

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091522\
 Data File : VX031396.D
 Acq On : 16 Sep 2022 08:55
 Operator : JC/MD
 Sample : N4537-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW1

Quant Time: Sep 16 18:55:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

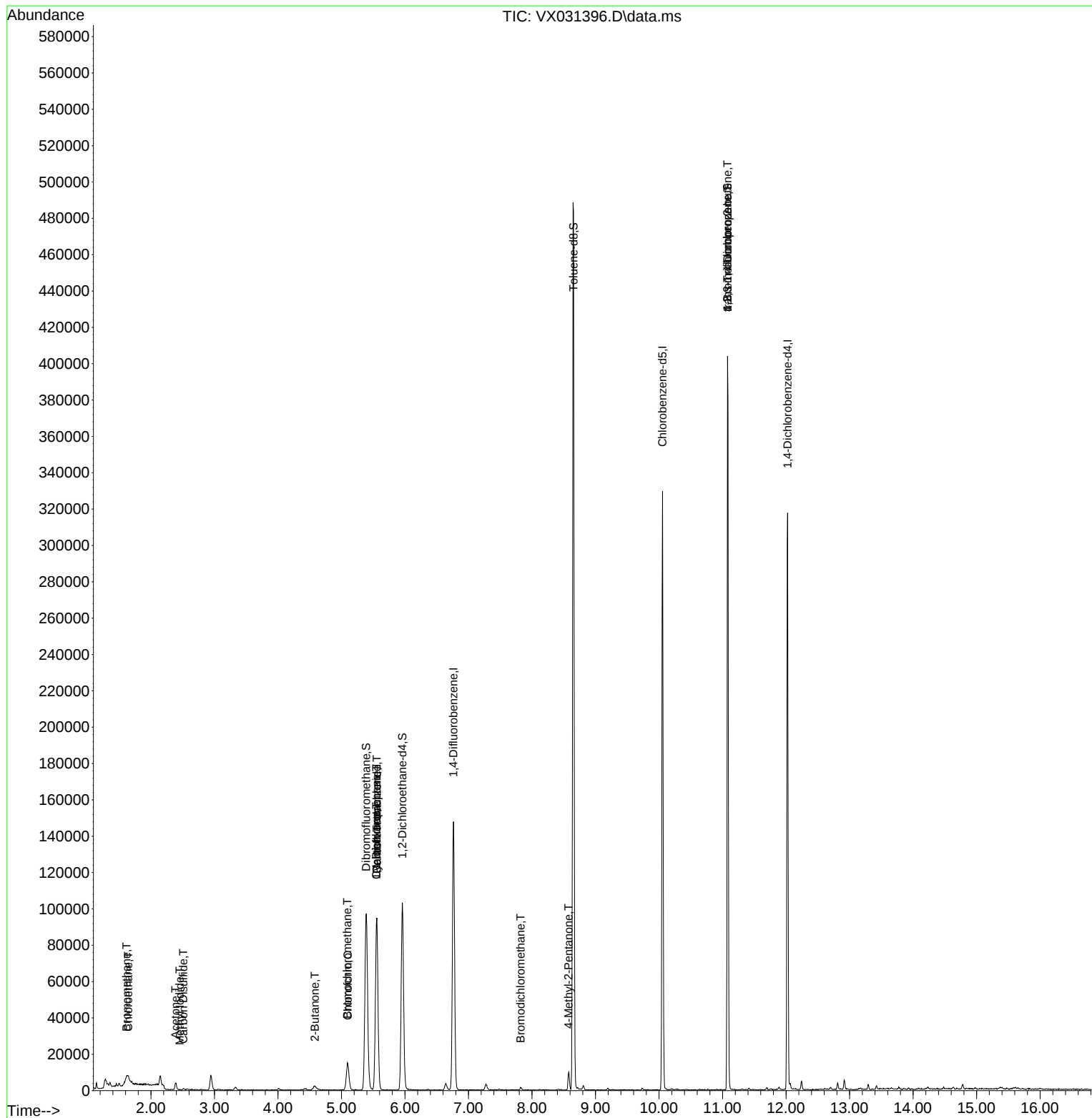
Internal Standards						
1) Pentafluorobenzene	5.556	168	88858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	151152	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91634	42.014	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.020%		
35) Dibromofluoromethane	5.385	113	75300	46.345	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.680%		
50) Toluene-d8	8.653	98	290238	47.621	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.240%		
62) 4-Bromofluorobenzene	11.079	95	92835	41.595	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	83.200%		
Target Compounds						Qvalue
3) Chloromethane	1.295	50	566	Below Cal		94
5) Bromomethane	1.618	94	467	0.401 ug/l #		79
6) Chloroethane	1.642	64	288	0.255 ug/l #		43
10) Methyl Iodide	2.453	142	161	1.019 ug/l #		38
11) Tert butyl alcohol	2.941	59	4877	Below Cal #		75
16) Acetone	2.386	43	4797	5.152 ug/l		96
17) Carbon Disulfide	2.508	76	962	1.198 ug/l #		75
20) Methylene Chloride	2.788	84	115	Below Cal #		55
21) trans-1,2-Dichloroethene	3.251	96	22	Below Cal #		1
25) 2-Butanone	4.580	43	643	0.419 ug/l #		49
28) Bromochloromethane	5.093	49	1492	1.064 ug/l #		15
30) Chloroform	5.099	83	16563	5.197 ug/l		97
31) Cyclohexane	5.550	56	2313	0.987 ug/l #		37
36) 1,1-Dichloropropene	5.550	75	7160	3.220 ug/l #		49
38) Carbon Tetrachloride	5.556	117	9260	3.831 ug/l #		17
47) Bromodichloromethane	7.818	83	1110	0.430 ug/l		92
51) 4-Methyl-2-Pentanone	8.574	43	6044	1.993 ug/l		100
76) 1,2,3-Trichloropropane	11.079	75	53355	33.267 ug/l #		36
81) trans-1,4-Dichloro-2-b...	11.079	75	53355	92.049 ug/l #		11

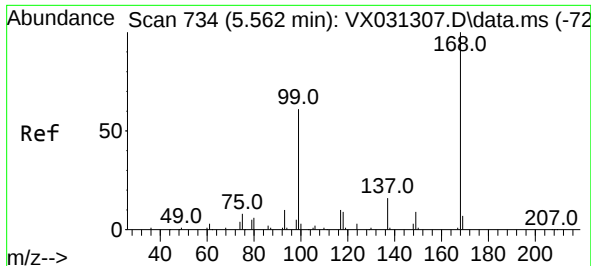
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 15 01:50:07 2022
Response via : Initial Calibration

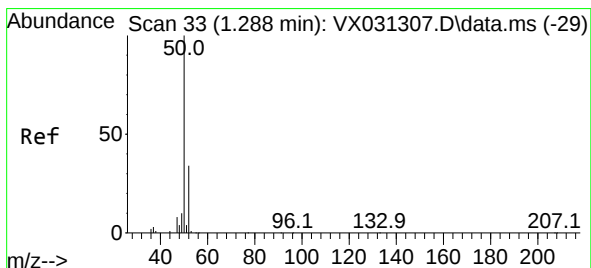
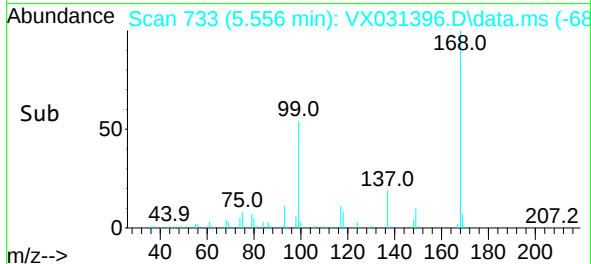
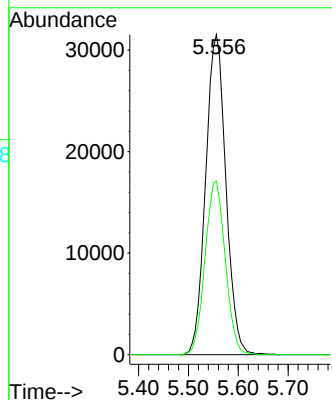
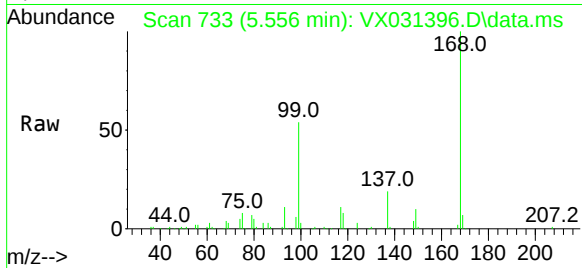




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

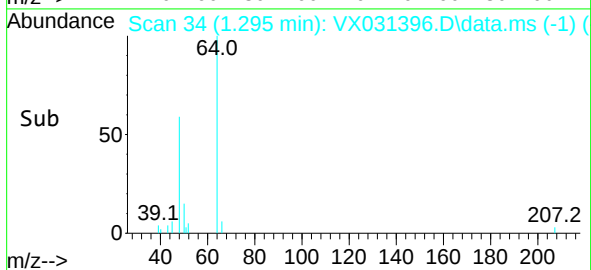
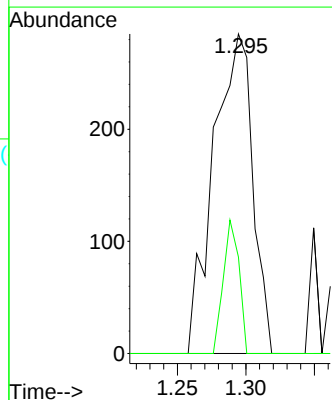
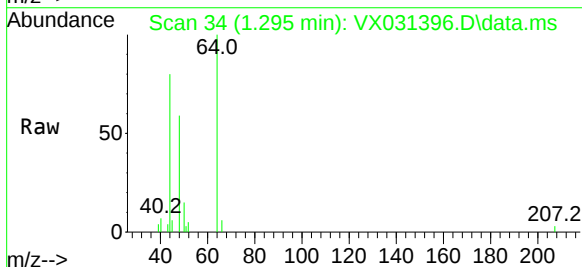
Instrument :
MSVOA_X
ClientSampleId :
MW1

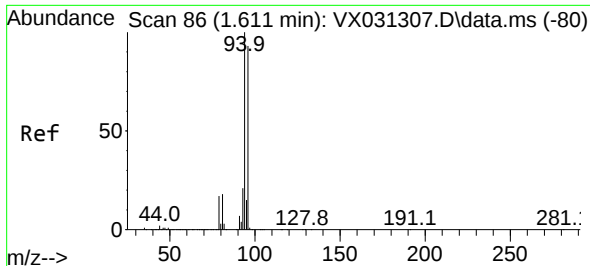
Tgt Ion:168 Resp: 88858
Ion Ratio Lower Upper
168 100
99 54.3 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

Tgt Ion: 50 Resp: 566
Ion Ratio Lower Upper
50 100
52 30.2 26.9 40.3

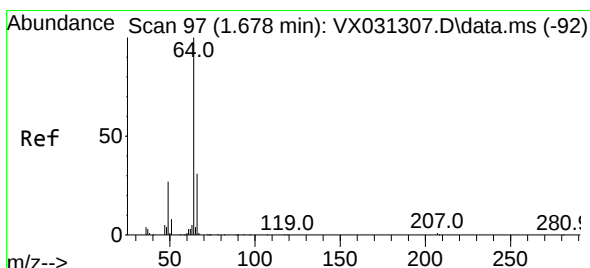
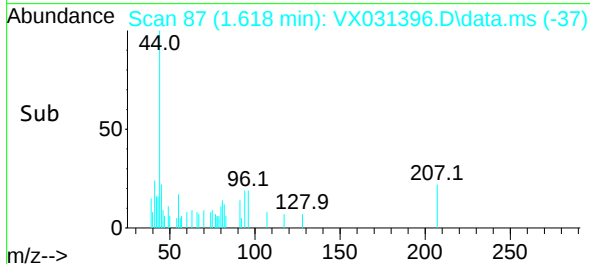
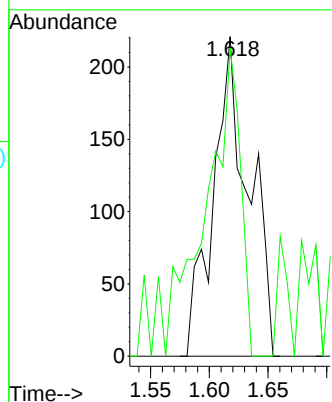
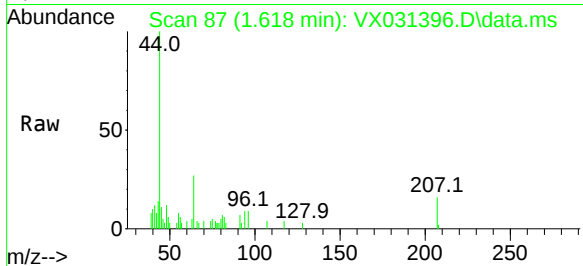




#5
Bromomethane
Concen: 0.401 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

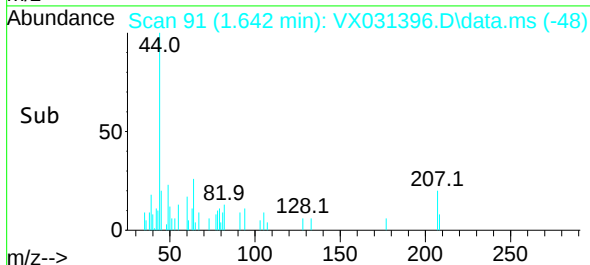
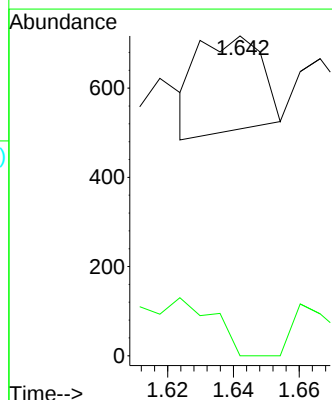
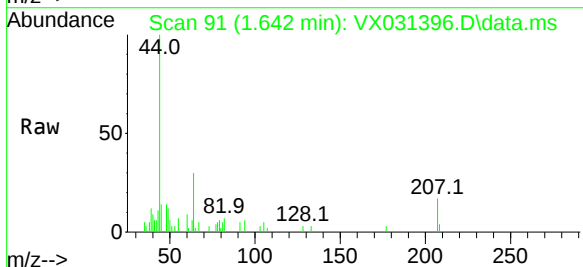
Instrument :
MSVOA_X
ClientSampleId :
MW1

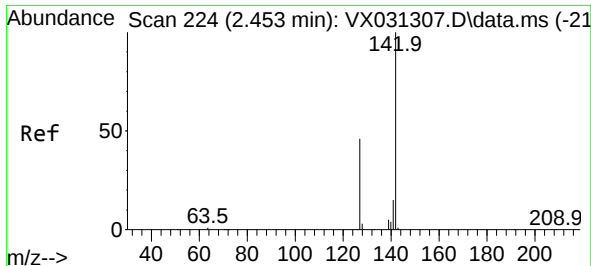
Tgt Ion: 94 Resp: 467
Ion Ratio Lower Upper
94 100
96 73.3 74.4 111.6#



#6
Chloroethane
Concen: 0.255 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.036 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

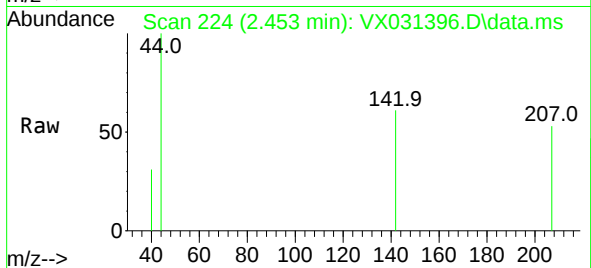
Tgt Ion: 64 Resp: 288
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



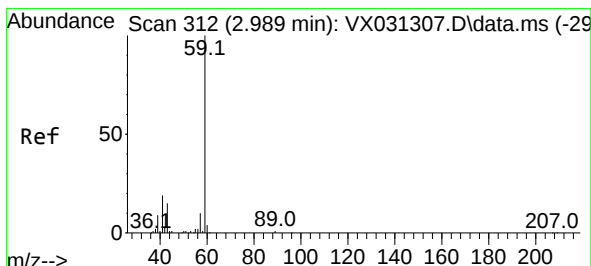
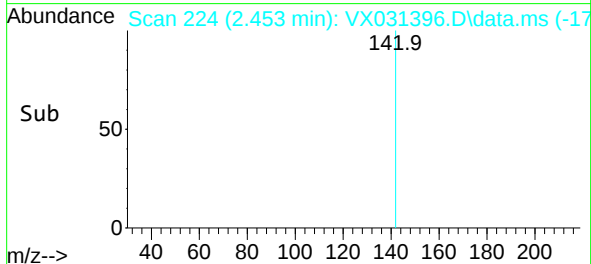
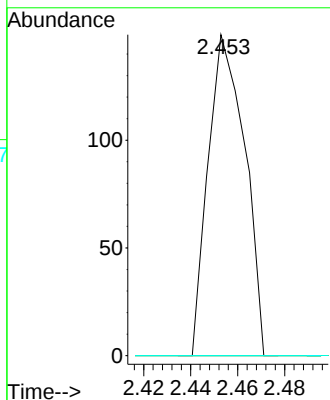


#10
Methyl Iodide
Concen: 1.019 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

Instrument :
MSVOA_X
ClientSampleId :
MW1

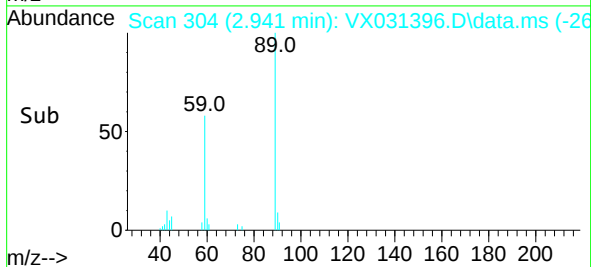
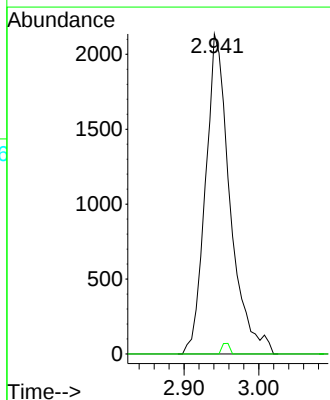
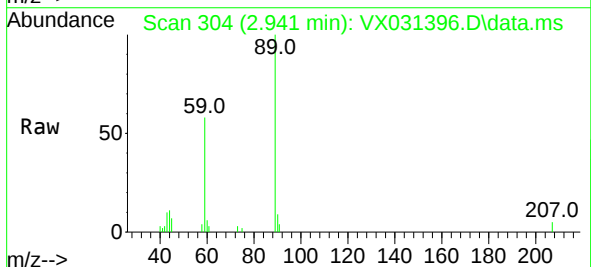


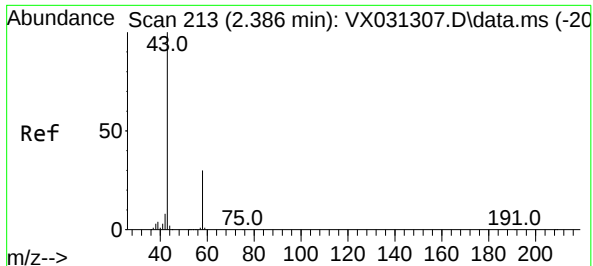
Tgt Ion:142 Resp: 161
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.048 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

Tgt Ion: 59 Resp: 4877
Ion Ratio Lower Upper
59 100
57 1.0 8.2 12.2#

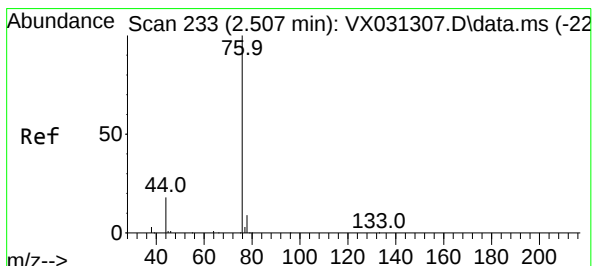
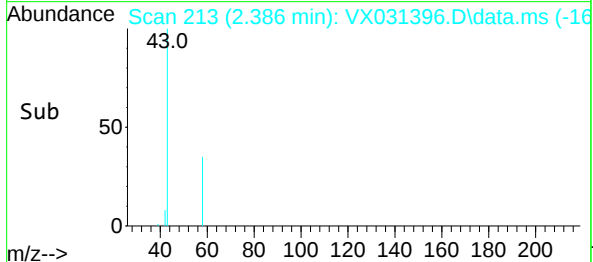
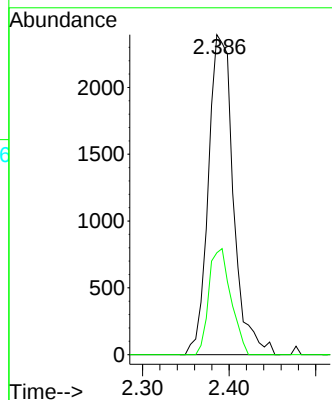
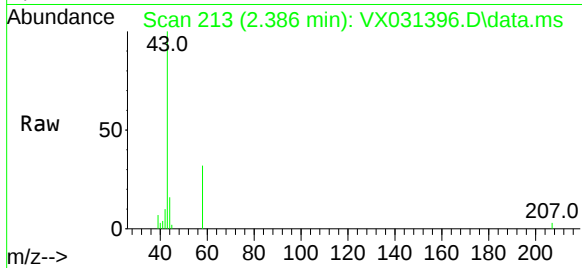




#16
Acetone
Concen: 5.152 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

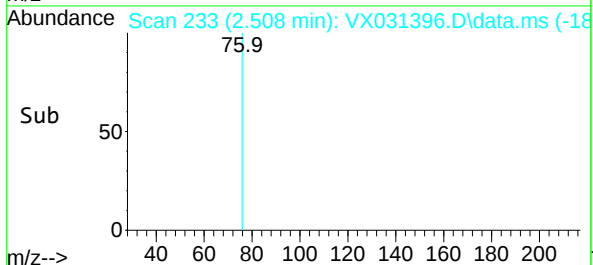
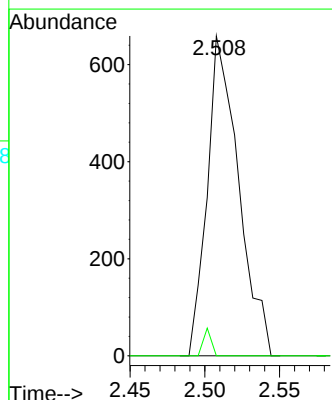
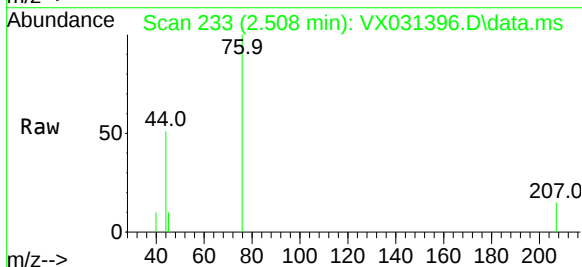
Instrument :
MSVOA_X
ClientSampleId :
MW1

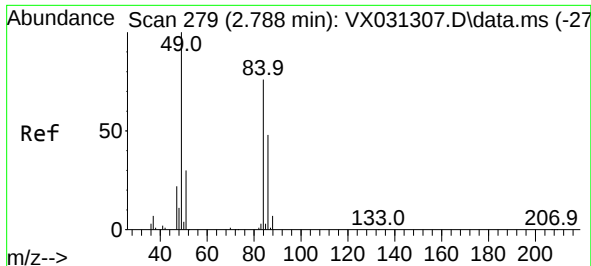
Tgt Ion: 43 Resp: 4797
Ion Ratio Lower Upper
43 100
58 31.9 23.8 35.8



#17
Carbon Disulfide
Concen: 1.198 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.001 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

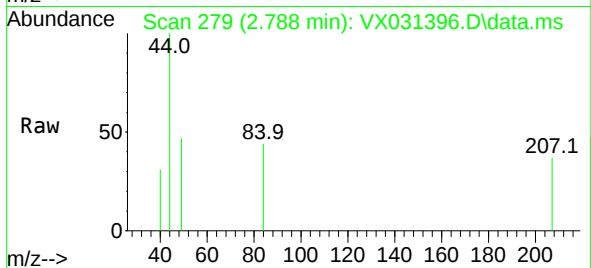
Tgt Ion: 76 Resp: 962
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



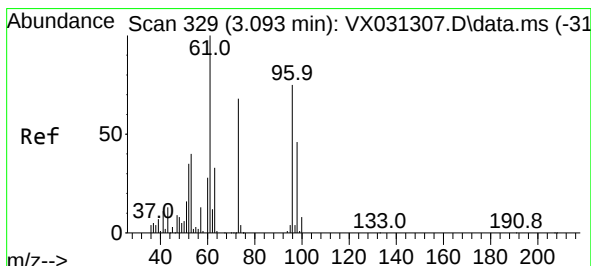
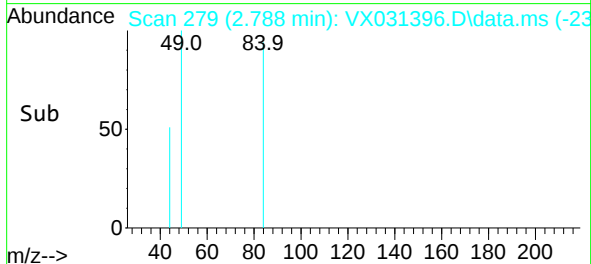
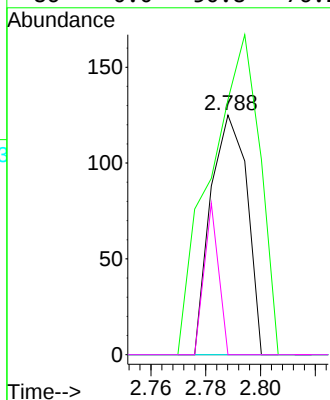


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

Instrument :
MSVOA_X
ClientSampleId :
MW1

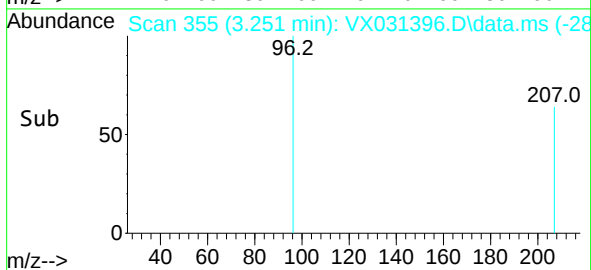
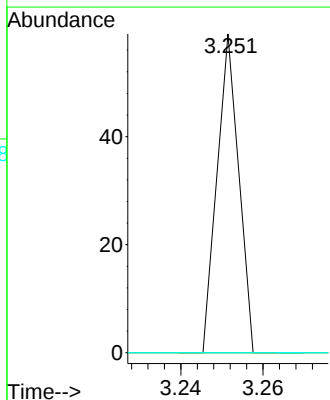
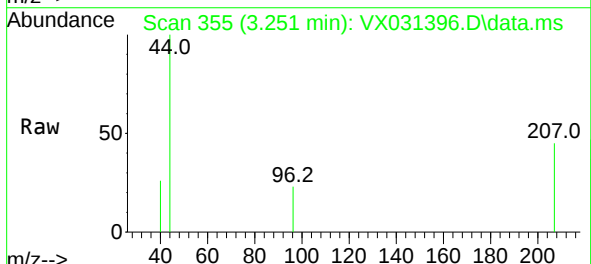


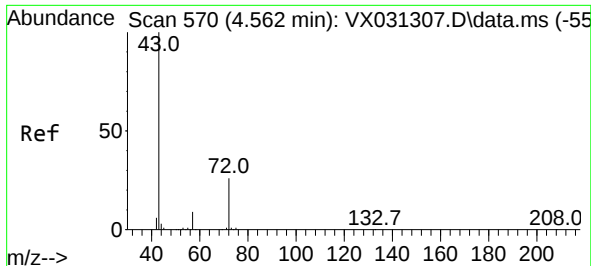
Tgt Ion: 84 Resp: 115
Ion Ratio Lower Upper
84 100
49 106.4 105.9 158.9
51 0.0 32.2 48.2#
86 0.0 50.8 76.2#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.251 min Scan# 355
Delta R.T. 0.158 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

Tgt Ion: 96 Resp: 22
Ion Ratio Lower Upper
96 100
61 0.0 106.7 160.1#
98 0.0 48.7 73.1#

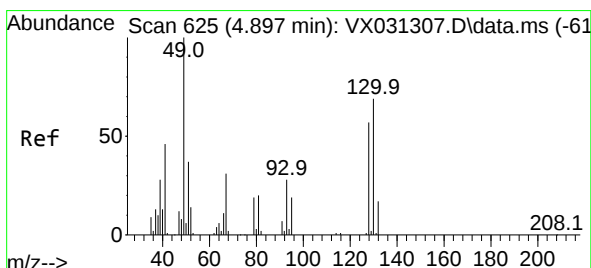
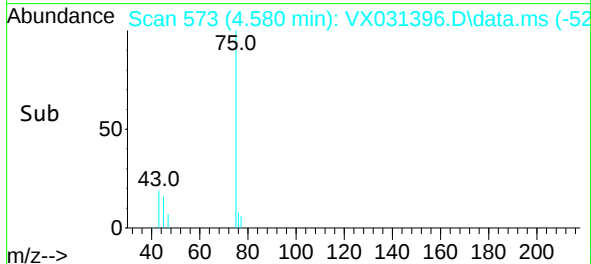
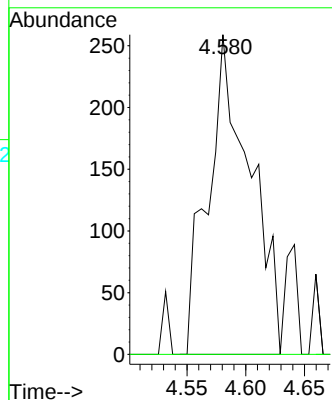
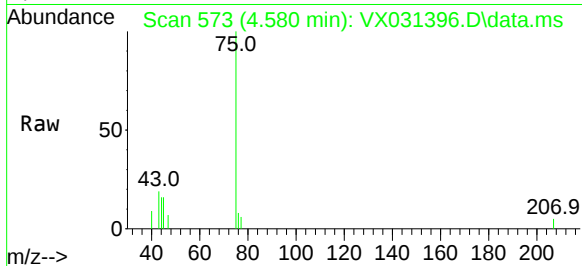




#25
2-Butanone
Concen: 0.419 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

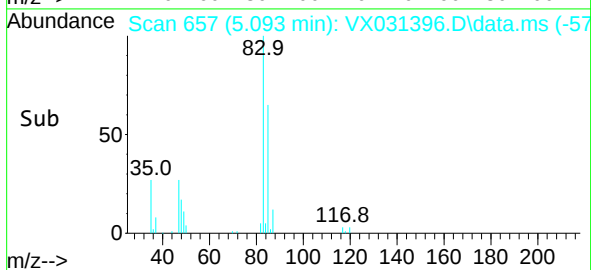
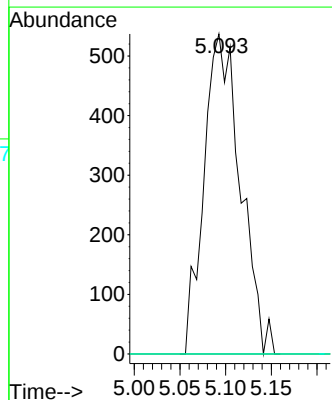
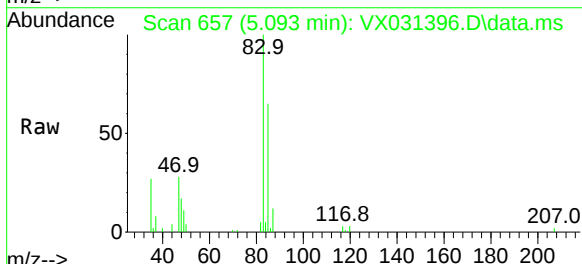
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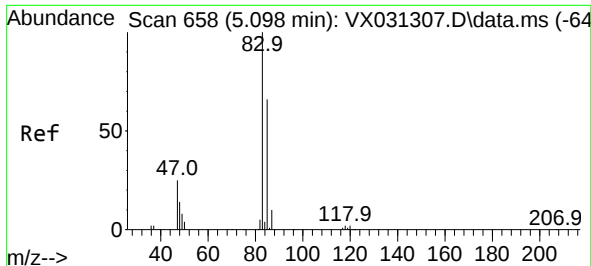
Tgt Ion: 43 Resp: 643
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#28
Bromochloromethane
Concen: 1.064 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.195 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

Tgt Ion: 49 Resp: 1492
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.0 88.4#

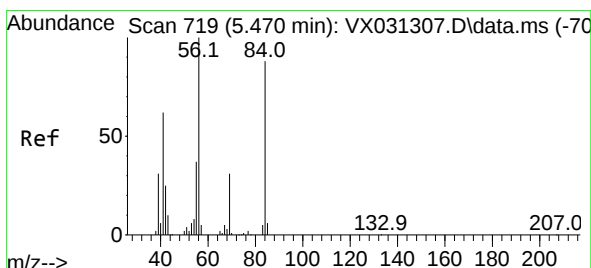
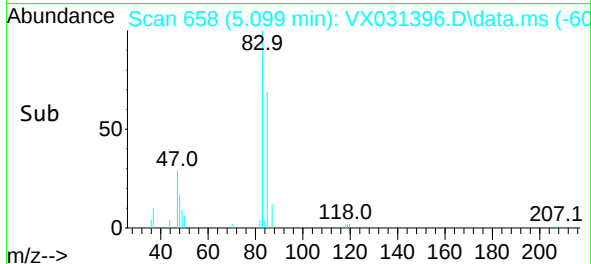
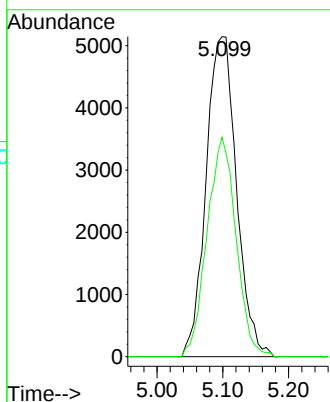
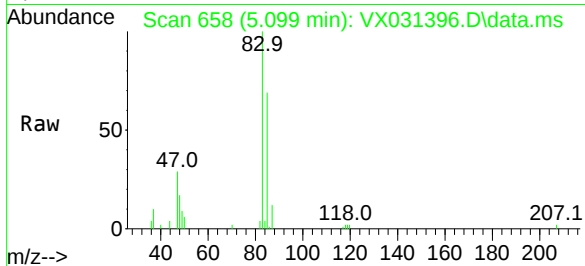




#30
Chloroform
Concen: 5.197 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

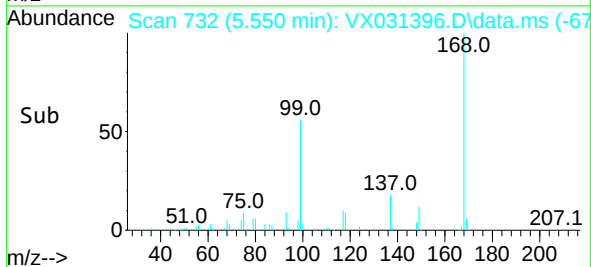
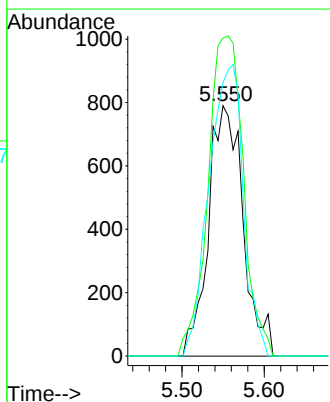
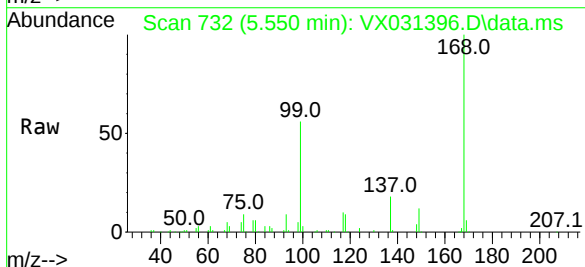
Instrument :
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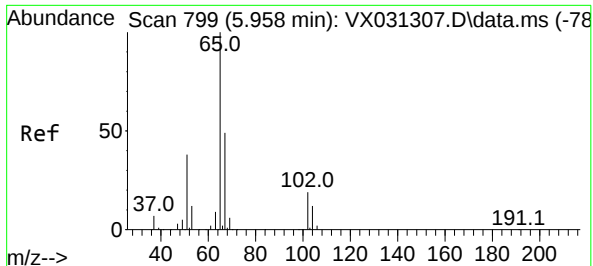
Tgt Ion: 83 Resp: 16563
Ion Ratio Lower Upper
83 100
85 68.5 52.8 79.2



#31
Cyclohexane
Concen: 0.987 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

Tgt Ion: 56 Resp: 2313
Ion Ratio Lower Upper
56 100
69 127.0 25.1 37.7#
84 109.2 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 42.014 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031396.D

Acq: 16 Sep 2022 08:55

Instrument :

MSVOA_X

ClientSampleId :

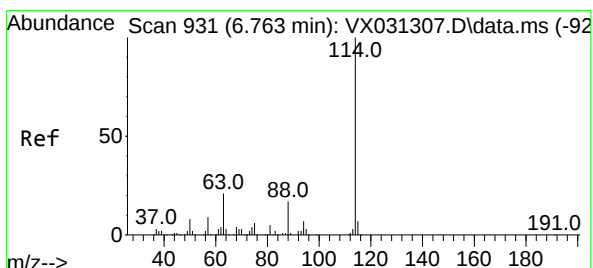
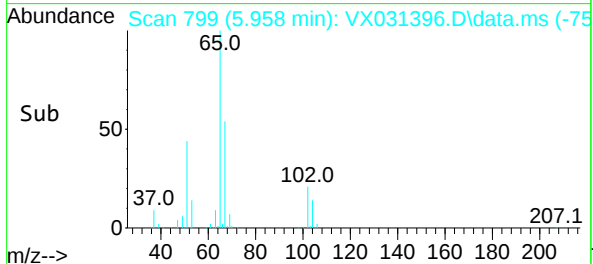
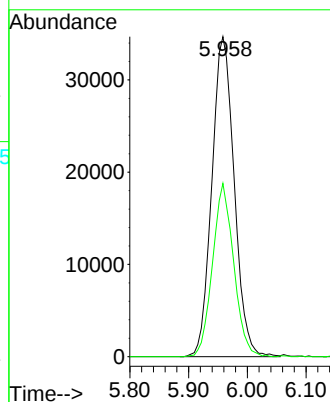
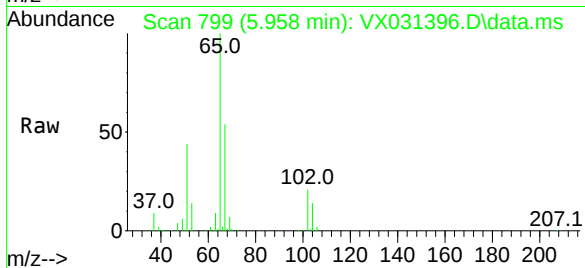
MW1

Tgt Ion: 65 Resp: 91634

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031396.D

Acq: 16 Sep 2022 08:55

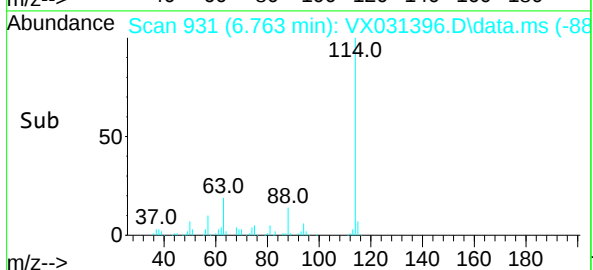
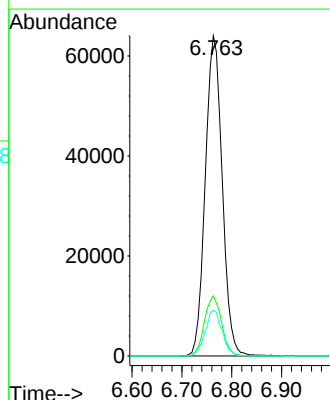
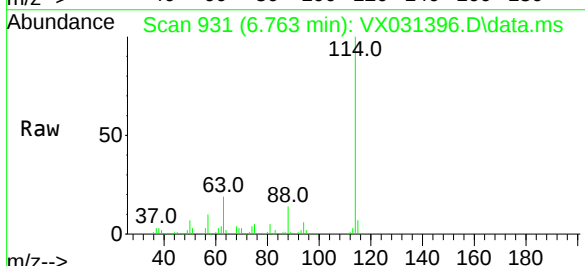
Tgt Ion: 114 Resp: 151152

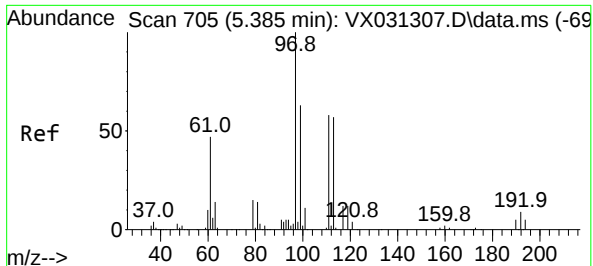
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.6

88 14.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 46.345 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX031396.D

Acq: 16 Sep 2022 08:55

Instrument :

MSVOA_X

ClientSampleId :

MW1

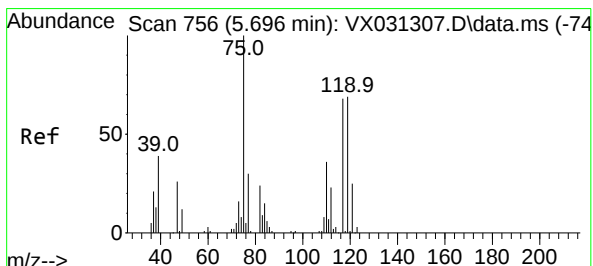
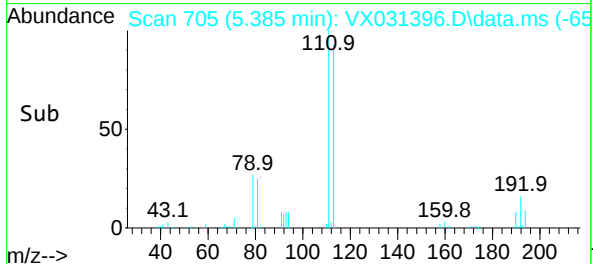
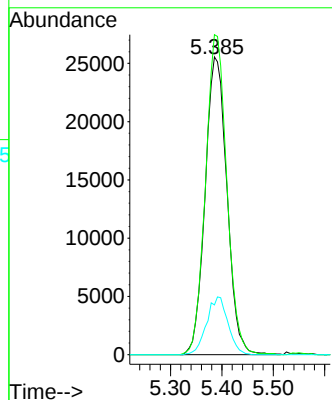
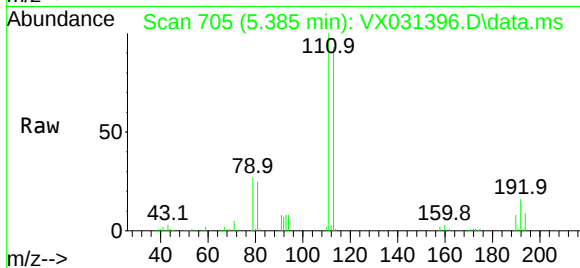
Tgt Ion:113 Resp: 75300

Ion Ratio Lower Upper

113 100

111 105.0 82.4 123.6

192 19.0 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.220 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX031396.D

Acq: 16 Sep 2022 08:55

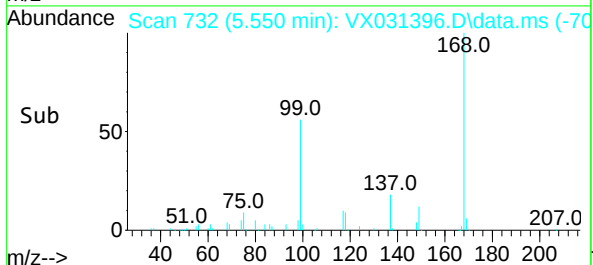
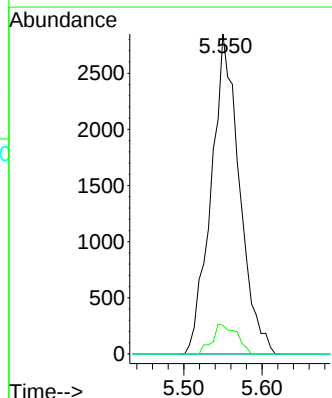
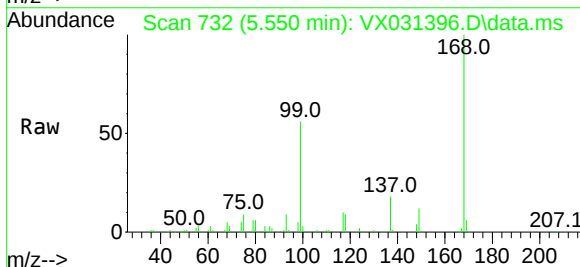
Tgt Ion: 75 Resp: 7160

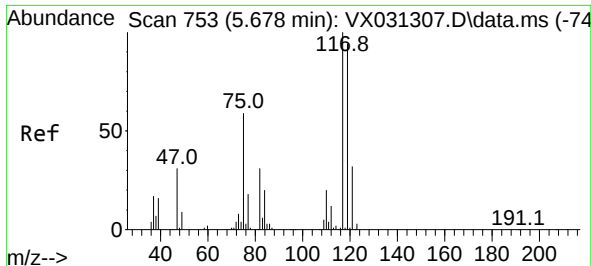
Ion Ratio Lower Upper

75 100

110 7.9 17.5 52.5#

77 0.0 24.9 37.3#

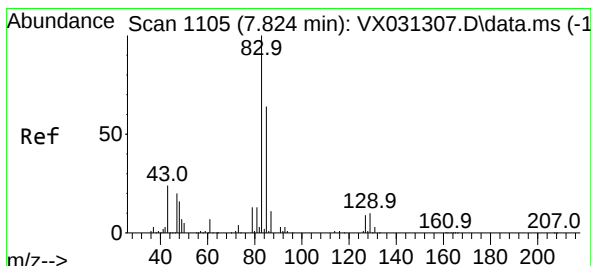
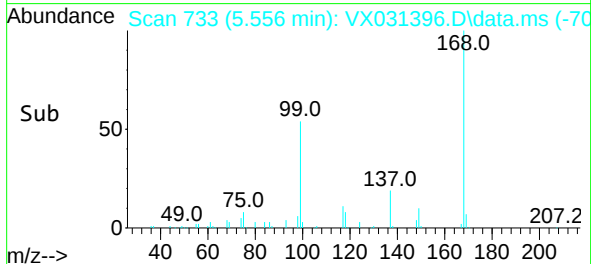
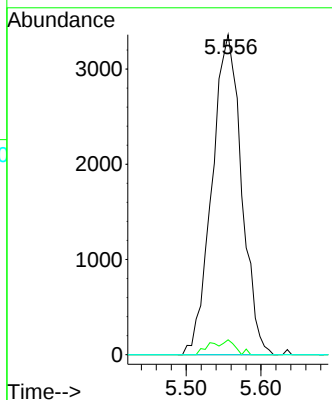
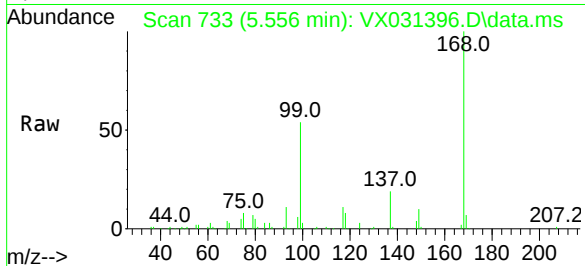




#38
Carbon Tetrachloride
Concen: 3.831 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

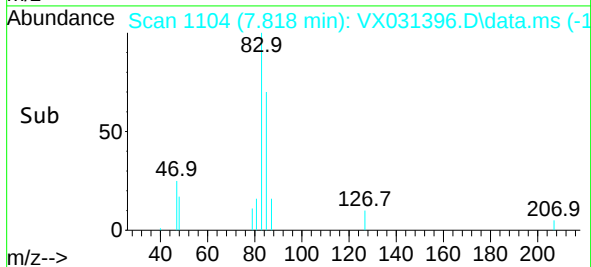
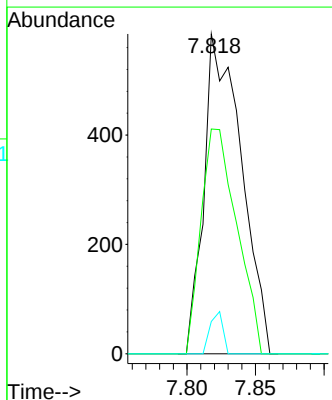
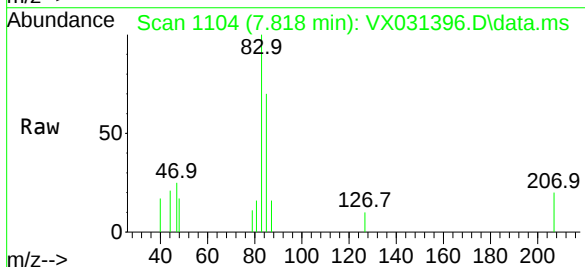
Instrument :
MSVOA_X
ClientSampleId :
MW1

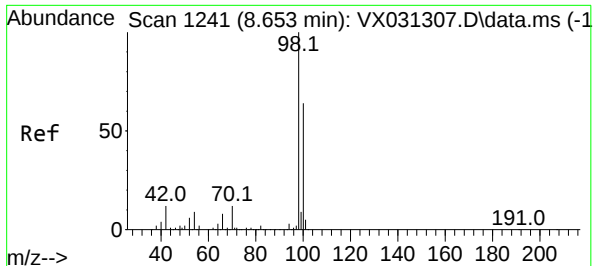
Tgt Ion:117 Resp: 9260
Ion Ratio Lower Upper
117 100
119 4.6 74.6 112.0#
121 0.0 25.3 37.9#



#47
Bromodichloromethane
Concen: 0.430 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

Tgt Ion: 83 Resp: 1110
Ion Ratio Lower Upper
83 100
85 70.3 51.0 76.6
127 10.1 7.0 10.6





#50

Toluene-d8

Concen: 47.621 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX031396.D

Acq: 16 Sep 2022 08:55

Instrument :

MSVOA_X

ClientSampleId :

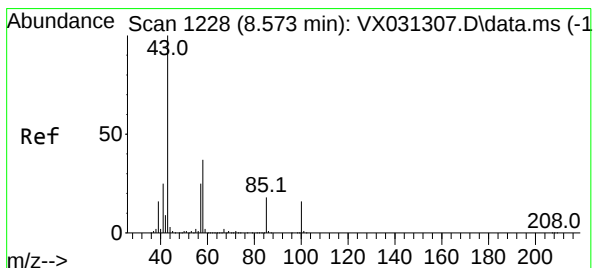
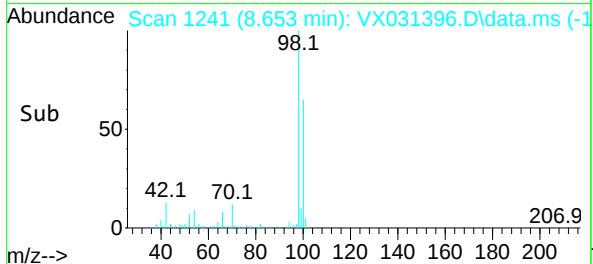
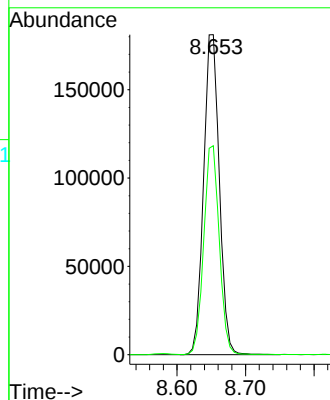
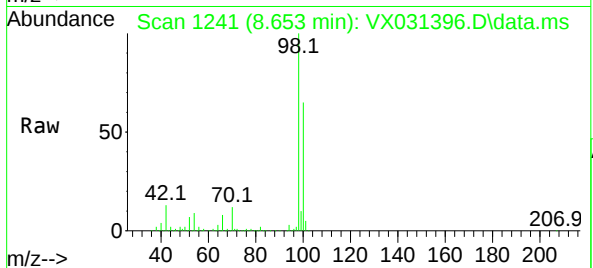
MW1

Tgt Ion: 98 Resp: 290238

Ion Ratio Lower Upper

98 100

100 64.3 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 1.993 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX031396.D

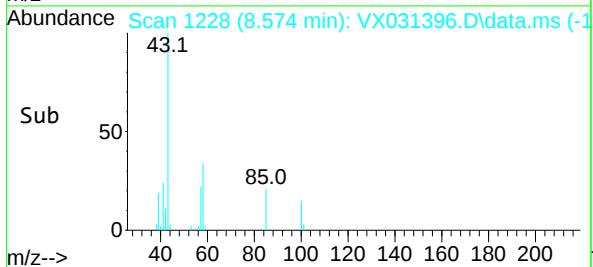
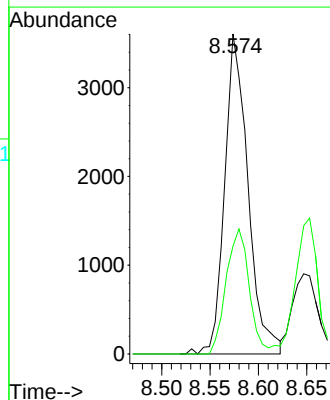
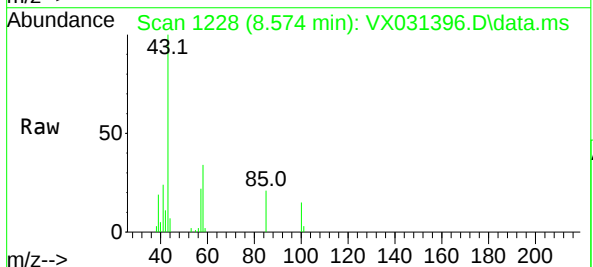
Acq: 16 Sep 2022 08:55

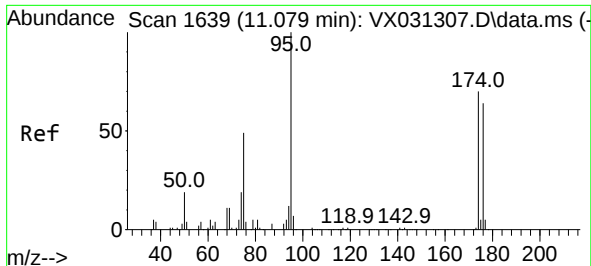
Tgt Ion: 43 Resp: 6044

Ion Ratio Lower Upper

43 100

58 38.5 30.6 46.0

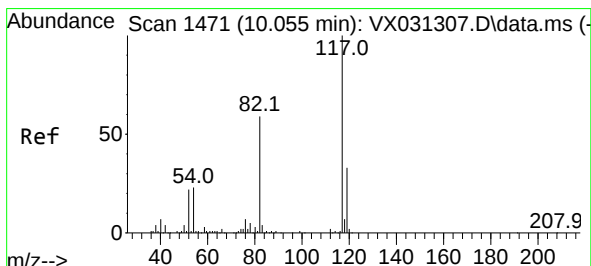
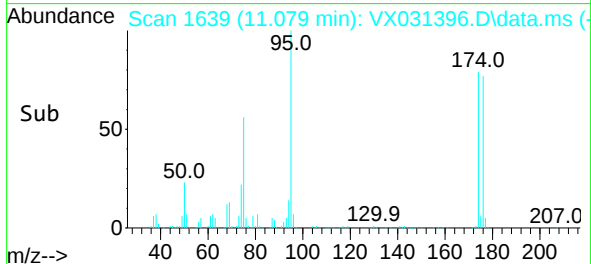
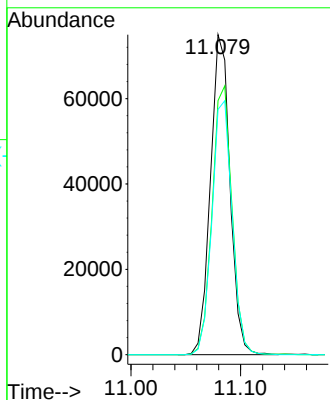
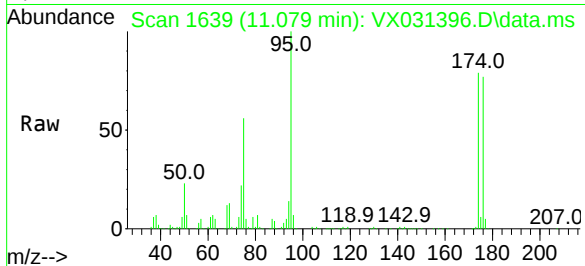




#62
4-Bromofluorobenzene
Concen: 41.595 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

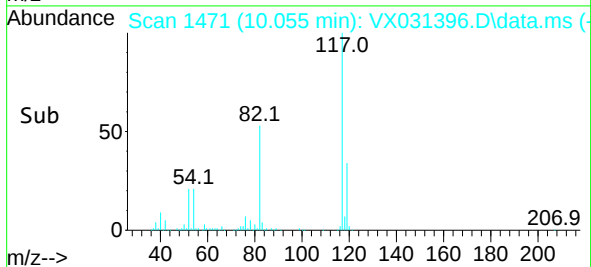
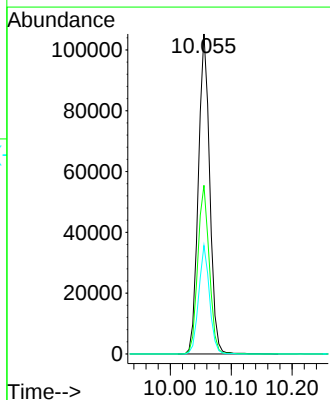
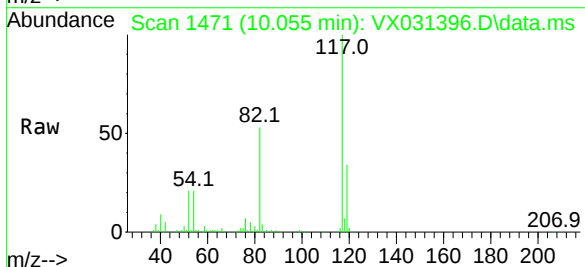
Instrument :
MSVOA_X
ClientSampleId :
MW1

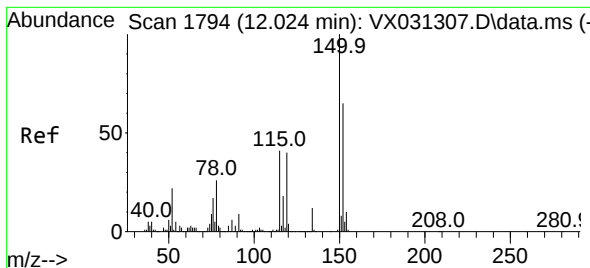
Tgt Ion: 95 Resp: 92835
Ion Ratio Lower Upper
95 100
174 85.7 0.0 153.2
176 82.2 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031396.D
Acq: 16 Sep 2022 08:55

Tgt Ion: 117 Resp: 136486
Ion Ratio Lower Upper
117 100
82 52.7 46.8 70.2
119 33.9 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031396.D

Acq: 16 Sep 2022 08:55

Instrument :

MSVOA_X

ClientSampleId :

MW1

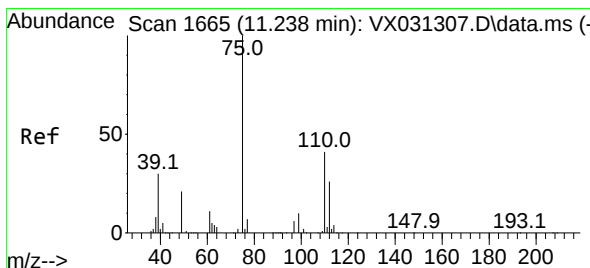
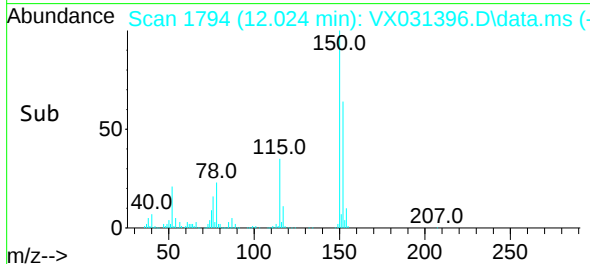
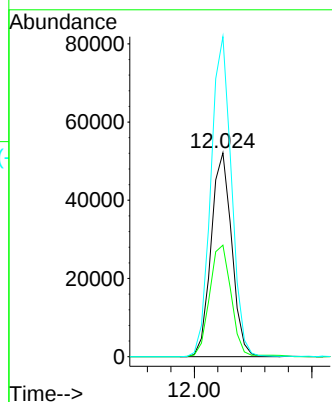
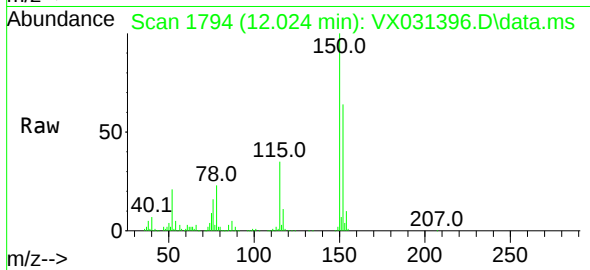
Tgt Ion:152 Resp: 63645

Ion Ratio Lower Upper

152 100

115 57.6 43.4 130.1

150 156.4 0.0 346.8



#76

1,2,3-Trichloropropane

Concen: 33.267 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX031396.D

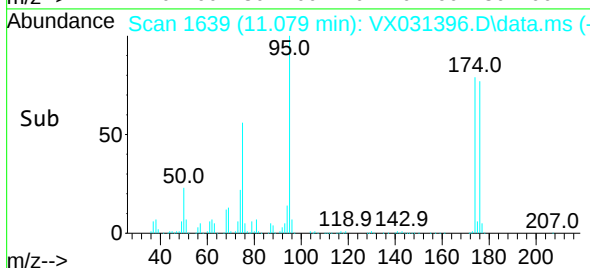
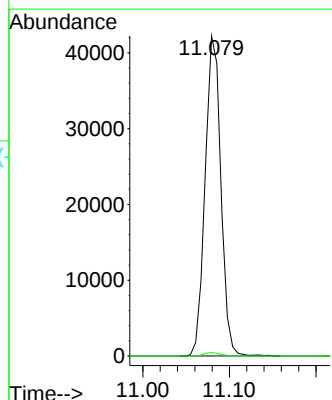
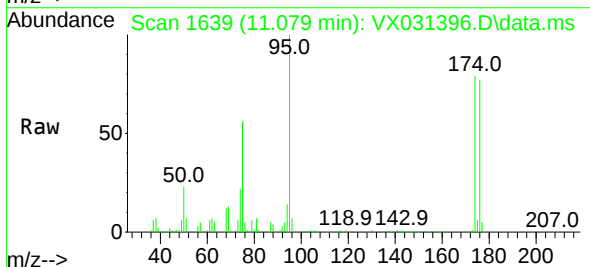
Acq: 16 Sep 2022 08:55

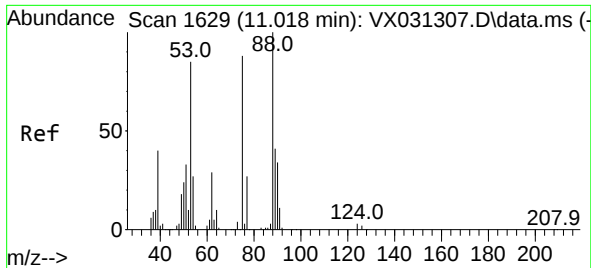
Tgt Ion: 75 Resp: 53355

Ion Ratio Lower Upper

75 100

77 1.1 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.049 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031396.D
 Acq: 16 Sep 2022 08:55

Instrument :
 MSVOA_X
 ClientSampleId :
 MW1

Tgt Ion: 75 Resp: 53355
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.1 37.4 56.0#

