

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031096.D
 Acq On : 03 Sep 2022 20:34
 Operator : JC/MD
 Sample : N4357-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20220823

Quant Time: Sep 06 00:17:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

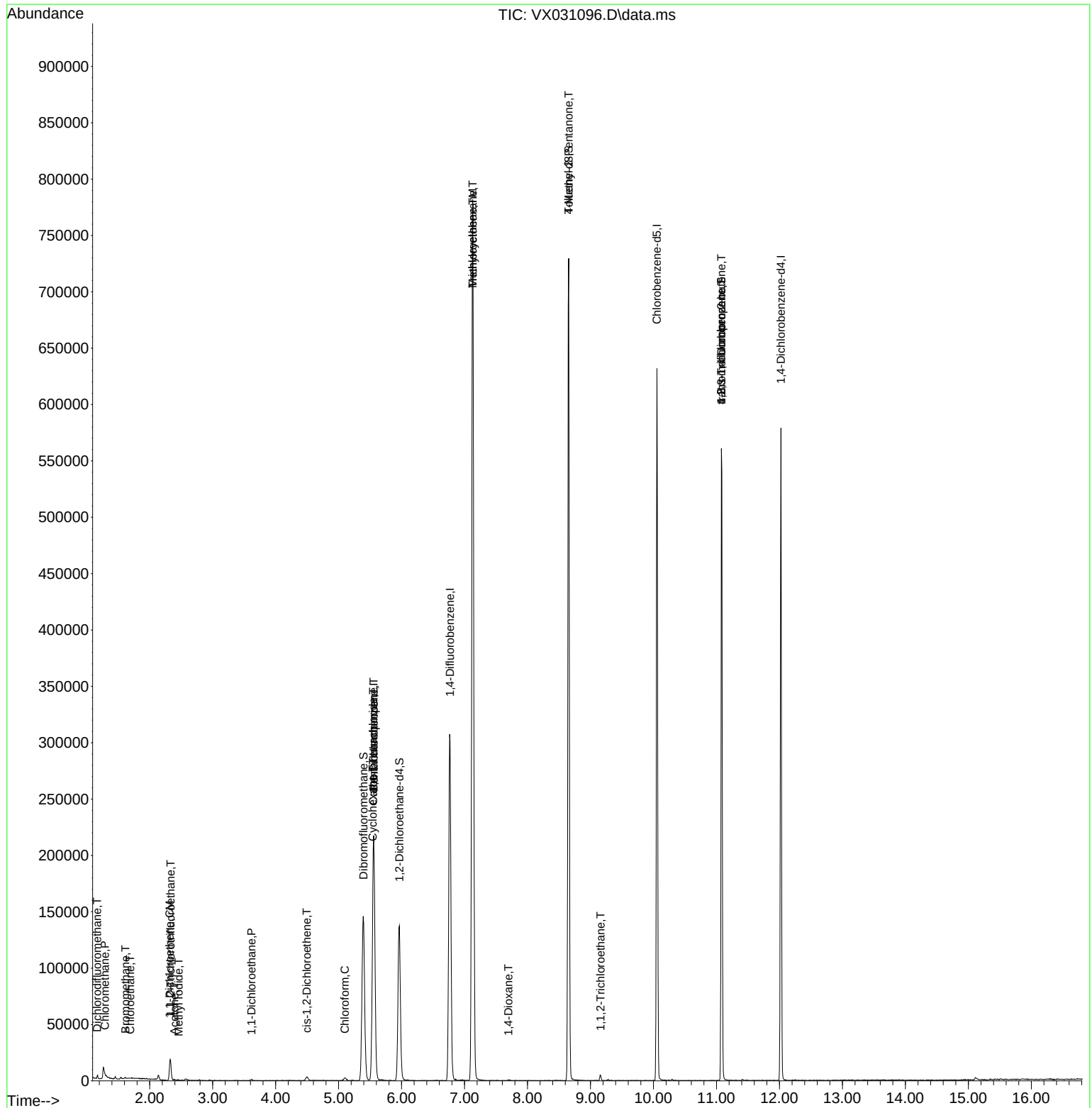
Internal Standards						
1) Pentafluorobenzene	5.556	168	218407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	346715	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	302706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	128398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	136831	48.690	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.380%
35) Dibromofluoromethane	5.397	113	132522	52.376	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.760%
50) Toluene-d8	8.653	98	461728	49.584	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.160%
62) 4-Bromofluorobenzene	11.079	95	161000	48.951	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.900%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1469	0.654	ug/l	99
3) Chloromethane	1.288	50	291	0.834	ug/l #	42
5) Bromomethane	1.618	94	222	0.212	ug/l #	76
6) Chloroethane	1.691	64	897	2.242	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	5021	1.911	ug/l	89
10) Methyl Iodide	2.459	142	510	3.098	ug/l #	88
11) Tert butyl alcohol	2.989	59	66	Below Cal	#	74
12) 1,1-Dichloroethene	2.319	96	3276	1.291	ug/l #	81
16) Acetone	2.392	43	1213	1.118	ug/l #	63
20) Methylene Chloride	2.788	84	322	Below Cal	#	33
24) 1,1-Dichloroethane	3.617	63	1418	0.310	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	2550	0.806	ug/l	74
30) Chloroform	5.099	83	3139	0.626	ug/l	90
31) Cyclohexane	5.544	56	3409	0.888	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	13860	3.911	ug/l #	50
38) Carbon Tetrachloride	5.550	117	20658	5.615	ug/l #	17
39) Methylcyclohexane	7.129	83	3532	0.804	ug/l #	1
44) Trichloroethene	7.129	130	324175	100.656	ug/l	96
49) 1,4-Dioxane	7.696	88	650	8.796	ug/l #	53
51) 4-Methyl-2-Pentanone	8.653	43	1892	0.612	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1682	0.600	ug/l #	88
76) 1,2,3-Trichloropropane	11.079	75	69882	23.024	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	69882	72.357	ug/l #	13

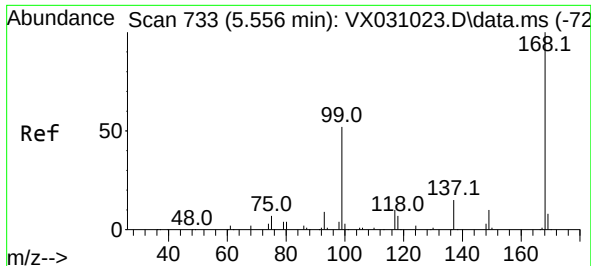
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\  
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ALS Vial  : 17   Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20220823

Quant Time: Sep 06 00:17:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 02 02:49:21 2022
Response via : Initial Calibration

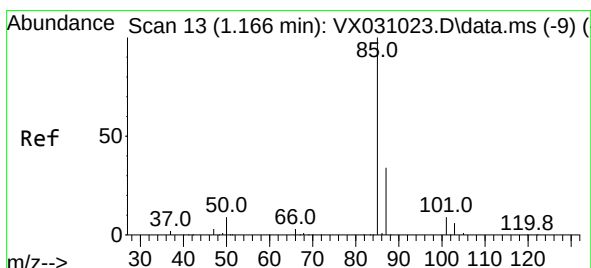
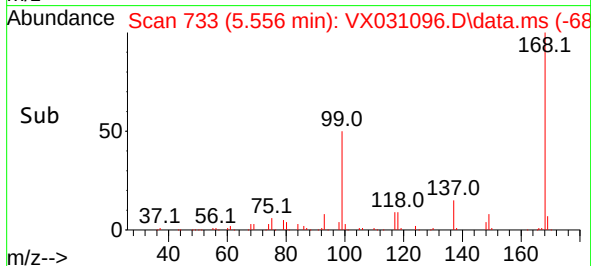
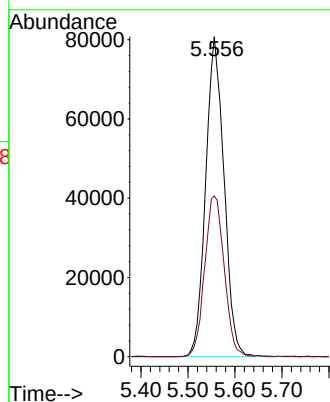
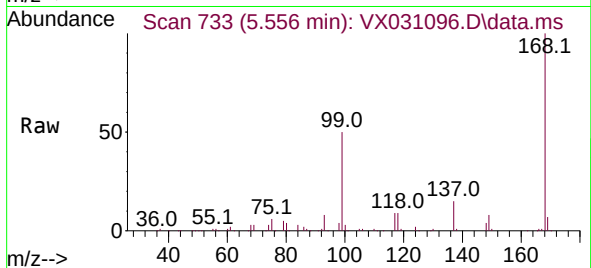




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

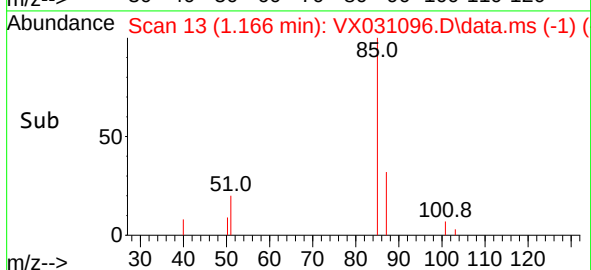
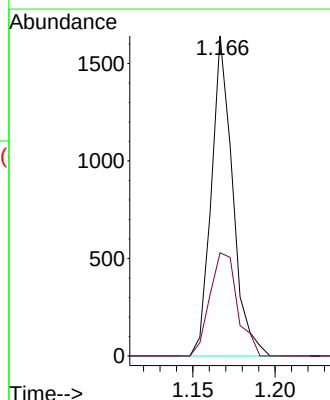
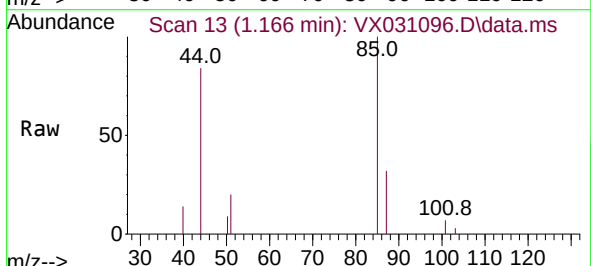
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20220823

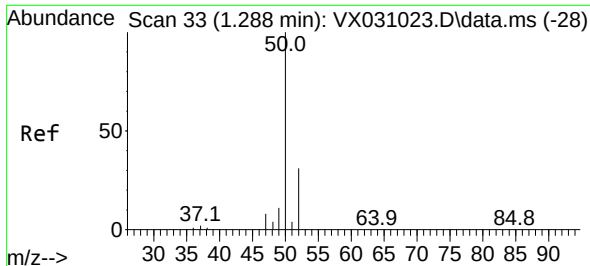
Tgt Ion:168 Resp: 218407
Ion Ratio Lower Upper
168 100
99 50.2 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 0.654 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

Tgt Ion: 85 Resp: 1469
Ion Ratio Lower Upper
85 100
87 32.2 16.5 49.5

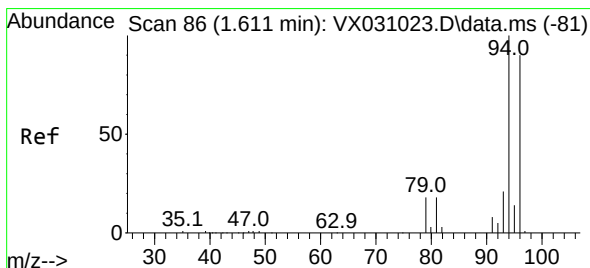
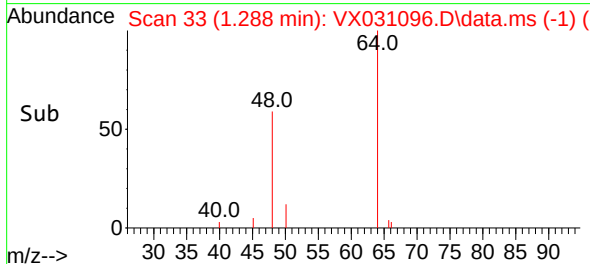
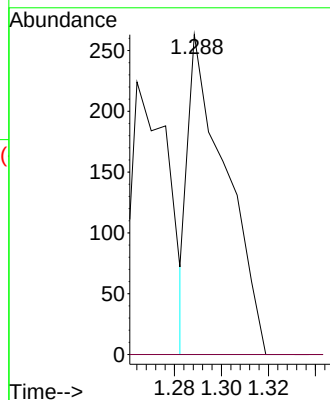
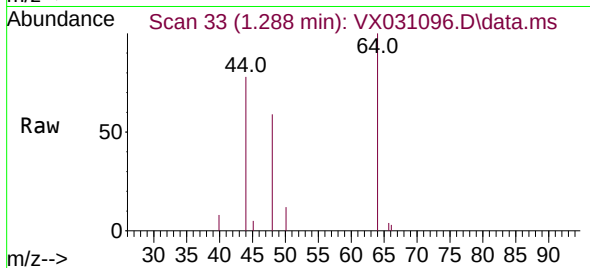




#3
Chloromethane
Concen: 0.834 ug/l
RT: 1.288 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

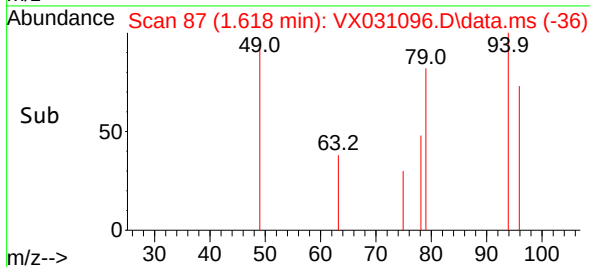
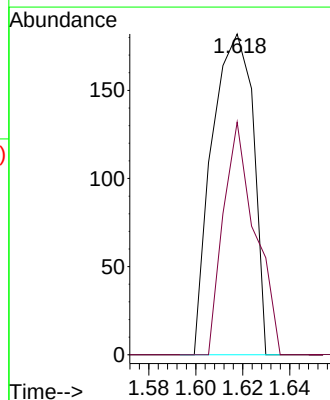
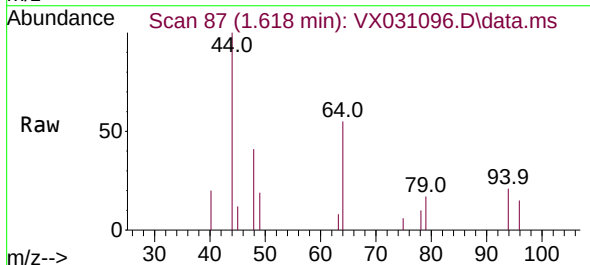
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20220823

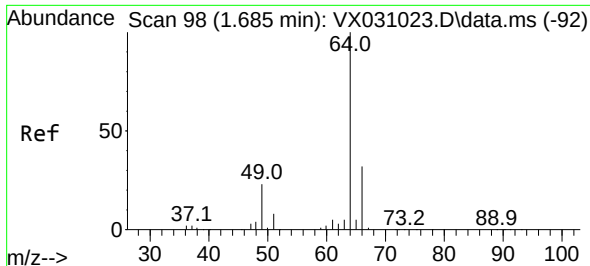
Tgt Ion: 50 Resp: 291
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



#5
Bromomethane
Concen: 0.212 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.013 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

Tgt Ion: 94 Resp: 222
Ion Ratio Lower Upper
94 100
96 72.5 76.9 115.3#

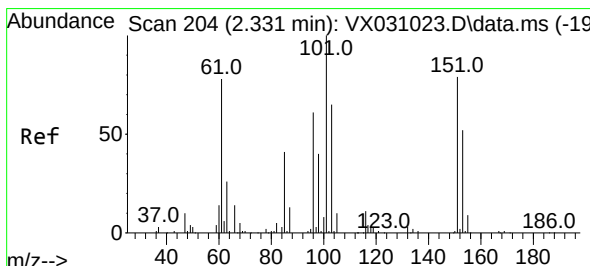
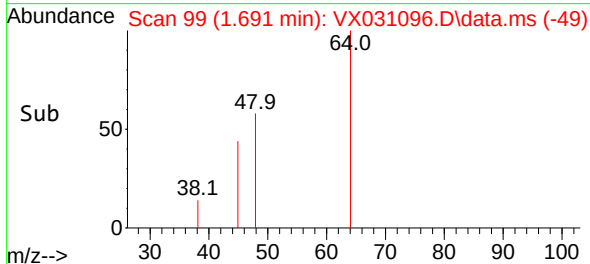
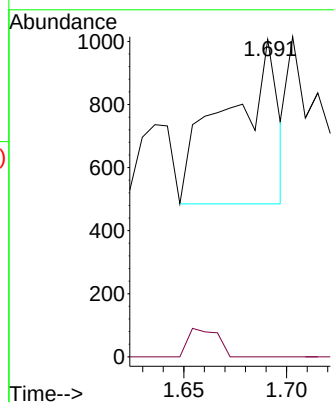
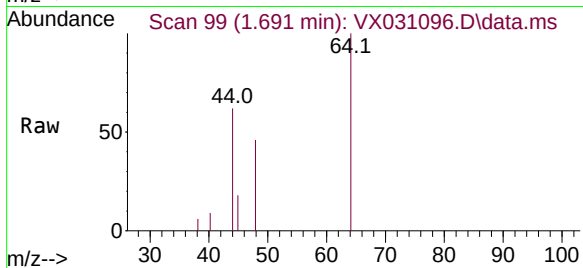




#6
Chloroethane
Concen: 2.242 ug/l
RT: 1.691 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

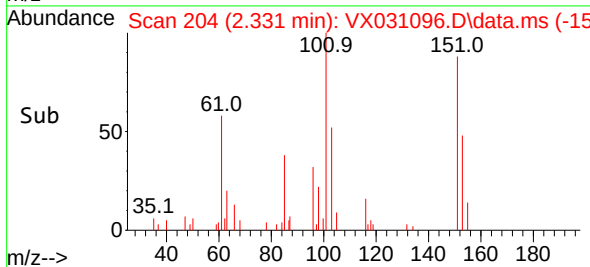
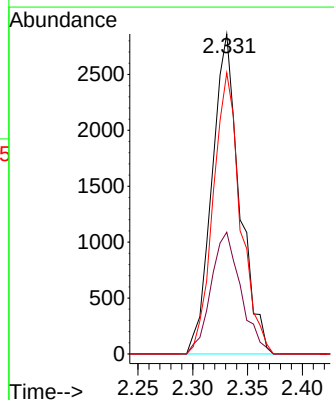
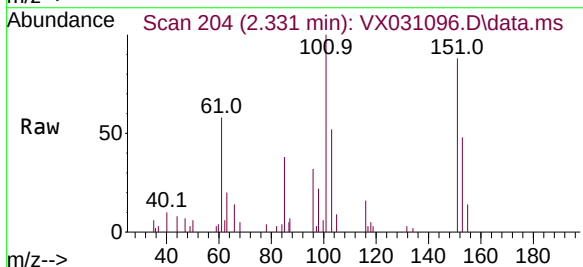
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20220823

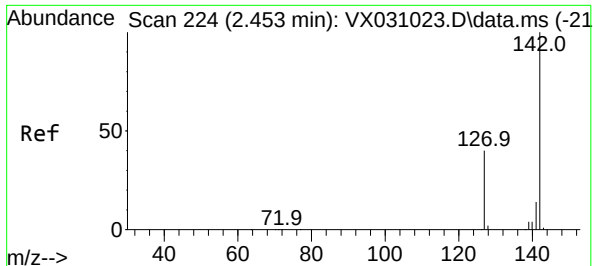
Tgt Ion: 64 Resp: 897
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.911 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

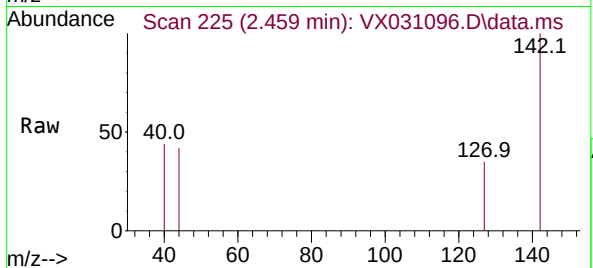
Tgt Ion: 101 Resp: 5021
Ion Ratio Lower Upper
101 100
85 41.0 34.0 51.0
151 87.1 59.4 89.0



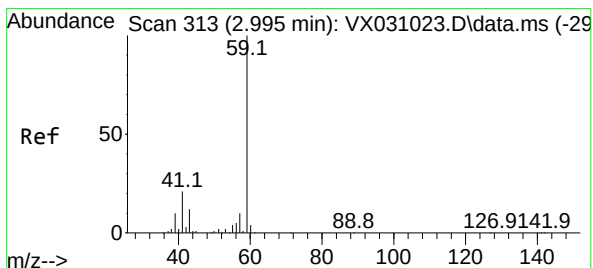
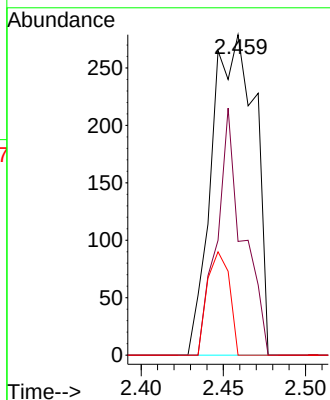
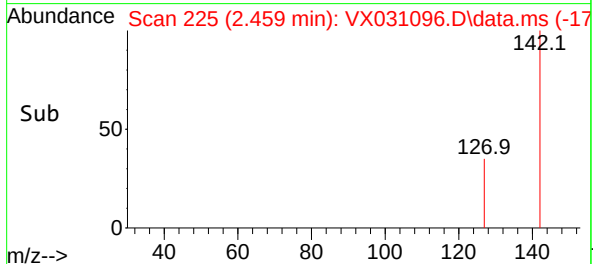


#10
Methyl Iodide
Concen: 3.098 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20220823

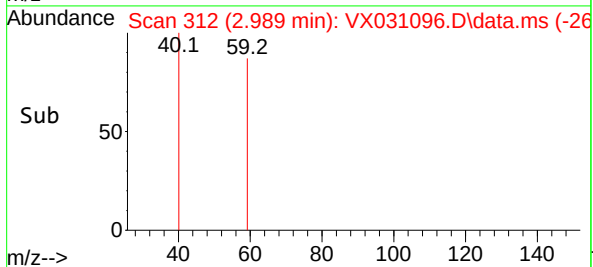
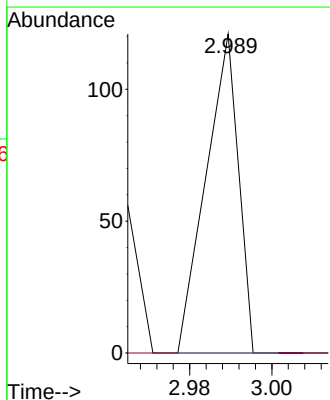
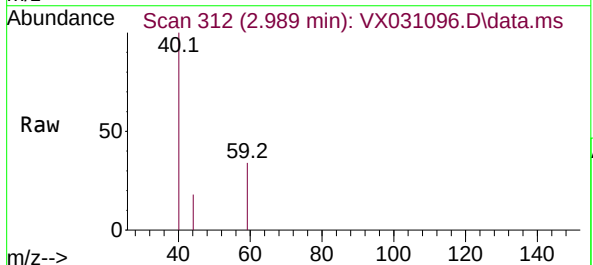


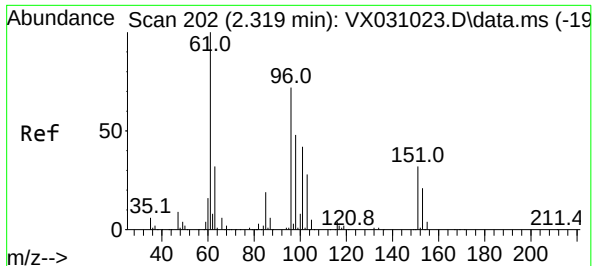
Tgt Ion:142 Resp: 510
Ion Ratio Lower Upper
142 100
127 46.3 30.2 45.2#
141 16.5 11.3 16.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.989 min Scan# 312
Delta R.T. 0.000 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#12

1,1-Dichloroethene

Concen: 1.291 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX031096.D

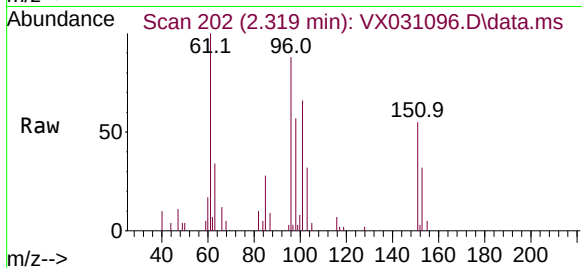
Acq: 03 Sep 2022 20:34

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20220823



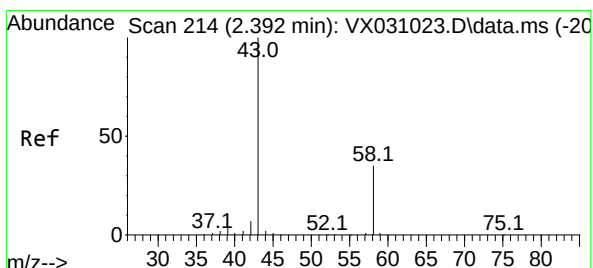
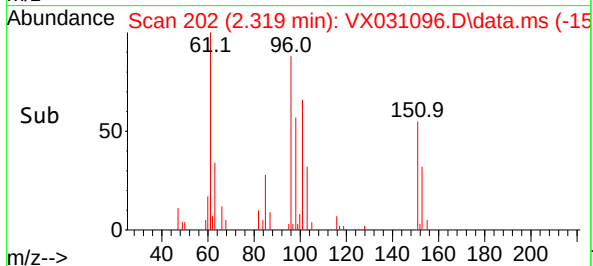
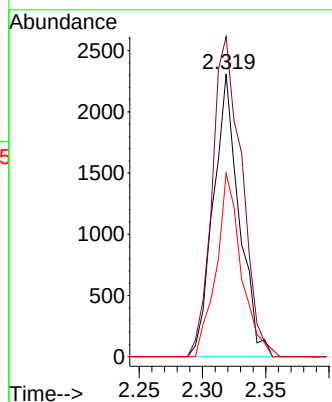
Tgt Ion: 96 Resp: 3276

Ion Ratio Lower Upper

96 100

61 113.3 117.4 176.0#

98 64.9 52.2 78.4



#16

Acetone

Concen: 1.118 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX031096.D

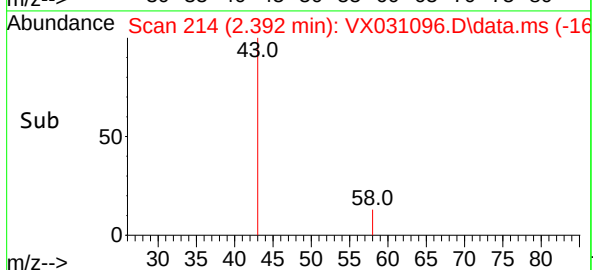
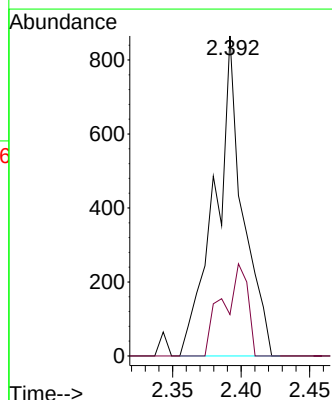
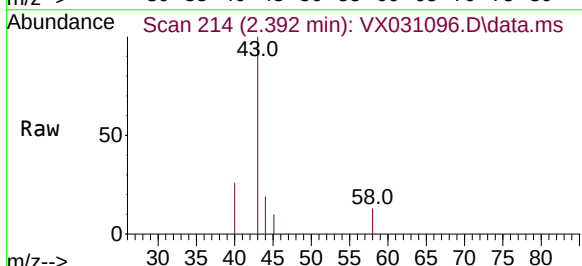
Acq: 03 Sep 2022 20:34

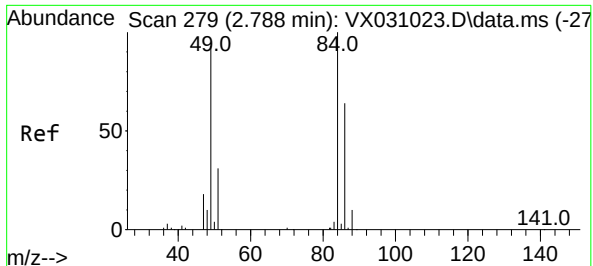
Tgt Ion: 43 Resp: 1213

Ion Ratio Lower Upper

43 100

58 12.9 27.7 41.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX031096.D

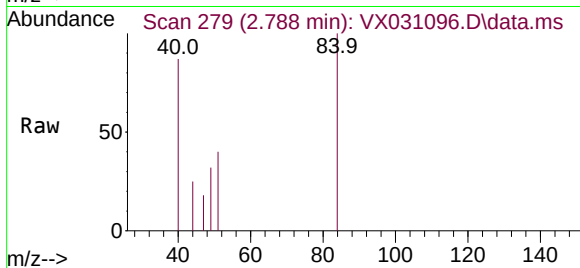
Acq: 03 Sep 2022 20:34

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20220823



Tgt Ion: 84 Resp: 322

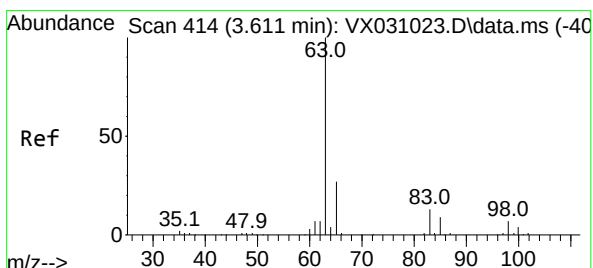
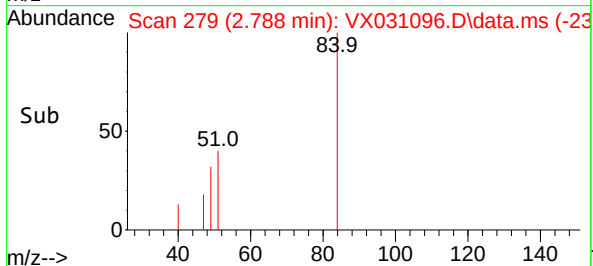
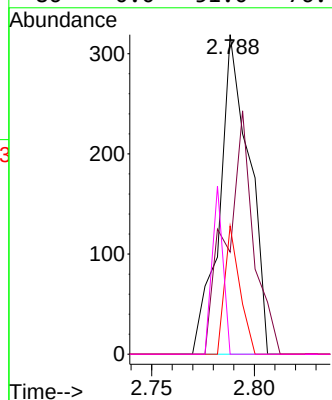
Ion Ratio Lower Upper

84 100

49 32.0 93.8 140.6#

51 40.1 29.4 44.0

86 0.0 51.0 76.4#



#24

1,1-Dichloroethane

Concen: 0.310 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.006 min

Lab File: VX031096.D

Acq: 03 Sep 2022 20:34

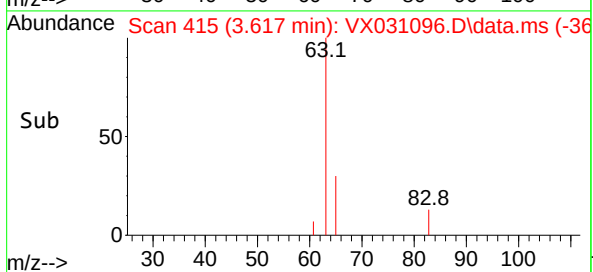
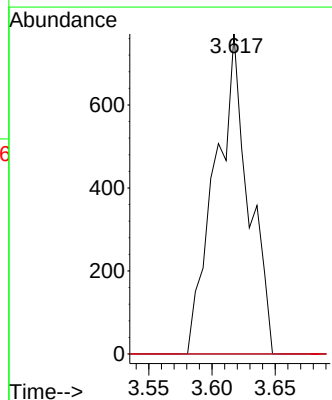
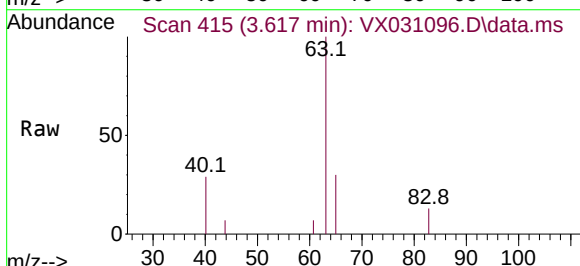
Tgt Ion: 63 Resp: 1418

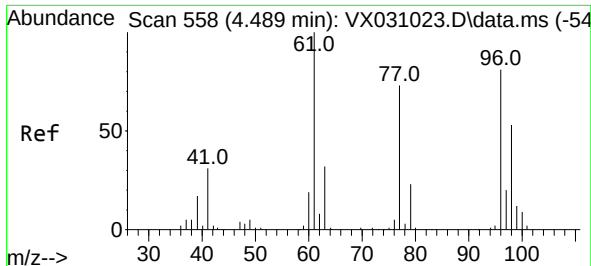
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

100 0.0 2.3 6.9#





#27

cis-1,2-Dichloroethene

Concen: 0.806 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX031096.D

Acq: 03 Sep 2022 20:34

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20220823

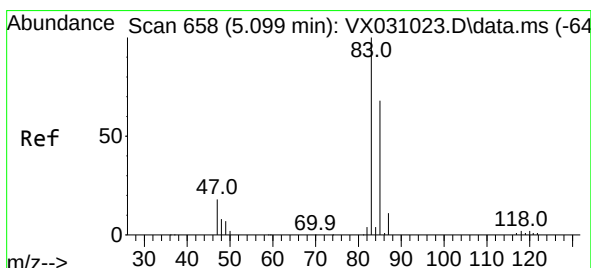
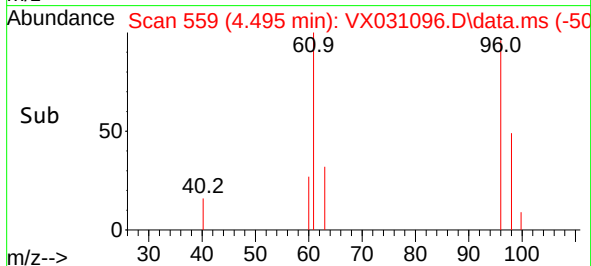
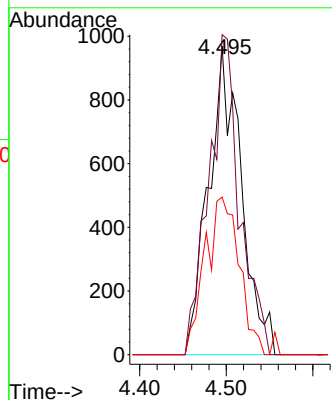
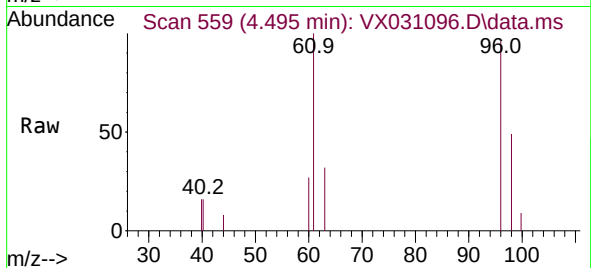
Tgt Ion: 96 Resp: 2550

Ion Ratio Lower Upper

96 100

61 97.6 0.0 270.0

98 53.4 0.0 127.8



#30

Chloroform

Concen: 0.626 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.000 min

Lab File: VX031096.D

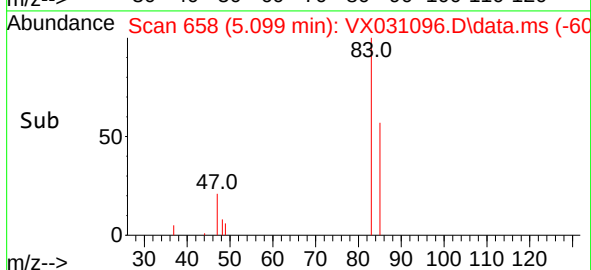
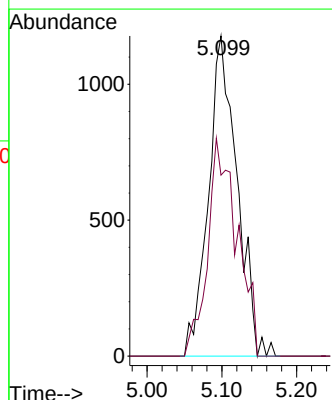
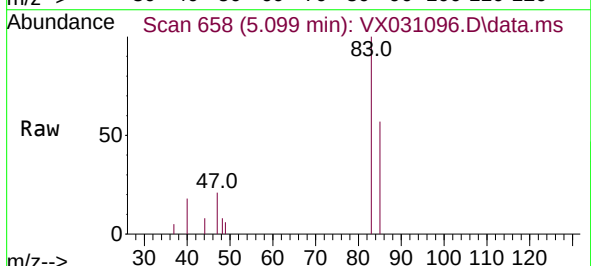
Acq: 03 Sep 2022 20:34

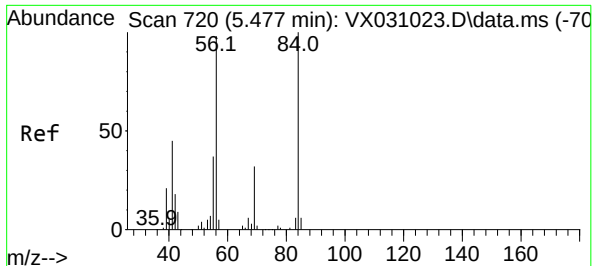
Tgt Ion: 83 Resp: 3139

Ion Ratio Lower Upper

83 100

85 56.5 51.5 77.3

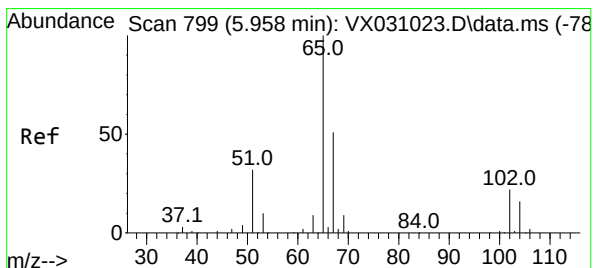
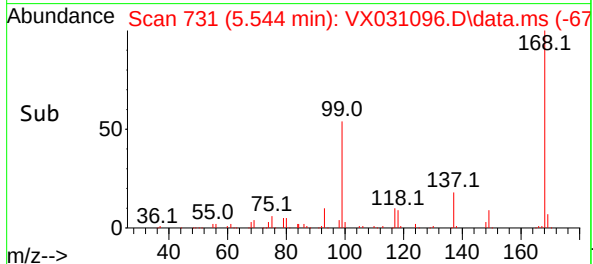
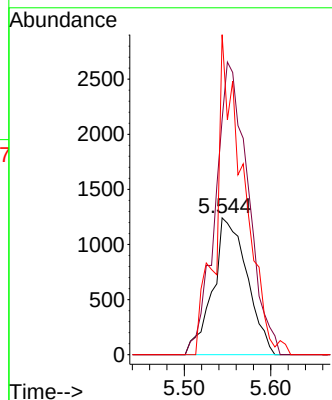
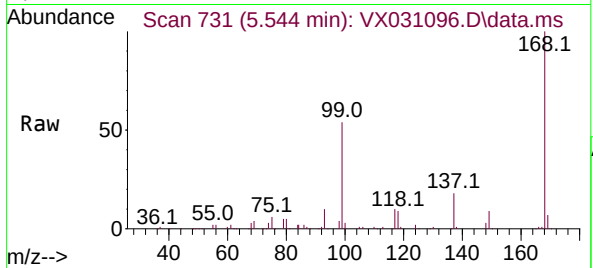




#31
Cyclohexane
Concen: 0.888 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.067 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

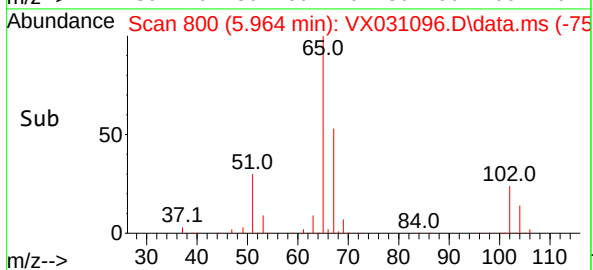
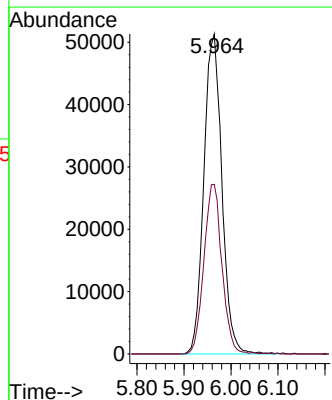
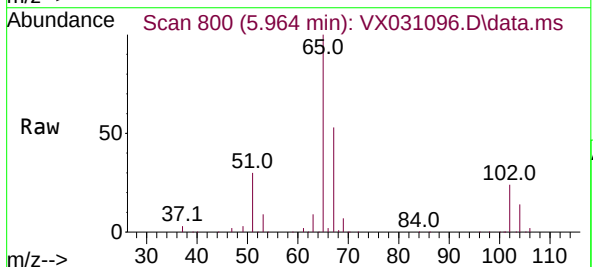
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20220823

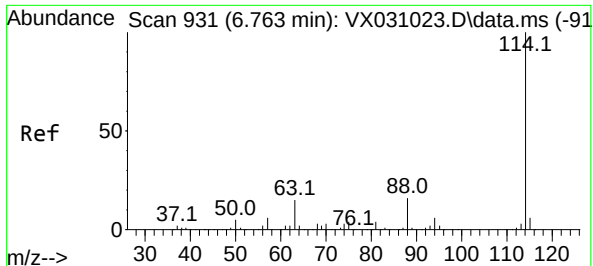
Tgt Ion: 56 Resp: 3409
Ion Ratio Lower Upper
56 100
69 171.8 25.4 38.0#
84 233.8 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 48.690 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

Tgt Ion: 65 Resp: 136831
Ion Ratio Lower Upper
65 100
67 52.9 0.0 109.6

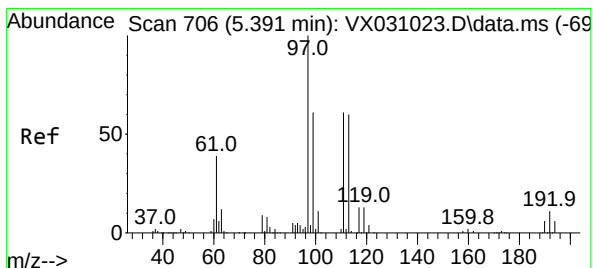
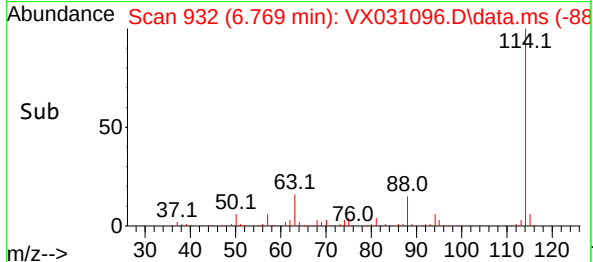
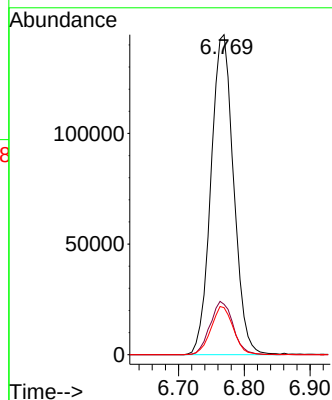
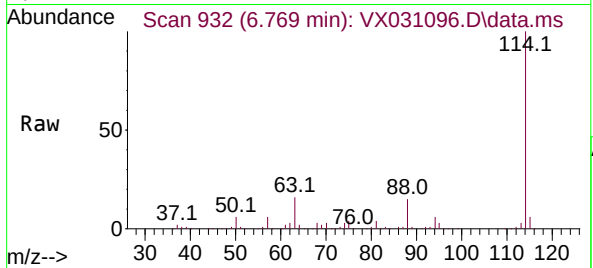




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

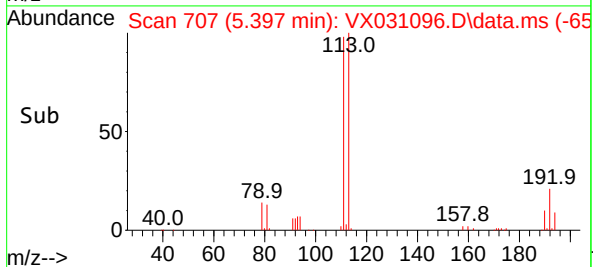
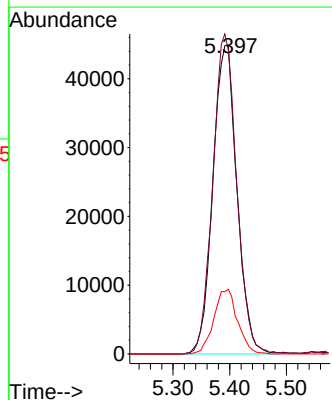
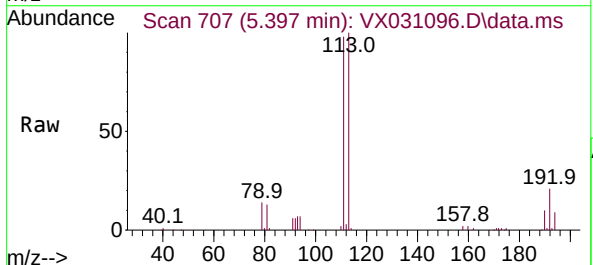
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20220823

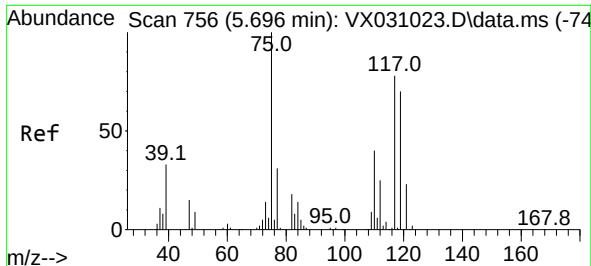
Tgt Ion:114 Resp: 346715
Ion Ratio Lower Upper
114 100
63 15.8 0.0 38.4
88 14.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.376 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

Tgt Ion:113 Resp: 132522
Ion Ratio Lower Upper
113 100
111 102.2 83.2 124.8
192 20.5 14.8 22.2

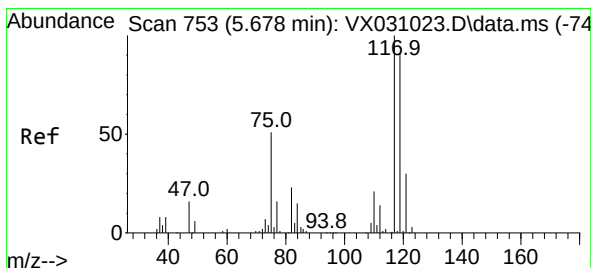
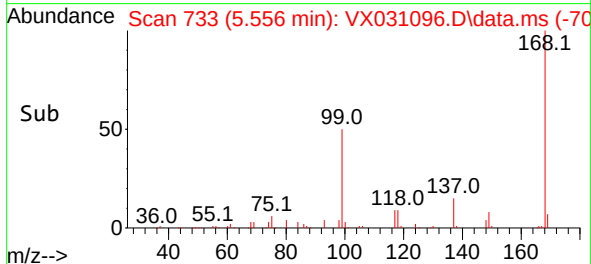
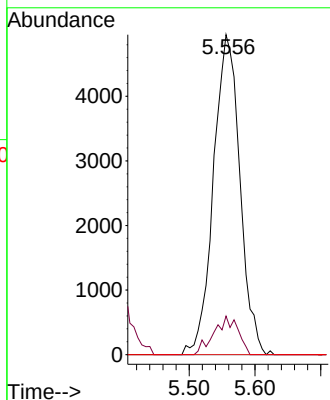
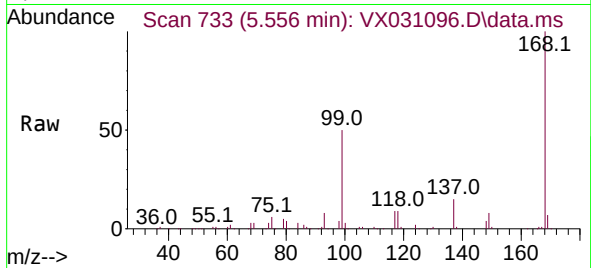




#36
1,1-Dichloropropene
Concen: 3.911 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

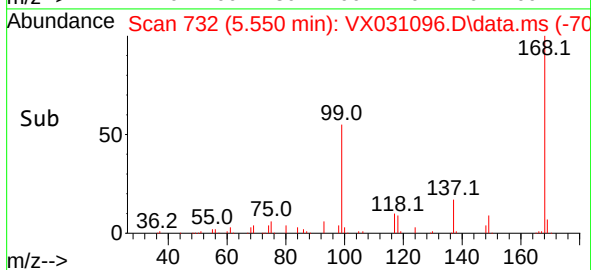
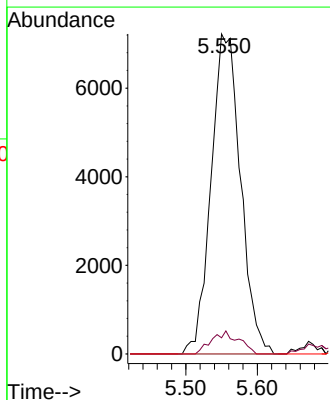
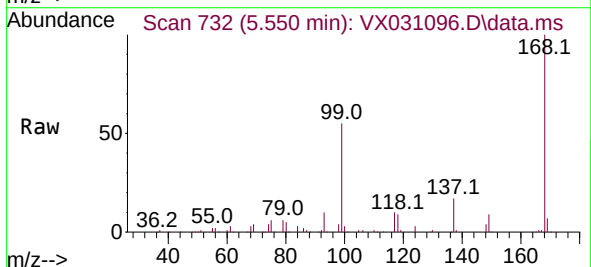
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20220823

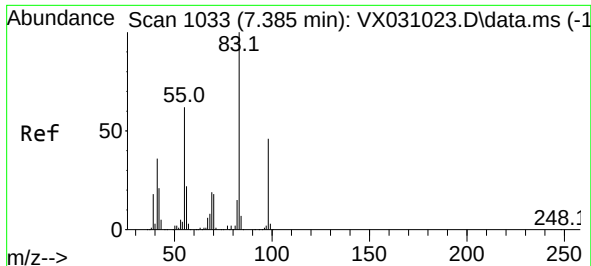
Tgt Ion: 75 Resp: 13860
Ion Ratio Lower Upper
75 100
110 10.9 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.615 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

Tgt Ion: 117 Resp: 20658
Ion Ratio Lower Upper
117 100
119 5.0 74.1 111.1#
121 0.0 25.8 38.8#

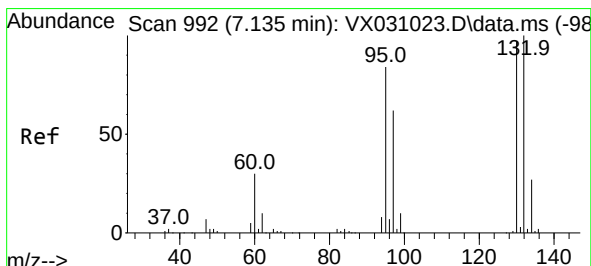
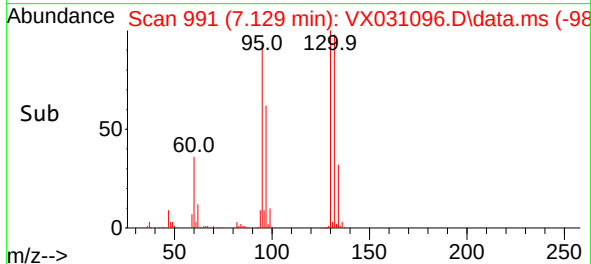
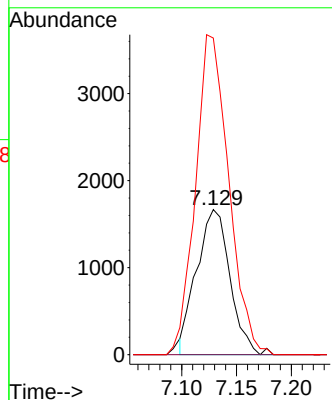
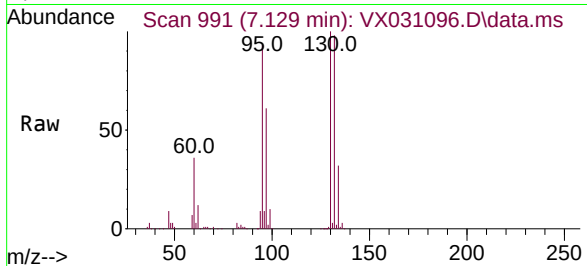




#39
Methylcyclohexane
Concen: 0.804 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

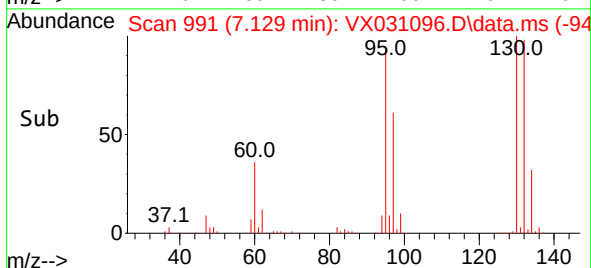
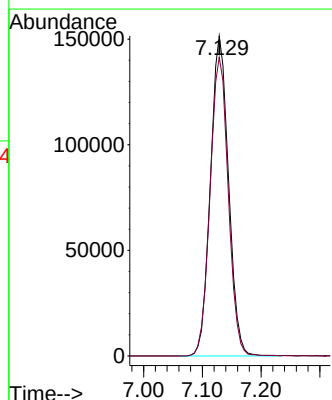
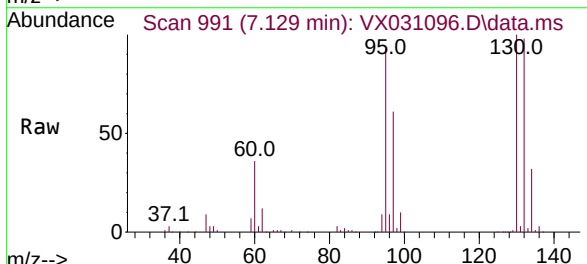
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20220823

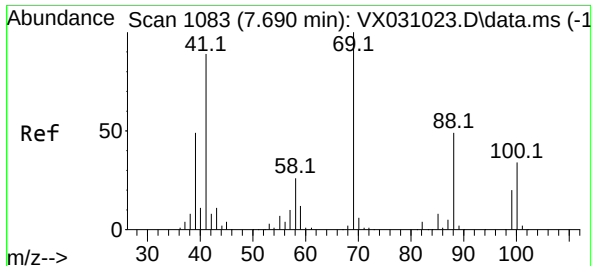
Tgt Ion: 83 Resp: 3532
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 218.2 36.5 54.7#



#44
Trichloroethene
Concen: 100.656 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

Tgt Ion:130 Resp: 324175
Ion Ratio Lower Upper
130 100
95 93.4 0.0 194.8





#49

1,4-Dioxane

Concen: 8.796 ug/l

RT: 7.696 min Scan# 1083

Delta R.T. 0.019 min

Lab File: VX031096.D

Acq: 03 Sep 2022 20:34

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20220823

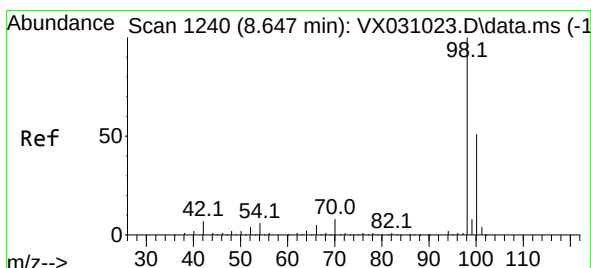
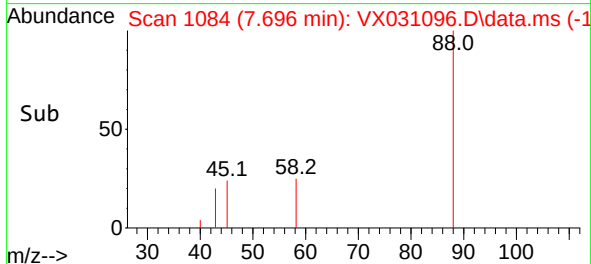
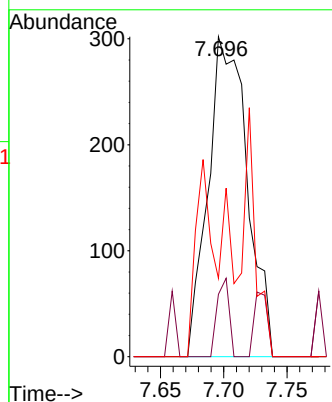
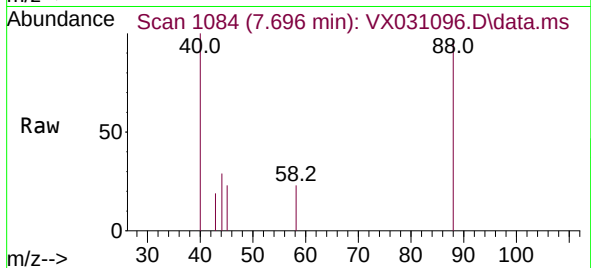
Tgt Ion: 88 Resp: 650

Ion Ratio Lower Upper

88 100

43 7.5 23.8 35.8#

58 27.4 53.8 80.6#



#50

Toluene-d8

Concen: 49.584 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX031096.D

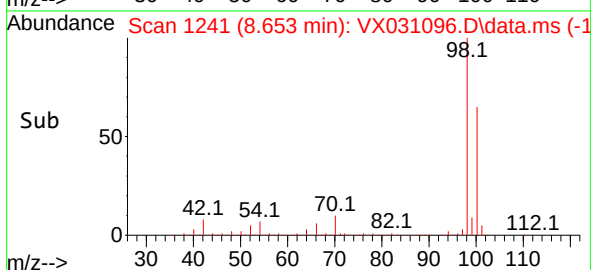
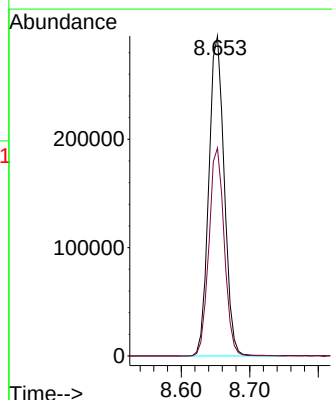
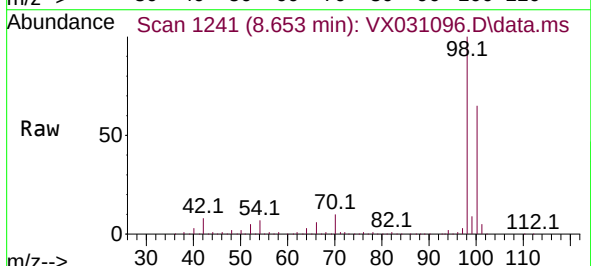
Acq: 03 Sep 2022 20:34

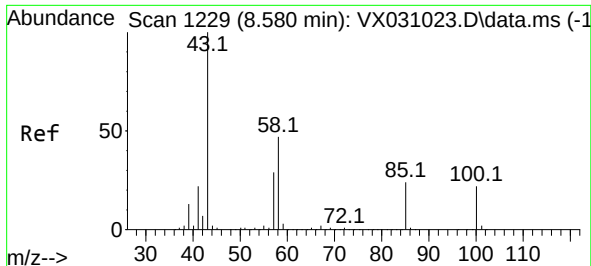
Tgt Ion: 98 Resp: 461728

Ion Ratio Lower Upper

98 100

100 64.6 52.3 78.5

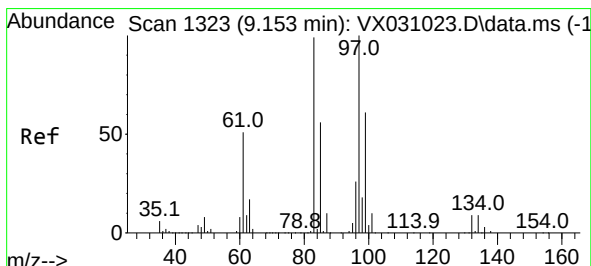
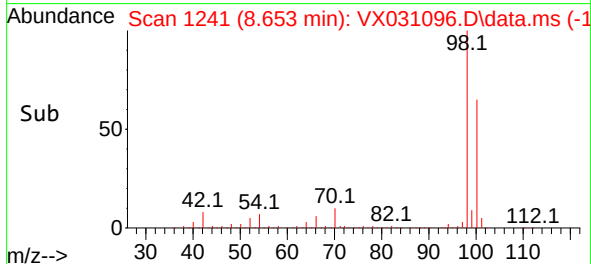
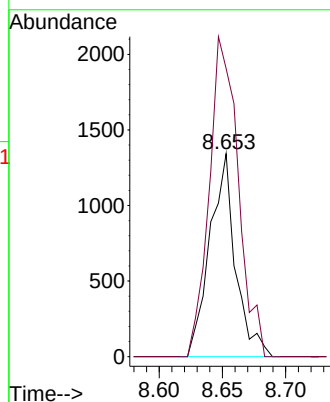
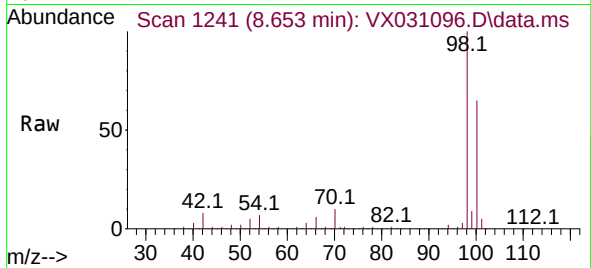




#51
4-Methyl-2-Pentanone
Concen: 0.612 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

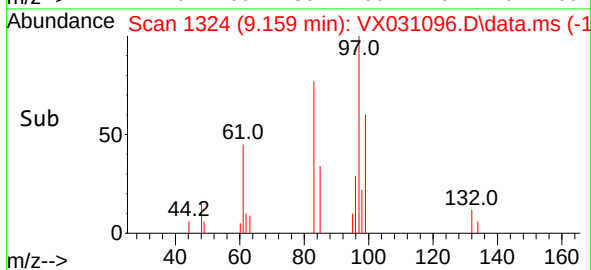
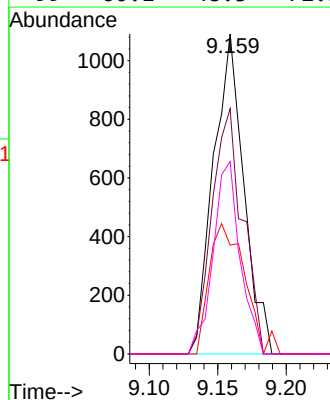
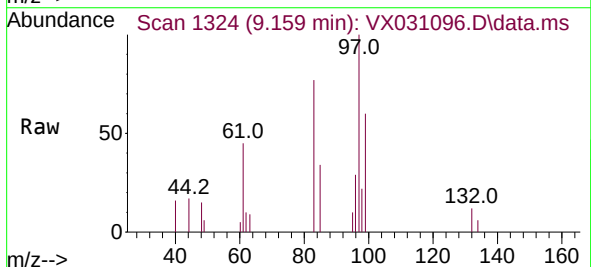
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20220823

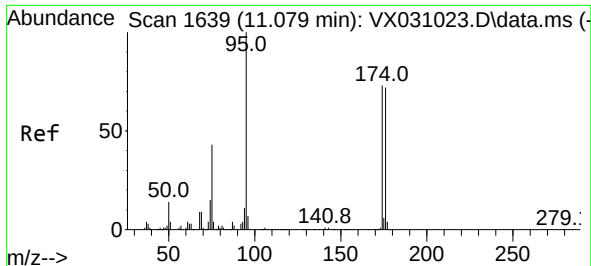
Tgt Ion: 43 Resp: 1892
Ion Ratio Lower Upper
43 100
58 178.3 31.4 47.2#



#55
1,1,2-Trichloroethane
Concen: 0.600 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

Tgt Ion: 97 Resp: 1682
Ion Ratio Lower Upper
97 100
83 76.6 68.9 103.3
85 34.0 44.0 66.0#
99 60.1 48.3 72.5

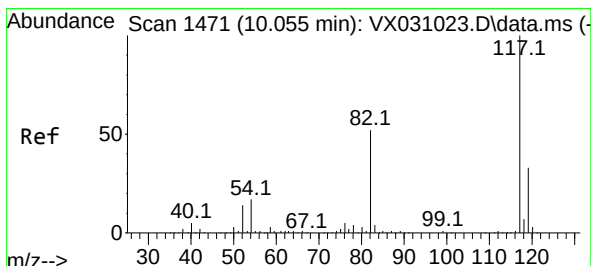
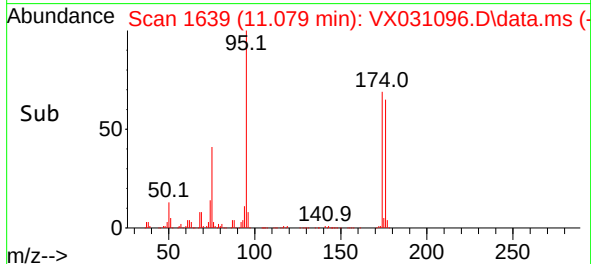
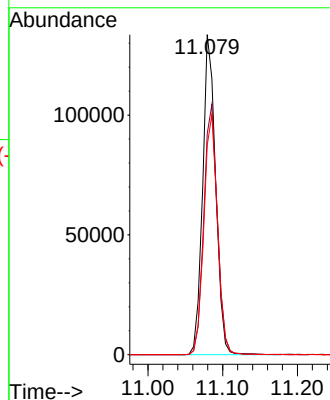
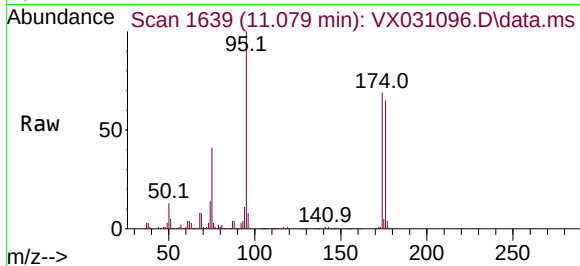




#62
4-Bromofluorobenzene
Concen: 48.951 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

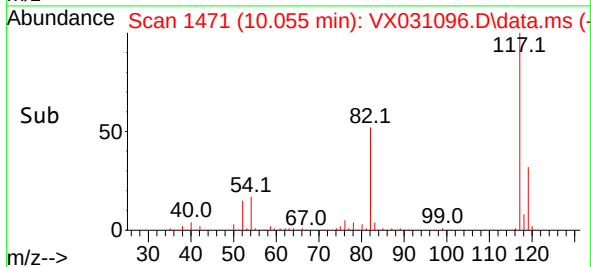
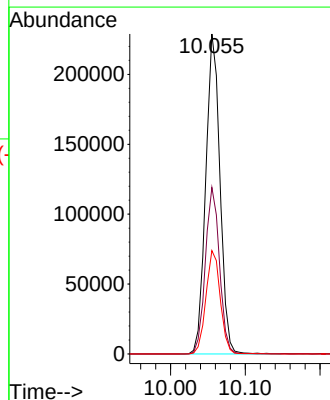
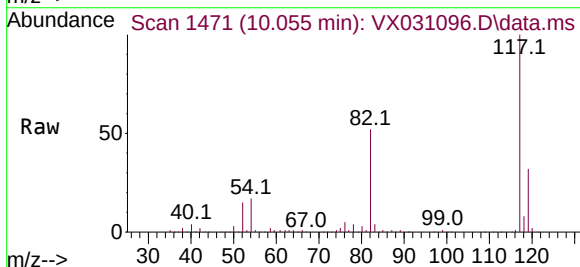
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20220823

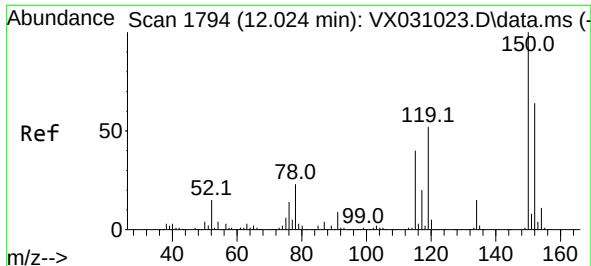
Tgt Ion: 95 Resp: 161000
Ion Ratio Lower Upper
95 100
174 81.9 0.0 149.0
176 79.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031096.D
Acq: 03 Sep 2022 20:34

Tgt Ion: 117 Resp: 302706
Ion Ratio Lower Upper
117 100
82 52.0 42.7 64.1
119 32.3 25.4 38.2

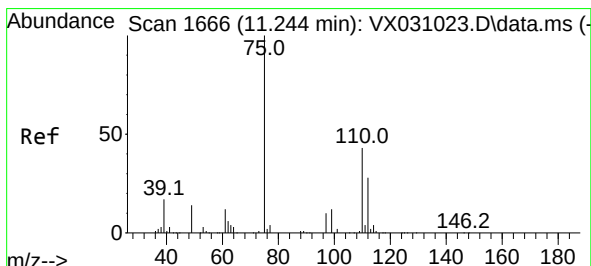
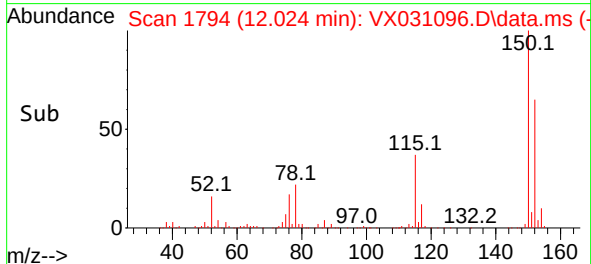
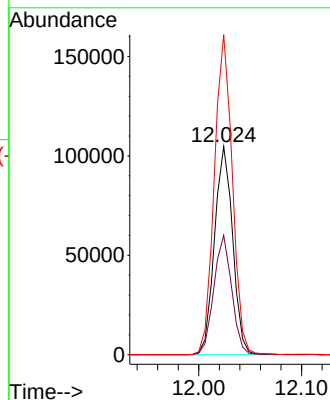
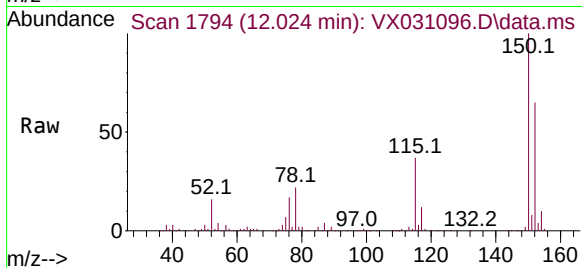




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031096.D
 Acq: 03 Sep 2022 20:34

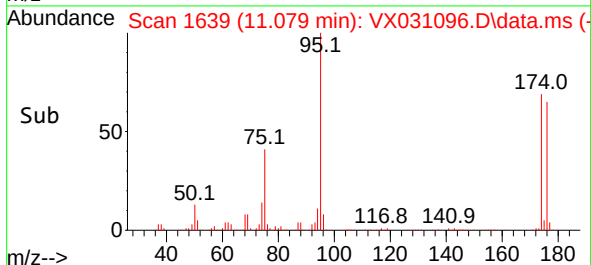
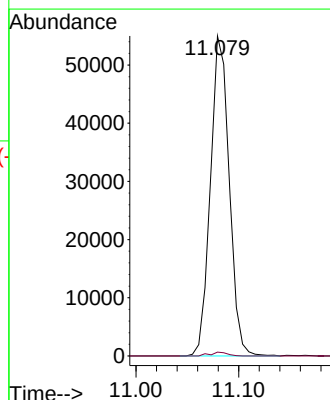
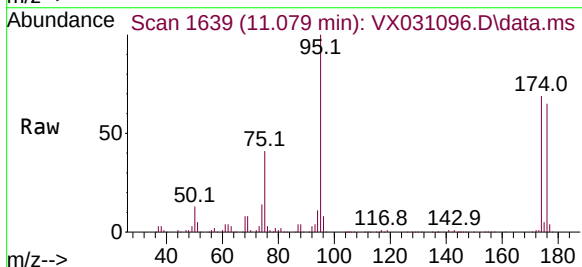
Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20220823

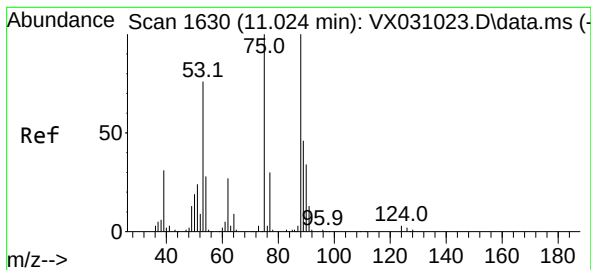
Tgt Ion:152 Resp: 128398
 Ion Ratio Lower Upper
 152 100
 115 56.5 40.5 121.5
 150 152.5 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 23.024 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX031096.D
 Acq: 03 Sep 2022 20:34

Tgt Ion: 75 Resp: 69882
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.357 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.055 min
 Lab File: VX031096.D
 Acq: 03 Sep 2022 20:34

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20220823

Tgt Ion: 75 Resp: 69882
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.2 34.8 52.2#

