

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081821\
 Data File : VX023820.D
 Acq On : 18 Aug 2021 16:37
 Operator : JC/MD
 Sample : PB138522ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB138522ZHE#05

Quant Time: Aug 19 04:20:11 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)

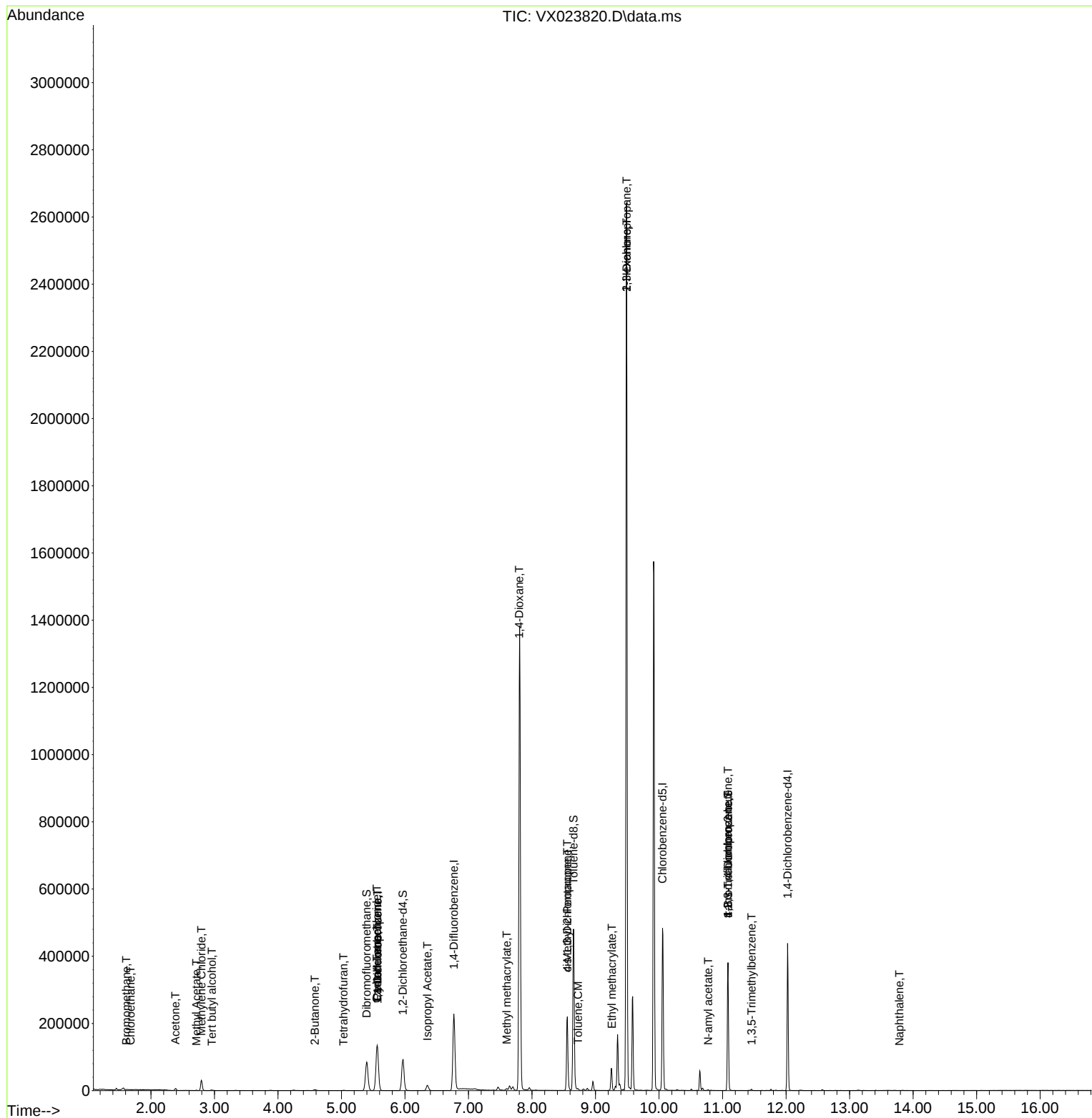
Internal Standards						
1) Pentafluorobenzene	5.562	168	127765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	218327	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	91550	51.340	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.680%			
35) Dibromofluoromethane	5.397	113	71196	49.269	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.540%			
50) Toluene-d8	8.653	98	277403	50.437	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.880%			
62) 4-Bromofluorobenzene	11.085	95	93746	46.302	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.600%			
Target Compounds					Qvalue	
5) Bromomethane	1.612	94	419	0.462	ug/l #	75
6) Chloroethane	1.679	64	52	2.259	ug/l #	43
11) Tert butyl alcohol	2.959	59	1301	3.608	ug/l #	73
16) Acetone	2.386	43	6769	8.490	ug/l	88
18) Methyl Acetate	2.715	43	1437	0.722	ug/l #	86
20) Methylene Chloride	2.794	84	13037	8.560	ug/l	88
25) 2-Butanone	4.581	43	3770	3.122	ug/l #	82
29) Tetrahydrofuran	5.032	42	439	0.561	ug/l #	63
31) Cyclohexane	5.562	56	2764	1.206	ug/l #	33
36) 1,1-Dichloropropene	5.568	75	10087	4.989	ug/l #	44
38) Carbon Tetrachloride	5.556	117	13123	6.224	ug/l #	15
43) Isopropyl Acetate	6.355	43	21752	5.595	ug/l #	90
48) Methyl methacrylate	7.604	41	6847	3.610	ug/l #	10
49) 1,4-Dioxane	7.799	88	218	5.439	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	77230	30.733	ug/l #	44
52) Toluene	8.726	92	1180	0.305	ug/l	96
54) cis-1,3-Dichloropropene	8.555	75	33115	13.674	ug/l #	70
56) Ethyl methacrylate	9.257	69	377	0.896	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	20678	7.817	ug/l #	43
59) 2-Hexanone	9.488	43	314257	162.689	ug/l #	43
74) N-amyl acetate	10.775	43	897	0.311	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	50601	25.896	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	1958	0.373	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.085	75	50601	76.174	ug/l #	12
95) Naphthalene	13.786	128	68	1.293	ug/l #	69

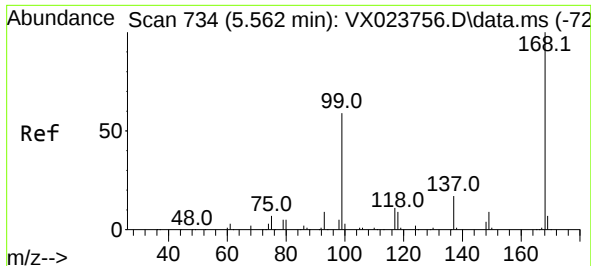
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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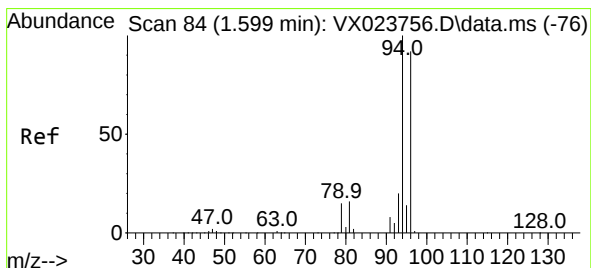
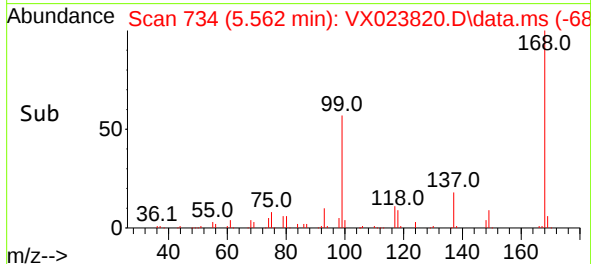
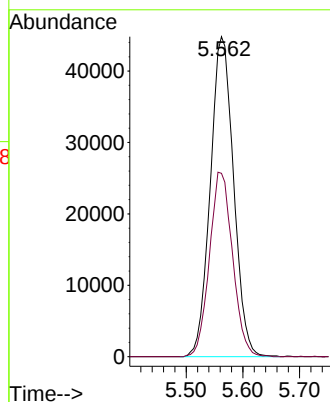
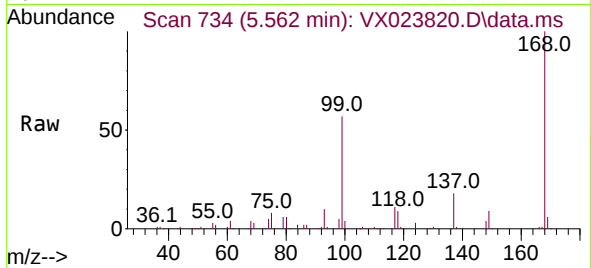




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

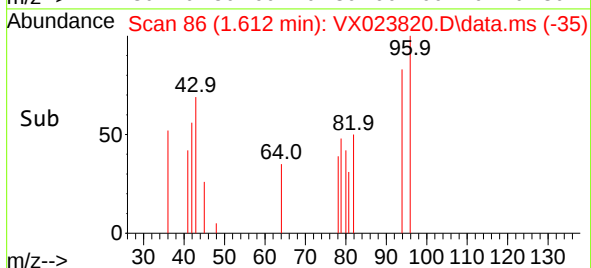
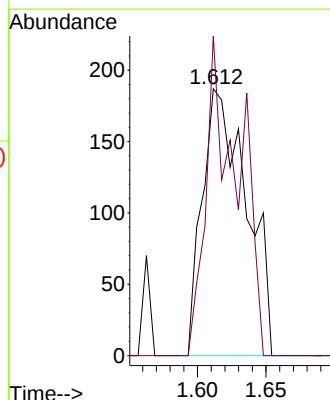
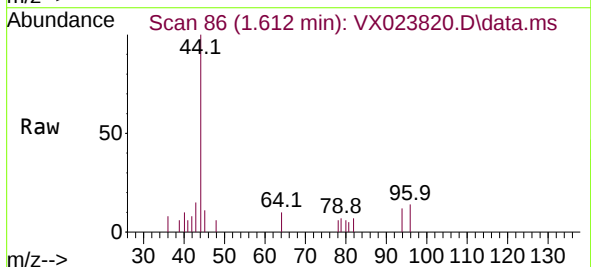
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#05

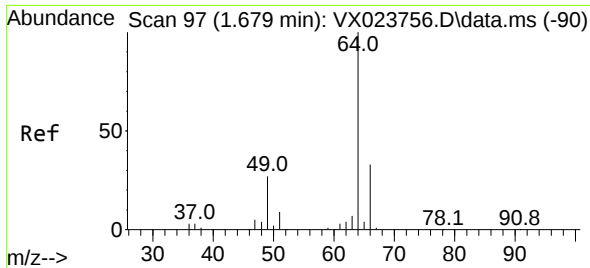
Tgt Ion:168 Resp: 127765
Ion Ratio Lower Upper
168 100
99 57.3 45.8 68.6



#5
Bromomethane
Concen: 0.462 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

Tgt Ion: 94 Resp: 419
Ion Ratio Lower Upper
94 100
96 119.8 76.4 114.6#

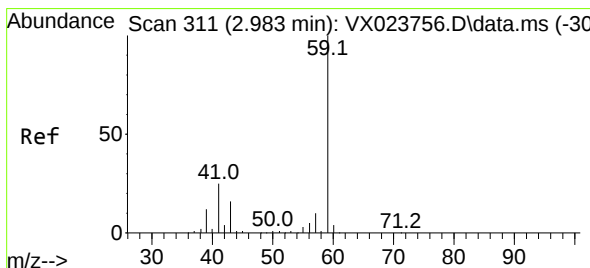
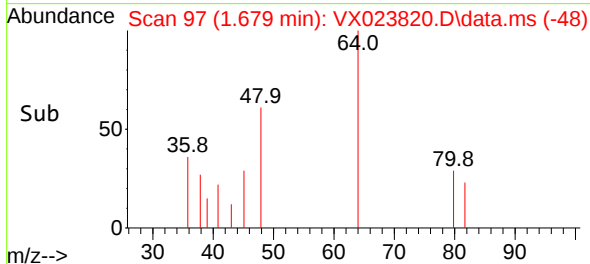
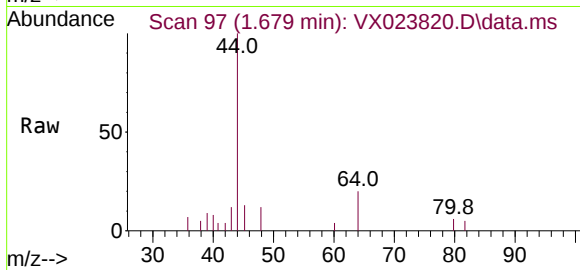




#6
Chloroethane
Concen: 2.259 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

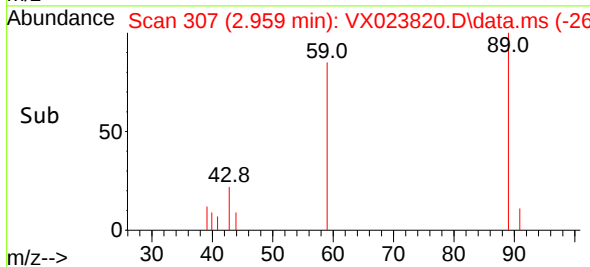
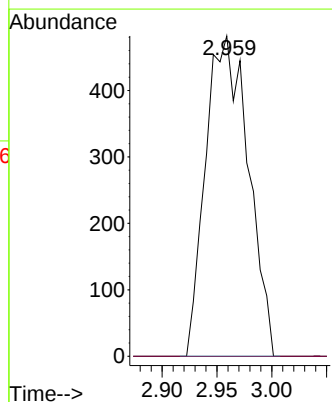
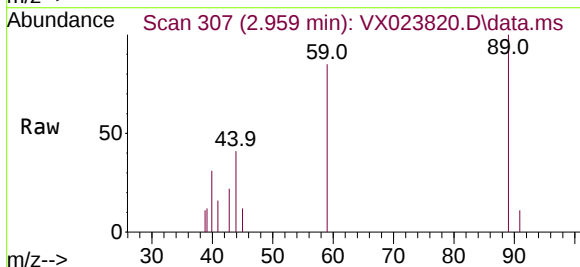
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#05

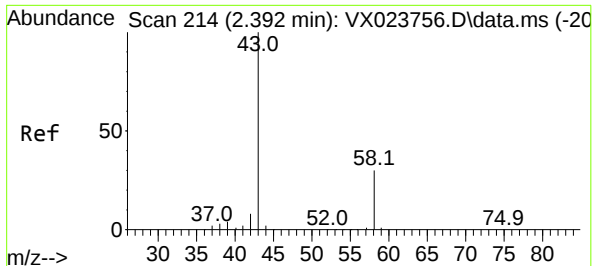
Tgt Ion: 64 Resp: 52
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 3.608 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

Tgt Ion: 59 Resp: 1301
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

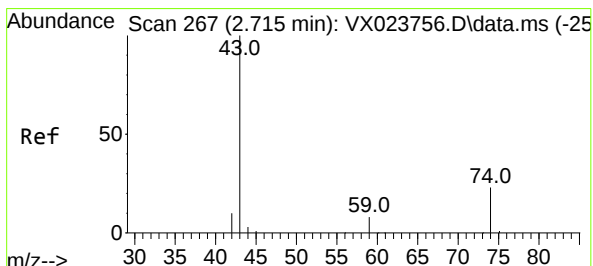
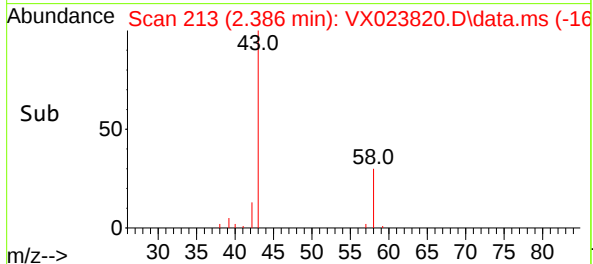
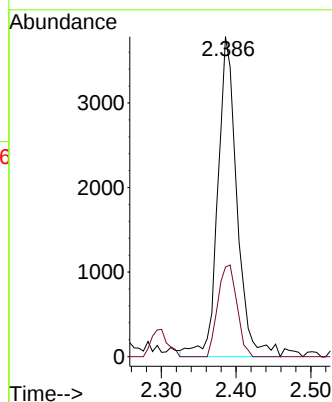
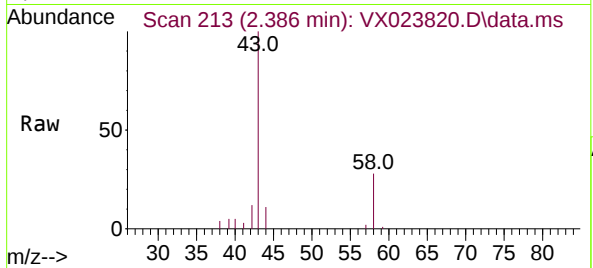




#16
Acetone
Concen: 8.490 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

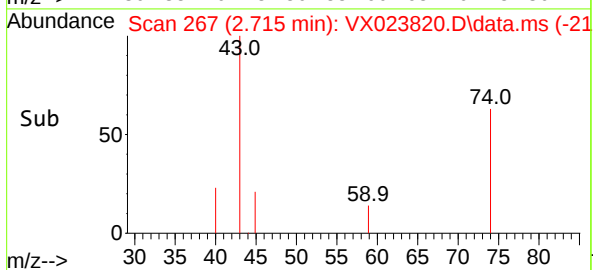
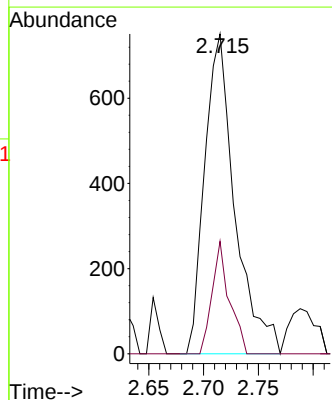
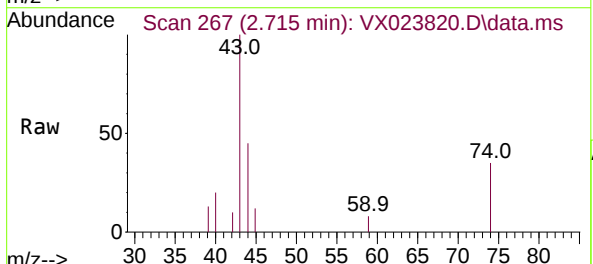
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#05

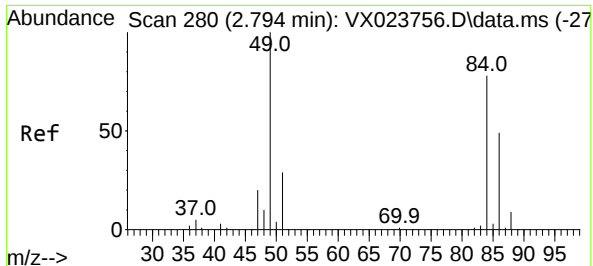
Tgt Ion: 43 Resp: 6769
Ion Ratio Lower Upper
43 100
58 28.0 27.8 41.8



#18
Methyl Acetate
Concen: 0.722 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

Tgt Ion: 43 Resp: 1437
Ion Ratio Lower Upper
43 100
74 20.1 21.9 32.9#

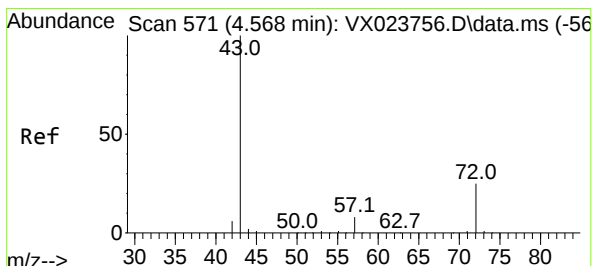
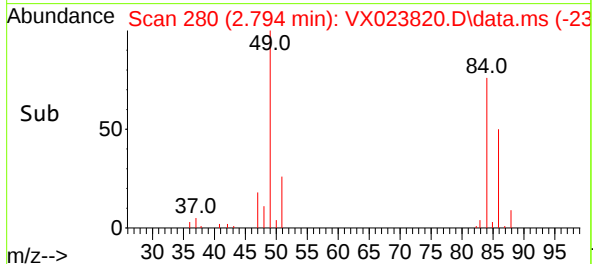
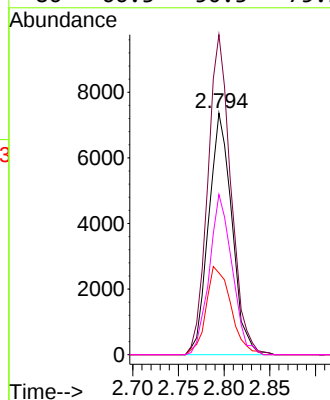
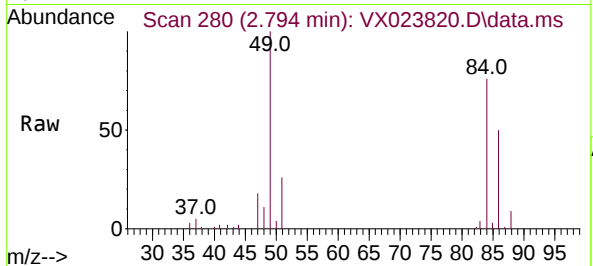




#20
Methylene Chloride
Concen: 8.560 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

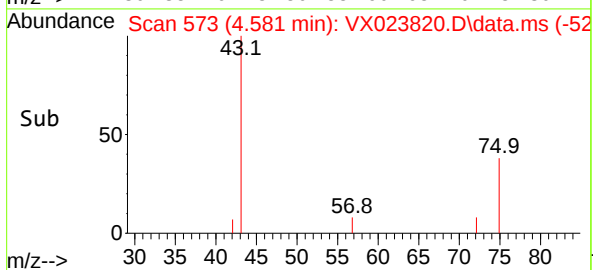
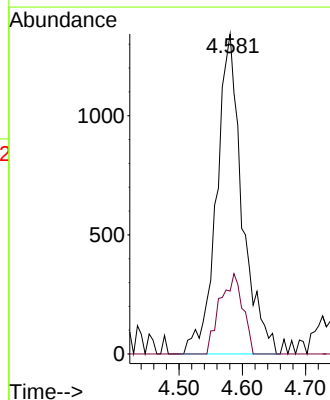
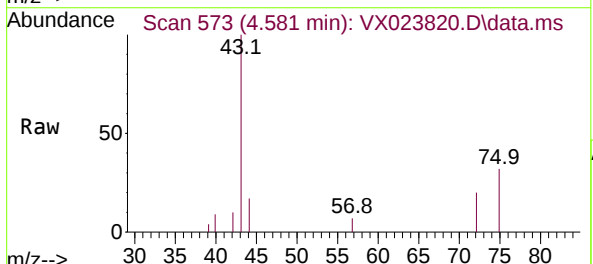
Instrument :
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ClientSampleId :
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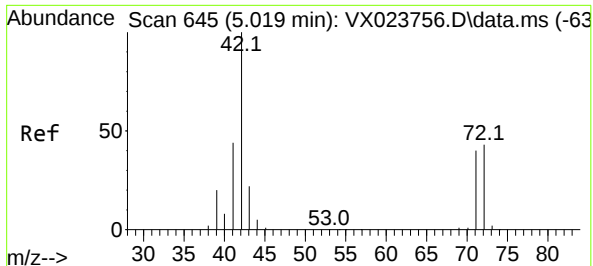
Tgt Ion:	84	Resp:	13037
Ion	Ratio	Lower	Upper
84	100		
49	132.4	88.6	132.8
51	33.8	27.0	40.6
86	66.3	50.3	75.5



#25
2-Butanone
Concen: 3.122 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

Tgt Ion:	43	Resp:	3770
Ion	Ratio	Lower	Upper
43	100		
72	19.7	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.561 ug/l

RT: 5.032 min Scan# 647

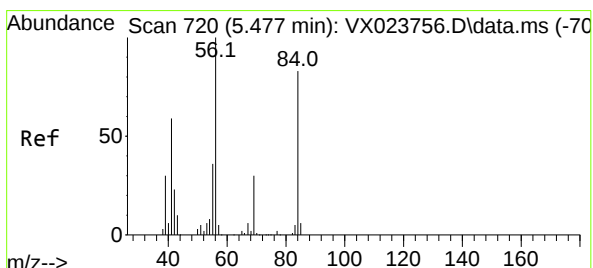
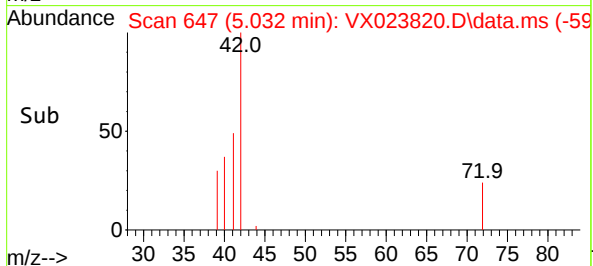
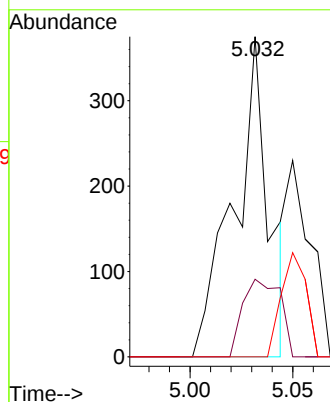
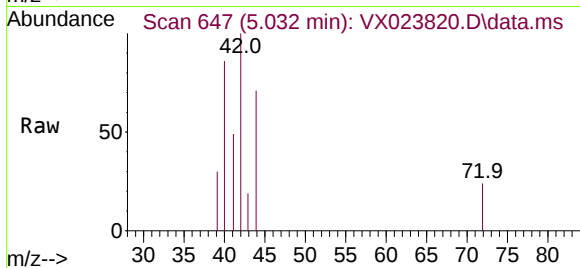
Delta R.T. 0.013 min

Lab File: VX023820.D

Acq: 18 Aug 2021 16:37

Tgt Ion:	42	Resp:	439
Ion	Ratio	Lower	Upper
42	100		
72	26.2	41.7	62.5#
71	23.5	38.4	57.6#

Instrument :
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ClientSampleId :
PB138522ZHE#05



#31

Cyclohexane

Concen: 1.206 ug/l

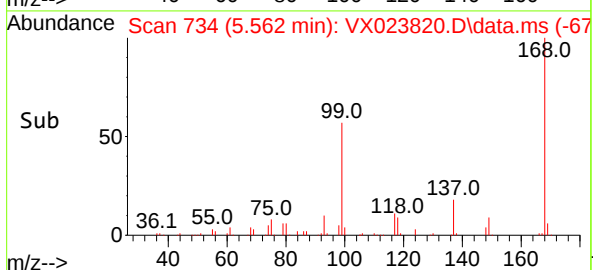
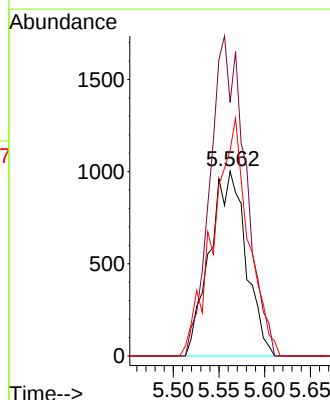
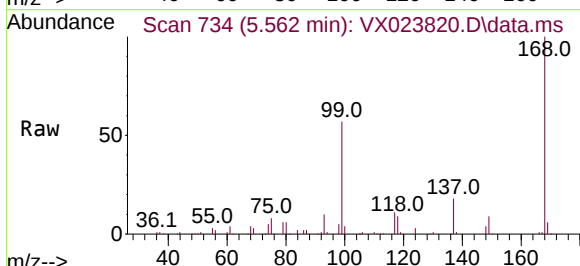
RT: 5.562 min Scan# 734

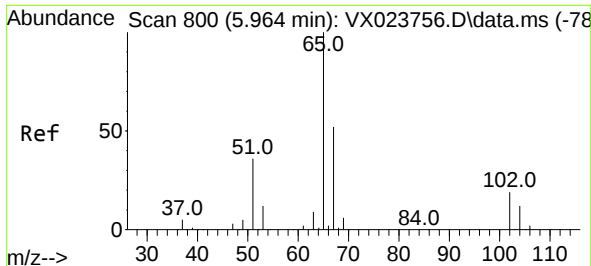
Delta R.T. 0.085 min

Lab File: VX023820.D

Acq: 18 Aug 2021 16:37

Tgt Ion:	56	Resp:	2764
Ion	Ratio	Lower	Upper
56	100		
69	137.3	25.3	37.9#
84	111.4	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.340 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023820.D

Acq: 18 Aug 2021 16:37

Tgt Ion: 65 Resp: 91550

Ion Ratio Lower Upper

65 100

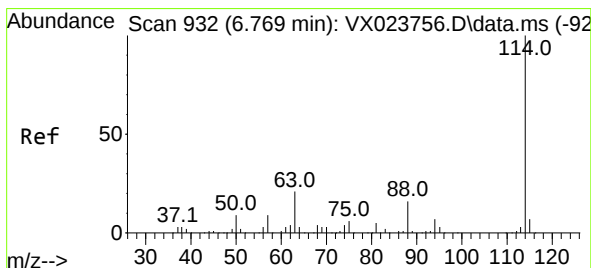
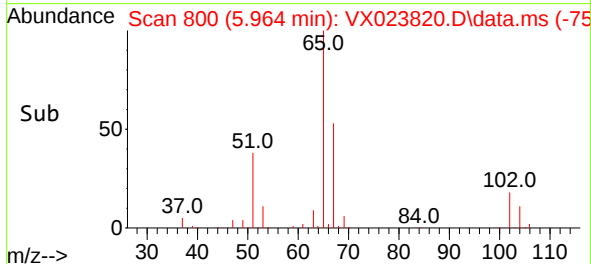
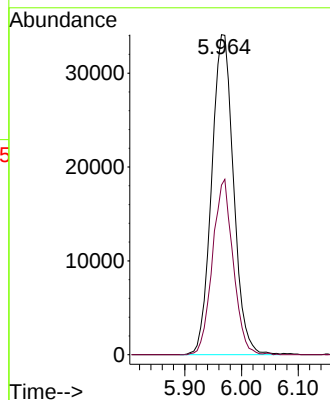
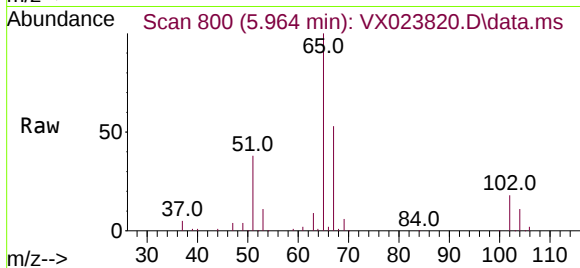
67 51.6 0.0 105.4

Instrument :

MSVOA_X

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX023820.D

Acq: 18 Aug 2021 16:37

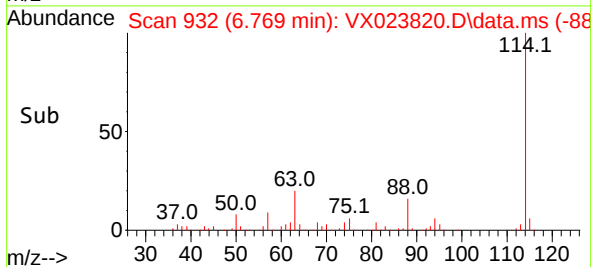
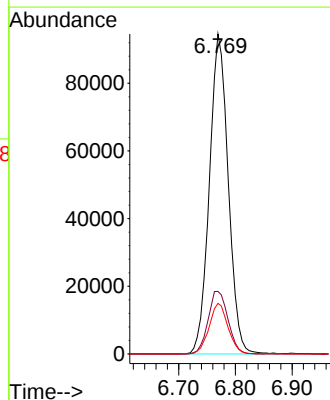
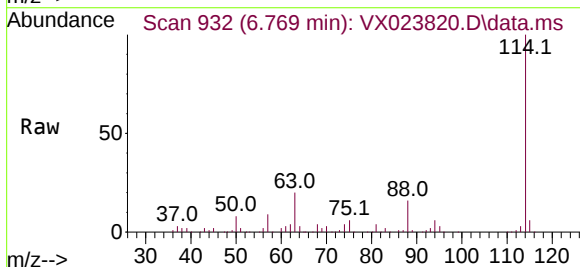
Tgt Ion: 114 Resp: 218327

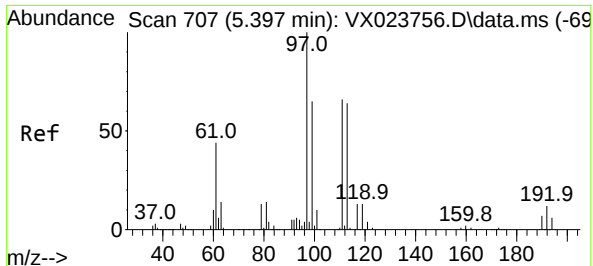
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.269 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023820.D

Acq: 18 Aug 2021 16:37

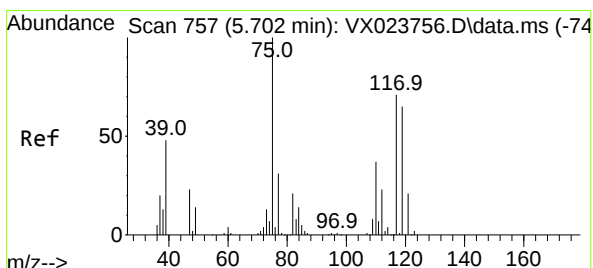
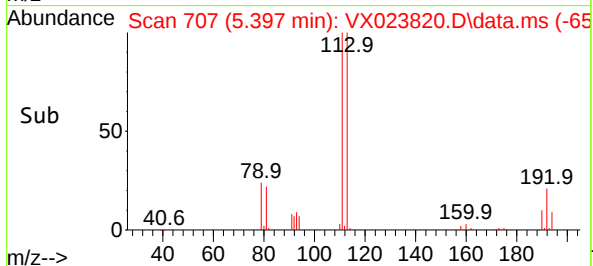
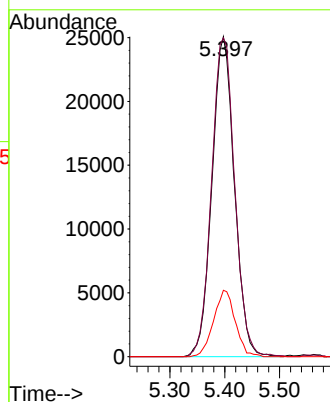
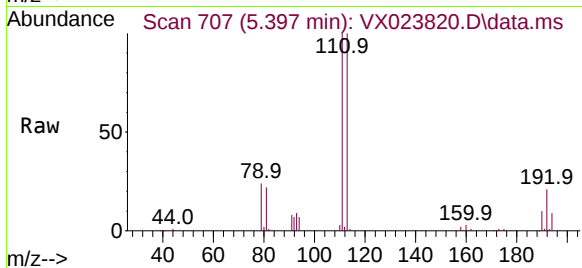
Tgt Ion:113 Resp: 71196

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

192 20.0 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.989 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX023820.D

Acq: 18 Aug 2021 16:37

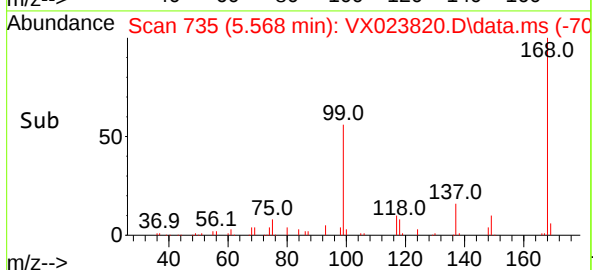
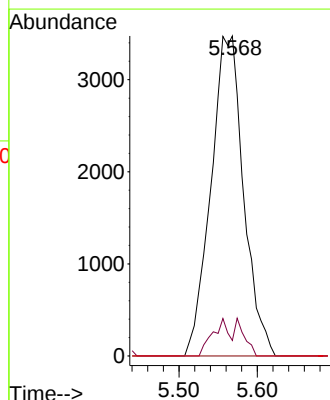
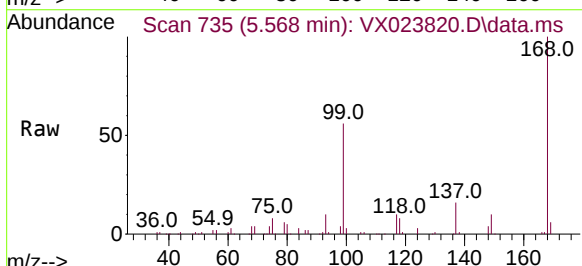
Tgt Ion: 75 Resp: 10087

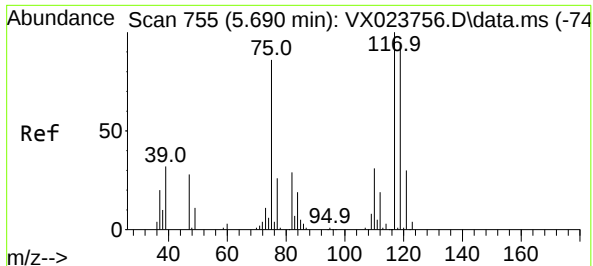
Ion Ratio Lower Upper

75 100

110 3.4 18.1 54.4#

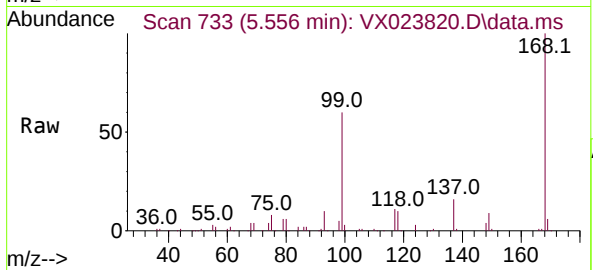
77 0.0 25.3 37.9#



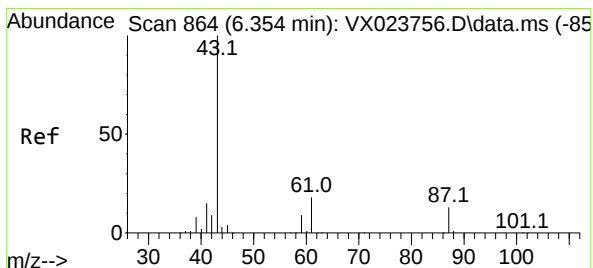
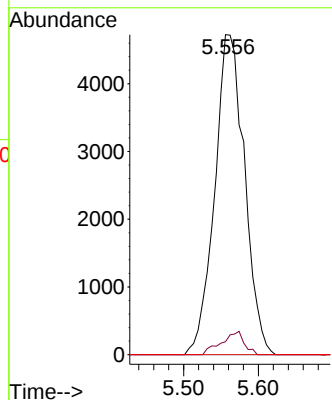
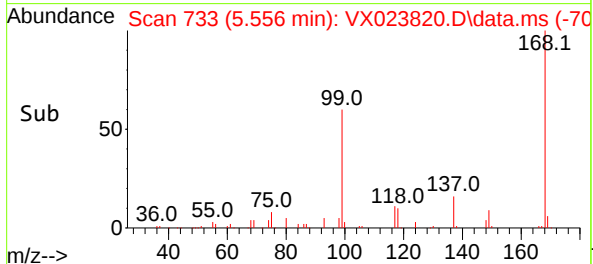


#38
Carbon Tetrachloride
Concen: 6.224 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

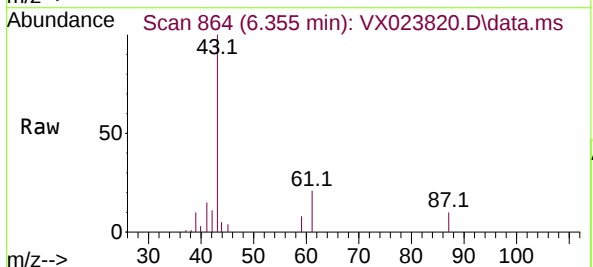
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#05



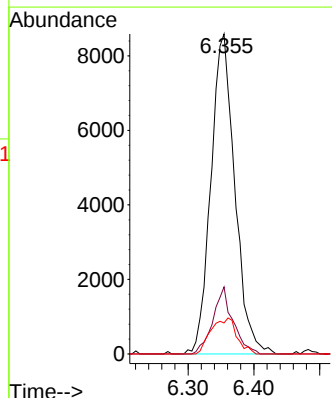
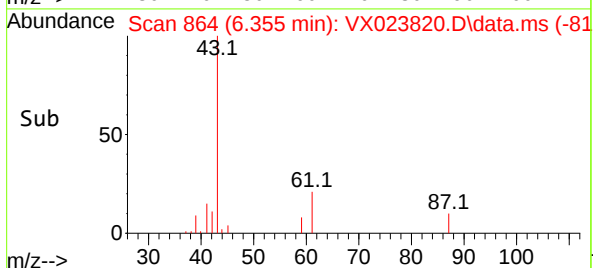
Tgt Ion:117 Resp: 13123
Ion Ratio Lower Upper
117 100
119 4.0 76.2 114.2#
121 0.0 24.8 37.2#

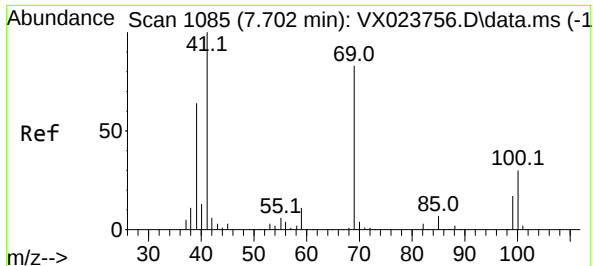


#43
Isopropyl Acetate
Concen: 5.595 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37



Tgt Ion: 43 Resp: 21752
Ion Ratio Lower Upper
43 100
61 17.5 18.2 27.4#
87 12.2 12.5 18.7#





#48

Methyl methacrylate

Concen: 3.610 ug/l

RT: 7.604 min Scan# 1069

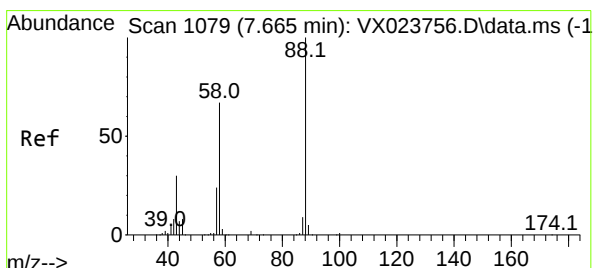
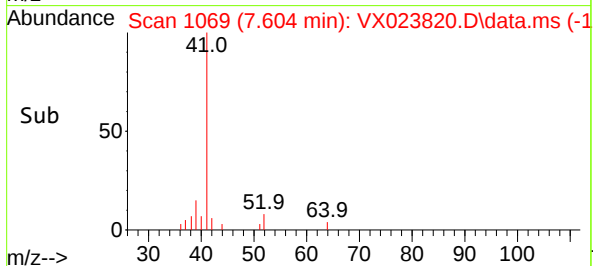
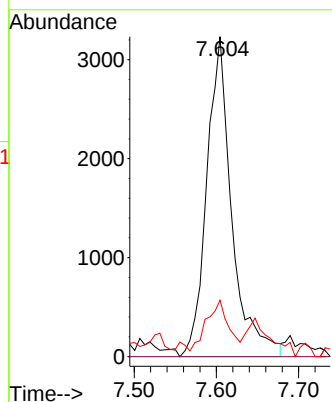
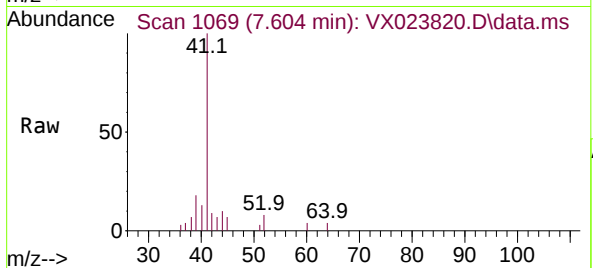
Delta R.T. -0.098 min

Lab File: VX023820.D

Acq: 18 Aug 2021 16:37

Tgt Ion:	41	Resp:	6847
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#05



#49

1,4-Dioxane

Concen: 5.439 ug/l

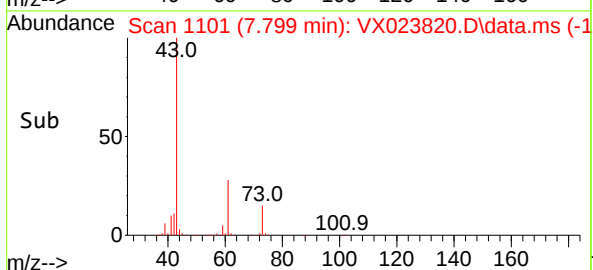
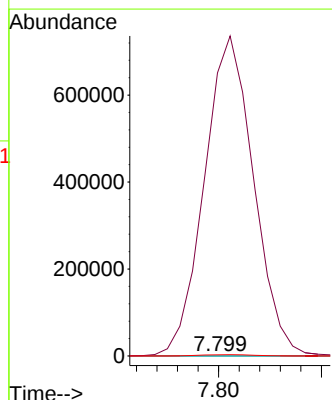
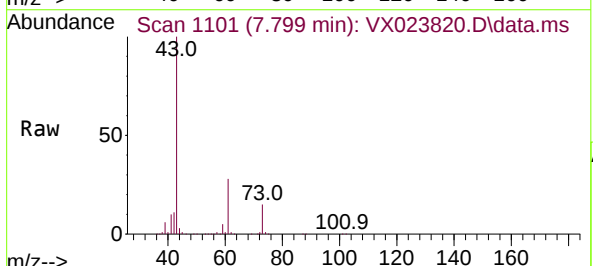
RT: 7.799 min Scan# 1101

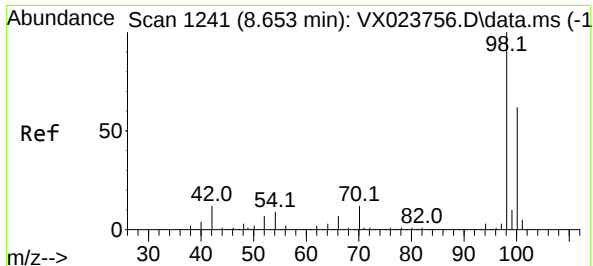
Delta R.T. 0.134 min

Lab File: VX023820.D

Acq: 18 Aug 2021 16:37

Tgt Ion:	88	Resp:	218
Ion	Ratio	Lower	Upper
88	100		
43	566060.1	23.2	34.8#
58	2589.9	55.0	82.4#

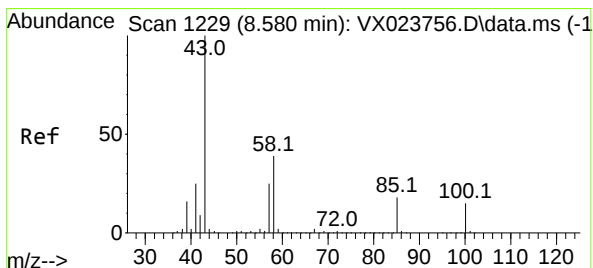
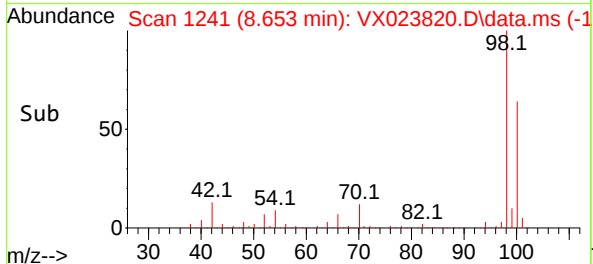
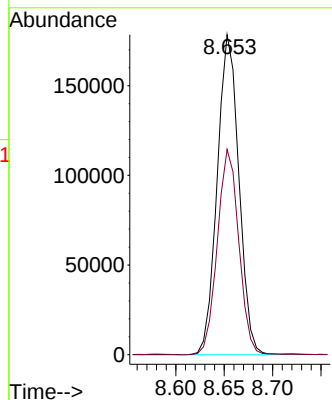
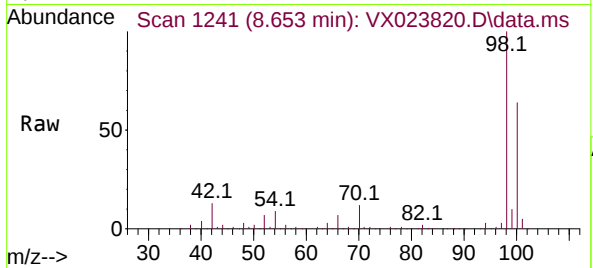




#50
Toluene-d8
Concen: 50.437 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

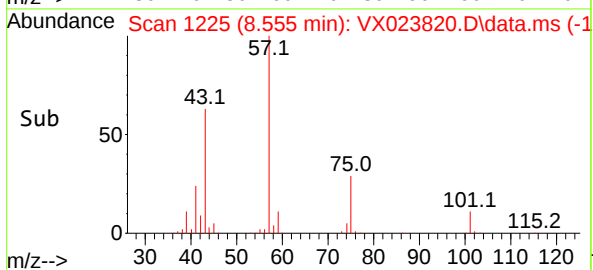
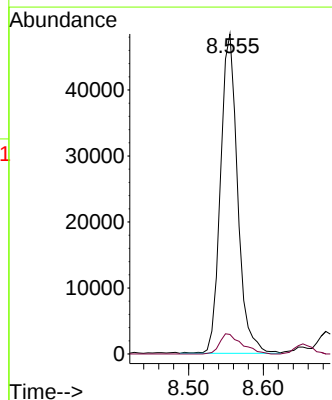
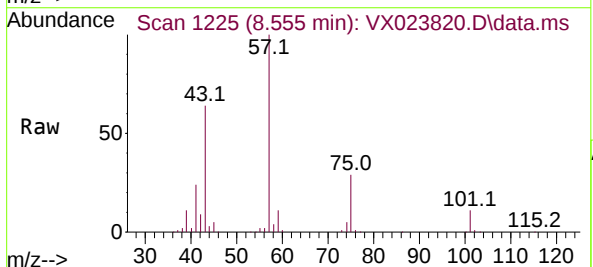
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#05

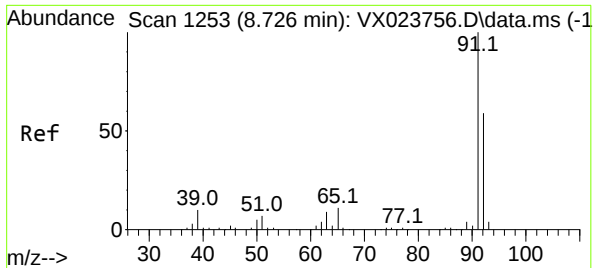
Tgt Ion: 98 Resp: 277403
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 30.733 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

Tgt Ion: 43 Resp: 77230
Ion Ratio Lower Upper
43 100
58 8.1 35.4 53.0#

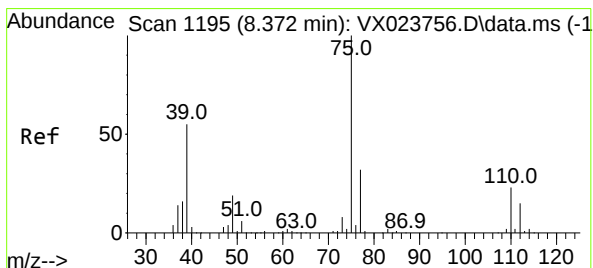
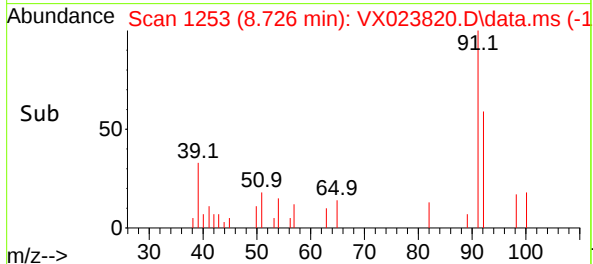
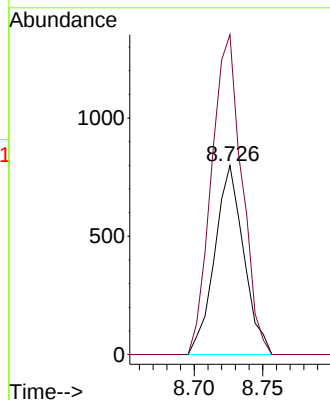
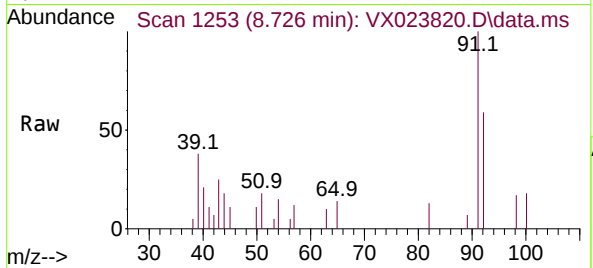




#52
Toluene
Concen: 0.305 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.000 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

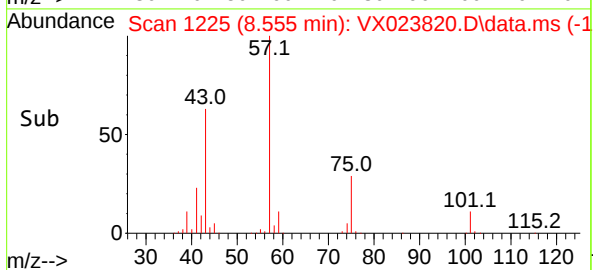
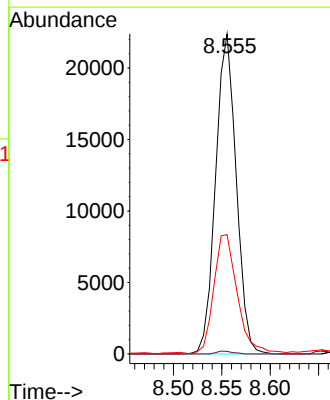
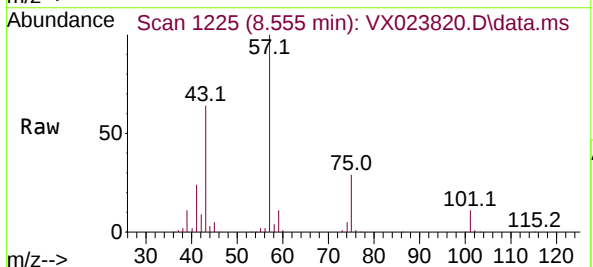
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#05

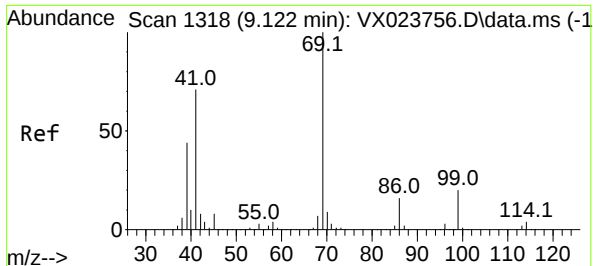
Tgt Ion: 92 Resp: 1180
Ion Ratio Lower Upper
92 100
91 177.0 137.1 205.7



#54
cis-1,3-Dichloropropene
Concen: 13.674 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

Tgt Ion: 75 Resp: 33115
Ion Ratio Lower Upper
75 100
77 0.8 25.7 38.5#
39 36.8 35.1 52.7

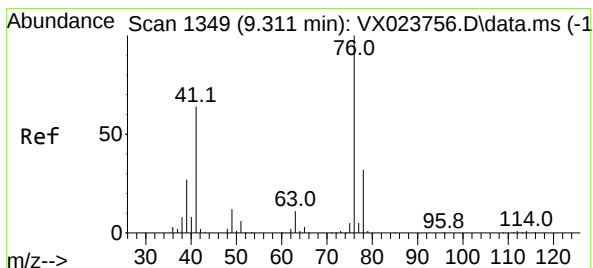
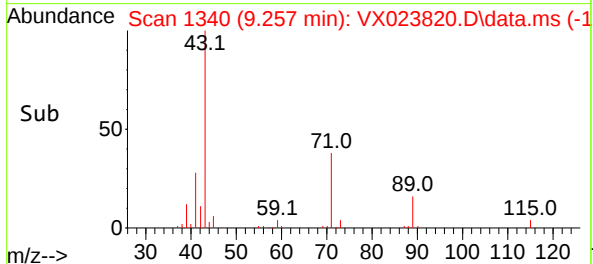
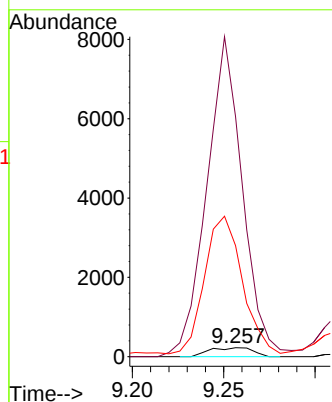
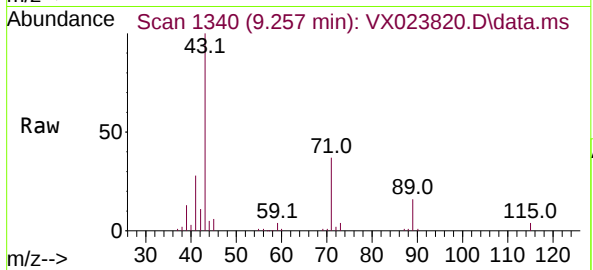




#56
Ethyl methacrylate
Concen: 0.896 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.135 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

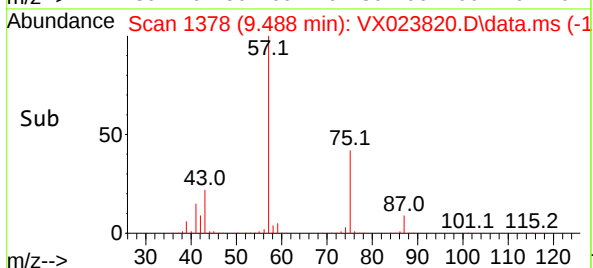
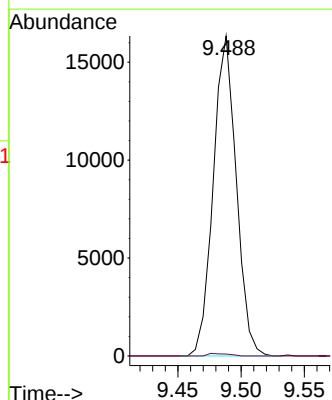
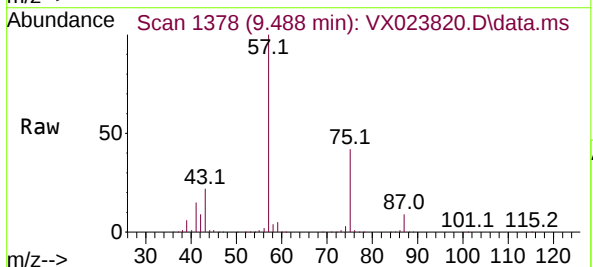
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#05

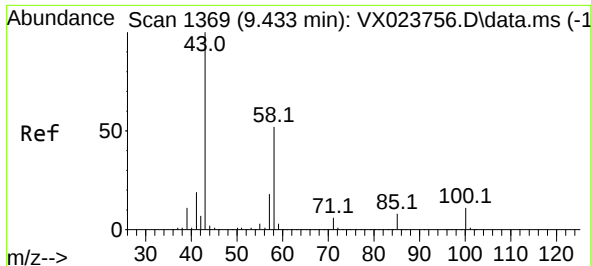
Tgt Ion: 69 Resp: 377
Ion Ratio Lower Upper
69 100
41 2915.9 46.8 70.2#
39 1318.3 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 7.817 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

Tgt Ion: 76 Resp: 20678
Ion Ratio Lower Upper
76 100
78 0.7 26.2 39.2#

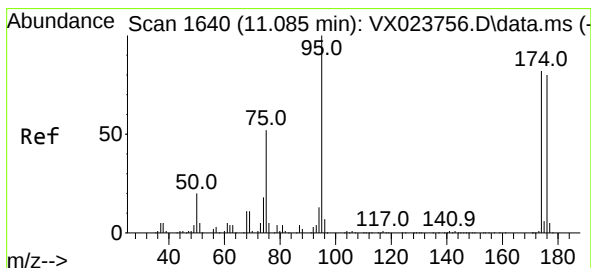
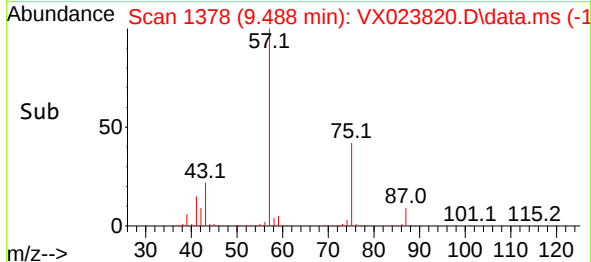
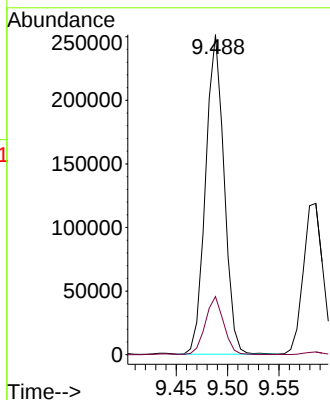
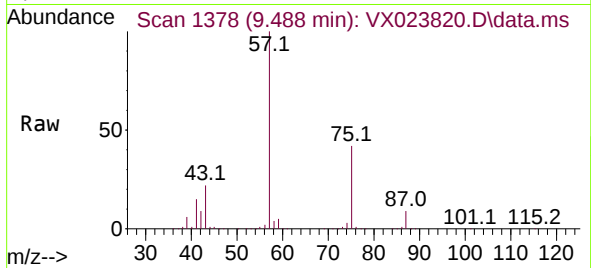




#59
2-Hexanone
Concen: 162.689 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

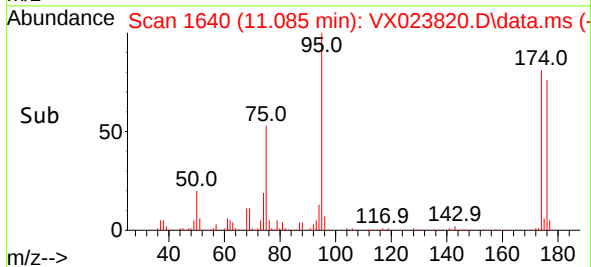
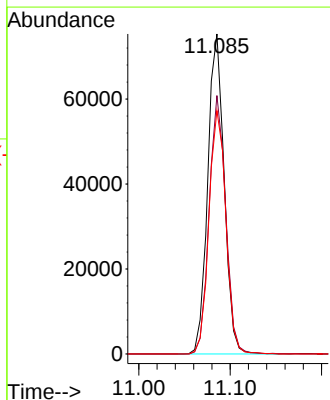
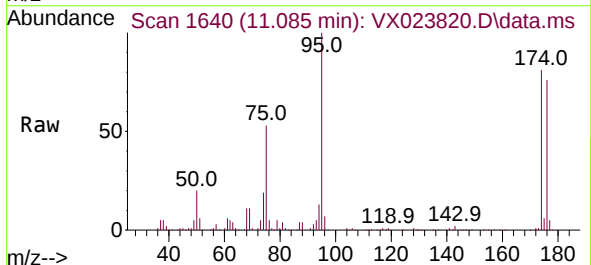
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#05

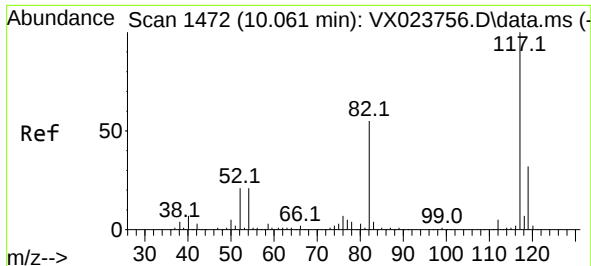
Tgt Ion: 43 Resp: 314257
Ion Ratio Lower Upper
43 100
58 18.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.302 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

Tgt Ion: 95 Resp: 93746
Ion Ratio Lower Upper
95 100
174 81.5 0.0 154.6
176 78.4 0.0 155.8

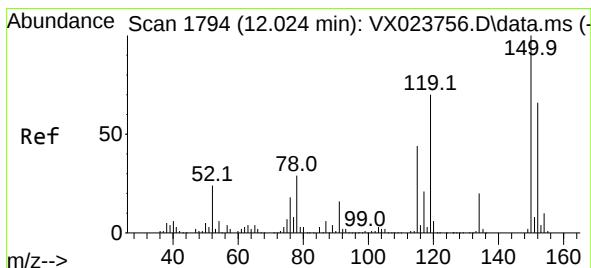
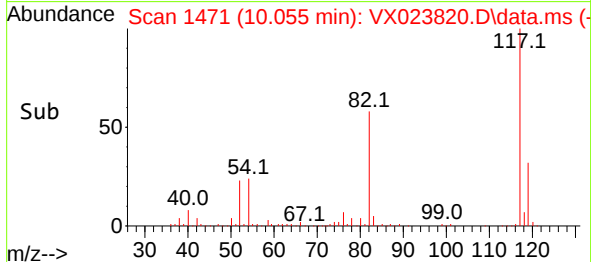
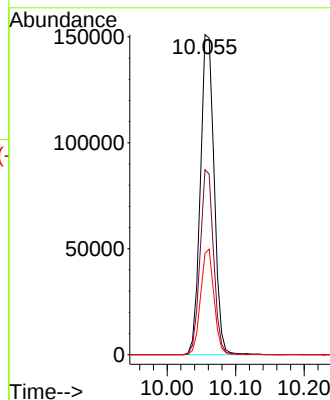
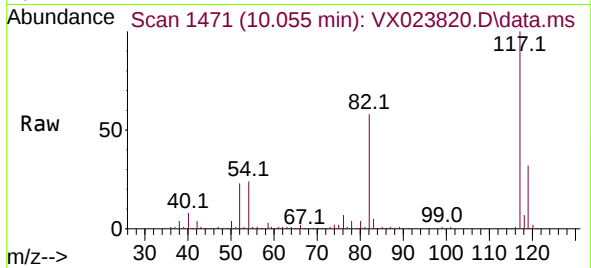




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

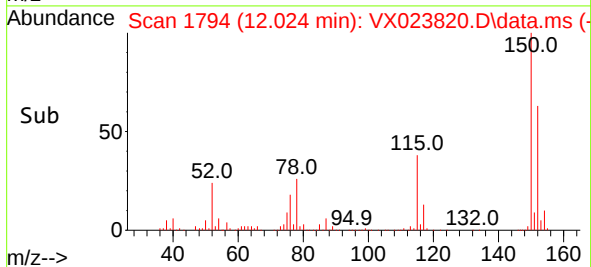
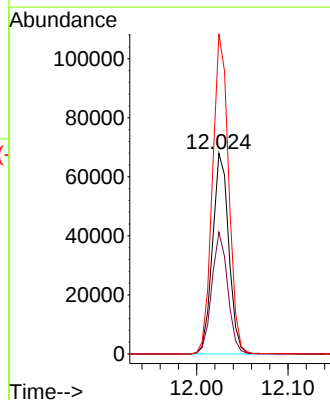
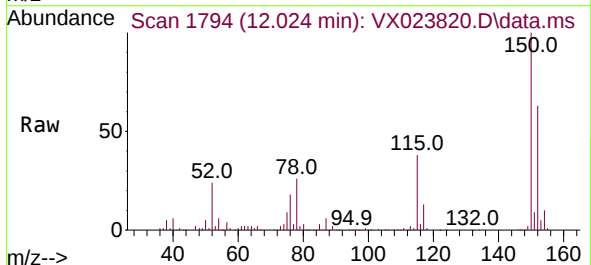
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#05

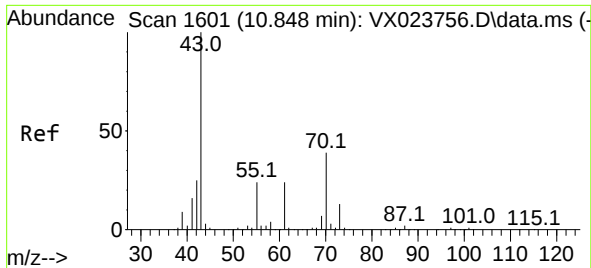
Tgt Ion:117 Resp: 211587
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 31.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

Tgt Ion:152 Resp: 83765
Ion Ratio Lower Upper
152 100
115 59.6 41.1 123.3
150 158.6 0.0 349.0

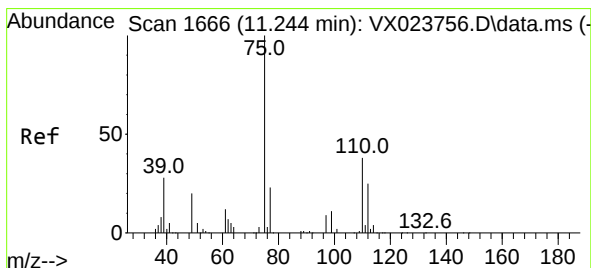
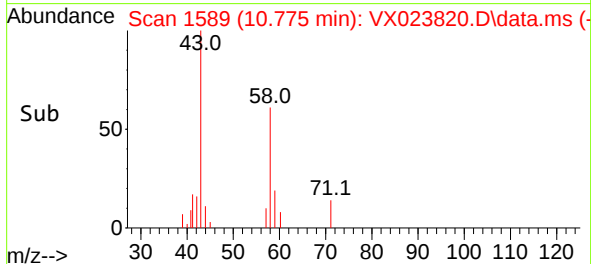
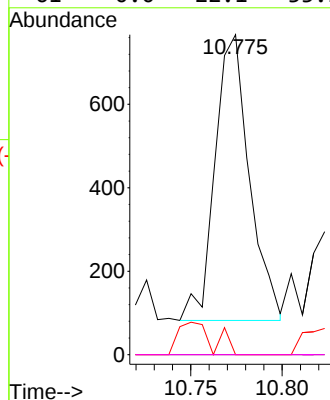
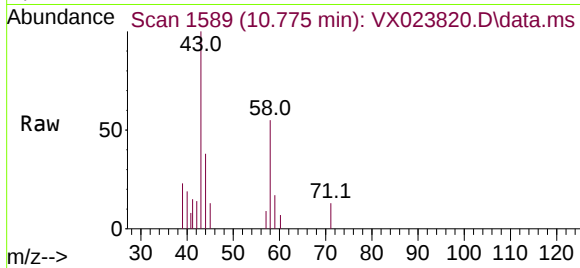




#74
N-amy1 acetate
Concen: 0.311 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

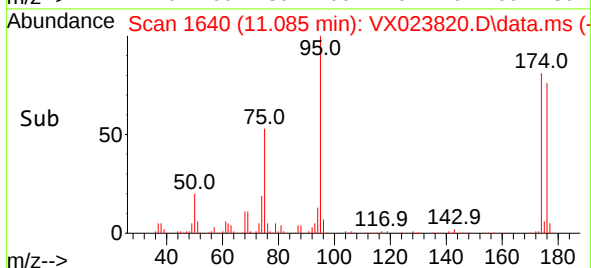
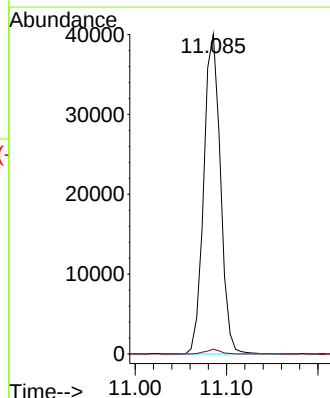
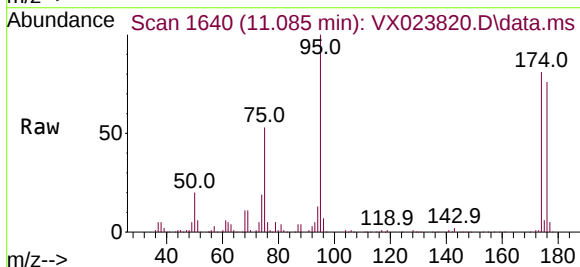
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#05

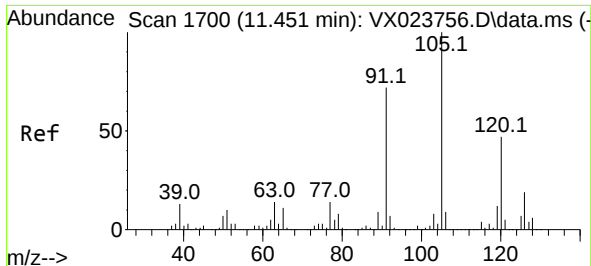
Tgt Ion: 43	Resp:	897
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.0 58.6#
55	0.0	21.5 32.3#
61	0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 25.896 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

Tgt Ion: 75	Resp:	50601
Ion	Ratio	Lower Upper
75	100	
77	1.3	19.1 57.5#

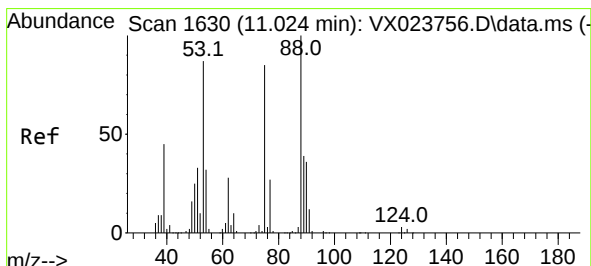
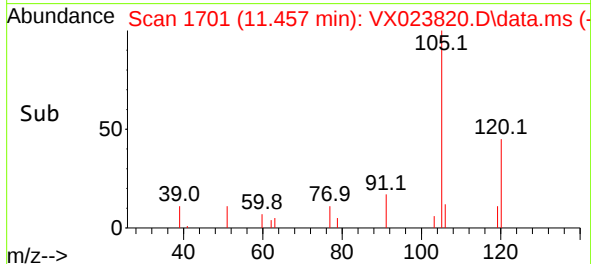
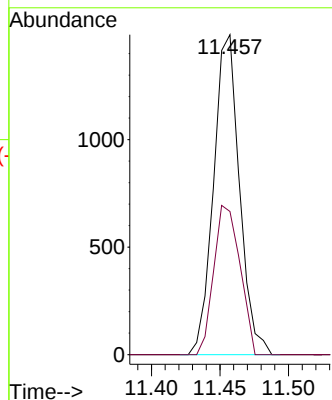
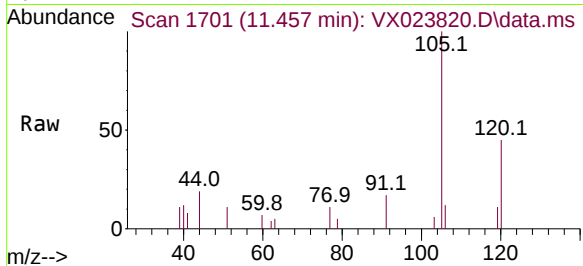




#80
1,3,5-Trimethylbenzene
Concen: 0.373 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

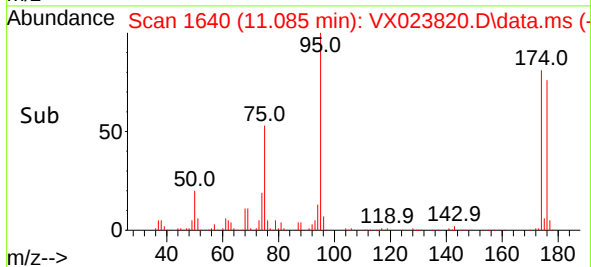
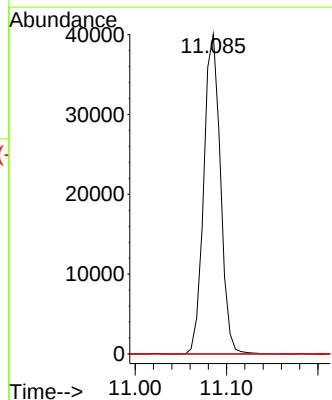
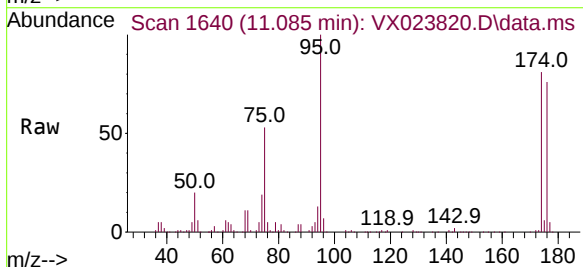
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#05

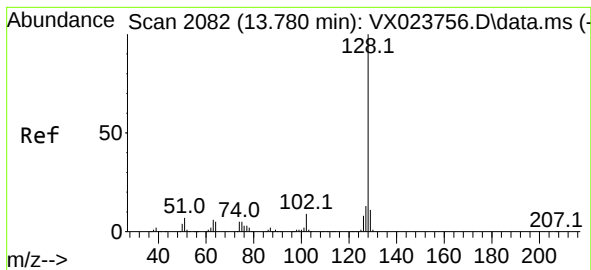
Tgt Ion:105 Resp: 1958
Ion Ratio Lower Upper
105 100
120 47.0 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 76.174 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

Tgt Ion: 75 Resp: 50601
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.293 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023820.D
Acq: 18 Aug 2021 16:37

Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#05

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

