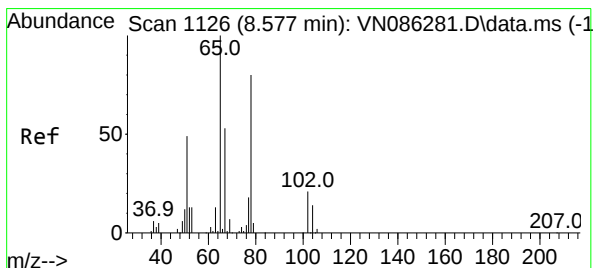
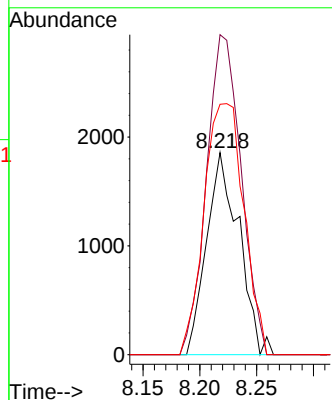
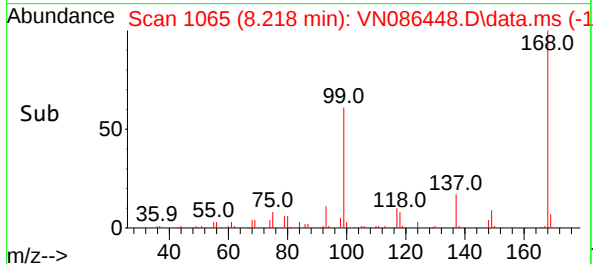


#31
Cyclohexane
Concen: 0.973 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

Instrument :
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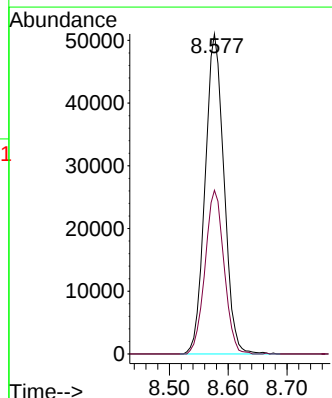
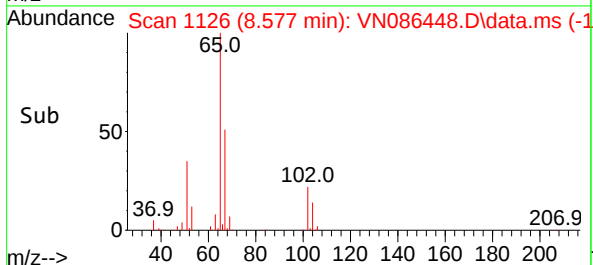
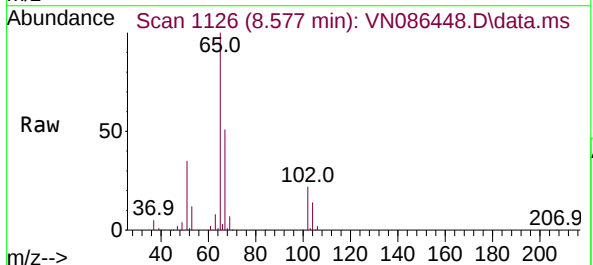


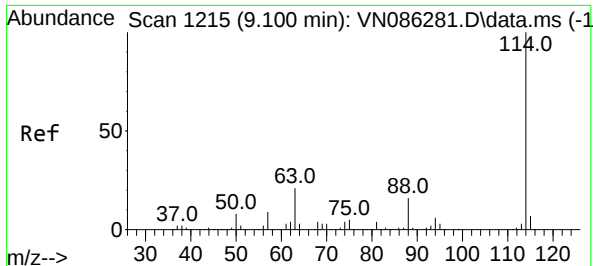
Tgt Ion: 56 Resp: 3671
Ion Ratio Lower Upper
56 100
69 158.3 24.2 36.2#
84 123.8 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 48.870 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

Tgt Ion: 65 Resp: 113761
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.0

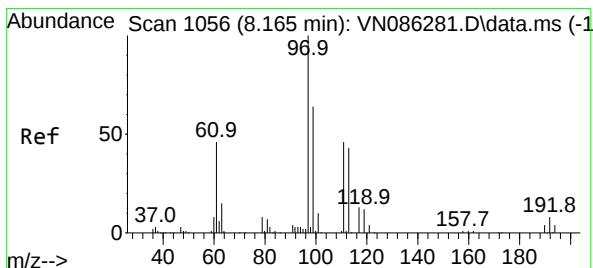
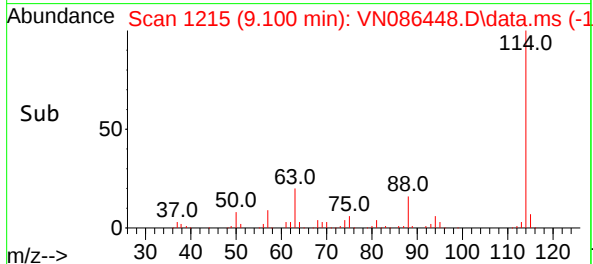
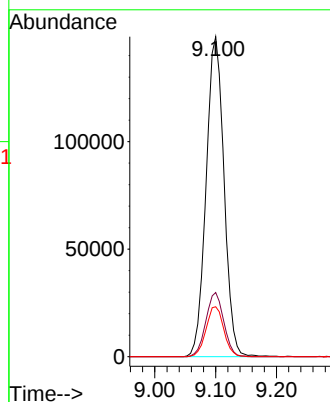
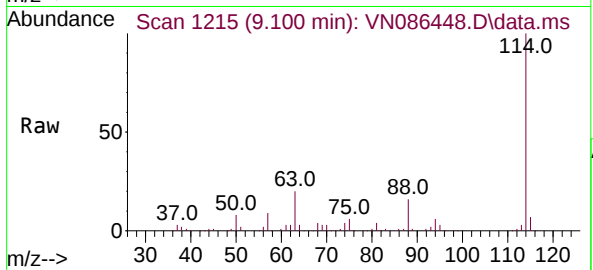




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

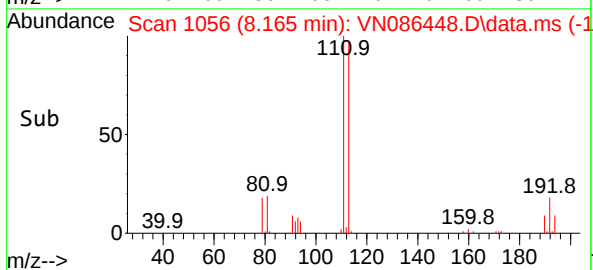
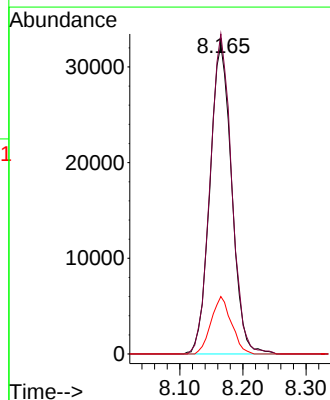
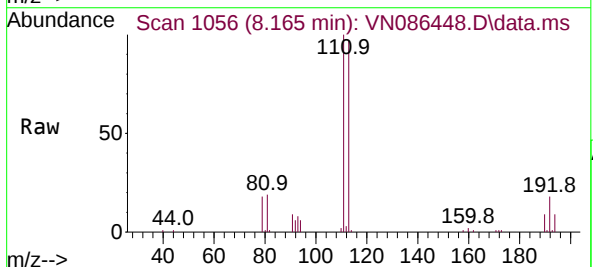
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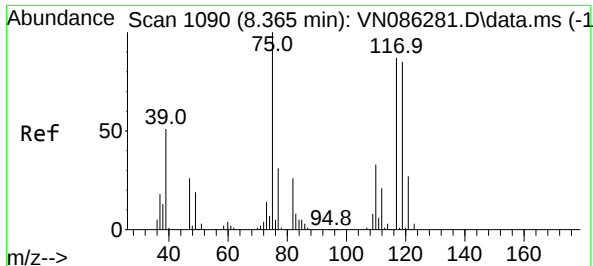
Tgt Ion:114 Resp: 304160
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.6
88 15.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 54.951 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

Tgt Ion:113 Resp: 77572
Ion Ratio Lower Upper
113 100
111 102.1 83.4 125.0
192 17.3 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.652 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN086448.D

Acq: 30 Apr 2025 19:55

Instrument :

MSVOA_N

ClientSampleId :

PB167804TB

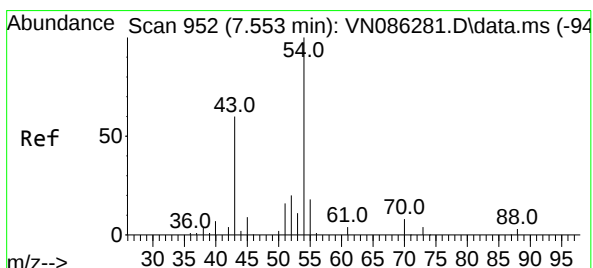
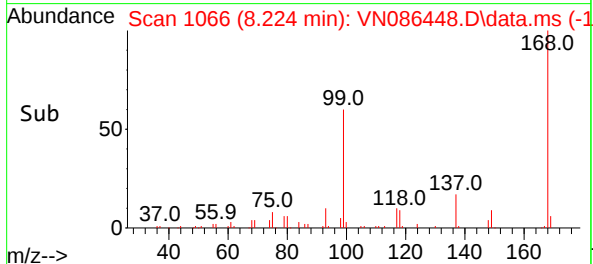
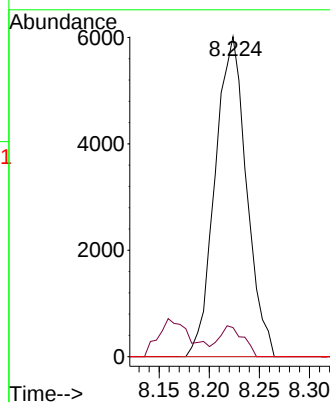
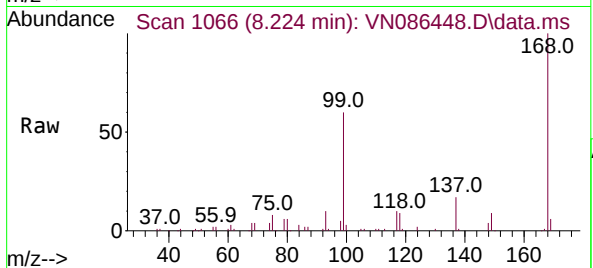
Tgt Ion: 75 Resp: 13117

Ion Ratio Lower Upper

75 100

110 7.4 16.8 50.4#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 0.248 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN086448.D

Acq: 30 Apr 2025 19:55

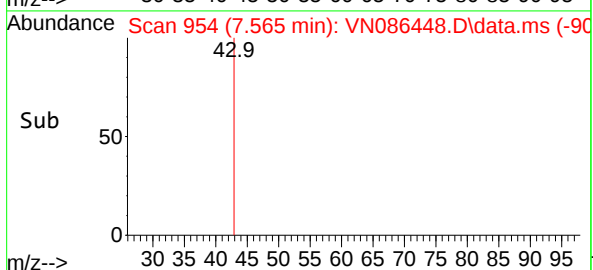
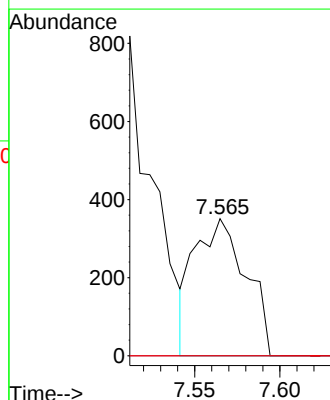
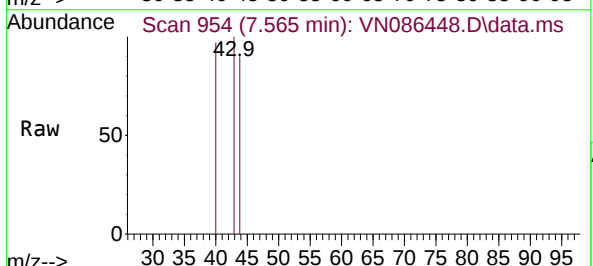
Tgt Ion: 43 Resp: 737

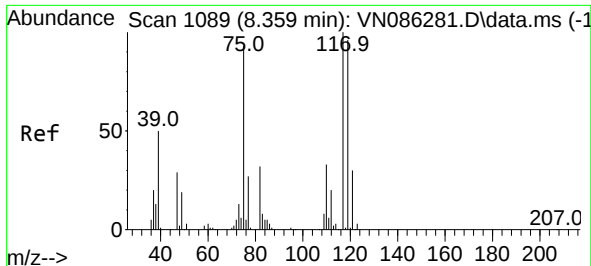
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

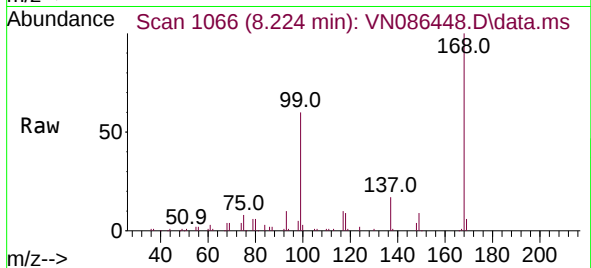
70 0.0 9.2 13.8#



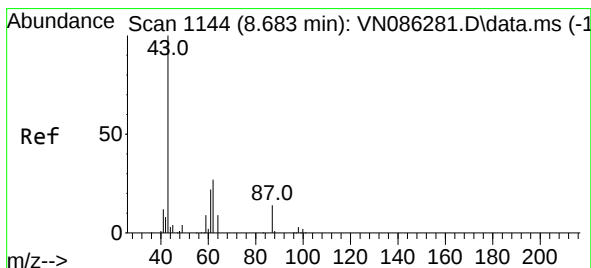
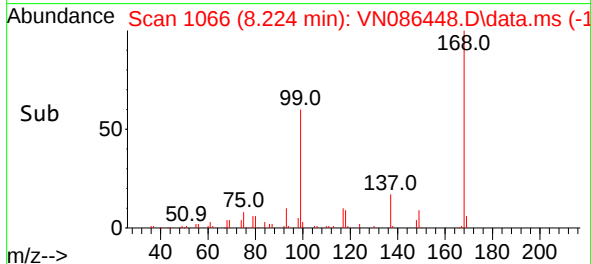
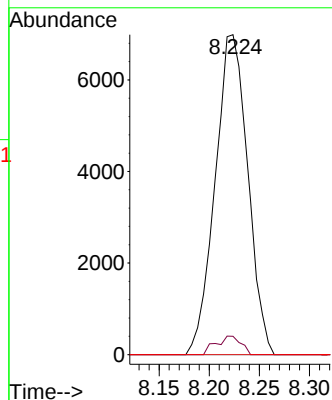


#38
Carbon Tetrachloride
Concen: 5.893 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

Instrument :
MSVOA_N
ClientSampleId :
PB167804TB

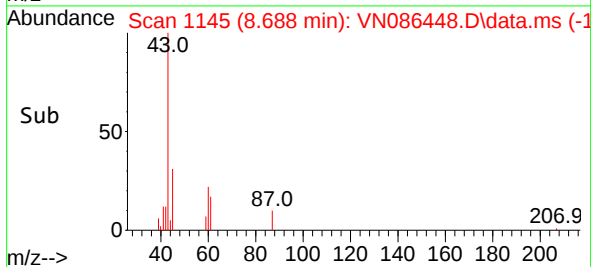
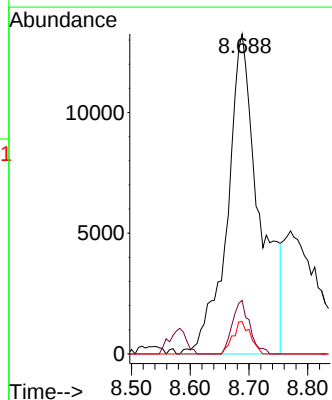
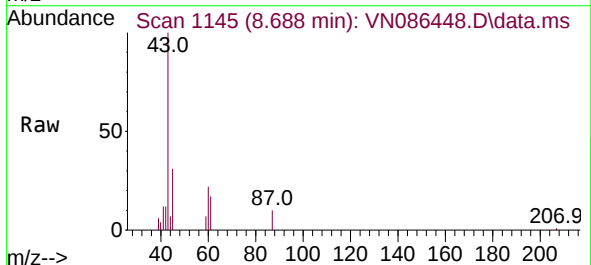


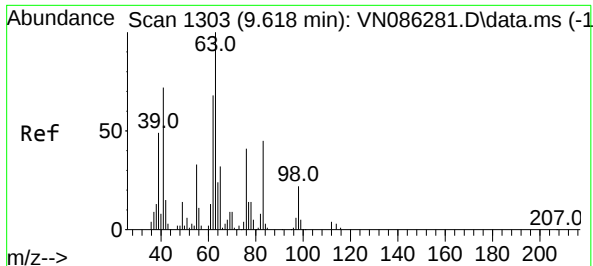
Tgt Ion:117 Resp: 15824
Ion Ratio Lower Upper
117 100
119 5.8 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 7.656 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

Tgt Ion: 43 Resp: 49978
Ion Ratio Lower Upper
43 100
61 9.0 20.5 30.7#
87 5.5 10.5 15.7#





#45

1,2-Dichloropropane

Concen: 0.332 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN086448.D

Acq: 30 Apr 2025 19:55

Instrument :

MSVOA_N

ClientSampleId :

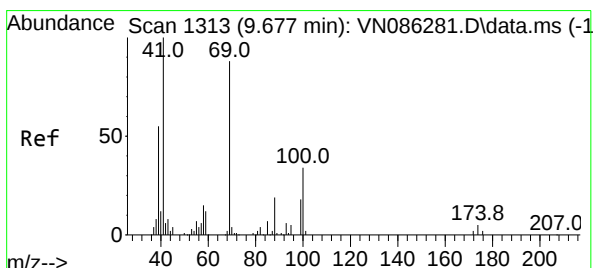
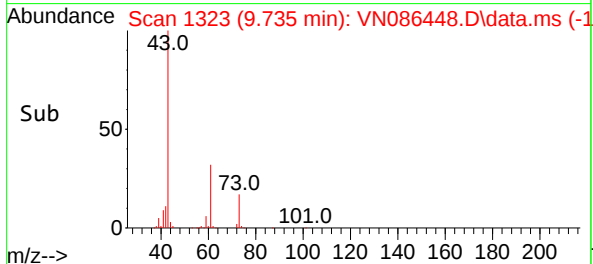
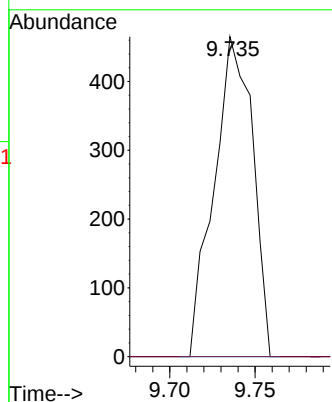
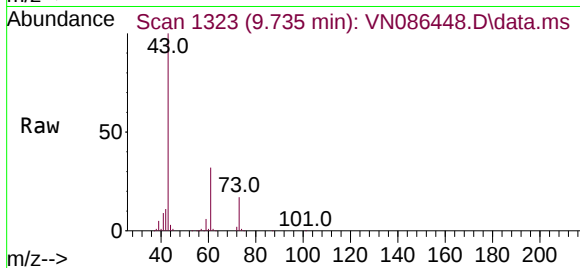
PB167804TB

Tgt Ion: 63 Resp: 734

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 24.818 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN086448.D

Acq: 30 Apr 2025 19:55

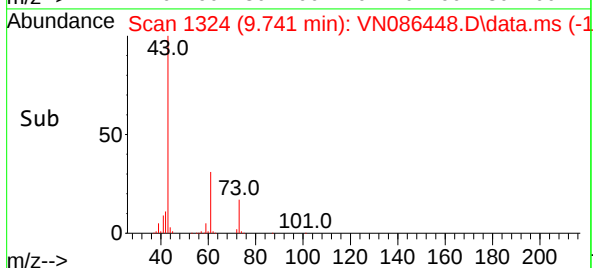
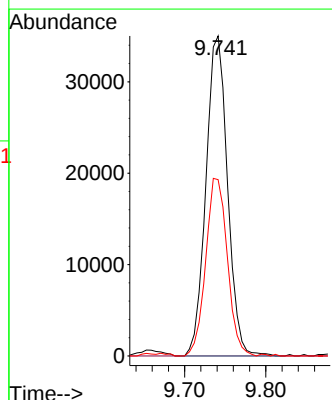
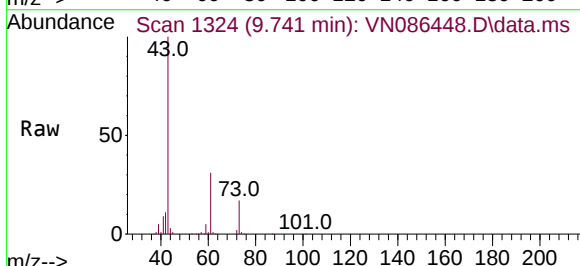
Tgt Ion: 41 Resp: 64694

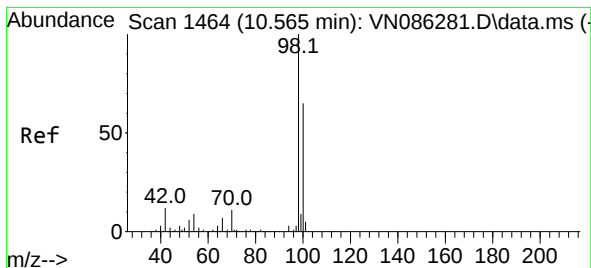
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 55.6 45.2 67.8

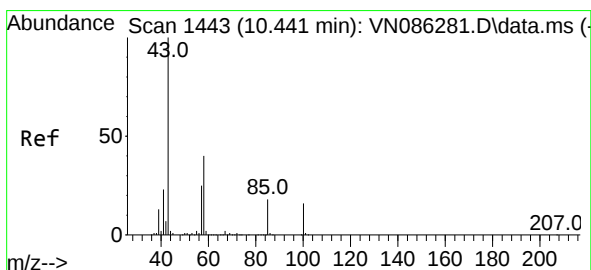
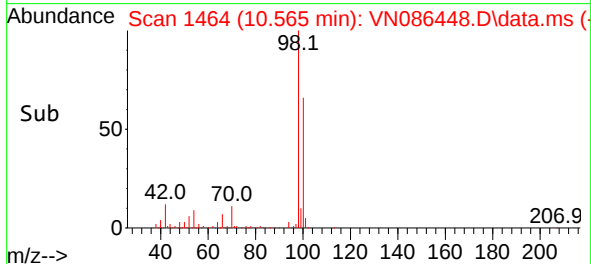
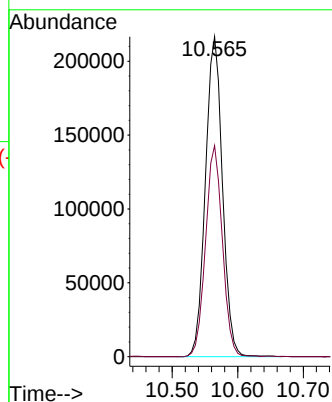
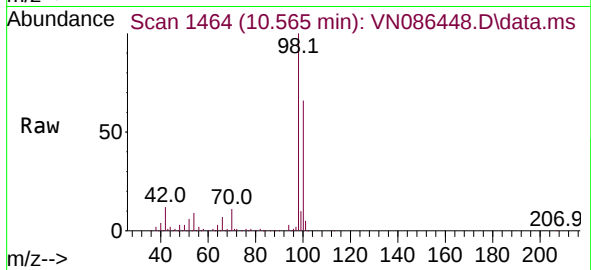




#50
Toluene-d8
Concen: 51.854 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

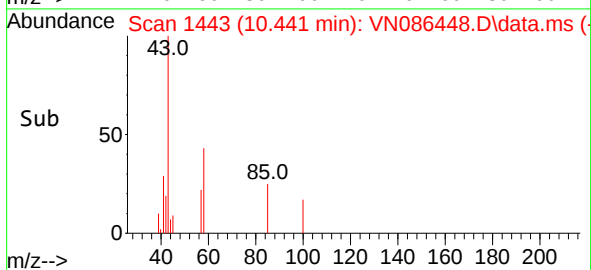
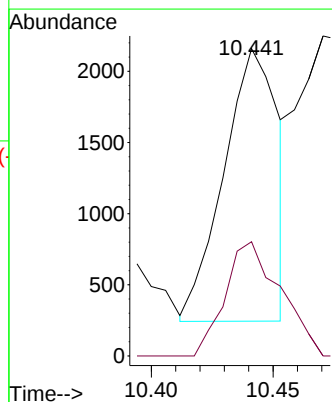
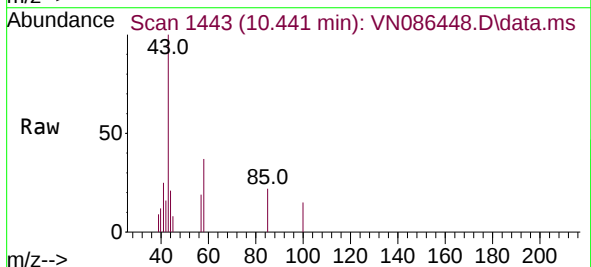
Instrument :
MSVOA_N
ClientSampleId :
PB167804TB

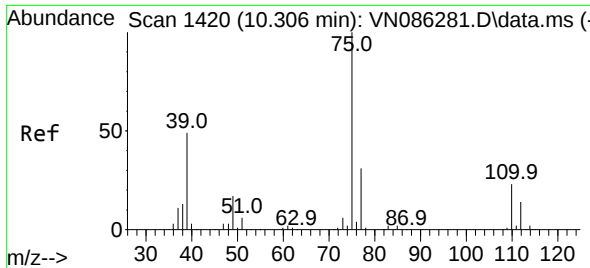
Tgt Ion: 98 Resp: 391211
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.977 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

Tgt Ion: 43 Resp: 2971
Ion Ratio Lower Upper
43 100
58 42.7 32.2 48.4

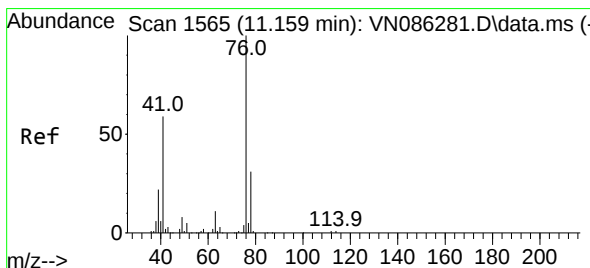
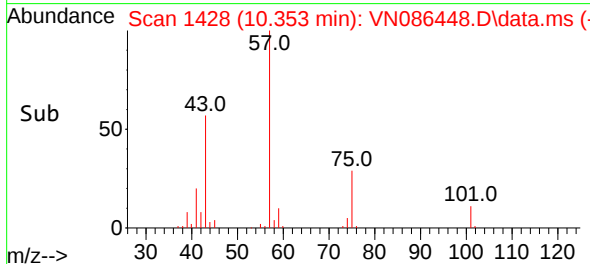
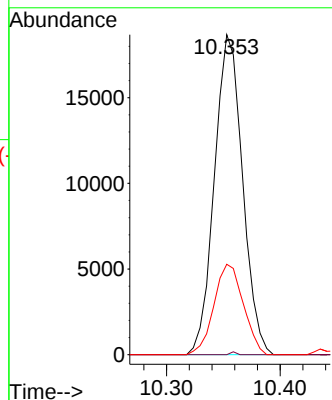
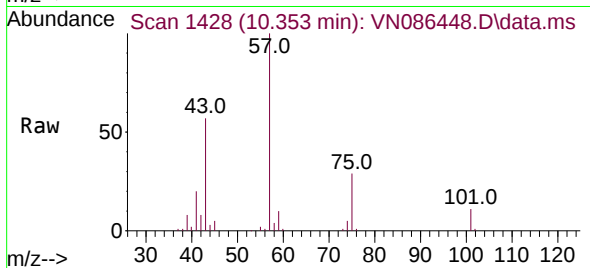




#54
 cis-1,3-Dichloropropene
 Concen: 8.616 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN086448.D
 Acq: 30 Apr 2025 19:55

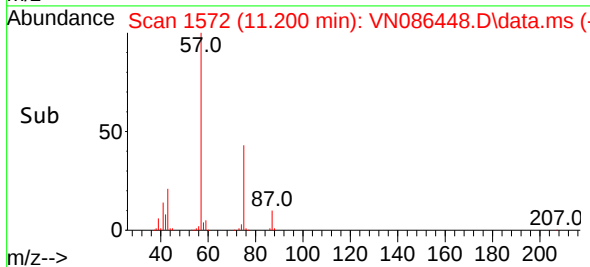
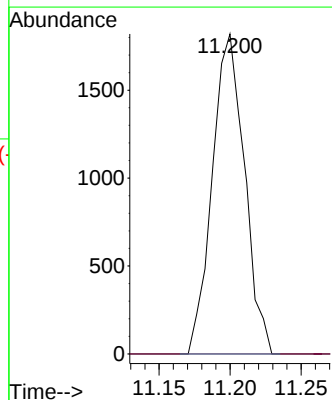
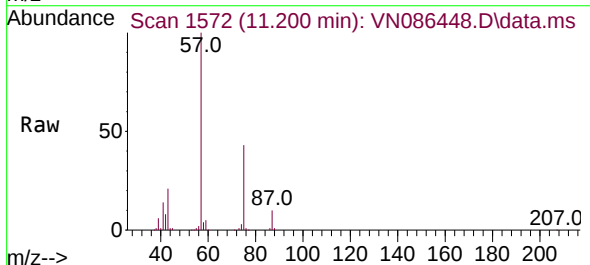
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167804TB

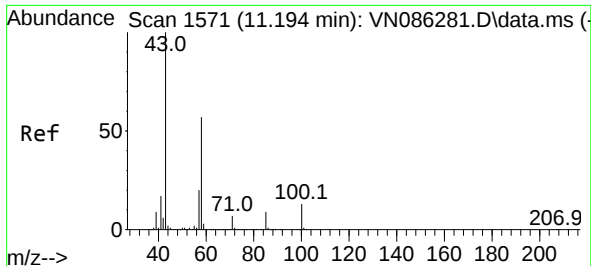
Tgt Ion: 75 Resp: 32147
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 28.3 39.3 58.9#



#57
 1,3-Dichloropropane
 Concen: 0.798 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.041 min
 Lab File: VN086448.D
 Acq: 30 Apr 2025 19:55

Tgt Ion: 76 Resp: 2873
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

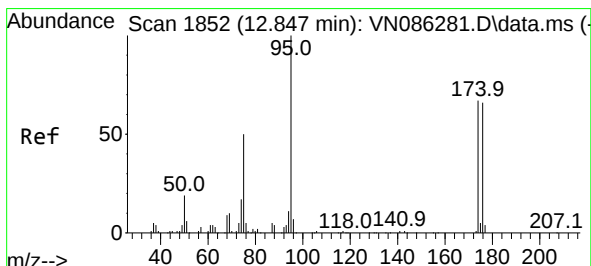
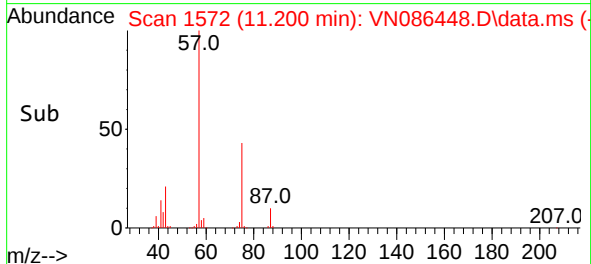
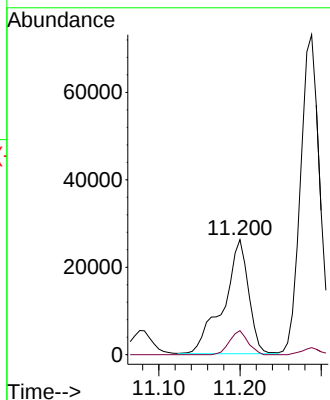
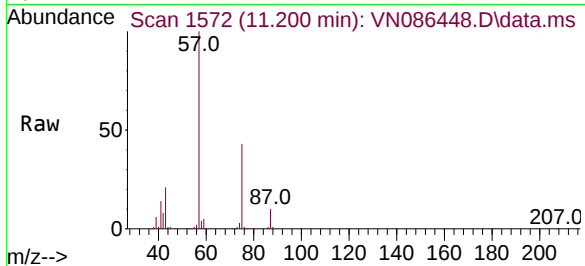




#59
2-Hexanone
Concen: 24.854 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

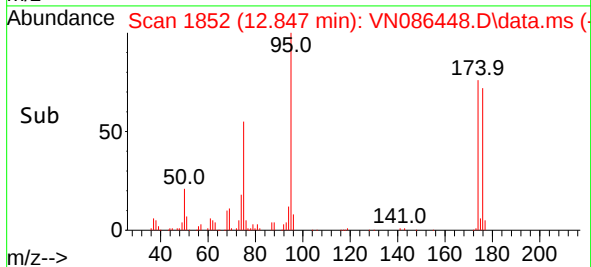
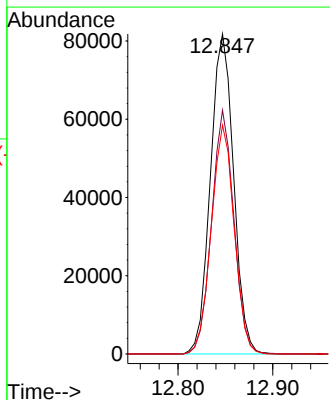
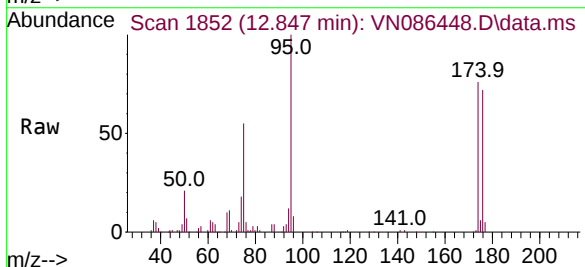
Instrument :
MSVOA_N
ClientSampleId :
PB167804TB

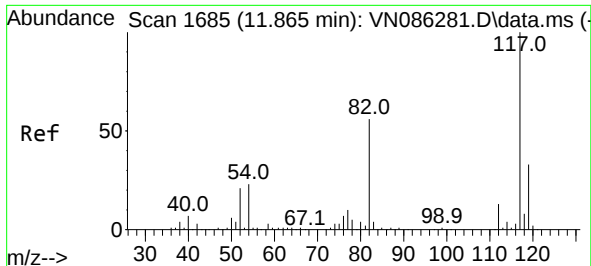
Tgt Ion: 43 Resp: 56035
Ion Ratio Lower Upper
43 100
58 15.4 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 50.527 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

Tgt Ion: 95 Resp: 139040
Ion Ratio Lower Upper
95 100
174 73.1 0.0 133.4
176 70.7 0.0 129.2

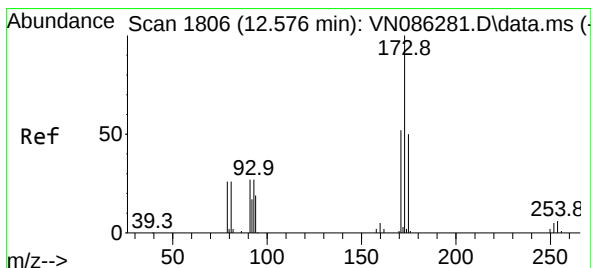
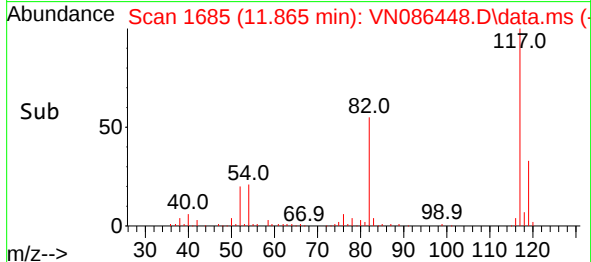
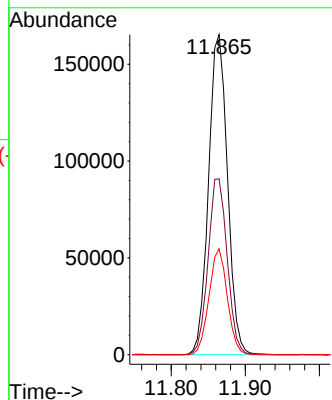
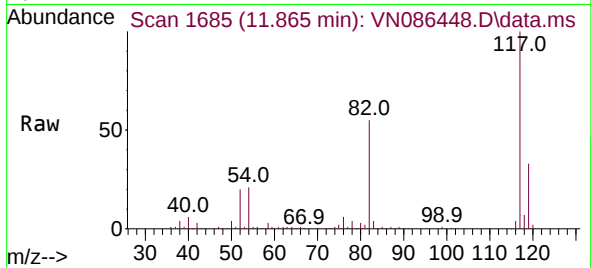




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

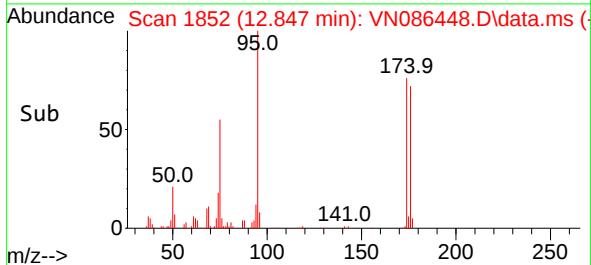
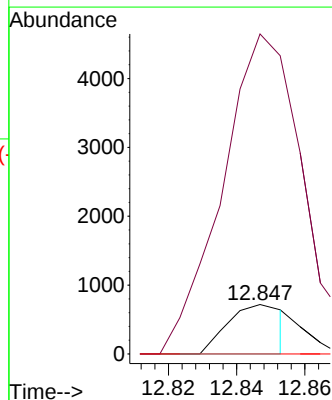
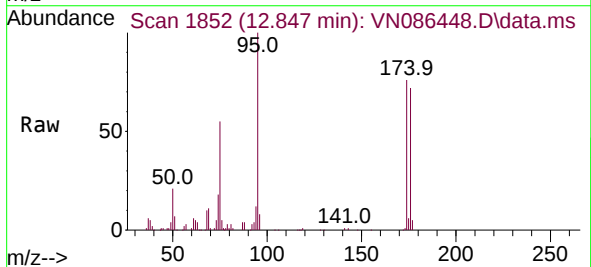
Instrument :
MSVOA_N
ClientSampleId :
PB167804TB

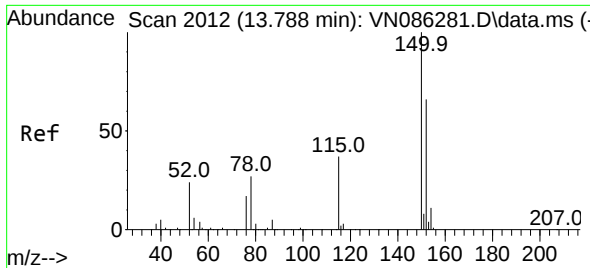
Tgt Ion:117 Resp: 293300
Ion Ratio Lower Upper
117 100
82 55.0 44.7 67.1
119 33.1 26.4 39.6



#71
Bromoform
Concen: 0.504 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

Tgt Ion:173 Resp: 820
Ion Ratio Lower Upper
173 100
175 723.5 24.6 73.6#
254 0.0 0.0 0.0

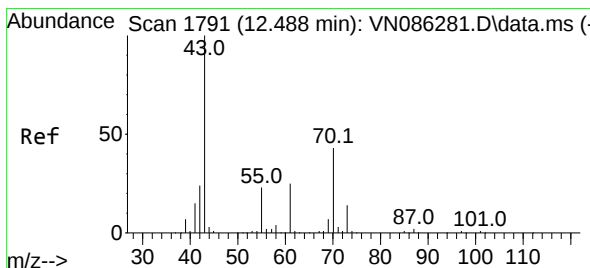
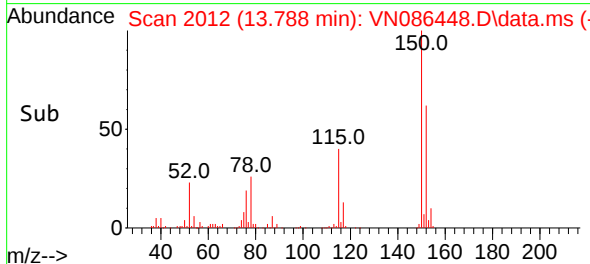
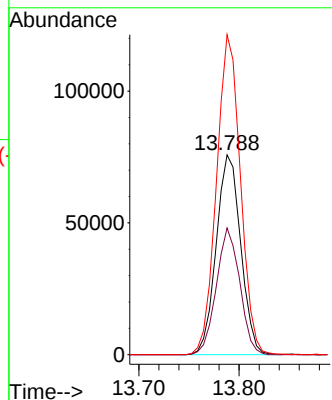
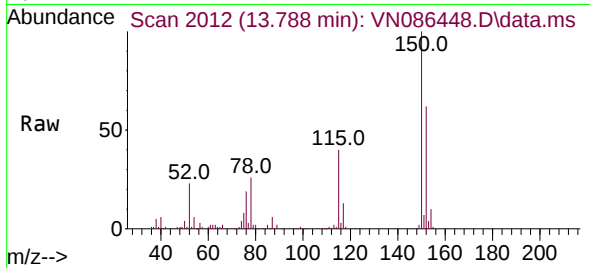




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN086448.D
 Acq: 30 Apr 2025 19:55

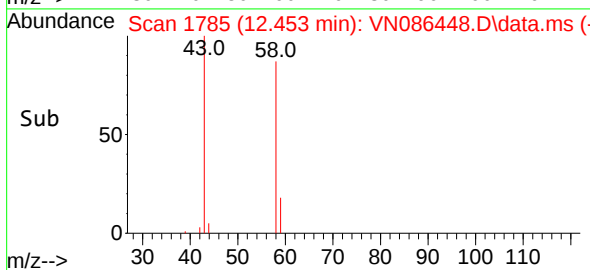
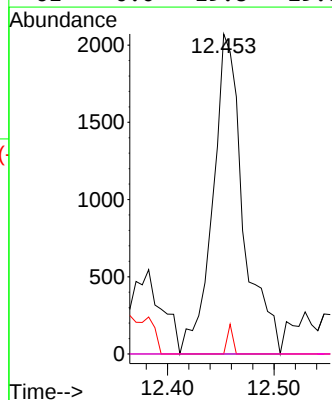
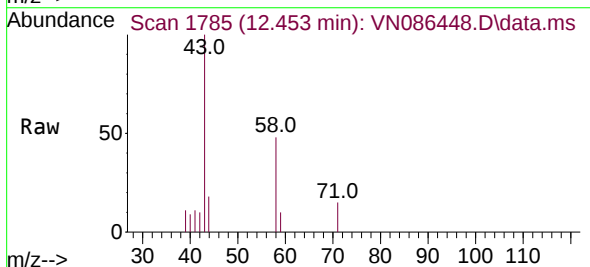
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167804TB

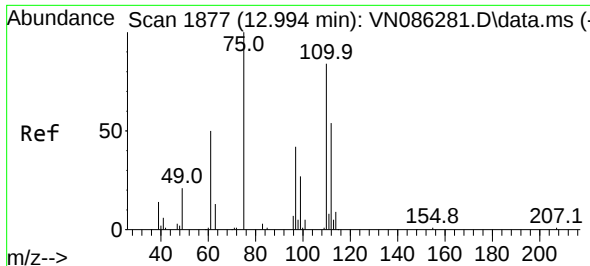
Tgt Ion:152 Resp: 128437
 Ion Ratio Lower Upper
 152 100
 115 60.5 31.9 95.9
 150 156.4 0.0 352.0



#74
 N-ethyl acetate
 Concen: 0.784 ug/l
 RT: 12.453 min Scan# 1785
 Delta R.T. -0.035 min
 Lab File: VN086448.D
 Acq: 30 Apr 2025 19:55

Tgt Ion: 43 Resp: 4101
 Ion Ratio Lower Upper
 43 100
 70 0.0 35.0 52.4#
 55 1.7 19.0 28.4#
 61 0.0 19.8 29.8#

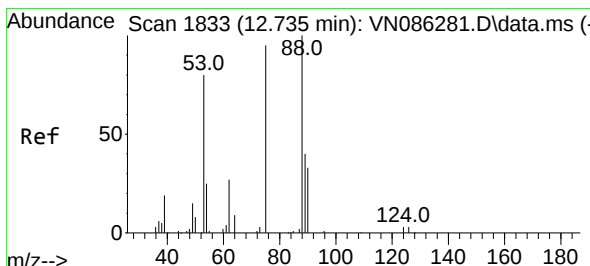
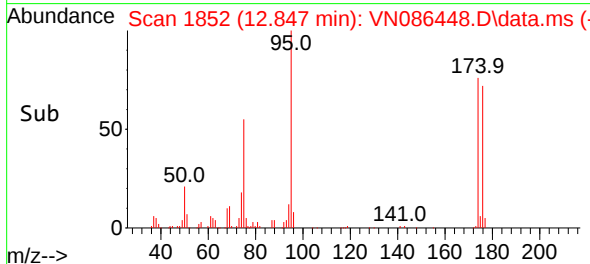
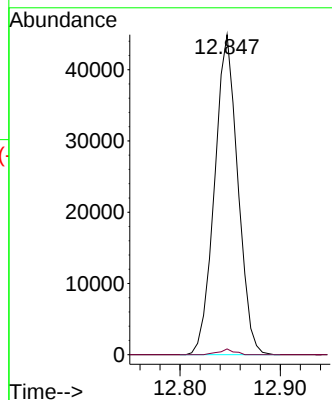
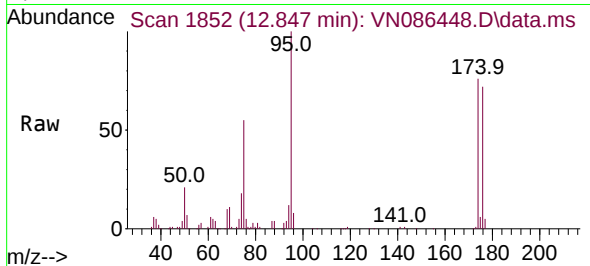




#76
1,2,3-Trichloropropane
Concen: 23.860 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

Instrument :
MSVOA_N
ClientSampleId :
PB167804TB

Tgt Ion: 75 Resp: 72319
Ion Ratio Lower Upper
75 100
77 1.2 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.304 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086448.D
Acq: 30 Apr 2025 19:55

Tgt Ion: 75 Resp: 72319
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

