

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077407.D
 Acq On : 20 Apr 2023 17:59
 Operator : JC\MD
 Sample : PB152269TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152269TB

Quant Time: Apr 21 02:41:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

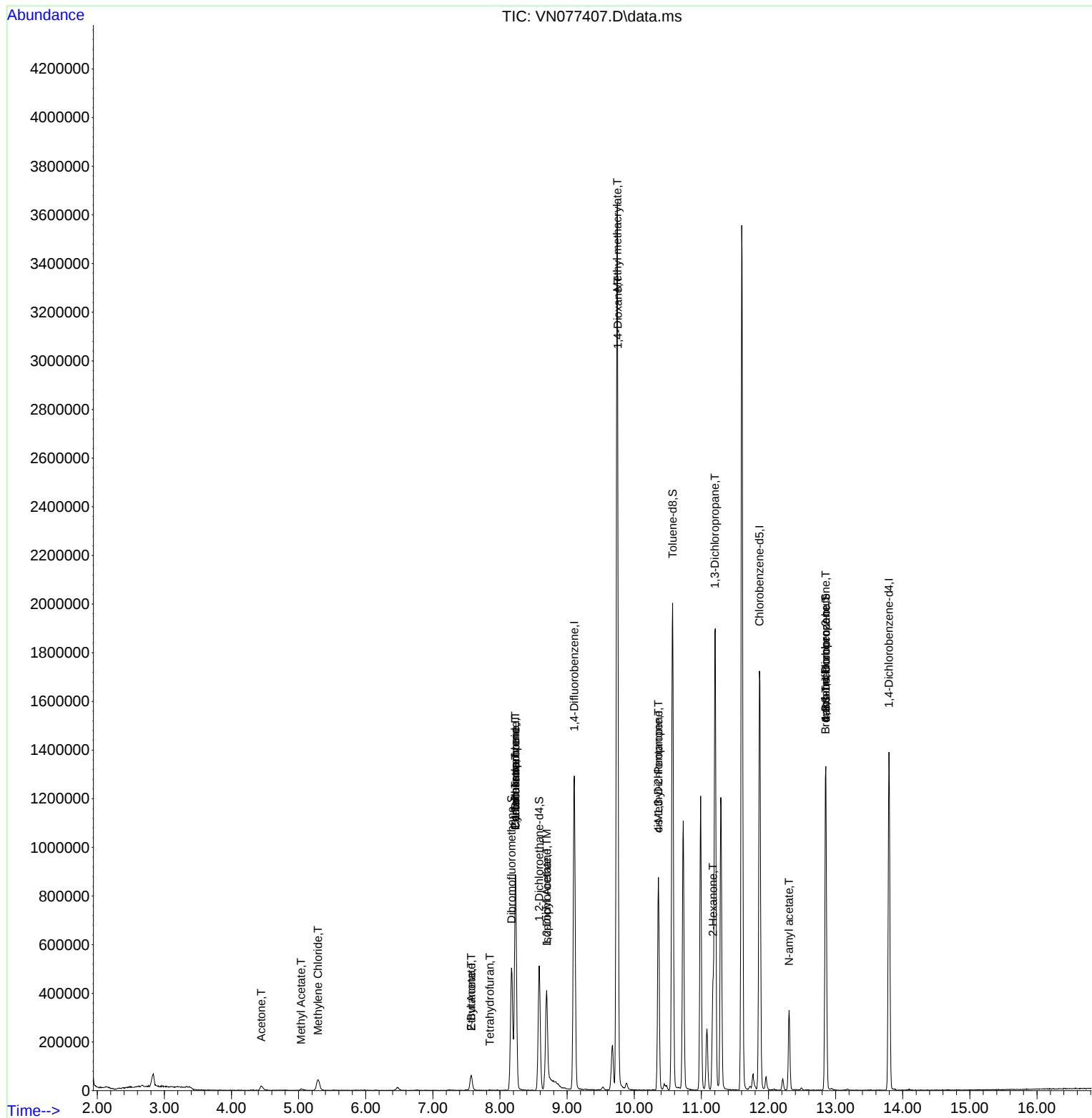
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	629923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1199193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1079473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	377363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	394101	45.776	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.560%		
35) Dibromofluoromethane	8.172	113	364187	47.440	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.880%		
50) Toluene-d8	10.571	98	1443725	46.716	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.440%		
62) 4-Bromofluorobenzene	12.854	95	479294	46.631	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.260%		
Target Compounds						
					Qvalue	
16) Acetone	4.442	43	33367	10.512	ug/l	100
18) Methyl Acetate	5.037	43	10033	0.830	ug/l #	89
20) Methylene Chloride	5.289	84	40159	4.480	ug/l	93
25) 2-Butanone	7.572	43	89001	17.276	ug/l #	41
29) Tetrahydrofuran	7.848	42	896	0.271	ug/l #	45
31) Cyclohexane	8.230	56	14179	1.060	ug/l #	20
36) 1,1-Dichloropropene	8.230	75	53792	4.738	ug/l #	49
37) Ethyl Acetate	7.572	43	89001	8.761	ug/l #	94
38) Carbon Tetrachloride	8.230	117	67775	5.826	ug/l #	14
42) 1,2-Dichloroethane	8.695	62	3426	0.314	ug/l #	73
43) Isopropyl Acetate	8.695	43	486933	25.977	ug/l #	87
48) Methyl methacrylate	9.748	41	319686	39.978	ug/l #	33
49) 1,4-Dioxane	9.754	88	814	4.199	ug/l #	1
51) 4-Methyl-2-Pentanone	10.360	43	298698	27.568	ug/l #	43
54) cis-1,3-Dichloropropene	10.360	75	187720	12.813	ug/l #	59
57) 1,3-Dichloropropane	11.201	76	22836	1.519	ug/l #	42
59) 2-Hexanone	11.171	43	316069	39.156	ug/l #	20
71) Bromoform	12.848	173	1783	0.282	ug/l #	1
74) N-amyl acetate	12.307	43	95159	6.851	ug/l #	48
76) 1,2,3-Trichloropropane	12.854	75	254382	28.309	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	254382	63.704	ug/l #	13

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

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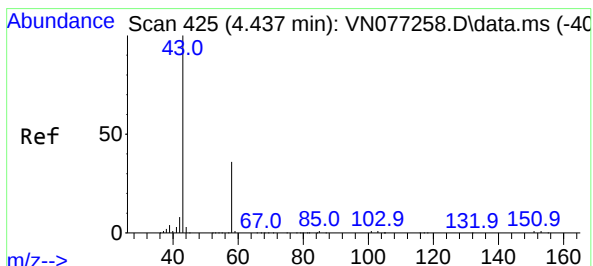
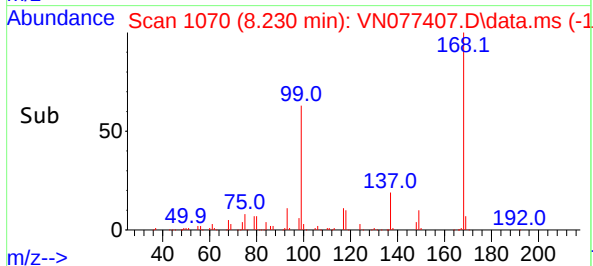
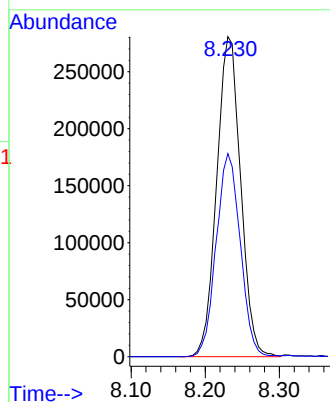
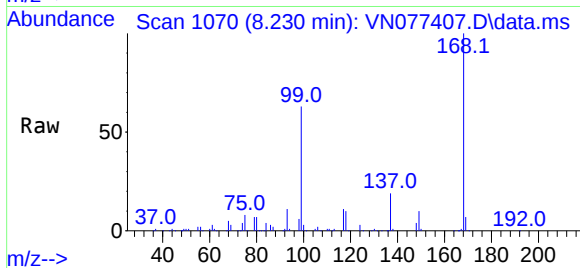




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.001 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

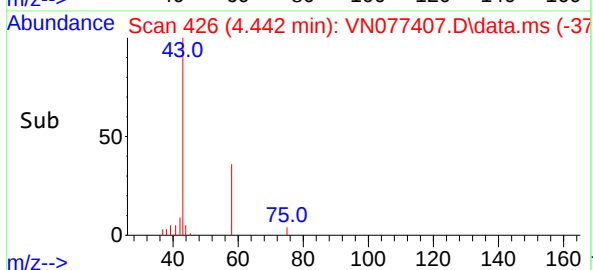
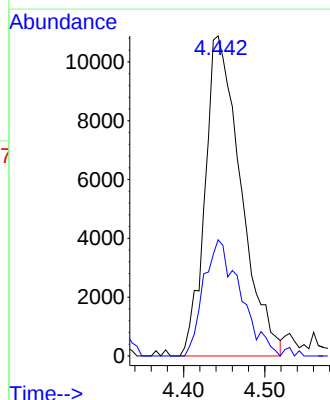
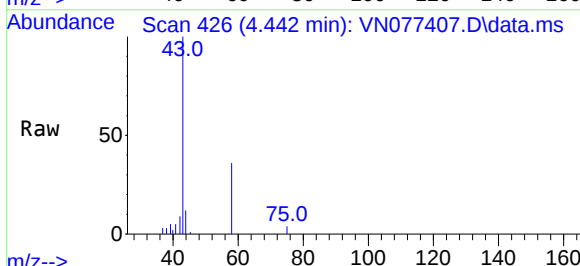
Instrument :
MSVOA_N
ClientSampleId :
PB152269TB

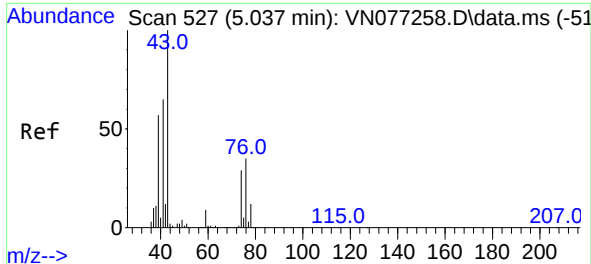
Tgt Ion:168 Resp: 629923
Ion Ratio Lower Upper
168 100
99 63.4 50.6 75.8



#16
Acetone
Concen: 10.512 ug/l
RT: 4.442 min Scan# 426
Delta R.T. 0.005 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

Tgt Ion: 43 Resp: 33367
Ion Ratio Lower Upper
43 100
58 36.3 29.0 43.6





#18

Methyl Acetate

Concen: 0.830 ug/l

RT: 5.037 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN077407.D

Acq: 20 Apr 2023 17:59

Instrument :

MSVOA_N

ClientSampleId :

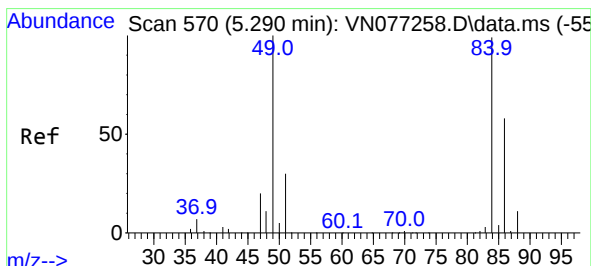
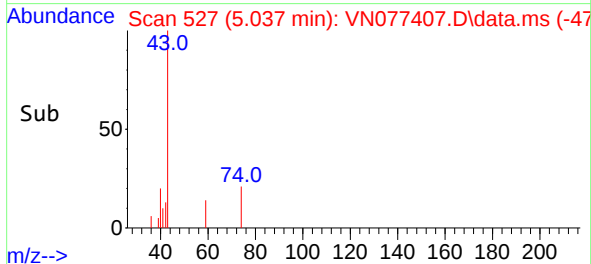
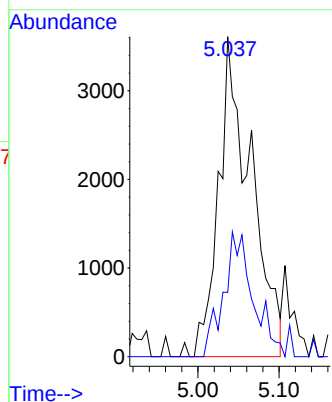
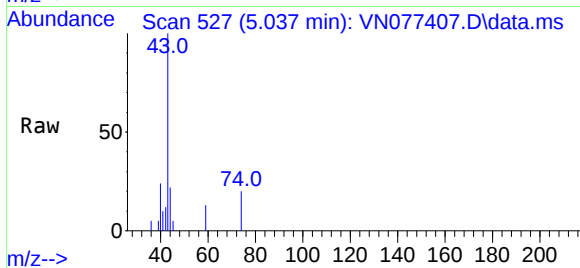
PB152269TB

Tgt Ion: 43 Resp: 10033

Ion Ratio Lower Upper

43 100

74 35.5 23.4 35.2#



#20

Methylene Chloride

Concen: 4.480 ug/l

RT: 5.289 min Scan# 570

Delta R.T. -0.001 min

Lab File: VN077407.D

Acq: 20 Apr 2023 17:59

Tgt Ion: 84 Resp: 40159

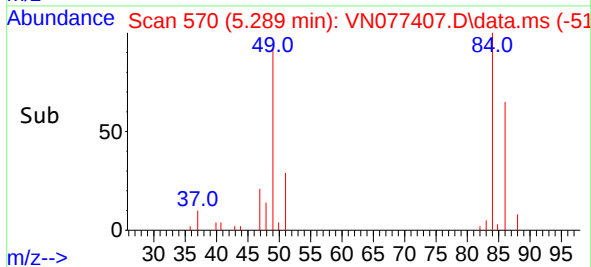
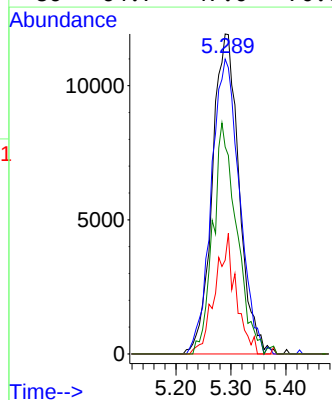
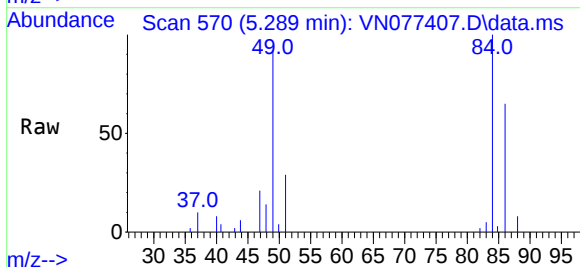
Ion Ratio Lower Upper

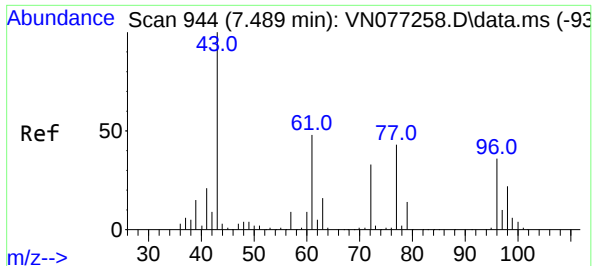
84 100

49 92.2 80.6 121.0

51 29.3 24.4 36.6

86 64.7 47.0 70.6





#25

2-Butanone

Concen: 17.276 ug/l

RT: 7.572 min Scan# 91

Delta R.T. 0.083 min

Lab File: VN077407.D

Acq: 20 Apr 2023 17:59

Instrument :

MSVOA_N

ClientSampleId :

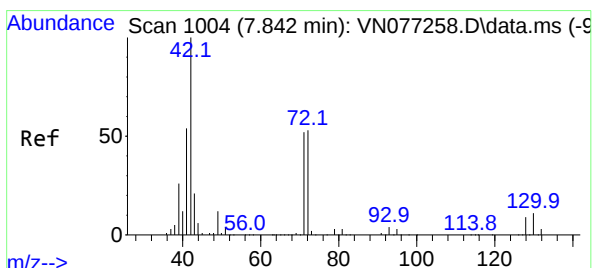
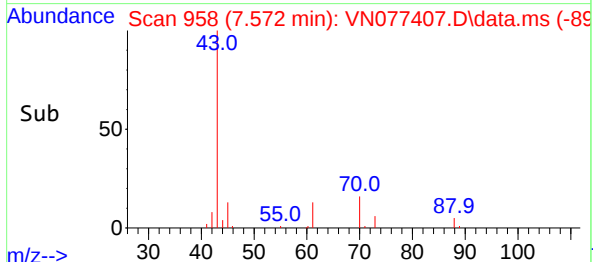
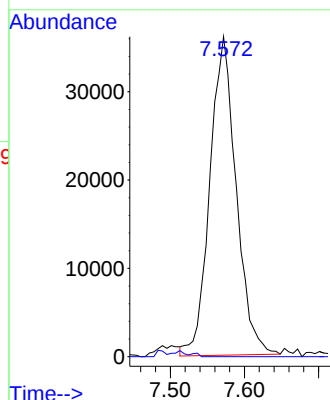
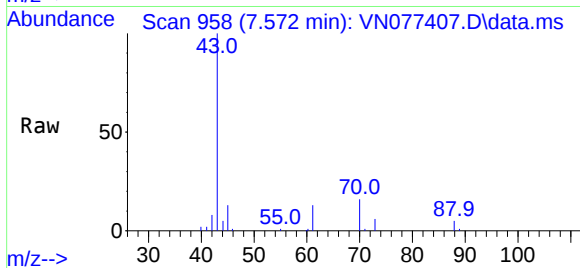
PB152269TB

Tgt Ion: 43 Resp: 89001

Ion Ratio Lower Upper

43 100

72 0.0 26.6 39.8#



#29

Tetrahydrofuran

Concen: 0.271 ug/l

RT: 7.848 min Scan# 1005

Delta R.T. 0.006 min

Lab File: VN077407.D

Acq: 20 Apr 2023 17:59

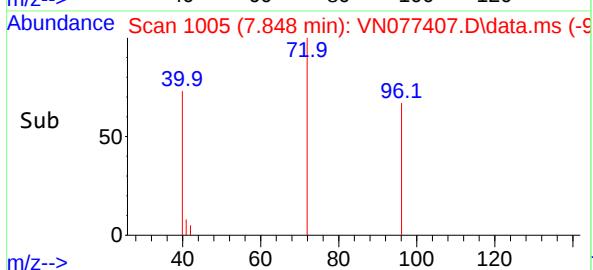
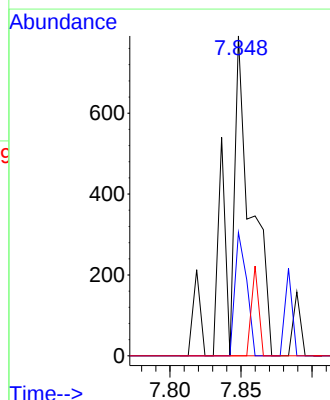
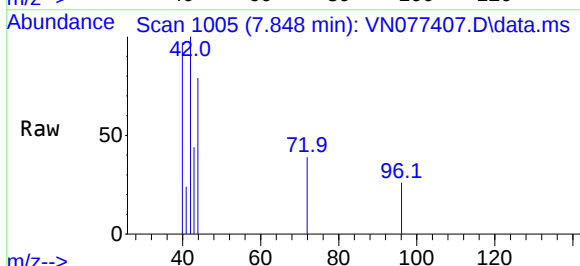
Tgt Ion: 42 Resp: 896

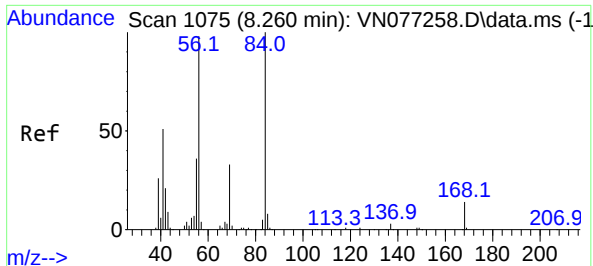
Ion Ratio Lower Upper

42 100

72 19.4 44.6 66.8#

71 8.7 41.3 61.9#





#31

Cyclohexane

Concen: 1.060 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.030 min

Lab File: VN077407.D

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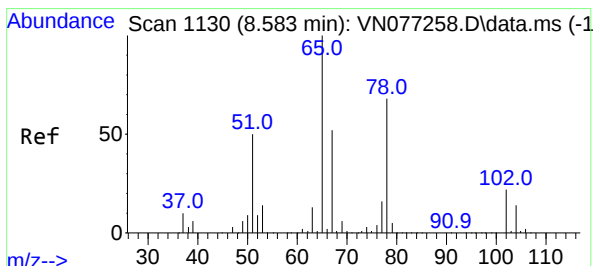
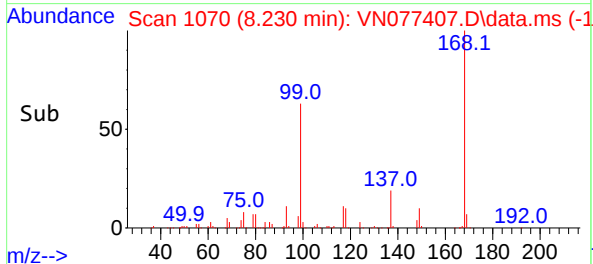
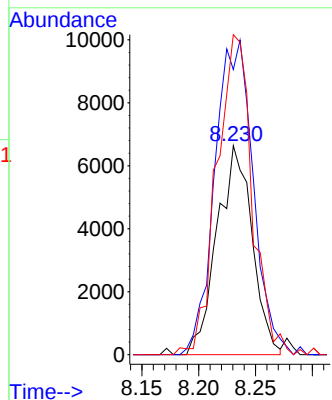
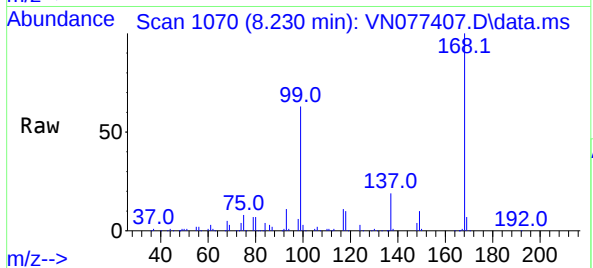
Tgt Ion: 56 Resp: 14179

Ion Ratio Lower Upper

56 100

69 136.5 26.6 40.0#

84 149.9 81.8 122.8#



#33

1,2-Dichloroethane-d4

Concen: 45.776 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077407.D

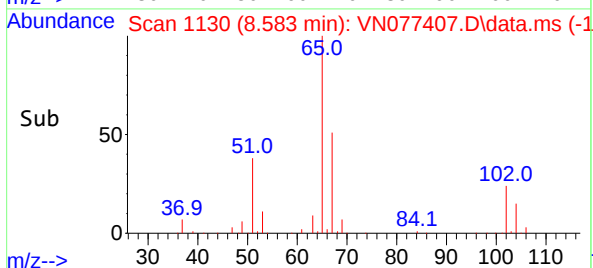
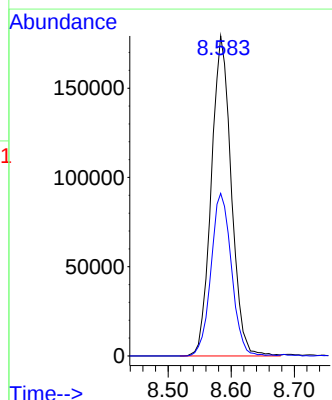
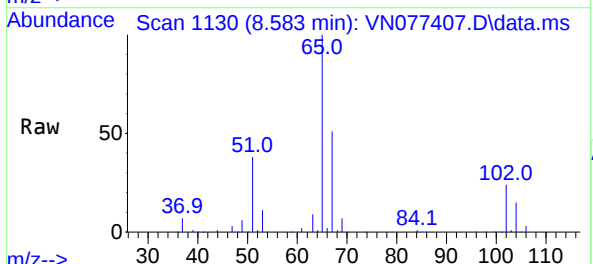
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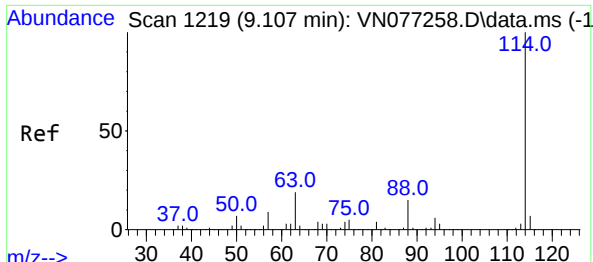
Tgt Ion: 65 Resp: 394101

Ion Ratio Lower Upper

65 100

67 52.0 0.0 108.8

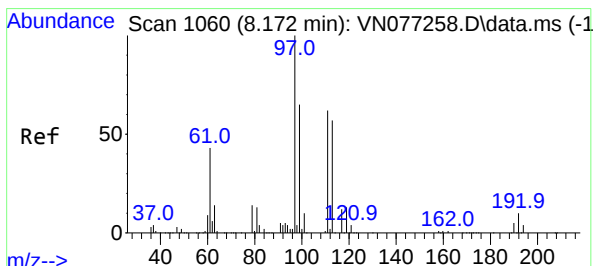
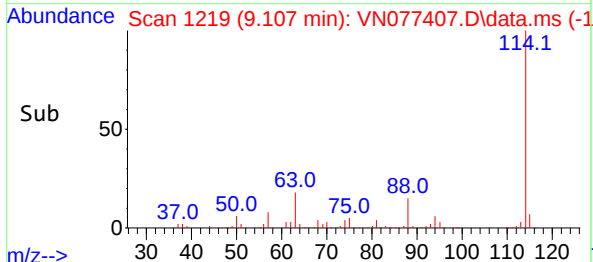
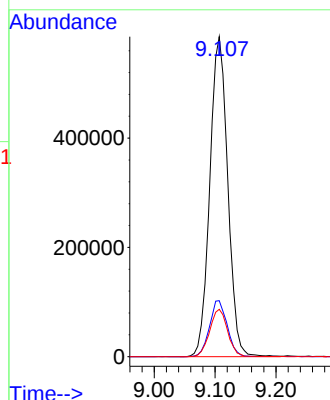
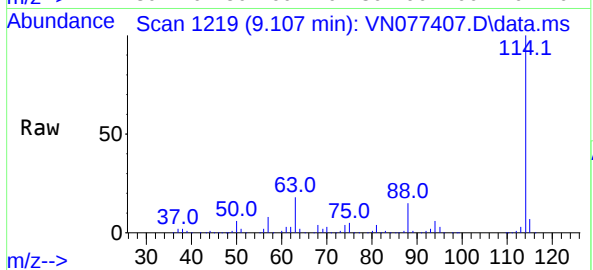




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

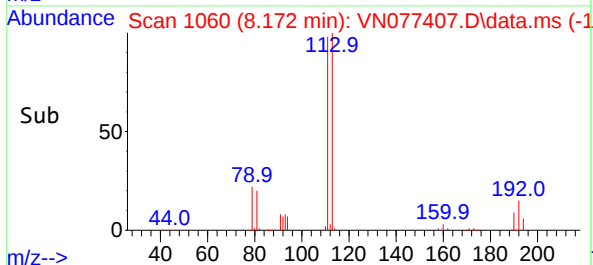
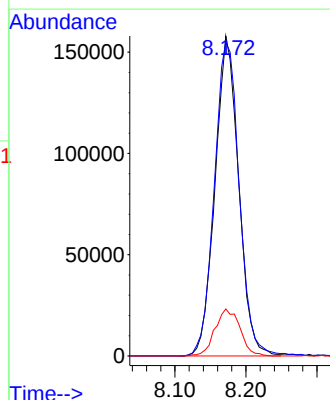
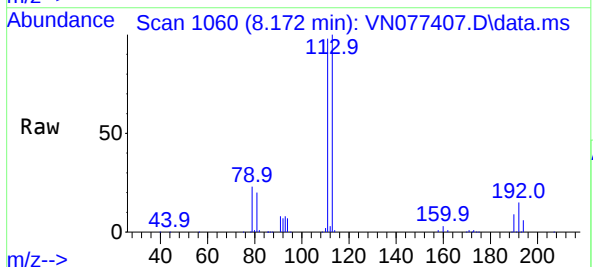
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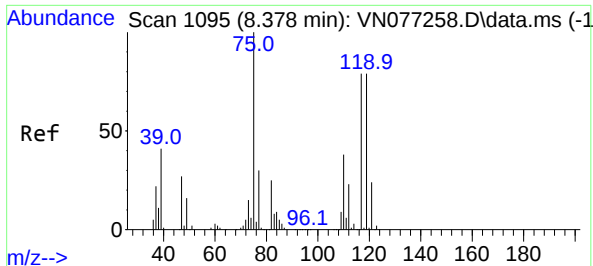
Tgt Ion:114 Resp: 1199193
Ion Ratio Lower Upper
114 100
63 17.5 0.0 37.8
88 14.8 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.440 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

Tgt Ion:113 Resp: 364187
Ion Ratio Lower Upper
113 100
111 103.8 83.4 125.0
192 15.6 13.5 20.3

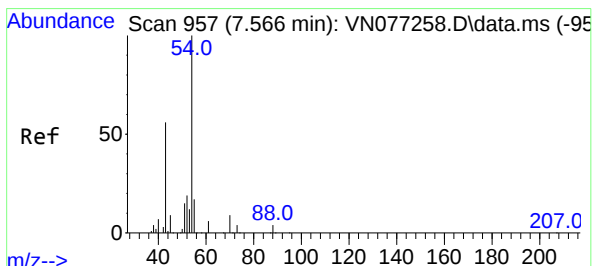
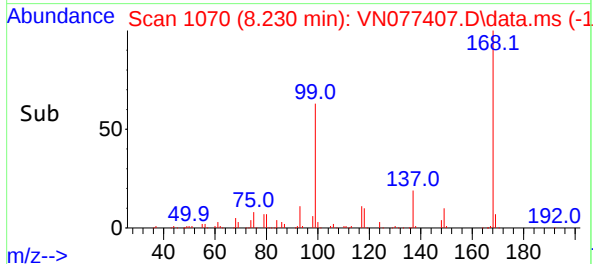
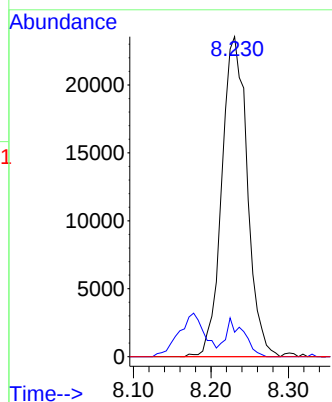
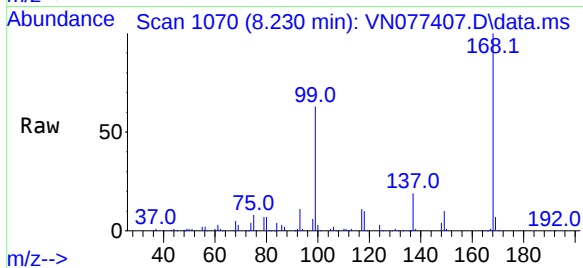




#36
1,1-Dichloropropene
Concen: 4.738 ug/l
RT: 8.230 min Scan# 1095
Delta R.T. -0.148 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

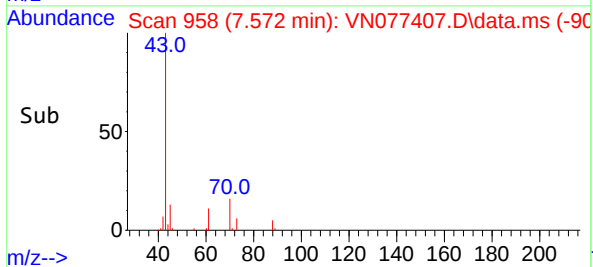
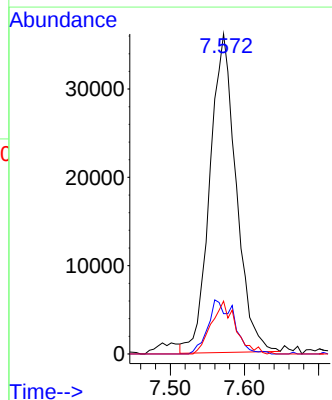
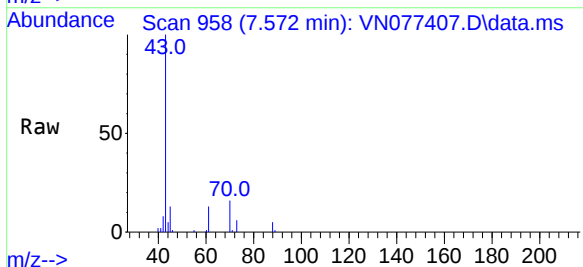
Instrument :
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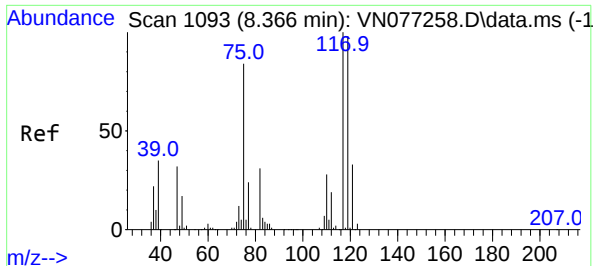
Tgt Ion: 75 Resp: 53792
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.761 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

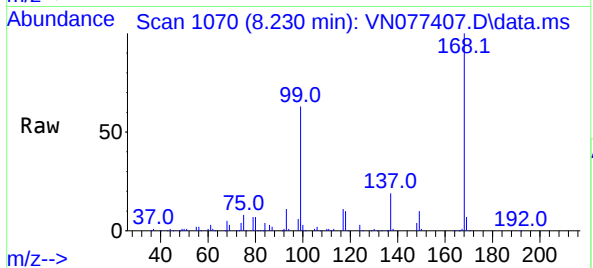
Tgt Ion: 43 Resp: 89001
Ion Ratio Lower Upper
43 100
61 16.9 12.2 18.2
70 15.4 10.0 15.0#



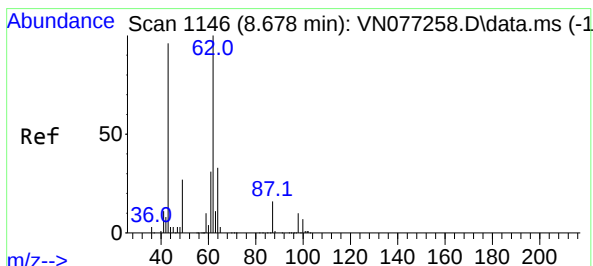
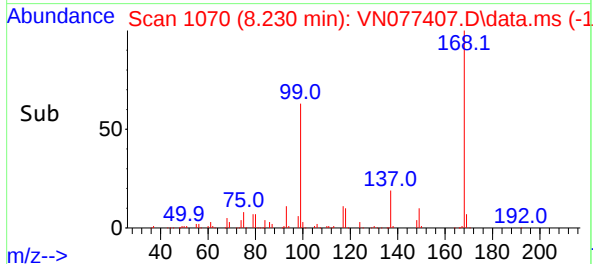
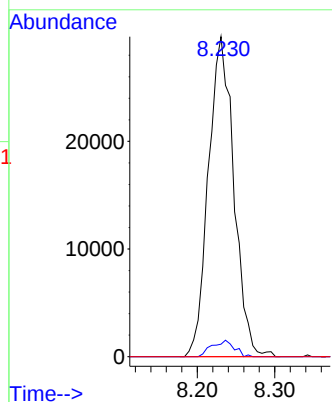


#38
Carbon Tetrachloride
Concen: 5.826 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.136 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

Instrument :
MSVOA_N
ClientSampleId :
PB152269TB

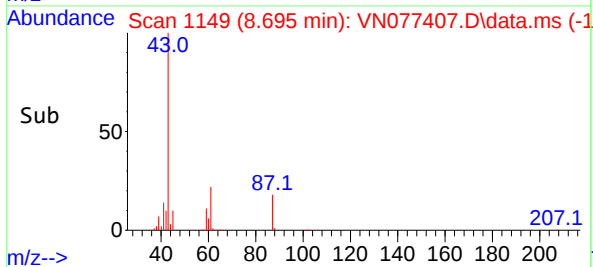
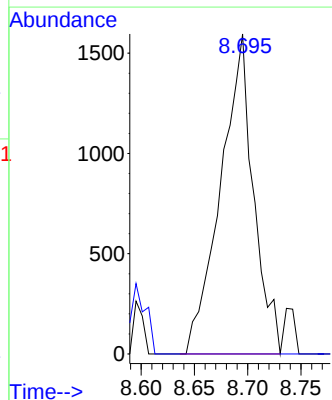
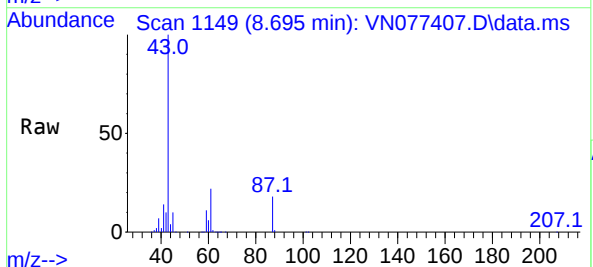


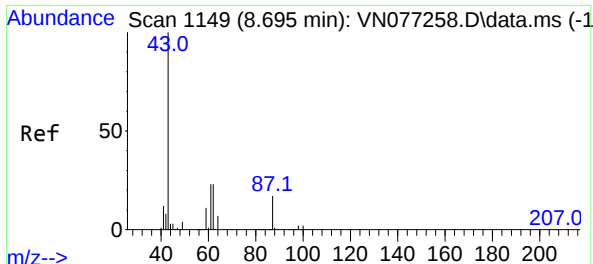
Tgt Ion:117 Resp: 67775
Ion Ratio Lower Upper
117 100
119 3.9 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.314 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.017 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

Tgt Ion: 62 Resp: 3426
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

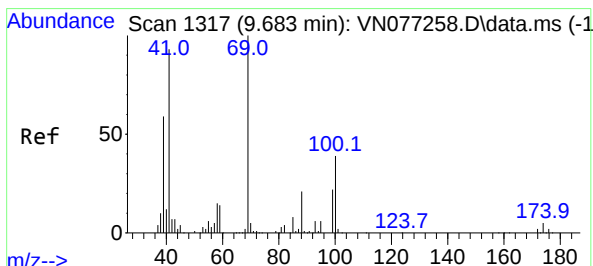
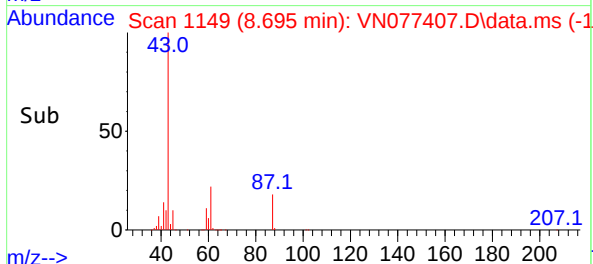
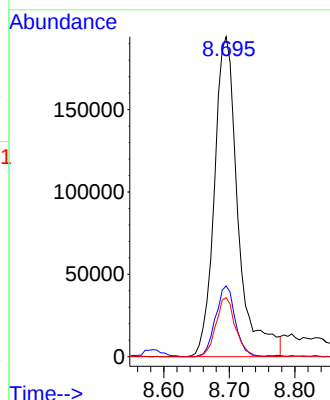
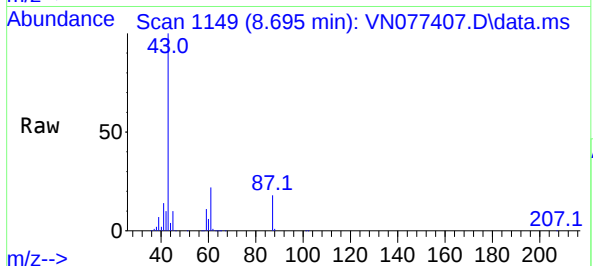




#43
Isopropyl Acetate
Concen: 25.977 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

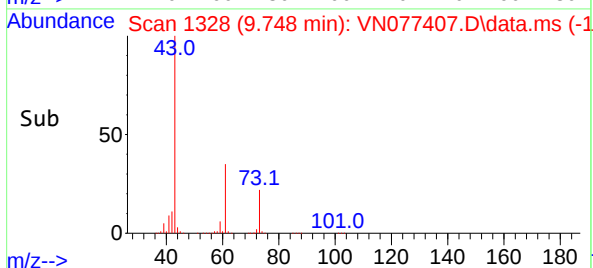
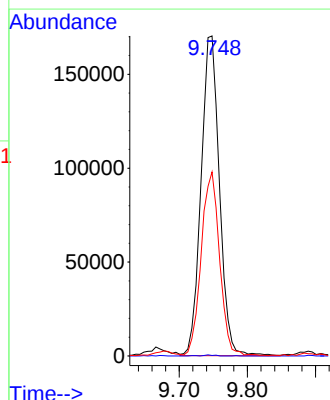
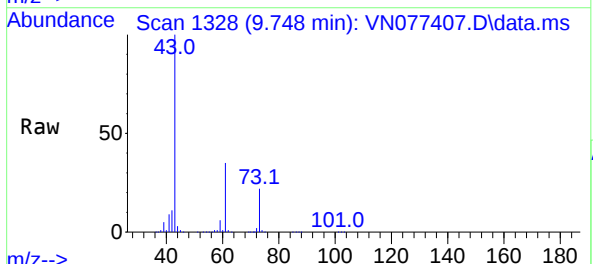
Instrument :
MSVOA_N
ClientSampleId :
PB152269TB

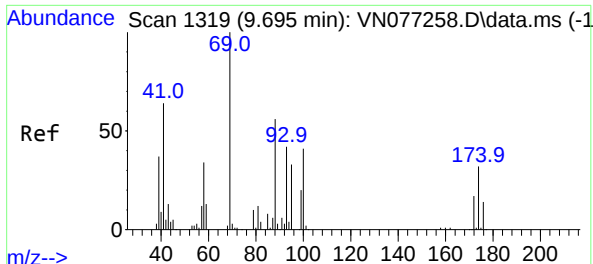
Tgt Ion: 43 Resp: 486933
Ion Ratio Lower Upper
43 100
61 18.4 22.7 34.1#
87 15.2 13.6 20.4



#48
Methyl methacrylate
Concen: 39.978 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.065 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

Tgt Ion: 41 Resp: 319686
Ion Ratio Lower Upper
41 100
69 0.2 85.0 127.6#
39 57.3 53.5 80.3

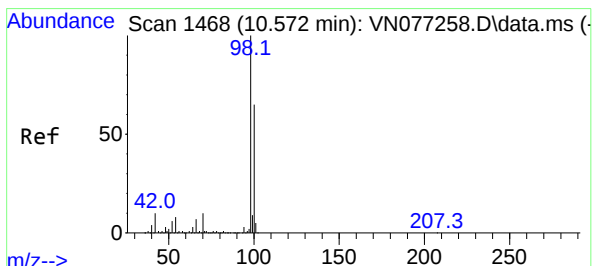
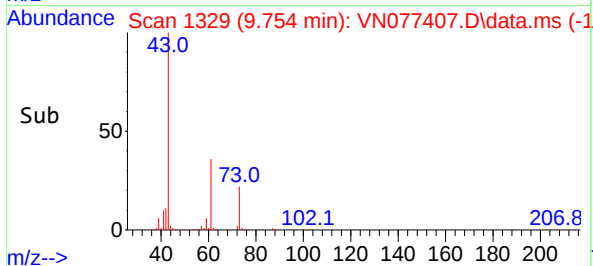
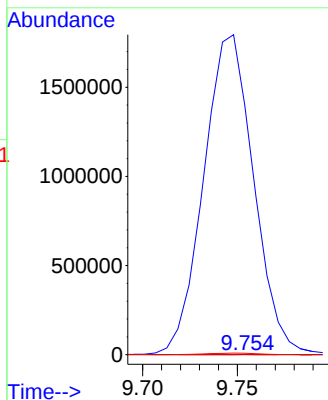
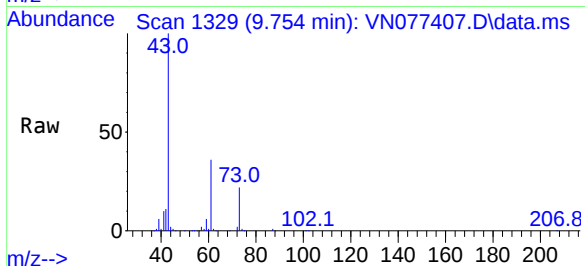




#49
1,4-Dioxane
Concen: 4.199 ug/l
RT: 9.754 min Scan# 1319
Delta R.T. 0.059 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

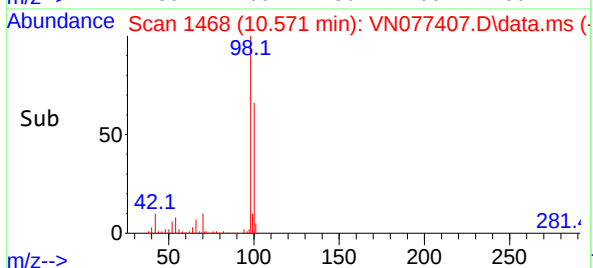
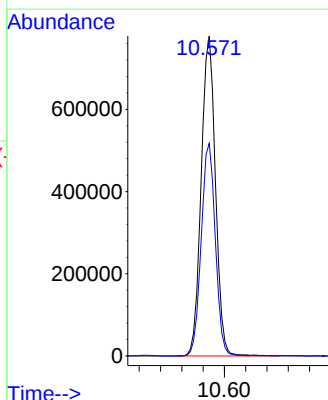
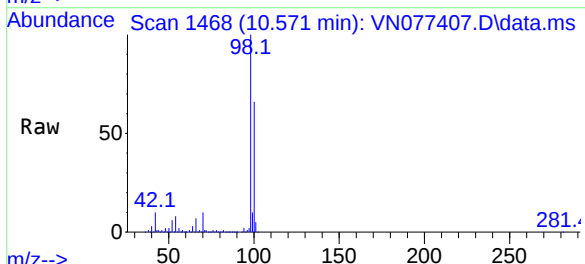
Instrument :
MSVOA_N
ClientSampleId :
PB152269TB

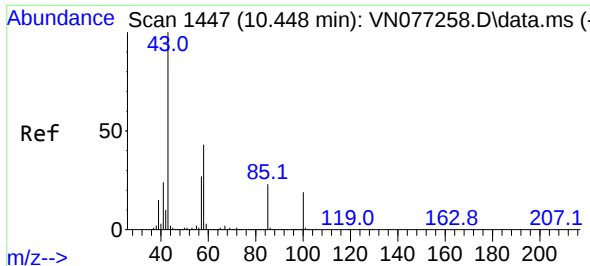
Tgt Ion: 88 Resp: 814
Ion Ratio Lower Upper
88 100
43 408119.5 17.0 25.6#
58 2044.8 49.8 74.6#



#50
Toluene-d8
Concen: 46.716 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

Tgt Ion: 98 Resp: 1443725
Ion Ratio Lower Upper
98 100
100 65.8 51.3 76.9

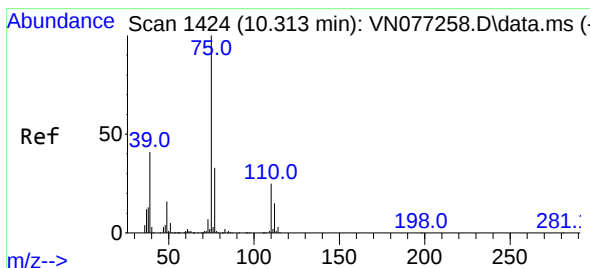
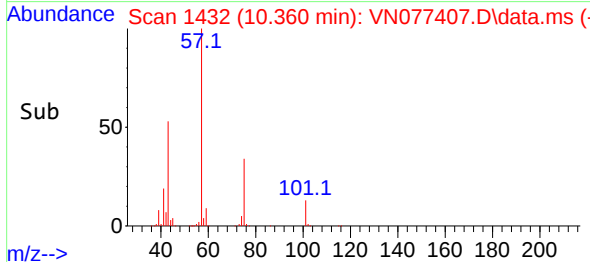
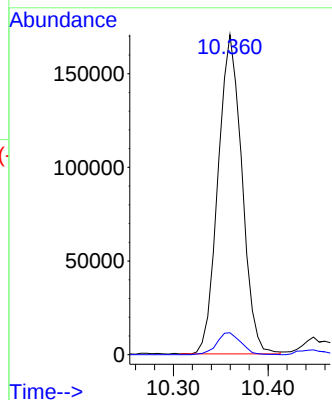
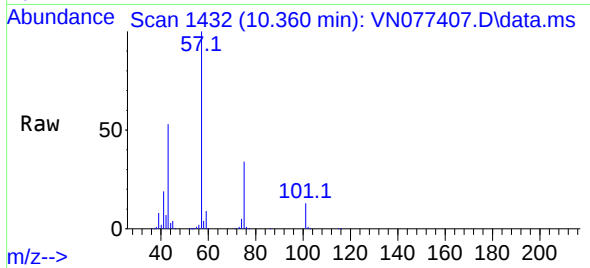




#51
4-Methyl-2-Pentanone
Concen: 27.568 ug/l
RT: 10.360 min Scan# 1447
Delta R.T. -0.088 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

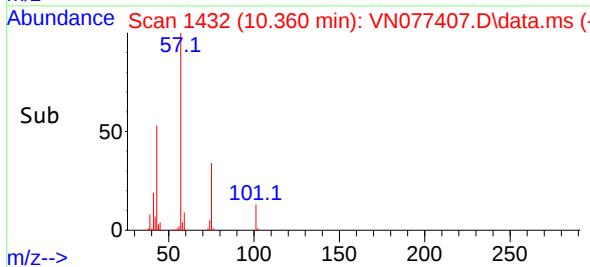
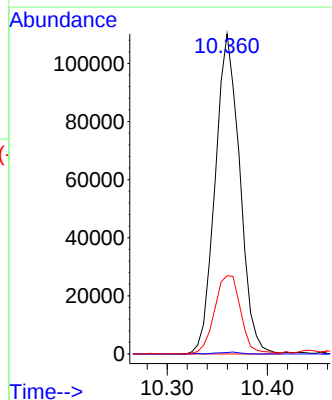
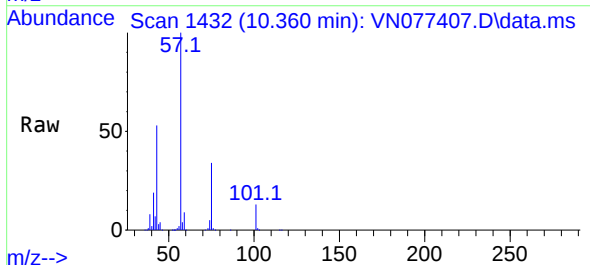
Instrument :
MSVOA_N
ClientSampleId :
PB152269TB

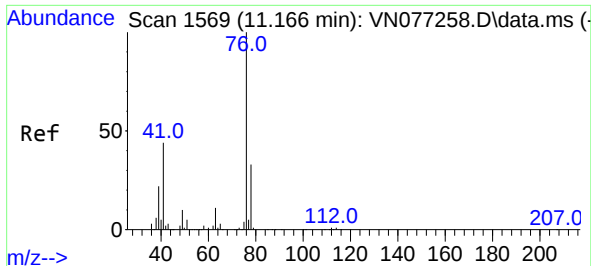
Tgt Ion: 43 Resp: 298698
Ion Ratio Lower Upper
43 100
58 7.0 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 12.813 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

Tgt Ion: 75 Resp: 187720
Ion Ratio Lower Upper
75 100
77 0.4 26.7 40.1#
39 24.4 32.8 49.2#





#57

1,3-Dichloropropane

Concen: 1.519 ug/l

RT: 11.201 min Scan# 1575

Delta R.T. 0.035 min

Lab File: VN077407.D

Acq: 20 Apr 2023 17:59

Instrument :

MSVOA_N

ClientSampleId :

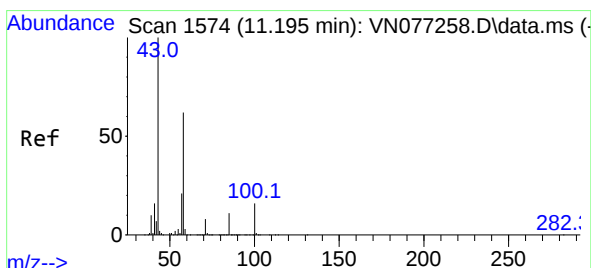
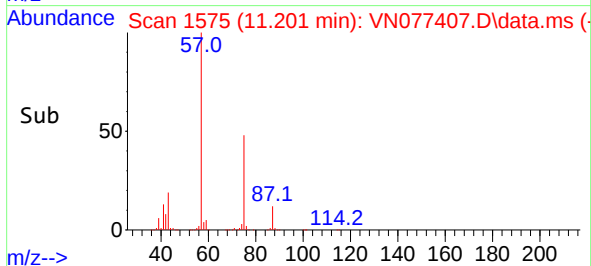
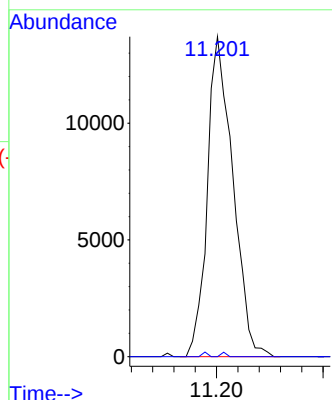
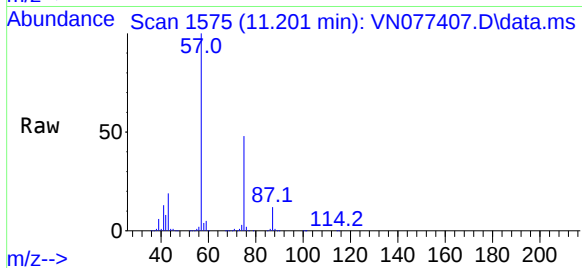
PB152269TB

Tgt Ion: 76 Resp: 22836

Ion Ratio Lower Upper

76 100

78 0.3 26.2 39.4#



#59

2-Hexanone

Concen: 39.156 ug/l

RT: 11.171 min Scan# 1570

Delta R.T. -0.024 min

Lab File: VN077407.D

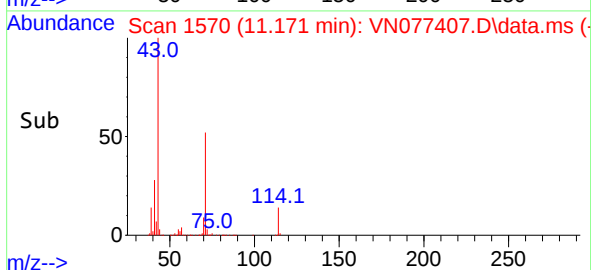
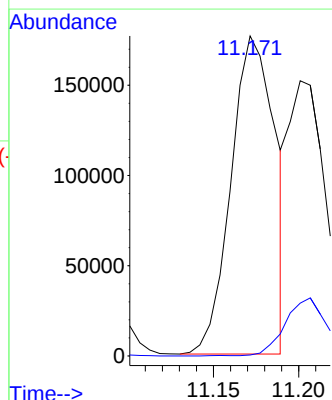
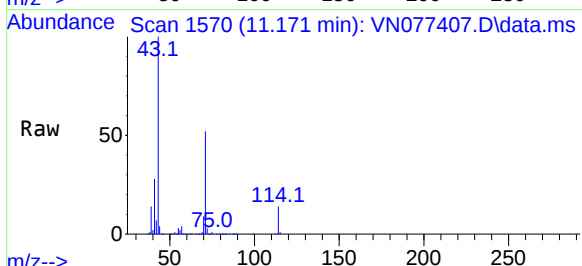
Acq: 20 Apr 2023 17:59

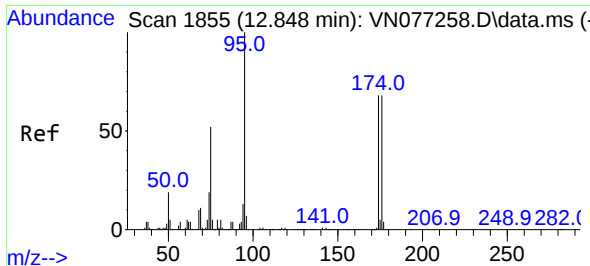
Tgt Ion: 43 Resp: 316069

Ion Ratio Lower Upper

43 100

58 0.0 30.9 92.5#

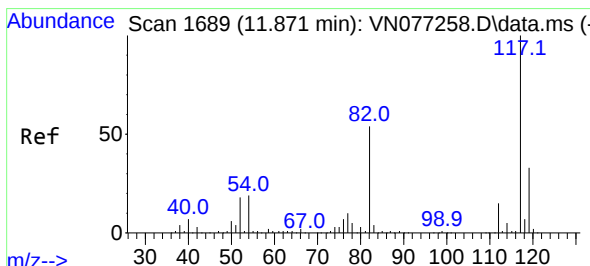
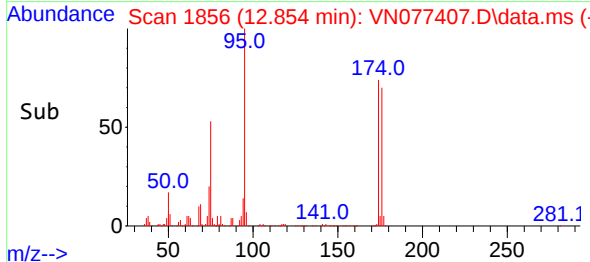
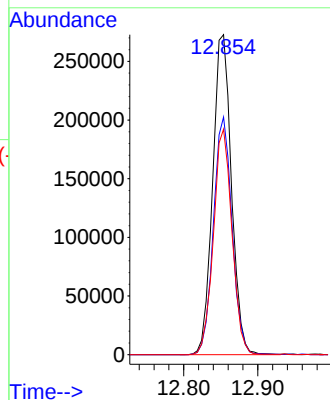
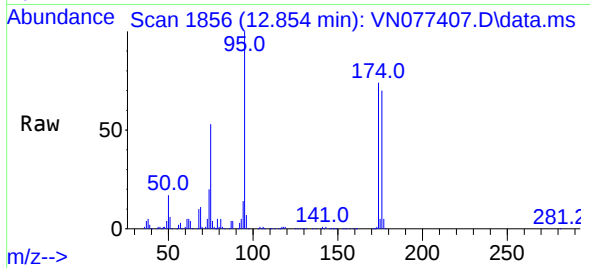




#62
4-Bromofluorobenzene
Concen: 46.631 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

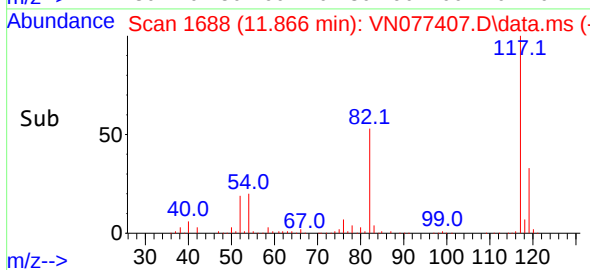
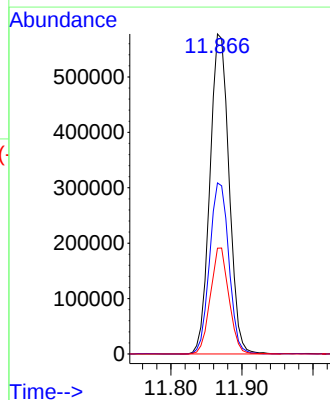
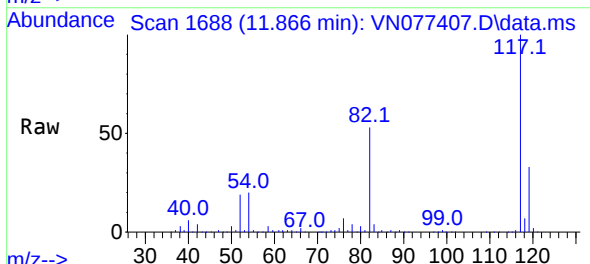
Instrument :
MSVOA_N
ClientSampleId :
PB152269TB

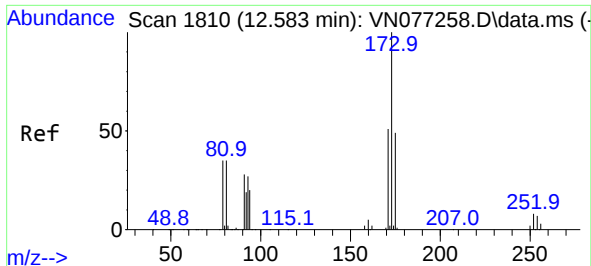
Tgt Ion: 95 Resp: 479294
Ion Ratio Lower Upper
95 100
174 73.6 0.0 146.8
176 69.7 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

Tgt Ion: 117 Resp: 1079473
Ion Ratio Lower Upper
117 100
82 53.4 42.9 64.3
119 33.1 26.2 39.4

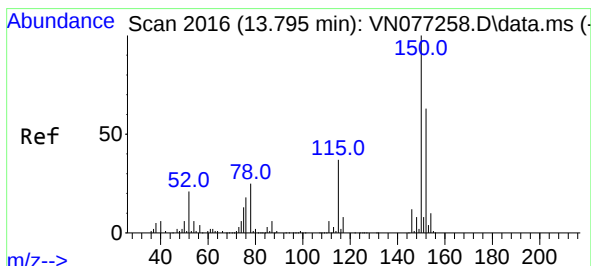
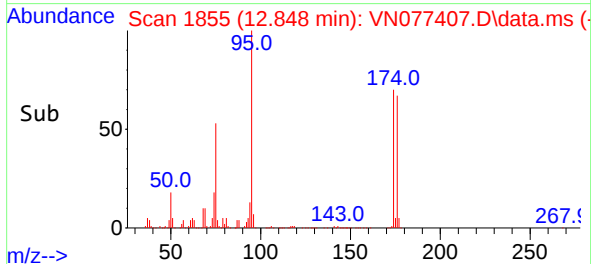
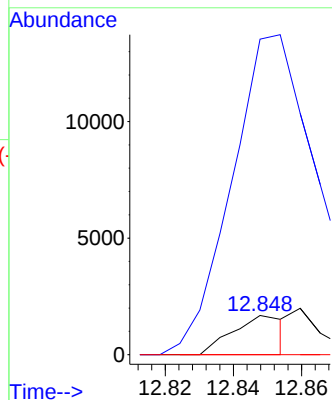
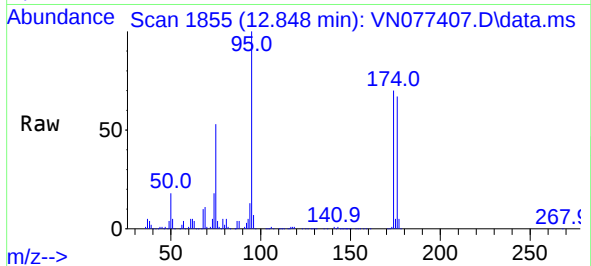




#71
Bromoform
Concen: 0.282 ug/l
RT: 12.848 min Scan# 1810
Delta R.T. 0.265 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

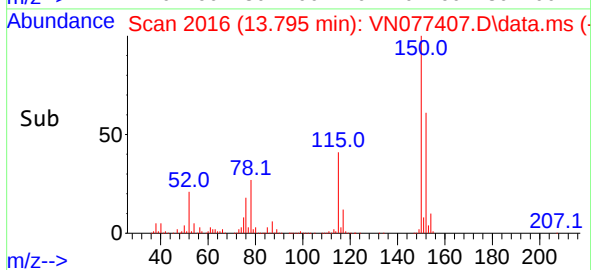
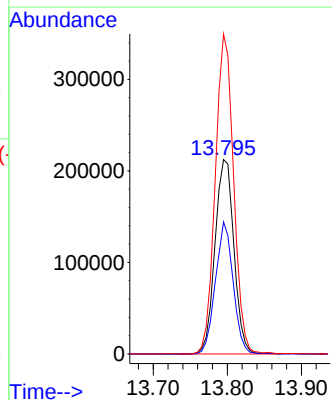
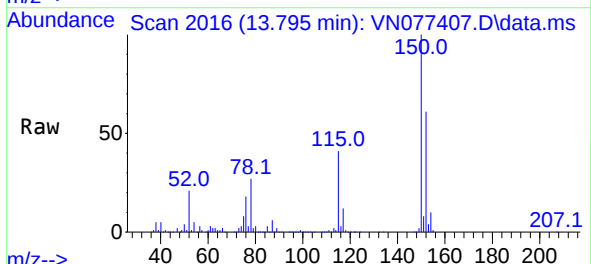
Instrument :
MSVOA_N
ClientSampleId :
PB152269TB

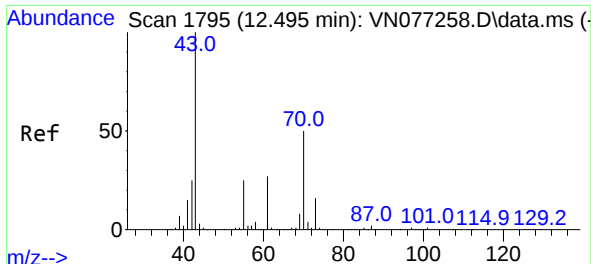
Tgt Ion:173 Resp: 1783
Ion Ratio Lower Upper
173 100
175 1073.5 24.1 72.4#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

Tgt Ion:152 Resp: 377363
Ion Ratio Lower Upper
152 100
115 63.4 32.1 96.3
150 159.5 0.0 354.8

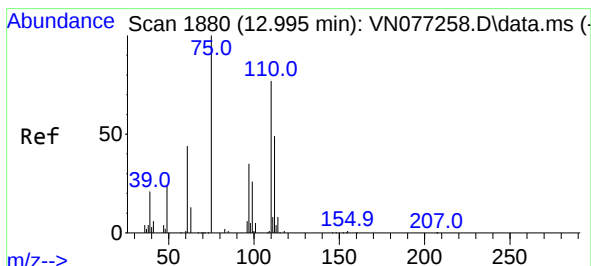
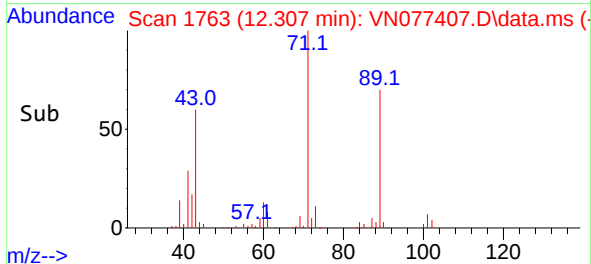
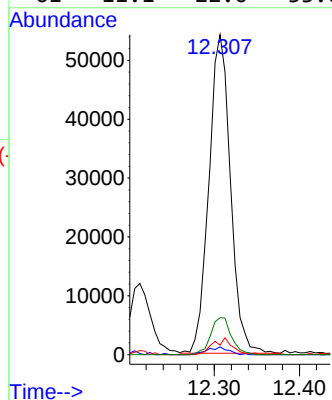
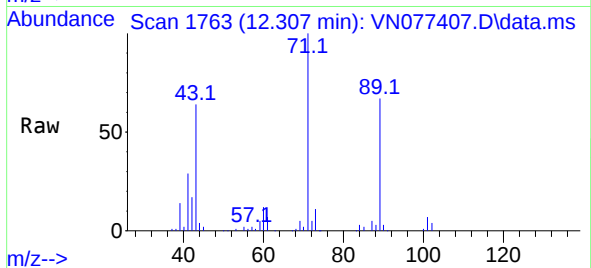




#74
N-amy1 acetate
Concen: 6.851 ug/l
RT: 12.307 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

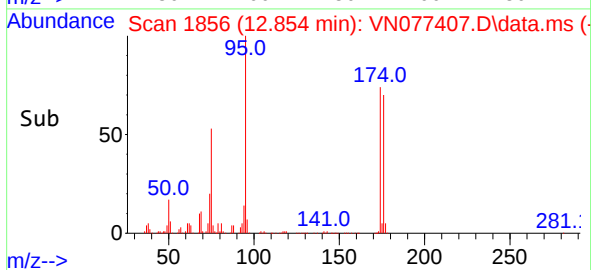
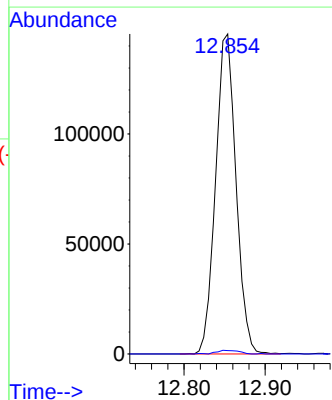
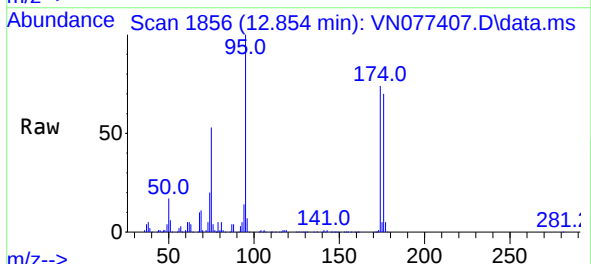
Instrument :
MSVOA_N
ClientSampleId :
PB152269TB

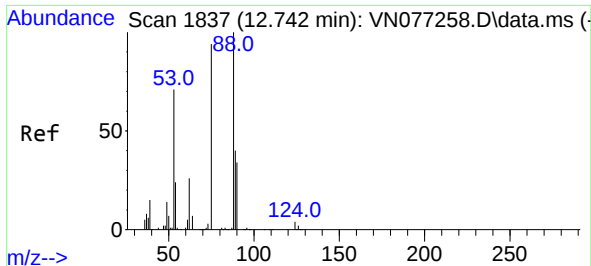
Tgt Ion: 43	Resp: 95159
Ion Ratio	Lower Upper
43 100	
70 2.4	41.0 61.6#
55 4.8	19.3 28.9#
61 11.1	22.0 33.0#



#76
1,2,3-Trichloropropane
Concen: 28.309 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077407.D
Acq: 20 Apr 2023 17:59

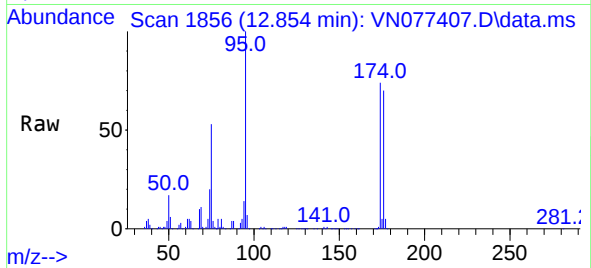
Tgt Ion: 75	Resp: 254382
Ion Ratio	Lower Upper
75 100	
77 1.3	88.3 264.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.704 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077407.D
 Acq: 20 Apr 2023 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152269TB



Tgt Ion: 75 Resp: 254382

Ion	Ratio	Lower	Upper
75	100		
53	0.0	72.8	109.2#
89	0.0	37.4	56.2#

