

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042825\
 Data File : VN086407.D
 Acq On : 28 Apr 2025 13:33
 Operator : JC\MD
 Sample : PB167744ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#04

Quant Time: Apr 29 01:52:14 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)

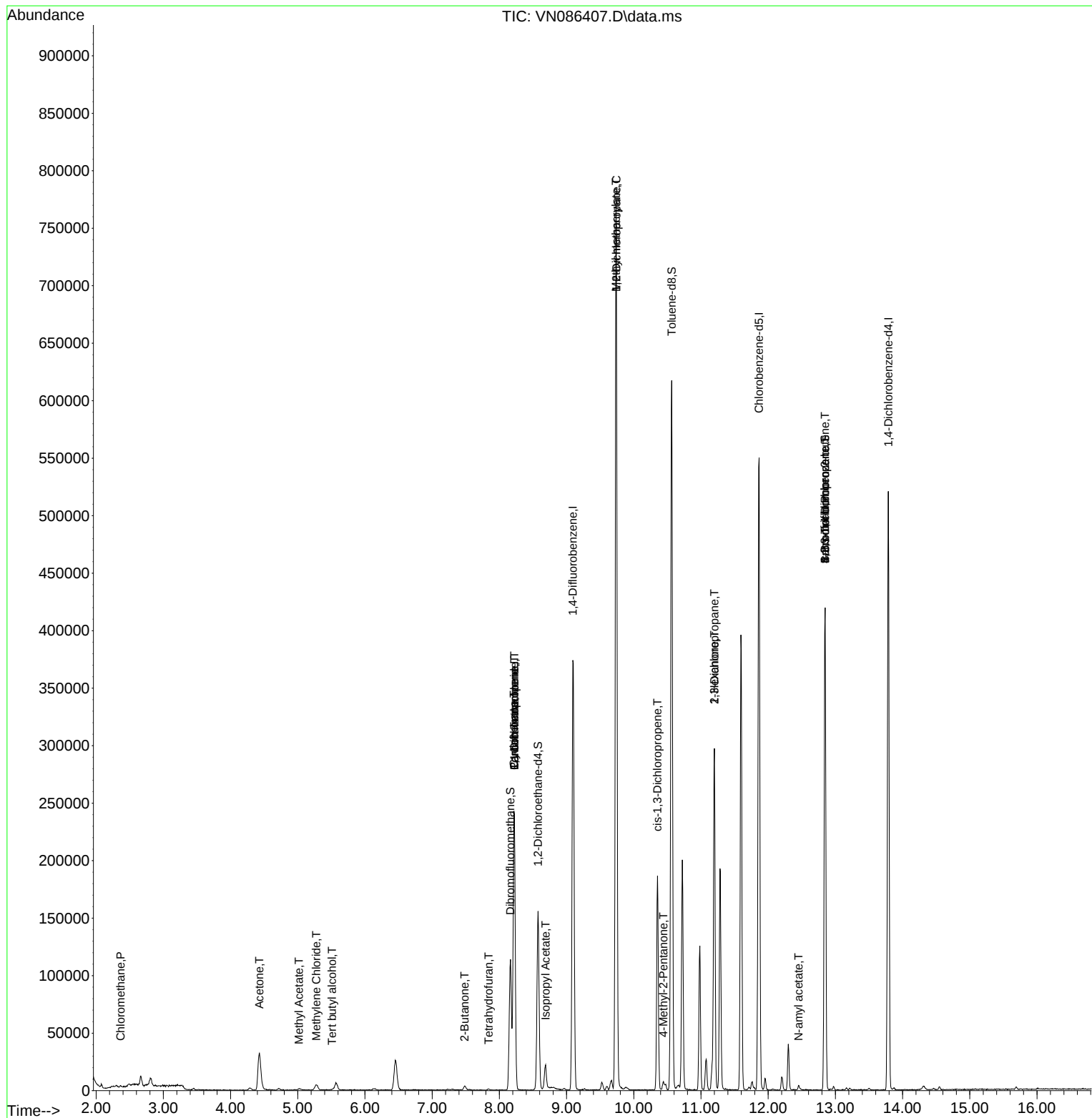
Internal Standards						
1) Pentafluorobenzene	8.224	168	178391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	342039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	324522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	139324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126166	48.772	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.540%
35) Dibromofluoromethane	8.165	113	83710	52.732	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.460%
50) Toluene-d8	10.565	98	432273	50.951	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.900%
62) 4-Bromofluorobenzene	12.847	95	155413	50.222	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.440%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	921	0.300	ug/l #	85
11) Tert butyl alcohol	5.512	59	1068	2.263	ug/l #	72
13) Acrolein	4.200	56	54	Below Cal	#	13
16) Acetone	4.430	43	65673	69.304	ug/l	99
18) Methyl Acetate	5.018	43	2619	0.843	ug/l #	76
20) Methylene Chloride	5.277	84	4012	1.678	ug/l #	87
25) 2-Butanone	7.483	43	6124	3.803	ug/l	99
29) Tetrahydrofuran	7.841	42	715	0.664	ug/l #	51
31) Cyclohexane	8.218	56	4376	1.044	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15139	4.775	ug/l #	49
38) Carbon Tetrachloride	8.224	117	18329	6.070	ug/l #	15
43) Isopropyl Acetate	8.688	43	25904	2.508	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	986	0.397	ug/l #	43
48) Methyl methacrylate	9.735	41	70471	24.040	ug/l #	42
51) 4-Methyl-2-Pentanone	10.441	43	5359	1.568	ug/l	98
54) cis-1,3-Dichloropropene	10.353	75	34377	8.194	ug/l #	60
57) 1,3-Dichloropropane	11.200	76	3118	0.771	ug/l #	43
59) 2-Hexanone	11.200	43	57836	22.812	ug/l #	42
71) Bromoform	12.847	173	903	0.502	ug/l #	1
74) N-amyl acetate	12.453	43	3467	0.611	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	80095	24.361	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80095	58.506	ug/l #	10

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

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Instrument :
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ClientSampleId :
PB167744ZHE#04

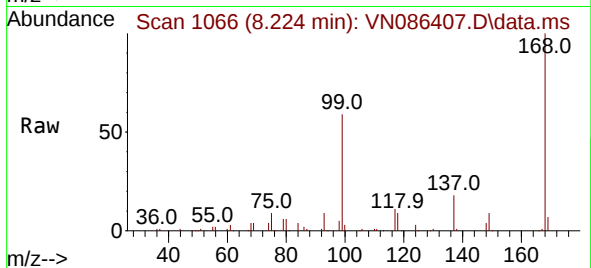
Quant Time: Apr 29 01:52:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



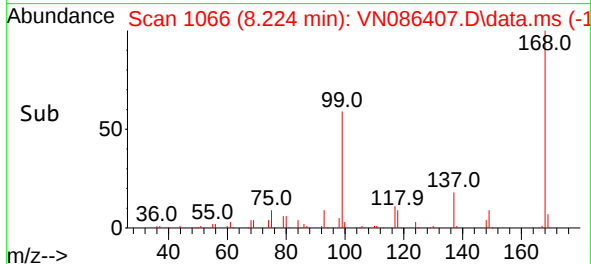
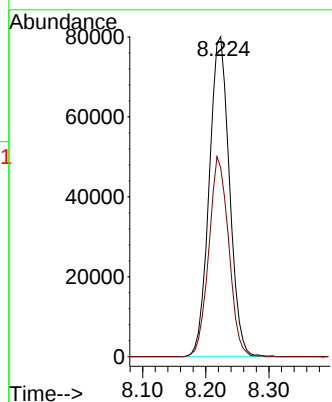


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#04

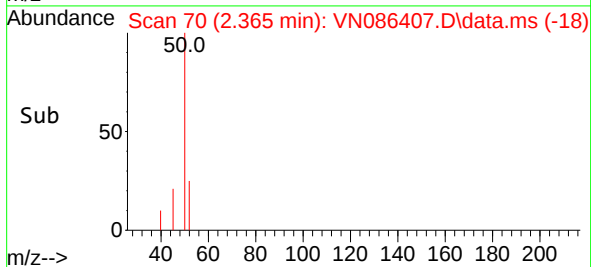
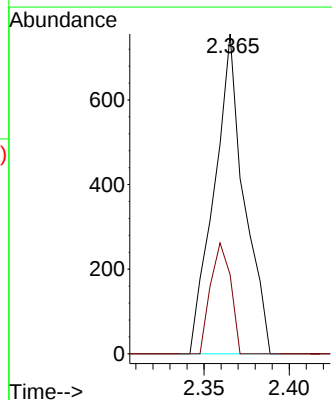
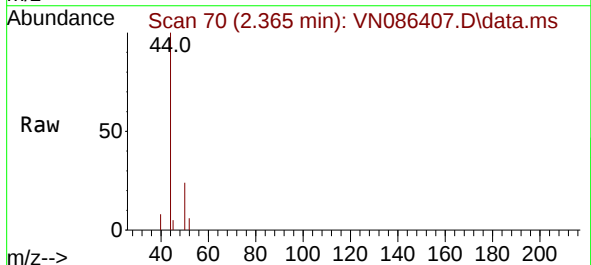


Tgt Ion:168 Resp: 178391
Ion Ratio Lower Upper
168 100
99 59.0 52.5 78.7



#3
Chloromethane
Concen: 0.300 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

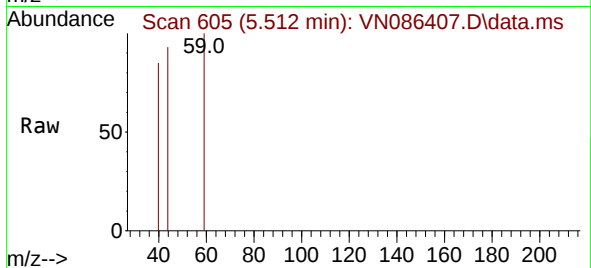
Tgt Ion: 50 Resp: 921
Ion Ratio Lower Upper
50 100
52 24.7 26.5 39.7#



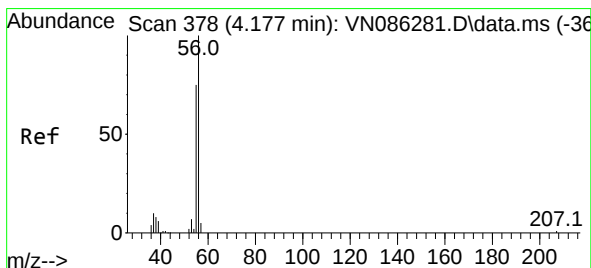
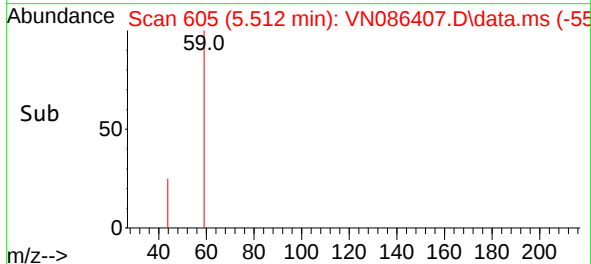
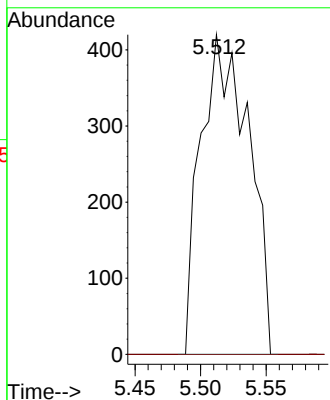


#11
Tert butyl alcohol
Concen: 2.263 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#04

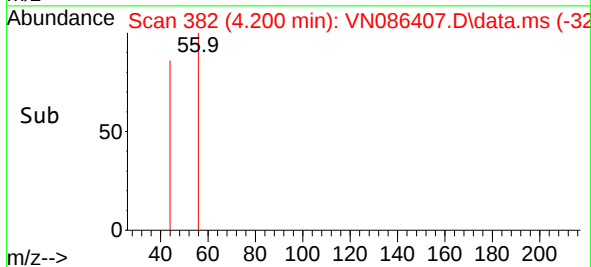
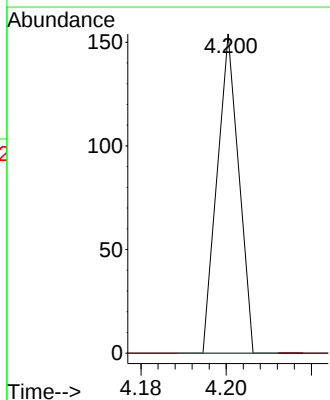
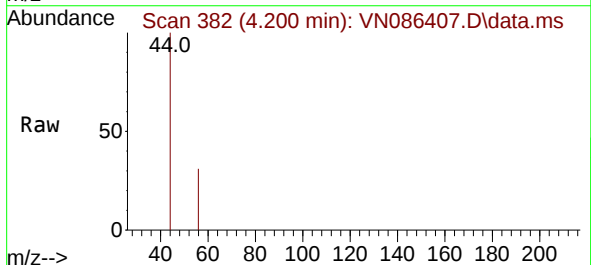


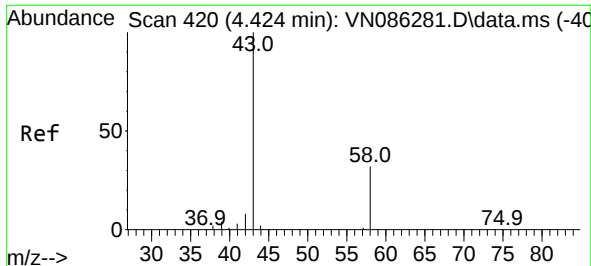
Tgt Ion: 59 Resp: 1068
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 382
Delta R.T. 0.023 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 58.5 87.7#

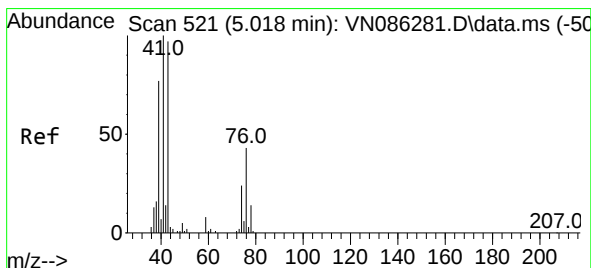
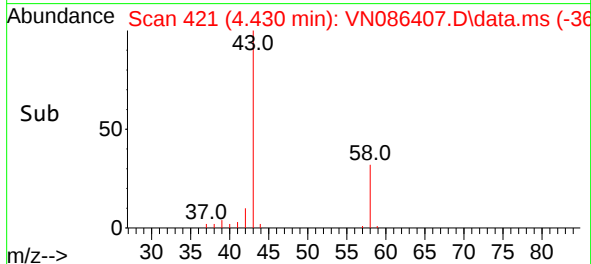
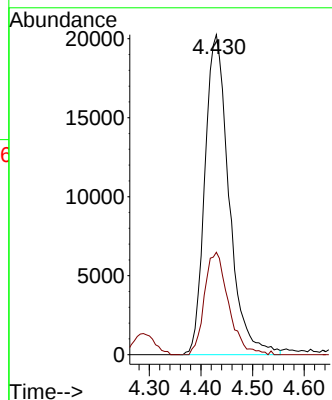
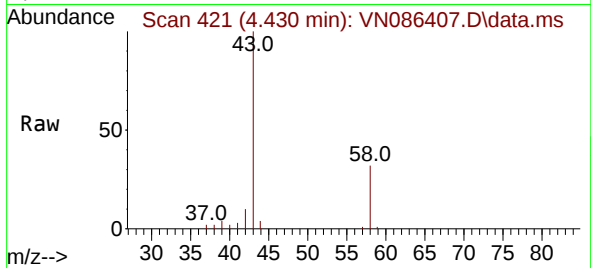




#16
Acetone
Concen: 69.304 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

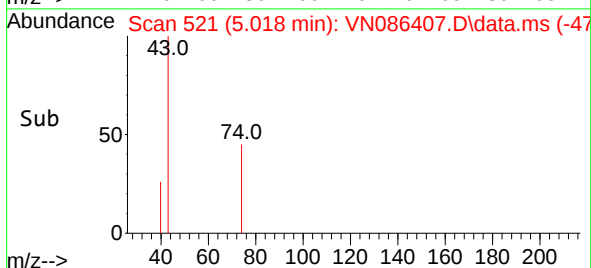
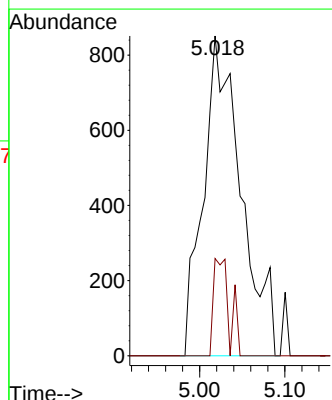
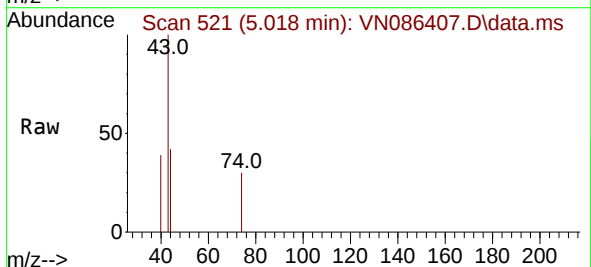
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#04

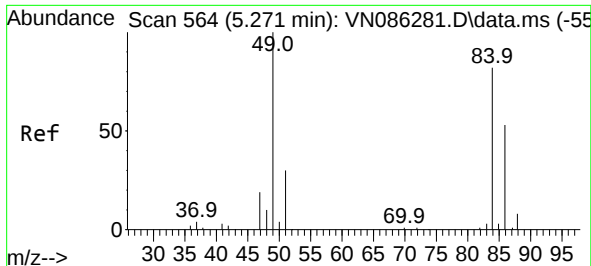
Tgt Ion: 43 Resp: 65673
Ion Ratio Lower Upper
43 100
58 32.0 25.3 37.9



#18
Methyl Acetate
Concen: 0.843 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

Tgt Ion: 43 Resp: 2619
Ion Ratio Lower Upper
43 100
74 12.8 19.8 29.6#

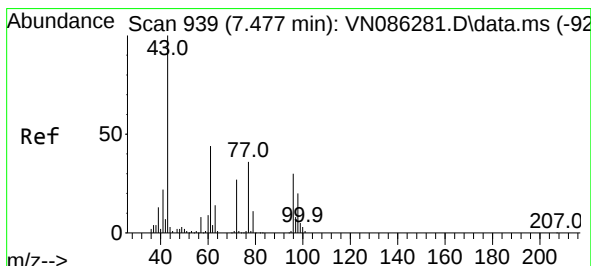
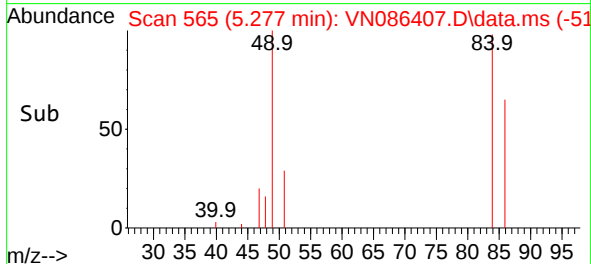
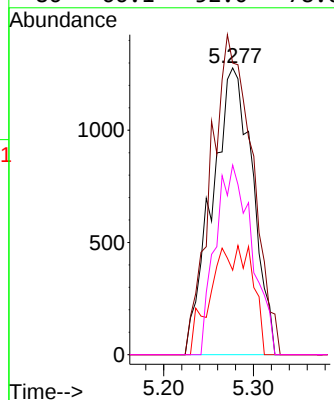
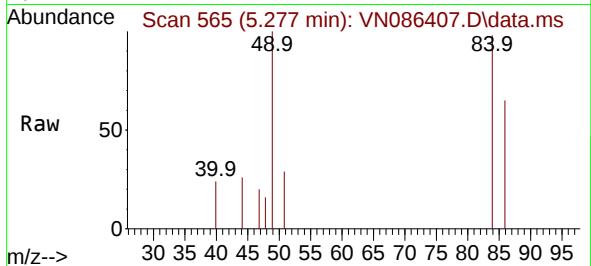




#20
Methylene Chloride
Concen: 1.678 ug/l
RT: 5.277 min Scan# 501
Delta R.T. 0.006 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

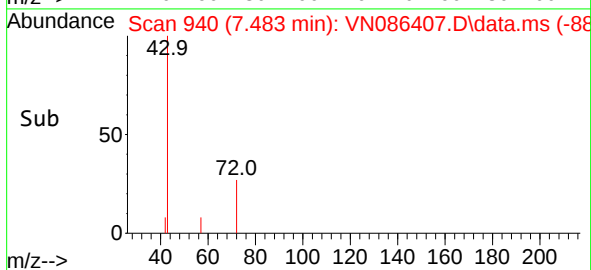
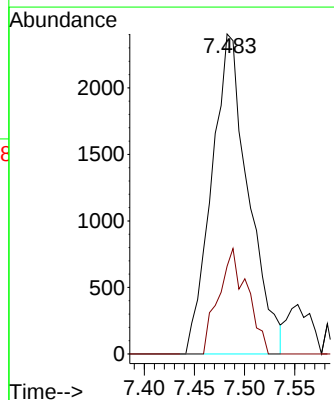
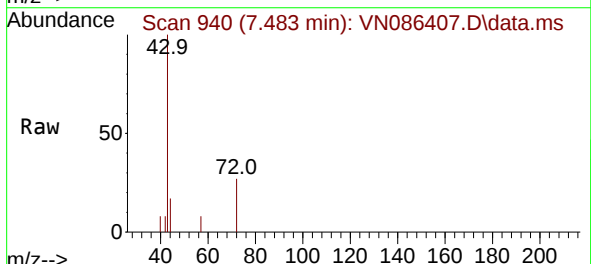
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#04

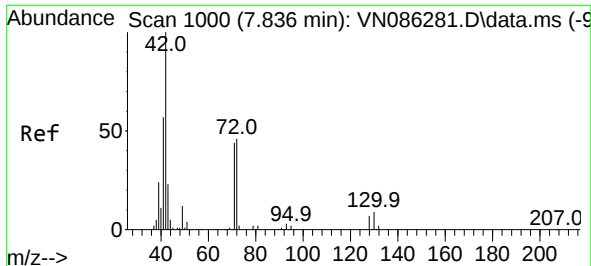
Tgt Ion:	84	Resp:	4012
Ion	Ratio	Lower	Upper
84	100		
49	101.7	98.2	147.2
51	29.4	29.8	44.6#
86	66.1	52.0	78.0



#25
2-Butanone
Concen: 3.803 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

Tgt Ion:	43	Resp:	6124
Ion	Ratio	Lower	Upper
43	100		
72	27.4	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.664 ug/l

RT: 7.841 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VN086407.D

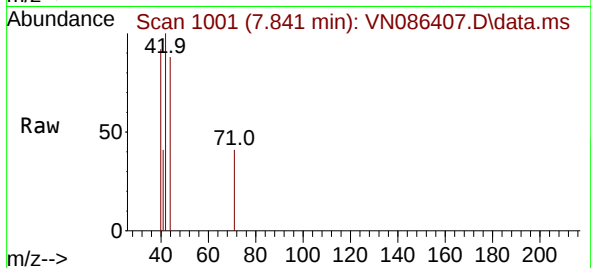
Acq: 28 Apr 2025 13:33

Instrument :

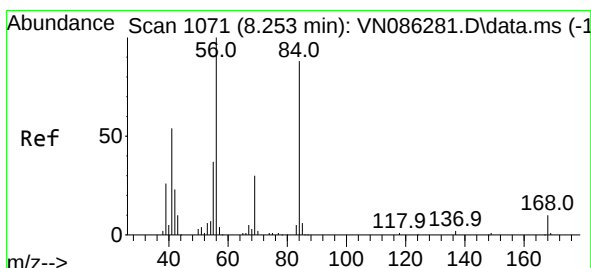
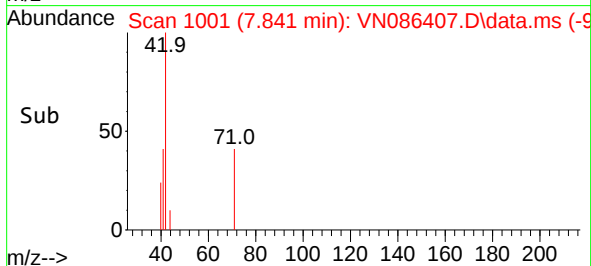
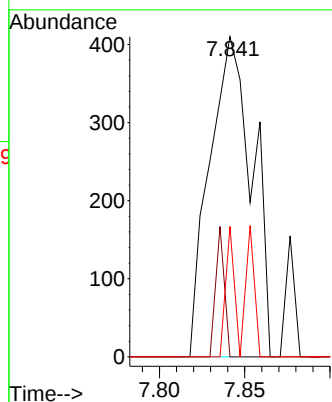
MSVOA_N

ClientSampleId :

PB167744ZHE#04



Tgt Ion:	42	Resp:	715
Ion Ratio	100		
Lower	36.2		
Upper	54.4#		
72	8.3		
71	16.5		
34.0			
51.0#			



#31

Cyclohexane

Concen: 1.044 ug/l

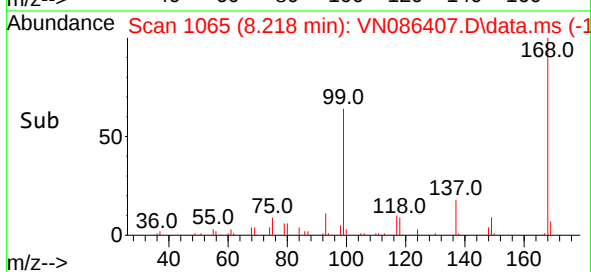
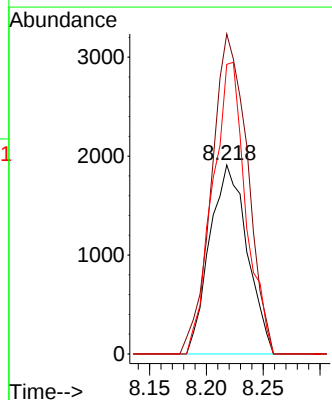
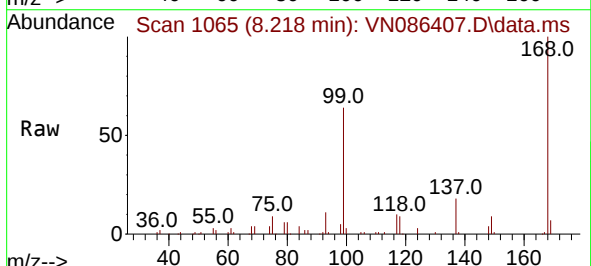
RT: 8.218 min Scan# 1065

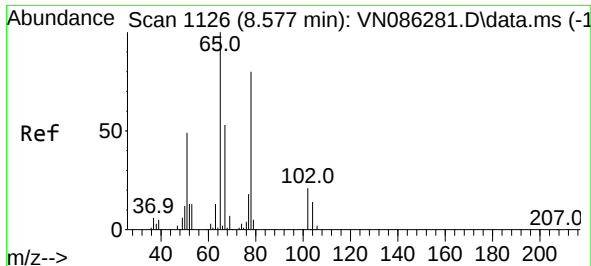
Delta R.T. -0.035 min

Lab File: VN086407.D

Acq: 28 Apr 2025 13:33

Tgt Ion:	56	Resp:	4376
Ion Ratio	100		
Lower	24.2		
Upper	36.2#		
69	169.3		
84	153.2		
70.3			
105.5#			

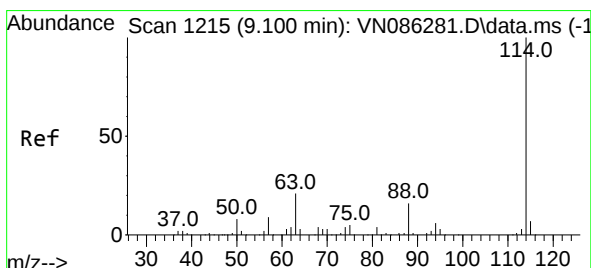
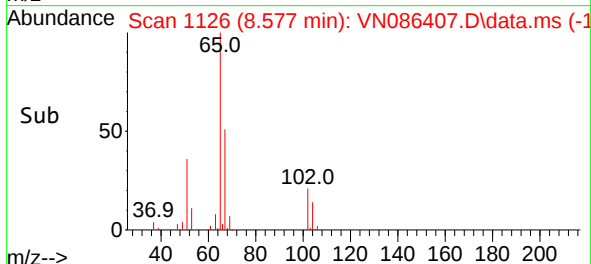
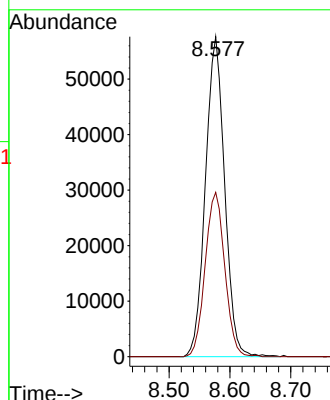
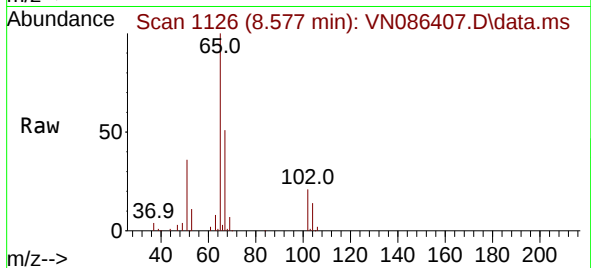




#33
 1,2-Dichloroethane-d4
 Concen: 48.772 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN086407.D
 Acq: 28 Apr 2025 13:33

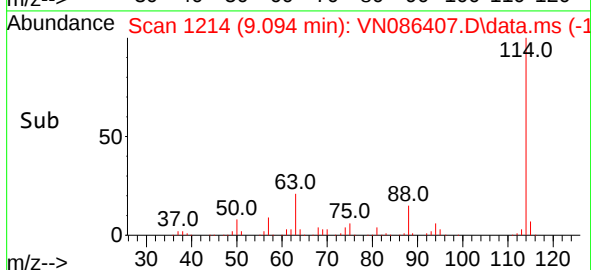
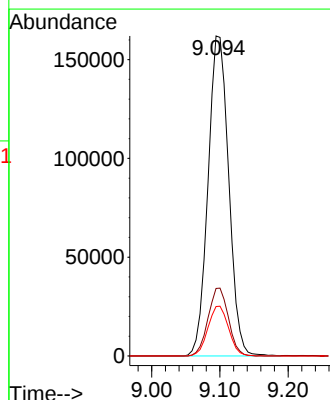
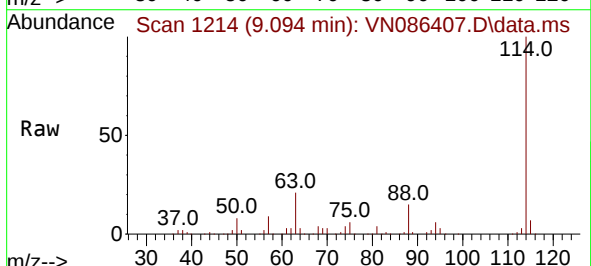
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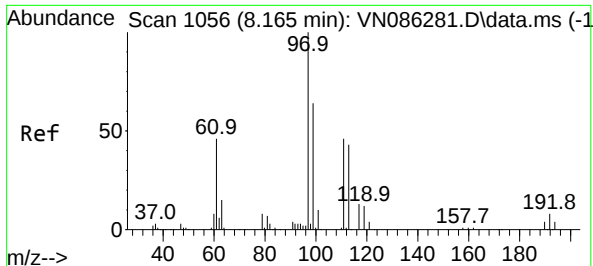
Tgt Ion: 65 Resp: 126166
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.094 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: VN086407.D
 Acq: 28 Apr 2025 13:33

Tgt Ion: 114 Resp: 342039
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.6
 88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.732 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086407.D

Acq: 28 Apr 2025 13:33

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#04

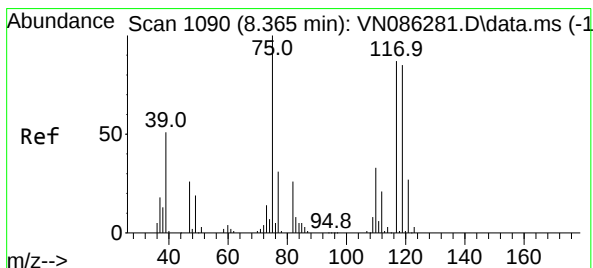
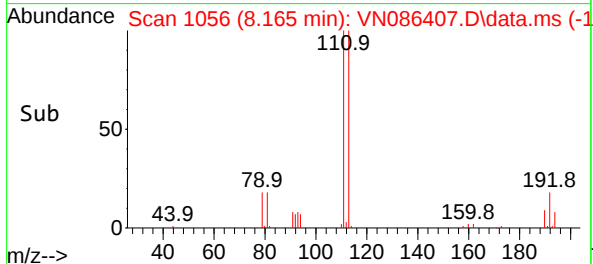
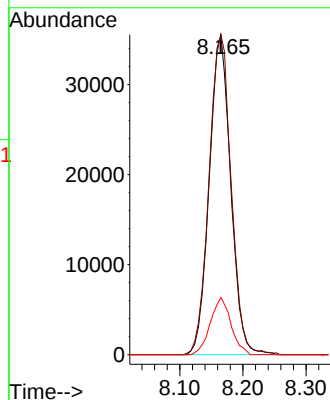
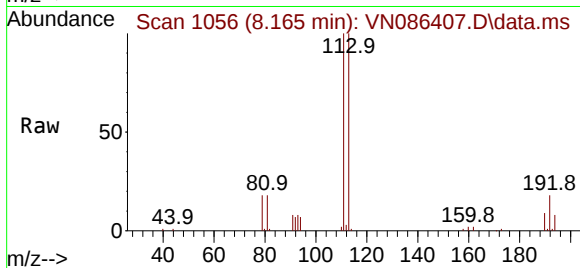
Tgt Ion:113 Resp: 83710

Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.0

192 17.2 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.775 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086407.D

Acq: 28 Apr 2025 13:33

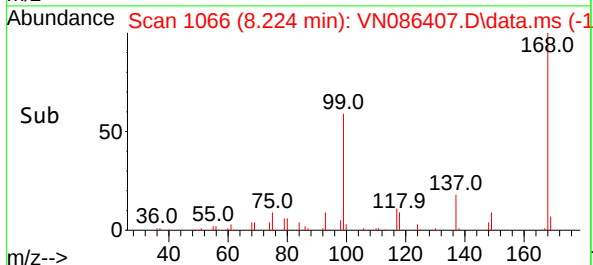
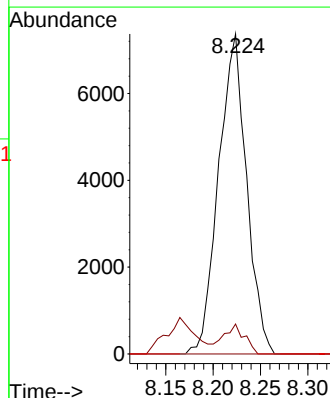
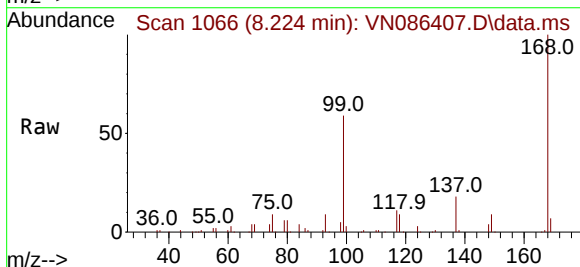
Tgt Ion: 75 Resp: 15139

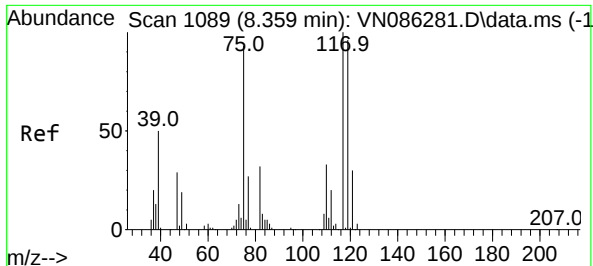
Ion Ratio Lower Upper

75 100

110 7.4 16.8 50.4#

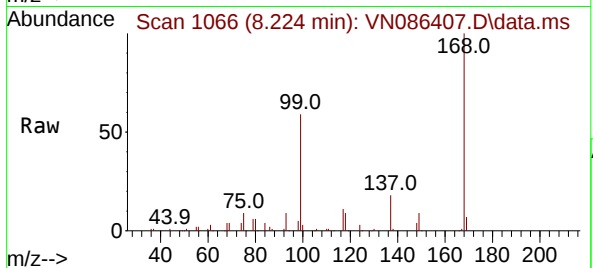
77 0.0 24.9 37.3#



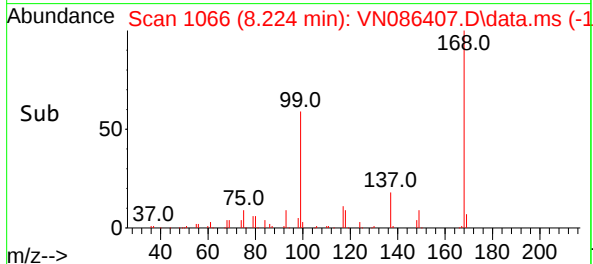
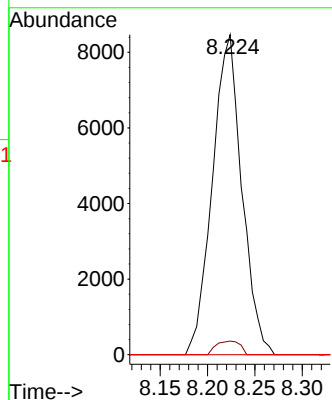


#38
Carbon Tetrachloride
Concen: 6.070 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#04

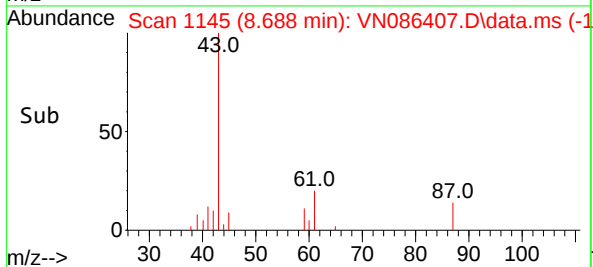
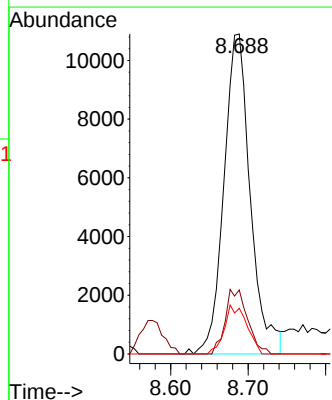
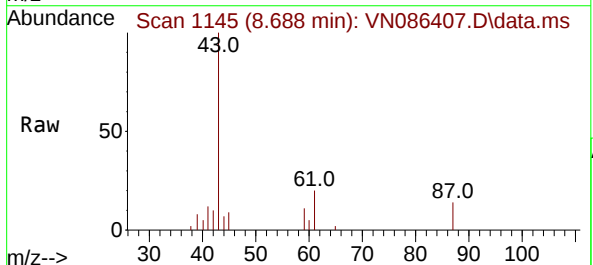


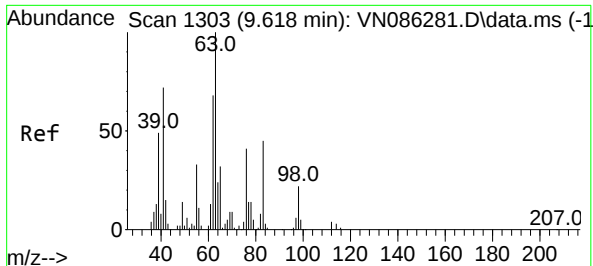
Tgt Ion:117 Resp: 18329
Ion Ratio Lower Upper
117 100
119 4.2 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 2.508 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

Tgt Ion: 43 Resp: 25904
Ion Ratio Lower Upper
43 100
61 17.0 20.5 30.7#
87 12.9 10.5 15.7





#45

1,2-Dichloropropane

Concen: 0.397 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN086407.D

Acq: 28 Apr 2025 13:33

Instrument :

MSVOA_N

ClientSampleId :

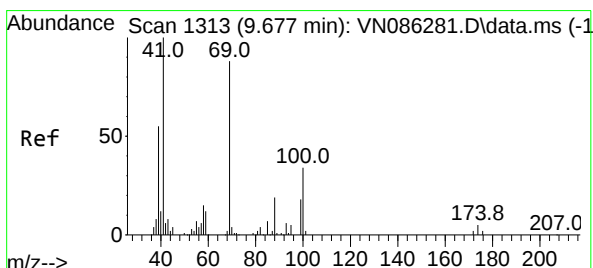
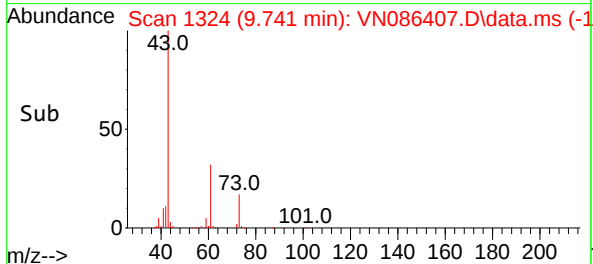
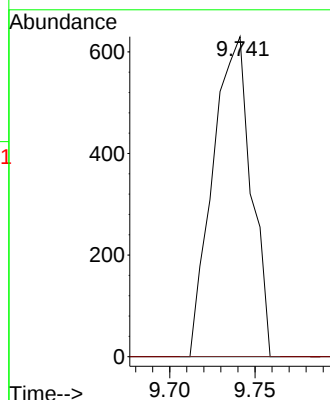
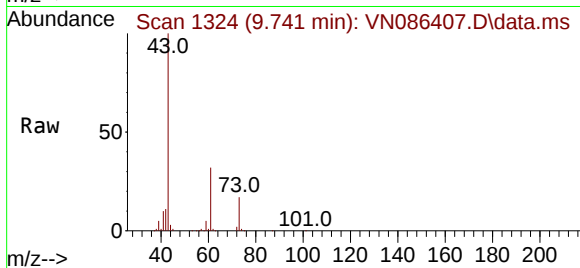
PB167744ZHE#04

Tgt Ion: 63 Resp: 986

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 24.040 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.059 min

Lab File: VN086407.D

Acq: 28 Apr 2025 13:33

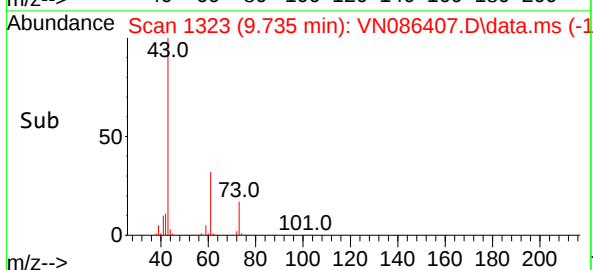
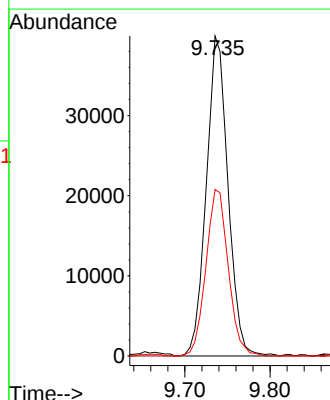
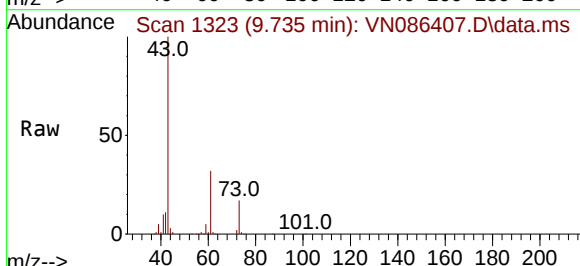
Tgt Ion: 41 Resp: 70471

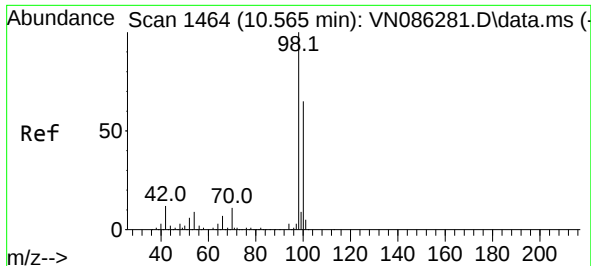
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 53.7 45.2 67.8

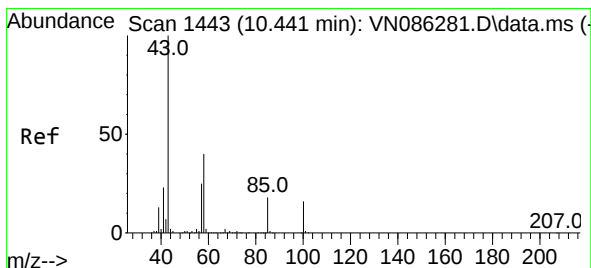
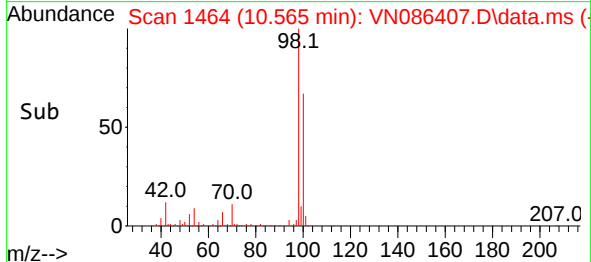
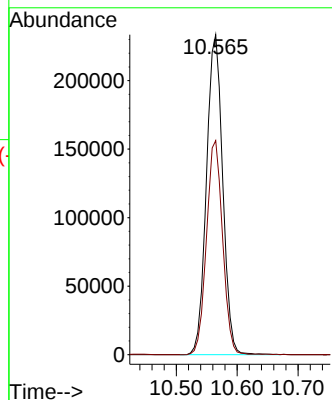
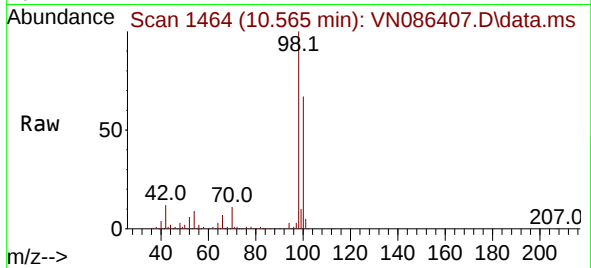




#50
Toluene-d8
Concen: 50.951 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

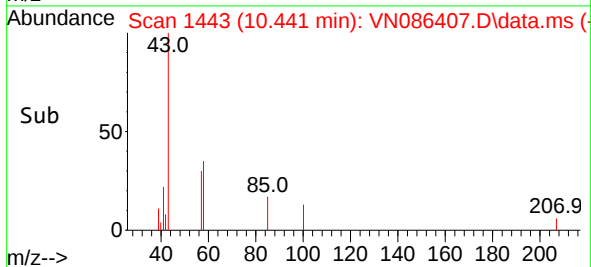
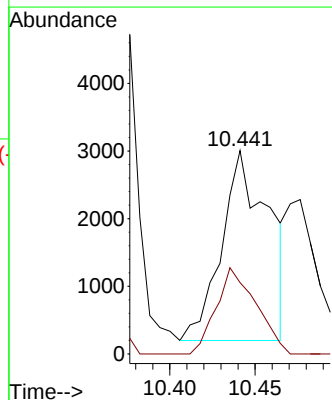
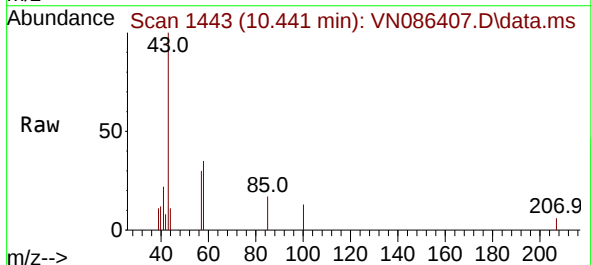
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#04

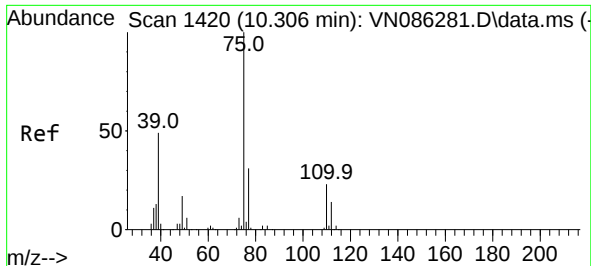
Tgt Ion: 98 Resp: 432273
Ion Ratio Lower Upper
98 100
100 66.4 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.568 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

Tgt Ion: 43 Resp: 5359
Ion Ratio Lower Upper
43 100
58 38.8 32.2 48.4

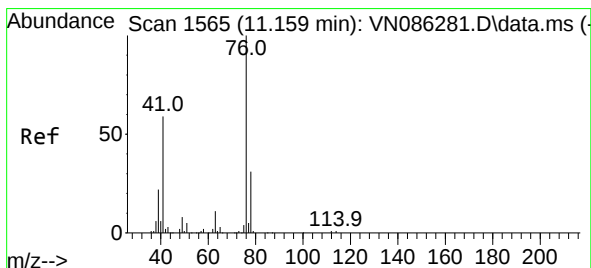
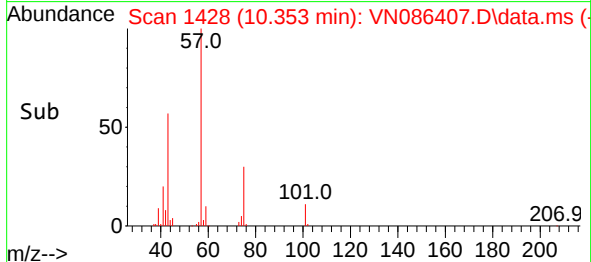
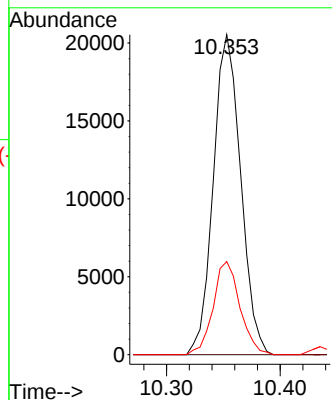
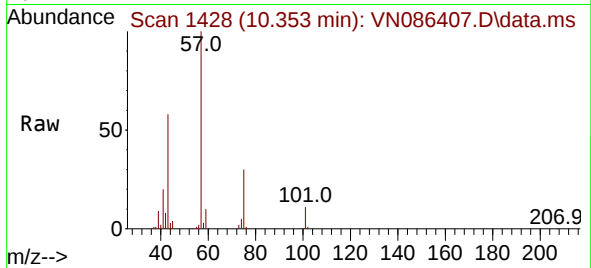




#54
 cis-1,3-Dichloropropene
 Concen: 8.194 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN086407.D
 Acq: 28 Apr 2025 13:33

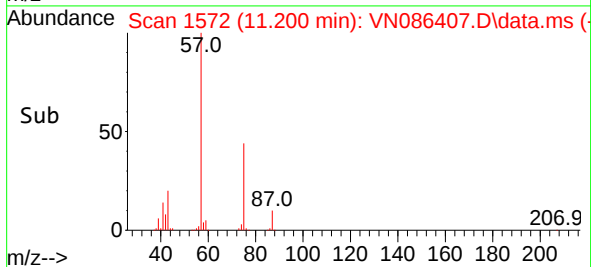
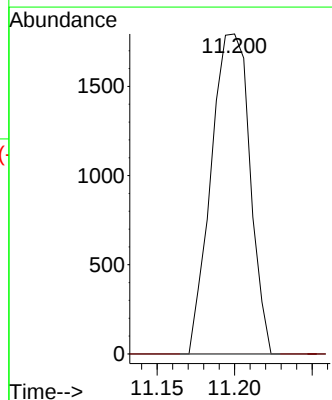
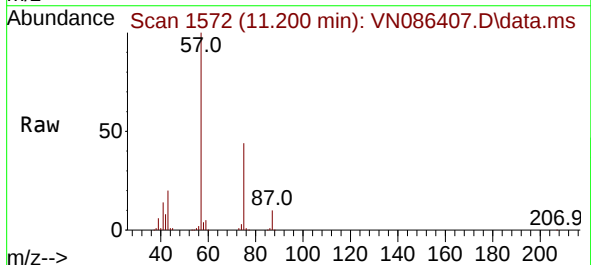
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#04

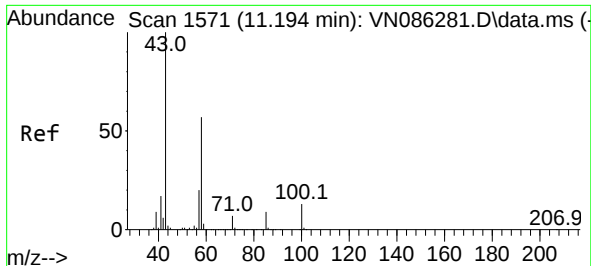
Tgt Ion: 75 Resp: 34377
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 29.1 39.3 58.9#



#57
 1,3-Dichloropropane
 Concen: 0.771 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.041 min
 Lab File: VN086407.D
 Acq: 28 Apr 2025 13:33

Tgt Ion: 76 Resp: 3118
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

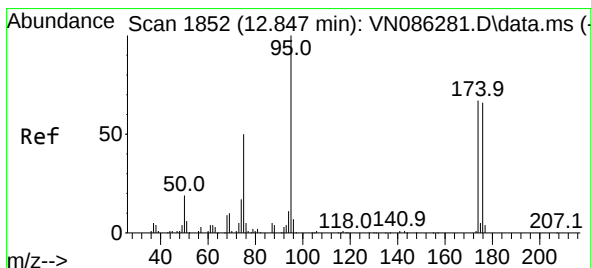
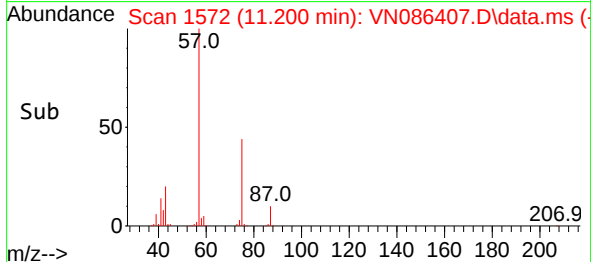
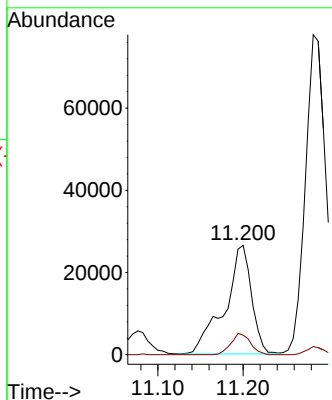
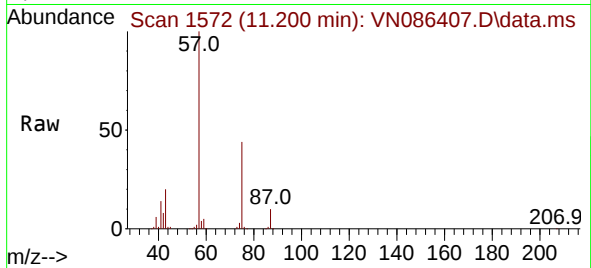




#59
2-Hexanone
Concen: 22.812 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

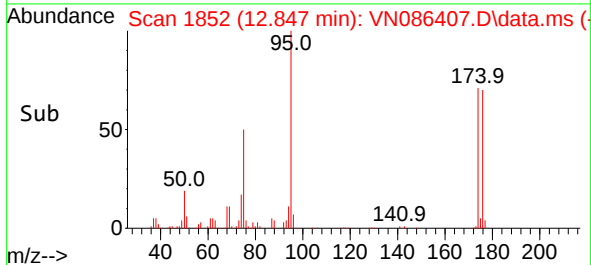
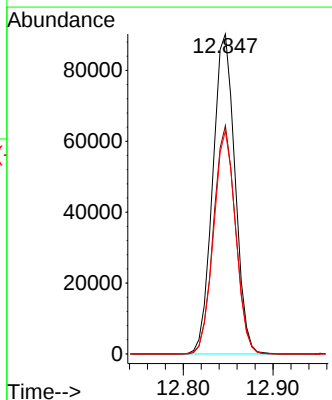
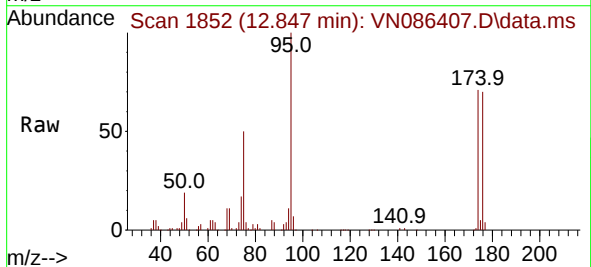
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#04

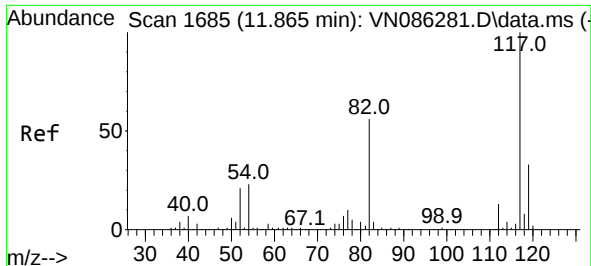
Tgt Ion: 43 Resp: 57836
Ion Ratio Lower Upper
43 100
58 14.2 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 50.222 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

Tgt Ion: 95 Resp: 155413
Ion Ratio Lower Upper
95 100
174 70.4 0.0 133.4
176 68.9 0.0 129.2

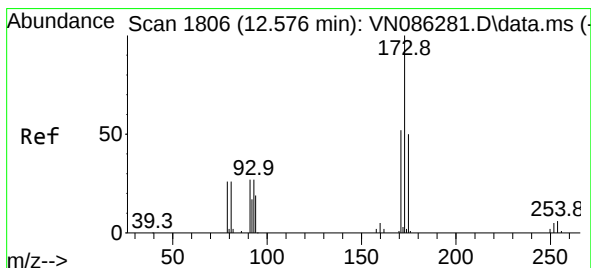
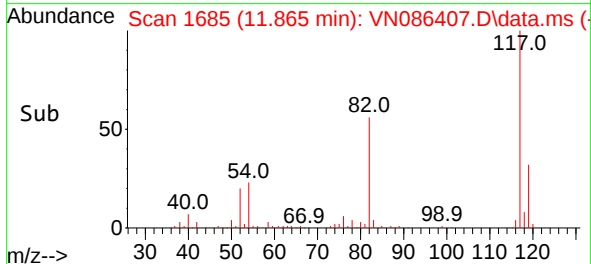
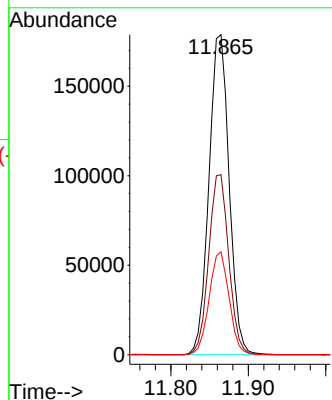
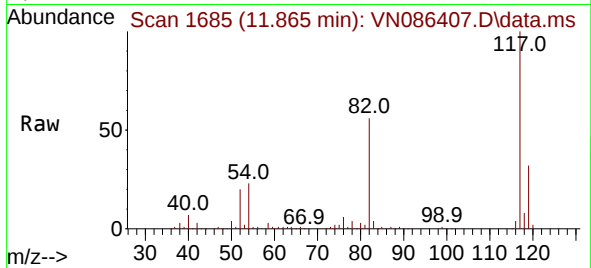




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

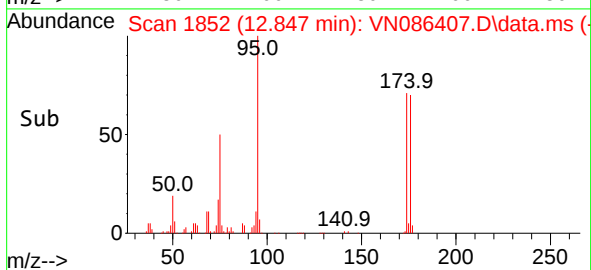
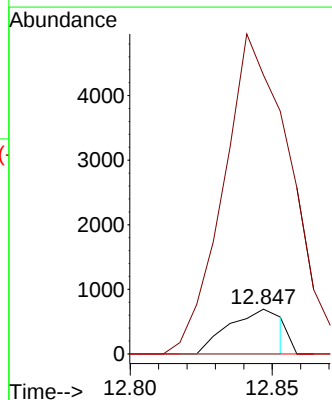
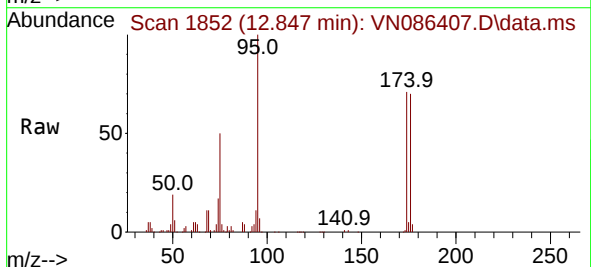
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#04

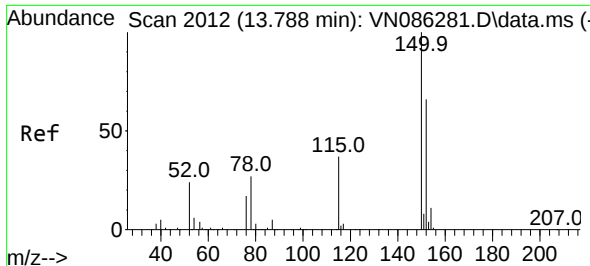
Tgt Ion:117 Resp: 324522
Ion Ratio Lower Upper
117 100
82 56.3 44.7 67.1
119 32.1 26.4 39.6



#71
Bromoform
Concen: 0.502 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

Tgt Ion:173 Resp: 903
Ion Ratio Lower Upper
173 100
175 739.5 24.6 73.6#
254 0.0 0.0 0.0

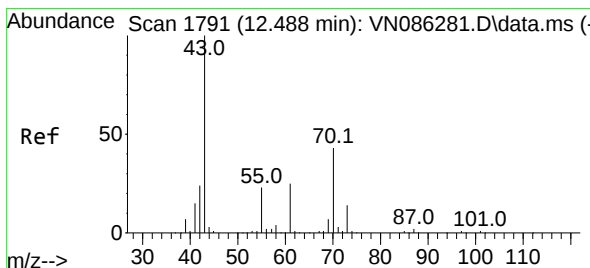
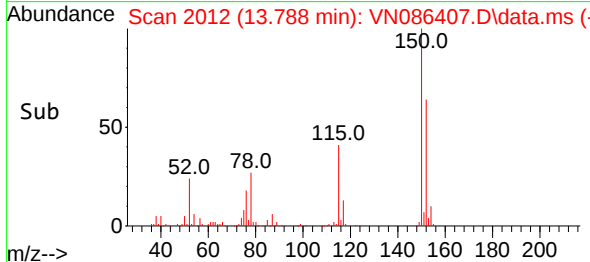
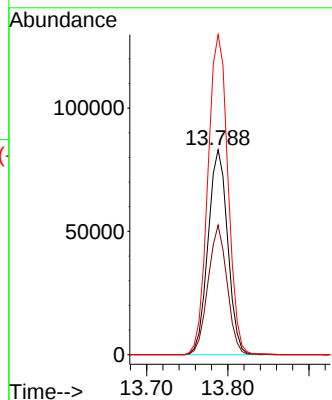
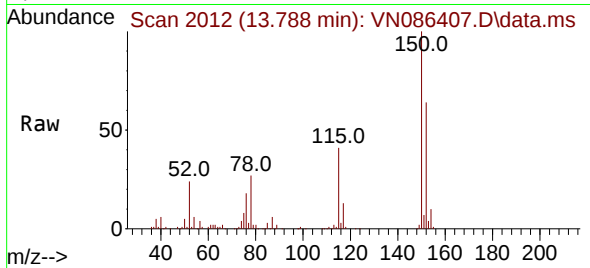




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

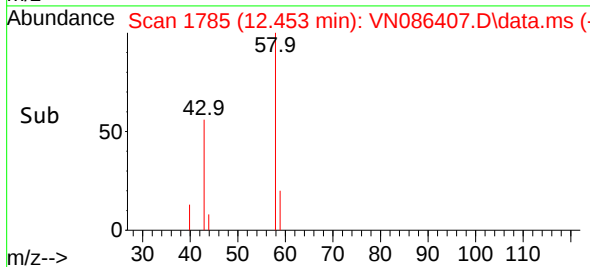
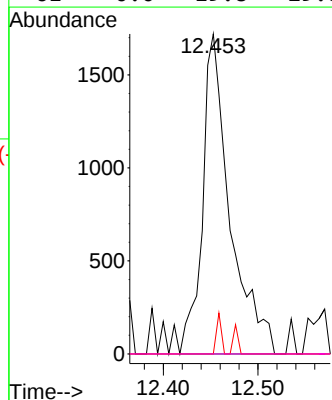
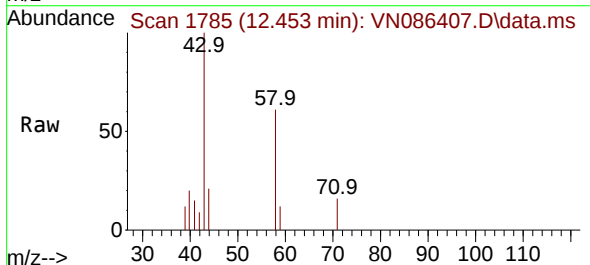
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#04

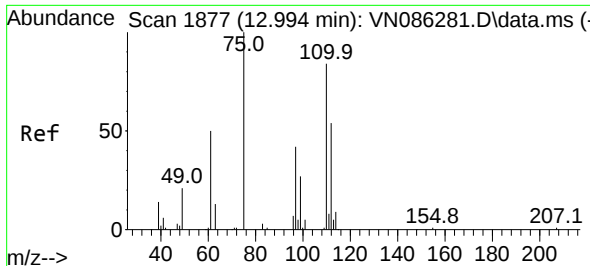
Tgt Ion:152 Resp: 139324
Ion Ratio Lower Upper
152 100
115 61.3 31.9 95.9
150 159.7 0.0 352.0



#74
N-ethyl acetate
Concen: 0.611 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.035 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

Tgt Ion: 43 Resp: 3467
Ion Ratio Lower Upper
43 100
70 0.0 35.0 52.4#
55 2.2 19.0 28.4#
61 0.0 19.8 29.8#

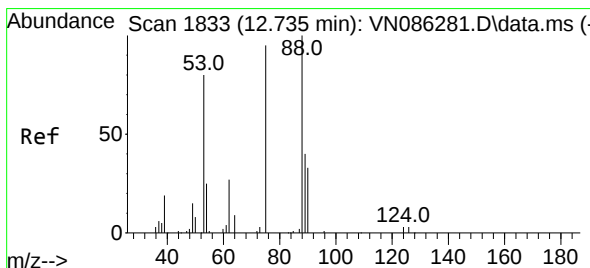
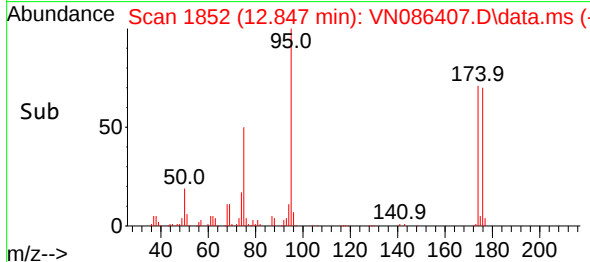
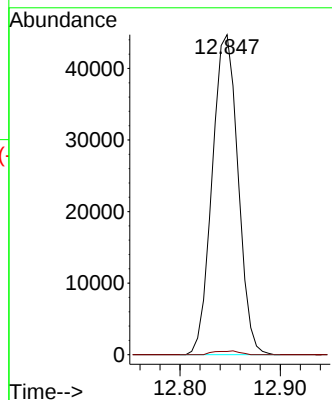
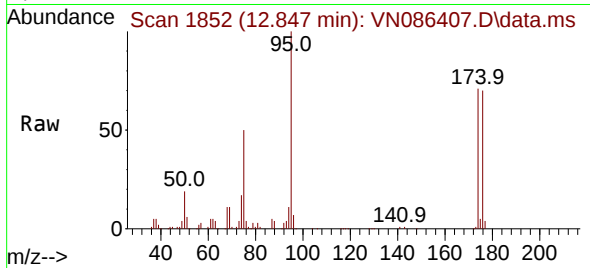




#76
1,2,3-Trichloropropane
Concen: 24.361 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#04

Tgt Ion: 75 Resp: 80095
Ion Ratio Lower Upper
75 100
77 1.2 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.506 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086407.D
Acq: 28 Apr 2025 13:33

Tgt Ion: 75 Resp: 80095
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

