

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081821\
 Data File : VX023823.D
 Acq On : 18 Aug 2021 17:48
 Operator : JC/MD
 Sample : PB138522ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB138522ZHE#08

Quant Time: Aug 19 04:20:46 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)

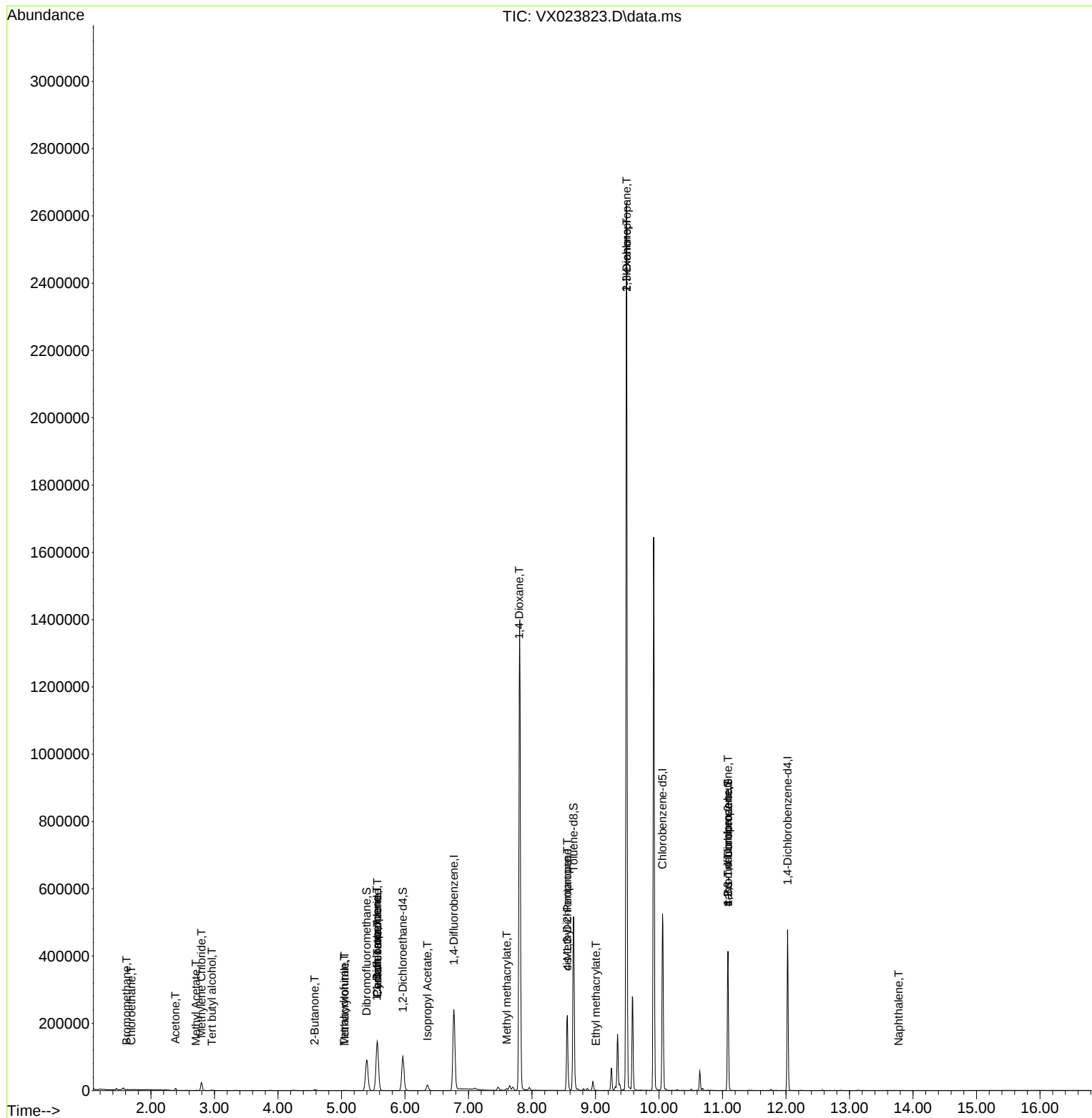
Internal Standards						
1) Pentafluorobenzene	5.562	168	135339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	231553	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	98797	52.304	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.600%			
35) Dibromofluoromethane	5.397	113	77234	50.394	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.780%			
50) Toluene-d8	8.653	98	297138	50.940	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.880%			
62) 4-Bromofluorobenzene	11.085	95	101818	47.416	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.840%			
Target Compounds					Qvalue	
5) Bromomethane	1.618	94	378	0.393	ug/l #	47
6) Chloroethane	1.691	64	169	2.344	ug/l #	43
11) Tert butyl alcohol	2.959	59	1356	3.550	ug/l #	73
16) Acetone	2.386	43	6469	7.659	ug/l	95
18) Methyl Acetate	2.709	43	1456	0.691	ug/l #	70
20) Methylene Chloride	2.794	84	10039	6.223	ug/l	89
25) 2-Butanone	4.574	43	3638	2.844	ug/l #	87
29) Tetrahydrofuran	5.044	42	495	0.597	ug/l #	62
31) Cyclohexane	5.562	56	3247	1.338	ug/l #	38
36) 1,1-Dichloropropene	5.556	75	11000	5.130	ug/l #	44
38) Carbon Tetrachloride	5.562	117	13521	6.047	ug/l #	16
41) Methacrylonitrile	5.050	41	395	0.276	ug/l #	25
43) Isopropyl Acetate	6.355	43	21230	5.149	ug/l	94
48) Methyl methacrylate	7.604	41	6828	3.395	ug/l #	10
49) 1,4-Dioxane	7.799	88	180	4.234	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	78623	29.500	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	33490	13.039	ug/l #	71
56) Ethyl methacrylate	9.007	69	110	0.797	ug/l #	29
57) 1,3-Dichloropropane	9.488	76	21244	7.572	ug/l #	43
59) 2-Hexanone	9.488	43	311089	151.850	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	55555	26.108	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	55555	76.799	ug/l #	12
95) Naphthalene	13.774	128	74	1.293	ug/l #	69

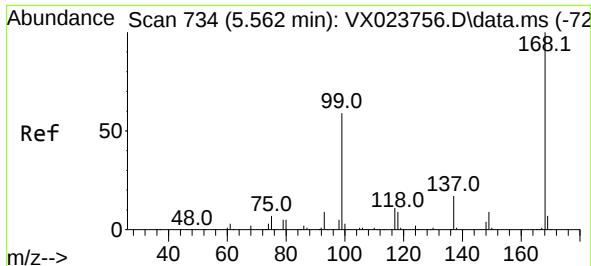
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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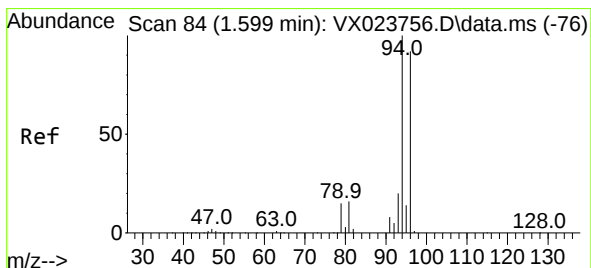
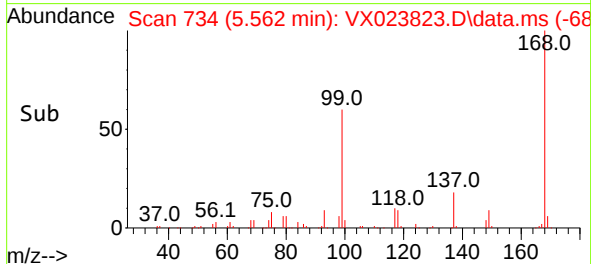
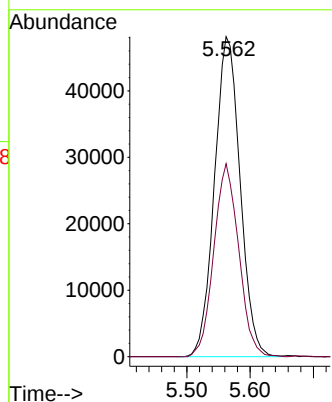
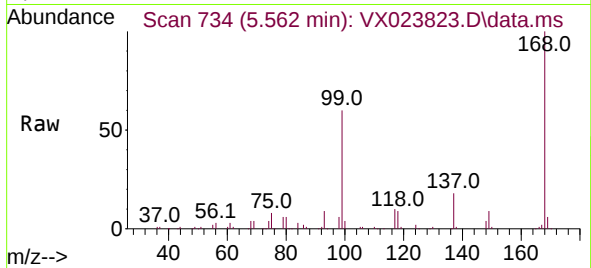




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

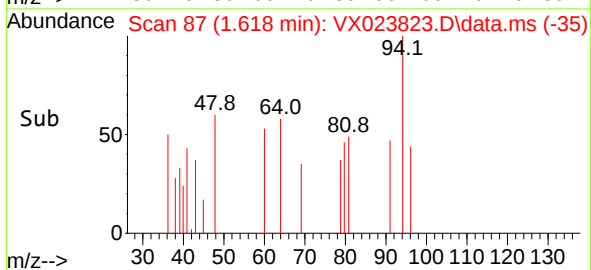
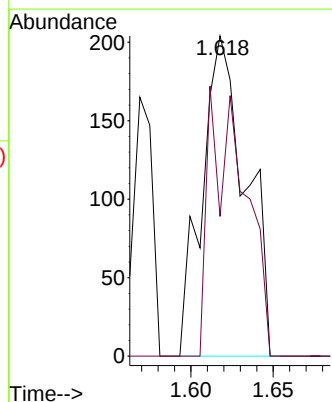
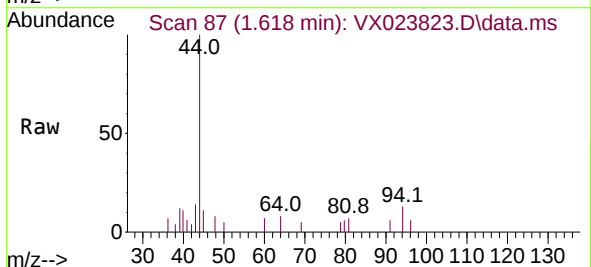
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#08

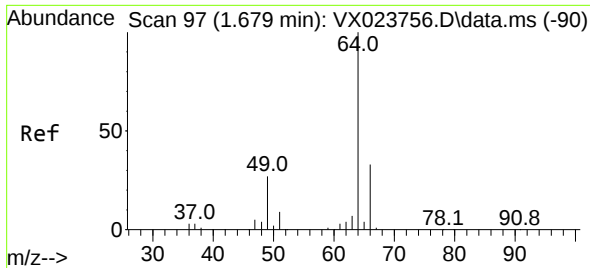
Tgt Ion:168 Resp: 135339
Ion Ratio Lower Upper
168 100
99 60.3 45.8 68.6



#5
Bromomethane
Concen: 0.393 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

Tgt Ion: 94 Resp: 378
Ion Ratio Lower Upper
94 100
96 43.6 76.4 114.6#

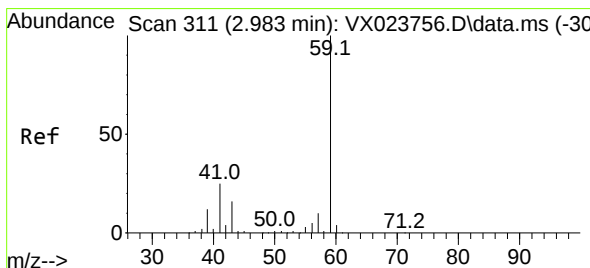
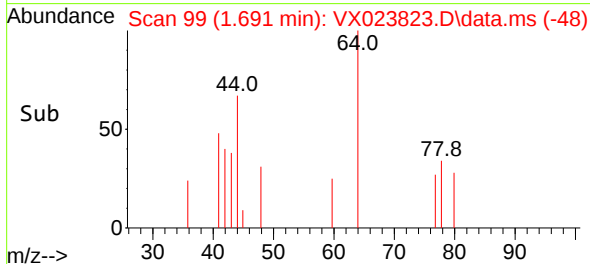
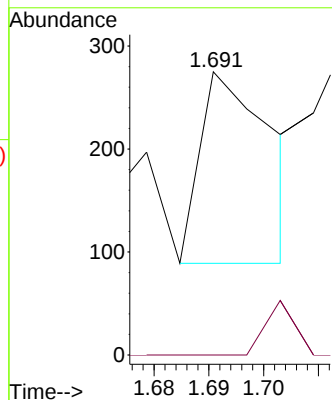
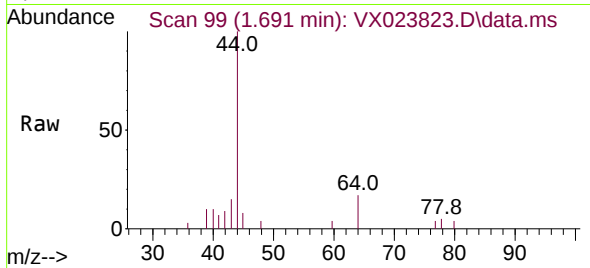




#6
Chloroethane
Concen: 2.344 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

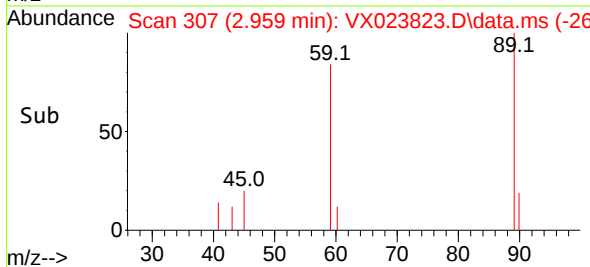
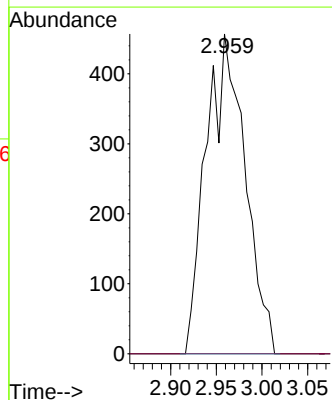
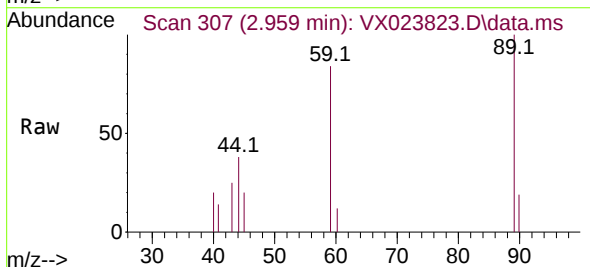
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#08

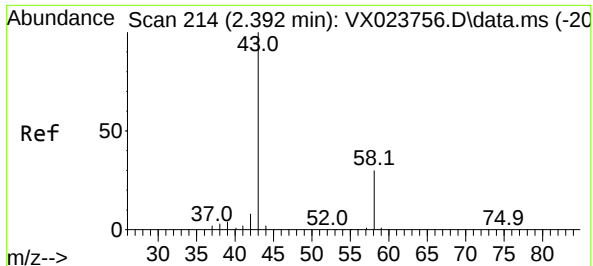
Tgt Ion: 64 Resp: 169
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 3.550 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

Tgt Ion: 59 Resp: 1356
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

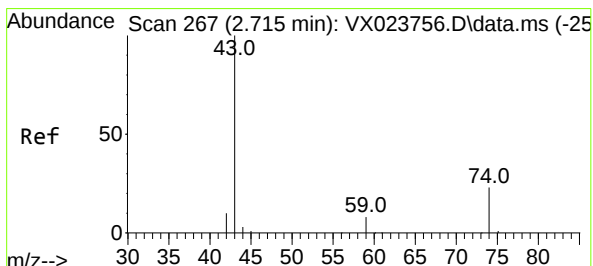
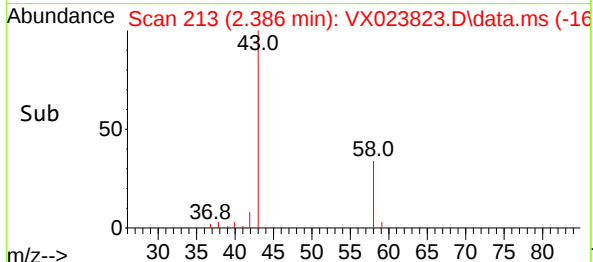
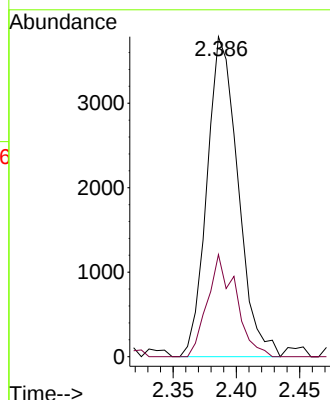
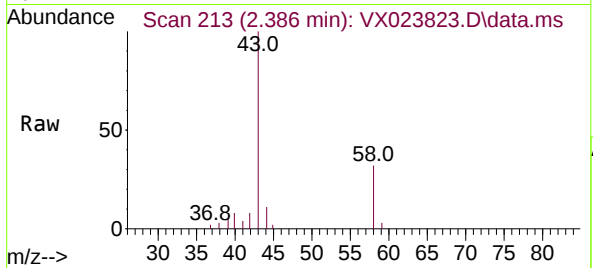




#16
Acetone
Concen: 7.659 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

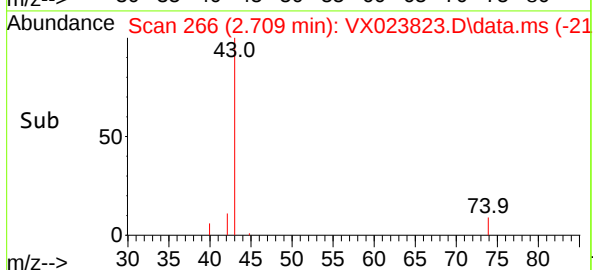
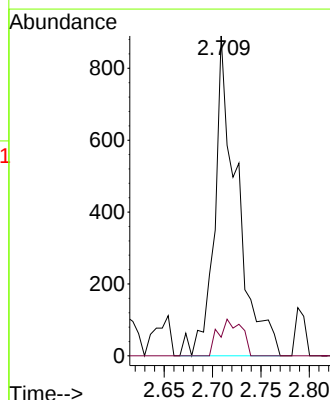
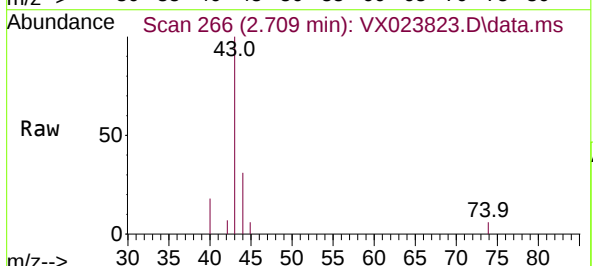
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#08

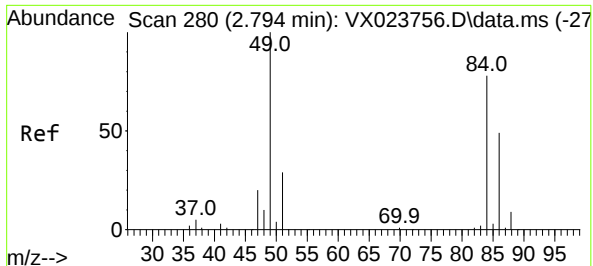
Tgt Ion: 43 Resp: 6469
Ion Ratio Lower Upper
43 100
58 31.9 27.8 41.8



#18
Methyl Acetate
Concen: 0.691 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

Tgt Ion: 43 Resp: 1456
Ion Ratio Lower Upper
43 100
74 11.6 21.9 32.9#





#20

Methylene Chloride

Concen: 6.223 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023823.D

Acq: 18 Aug 2021 17:48

Tgt Ion: 84 Resp: 10039

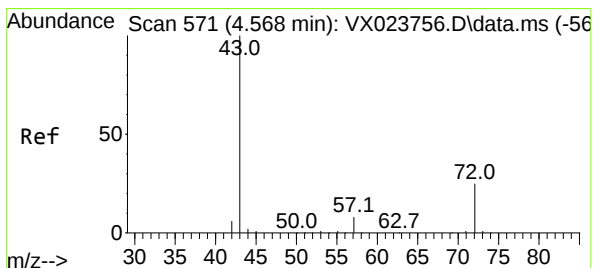
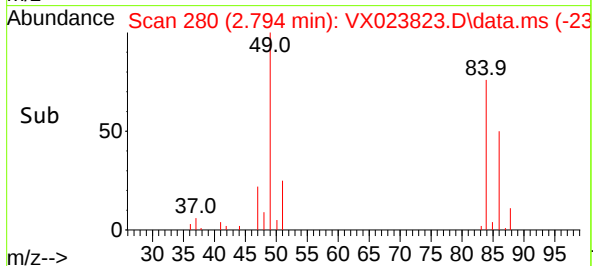
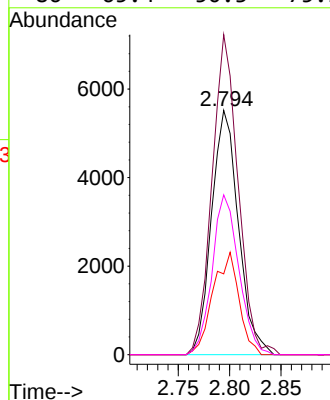
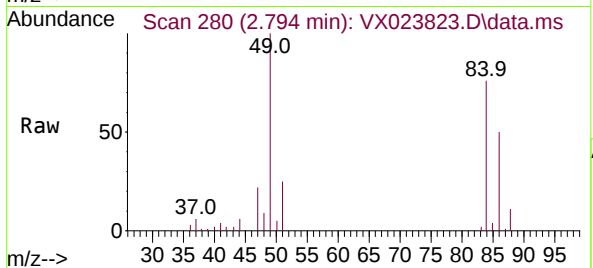
Ion Ratio Lower Upper

84 100

49 131.0 88.6 132.8

51 33.1 27.0 40.6

86 65.4 50.3 75.5



#25

2-Butanone

Concen: 2.844 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX023823.D

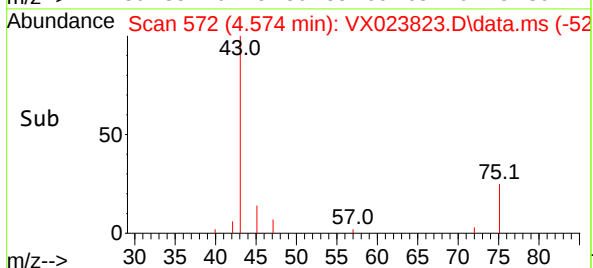
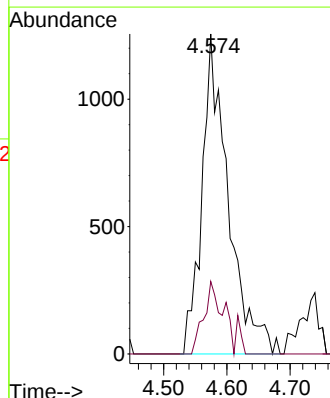
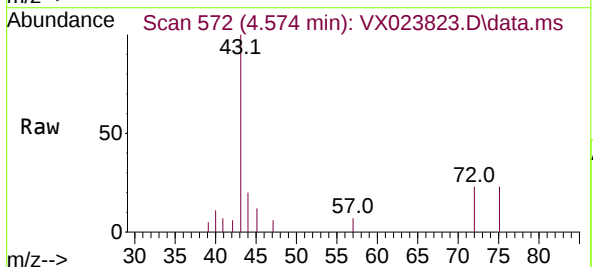
Acq: 18 Aug 2021 17:48

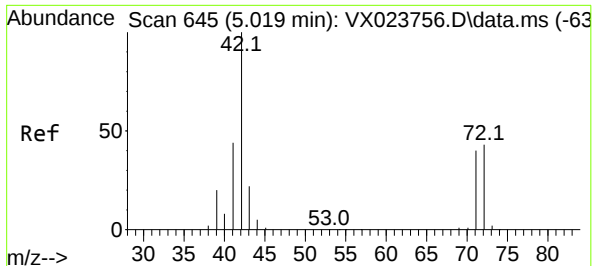
Tgt Ion: 43 Resp: 3638

Ion Ratio Lower Upper

43 100

72 22.6 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.597 ug/l

RT: 5.044 min Scan# 649

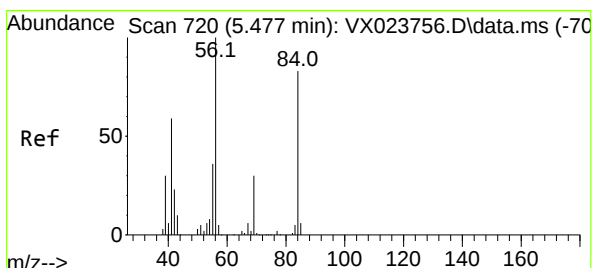
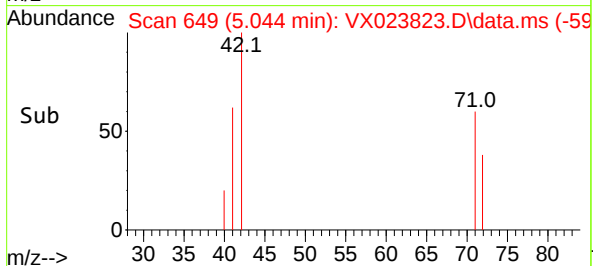
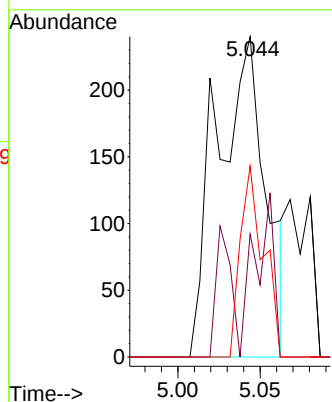
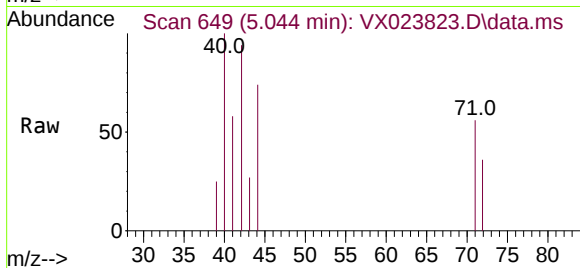
Delta R.T. 0.025 min

Lab File: VX023823.D

Acq: 18 Aug 2021 17:48

Tgt Ion:	42	Resp:	495
Ion	Ratio	Lower	Upper
42	100		
72	19.8	41.7	62.5#
71	28.3	38.4	57.6#

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ClientSampleId :
PB138522ZHE#08



#31

Cyclohexane

Concen: 1.338 ug/l

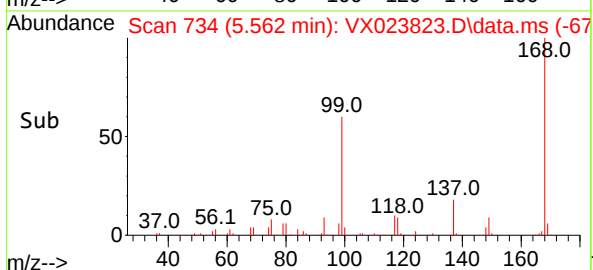
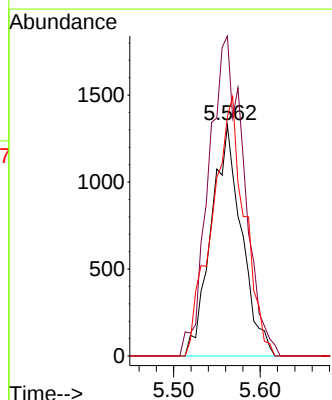
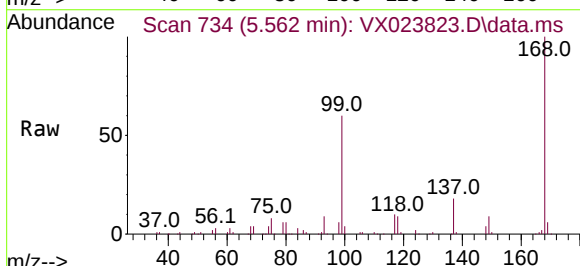
RT: 5.562 min Scan# 734

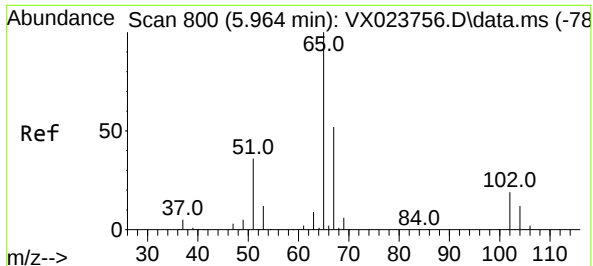
Delta R.T. 0.085 min

Lab File: VX023823.D

Acq: 18 Aug 2021 17:48

Tgt Ion:	56	Resp:	3247
Ion	Ratio	Lower	Upper
56	100		
69	138.8	25.3	37.9#
84	103.8	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 52.304 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023823.D

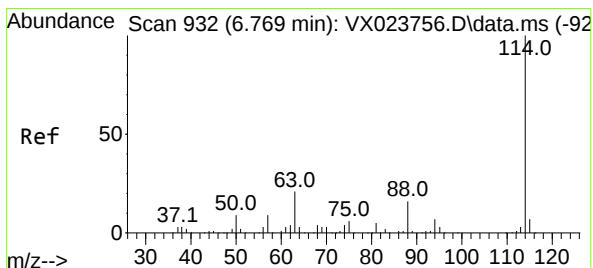
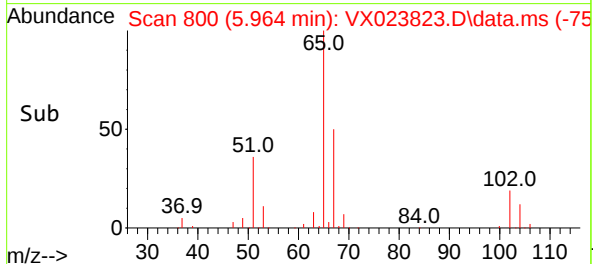
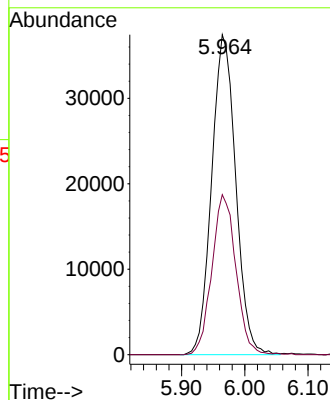
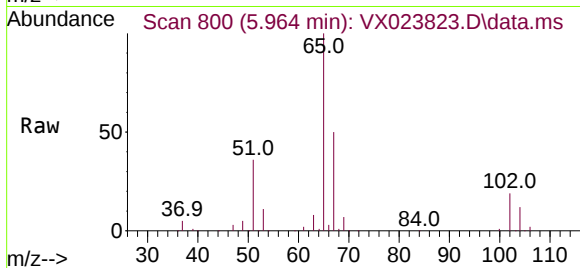
Acq: 18 Aug 2021 17:48

Tgt Ion: 65 Resp: 98797

Ion Ratio Lower Upper

65 100

67 50.0 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: VX023823.D

Acq: 18 Aug 2021 17:48

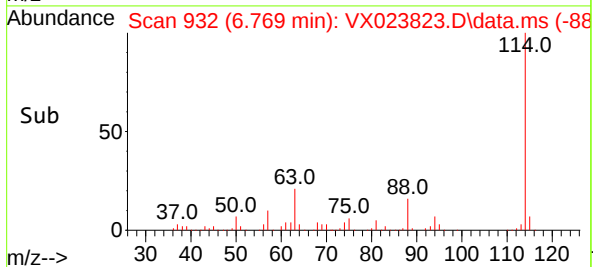
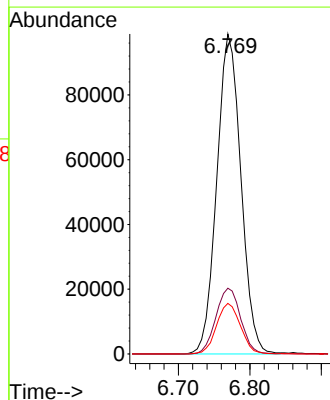
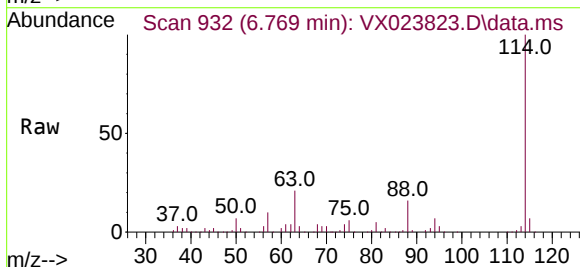
Tgt Ion: 114 Resp: 231553

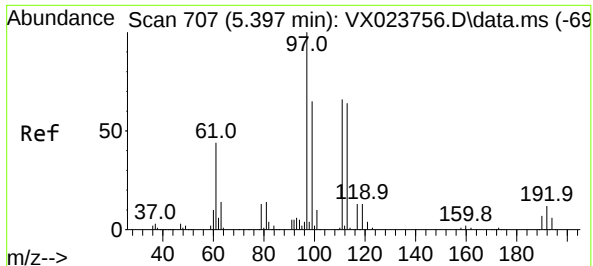
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 15.8 0.0 32.8

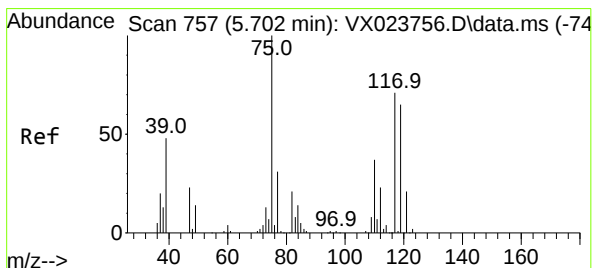
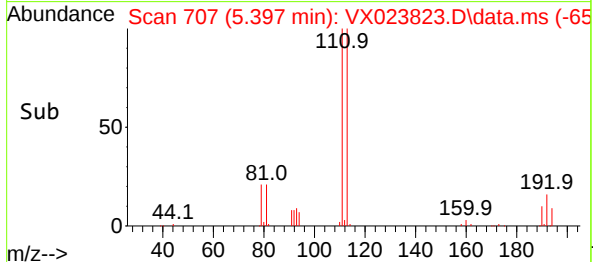
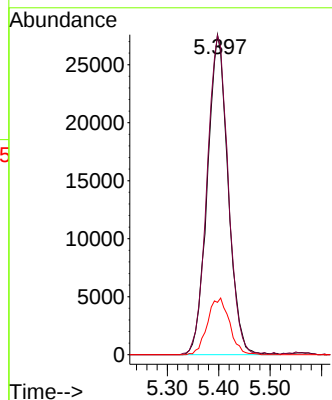
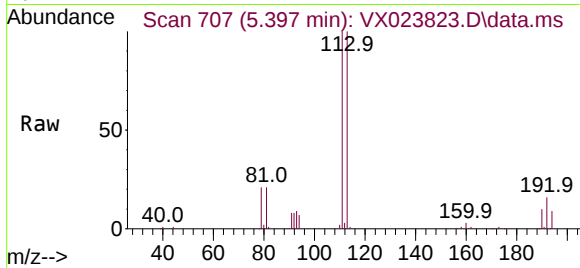




#35
Dibromofluoromethane
Concen: 50.394 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

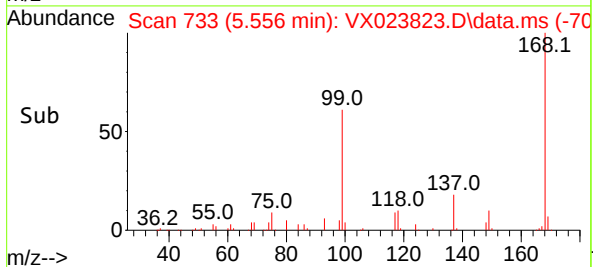
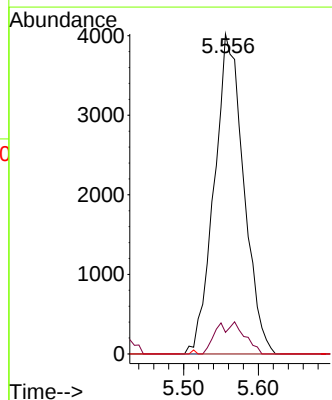
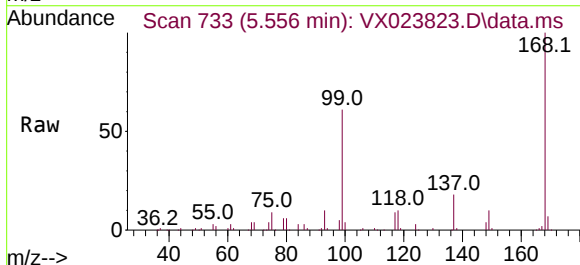
Instrument :
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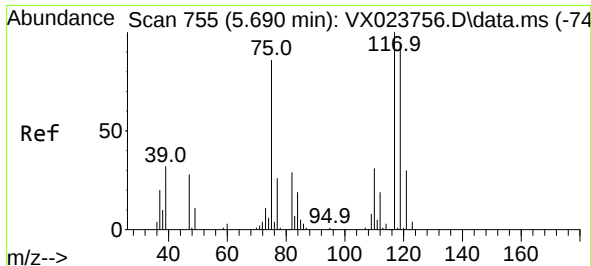
Tgt Ion:	113	Resp:	77234
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	18.8	16.7	25.1



#36
1,1-Dichloropropene
Concen: 5.130 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

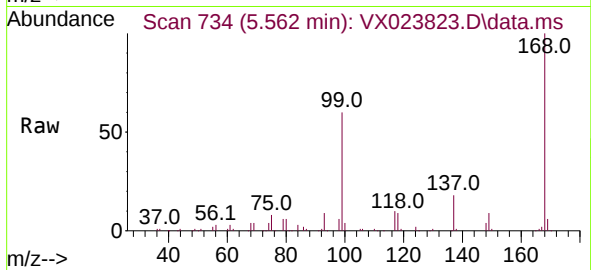
Tgt Ion:	75	Resp:	11000
Ion	Ratio	Lower	Upper
75	100		
110	4.1	18.1	54.4#
77	0.0	25.3	37.9#



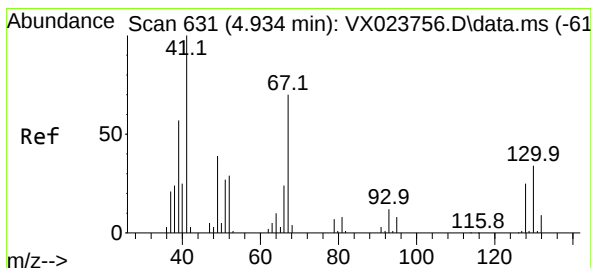
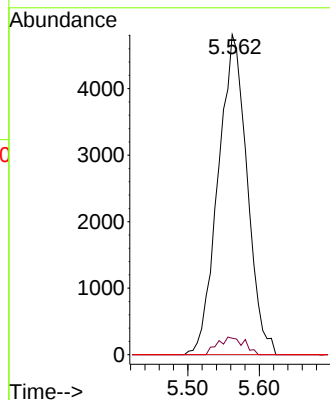
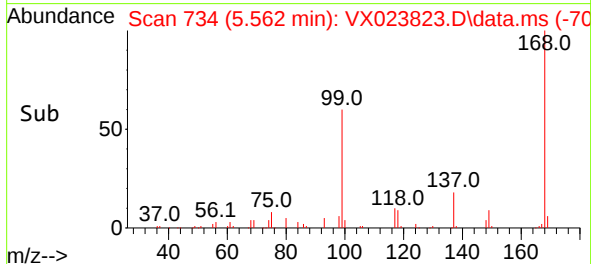


#38
Carbon Tetrachloride
Concen: 6.047 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

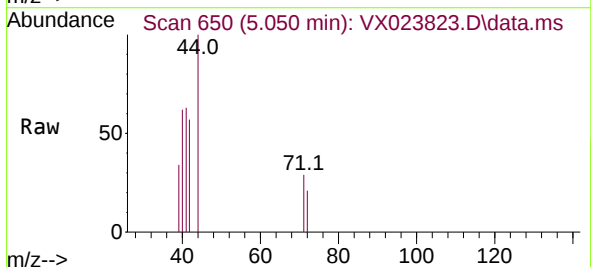
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#08



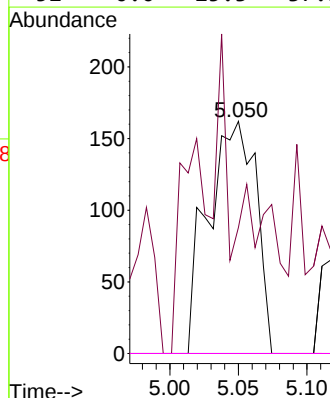
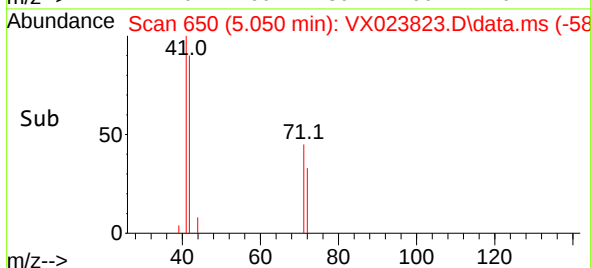
Tgt Ion:117 Resp: 13521
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#

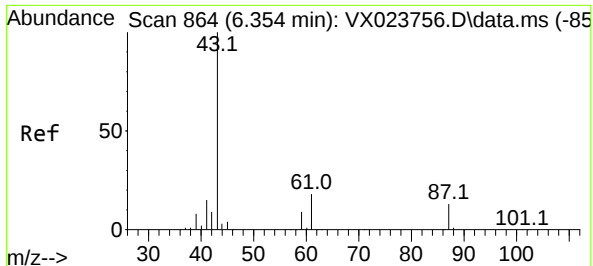


#41
Methacrylonitrile
Concen: 0.276 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.116 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48



Tgt Ion: 41 Resp: 395
Ion Ratio Lower Upper
41 100
39 10.9 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

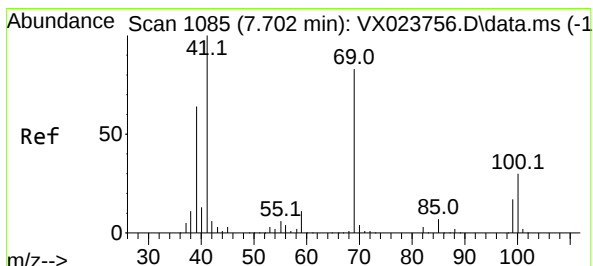
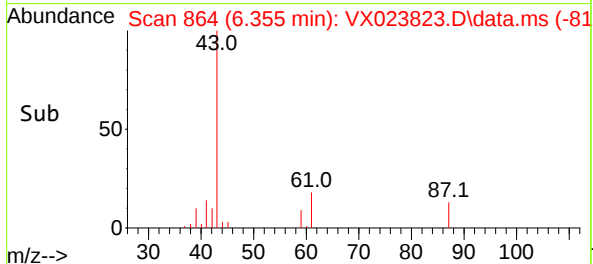
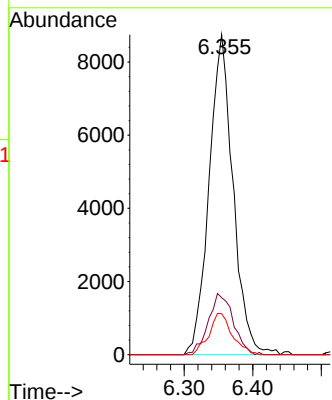
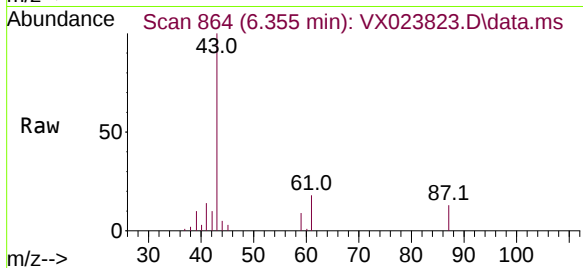




#43
Isopropyl Acetate
Concen: 5.149 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

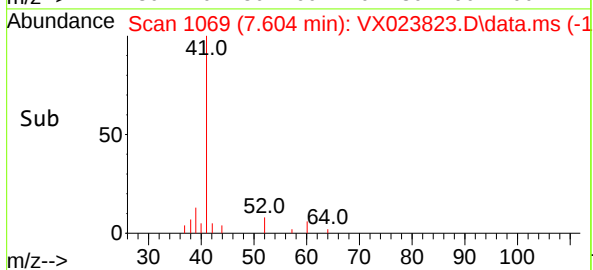
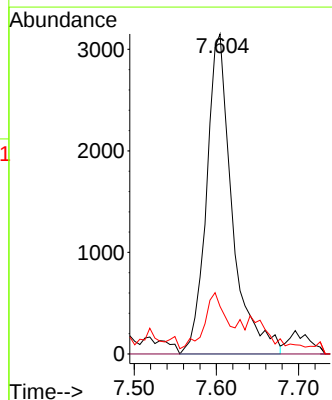
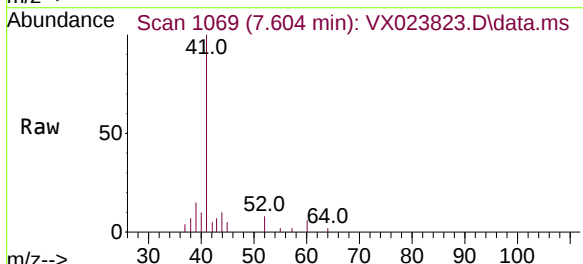
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#08

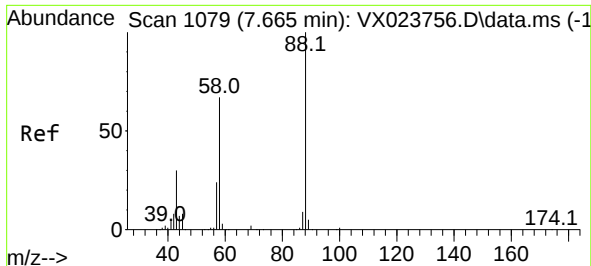
Tgt Ion: 43	Resp: 21230
Ion Ratio	Lower Upper
43 100	
61 19.9	18.2 27.4
87 12.6	12.5 18.7



#48
Methyl methacrylate
Concen: 3.395 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

Tgt Ion: 41	Resp: 6828
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: 4.234 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX023823.D

Acq: 18 Aug 2021 17:48

Tgt Ion: 88 Resp: 180

Ion Ratio Lower Upper

88 100

43 690622.8 23.2 34.8#

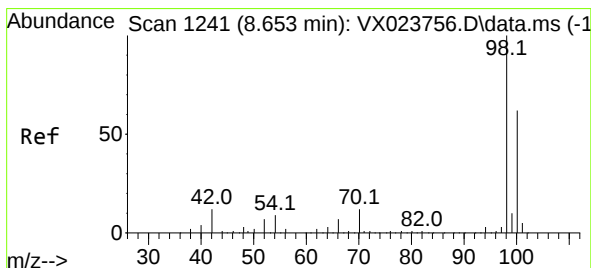
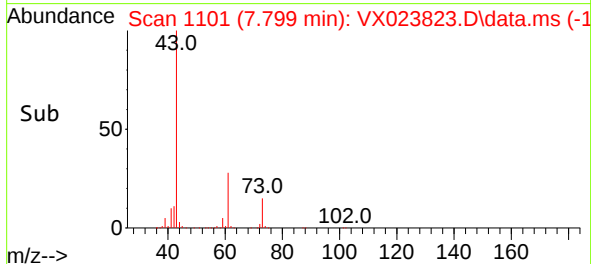
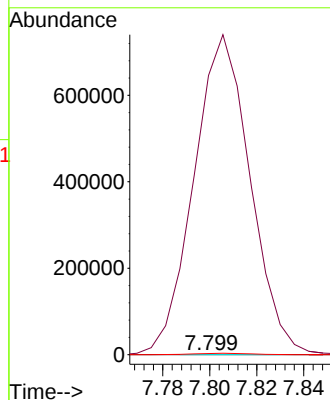
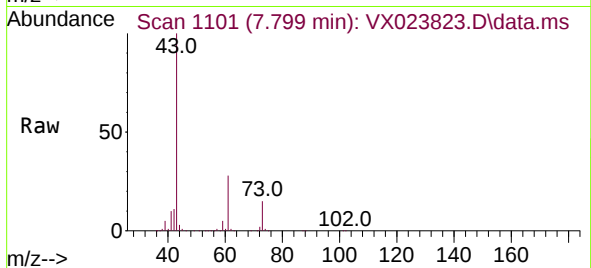
58 3111.7 55.0 82.4#

Instrument :

MSVOA_X

ClientSampleId :

PB138522ZHE#08



#50

Toluene-d8

Concen: 50.940 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023823.D

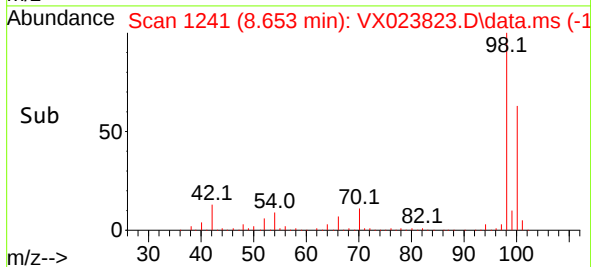
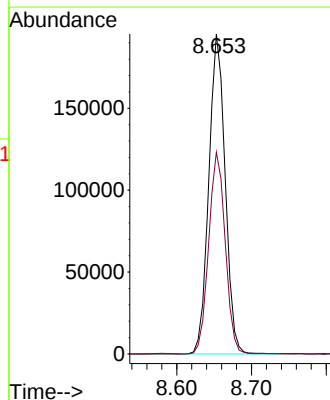
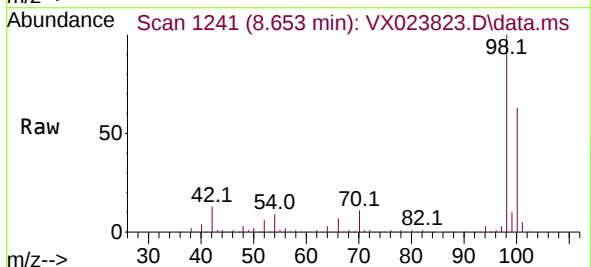
Acq: 18 Aug 2021 17:48

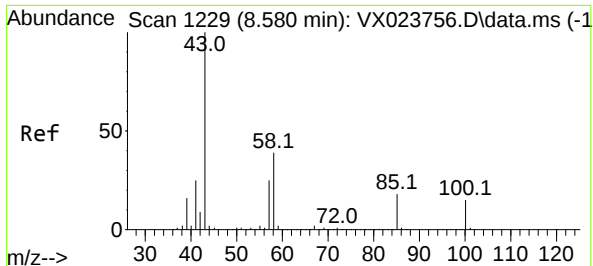
Tgt Ion: 98 Resp: 297138

Ion Ratio Lower Upper

98 100

100 63.7 51.9 77.9

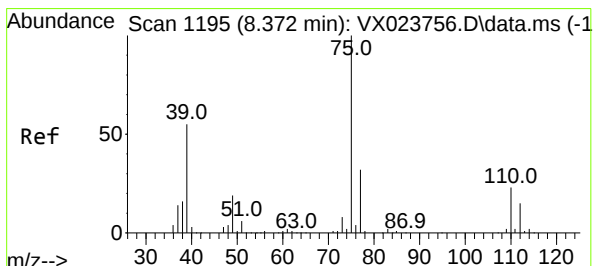
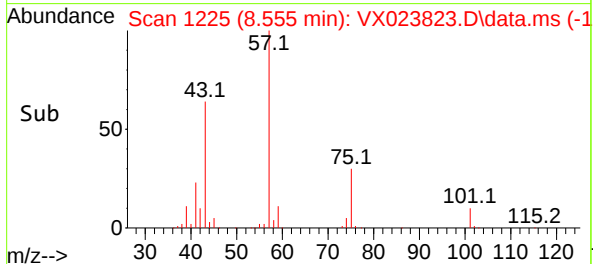
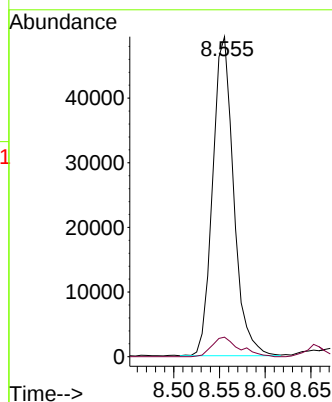
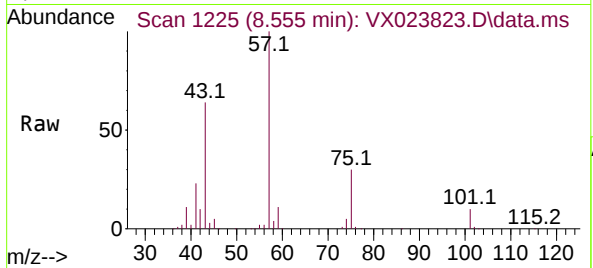




#51
4-Methyl-2-Pentanone
Concen: 29.500 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

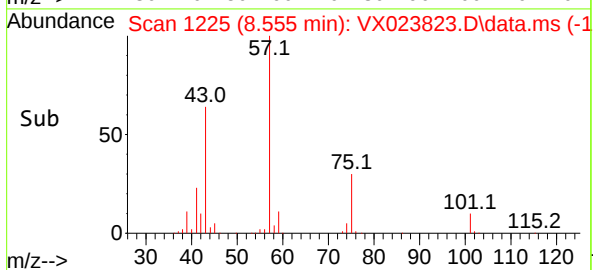
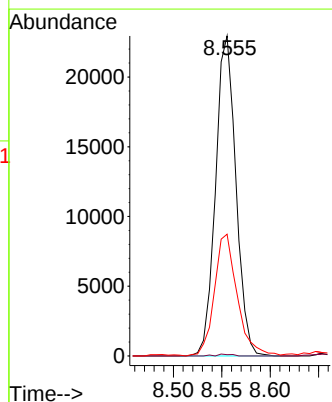
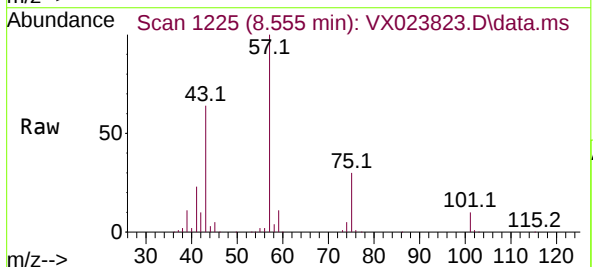
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#08

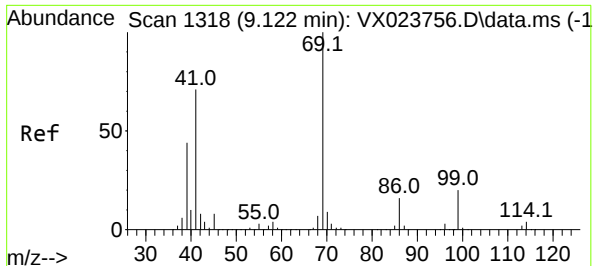
Tgt Ion: 43 Resp: 78623
Ion Ratio Lower Upper
43 100
58 7.9 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 13.039 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

Tgt Ion: 75 Resp: 33490
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 37.8 35.1 52.7

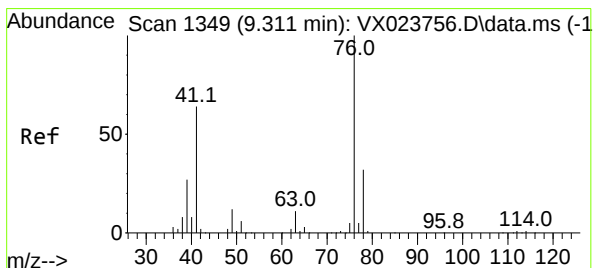
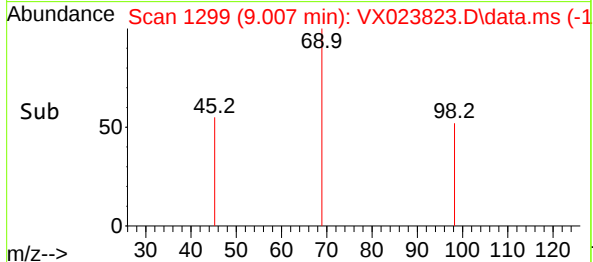
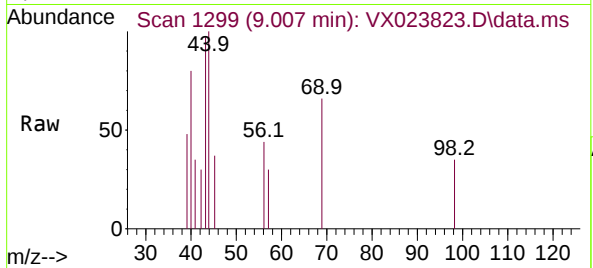




#56
Ethyl methacrylate
Concen: 0.797 ug/l
RT: 9.007 min Scan# 1299
Delta R.T. -0.115 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

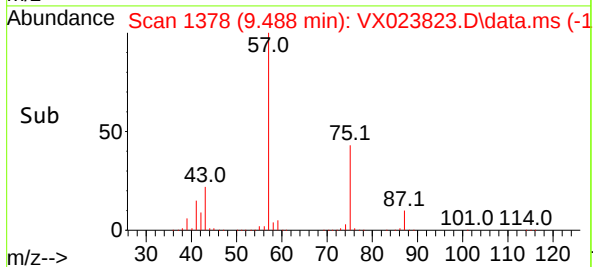
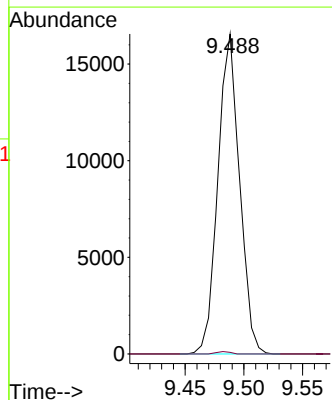
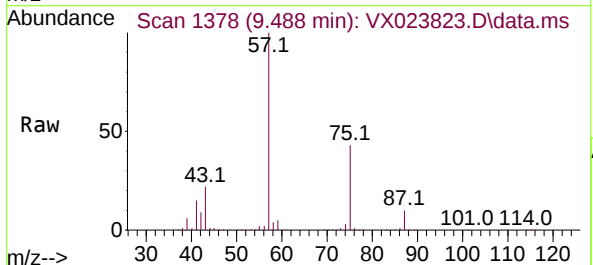
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#08

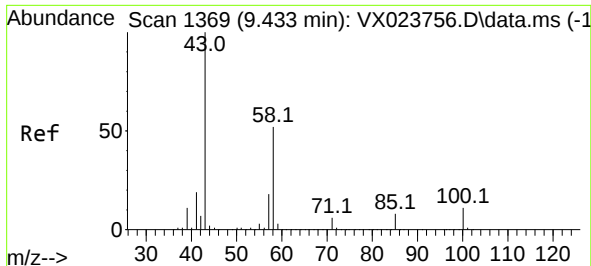
Tgt Ion: 69 Resp: 110
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 7.572 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

Tgt Ion: 76 Resp: 21244
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#

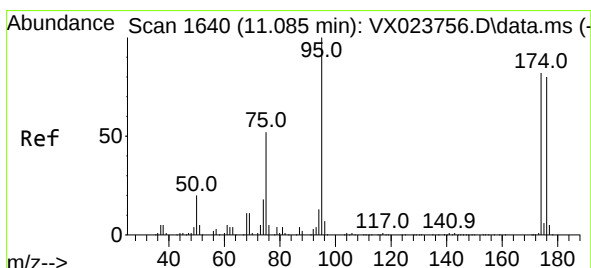
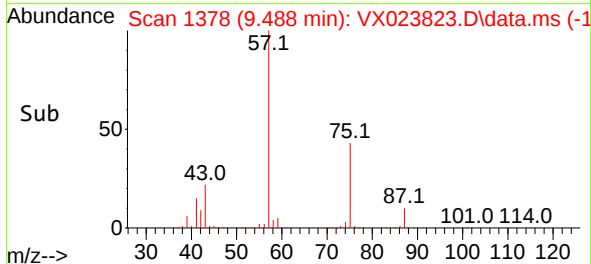
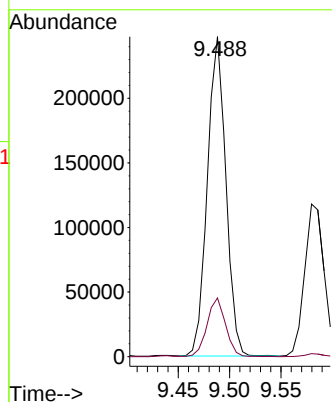
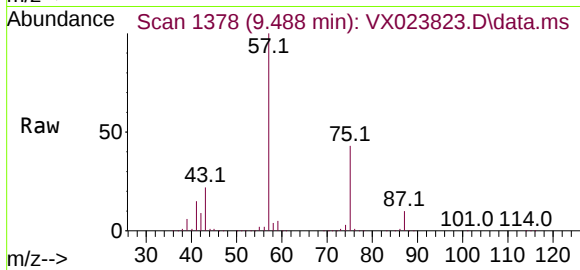




#59
2-Hexanone
Concen: 151.850 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

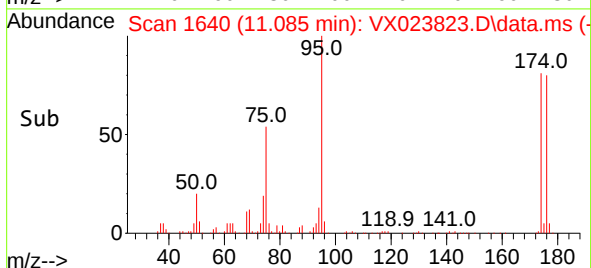
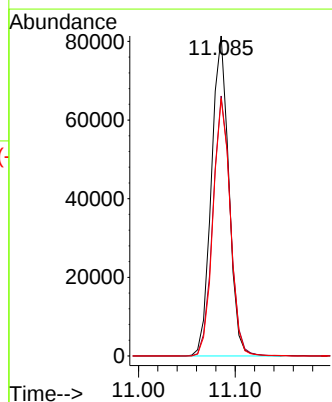
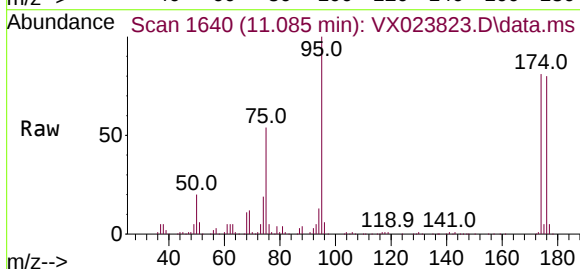
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#08

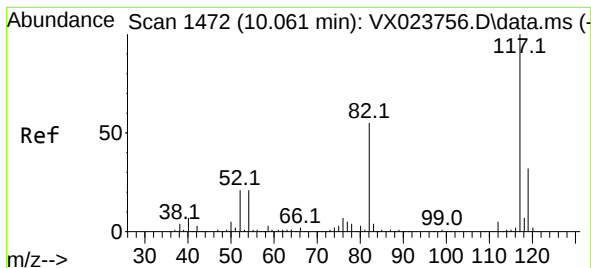
Tgt Ion: 43 Resp: 311089
Ion Ratio Lower Upper
43 100
58 18.5 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 47.416 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

Tgt Ion: 95 Resp: 101818
Ion Ratio Lower Upper
95 100
174 81.4 0.0 154.6
176 79.4 0.0 155.8

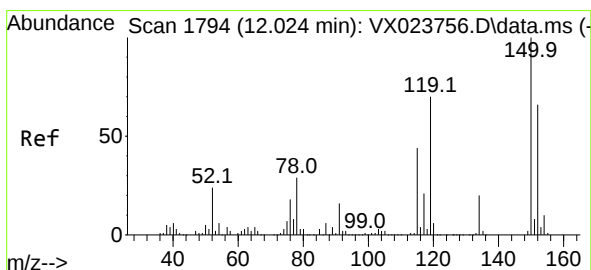
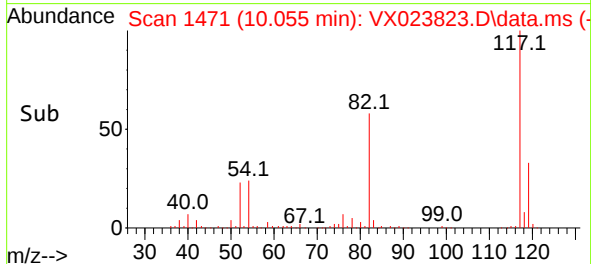
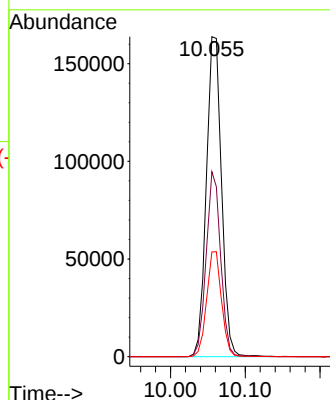
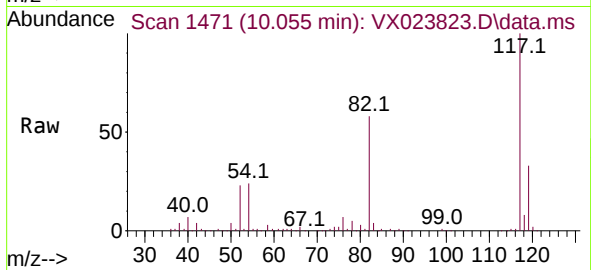




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

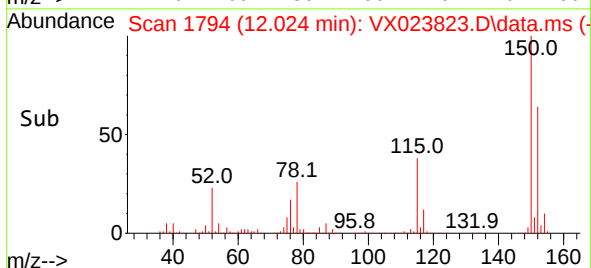
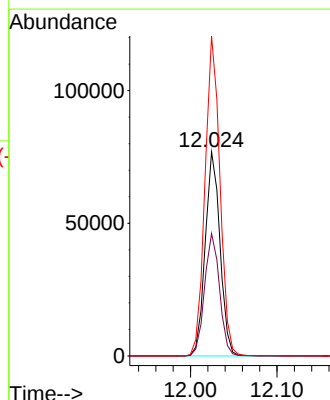
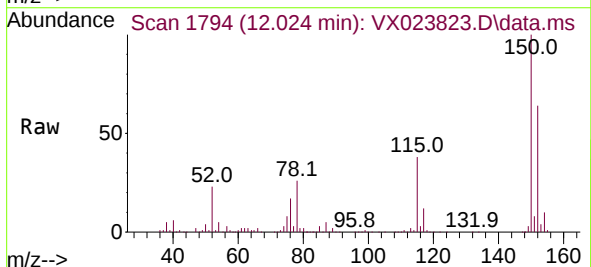
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#08

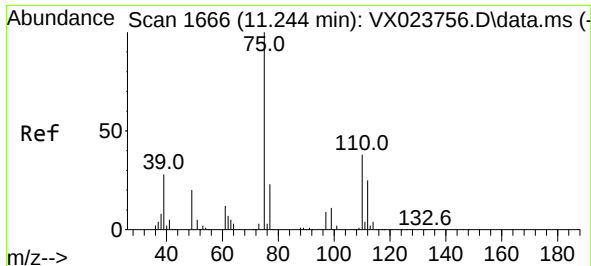
Tgt Ion:117 Resp: 230812
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 32.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

Tgt Ion:152 Resp: 91217
Ion Ratio Lower Upper
152 100
115 60.5 41.1 123.3
150 158.3 0.0 349.0

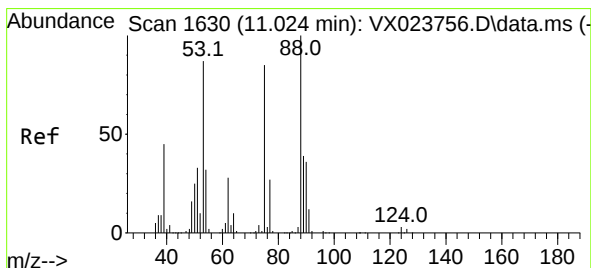
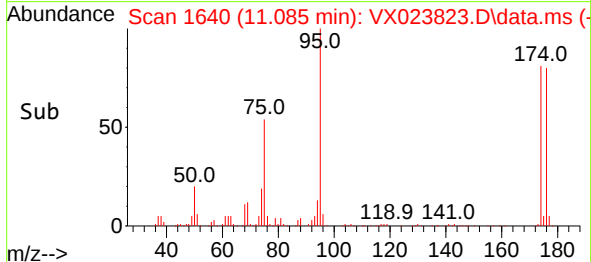
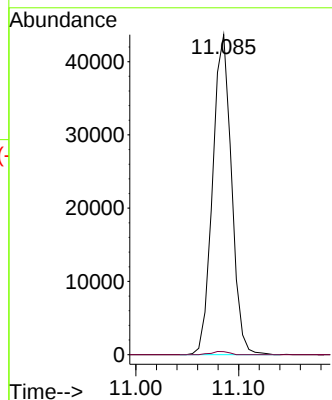
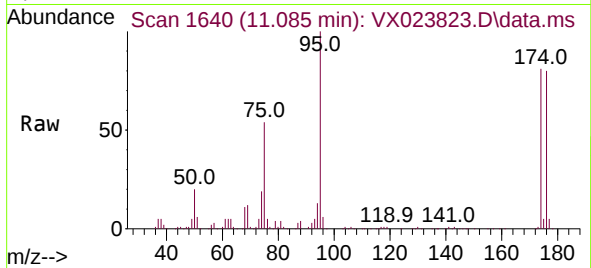




#76
1,2,3-Trichloropropane
Concen: 26.108 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

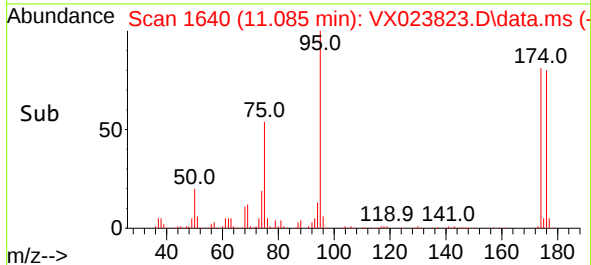
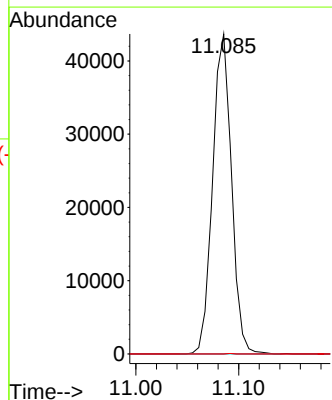
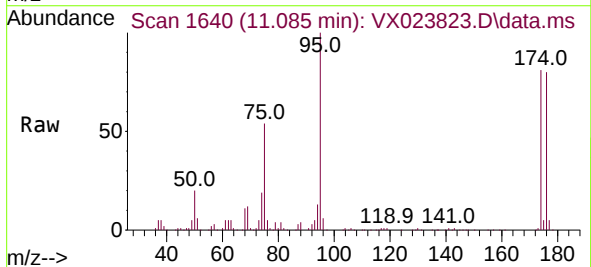
Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#08

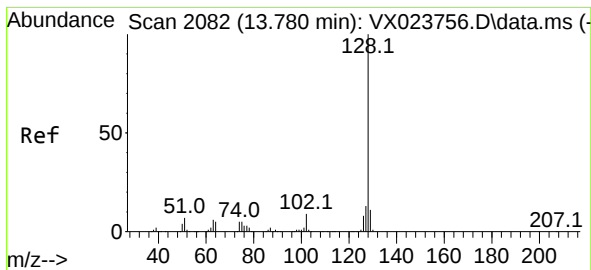
Tgt Ion: 75 Resp: 55555
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.799 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

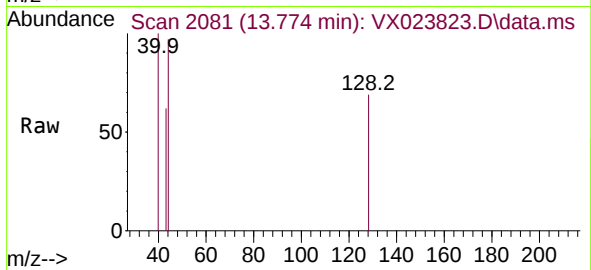
Tgt Ion: 75 Resp: 55555
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.293 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX023823.D
Acq: 18 Aug 2021 17:48

Instrument :
MSVOA_X
ClientSampleId :
PB138522ZHE#08



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

