

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042825\
 Data File : VN086414.D
 Acq On : 28 Apr 2025 16:21
 Operator : JC\MD
 Sample : PB167744ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#11

Quant Time: Apr 29 01:55:40 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)

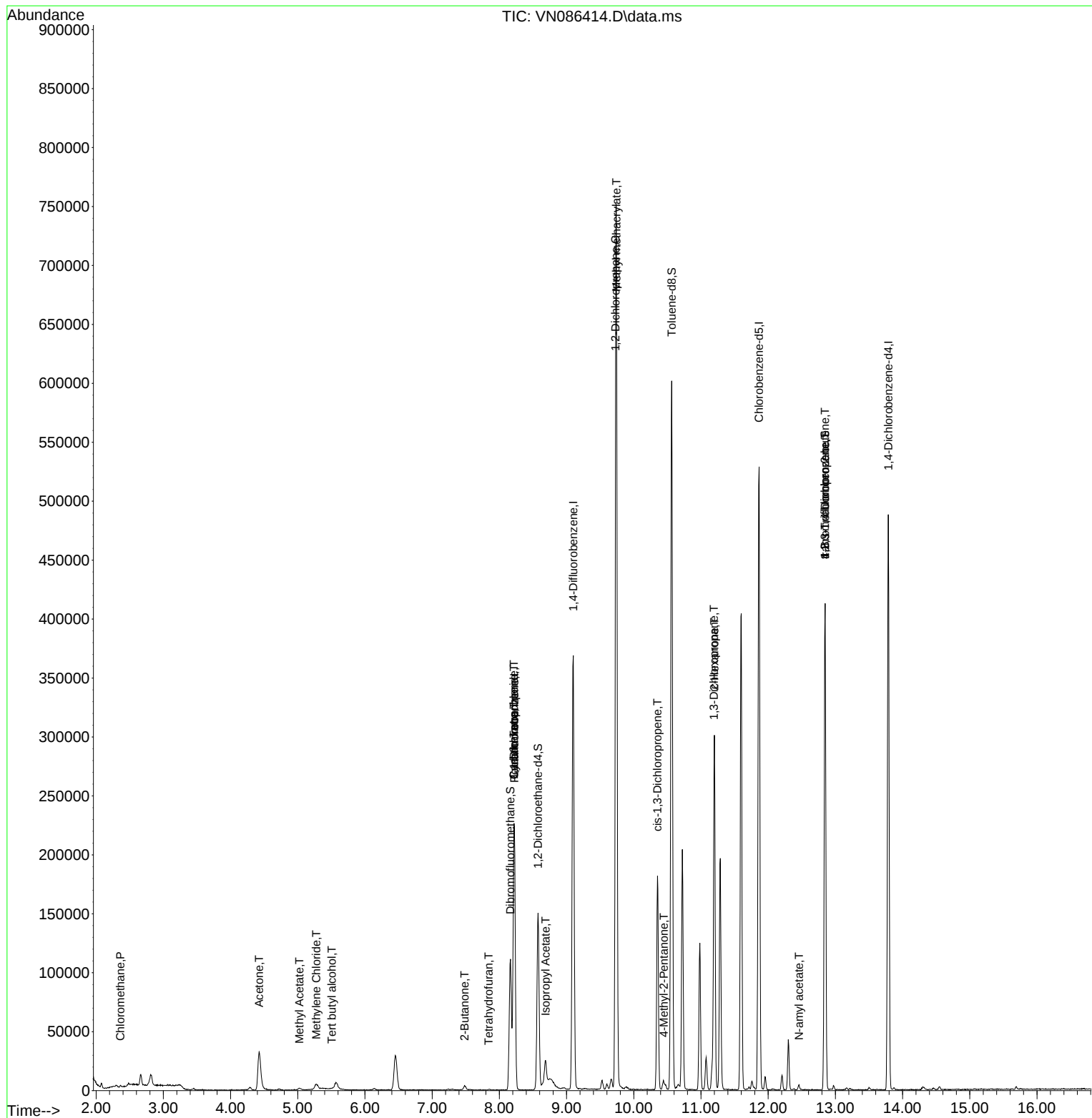
Internal Standards						
1) Pentafluorobenzene	8.224	168	169479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	327161	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	310316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	123279	50.162	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.320%			
35) Dibromofluoromethane	8.165	113	82154	54.106	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.220%			
50) Toluene-d8	10.565	98	416187	51.286	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.580%			
62) 4-Bromofluorobenzene	12.847	95	149573	50.533	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.060%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	930	0.319	ug/l	90
11) Tert butyl alcohol	5.506	59	584	1.302	ug/l #	72
13) Acrolein	4.171	56	108	Below Cal	#	13
16) Acetone	4.424	43	64641	72.013	ug/l	100
18) Methyl Acetate	5.024	43	3493	1.184	ug/l #	77
20) Methylene Chloride	5.277	84	3274	1.441	ug/l #	93
25) 2-Butanone	7.482	43	6660	4.354	ug/l	92
29) Tetrahydrofuran	7.841	42	693	0.677	ug/l #	32
31) Cyclohexane	8.218	56	4189	1.052	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14667	4.836	ug/l #	48
38) Carbon Tetrachloride	8.218	117	17743	6.143	ug/l #	16
43) Isopropyl Acetate	8.688	43	34463	4.226	ug/l #	80
45) 1,2-Dichloropropane	9.729	63	808	0.340	ug/l #	43
48) Methyl methacrylate	9.741	41	68780	24.530	ug/l #	43
51) 4-Methyl-2-Pentanone	10.447	43	4890	1.496	ug/l	99
54) cis-1,3-Dichloropropene	10.353	75	34703	8.648	ug/l #	60
57) 1,3-Dichloropropane	11.194	76	3154	0.815	ug/l #	43
59) 2-Hexanone	11.200	43	60790	25.067	ug/l #	42
74) N-amyl acetate	12.459	43	3466	0.651	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	77180	25.035	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77180	60.125	ug/l #	10

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

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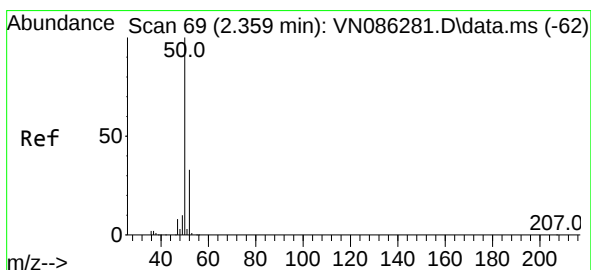
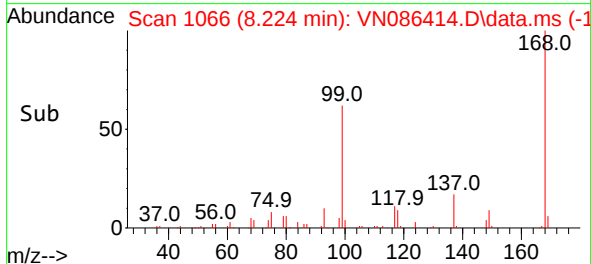
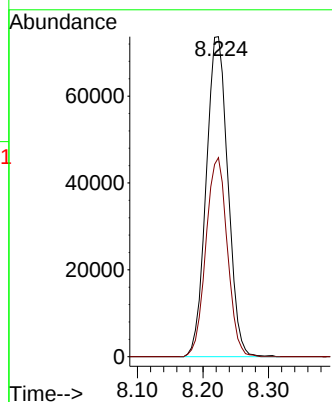
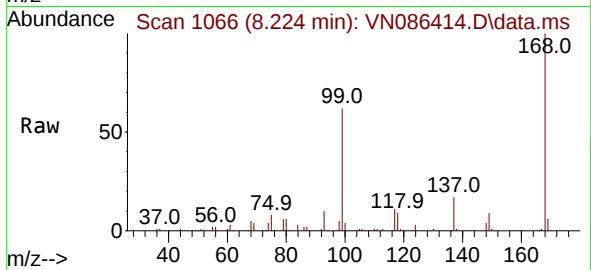




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

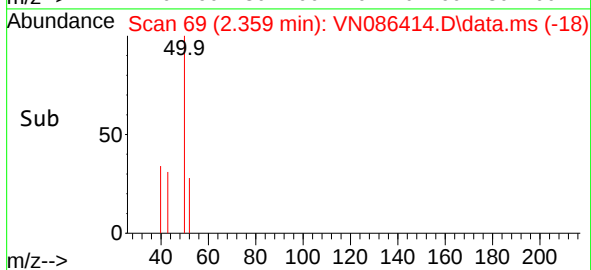
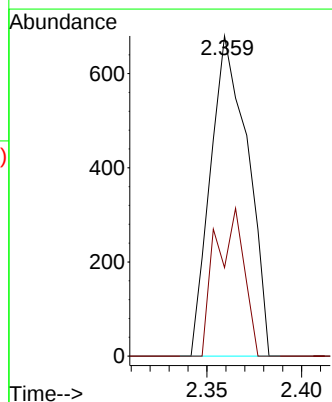
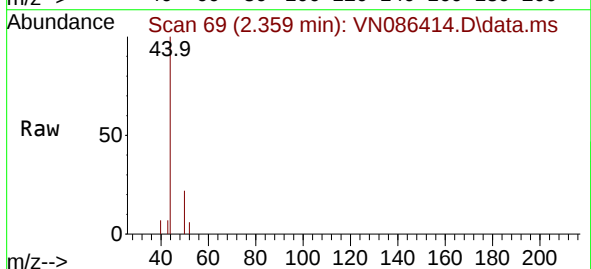
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#11

Tgt Ion:168 Resp: 169479
Ion Ratio Lower Upper
168 100
99 62.2 52.5 78.7



#3
Chloromethane
Concen: 0.319 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

Tgt Ion: 50 Resp: 930
Ion Ratio Lower Upper
50 100
52 27.6 26.5 39.7

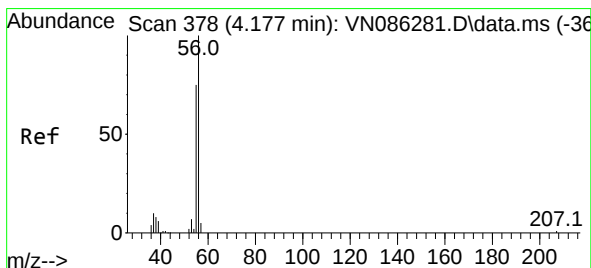
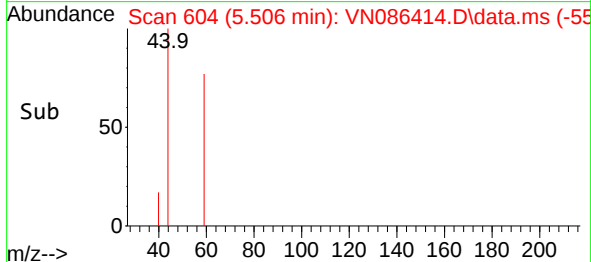
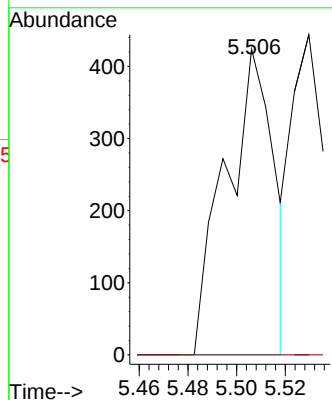
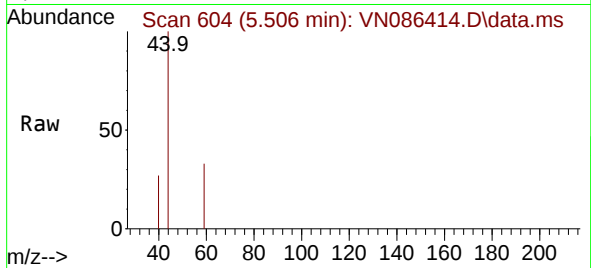




#11
Tert butyl alcohol
Concen: 1.302 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

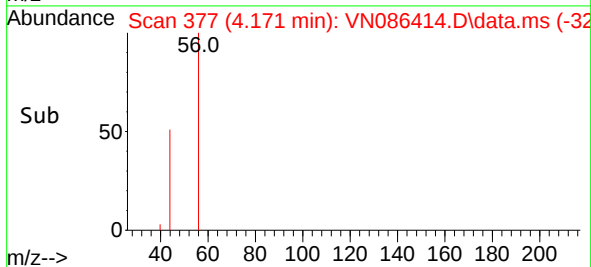
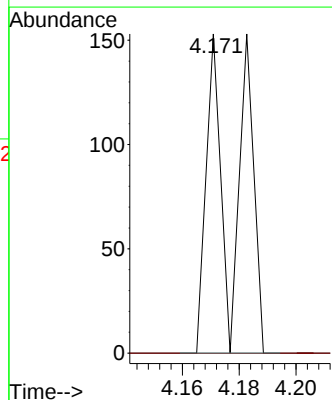
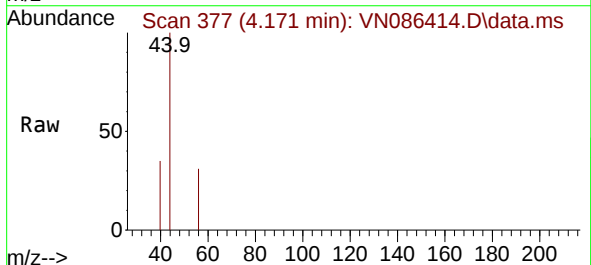
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#11

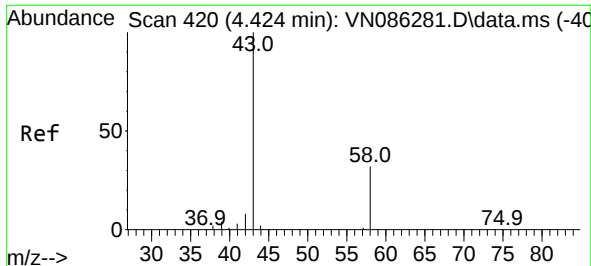
Tgt Ion: 59 Resp: 584
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

Tgt Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
55 0.0 58.5 87.7#

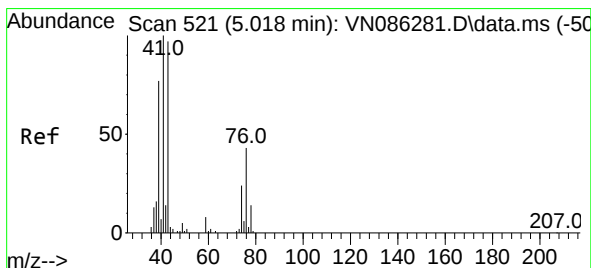
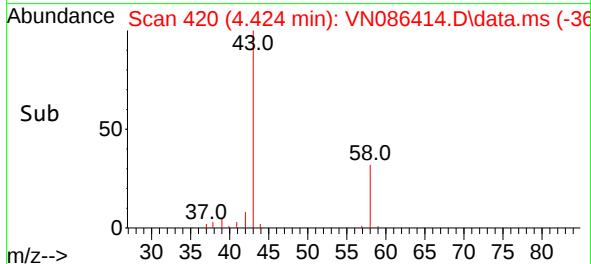
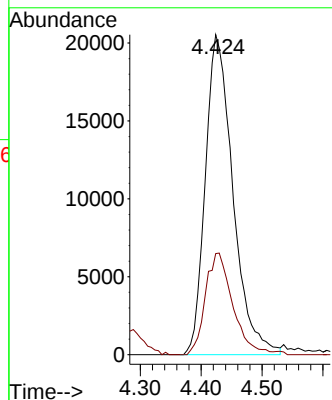
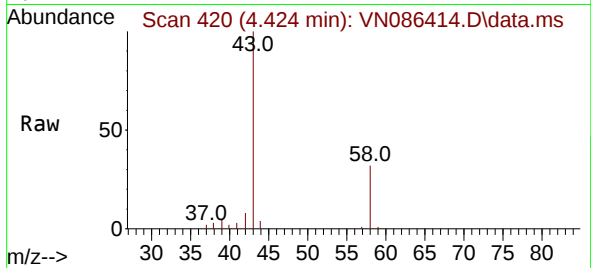




#16
Acetone
Concen: 72.013 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

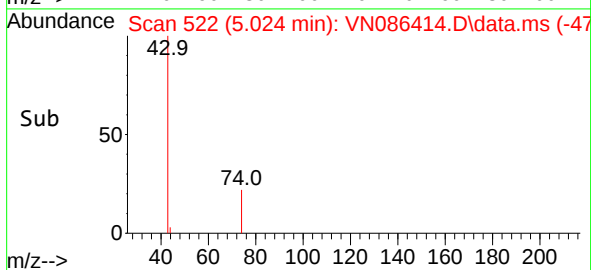
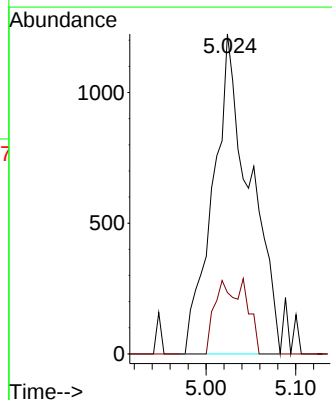
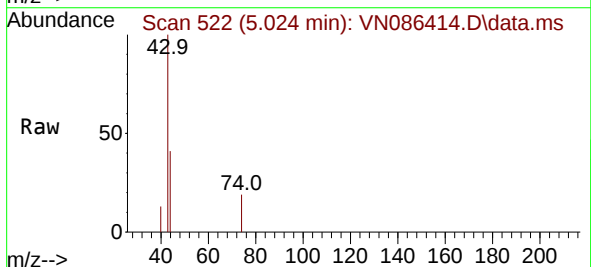
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#11

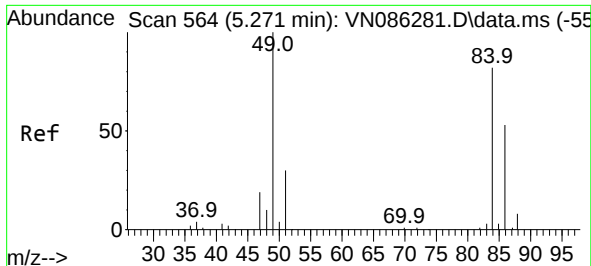
Tgt Ion: 43 Resp: 64641
Ion Ratio Lower Upper
43 100
58 31.6 25.3 37.9



#18
Methyl Acetate
Concen: 1.184 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

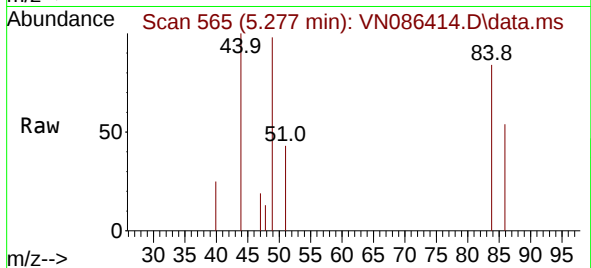
Tgt Ion: 43 Resp: 3493
Ion Ratio Lower Upper
43 100
74 13.2 19.8 29.6#



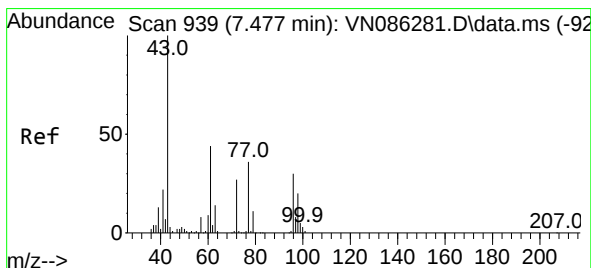
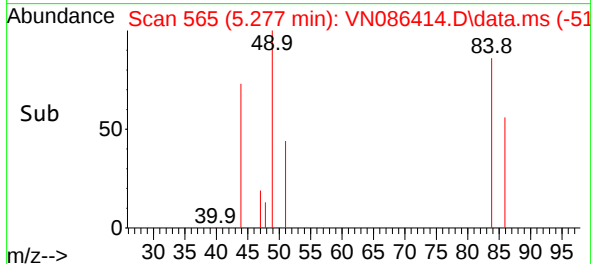
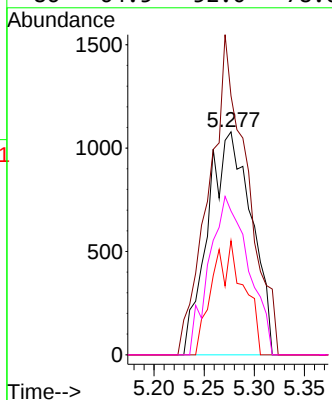


#20
Methylene Chloride
Concen: 1.441 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#11

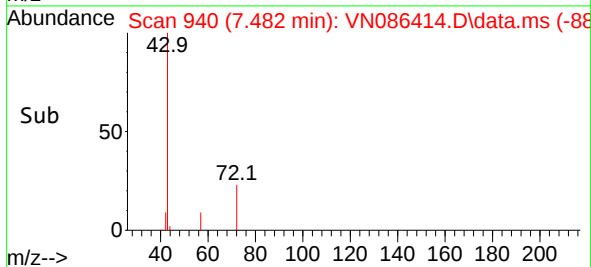
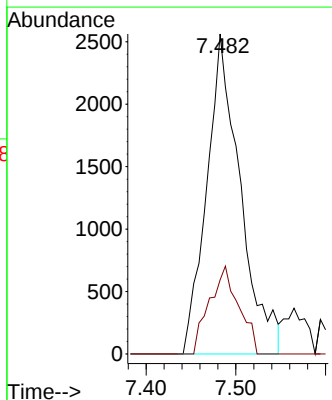
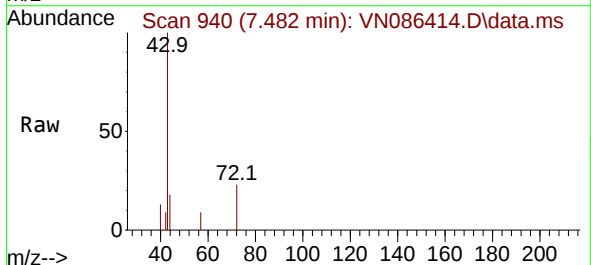


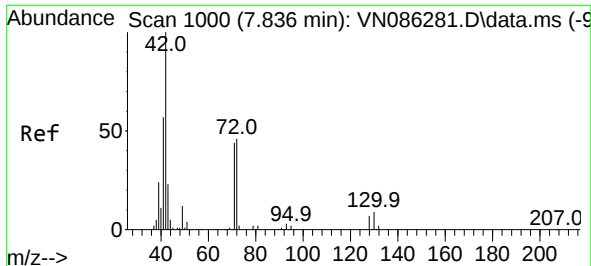
Tgt Ion:	84	Resp:	3274
Ion	Ratio	Lower	Upper
84	100		
49	116.1	98.2	147.2
51	51.2	29.8	44.6#
86	64.5	52.0	78.0



#25
2-Butanone
Concen: 4.354 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

Tgt Ion:	43	Resp:	6660
Ion	Ratio	Lower	Upper
43	100		
72	23.1	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.677 ug/l

RT: 7.841 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VN086414.D

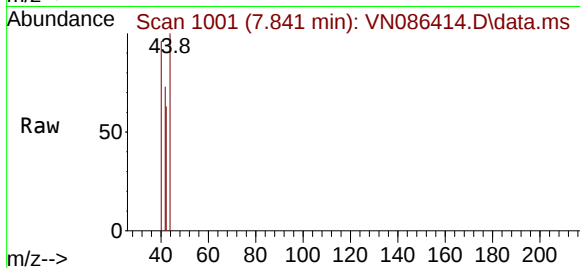
Acq: 28 Apr 2025 16:21

Instrument :

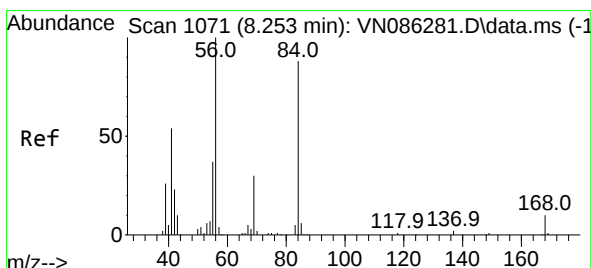
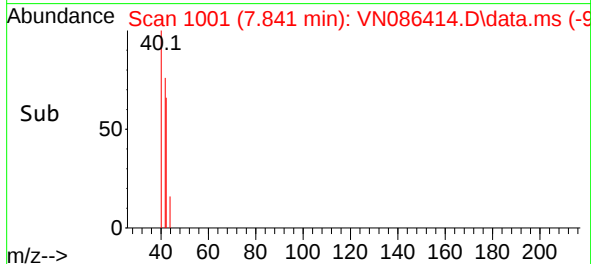
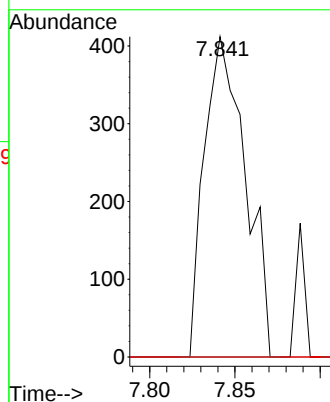
MSVOA_N

ClientSampleId :

PB167744ZHE#11



Tgt Ion:	42	Resp:	693
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.2	54.4#
71	0.0	34.0	51.0#



#31

Cyclohexane

Concen: 1.052 ug/l

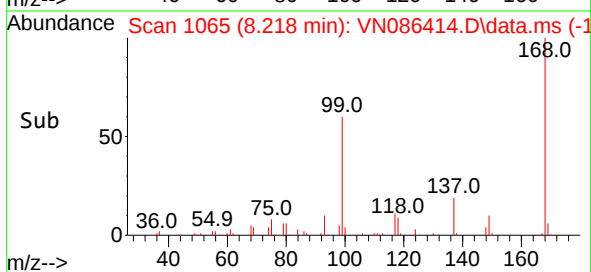
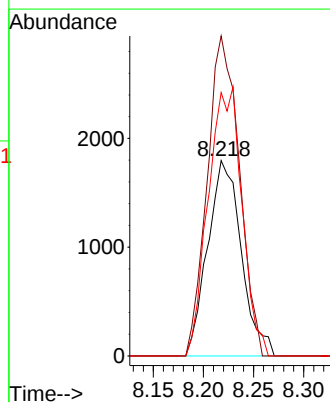
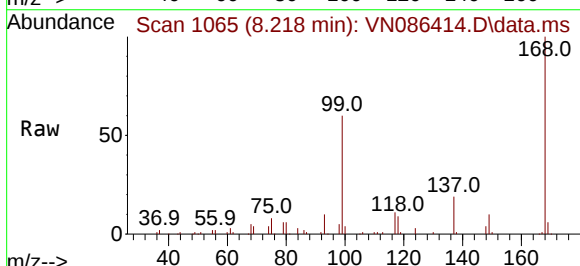
RT: 8.218 min Scan# 1065

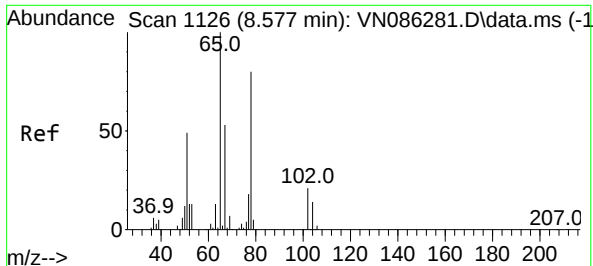
Delta R.T. -0.035 min

Lab File: VN086414.D

Acq: 28 Apr 2025 16:21

Tgt Ion:	56	Resp:	4189
Ion	Ratio	Lower	Upper
56	100		
69	163.8	24.2	36.2#
84	134.9	70.3	105.5#





#33

1,2-Dichloroethane-d4

Concen: 50.162 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086414.D

Acq: 28 Apr 2025 16:21

Instrument :

MSVOA_N

ClientSampleId :

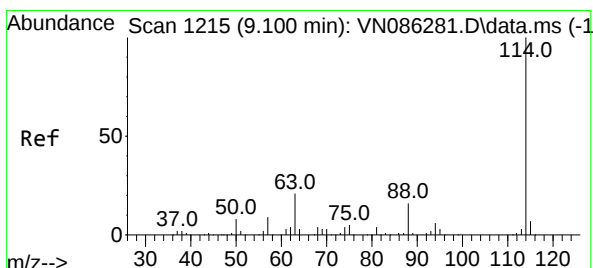
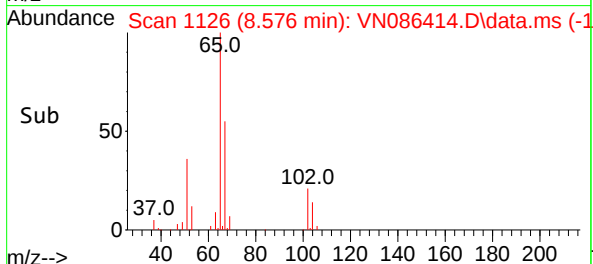
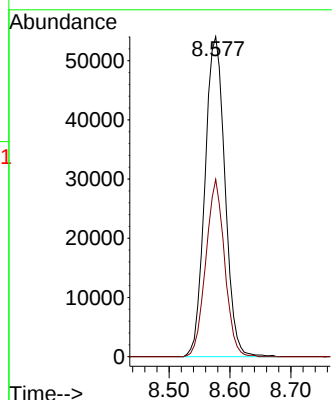
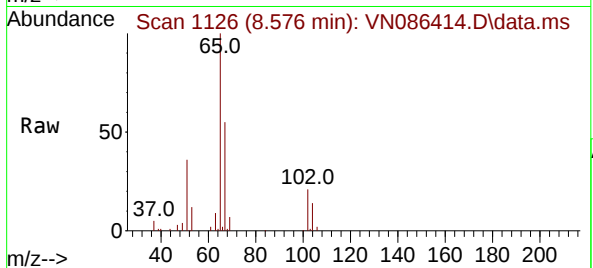
PB167744ZHE#11

Tgt Ion: 65 Resp: 123279

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086414.D

Acq: 28 Apr 2025 16:21

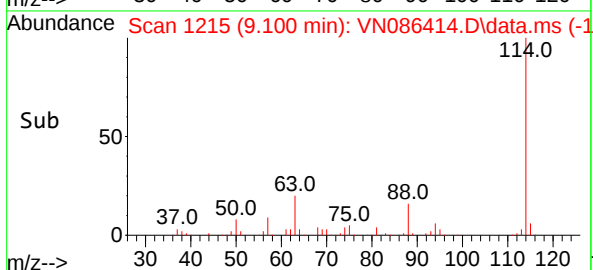
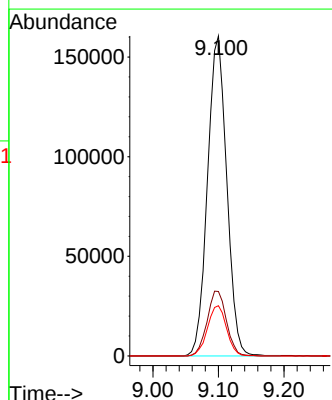
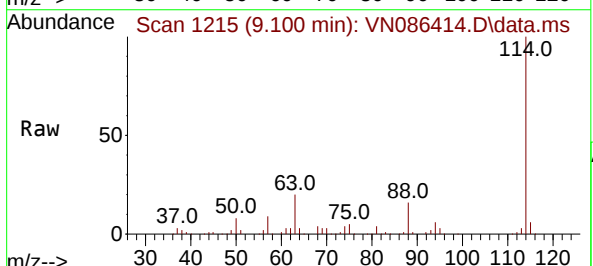
Tgt Ion: 114 Resp: 327161

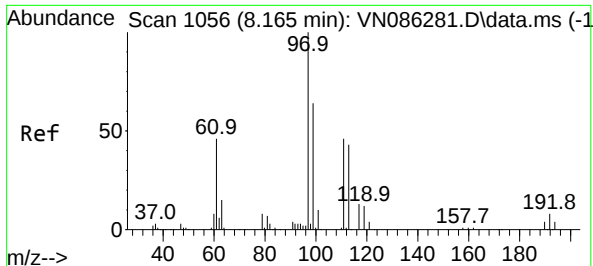
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 54.106 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086414.D

Acq: 28 Apr 2025 16:21

Instrument :

MSVOA_N

ClientSampleId :

PB167744ZHE#11

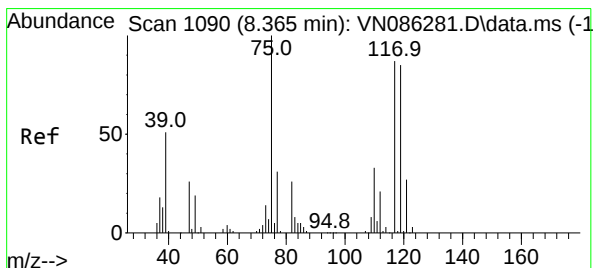
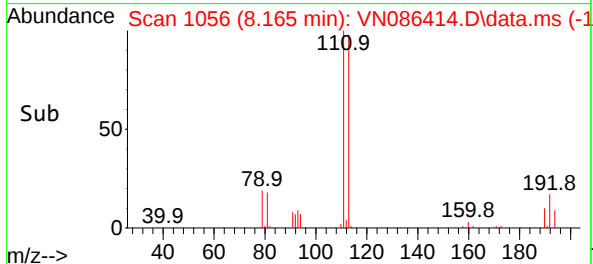
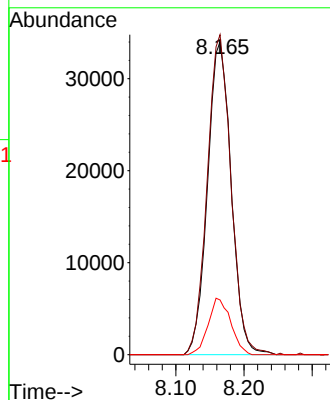
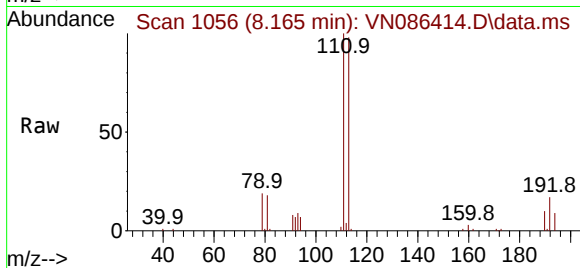
Tgt Ion:113 Resp: 82154

Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.0

192 17.2 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.836 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086414.D

Acq: 28 Apr 2025 16:21

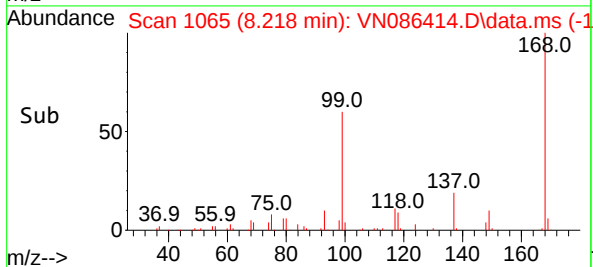
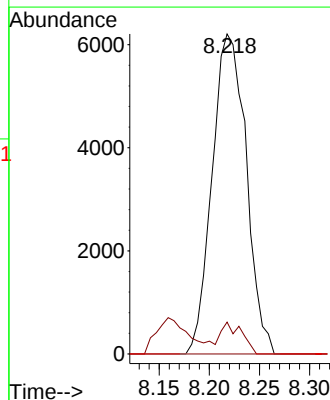
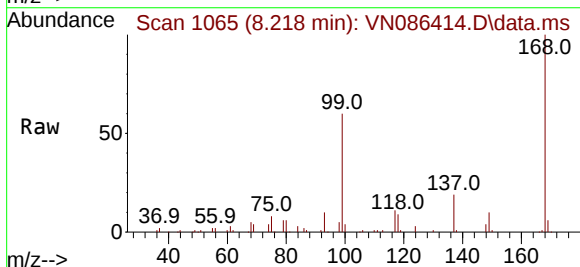
Tgt Ion: 75 Resp: 14667

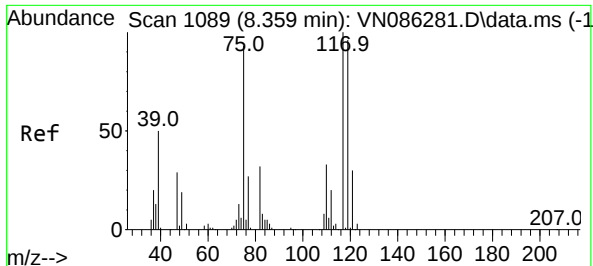
Ion Ratio Lower Upper

75 100

110 6.0 16.8 50.4#

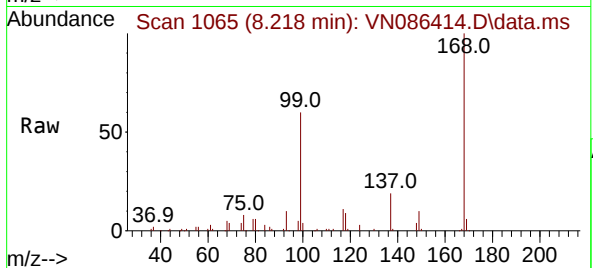
77 0.0 24.9 37.3#



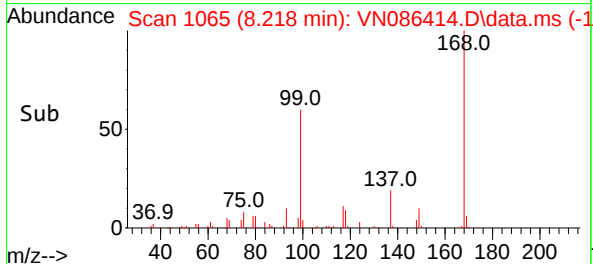
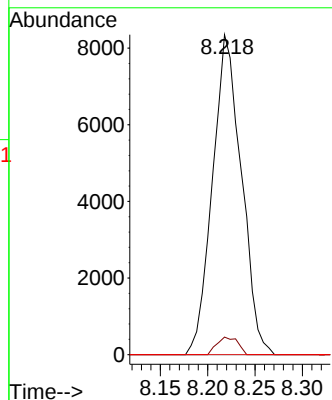


#38
Carbon Tetrachloride
Concen: 6.143 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#11

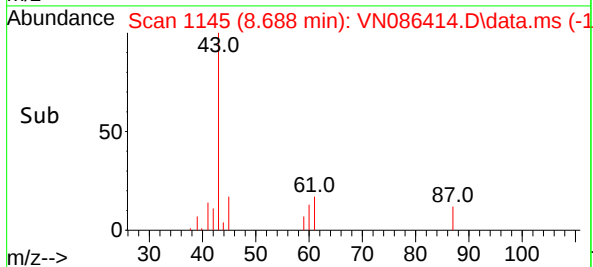
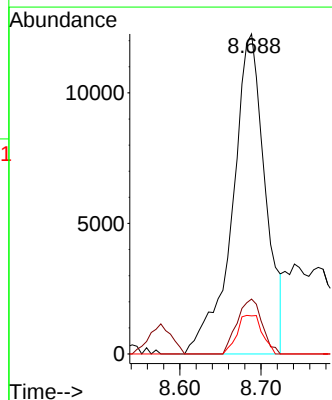
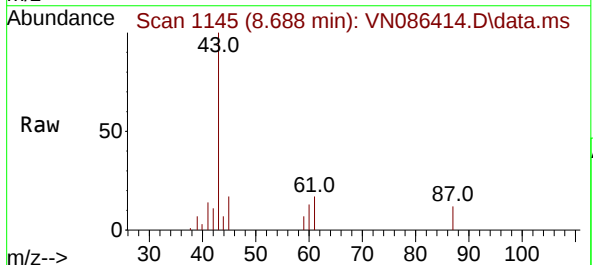


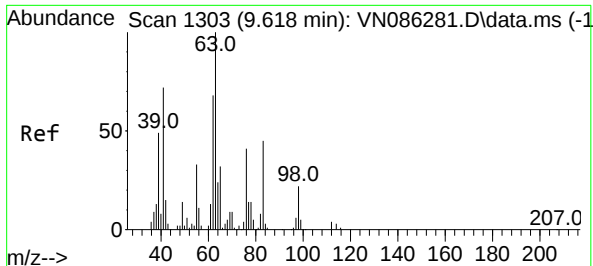
Tgt Ion:117 Resp: 17743
Ion Ratio Lower Upper
117 100
119 5.5 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 4.226 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

Tgt Ion: 43 Resp: 34463
Ion Ratio Lower Upper
43 100
61 13.0 20.5 30.7#
87 9.1 10.5 15.7#

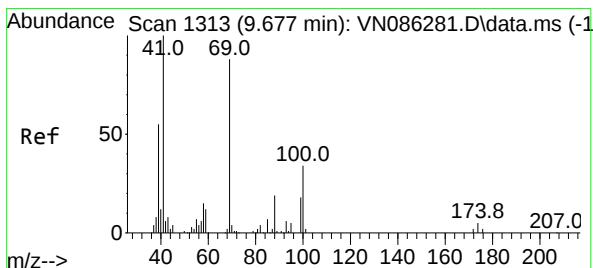
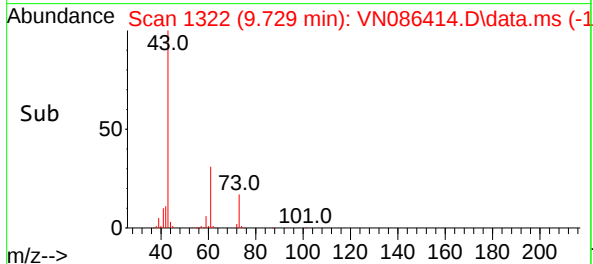
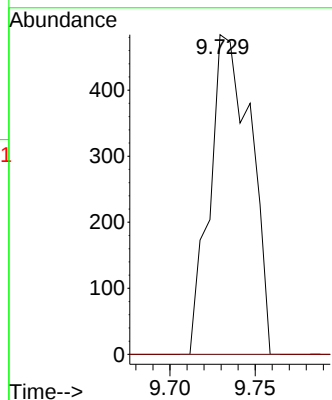
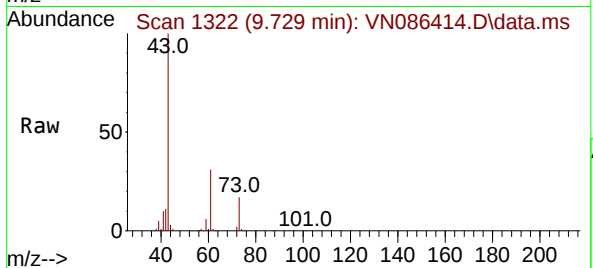




#45
1,2-Dichloropropane
Concen: 0.340 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.112 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

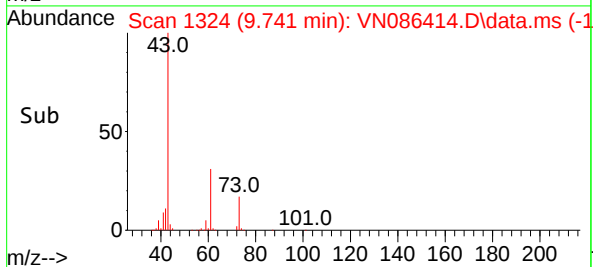
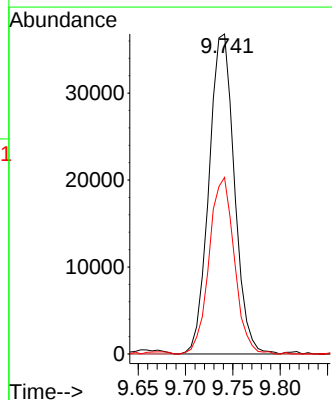
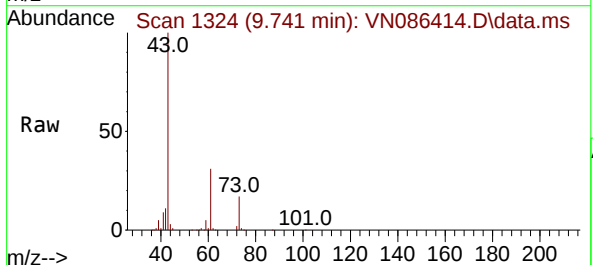
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#11

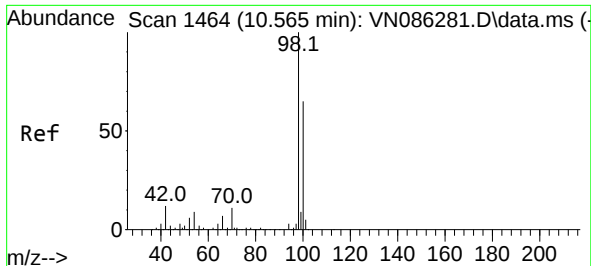
Tgt Ion: 63 Resp: 808
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#



#48
Methyl methacrylate
Concen: 24.530 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.065 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

Tgt Ion: 41 Resp: 68780
Ion Ratio Lower Upper
41 100
69 0.0 68.2 102.2#
39 54.6 45.2 67.8

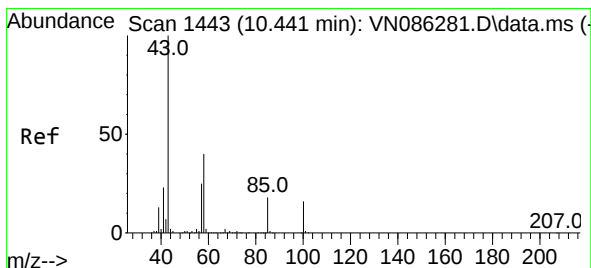
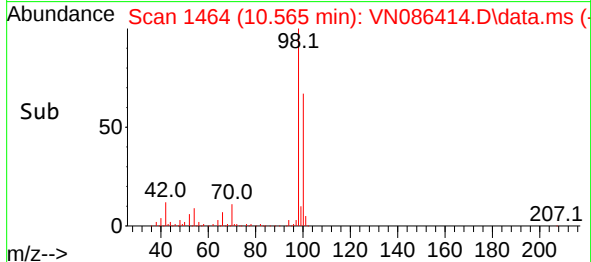
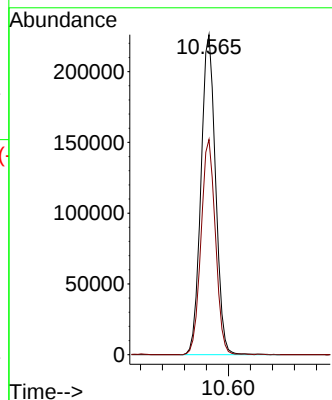
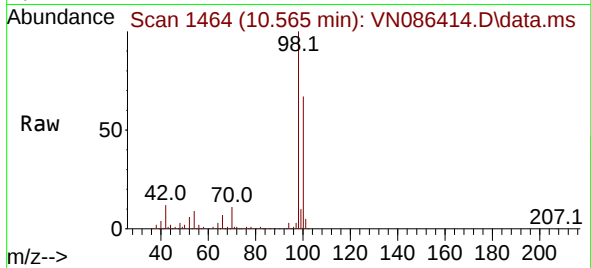




#50
Toluene-d8
Concen: 51.286 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

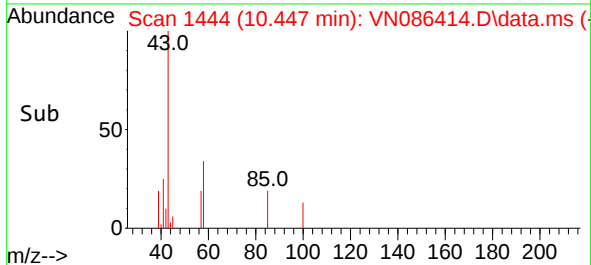
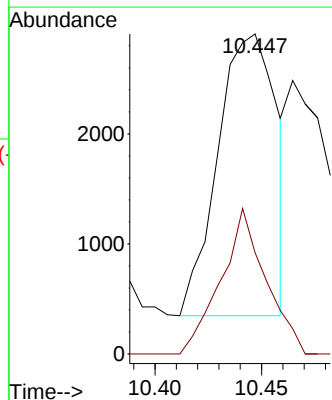
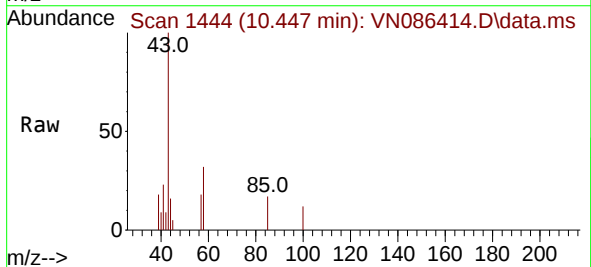
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#11

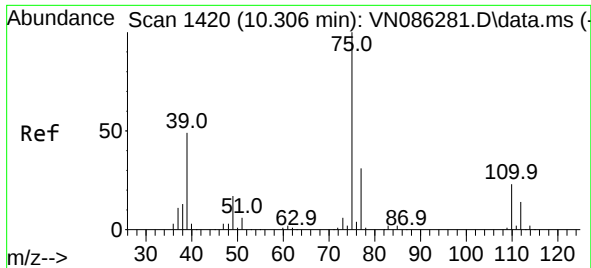
Tgt Ion: 98 Resp: 416187
Ion Ratio Lower Upper
98 100
100 66.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.496 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

Tgt Ion: 43 Resp: 4890
Ion Ratio Lower Upper
43 100
58 39.6 32.2 48.4

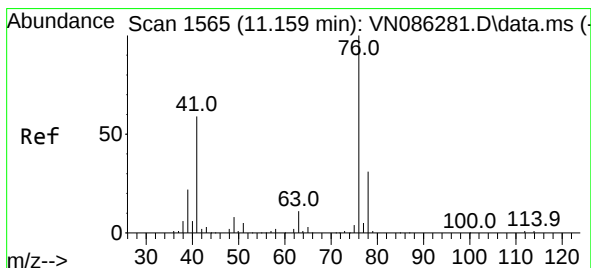
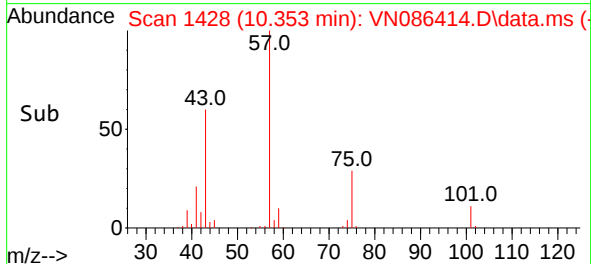
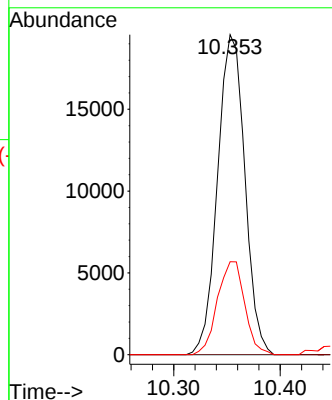
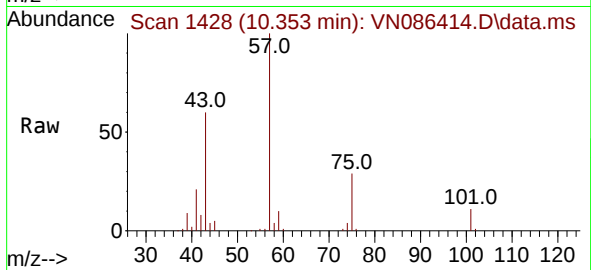




#54
 cis-1,3-Dichloropropene
 Concen: 8.648 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN086414.D
 Acq: 28 Apr 2025 16:21

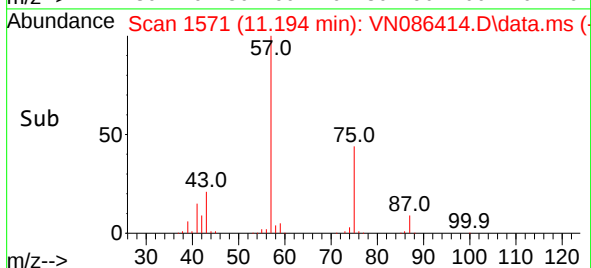
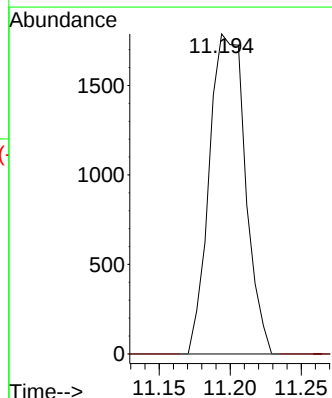
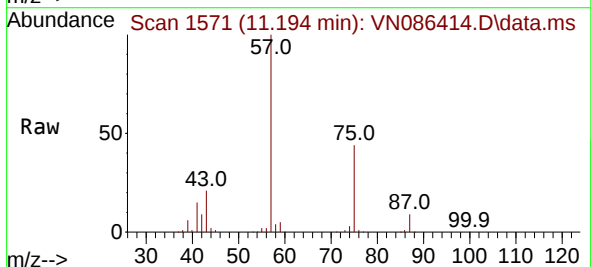
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#11

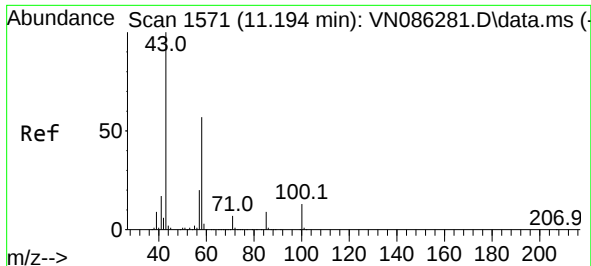
Tgt Ion: 75 Resp: 34703
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 29.1 39.3 58.9#



#57
 1,3-Dichloropropane
 Concen: 0.815 ug/l
 RT: 11.194 min Scan# 1571
 Delta R.T. 0.035 min
 Lab File: VN086414.D
 Acq: 28 Apr 2025 16:21

Tgt Ion: 76 Resp: 3154
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

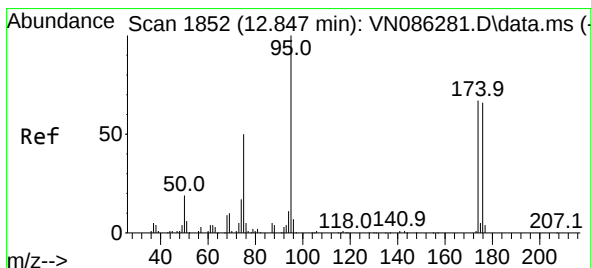
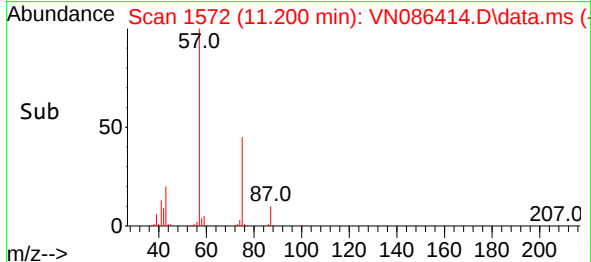
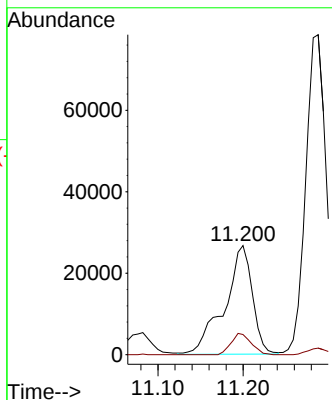
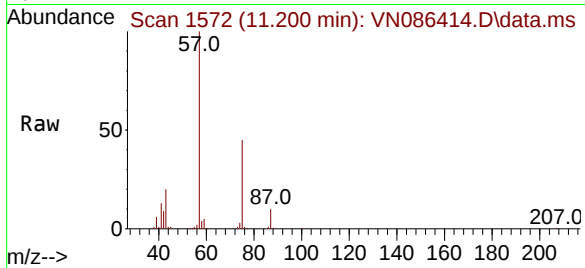




#59
2-Hexanone
Concen: 25.067 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

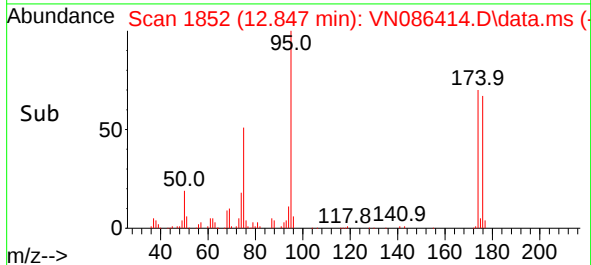
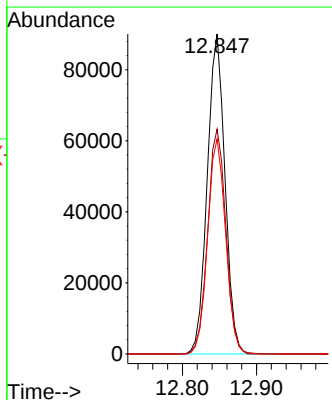
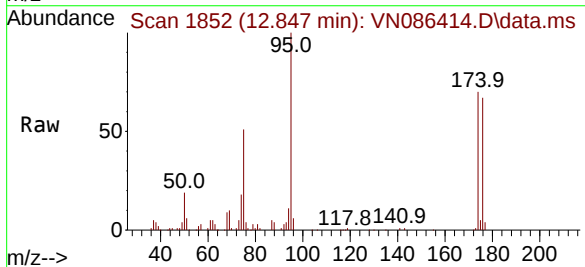
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#11

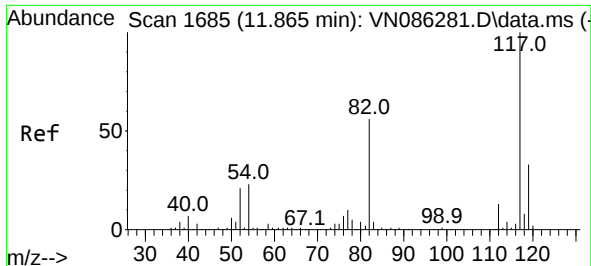
Tgt Ion: 43 Resp: 60790
Ion Ratio Lower Upper
43 100
58 14.0 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 50.533 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

Tgt Ion: 95 Resp: 149573
Ion Ratio Lower Upper
95 100
174 72.0 0.0 133.4
176 68.1 0.0 129.2

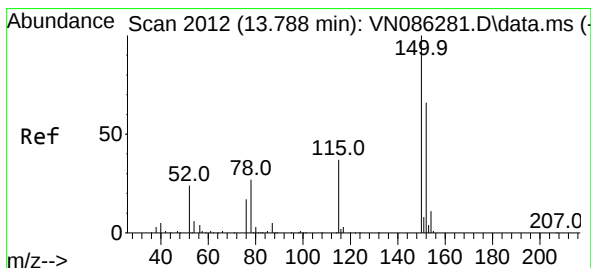
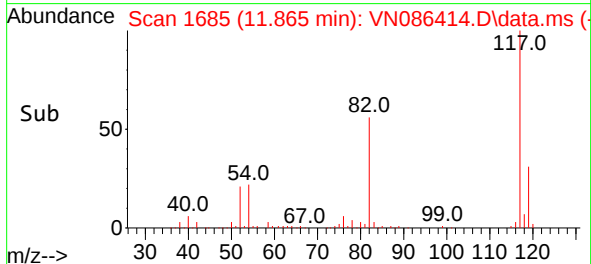
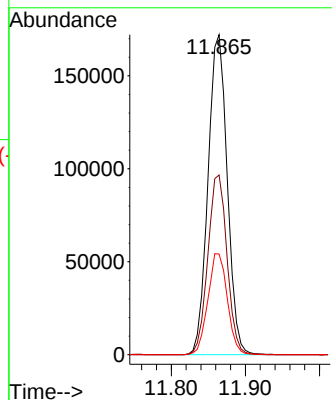
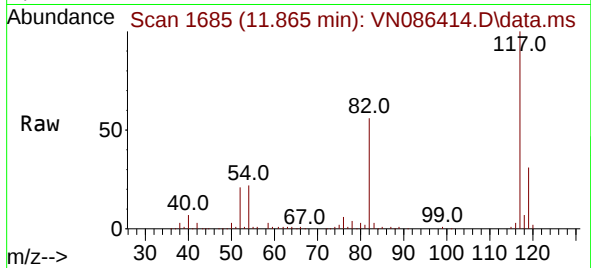




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

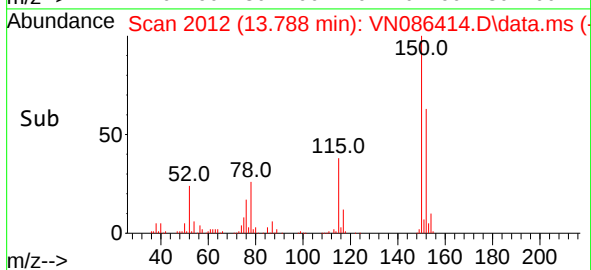
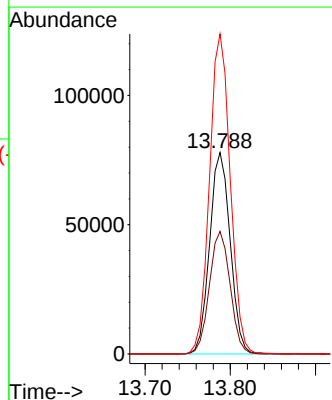
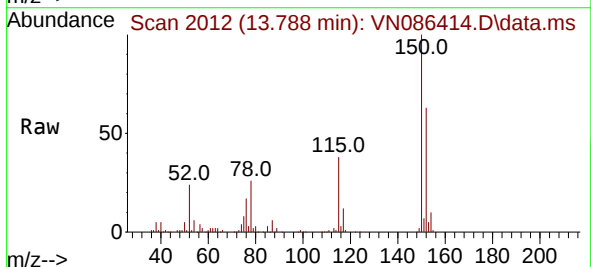
Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#11

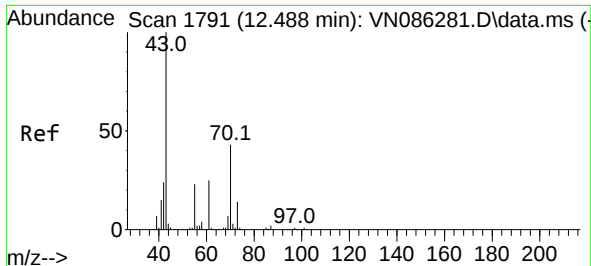
Tgt Ion:117 Resp: 310316
Ion Ratio Lower Upper
117 100
82 56.1 44.7 67.1
119 31.5 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

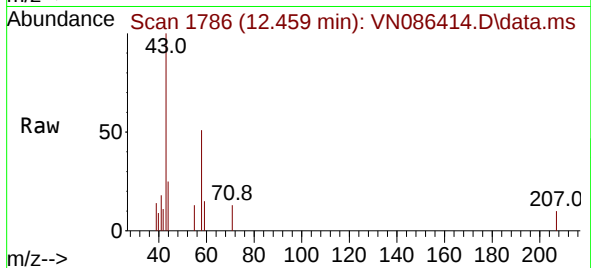
Tgt Ion:152 Resp: 130639
Ion Ratio Lower Upper
152 100
115 61.2 31.9 95.9
150 160.1 0.0 352.0



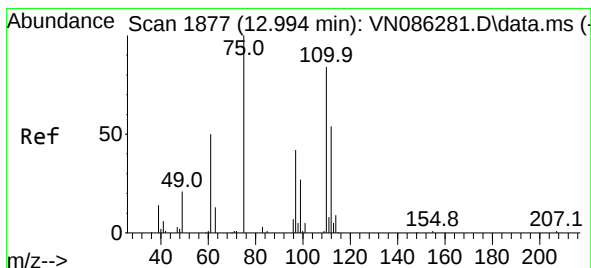
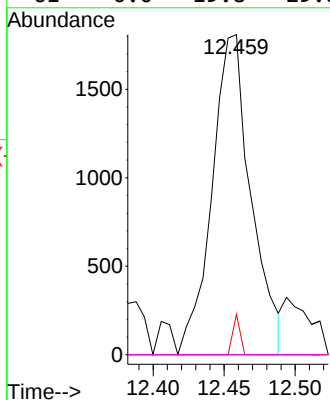
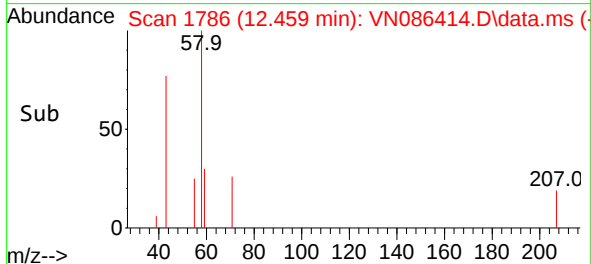


#74
N-amy1 acetate
Concen: 0.651 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

Instrument :
MSVOA_N
ClientSampleId :
PB167744ZHE#11

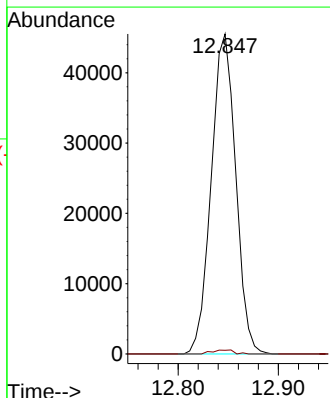
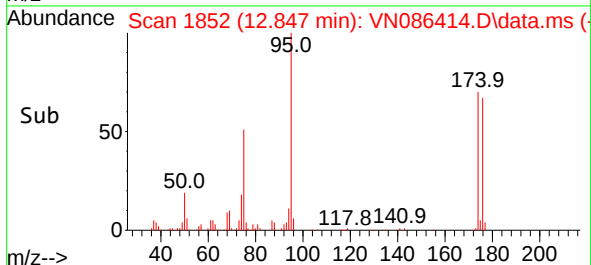
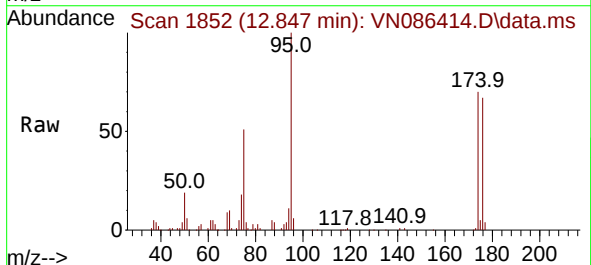


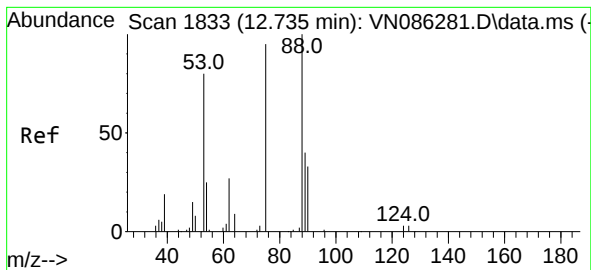
Tgt Ion: 43	Resp:	3466	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	35.0	52.4#
55	2.3	19.0	28.4#
61	0.0	19.8	29.8#



#76
1,2,3-Trichloropropane
Concen: 25.035 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086414.D
Acq: 28 Apr 2025 16:21

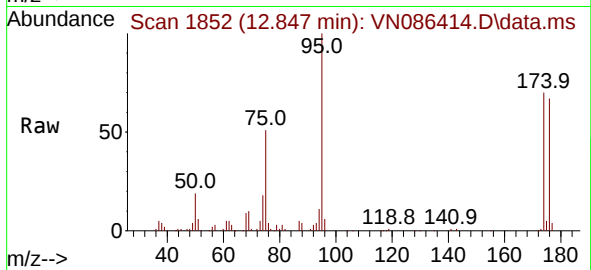
Tgt Ion: 75	Resp: 77180
Ion Ratio	Lower Upper
75 100	
77 1.1	98.8 296.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.125 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086414.D
 Acq: 28 Apr 2025 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744ZHE#11



Tgt Ion: 75 Resp: 77180
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.1 35.7 53.5#

