

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072221\
 Data File : VX023406.D
 Acq On : 23 Jul 2021 04:49
 Operator : JC/MD
 Sample : PB137858ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137858ZHE#07

Quant Time: Jul 23 06:13:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

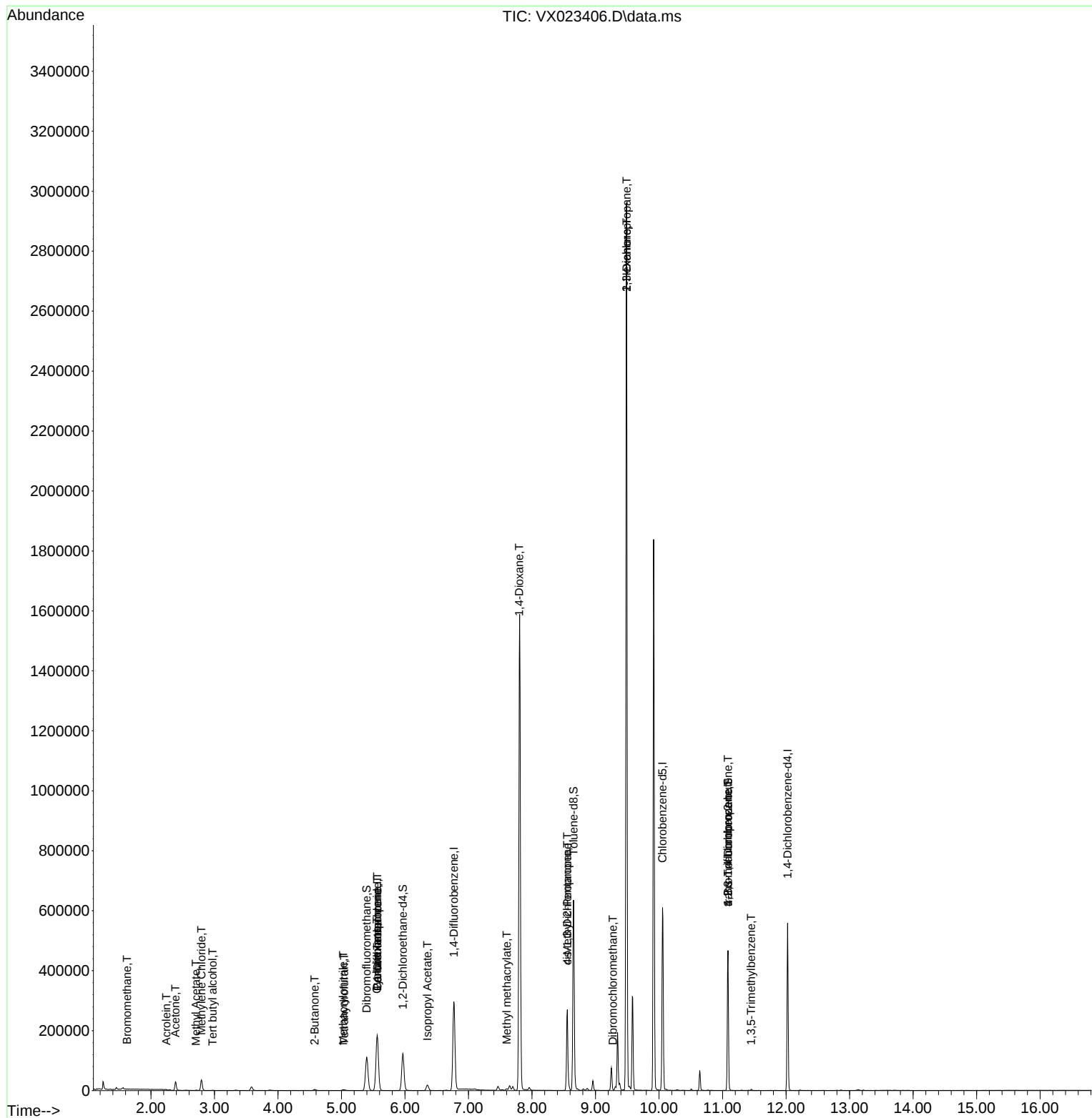
Internal Standards						
1) Pentafluorobenzene	5.562	168	177920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	304073	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	278087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	115760	52.158	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.320%			
35) Dibromofluoromethane	5.397	113	93991	49.438	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.880%			
50) Toluene-d8	8.653	98	367445	52.604	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.200%			
62) 4-Bromofluorobenzene	11.085	95	119437	50.285	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.560%			
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	507	0.442	ug/l	96
11) Tert butyl alcohol	2.971	59	848	1.673	ug/l #	92
13) Acrolein	2.239	56	207	2.162	ug/l #	70
16) Acetone	2.386	43	30557	28.067	ug/l	95
18) Methyl Acetate	2.709	43	1672	0.646	ug/l #	87
20) Methylene Chloride	2.794	84	15719	7.423	ug/l	90
25) 2-Butanone	4.574	43	6535	3.866	ug/l #	88
29) Tetrahydrofuran	5.044	42	2905	2.622	ug/l	93
31) Cyclohexane	5.556	56	3695	1.124	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	12940	4.704	ug/l #	50
38) Carbon Tetrachloride	5.562	117	17395	6.218	ug/l #	16
41) Methacrylonitrile	5.025	41	2001	1.093	ug/l #	37
43) Isopropyl Acetate	6.354	43	25982	4.835	ug/l	92
48) Methyl methacrylate	7.604	41	7532	3.026	ug/l #	10
49) 1,4-Dioxane	7.799	88	165	3.113	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	93372	28.406	ug/l #	46
54) cis-1,3-Dichloropropene	8.555	75	39456	12.001	ug/l #	68
57) 1,3-Dichloropropane	9.488	76	24764	7.123	ug/l #	43
59) 2-Hexanone	9.488	43	344503	138.015	ug/l #	44
60) Dibromochloromethane	9.275	129	45	2.002	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	60379	24.554	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	1897	0.276	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.085	75	60379	66.023	ug/l #	12

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
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Response via : Initial Calibration

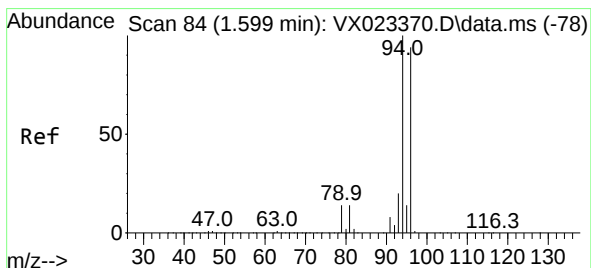
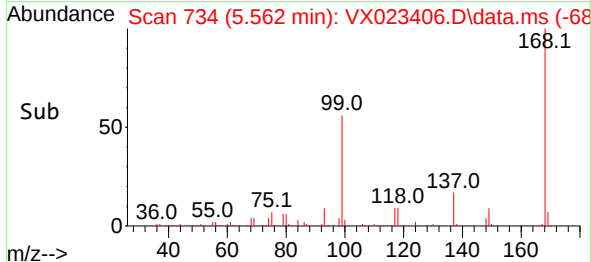
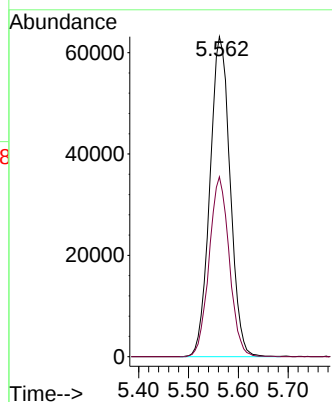
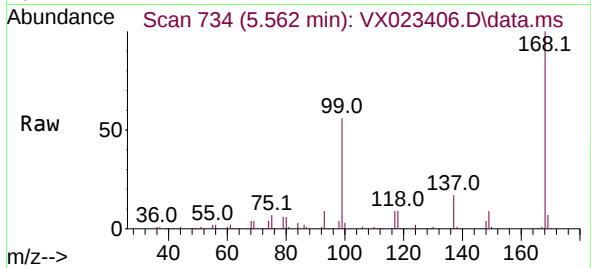




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

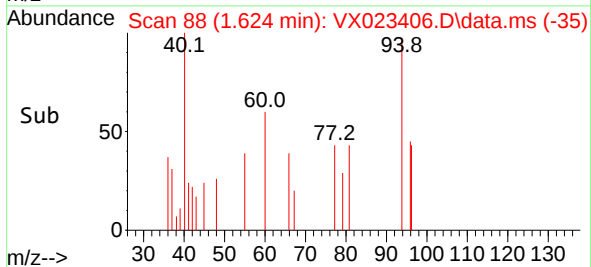
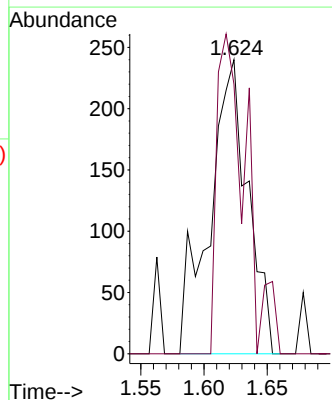
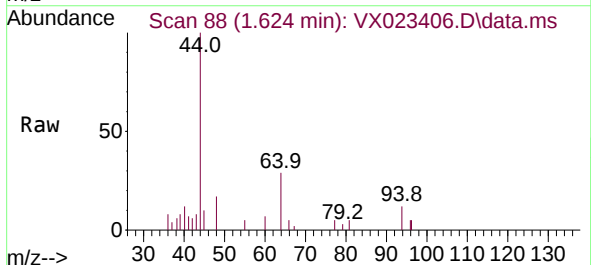
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#07

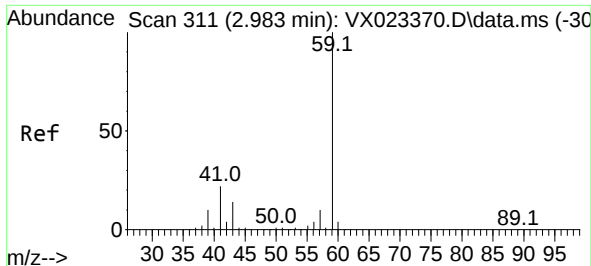
Tgt Ion:168 Resp: 177920
Ion Ratio Lower Upper
168 100
99 56.2 45.8 68.6



#5
Bromomethane
Concen: 0.442 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

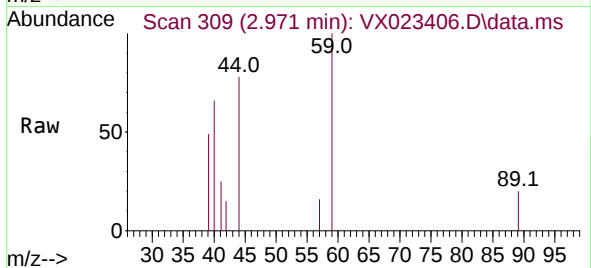
Tgt Ion: 94 Resp: 507
Ion Ratio Lower Upper
94 100
96 91.7 76.4 114.6



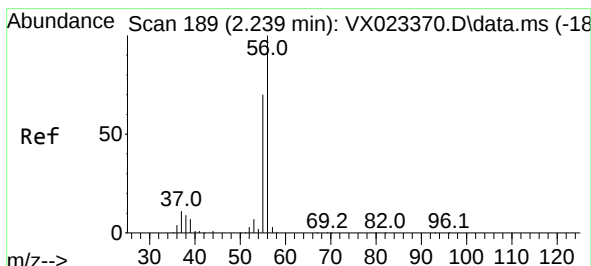
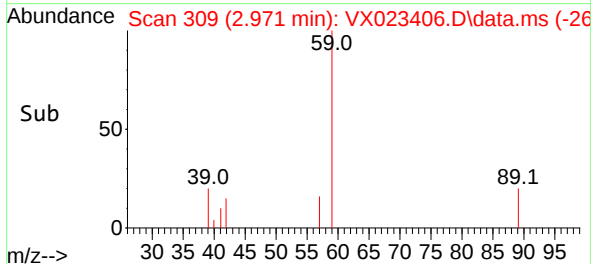
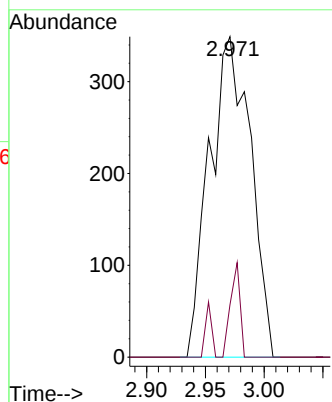


#11
Tert butyl alcohol
Concen: 1.673 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#07

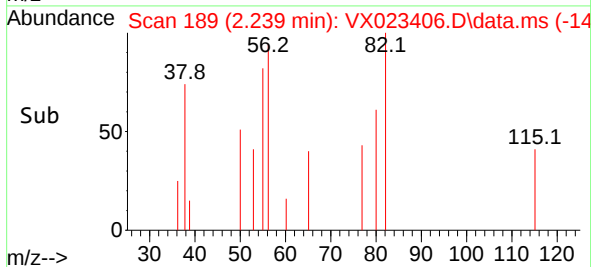
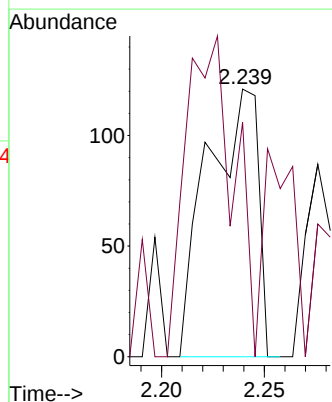
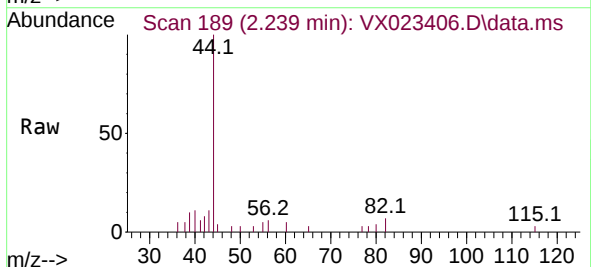


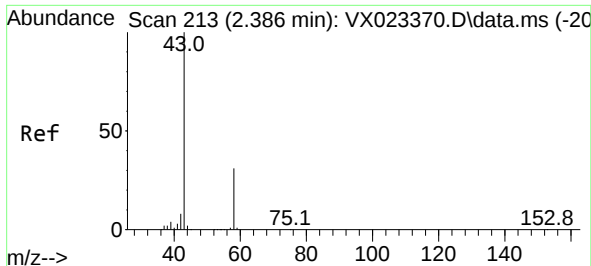
Tgt Ion: 59 Resp: 848
Ion Ratio Lower Upper
59 100
57 7.0 7.8 11.8#



#13
Acrolein
Concen: 2.162 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

Tgt Ion: 56 Resp: 207
Ion Ratio Lower Upper
56 100
55 45.4 56.4 84.6#

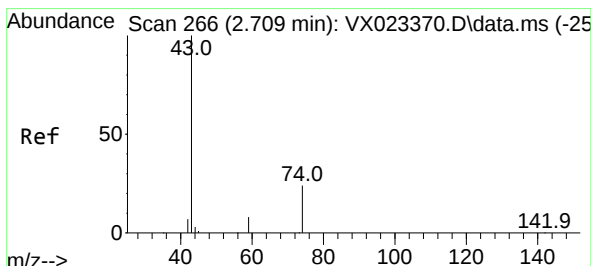
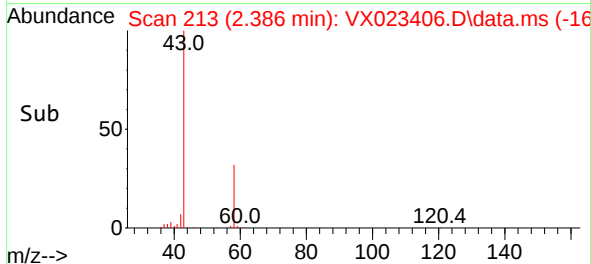
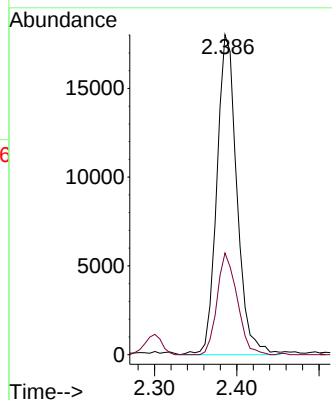
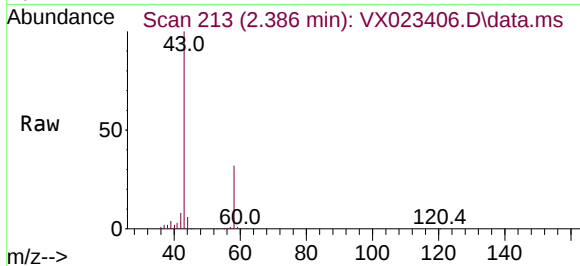




#16
Acetone
Concen: 28.067 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

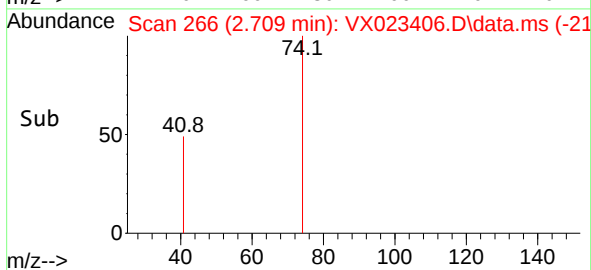
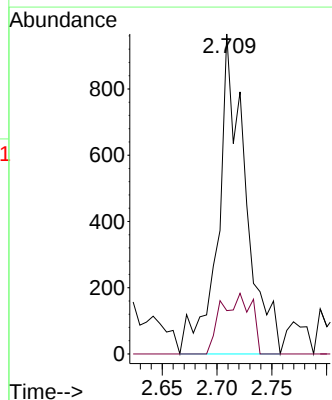
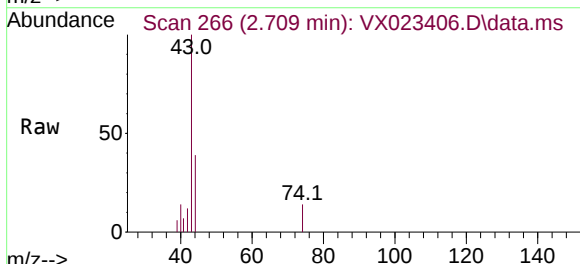
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#07

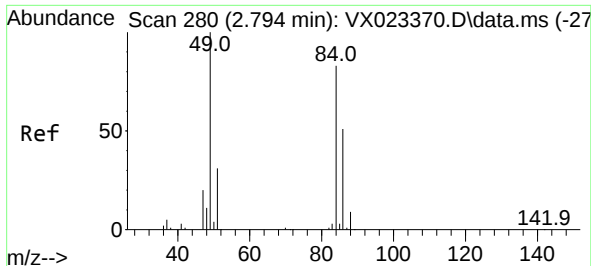
Tgt Ion: 43 Resp: 30557
Ion Ratio Lower Upper
43 100
58 31.8 27.8 41.8



#18
Methyl Acetate
Concen: 0.646 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

Tgt Ion: 43 Resp: 1672
Ion Ratio Lower Upper
43 100
74 20.9 21.9 32.9#

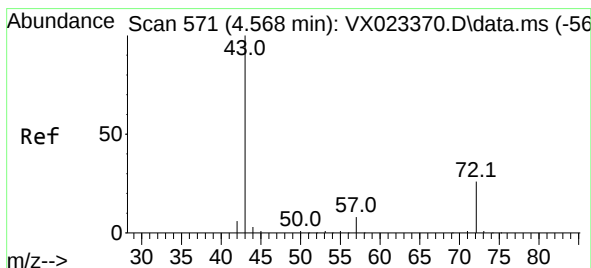
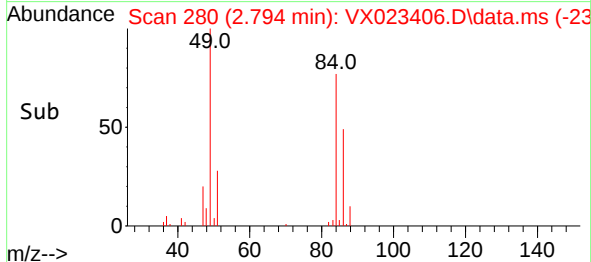
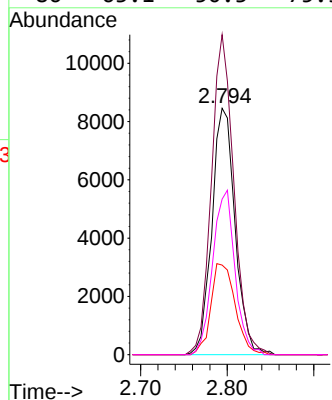
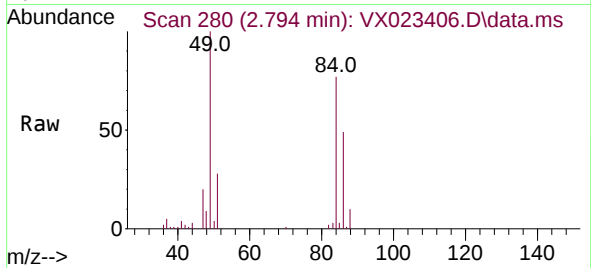




#20
Methylene Chloride
Concen: 7.423 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

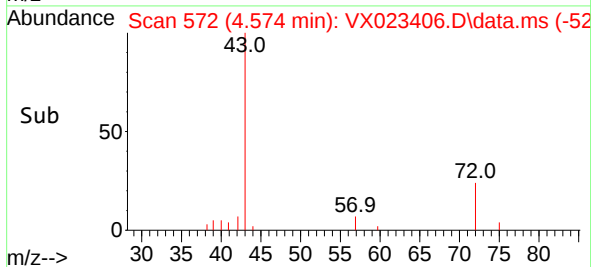
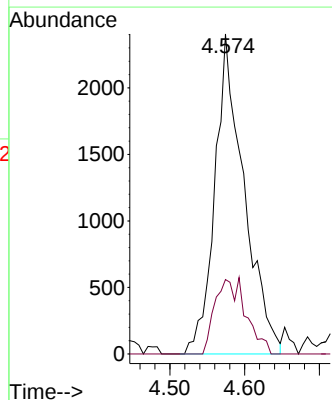
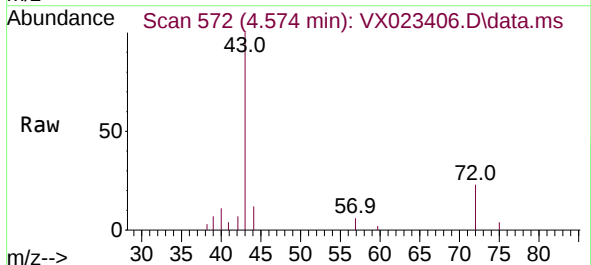
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#07

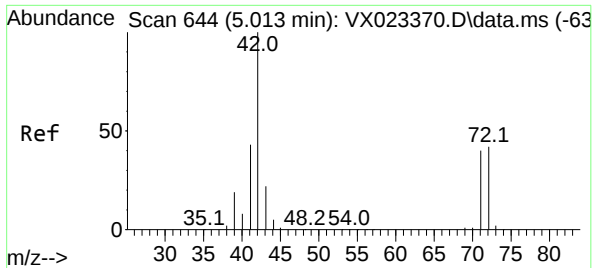
Tgt Ion:	84	Resp:	15719
Ion	Ratio	Lower	Upper
84	100		
49	129.9	88.6	132.8
51	36.4	27.0	40.6
86	63.1	50.3	75.5



#25
2-Butanone
Concen: 3.866 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

Tgt Ion:	43	Resp:	6535
Ion	Ratio	Lower	Upper
43	100		
72	23.2	23.7	35.5#





#29

Tetrahydrofuran

Concen: 2.622 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.031 min

Lab File: VX023406.D

Acq: 23 Jul 2021 04:49

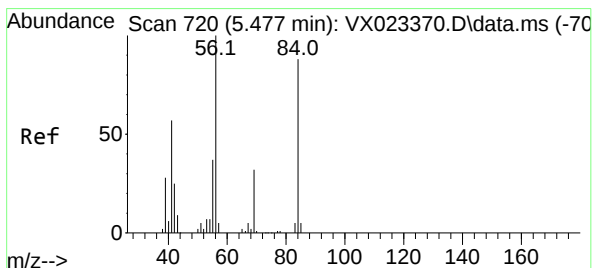
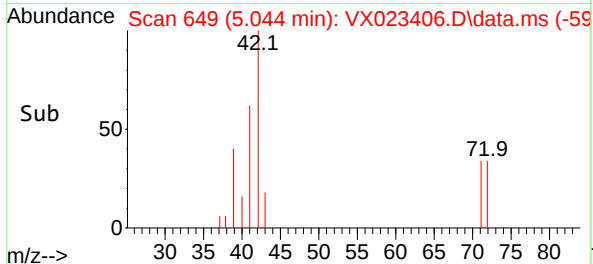
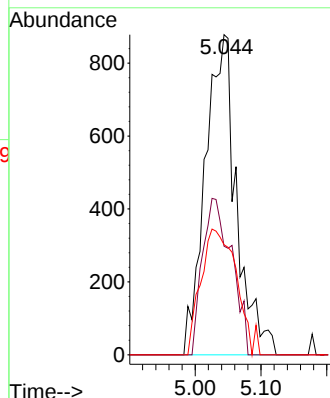
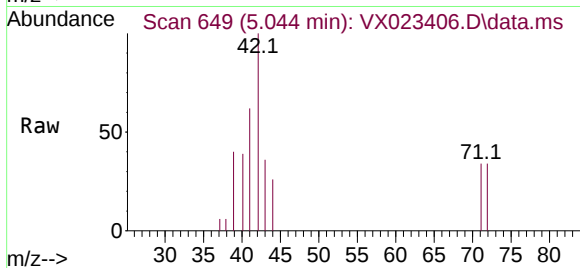
Instrument :

MSVOA_X

ClientSampleId :

PB137858ZHE#07

Tgt Ion:	42	Resp:	2905
Ion	Ratio	Lower	Upper
42	100		
72	45.3	41.7	62.5
71	44.7	38.4	57.6



#31

Cyclohexane

Concen: 1.124 ug/l

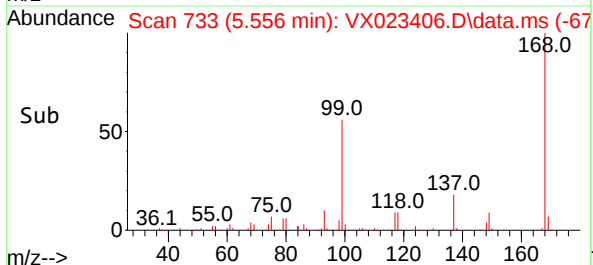
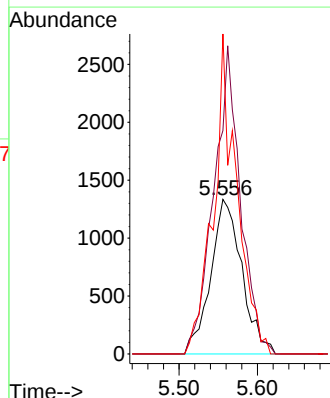
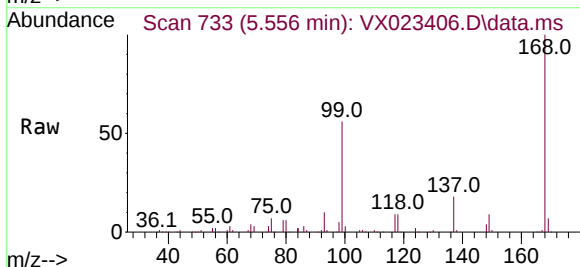
RT: 5.556 min Scan# 733

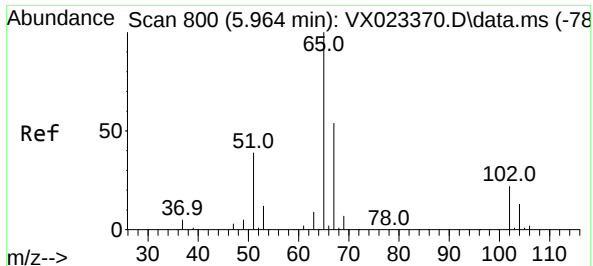
Delta R.T. 0.079 min

Lab File: VX023406.D

Acq: 23 Jul 2021 04:49

Tgt Ion:	56	Resp:	3695
Ion	Ratio	Lower	Upper
56	100		
69	144.5	25.3	37.9#
84	207.1	71.4	107.0#



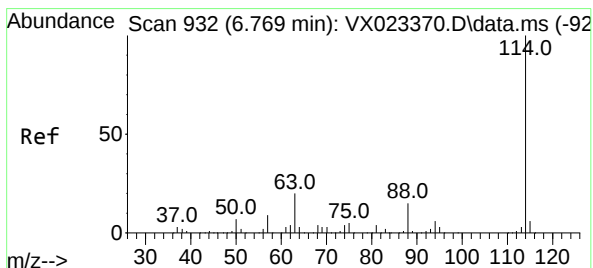
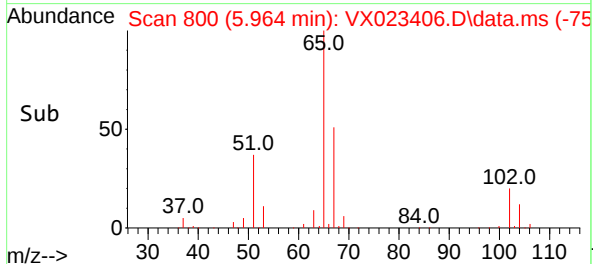
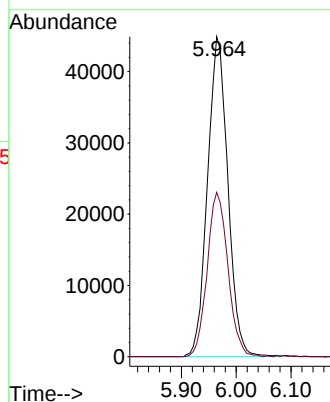
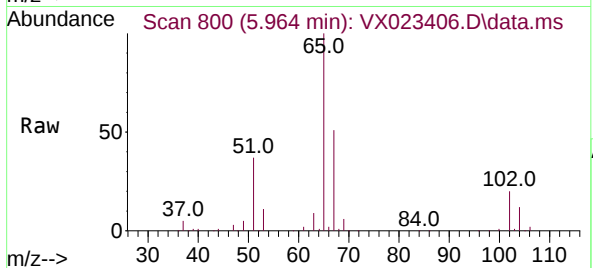


#33

1,2-Dichloroethane-d4
Concen: 52.158 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
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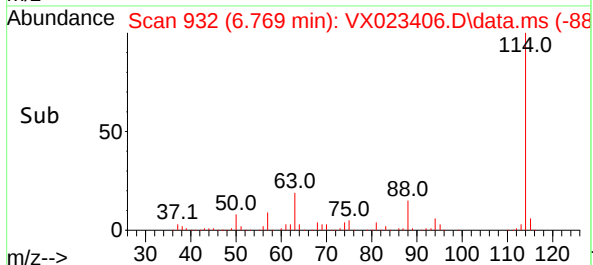
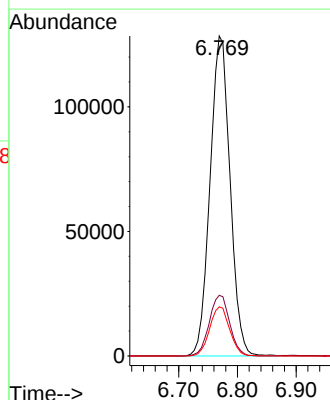
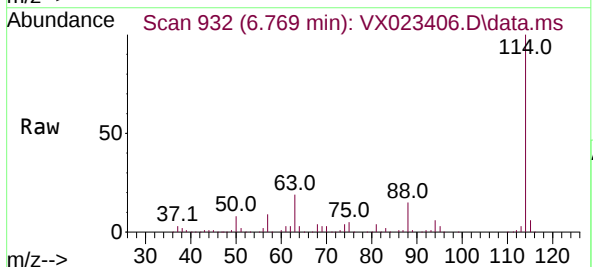
Tgt Ion: 65 Resp: 115760
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.4

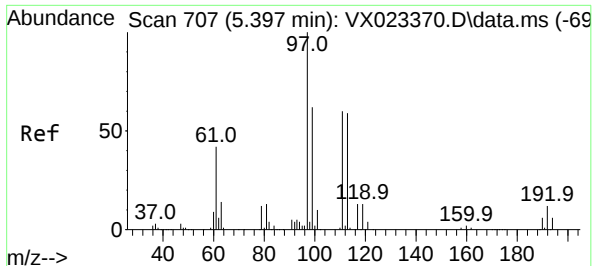


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

Tgt Ion: 114 Resp: 304073
Ion Ratio Lower Upper
114 100
63 19.0 0.0 40.8
88 15.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.438 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023406.D

Acq: 23 Jul 2021 04:49

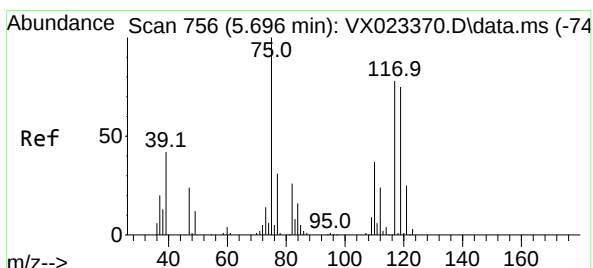
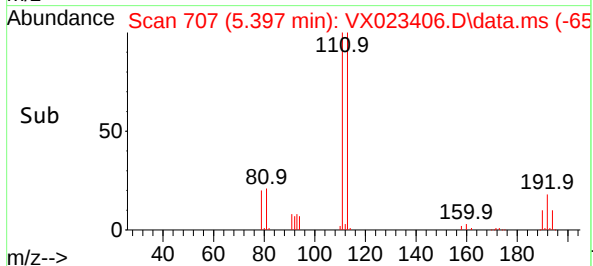
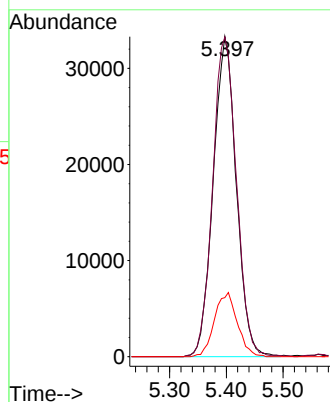
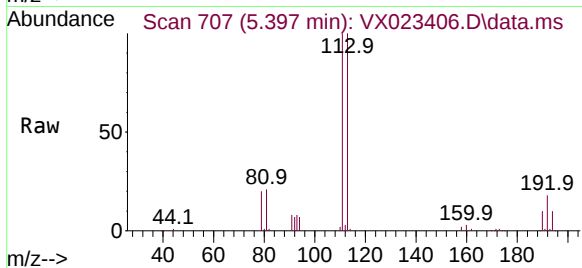
Tgt Ion:113 Resp: 93991

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

192 19.9 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.704 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX023406.D

Acq: 23 Jul 2021 04:49

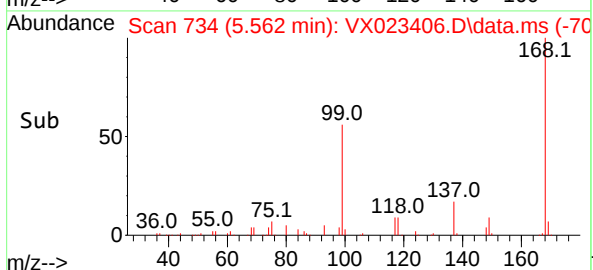
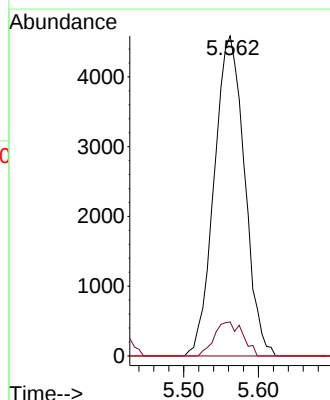
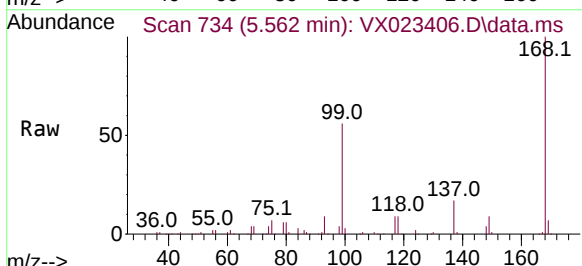
Tgt Ion: 75 Resp: 12940

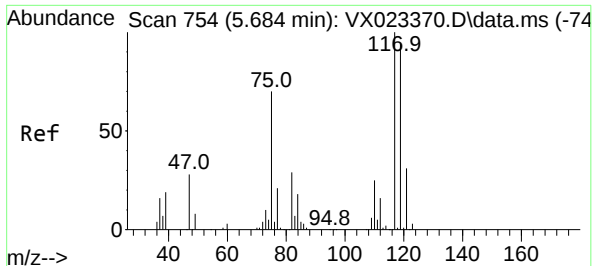
Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.4#

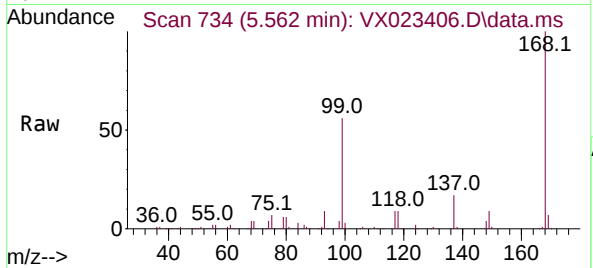
77 0.0 25.3 37.9#



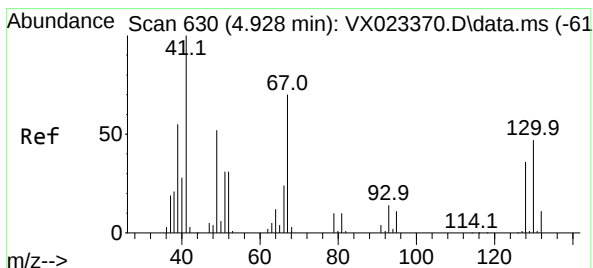
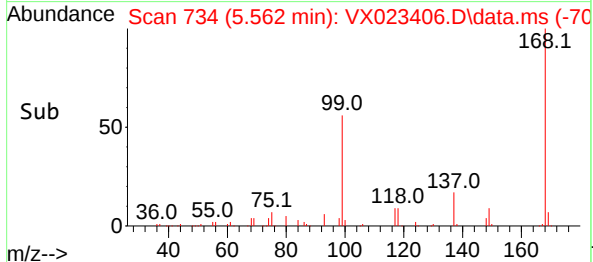
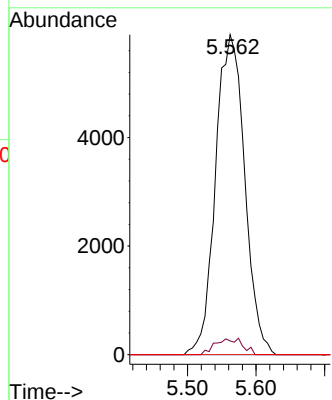


#38
Carbon Tetrachloride
Concen: 6.218 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#07

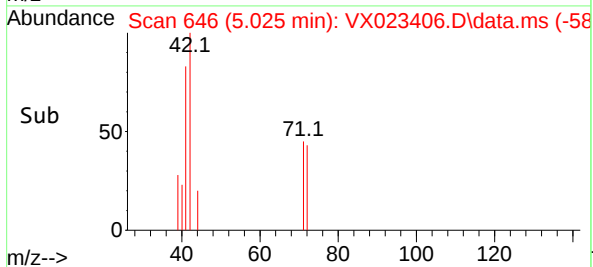
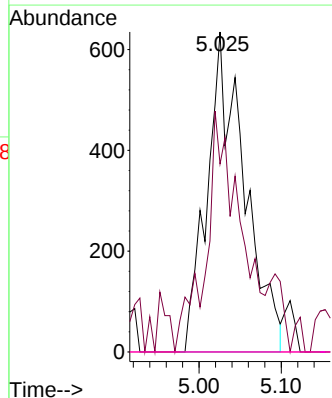
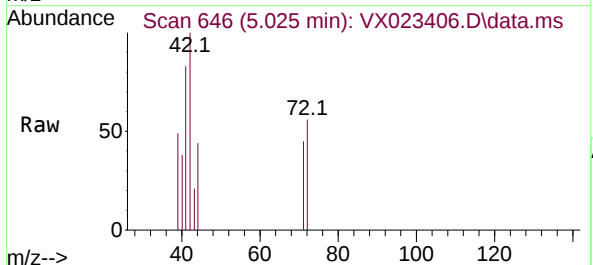


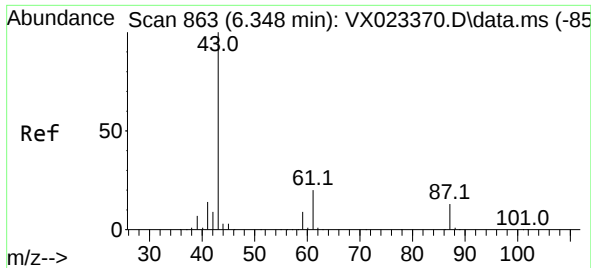
Tgt Ion:117 Resp: 17395
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 1.093 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.097 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

Tgt Ion: 41 Resp: 2001
Ion Ratio Lower Upper
41 100
39 69.6 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

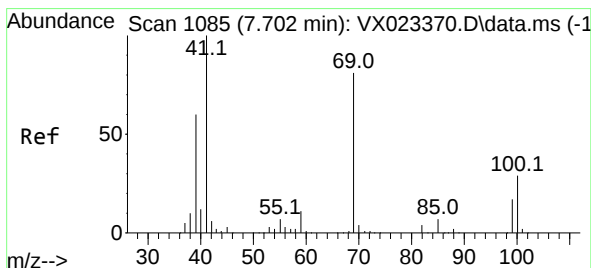
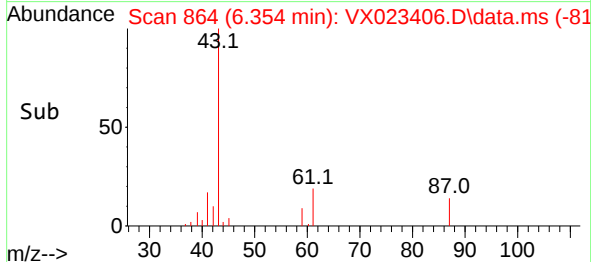
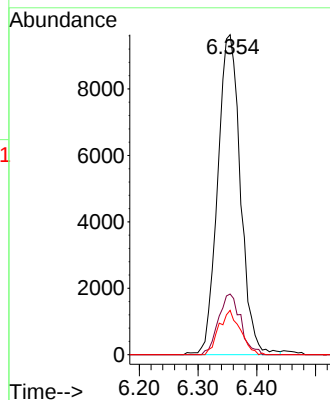
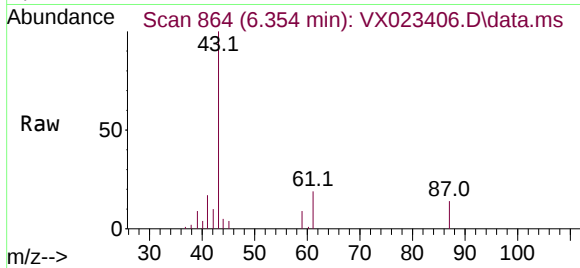




#43
Isopropyl Acetate
Concen: 4.835 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

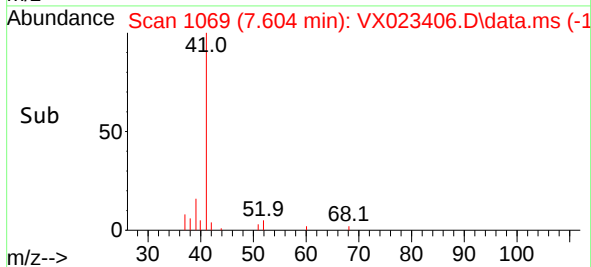
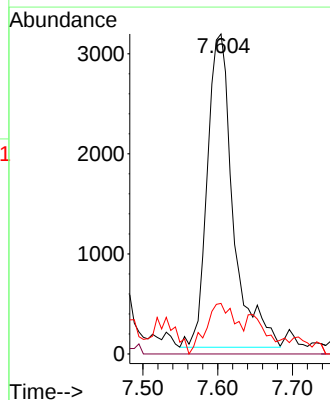
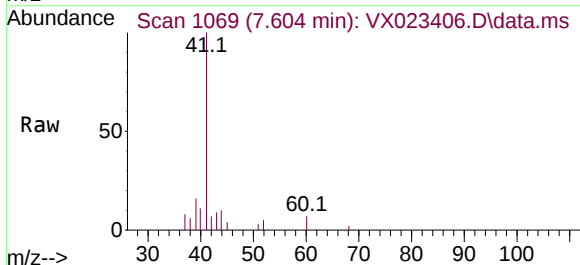
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#07

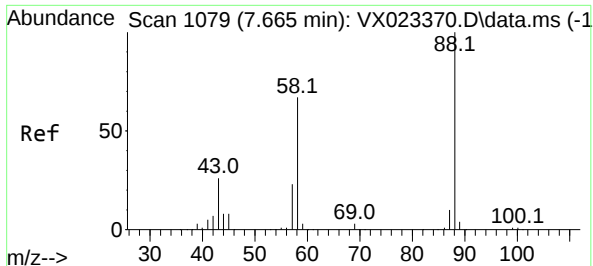
Tgt Ion: 43	Resp: 25982
Ion Ratio	Lower Upper
43 100	
61 18.5	18.2 27.4
87 13.0	12.5 18.7



#48
Methyl methacrylate
Concen: 3.026 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

Tgt Ion: 41	Resp: 7532
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: 3.113 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX023406.D

Acq: 23 Jul 2021 04:49

Tgt Ion: 88 Resp: 165

Ion Ratio Lower Upper

88 100

43 873901.2 23.2 34.8#

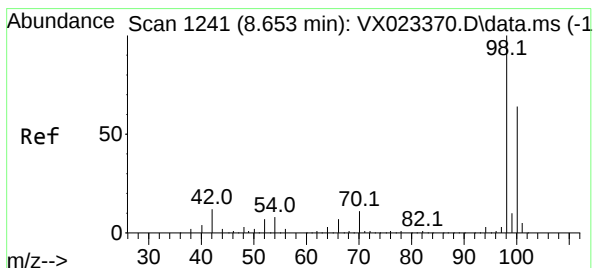
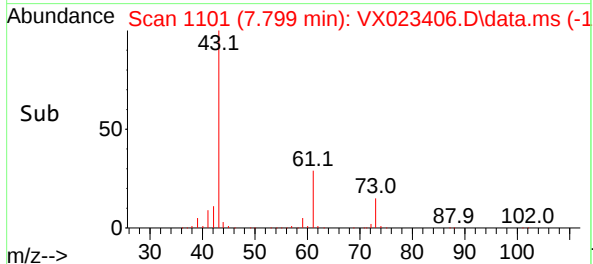
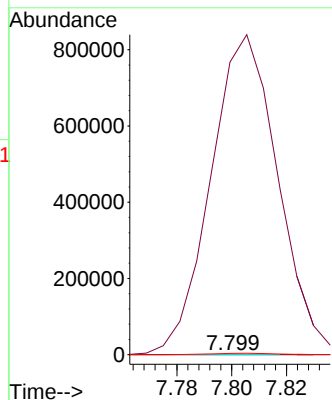
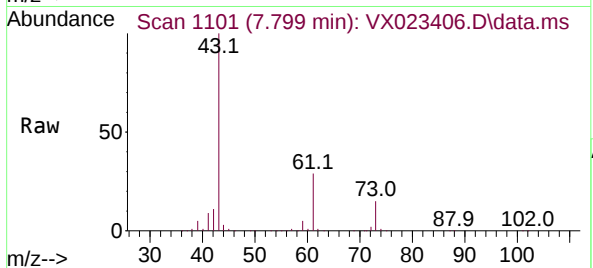
58 3899.4 55.0 82.4#

Instrument :

MSVOA_X

ClientSampleId :

PB137858ZHE#07



#50

Toluene-d8

Concen: 52.604 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023406.D

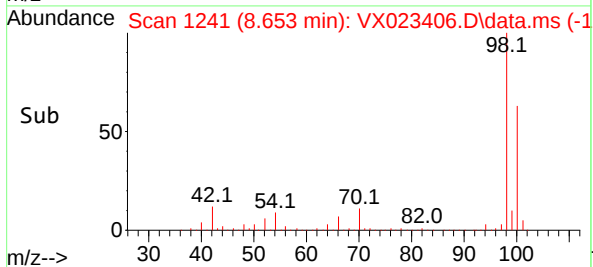
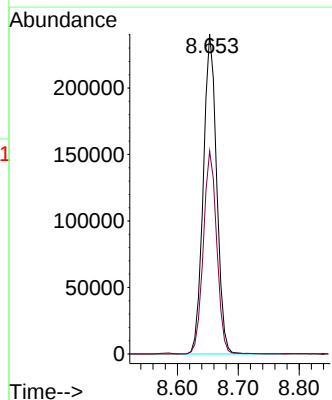
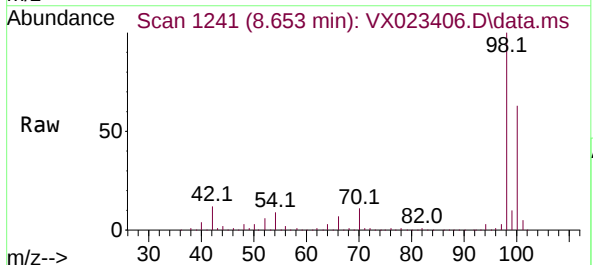
Acq: 23 Jul 2021 04:49

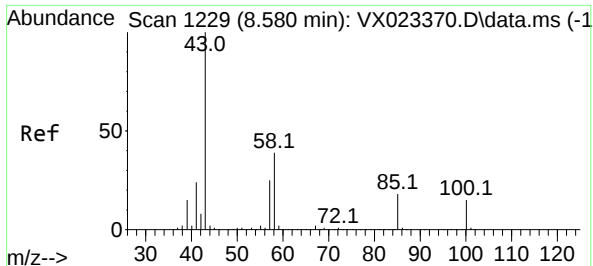
Tgt Ion: 98 Resp: 367445

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9

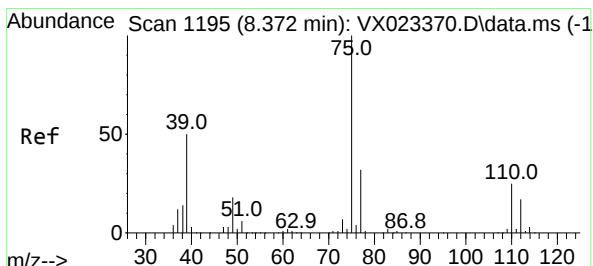
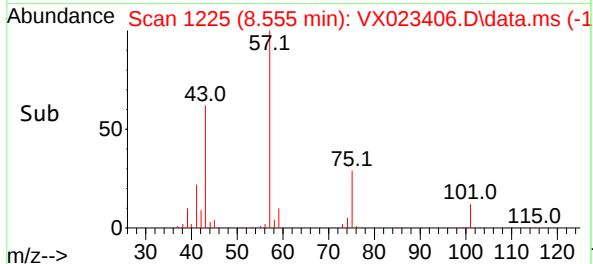
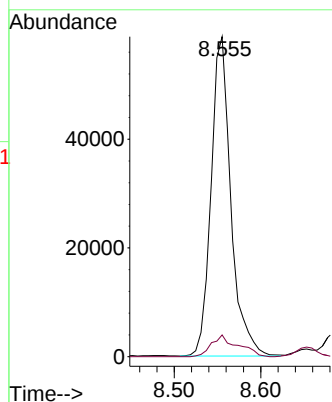
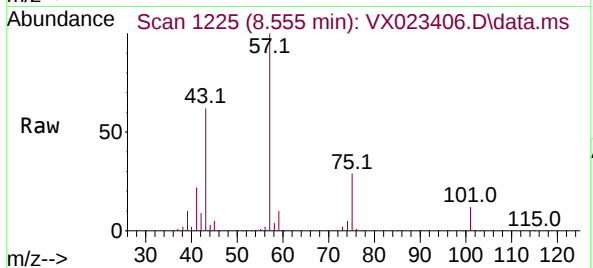




#51
4-Methyl-2-Pentanone
Concen: 28.406 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

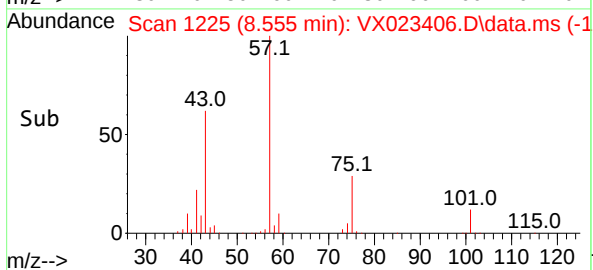
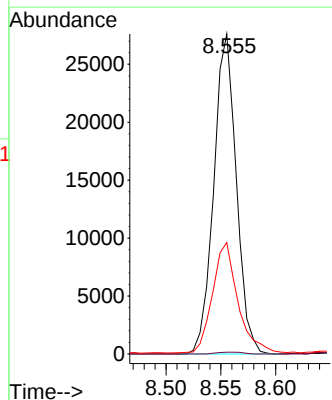
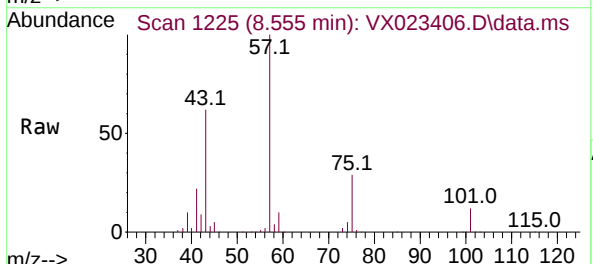
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#07

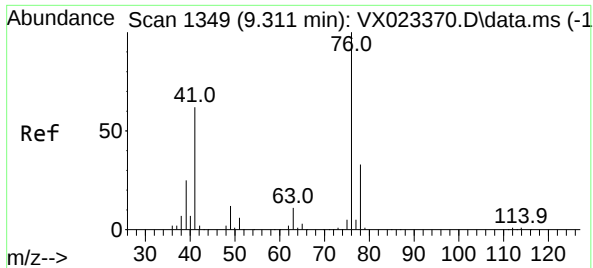
Tgt Ion: 43 Resp: 93372
Ion Ratio Lower Upper
43 100
58 9.0 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 12.001 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

Tgt Ion: 75 Resp: 39456
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 34.4 35.1 52.7#



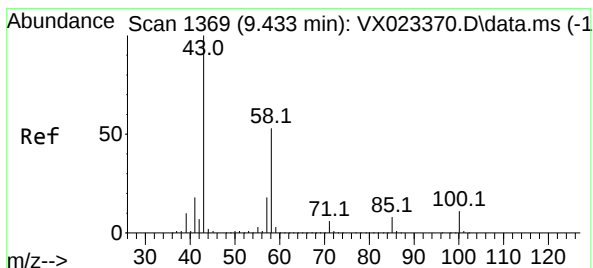
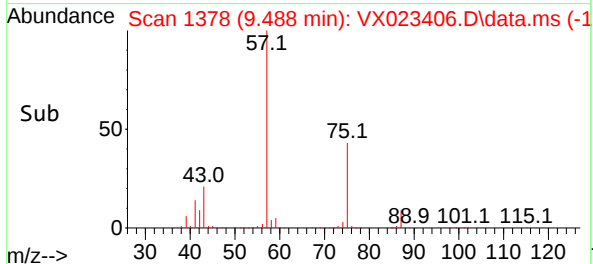
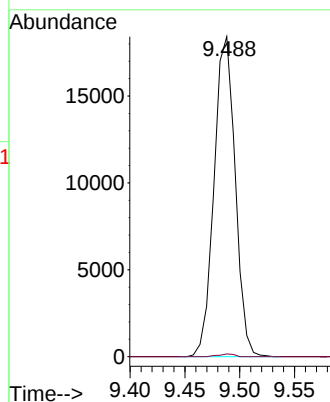
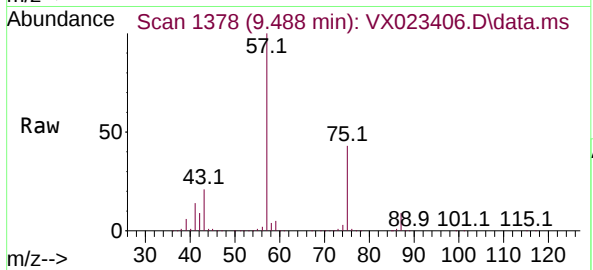


#57

1,3-Dichloropropane
Concen: 7.123 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#07

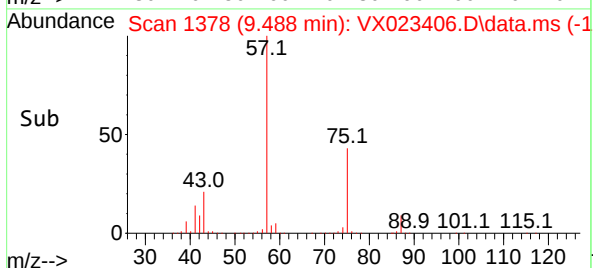
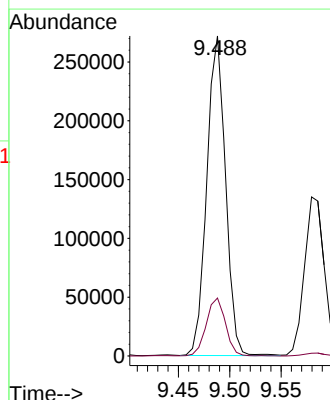
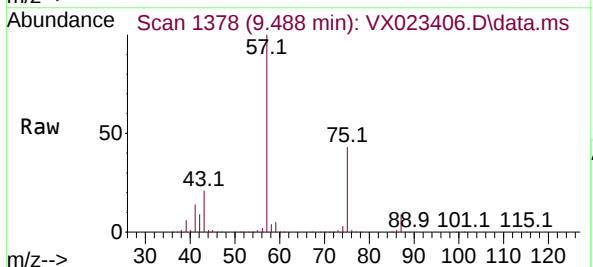
Tgt Ion: 76 Resp: 24764
Ion Ratio Lower Upper
76 100
78 0.6 26.2 39.2#

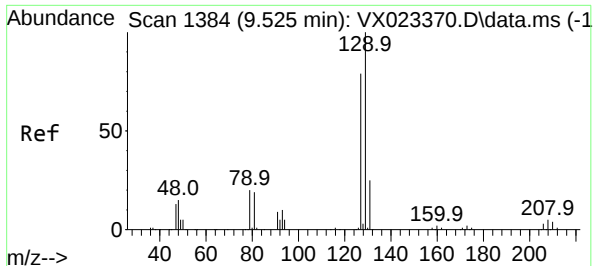


#59

2-Hexanone
Concen: 138.015 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

Tgt Ion: 43 Resp: 344503
Ion Ratio Lower Upper
43 100
58 18.7 30.9 92.8#





#60

Dibromochloromethane

Concen: 2.002 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX023406.D

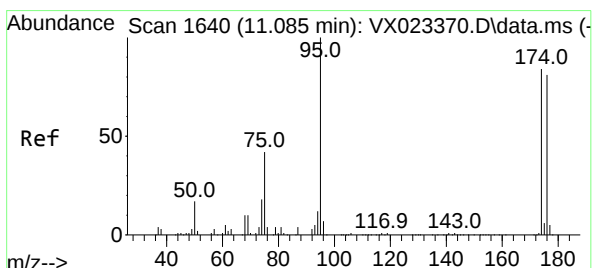
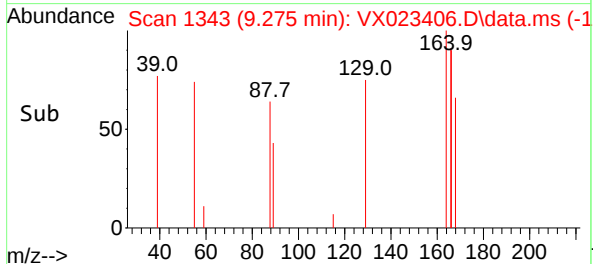
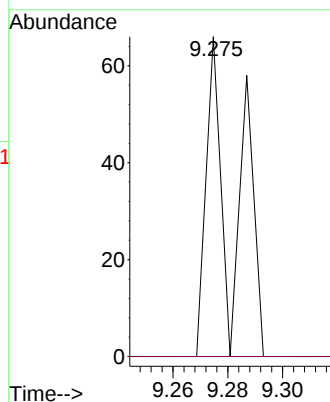
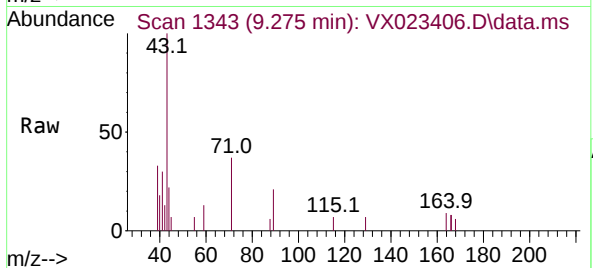
Acq: 23 Jul 2021 04:49

Tgt Ion:129 Resp: 45

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 50.285 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023406.D

Acq: 23 Jul 2021 04:49

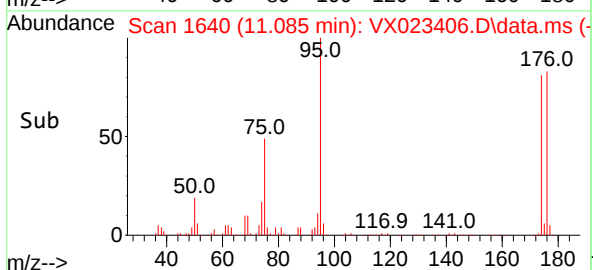
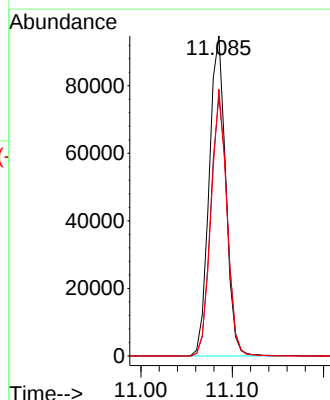
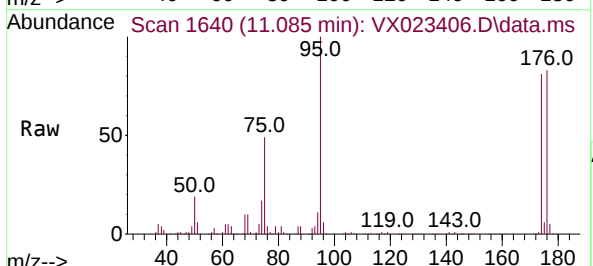
Tgt Ion: 95 Resp: 119437

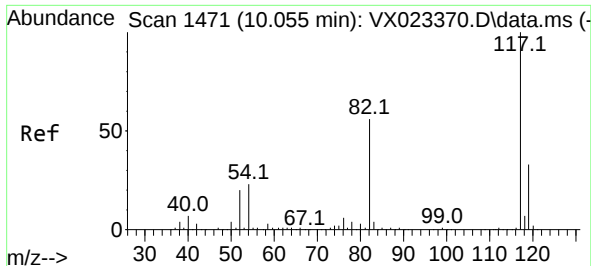
Ion Ratio Lower Upper

95 100

174 80.9 0.0 154.6

176 79.6 0.0 155.8

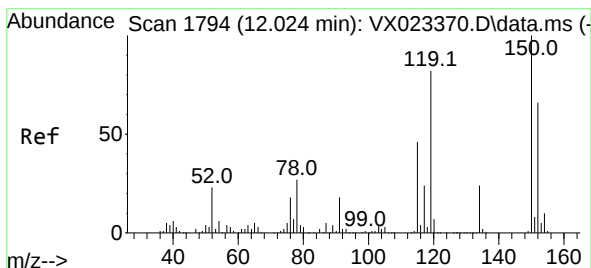
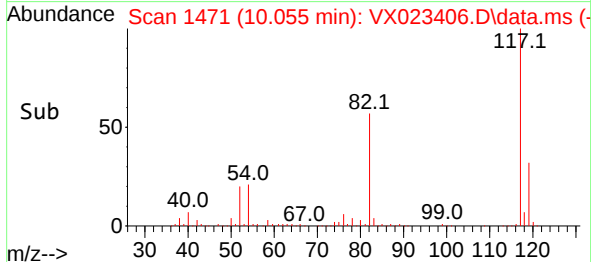
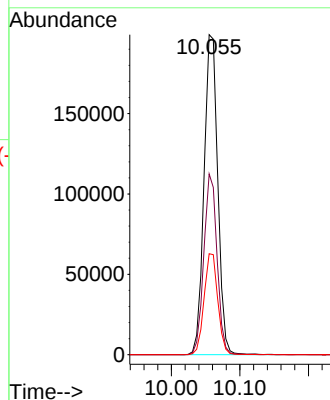
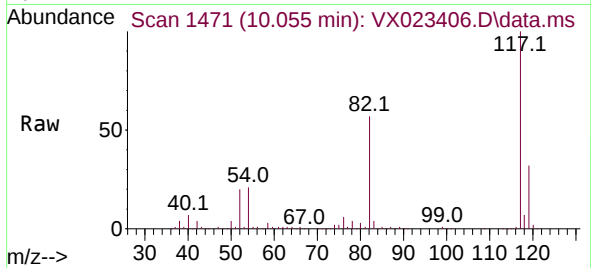




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

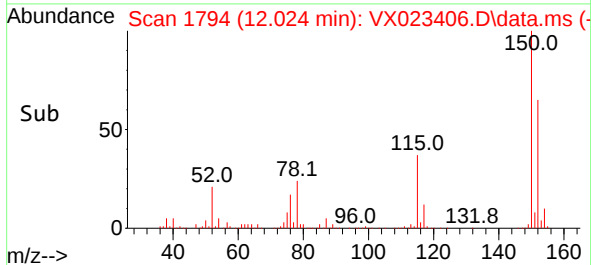
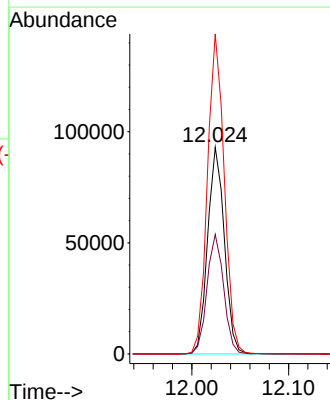
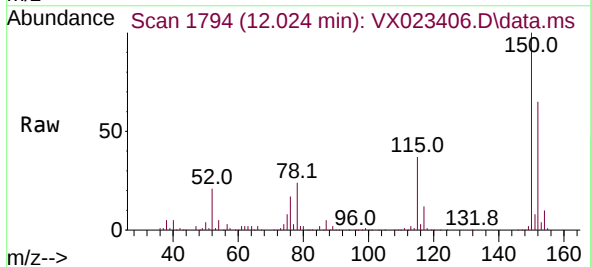
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#07

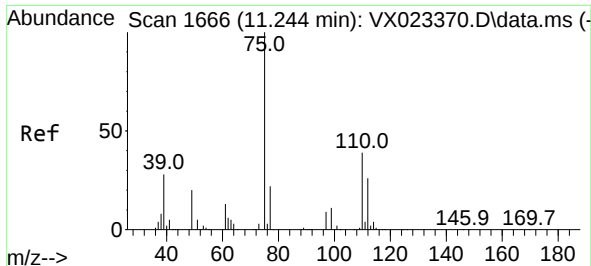
Tgt Ion:117 Resp: 278087
Ion Ratio Lower Upper
117 100
82 56.5 47.4 71.2
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

Tgt Ion:152 Resp: 111744
Ion Ratio Lower Upper
152 100
115 57.6 41.1 123.3
150 155.5 0.0 349.0

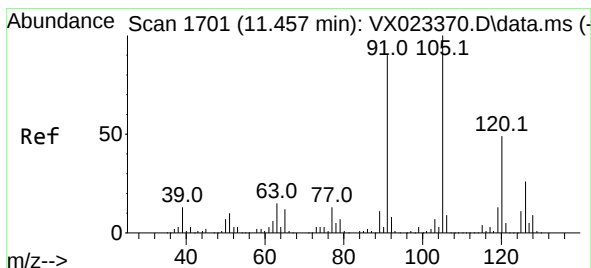
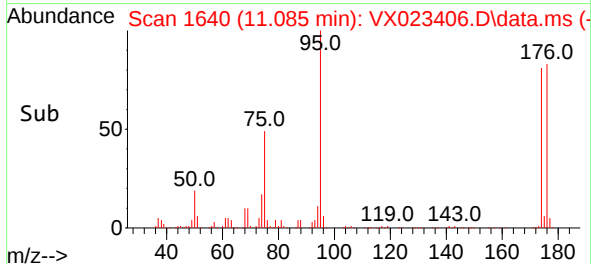
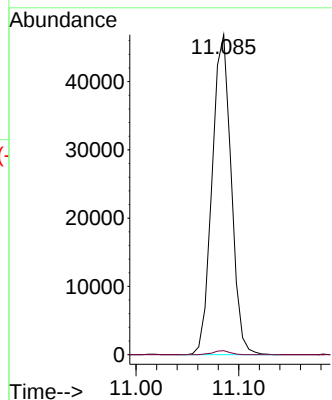
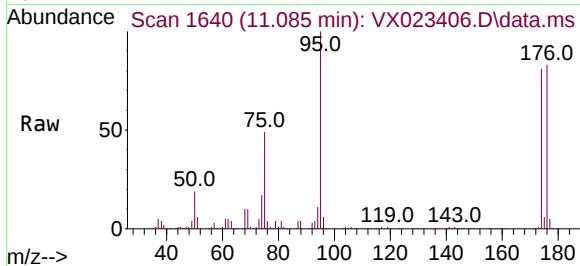




#76
1,2,3-Trichloropropane
Concen: 24.554 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

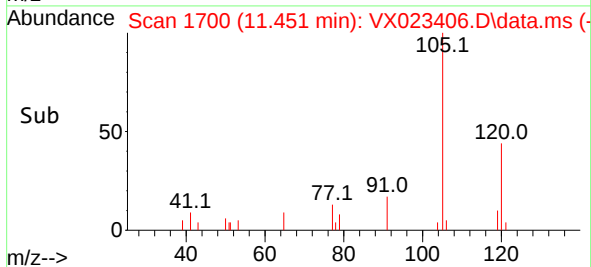
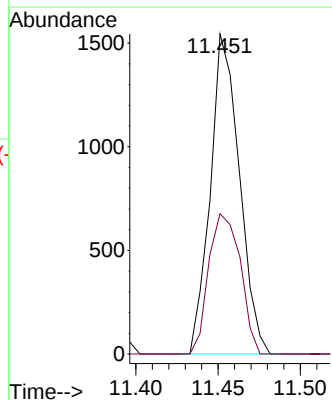
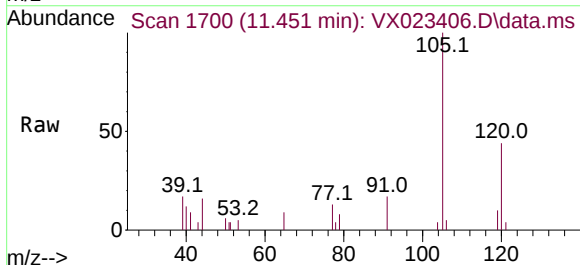
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#07

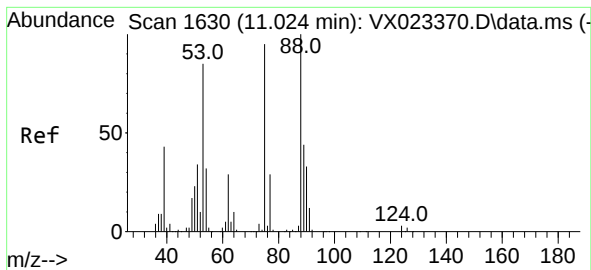
Tgt Ion: 75 Resp: 60379
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.276 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX023406.D
Acq: 23 Jul 2021 04:49

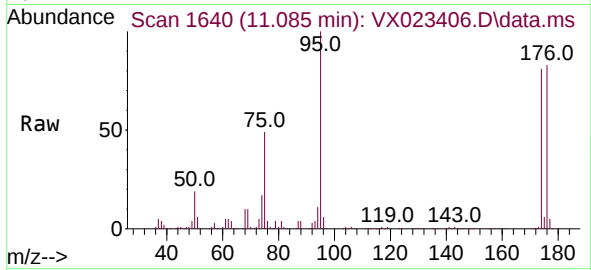
Tgt Ion:105 Resp: 1897
Ion Ratio Lower Upper
105 100
120 47.7 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.023 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023406.D
 Acq: 23 Jul 2021 04:49

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137858ZHE#07



Tgt Ion: 75 Resp: 60379
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.1 37.9 56.9#

