

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081721\
 Data File : VX023774.D
 Acq On : 17 Aug 2021 19:38
 Operator : JC/MD
 Sample : PB138430TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB138430TB

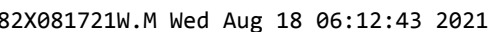
Quant Time: Aug 18 06:12:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

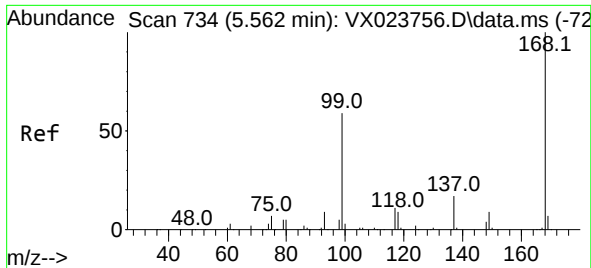
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.568	168	140569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	241542	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	237758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100757	51.357	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.720%			
35) Dibromofluoromethane	5.397	113	78495	49.099	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.200%			
50) Toluene-d8	8.653	98	309157	50.808	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.620%			
62) 4-Bromofluorobenzene	11.085	95	106832	47.694	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.380%			
Target Compounds						Qvalue
5) Bromomethane	1.617	94	629	0.630	ug/l	98
6) Chloroethane	1.648	64	216	2.373	ug/l #	43
10) Methyl Iodide	2.465	142	475	0.242	ug/l #	77
11) Tert butyl alcohol	2.971	59	1384	3.488	ug/l #	81
13) Acrolein	2.233	56	48	0.203	ug/l #	1
16) Acetone	2.386	43	27522	31.374	ug/l	93
18) Methyl Acetate	2.715	43	1494	0.682	ug/l #	84
20) Methylene Chloride	2.794	84	13266	7.917	ug/l #	86
25) 2-Butanone	4.574	43	3930	2.958	ug/l	95
29) Tetrahydrofuran	5.032	42	869	1.010	ug/l #	88
31) Cyclohexane	5.562	56	3339	1.325	ug/l #	7
36) 1,1-Dichloropropene	5.562	75	11027	4.930	ug/l #	51
38) Carbon Tetrachloride	5.562	117	14397	6.172	ug/l #	16
43) Isopropyl Acetate	6.354	43	20827	4.843	ug/l #	91
48) Methyl methacrylate	7.604	41	6125	2.919	ug/l #	10
49) 1,4-Dioxane	7.793	88	31	0.699	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	69765	25.094	ug/l #	46
54) cis-1,3-Dichloropropene	8.555	75	28600	10.675	ug/l #	73
56) Ethyl methacrylate	9.006	69	145	0.807	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	17924	6.124	ug/l #	42
59) 2-Hexanone	9.488	43	263497	123.300	ug/l #	43
60) Dibromochloromethane	9.281	129	21	1.698	ug/l #	11
74) N-amyl acetate	10.774	43	703	0.212	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	57864	25.814	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57864	75.934	ug/l #	12
95) Naphthalene	13.780	128	214	1.312	ug/l #	69

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

Quant Time: Aug 18 06:12:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

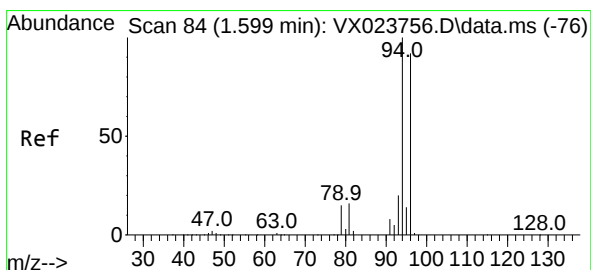
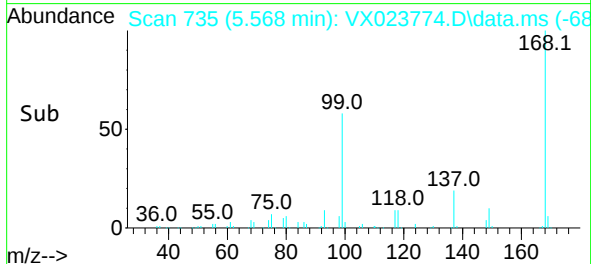
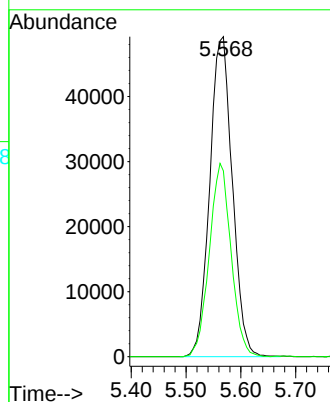
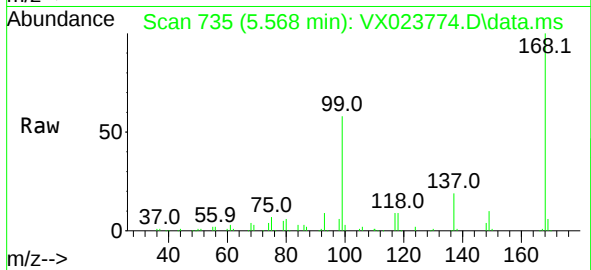




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

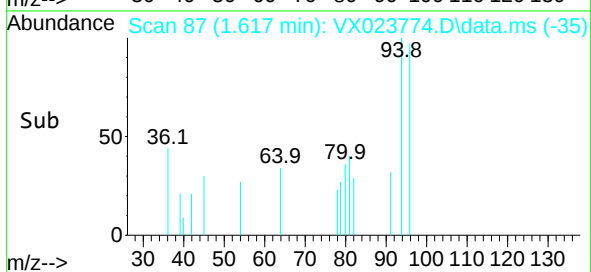
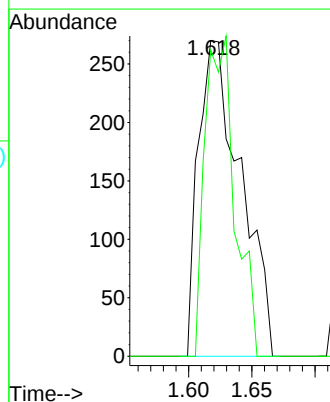
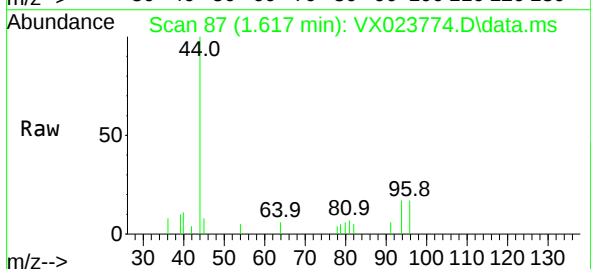
Instrument :
MSVOA_X
ClientSampleId :
PB138430TB

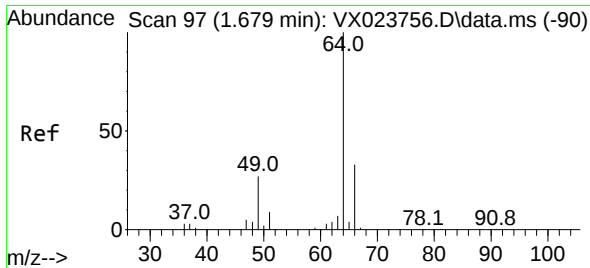
Tgt Ion:168 Resp: 140569
Ion Ratio Lower Upper
168 100
99 58.1 45.8 68.6



#5
Bromomethane
Concen: 0.630 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Tgt Ion: 94 Resp: 629
Ion Ratio Lower Upper
94 100
96 97.0 76.4 114.6

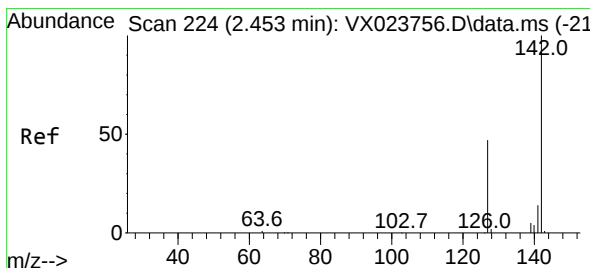
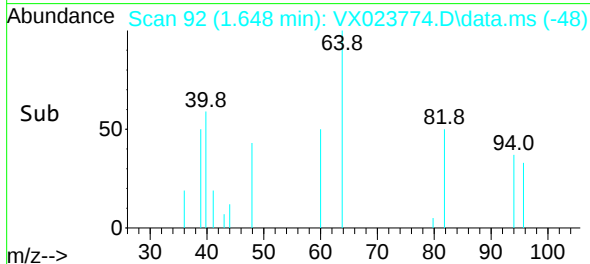
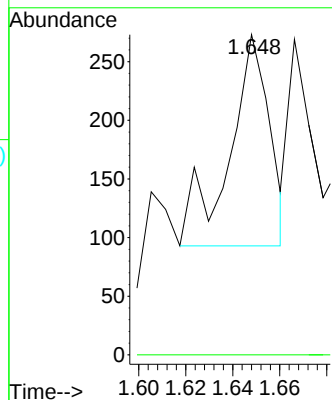
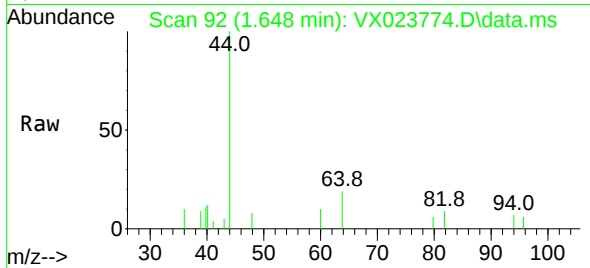




#6
Chloroethane
Concen: 2.373 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.031 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

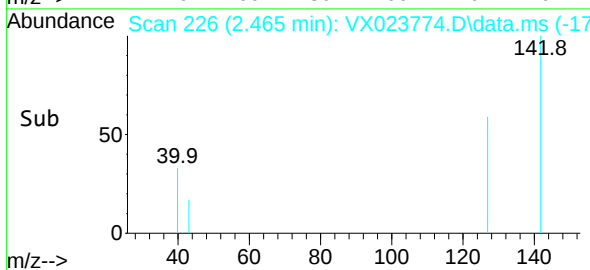
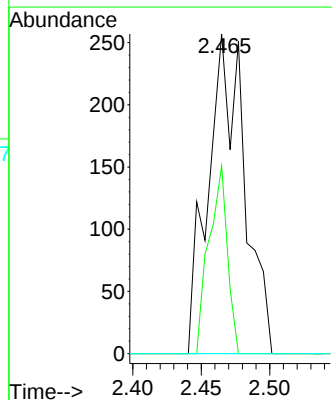
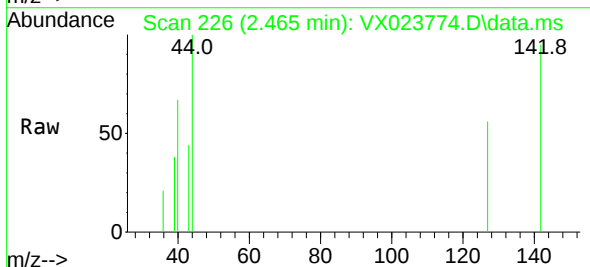
Instrument :
MSVOA_X
ClientSampled :
PB138430TB

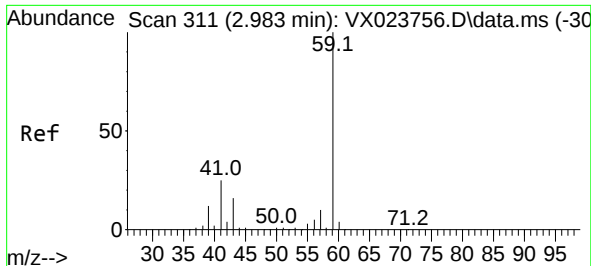
Tgt Ion: 64 Resp: 216
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.242 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Tgt Ion:142 Resp: 475
Ion Ratio Lower Upper
142 100
127 29.9 33.3 49.9#
141 0.0 11.4 17.0#



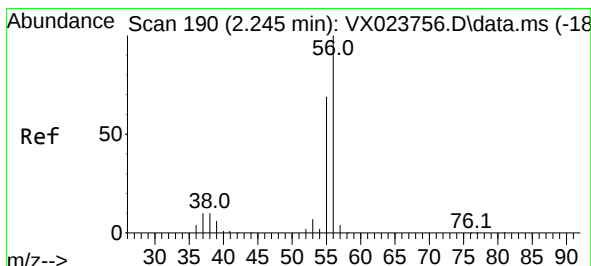
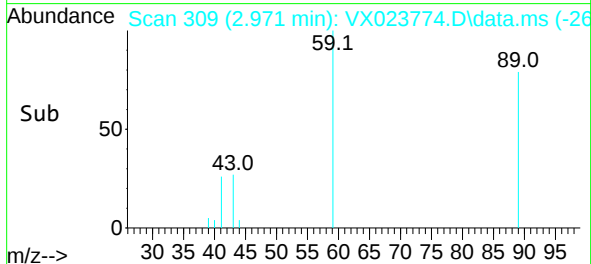
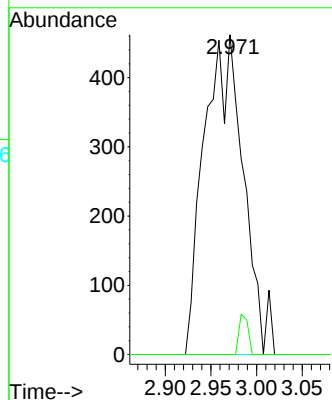
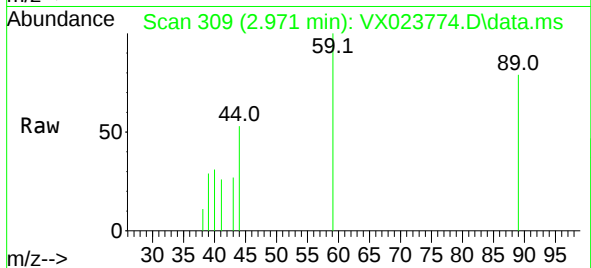


#11

Tert butyl alcohol
Concen: 3.488 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Instrument :
MSVOA_X
ClientSampleId :
PB138430TB

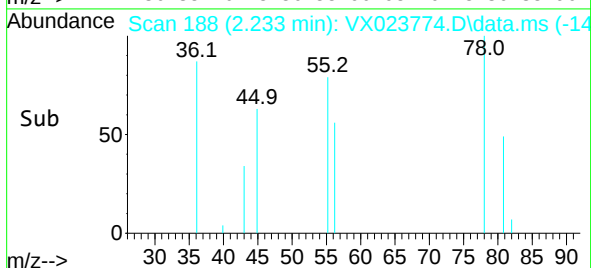
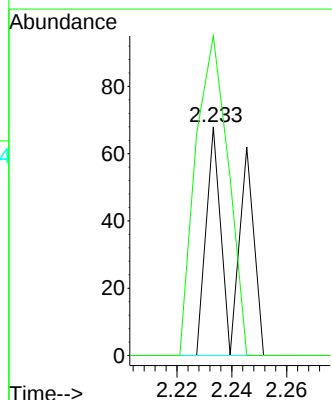
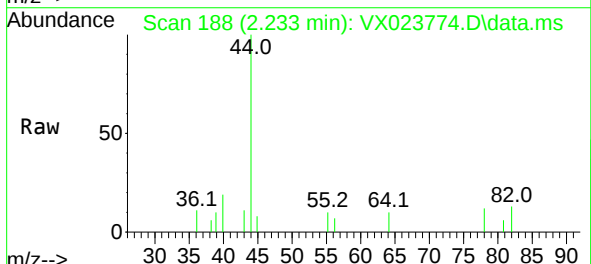
Tgt Ion: 59 Resp: 1384
Ion Ratio Lower Upper
59 100
57 2.9 7.8 11.8#

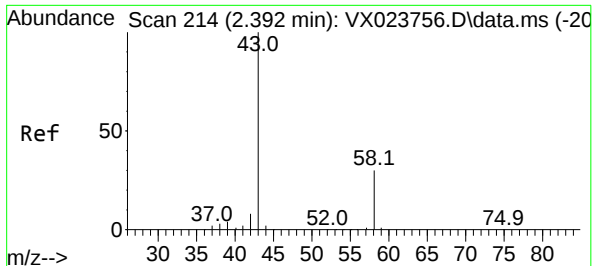


#13

Acrolein
Concen: 0.203 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.012 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 162.5 56.4 84.6#

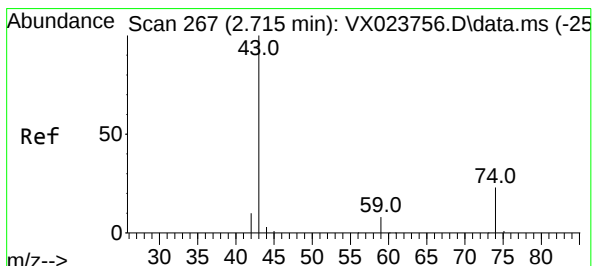
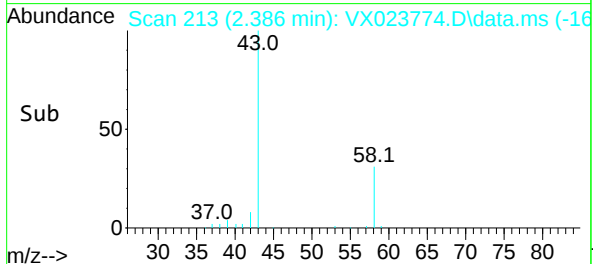
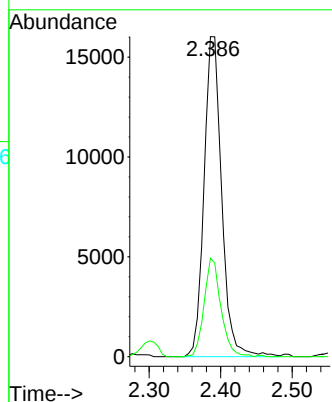
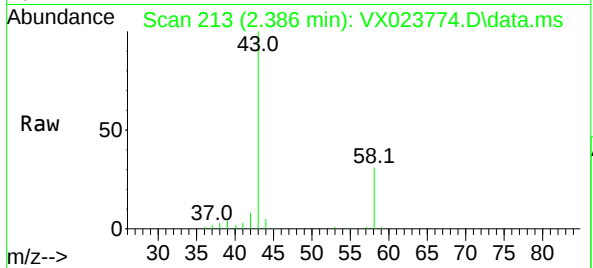




#16
Acetone
Concen: 31.374 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

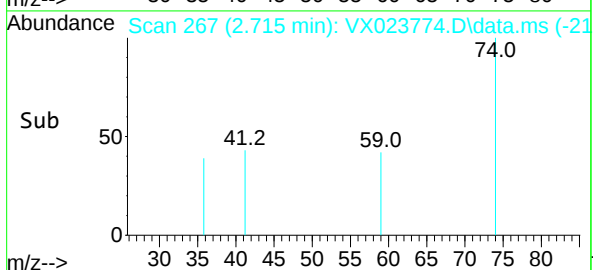
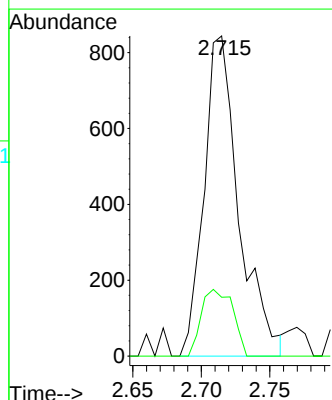
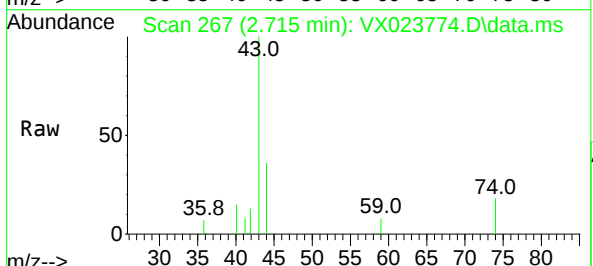
Instrument :
MSVOA_X
ClientSampleId :
PB138430TB

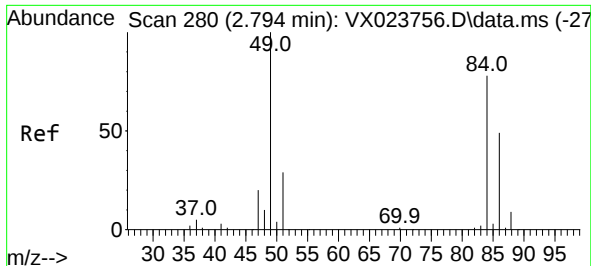
Tgt Ion: 43 Resp: 27522
Ion Ratio Lower Upper
43 100
58 30.8 27.8 41.8



#18
Methyl Acetate
Concen: 0.682 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Tgt Ion: 43 Resp: 1494
Ion Ratio Lower Upper
43 100
74 18.8 21.9 32.9#

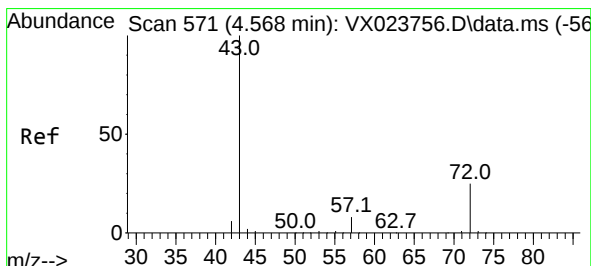
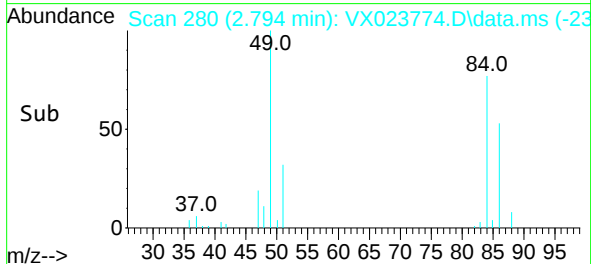
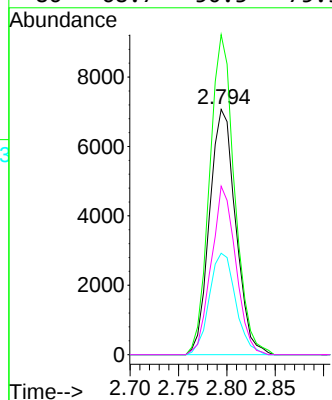
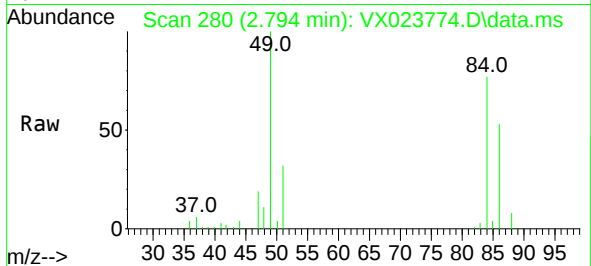




#20
Methylene Chloride
Concen: 7.917 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

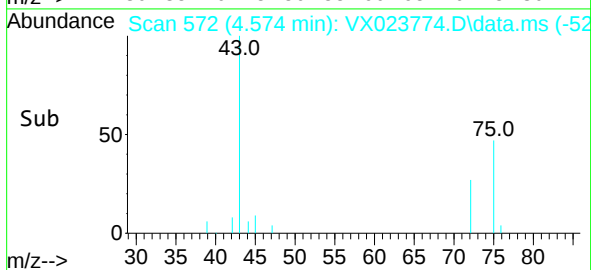
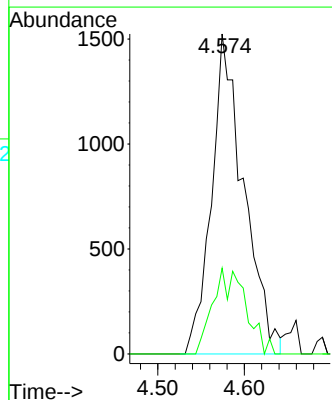
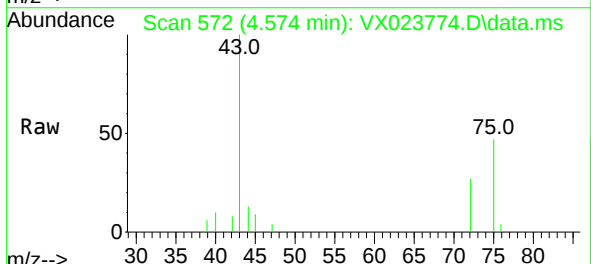
Instrument :
MSVOA_X
ClientSampleId :
PB138430TB

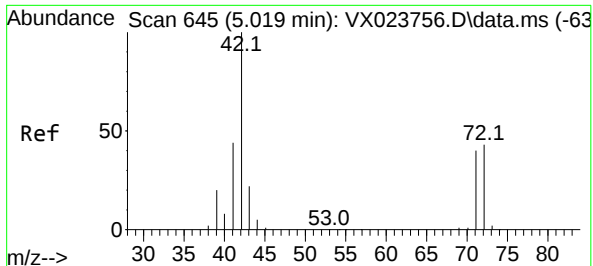
Tgt Ion:	84	Resp:	13266
Ion	Ratio	Lower	Upper
84	100		
49	130.4	88.6	132.8
51	41.3	27.0	40.6#
86	68.7	50.3	75.5



#25
2-Butanone
Concen: 2.958 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Tgt Ion:	43	Resp:	3930
Ion	Ratio	Lower	Upper
43	100		
72	26.8	23.7	35.5





#29

Tetrahydrofuran

Concen: 1.010 ug/l

RT: 5.032 min Scan# 647

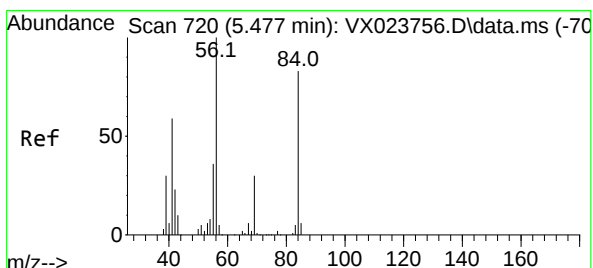
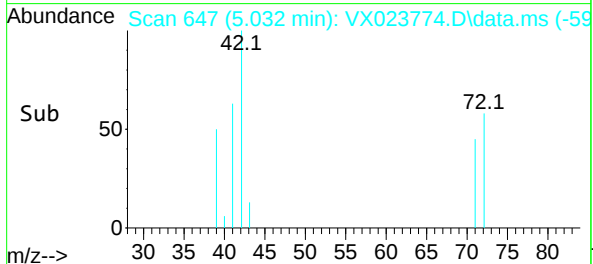
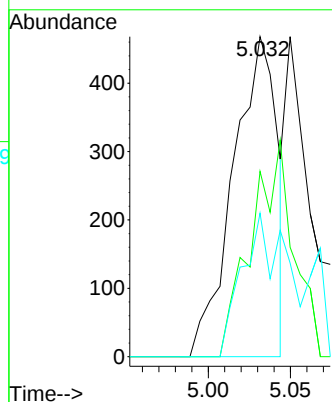
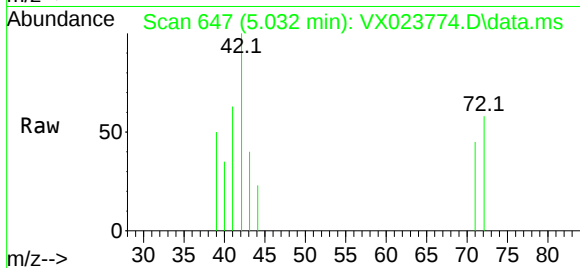
Delta R.T. 0.013 min

Lab File: VX023774.D

Acq: 17 Aug 2021 19:38

Tgt Ion: 42 Resp: 869

Ion	Ratio	Lower	Upper
42	100		
72	64.4	41.7	62.5#
71	44.4	38.4	57.6



#31

Cyclohexane

Concen: 1.325 ug/l

RT: 5.562 min Scan# 734

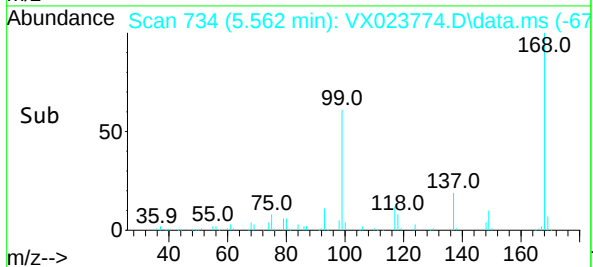
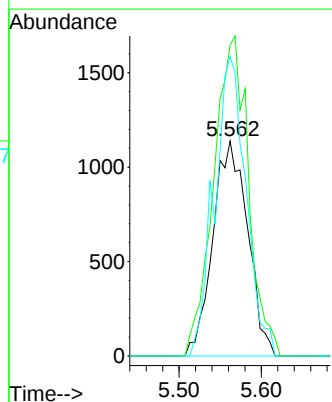
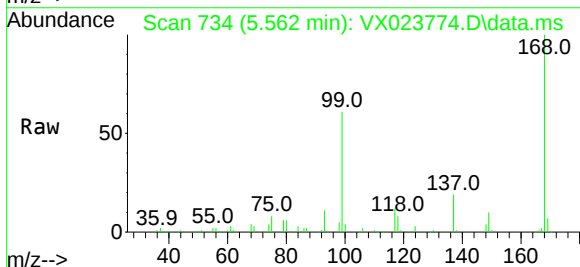
Delta R.T. 0.085 min

Lab File: VX023774.D

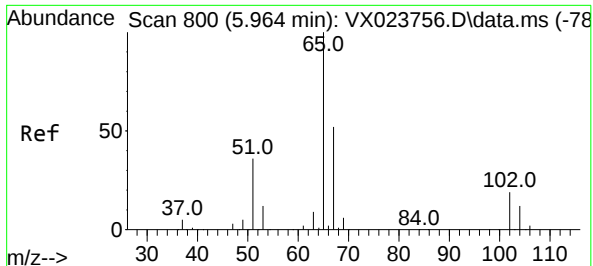
Acq: 17 Aug 2021 19:38

Tgt Ion: 56 Resp: 3339

Ion	Ratio	Lower	Upper
56	100		
69	144.8	25.3	37.9#
84	139.4	71.4	107.0#



Instrument :
MSVOA_X
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PB138430TB

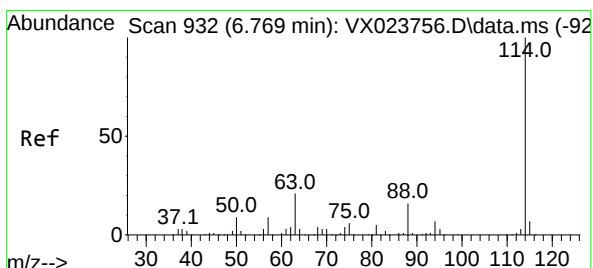
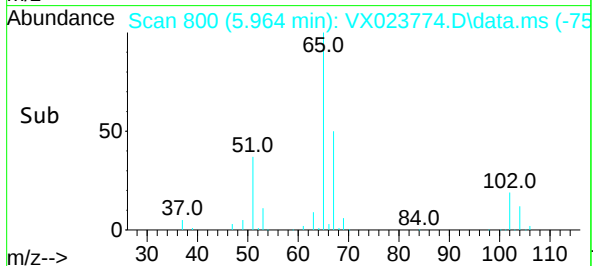
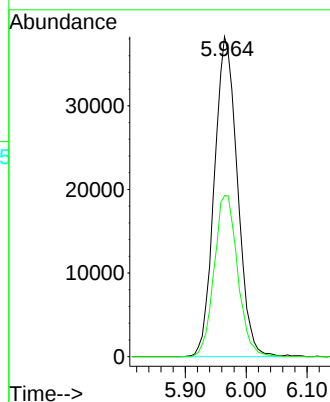
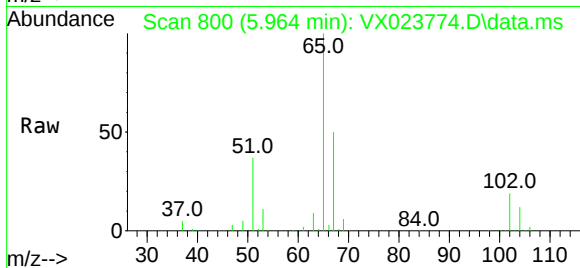


#33

1,2-Dichloroethane-d4
Concen: 51.357 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Instrument :
MSVOA_X
ClientSampleId :
PB138430TB

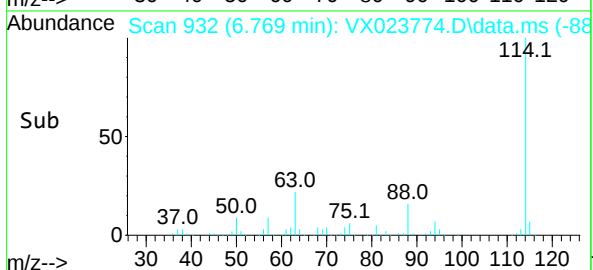
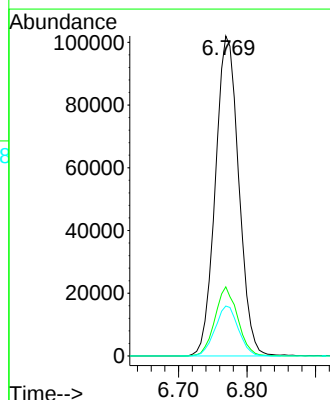
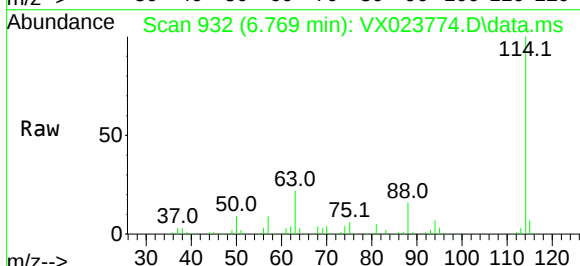
Tgt Ion: 65 Resp: 100757
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.4

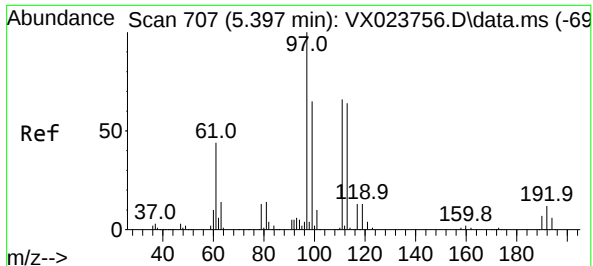


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Tgt Ion: 114 Resp: 241542
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.8
88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.099 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023774.D

Acq: 17 Aug 2021 19:38

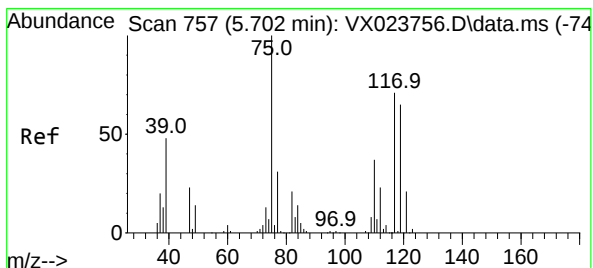
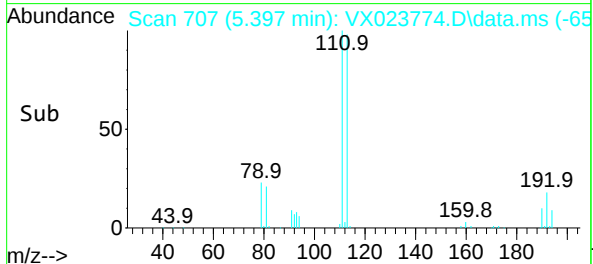
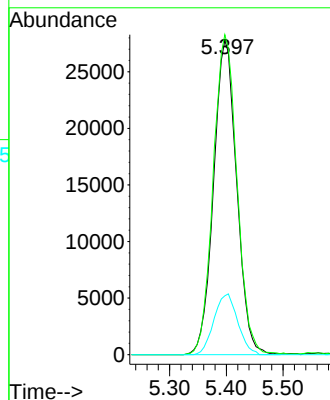
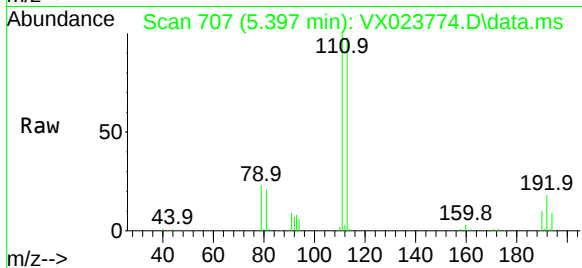
Tgt Ion:113 Resp: 78495

Ion Ratio Lower Upper

113 100

111 104.7 81.9 122.9

192 19.9 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.930 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023774.D

Acq: 17 Aug 2021 19:38

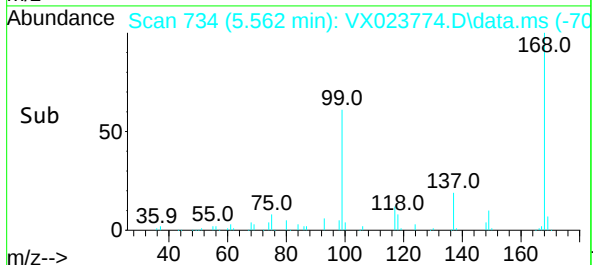
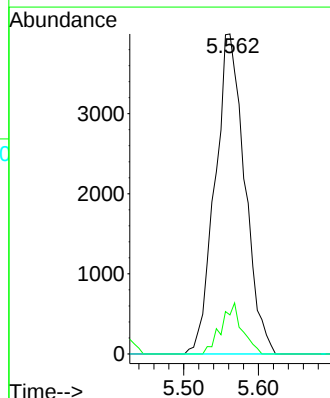
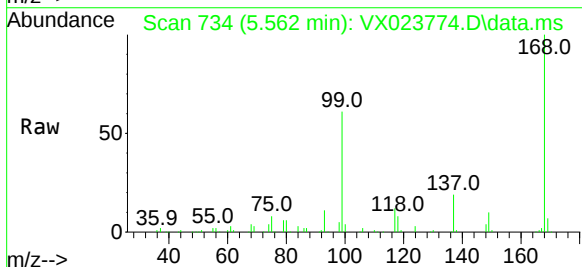
Tgt Ion: 75 Resp: 11027

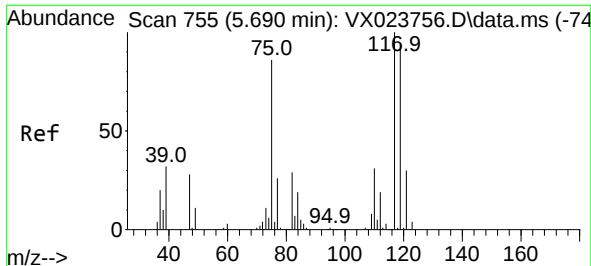
Ion Ratio Lower Upper

75 100

110 11.2 18.1 54.4#

77 0.0 25.3 37.9#

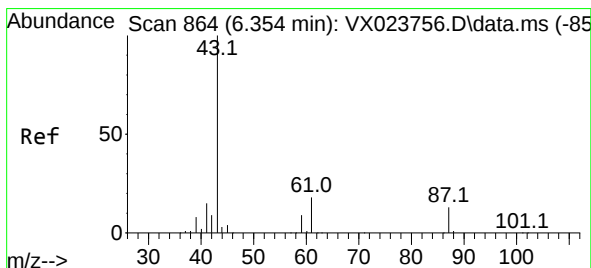
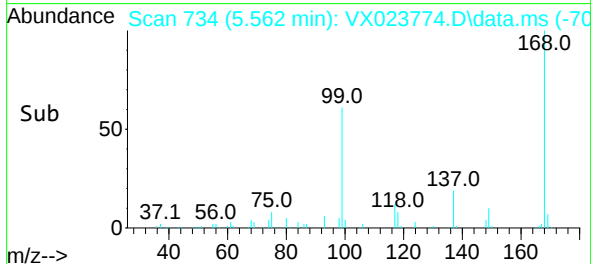
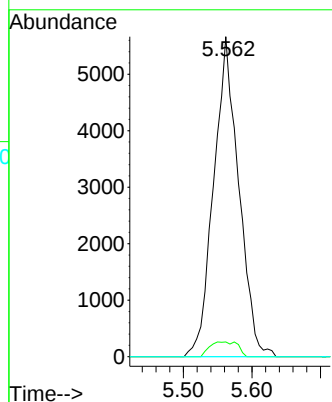
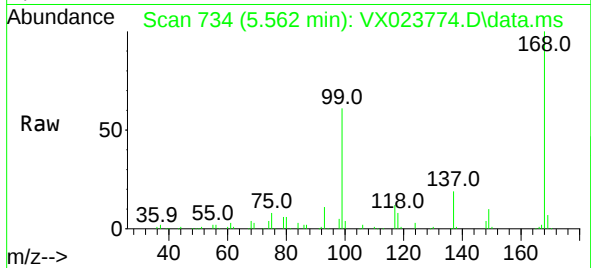




#38
Carbon Tetrachloride
Concen: 6.172 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

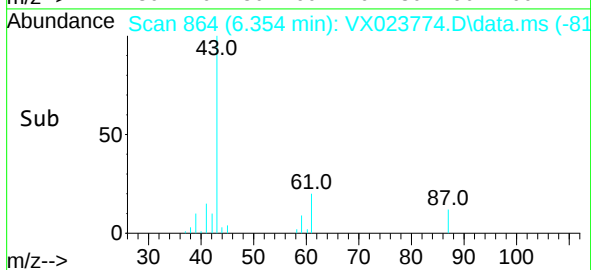
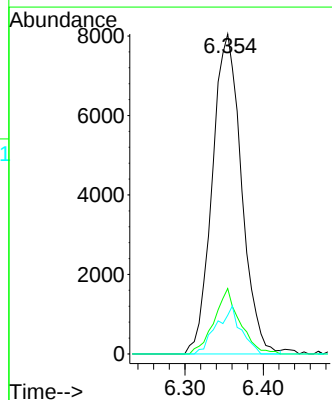
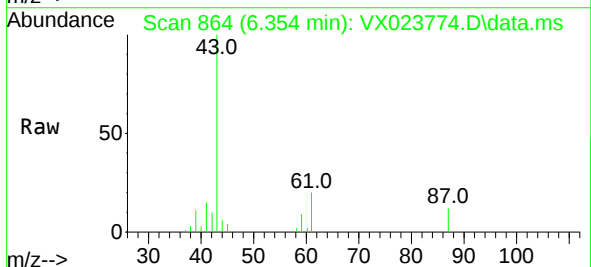
Instrument :
MSVOA_X
ClientSampleId :
PB138430TB

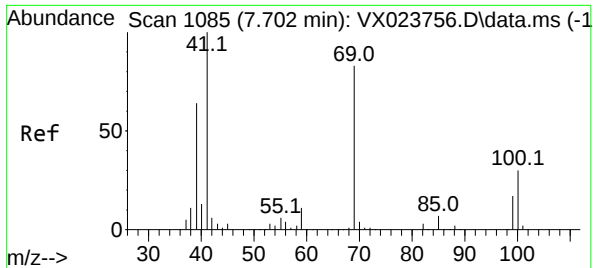
Tgt Ion:117 Resp: 14397
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 4.843 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Tgt Ion: 43 Resp: 20827
Ion Ratio Lower Upper
43 100
61 18.0 18.2 27.4#
87 12.6 12.5 18.7

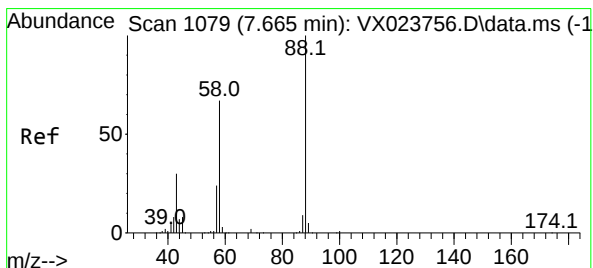
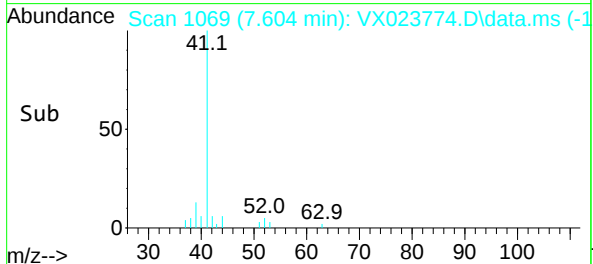
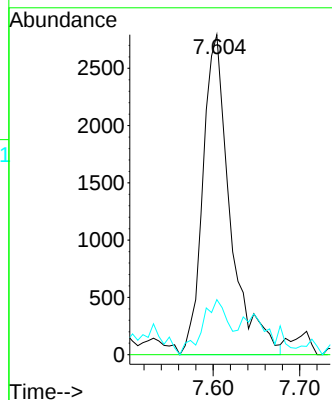
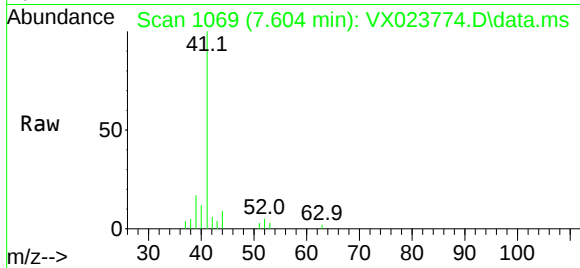




#48
Methyl methacrylate
Concen: 2.919 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

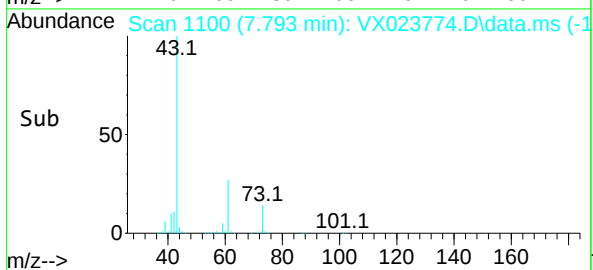
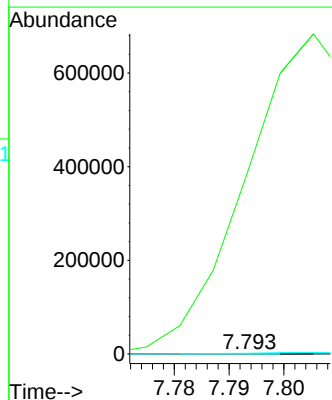
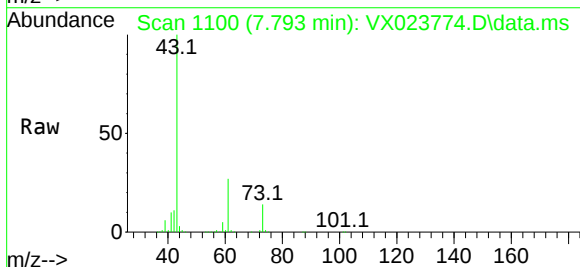
Instrument :
MSVOA_X
ClientSampleId :
PB138430TB

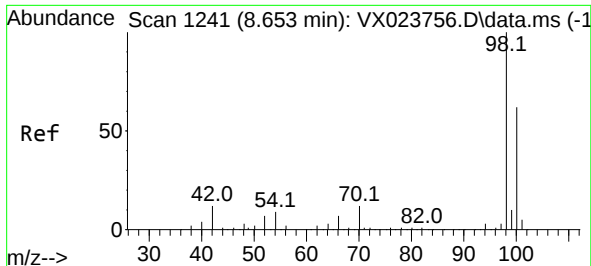
Tgt Ion: 41 Resp: 6125
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 0.699 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 3743374.2 23.2 34.8#
58 16900.0 55.0 82.4#

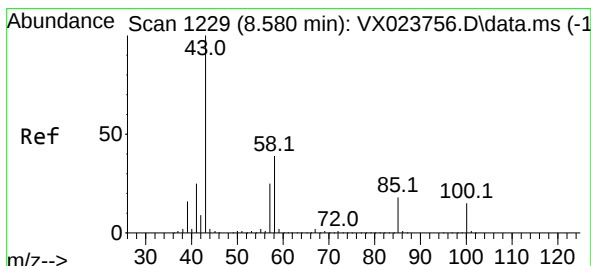
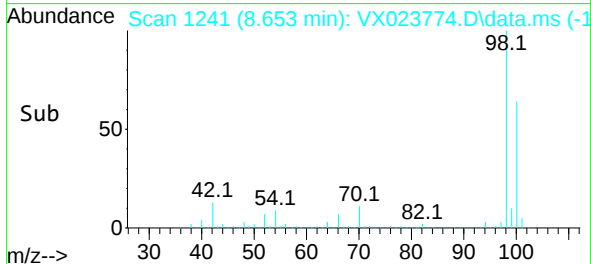
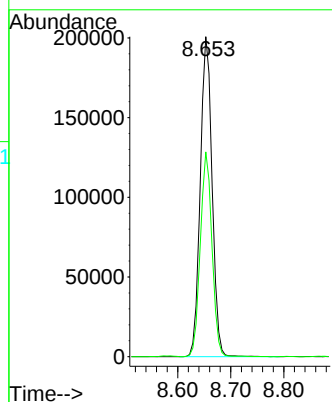
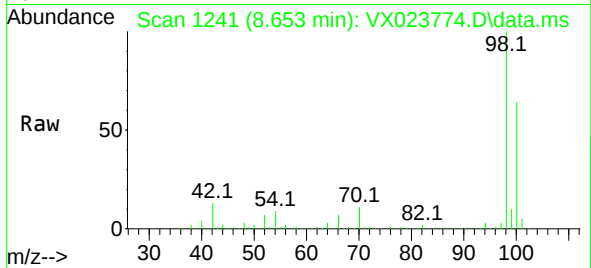




#50
Toluene-d8
Concen: 50.808 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

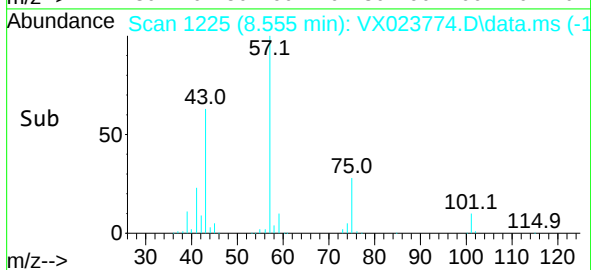
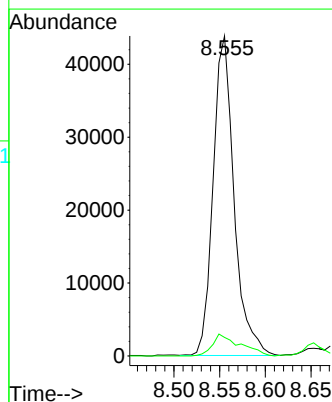
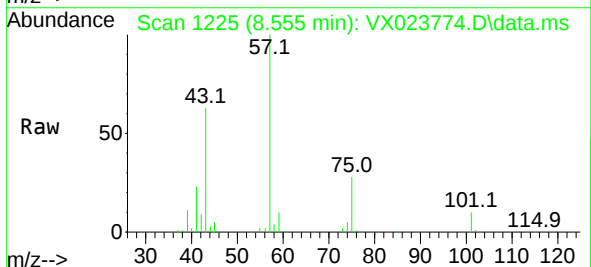
Instrument :
MSVOA_X
ClientSampleId :
PB138430TB

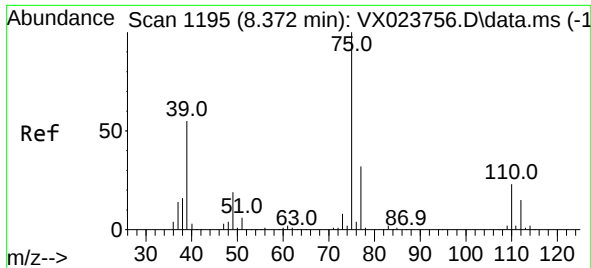
Tgt Ion: 98 Resp: 309157
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 25.094 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Tgt Ion: 43 Resp: 69765
Ion Ratio Lower Upper
43 100
58 9.1 35.4 53.0#

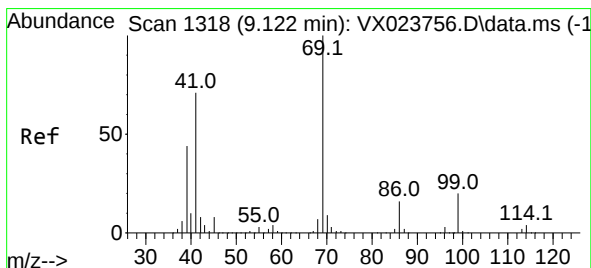
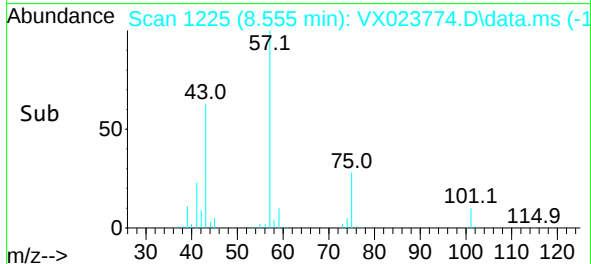
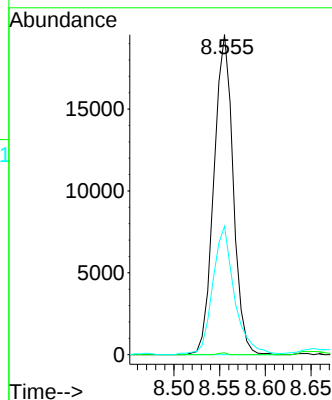
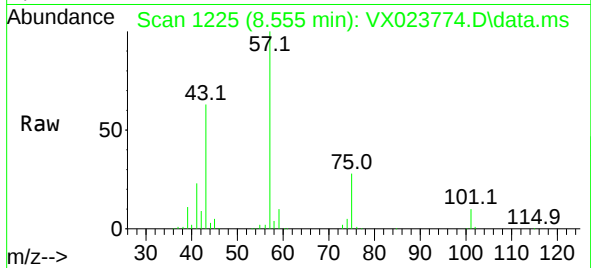




#54
 cis-1,3-Dichloropropene
 Concen: 10.675 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023774.D
 Acq: 17 Aug 2021 19:38

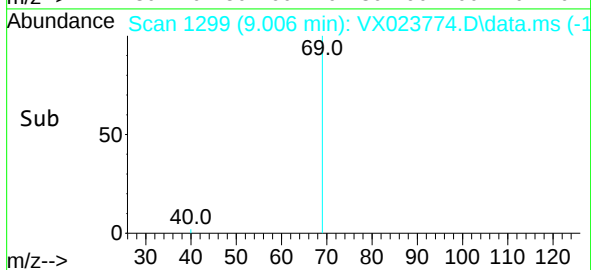
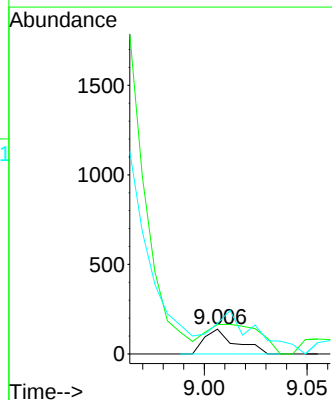
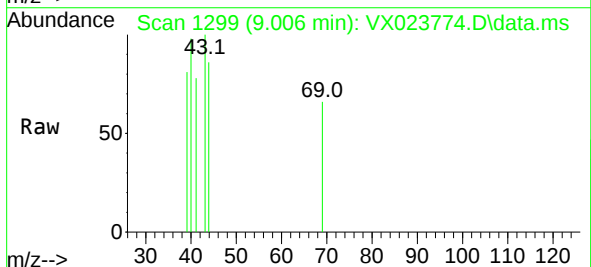
Instrument :
 MSVOA_X
 ClientSampleId :
 PB138430TB

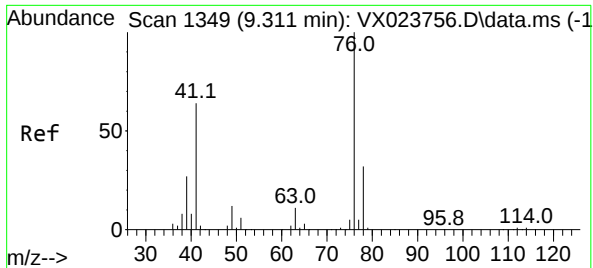
Tgt Ion: 75 Resp: 28600
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 39.8 35.1 52.7



#56
 Ethyl methacrylate
 Concen: 0.807 ug/l
 RT: 9.006 min Scan# 1299
 Delta R.T. -0.116 min
 Lab File: VX023774.D
 Acq: 17 Aug 2021 19:38

Tgt Ion: 69 Resp: 145
 Ion Ratio Lower Upper
 69 100
 41 0.0 46.8 70.2#
 39 249.0 24.7 37.1#



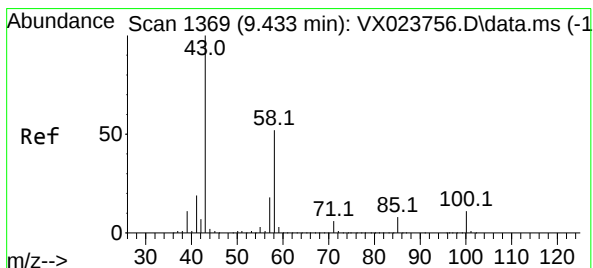
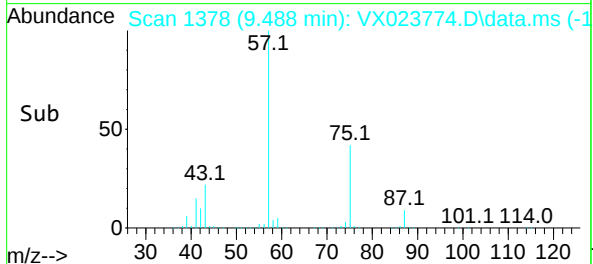
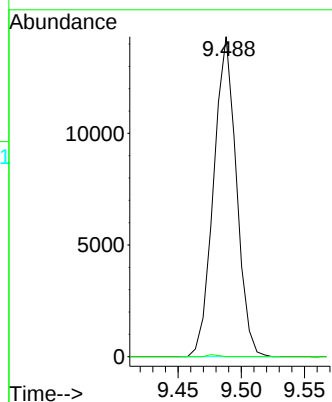
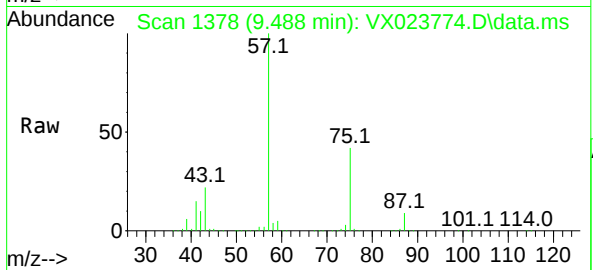


#57

1,3-Dichloropropane
Concen: 6.124 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Instrument :
MSVOA_X
ClientSampleId :
PB138430TB

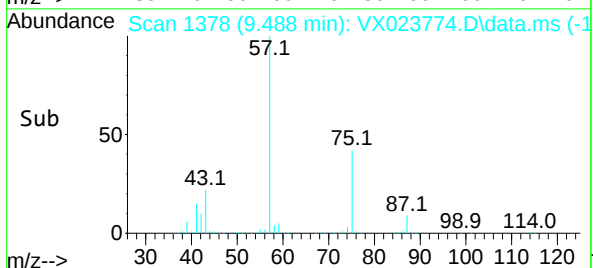
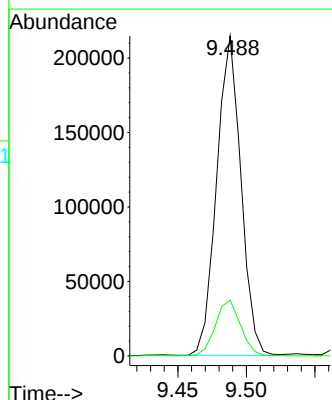
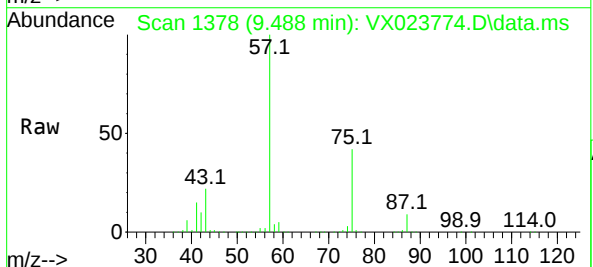
Tgt Ion: 76 Resp: 17924
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

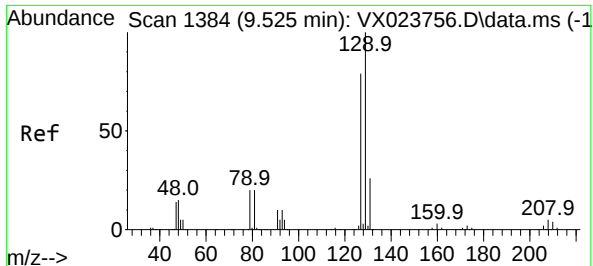


#59

2-Hexanone
Concen: 123.300 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Tgt Ion: 43 Resp: 263497
Ion Ratio Lower Upper
43 100
58 18.1 30.9 92.8#





#60

Dibromochloromethane

Concen: 1.698 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX023774.D

Acq: 17 Aug 2021 19:38

Instrument :

MSVOA_X

ClientSampleId :

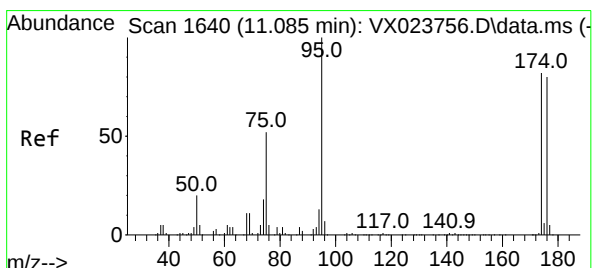
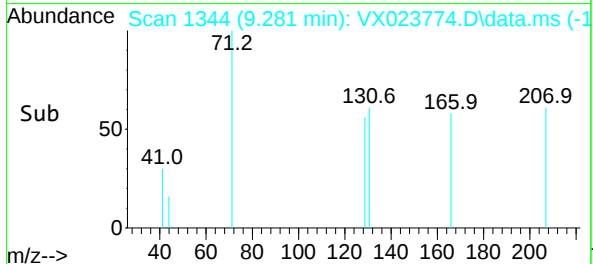
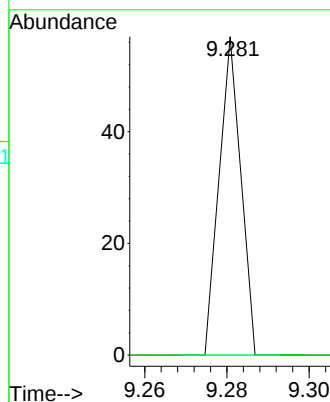
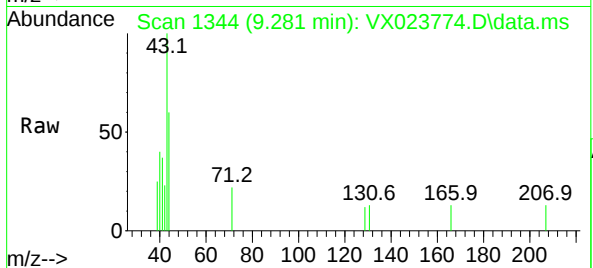
PB138430TB

Tgt Ion:129 Resp: 21

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 47.694 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023774.D

Acq: 17 Aug 2021 19:38

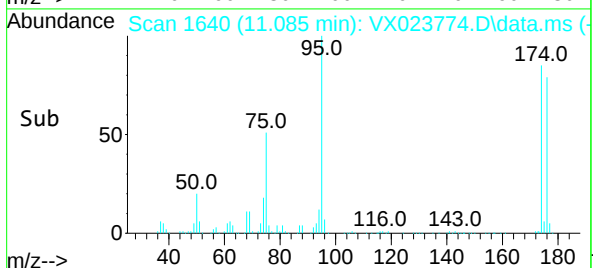
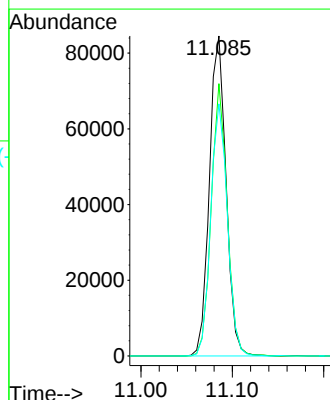
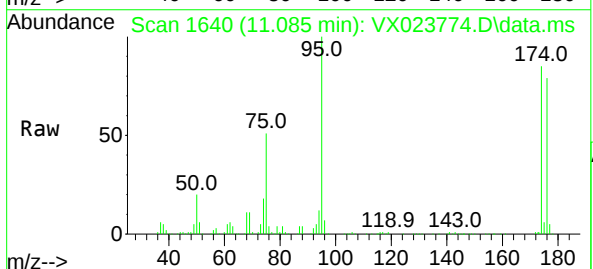
Tgt Ion: 95 Resp: 106832

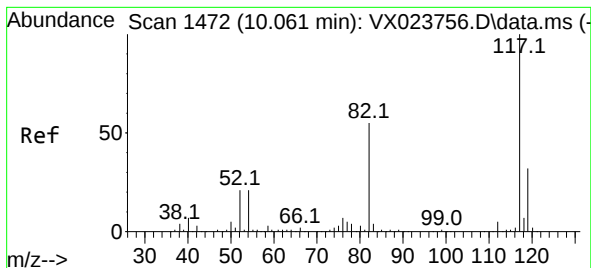
Ion Ratio Lower Upper

95 100

174 81.4 0.0 154.6

176 78.7 0.0 155.8

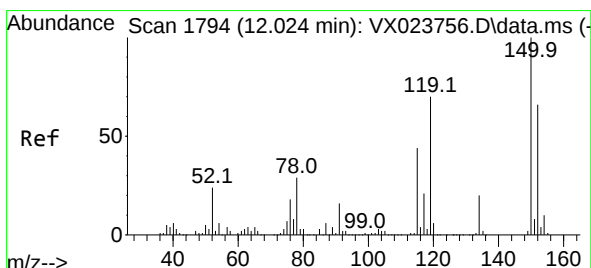
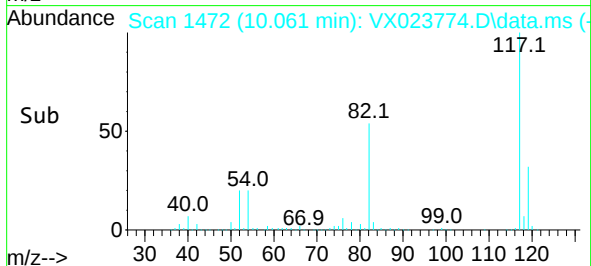
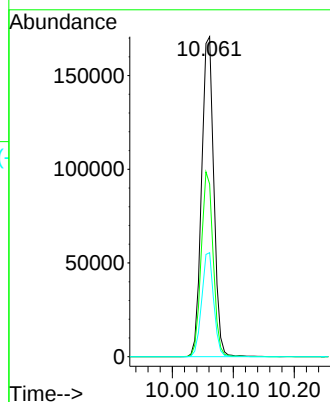
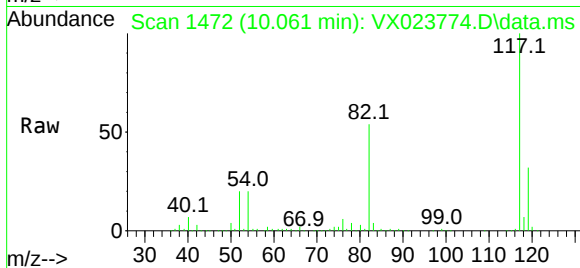




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

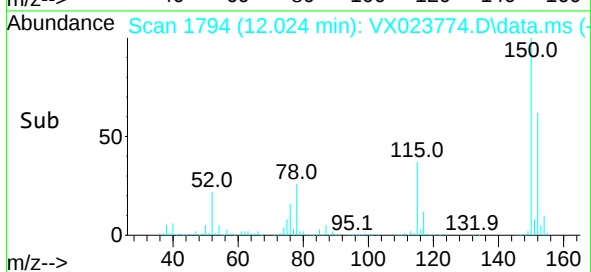
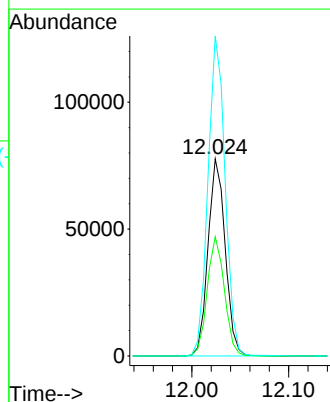
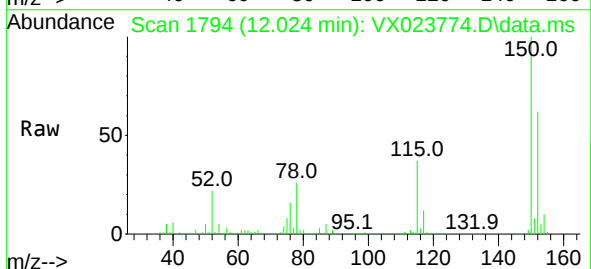
Instrument :
MSVOA_X
ClientSampleId :
PB138430TB

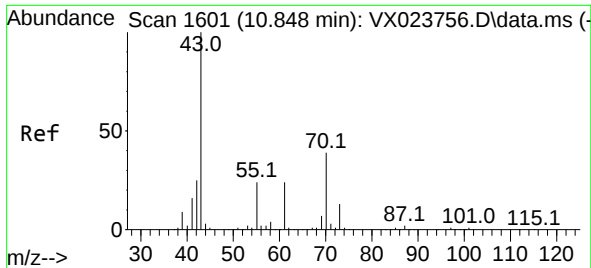
Tgt Ion:117 Resp: 237758
Ion Ratio Lower Upper
117 100
82 53.9 47.4 71.2
119 32.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Tgt Ion:152 Resp: 96091
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 161.8 0.0 349.0

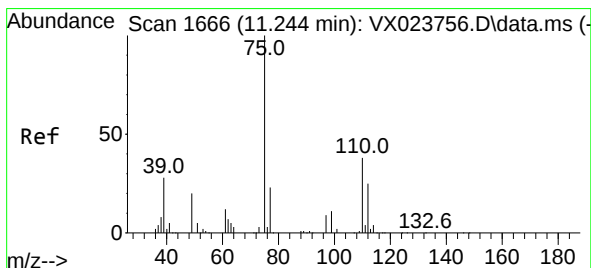
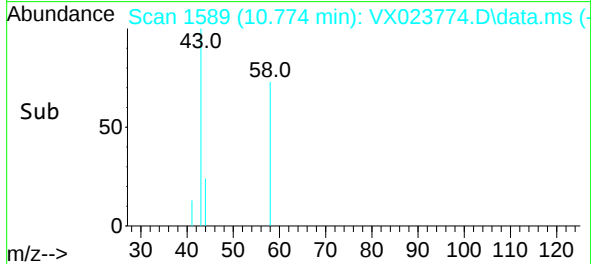
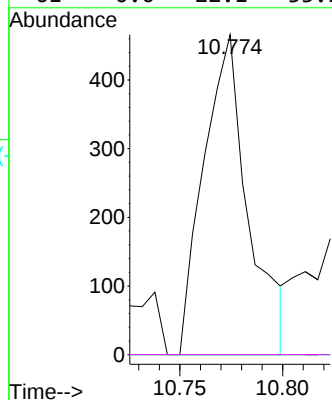
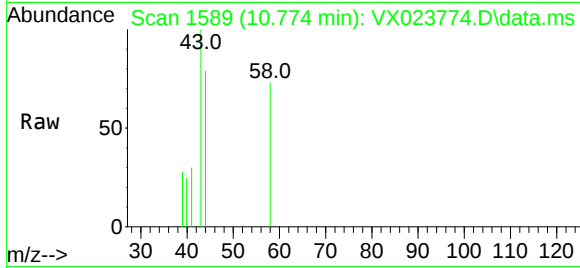




#74
N-amy1 acetate
Concen: 0.212 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

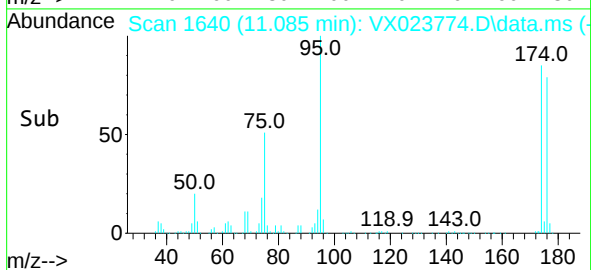
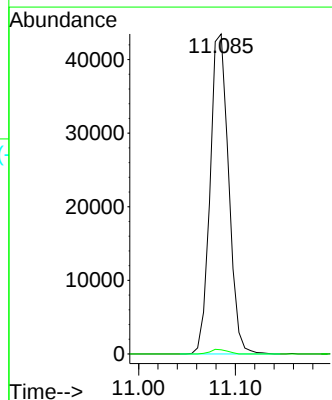
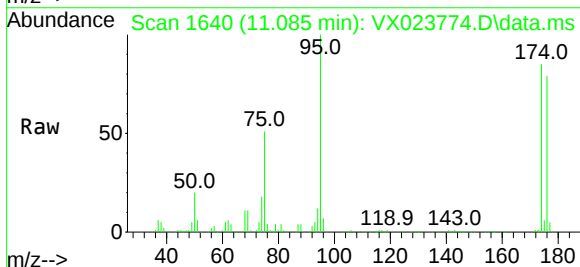
Instrument :
MSVOA_X
ClientSampleId :
PB138430TB

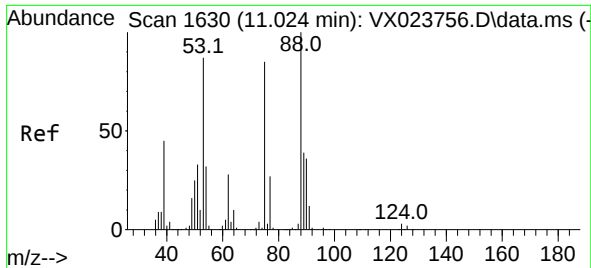
Tgt Ion: 43	Resp: 703
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.6#
55 0.0	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 25.814 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Tgt Ion: 75	Resp: 57864
Ion Ratio	Lower Upper
75 100	
77 1.3	19.1 57.5#

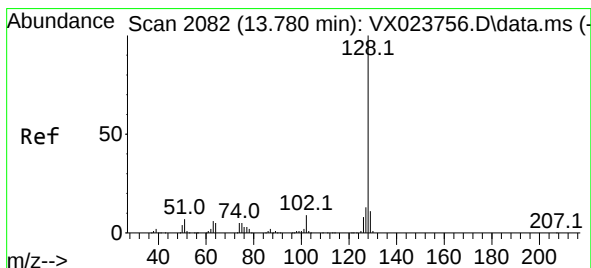
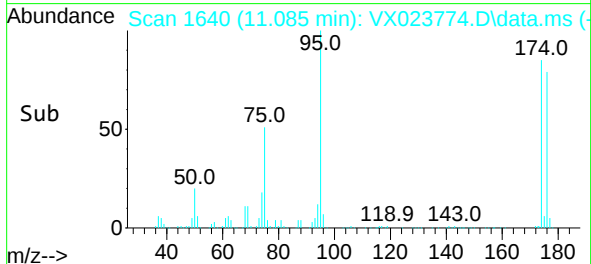
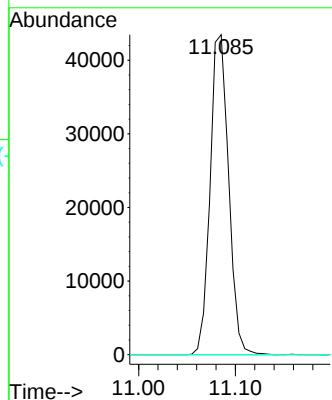
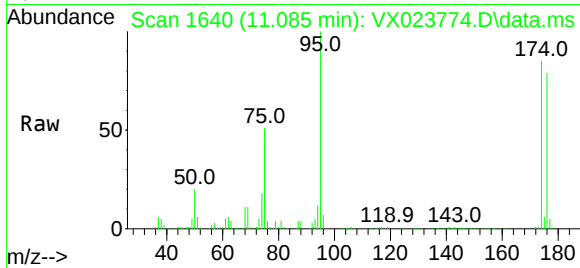




#81
trans-1,4-Dichloro-2-butene
Concen: 75.934 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Instrument :
MSVOA_X
ClientSampleId :
PB138430TB

Tgt Ion: 75 Resp: 57864
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.312 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023774.D
Acq: 17 Aug 2021 19:38

Tgt Ion: 128 Resp: 214
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

