

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042825\
 Data File : VN086420.D
 Acq On : 29 Apr 2025 02:32
 Operator : JC\MD
 Sample : PB167744ZHE#17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#17

Quant Time: Apr 29 03:41:44 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)

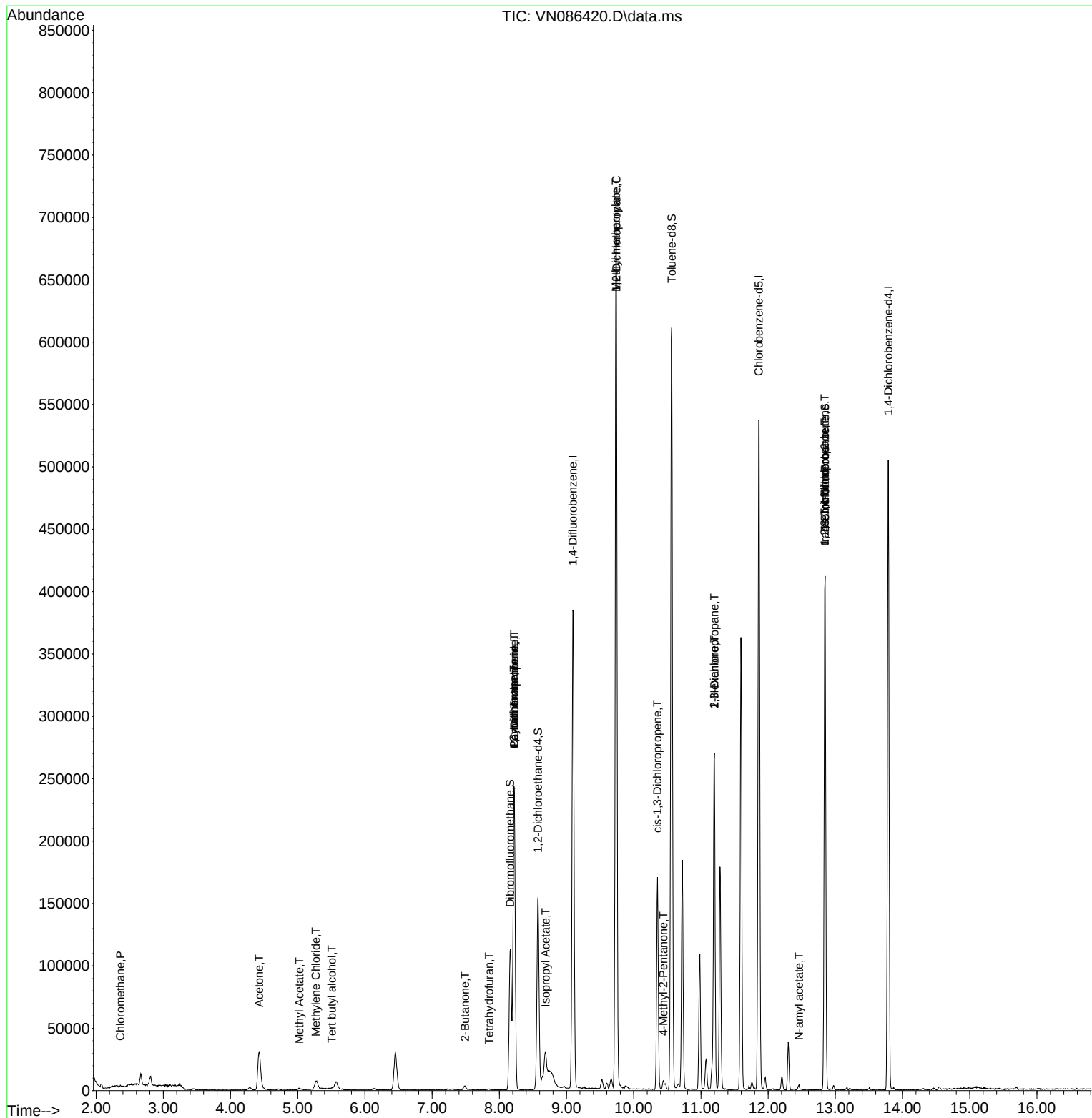
Internal Standards						
1) Pentafluorobenzene	8.224	168	180386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	340406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	316413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126509	48.364	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.720%
35) Dibromofluoromethane	8.159	113	86080	54.486	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.980%
50) Toluene-d8	10.565	98	433539	51.345	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.700%
62) 4-Bromofluorobenzene	12.847	95	149441	48.524	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.040%
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	836	0.269	ug/l	93
11) Tert butyl alcohol	5.506	59	1055	2.211	ug/l #	72
13) Acrolein	4.189	56	57	Below Cal	#	13
16) Acetone	4.424	43	61528	63.783	ug/l	97
18) Methyl Acetate	5.024	43	3485	1.110	ug/l #	74
20) Methylene Chloride	5.271	84	5723	2.367	ug/l	87
25) 2-Butanone	7.489	43	6920	4.250	ug/l	92
29) Tetrahydrofuran	7.847	42	668	0.614	ug/l #	38
31) Cyclohexane	8.218	56	4223	0.996	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15015	4.758	ug/l #	50
38) Carbon Tetrachloride	8.224	117	18613	6.194	ug/l #	16
43) Isopropyl Acetate	8.688	43	54560	7.421	ug/l #	70
45) 1,2-Dichloropropane	9.741	63	740	0.299	ug/l #	43
48) Methyl methacrylate	9.736	41	64715	22.182	ug/l #	43
51) 4-Methyl-2-Pentanone	10.441	43	5027	1.478	ug/l	93
54) cis-1,3-Dichloropropene	10.353	75	31024	7.430	ug/l #	63
57) 1,3-Dichloropropane	11.200	76	2652	0.659	ug/l #	43
59) 2-Hexanone	11.200	43	54729	21.690	ug/l #	43
71) Bromoform	12.847	173	910	0.519	ug/l #	1
74) N-amyl acetate	12.459	43	3701	0.674	ug/l #	43
76) 1,2,3-Trichloropropane	12.841	75	75890	23.843	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.841	75	75890	57.262	ug/l #	10

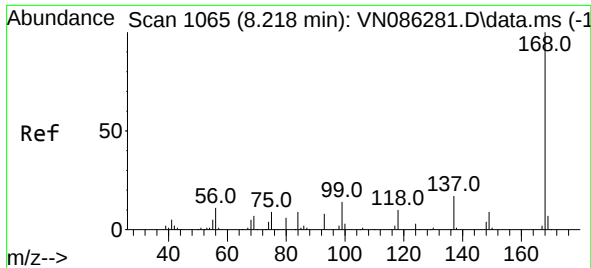
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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QLast Update : Wed Apr 16 04:19:23 2025
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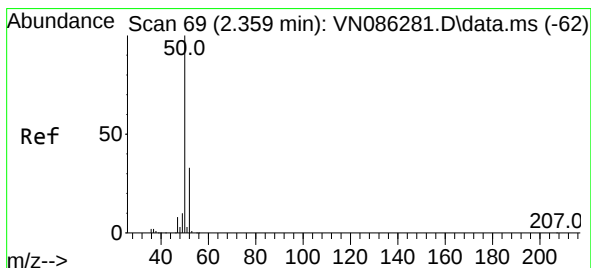
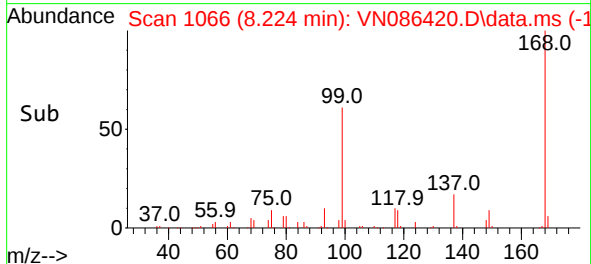
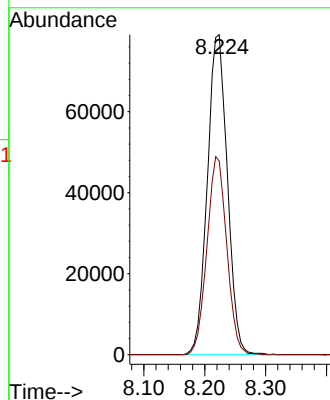
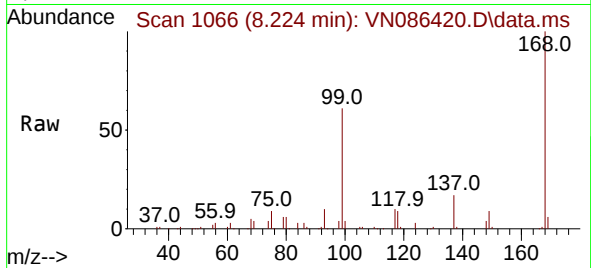




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

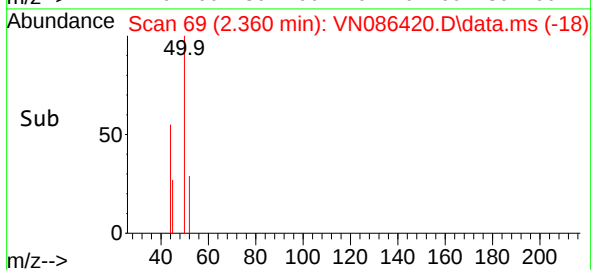
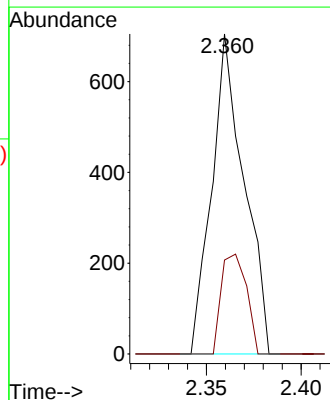
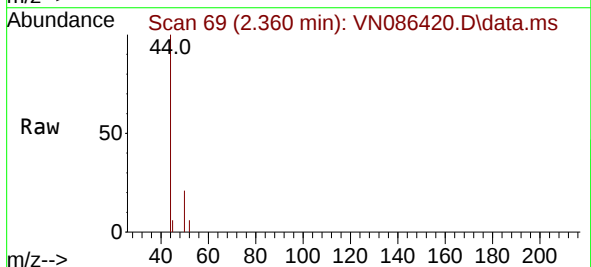
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#17

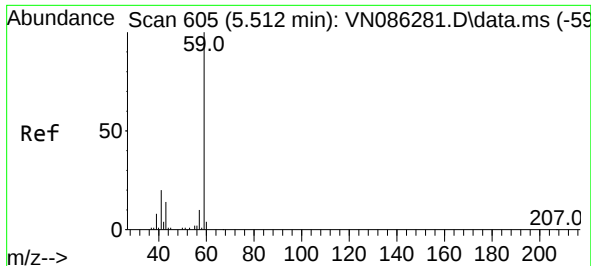
Tgt Ion:168 Resp: 180386
Ion Ratio Lower Upper
168 100
99 60.5 52.5 78.7



#3
Chloromethane
Concen: 0.269 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

Tgt Ion: 50 Resp: 836
Ion Ratio Lower Upper
50 100
52 29.4 26.5 39.7

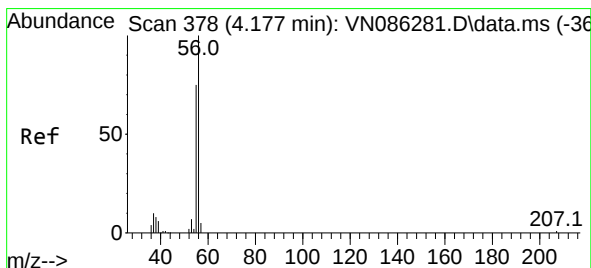
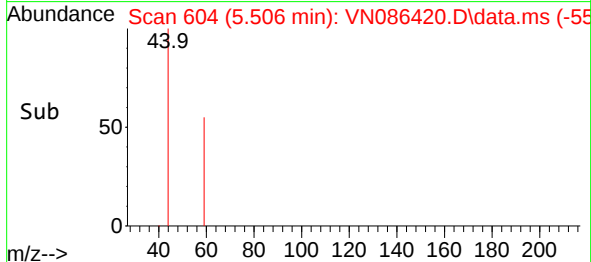
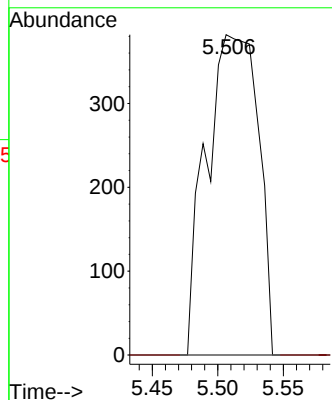
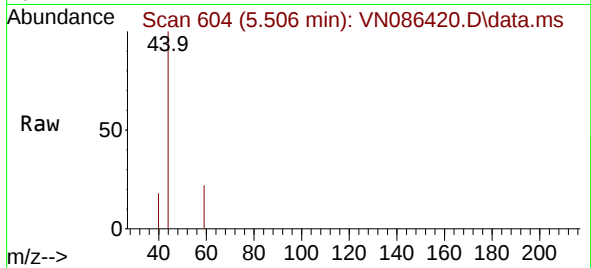




#11
Tert butyl alcohol
Concen: 2.211 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

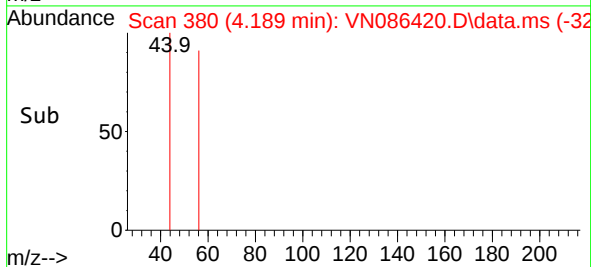
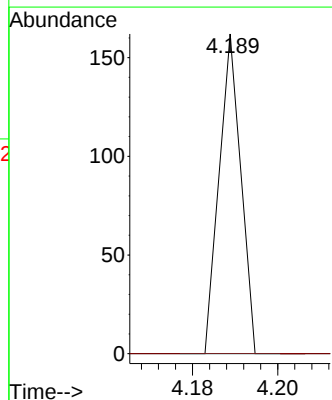
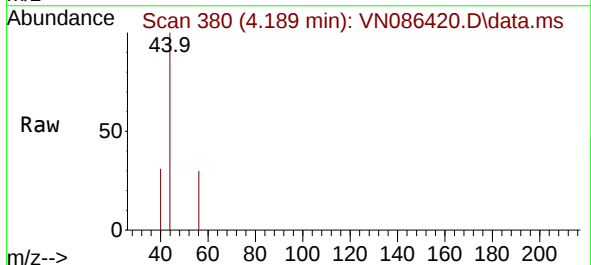
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#17

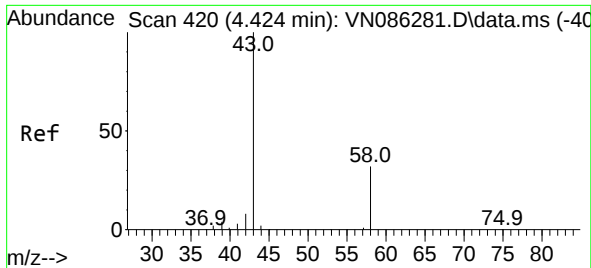
Tgt Ion: 59 Resp: 1055
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 58.5 87.7#

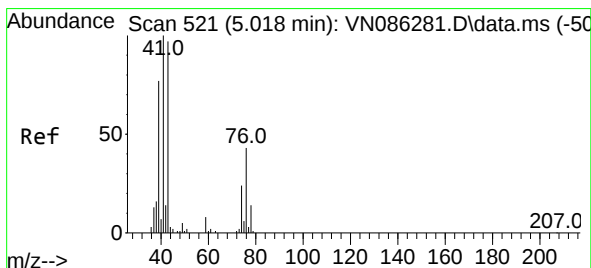
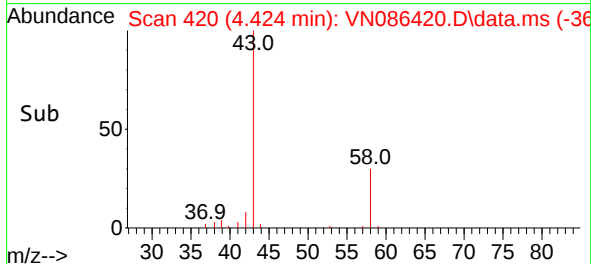
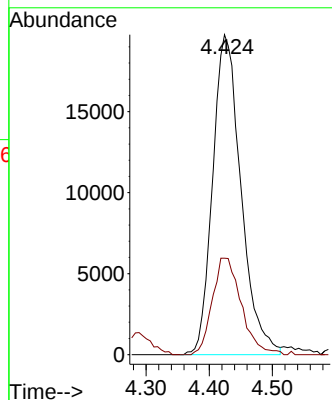
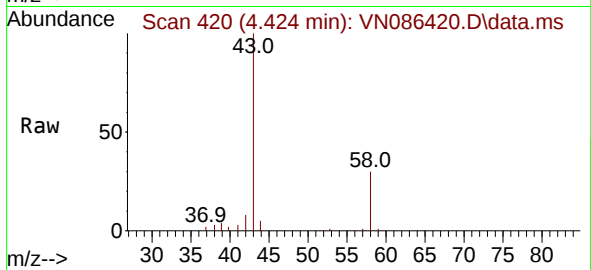




#16
Acetone
Concen: 63.783 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

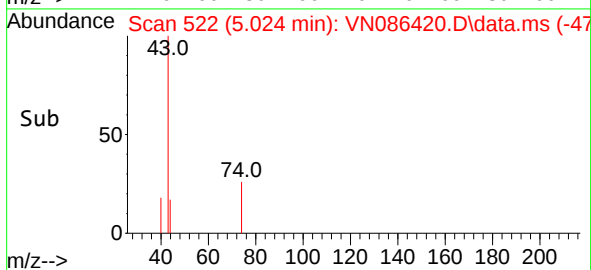
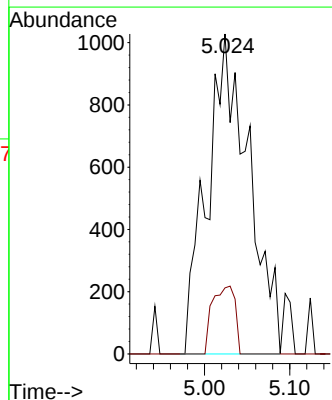
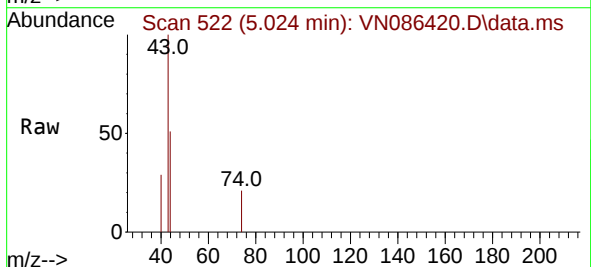
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#17

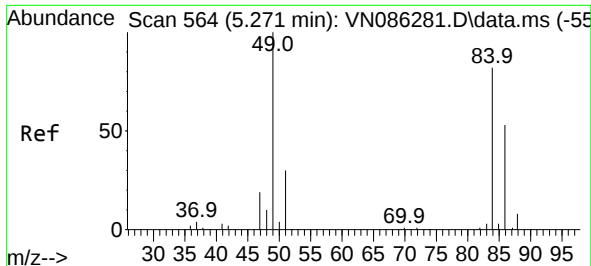
Tgt Ion: 43 Resp: 61528
Ion Ratio Lower Upper
43 100
58 30.2 25.3 37.9



#18
Methyl Acetate
Concen: 1.110 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

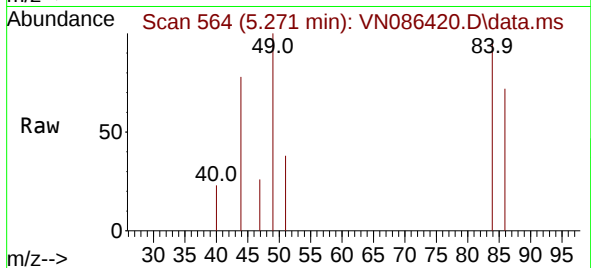
Tgt Ion: 43 Resp: 3485
Ion Ratio Lower Upper
43 100
74 11.5 19.8 29.6#



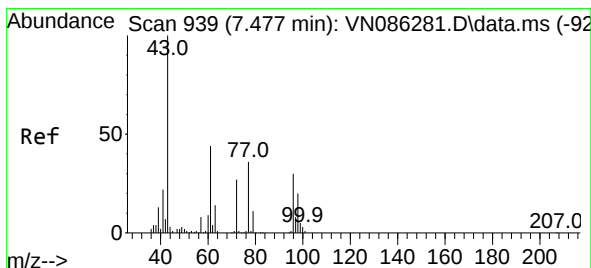
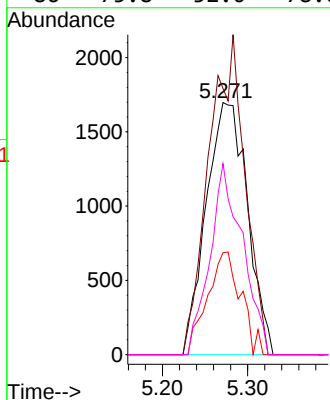
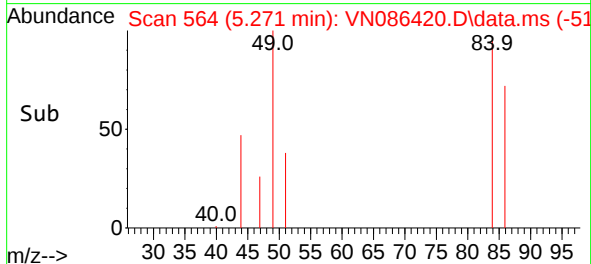


#20
Methylene Chloride
Concen: 2.367 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

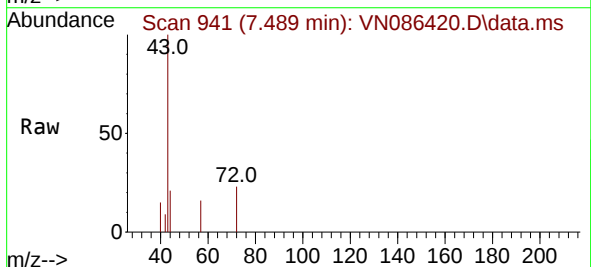
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#17



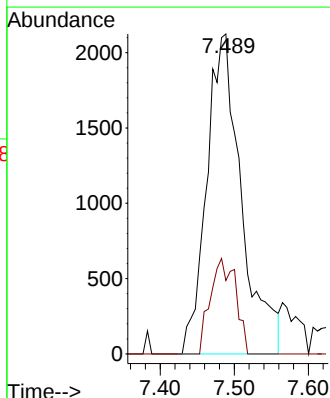
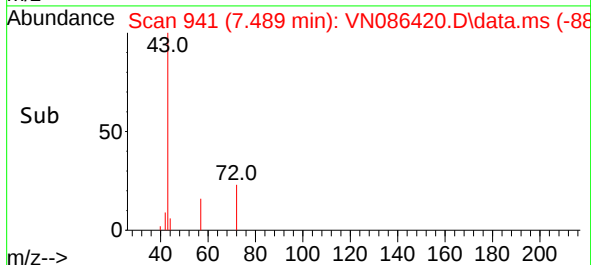
Tgt Ion:	84	Resp:	5723
Ion	Ratio	Lower	Upper
84	100		
49	105.6	98.2	147.2
51	40.4	29.8	44.6
86	75.8	52.0	78.0

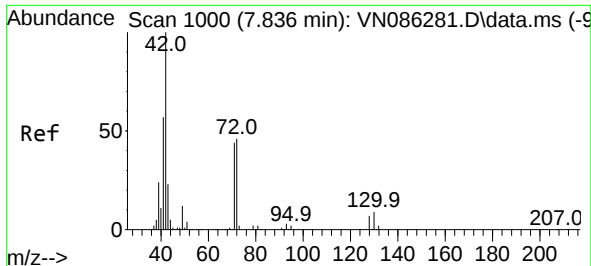


#25
2-Butanone
Concen: 4.250 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32



Tgt Ion:	43	Resp:	6920
Ion	Ratio	Lower	Upper
43	100		
72	22.9	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.614 ug/l

RT: 7.847 min Scan# 1065

Delta R.T. 0.012 min

Lab File: VN086420.D

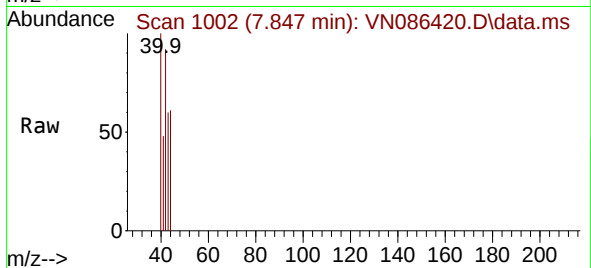
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Instrument :

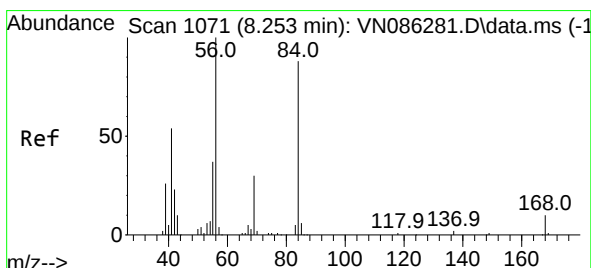
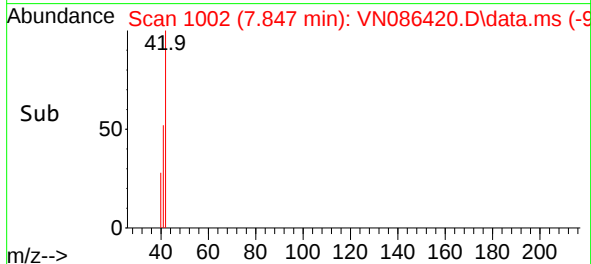
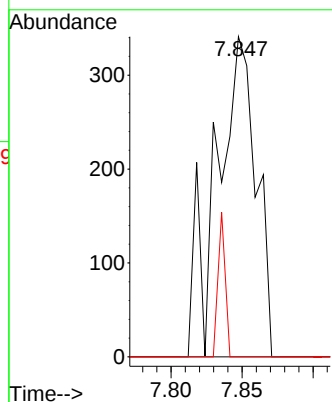
MSVOA_N

ClientSampleId :

PB167744ZHE#17



Tgt Ion:	42	Resp:	668
Ion Ratio	Lower	Upper	
42	100		
72	0.0	36.2	54.4#
71	8.1	34.0	51.0#



#31

Cyclohexane

Concen: 0.996 ug/l

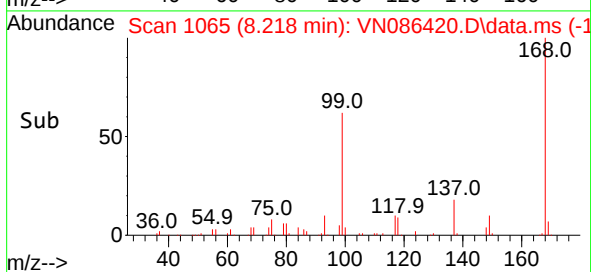
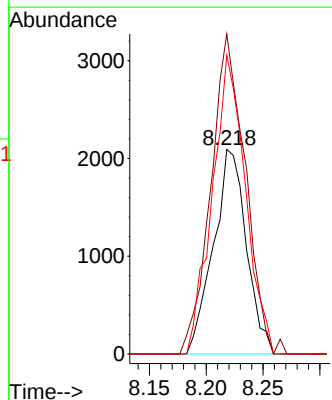
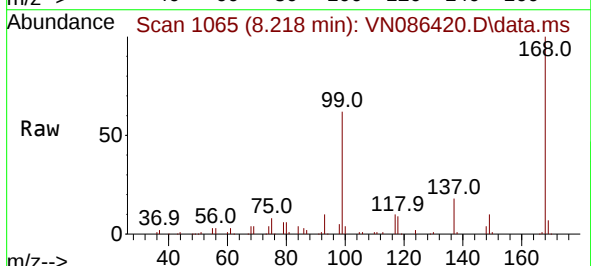
RT: 8.218 min Scan# 1065

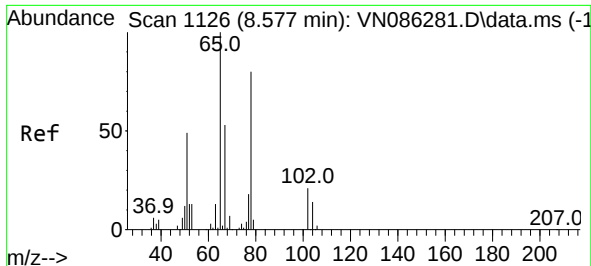
Delta R.T. -0.035 min

Lab File: VN086420.D

Acq: 29 Apr 2025 02:32

Tgt Ion:	56	Resp:	4223
Ion Ratio	Lower	Upper	
56	100		
69	156.5	24.2	36.2#
84	146.1	70.3	105.5#

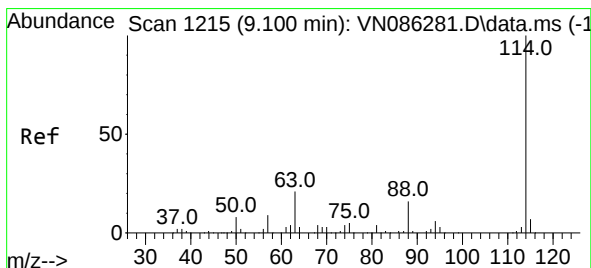
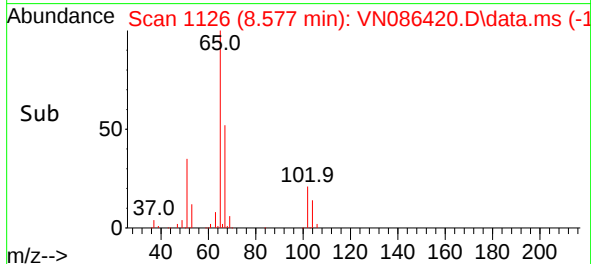
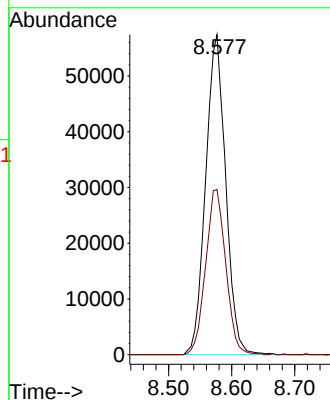
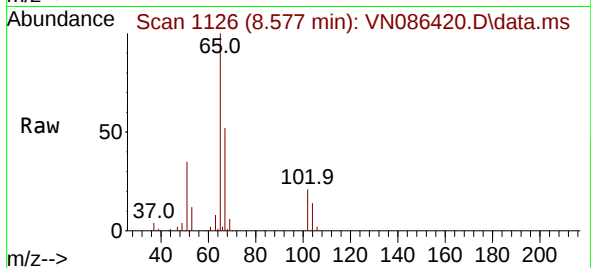




#33
 1,2-Dichloroethane-d4
 Concen: 48.364 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN086420.D
 Acq: 29 Apr 2025 02:32

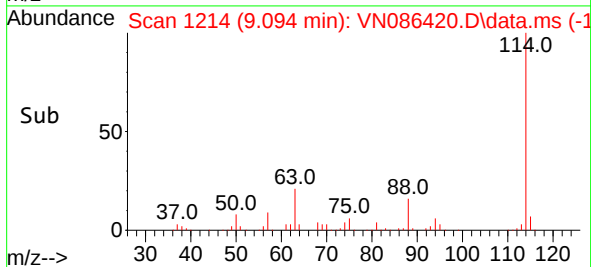
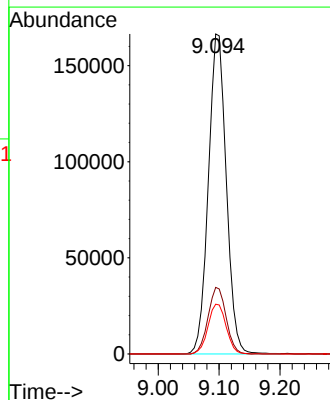
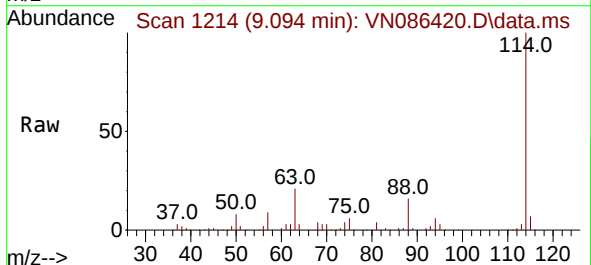
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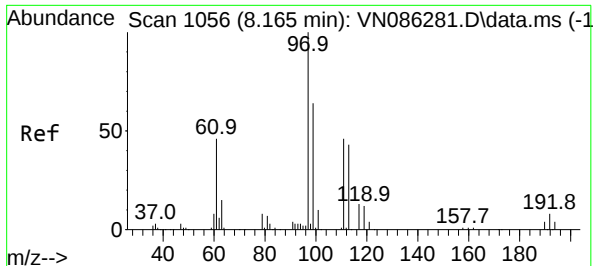
Tgt Ion: 65 Resp: 126509
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.094 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: VN086420.D
 Acq: 29 Apr 2025 02:32

Tgt Ion: 114 Resp: 340406
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.6
 88 15.6 0.0 31.8

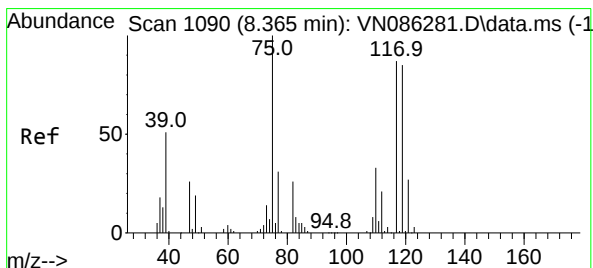
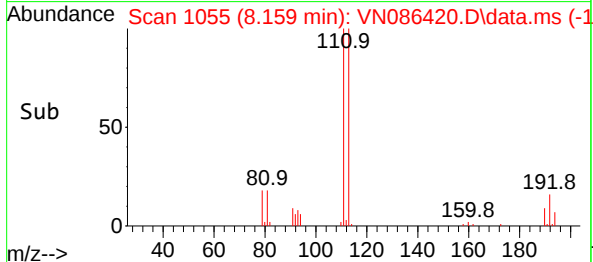
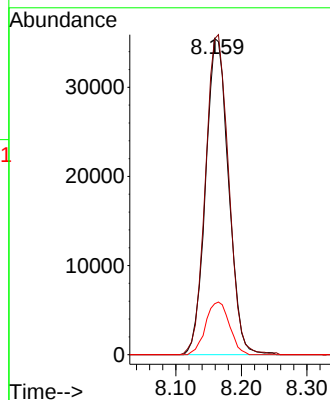
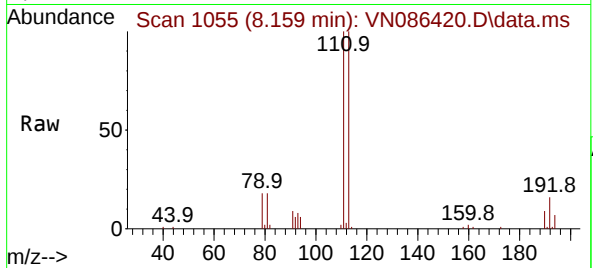




#35
Dibromofluoromethane
Concen: 54.486 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

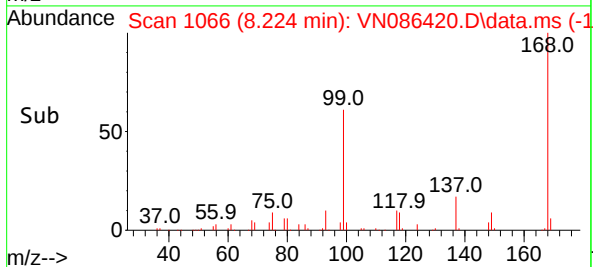
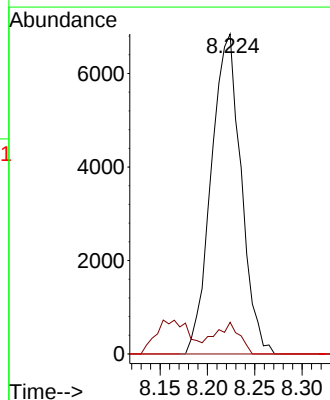
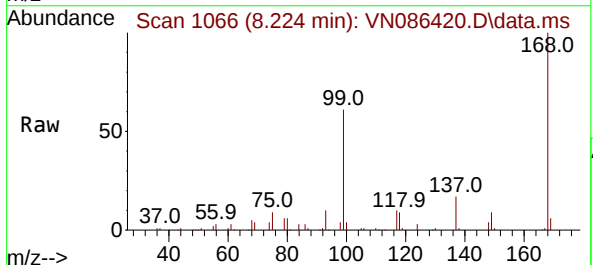
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#17

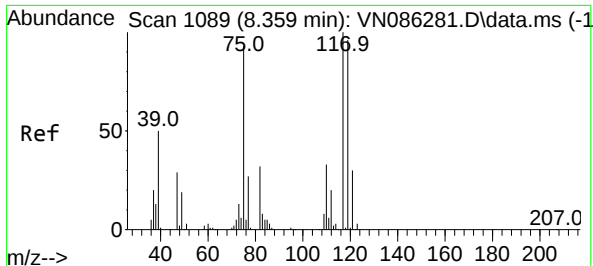
Tgt Ion:113 Resp: 86080
Ion Ratio Lower Upper
113 100
111 102.6 83.4 125.0
192 17.3 13.7 20.5



#36
1,1-Dichloropropene
Concen: 4.758 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

Tgt Ion: 75 Resp: 15015
Ion Ratio Lower Upper
75 100
110 8.1 16.8 50.4#
77 0.0 24.9 37.3#

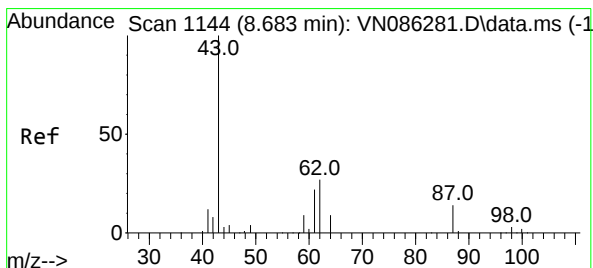
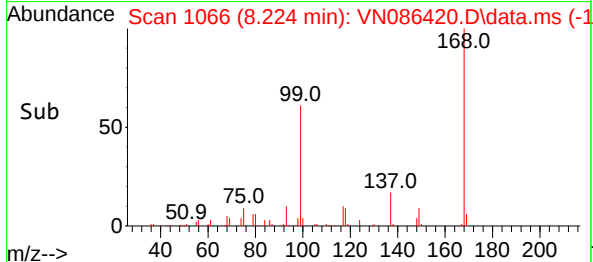
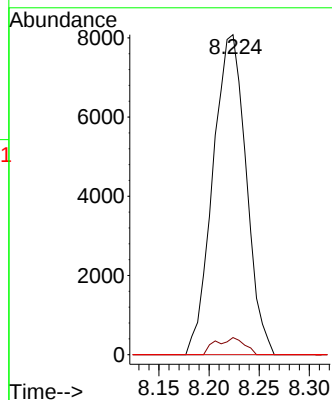
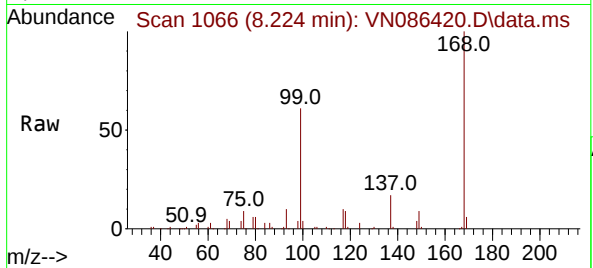




#38
Carbon Tetrachloride
Concen: 6.194 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

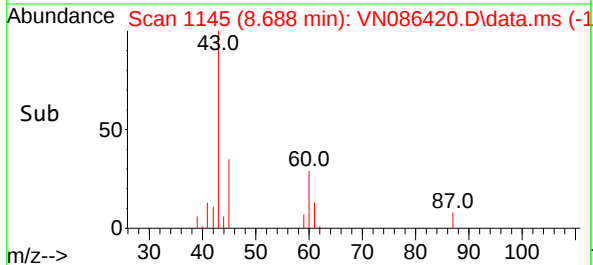
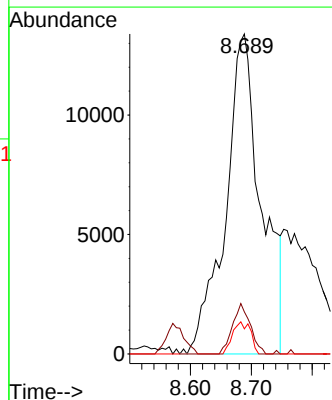
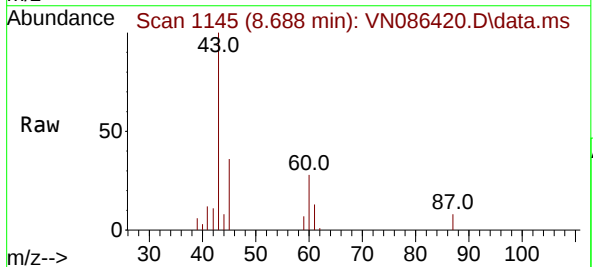
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#17

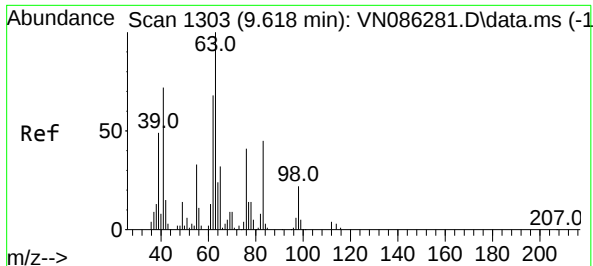
Tgt Ion:117 Resp: 18613
Ion Ratio Lower Upper
117 100
119 5.4 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 7.421 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

Tgt Ion: 43 Resp: 54560
Ion Ratio Lower Upper
43 100
61 7.9 20.5 30.7#
87 5.0 10.5 15.7#





#45

1,2-Dichloropropane

Concen: 0.299 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.124 min

Lab File: VN086420.D

Acq: 29 Apr 2025 02:32

Instrument :

MSVOA_N

ClientSampleId :

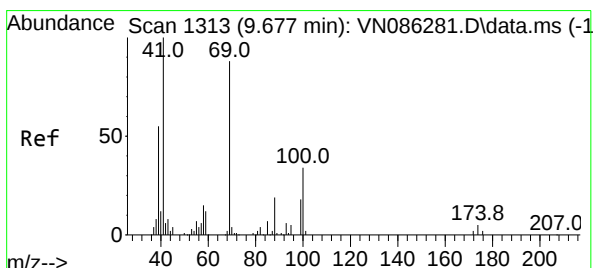
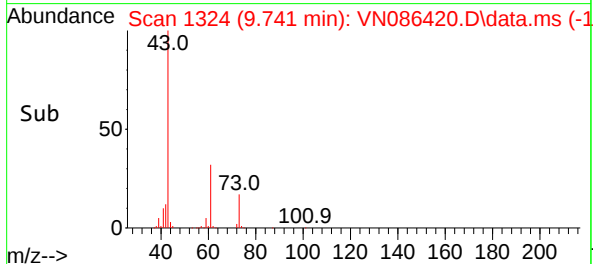
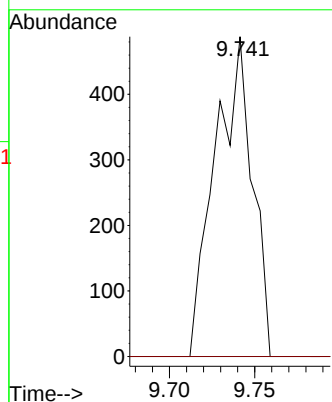
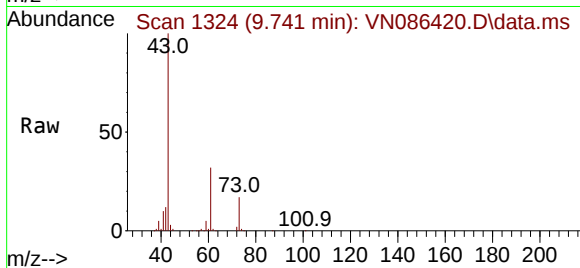
PB167744ZHE#17

Tgt Ion: 63 Resp: 740

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#



#48

Methyl methacrylate

Concen: 22.182 ug/l

RT: 9.736 min Scan# 1323

Delta R.T. 0.059 min

Lab File: VN086420.D

Acq: 29 Apr 2025 02:32

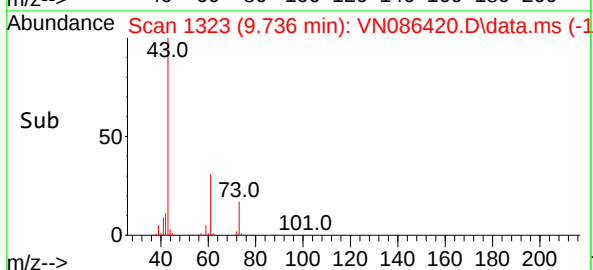
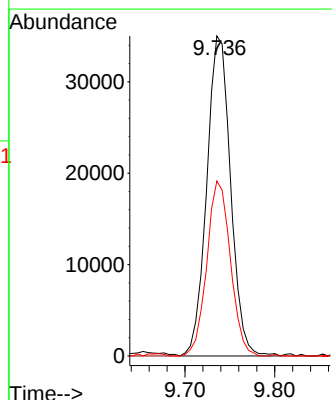
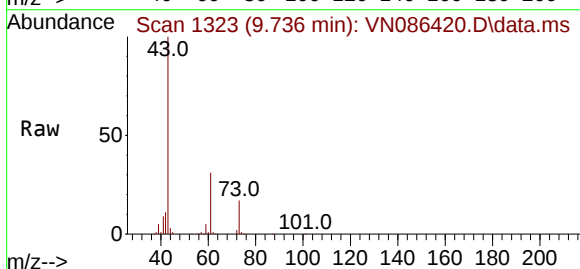
Tgt Ion: 41 Resp: 64715

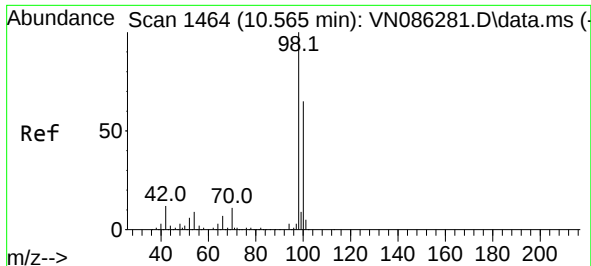
Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 54.1 45.2 67.8

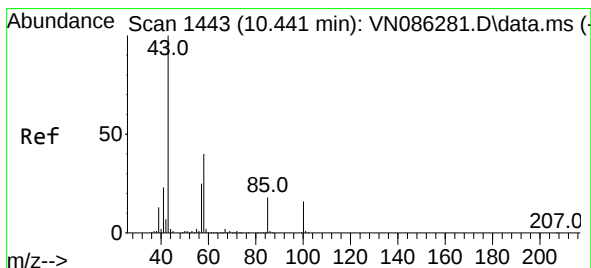
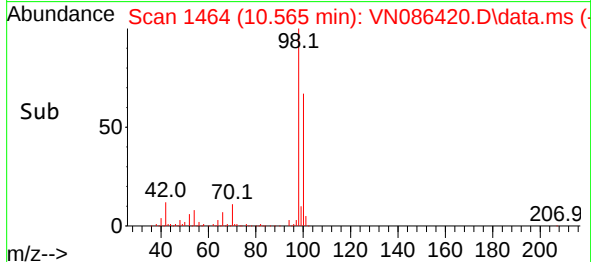
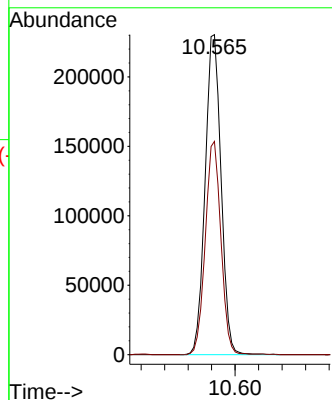
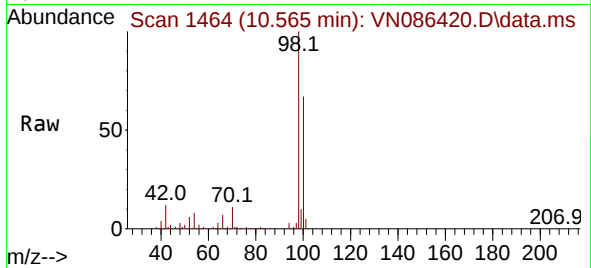




#50
Toluene-d8
Concen: 51.345 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

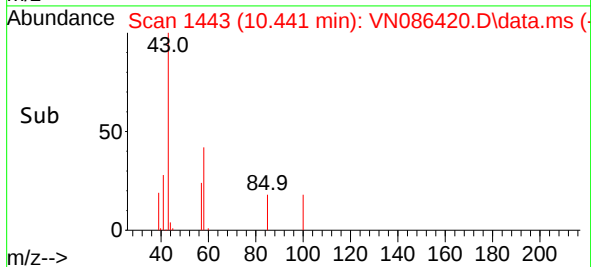
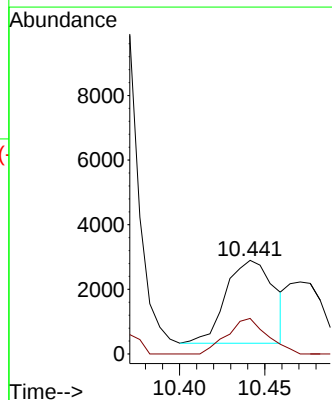
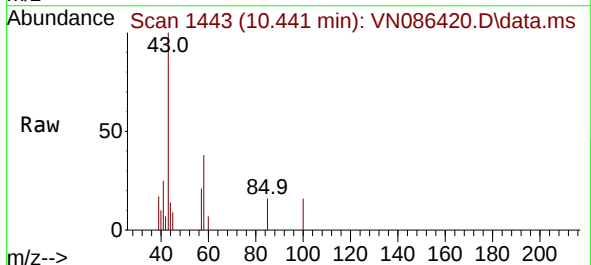
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#17

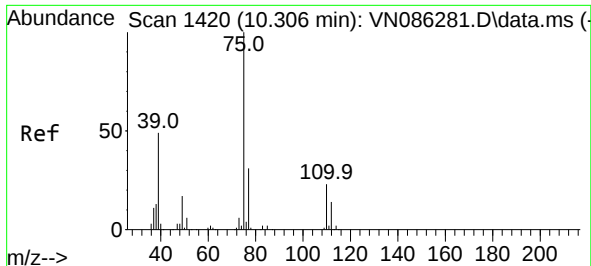
Tgt Ion: 98 Resp: 433539
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.478 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

Tgt Ion: 43 Resp: 5027
Ion Ratio Lower Upper
43 100
58 35.9 32.2 48.4

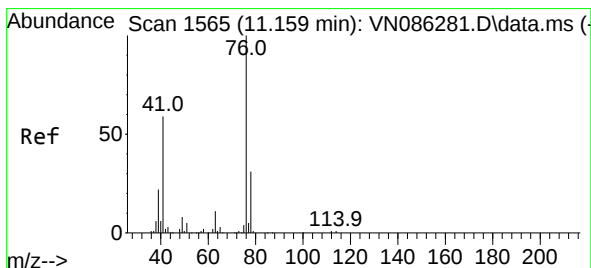
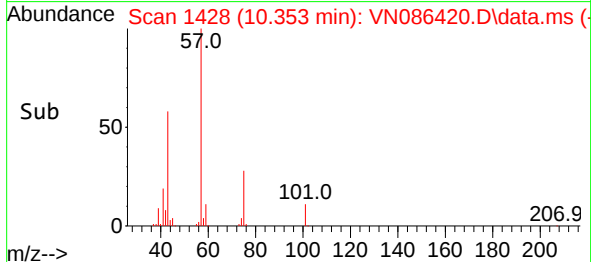
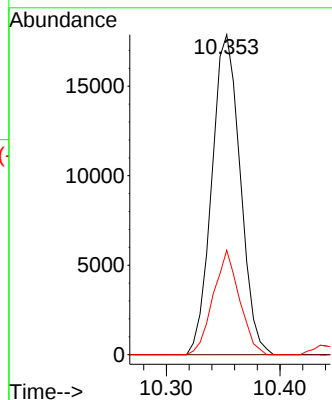
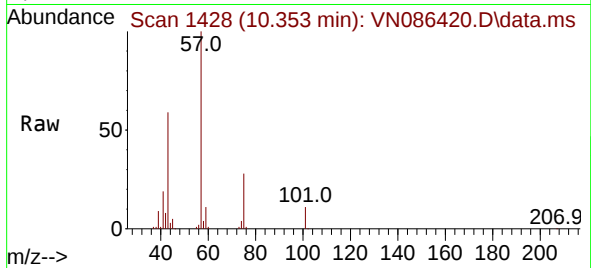




#54
cis-1,3-Dichloropropene
Concen: 7.430 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

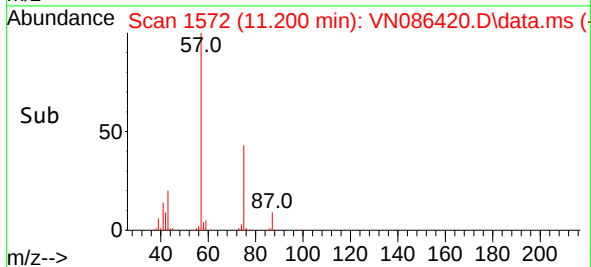
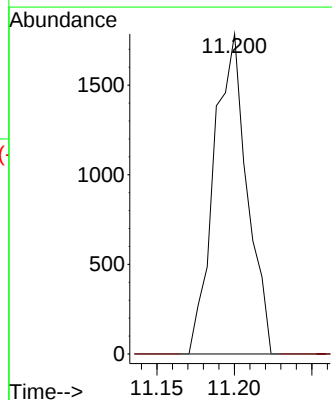
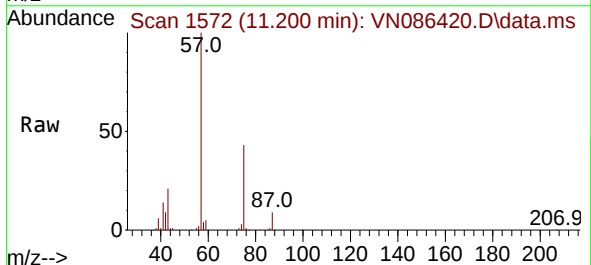
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#17

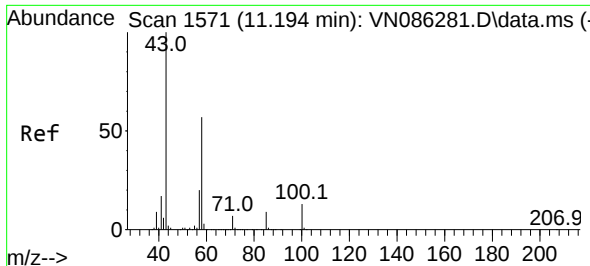
Tgt Ion: 75 Resp: 31024
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 32.7 39.3 58.9#



#57
1,3-Dichloropropane
Concen: 0.659 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

Tgt Ion: 76 Resp: 2652
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

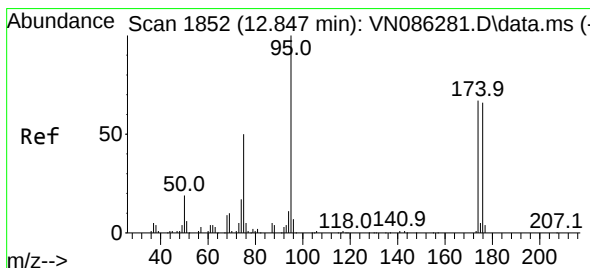
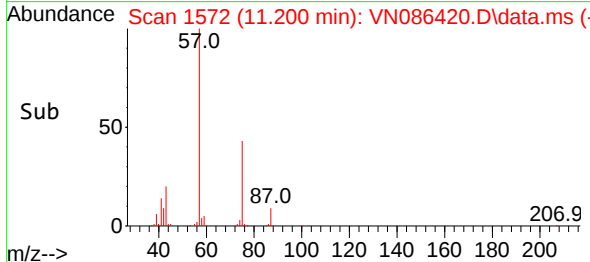
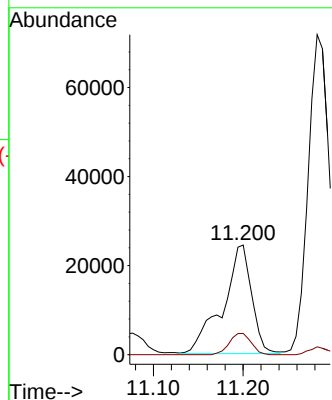
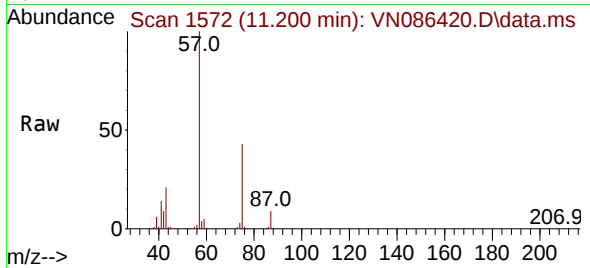




#59
2-Hexanone
Concen: 21.690 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

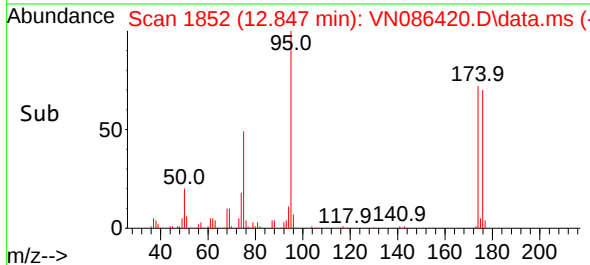
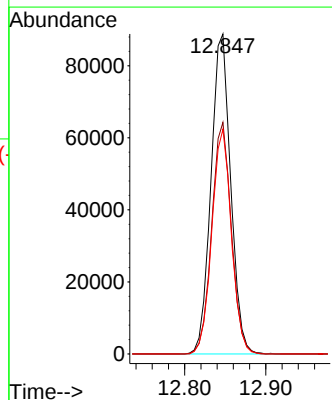
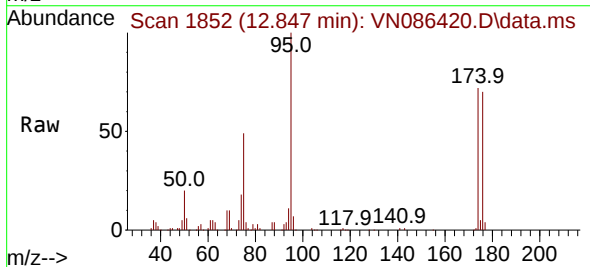
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#17

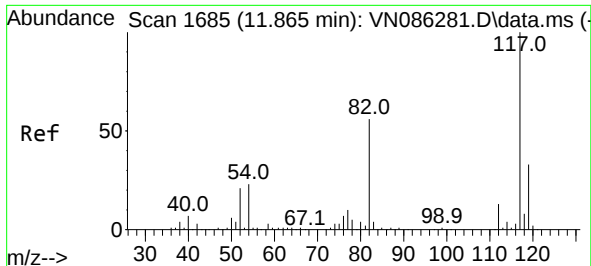
Tgt Ion: 43 Resp: 54729
Ion Ratio Lower Upper
43 100
58 14.8 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 48.524 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

Tgt Ion: 95 Resp: 149441
Ion Ratio Lower Upper
95 100
174 72.3 0.0 133.4
176 69.6 0.0 129.2

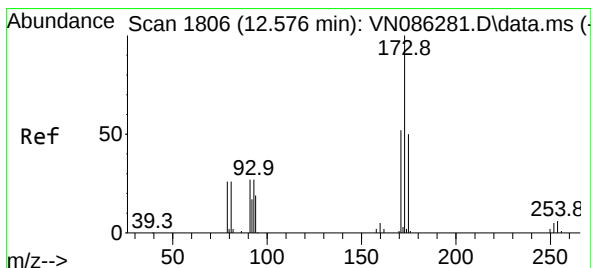
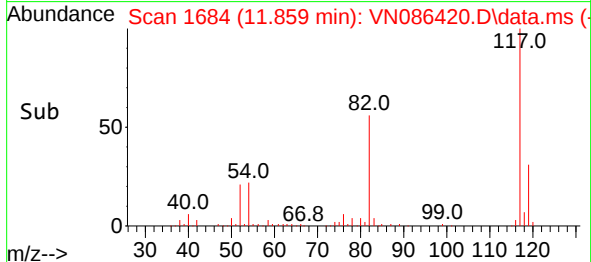
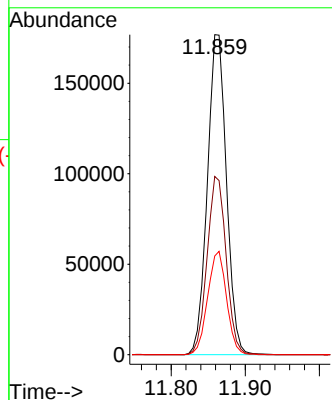
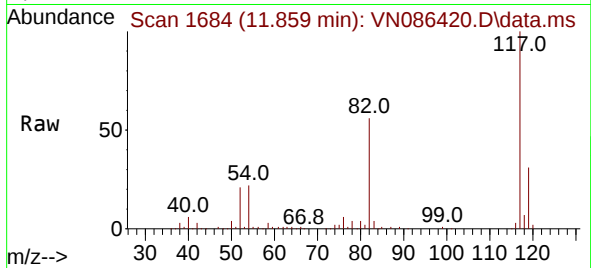




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

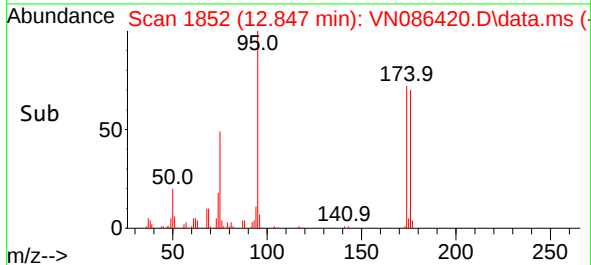
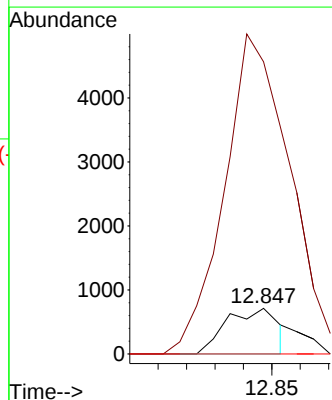
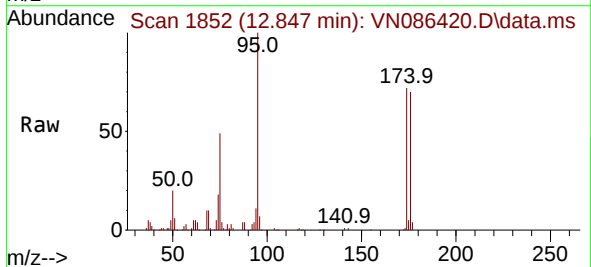
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#17

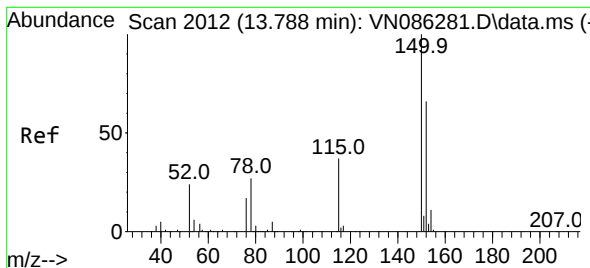
Tgt Ion:117 Resp: 316413
Ion Ratio Lower Upper
117 100
82 55.7 44.7 67.1
119 30.9 26.4 39.6



#71
Bromoform
Concen: 0.519 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

Tgt Ion:173 Resp: 910
Ion Ratio Lower Upper
173 100
175 725.4 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# 20

Delta R.T. 0.000 min

Lab File: VN086420.D

Acq: 29 Apr 2025 02:32

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#17

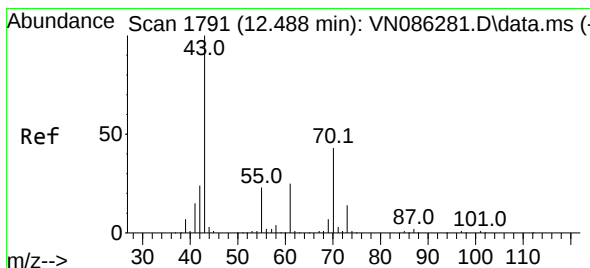
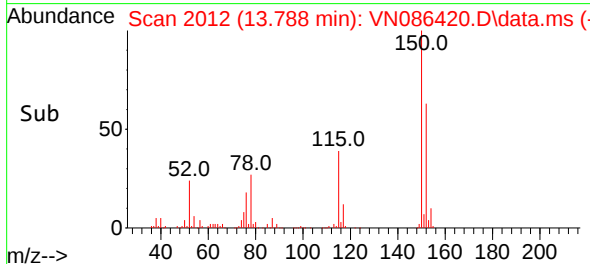
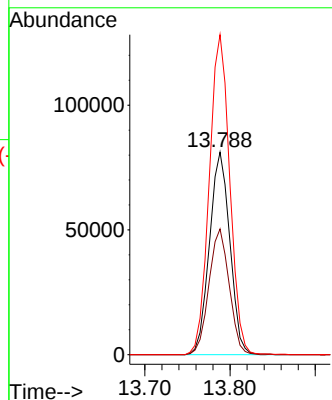
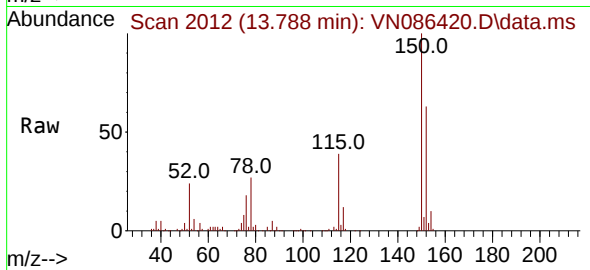
Tgt Ion:152 Resp: 134878

Ion Ratio Lower Upper

152 100

115 61.7 31.9 95.9

150 158.5 0.0 352.0



#74

N-ethyl acetate

Concen: 0.674 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.029 min

Lab File: VN086420.D

Acq: 29 Apr 2025 02:32

Tgt Ion: 43 Resp: 3701

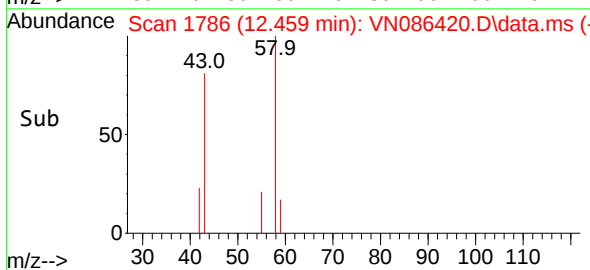
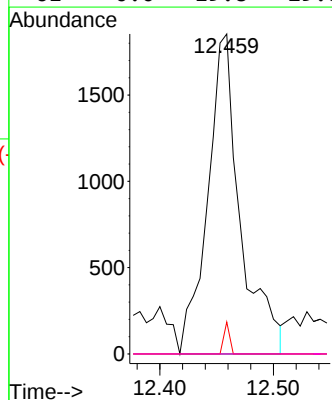
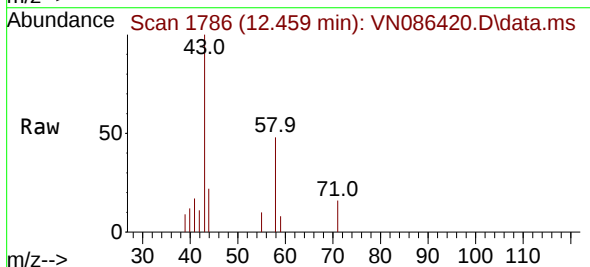
Ion Ratio Lower Upper

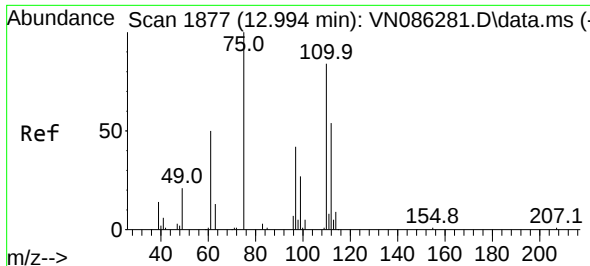
43 100

70 0.0 35.0 52.4#

55 1.8 19.0 28.4#

61 0.0 19.8 29.8#

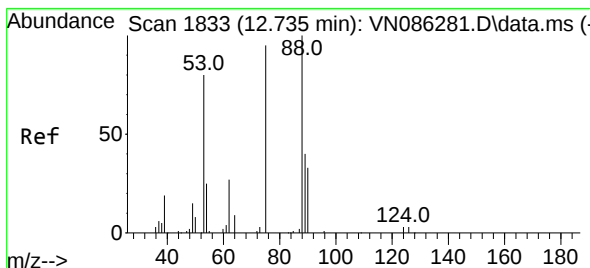
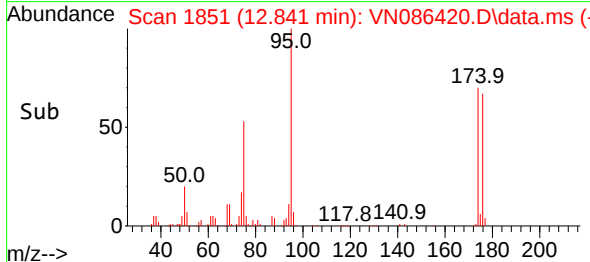
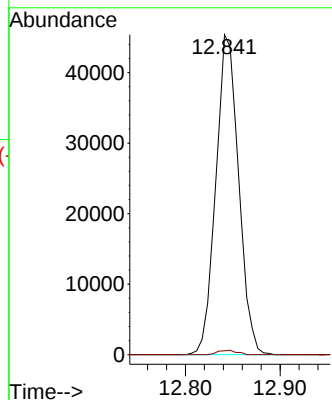
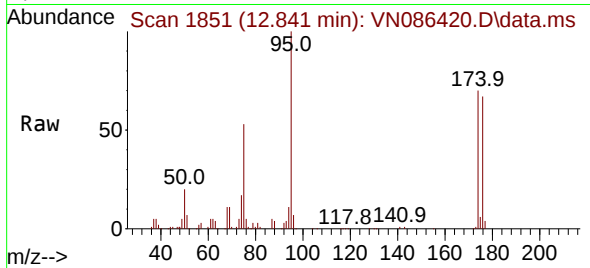




#76
1,2,3-Trichloropropane
Concen: 23.843 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.153 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#17

Tgt Ion: 75 Resp: 75890
Ion Ratio Lower Upper
75 100
77 1.2 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.262 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.106 min
Lab File: VN086420.D
Acq: 29 Apr 2025 02:32

Tgt Ion: 75 Resp: 75890
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

