

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031097.D
 Acq On : 03 Sep 2022 20:57
 Operator : JC/MD
 Sample : N4357-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D-20220823

Quant Time: Sep 06 00:17:27 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)

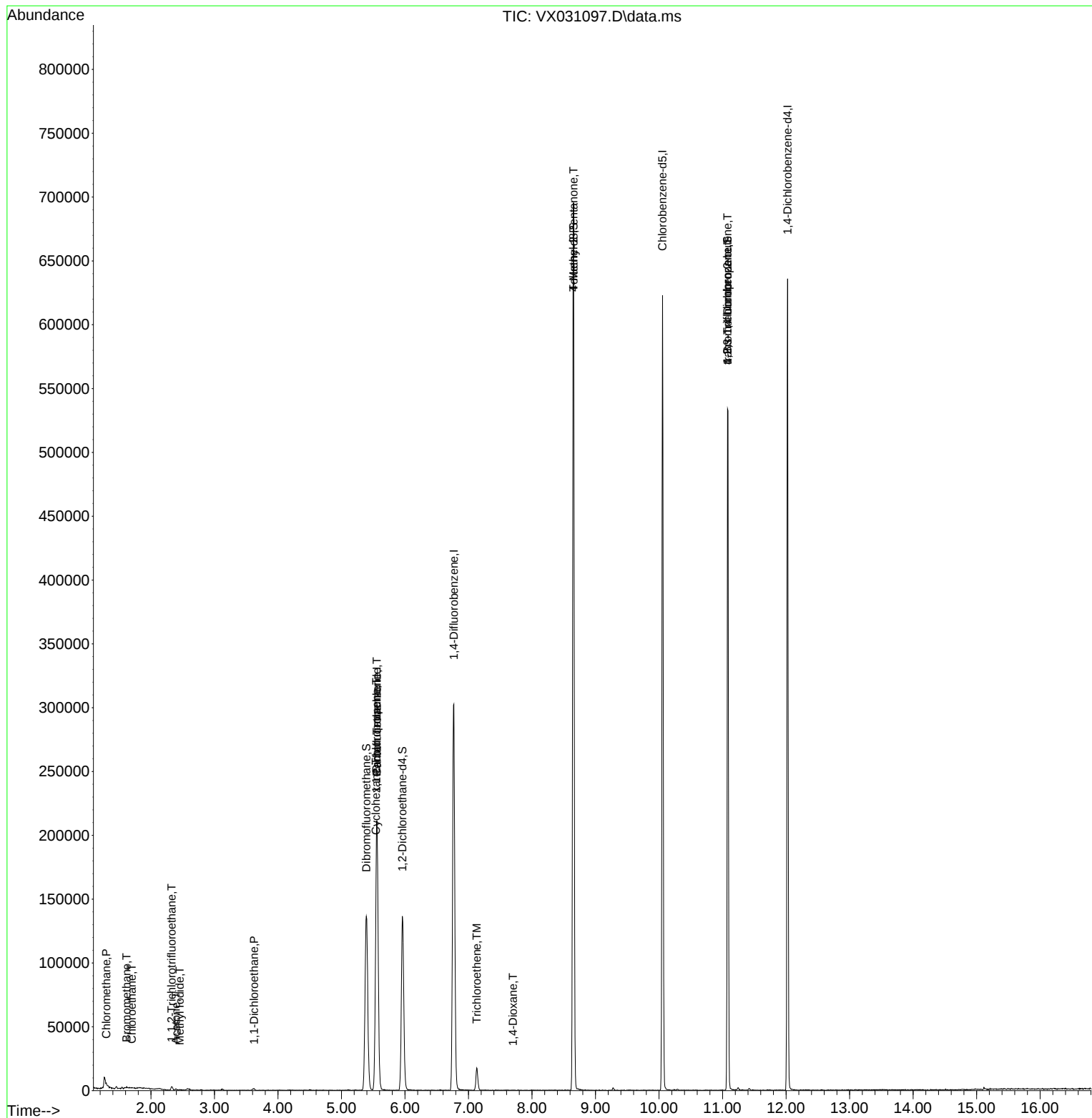
Internal Standards						
1) Pentafluorobenzene	5.556	168	213533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	340753	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	306384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	144547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	132795	48.333	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.660%		
35) Dibromofluoromethane	5.391	113	125647	50.528	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.060%		
50) Toluene-d8	8.653	98	446242	48.759	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.520%		
62) 4-Bromofluorobenzene	11.079	95	149423	46.226	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.460%		
Target Compounds						Qvalue
3) Chloromethane	1.295	50	491	0.931	ug/l #	42
5) Bromomethane	1.618	94	230	0.224	ug/l #	35
6) Chloroethane	1.697	64	672	2.124	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.325	101	885	0.345	ug/l #	91
10) Methyl Iodide	2.453	142	572	3.125	ug/l #	76
11) Tert butyl alcohol	2.989	59	22	Below Cal	#	74
16) Acetone	2.392	43	1012	0.954	ug/l #	79
20) Methylene Chloride	2.794	84	293	Below Cal	#	49
24) 1,1-Dichloroethane	3.623	63	1860	0.416	ug/l #	82
31) Cyclohexane	5.544	56	3536	0.942	ug/l #	24
36) 1,1-Dichloropropene	5.550	75	14385	4.130	ug/l #	49
38) Carbon Tetrachloride	5.556	117	20577	5.691	ug/l #	18
44) Trichloroethene	7.129	130	7223	2.282	ug/l	96
49) 1,4-Dioxane	7.702	88	34	0.468	ug/l #	25
51) 4-Methyl-2-Pentanone	8.653	43	1514	0.498	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	70021	20.492	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	70021	64.401	ug/l #	13

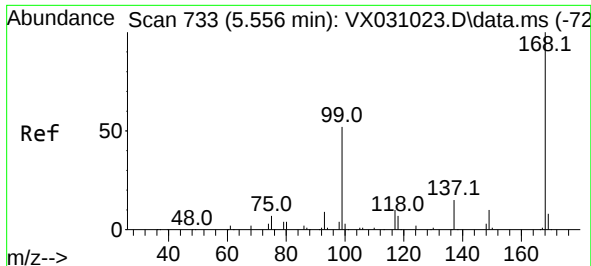
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX031097.D

Acq: 03 Sep 2022 20:57

Instrument :

MSVOA_X

ClientSampleId :

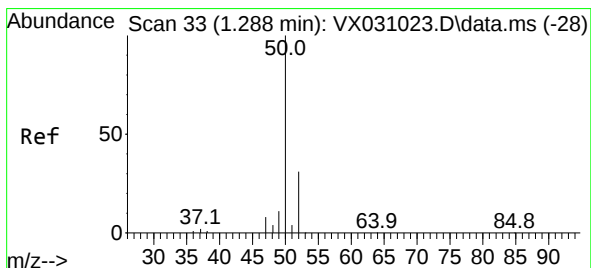
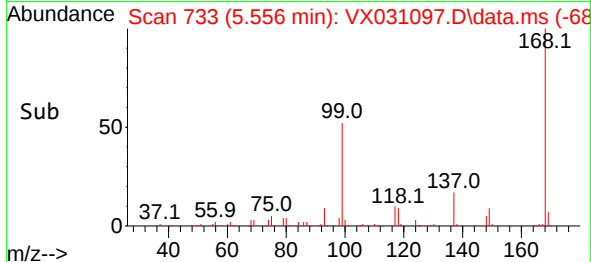
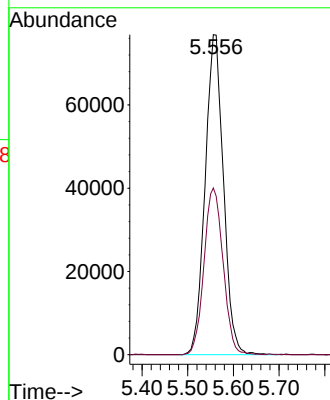
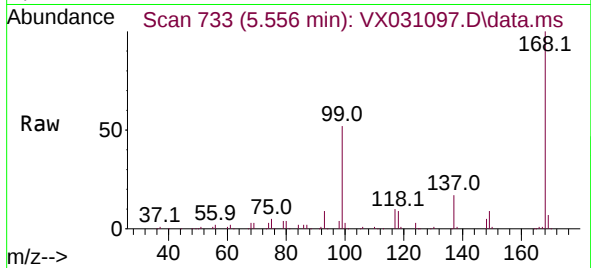
TT180D-20220823

Tgt Ion:168 Resp: 213533

Ion Ratio Lower Upper

168 100

99 52.1 44.0 66.0



#3

Chloromethane

Concen: 0.931 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.006 min

Lab File: VX031097.D

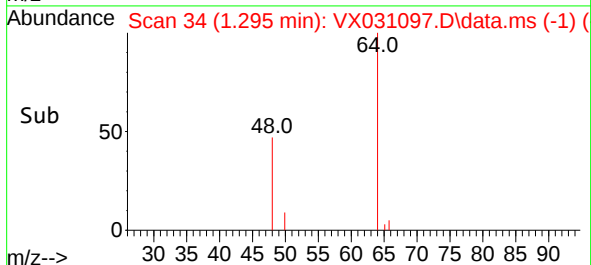
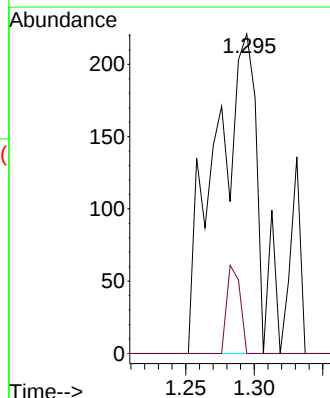
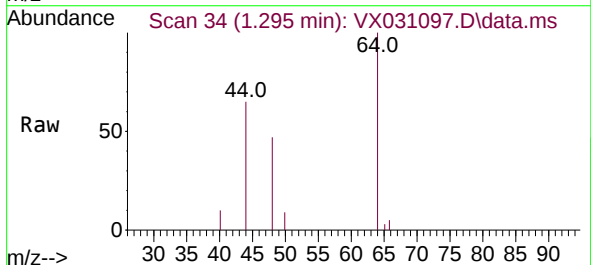
Acq: 03 Sep 2022 20:57

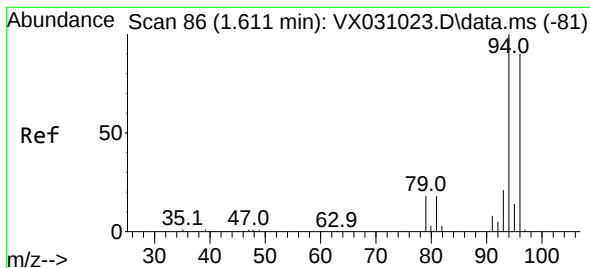
Tgt Ion: 50 Resp: 491

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#





#5

Bromomethane

Concen: 0.224 ug/l

RT: 1.618 min Scan# 81

Delta R.T. 0.013 min

Lab File: VX031097.D

Acq: 03 Sep 2022 20:57

Instrument :

MSVOA_X

ClientSampleId :

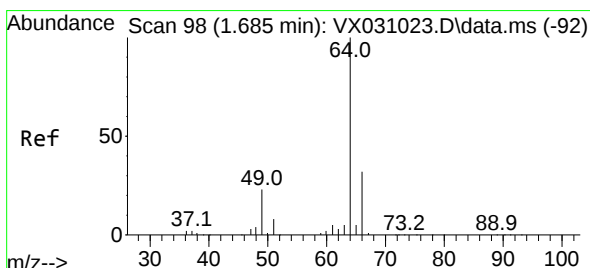
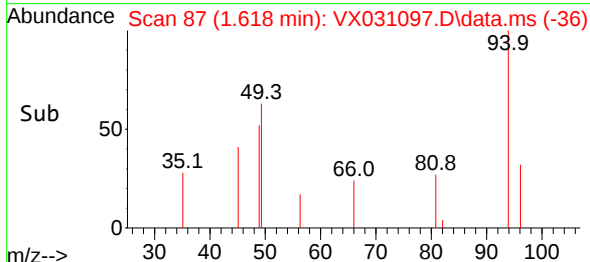
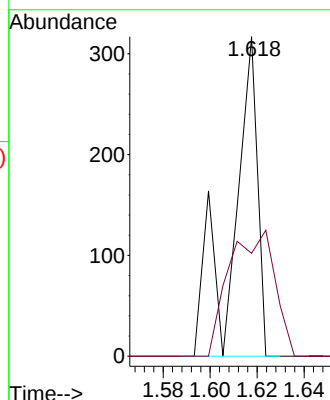
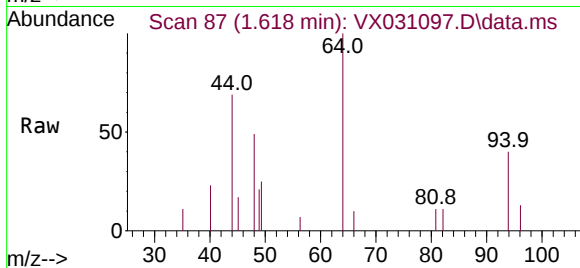
TT180D-20220823

Tgt Ion: 94 Resp: 230

Ion Ratio Lower Upper

94 100

96 32.2 76.9 115.3#



#6

Chloroethane

Concen: 2.124 ug/l

RT: 1.697 min Scan# 100

Delta R.T. 0.012 min

Lab File: VX031097.D

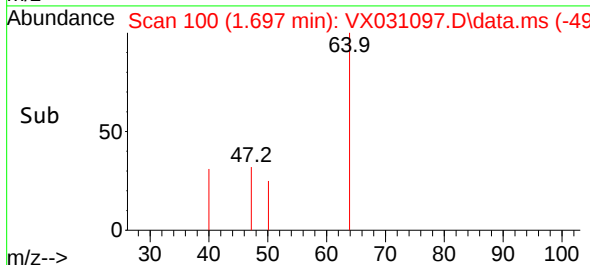
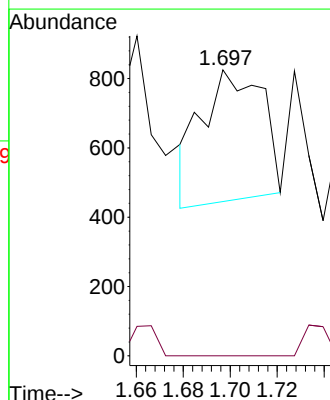
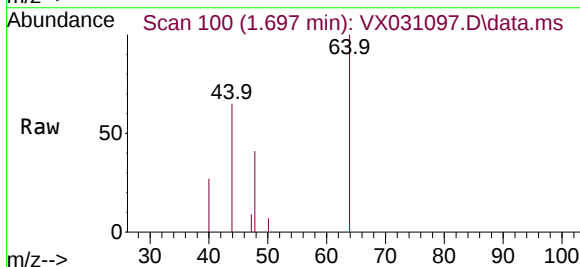
Acq: 03 Sep 2022 20:57

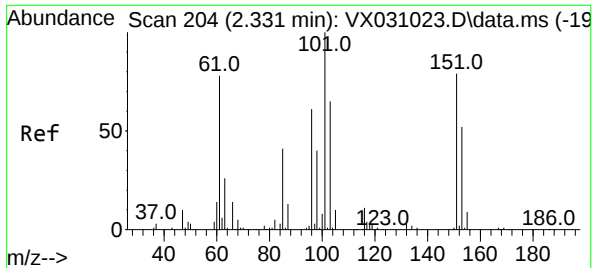
Tgt Ion: 64 Resp: 672

Ion Ratio Lower Upper

64 100

66 0.0 27.2 40.8#

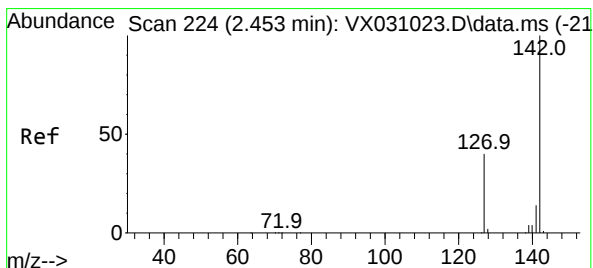
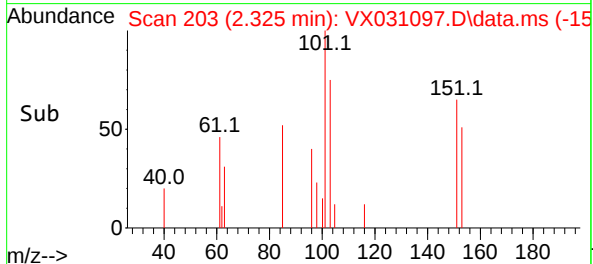
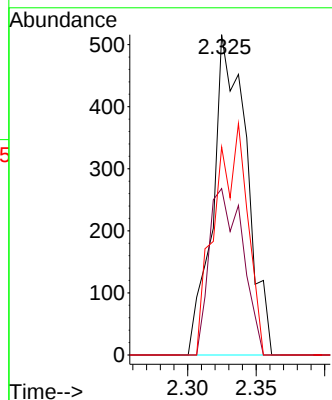
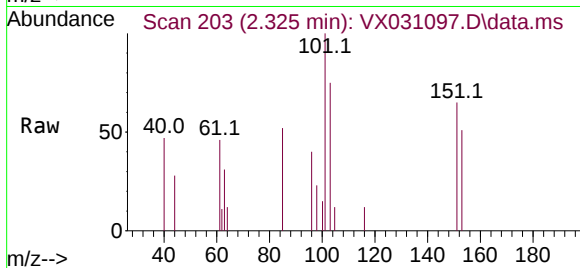




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.345 ug/l
RT: 2.325 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX031097.D
Acq: 03 Sep 2022 20:57

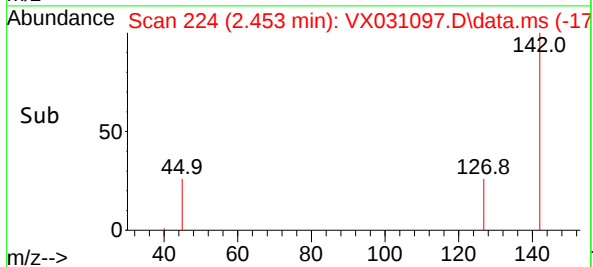
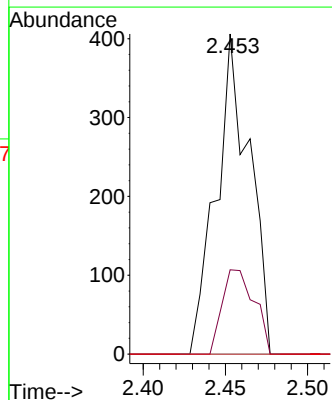
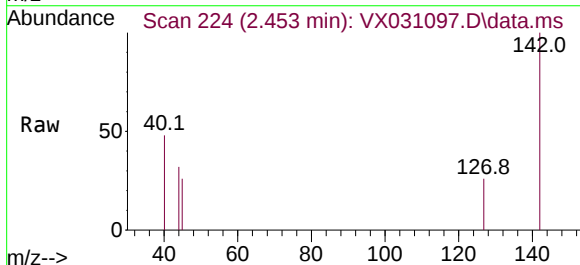
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20220823

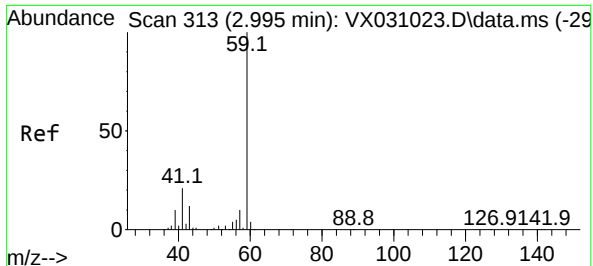
Tgt Ion:101 Resp: 885
Ion Ratio Lower Upper
101 100
85 51.4 34.0 51.0#
151 69.0 59.4 89.0



#10
Methyl Iodide
Concen: 3.125 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX031097.D
Acq: 03 Sep 2022 20:57

Tgt Ion:142 Resp: 572
Ion Ratio Lower Upper
142 100
127 25.5 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.989 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX031097.D

Acq: 03 Sep 2022 20:57

Instrument :

MSVOA_X

ClientSampleId :

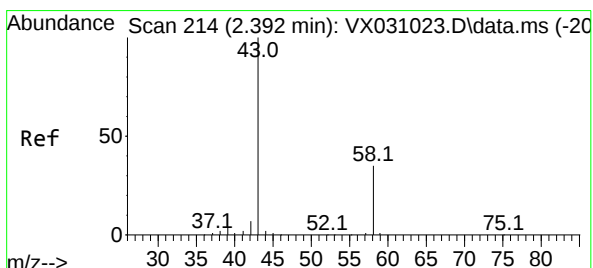
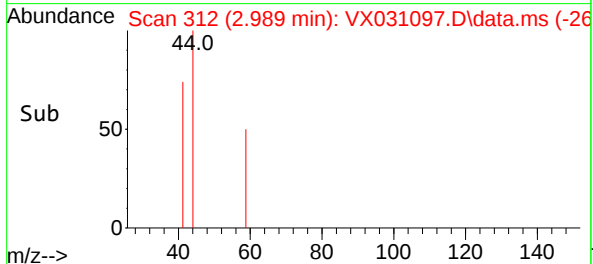
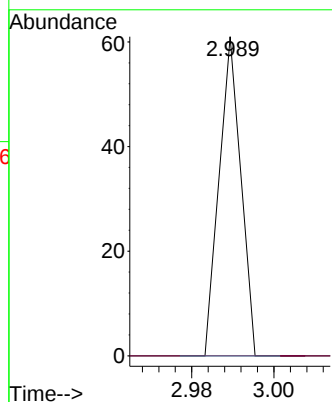
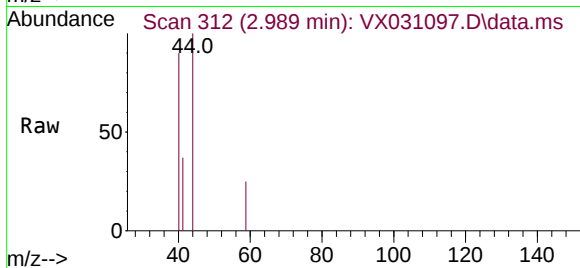
TT180D-20220823

Tgt Ion: 59 Resp: 22

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 0.954 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX031097.D

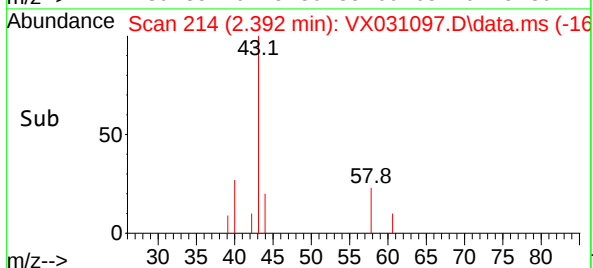
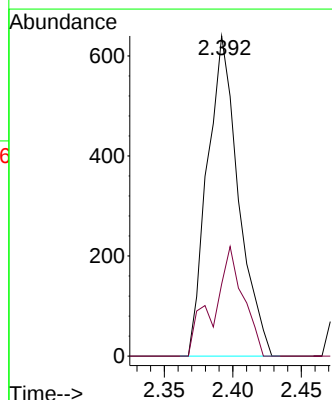
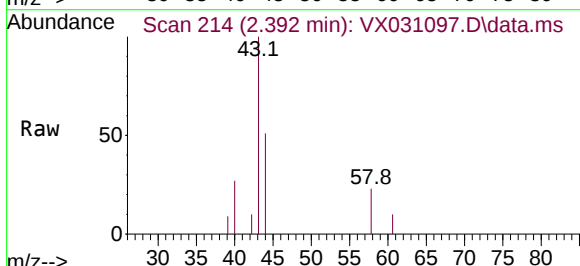
Acq: 03 Sep 2022 20:57

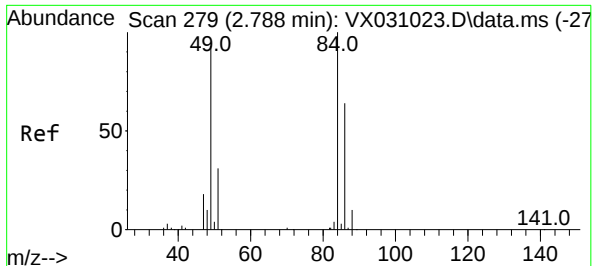
Tgt Ion: 43 Resp: 1012

Ion Ratio Lower Upper

43 100

58 22.5 27.7 41.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031097.D

Acq: 03 Sep 2022 20:57

Instrument :

MSVOA_X

ClientSampleId :

TT180D-20220823

Tgt Ion: 84 Resp: 293

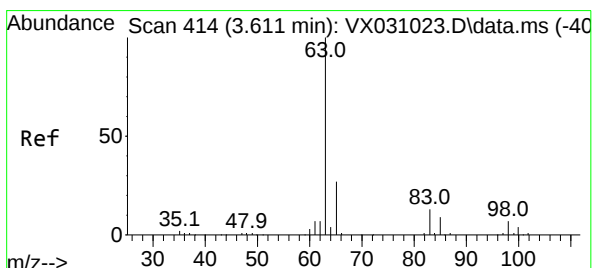
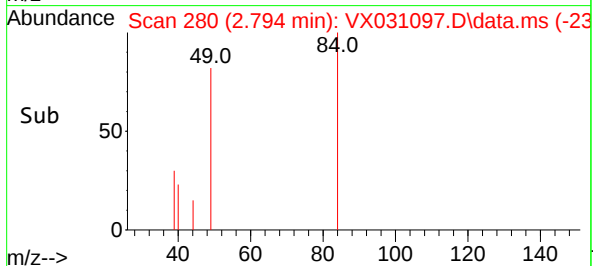
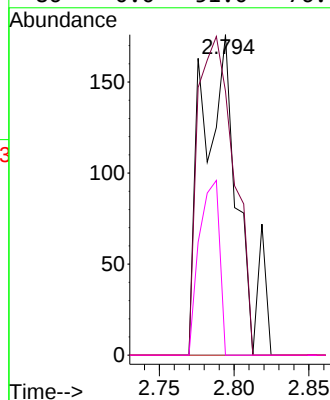
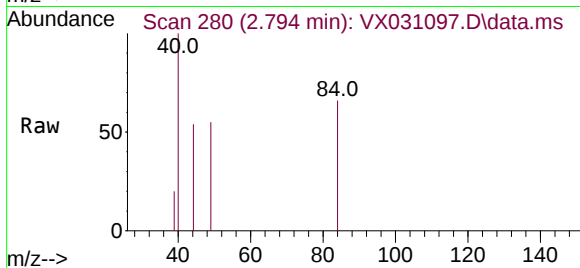
Ion Ratio Lower Upper

84 100

49 82.4 93.8 140.6#

51 0.0 29.4 44.0#

86 0.0 51.0 76.4#



#24

1,1-Dichloroethane

Concen: 0.416 ug/l

RT: 3.623 min Scan# 416

Delta R.T. 0.012 min

Lab File: VX031097.D

Acq: 03 Sep 2022 20:57

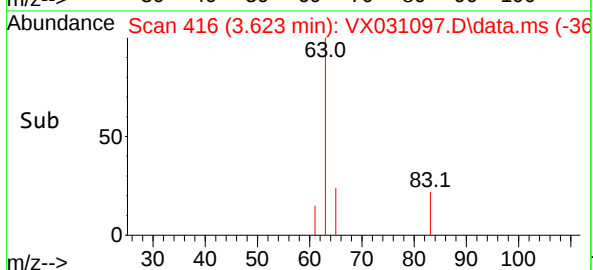
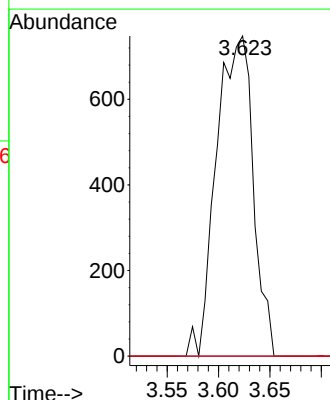
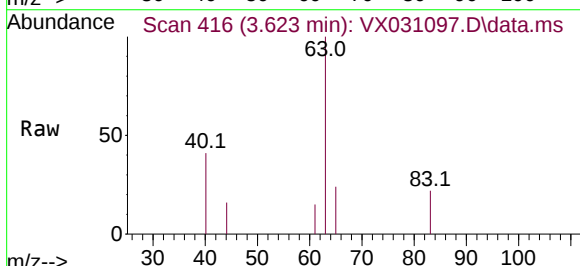
Tgt Ion: 63 Resp: 1860

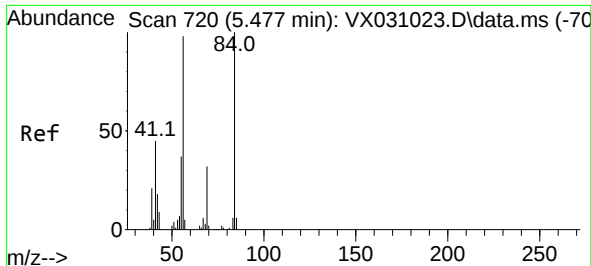
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

100 0.0 2.3 6.9#

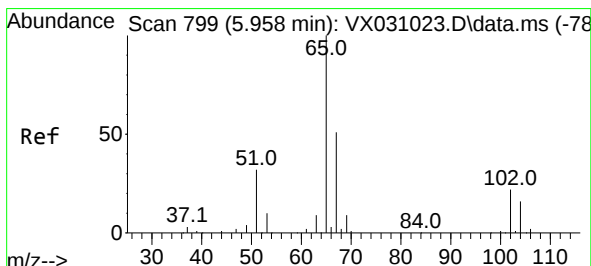
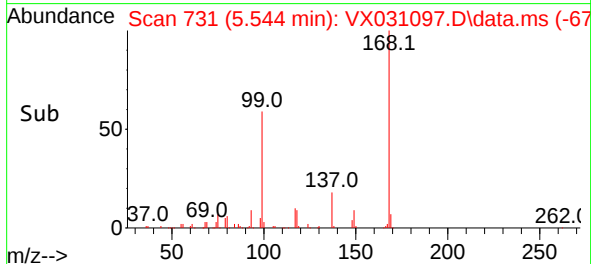
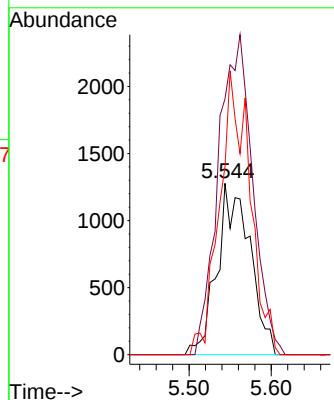
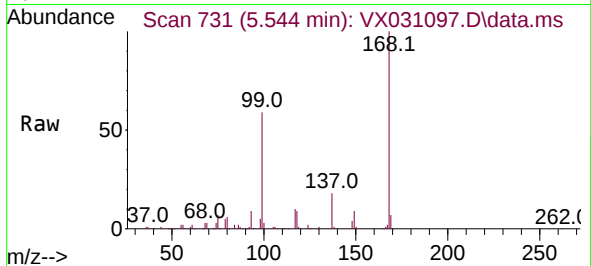




#31
Cyclohexane
Concen: 0.942 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.067 min
Lab File: VX031097.D
Acq: 03 Sep 2022 20:57

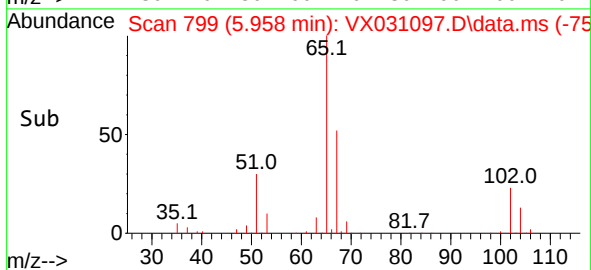
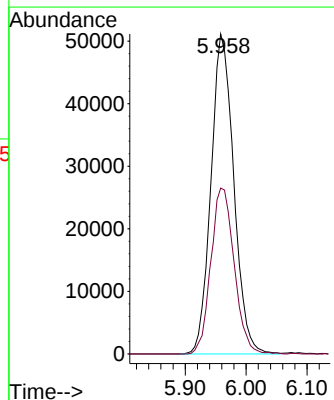
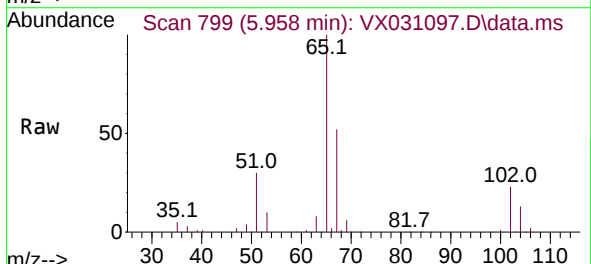
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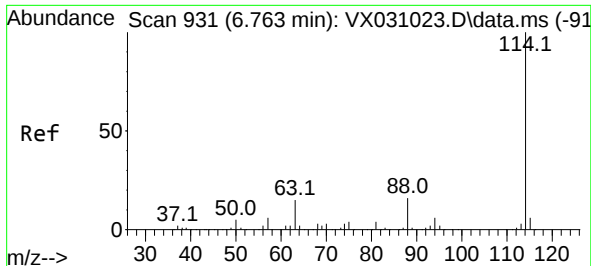
Tgt Ion: 56 Resp: 3536
Ion Ratio Lower Upper
56 100
69 149.2 25.4 38.0#
84 109.8 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 48.333 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031097.D
Acq: 03 Sep 2022 20:57

Tgt Ion: 65 Resp: 132795
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.6

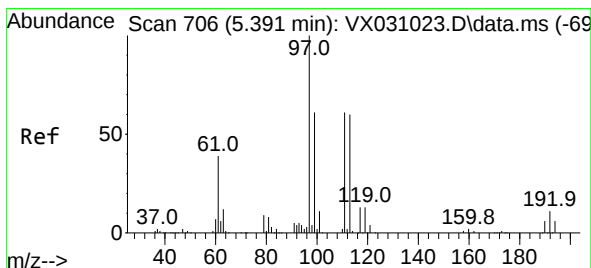
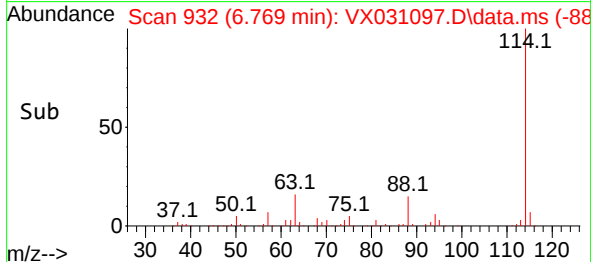
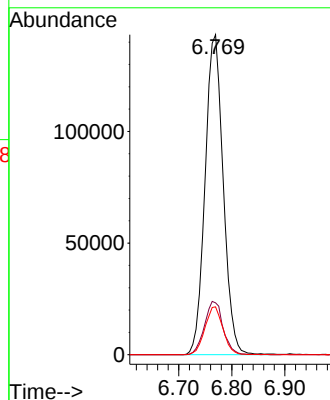
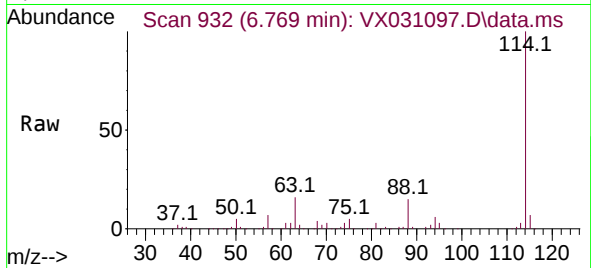




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX031097.D
Acq: 03 Sep 2022 20:57

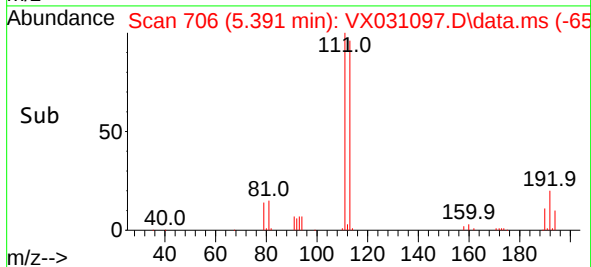
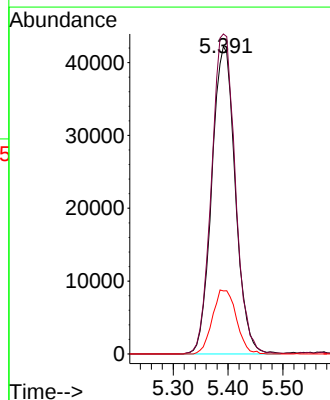
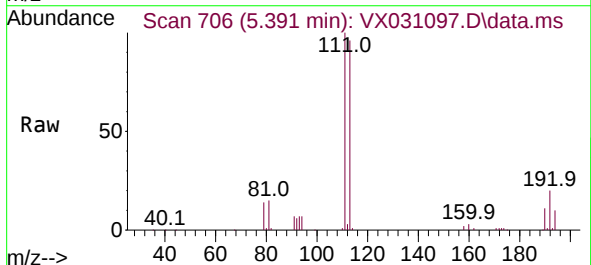
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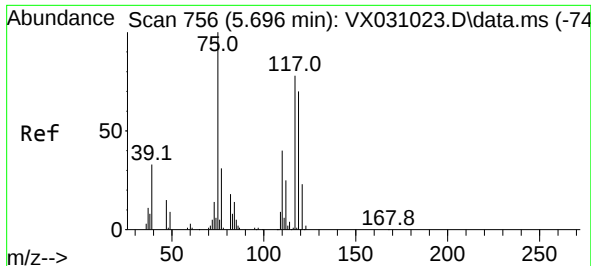
Tgt Ion:114 Resp: 340753
Ion Ratio Lower Upper
114 100
63 16.2 0.0 38.4
88 14.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.528 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031097.D
Acq: 03 Sep 2022 20:57

Tgt Ion:113 Resp: 125647
Ion Ratio Lower Upper
113 100
111 105.2 83.2 124.8
192 21.1 14.8 22.2

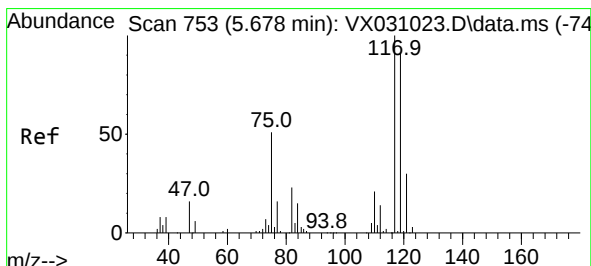
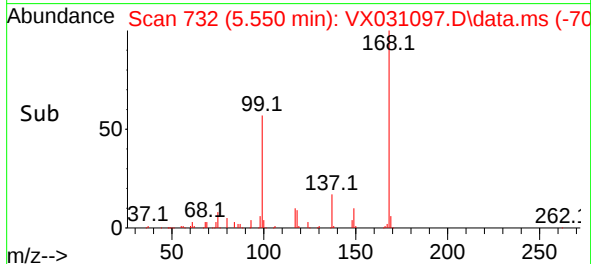
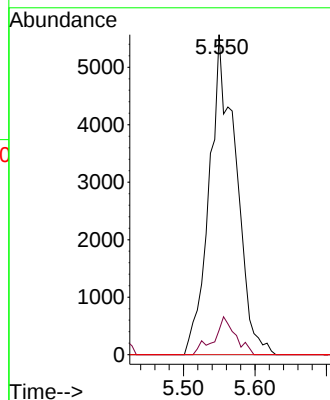
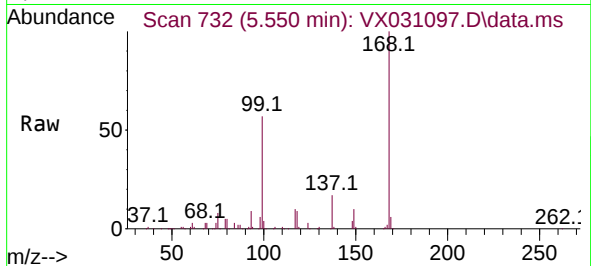




#36
1,1-Dichloropropene
Concen: 4.130 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX031097.D
Acq: 03 Sep 2022 20:57

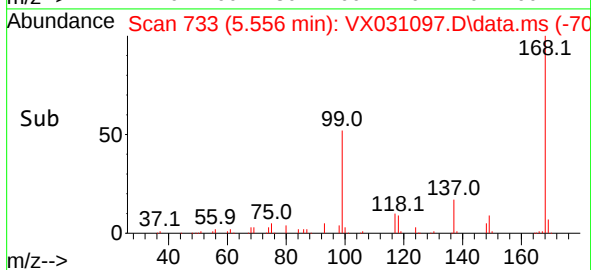
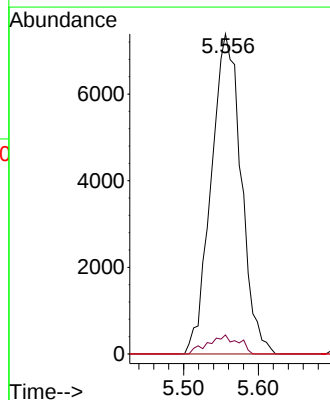
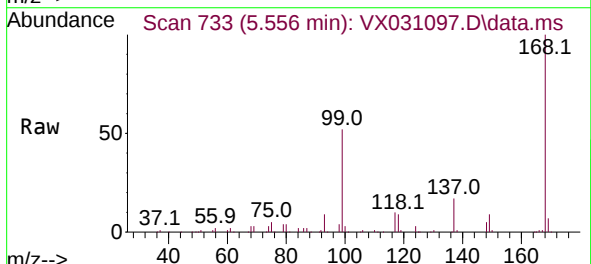
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20220823

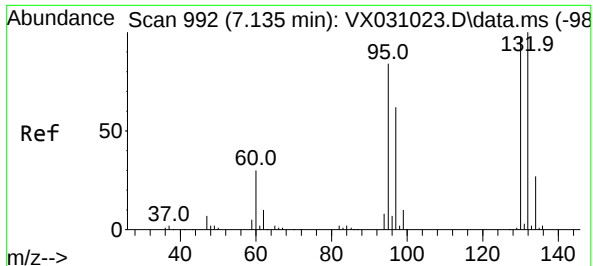
Tgt Ion: 75 Resp: 14385
Ion Ratio Lower Upper
75 100
110 9.5 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.691 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX031097.D
Acq: 03 Sep 2022 20:57

Tgt Ion: 117 Resp: 20577
Ion Ratio Lower Upper
117 100
119 6.0 74.1 111.1#
121 0.0 25.8 38.8#

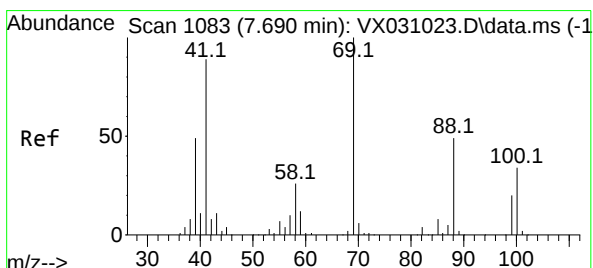
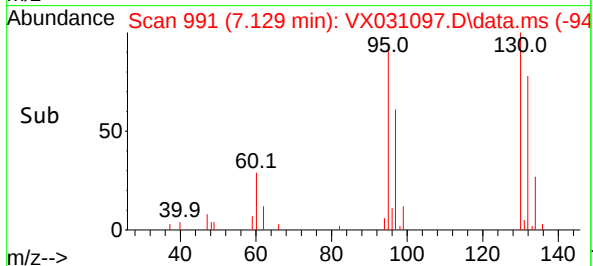
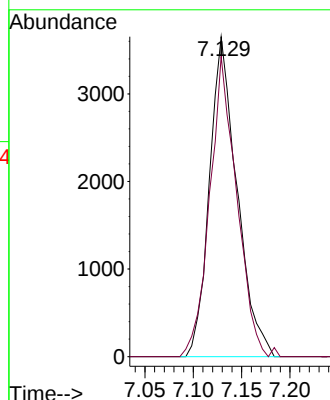
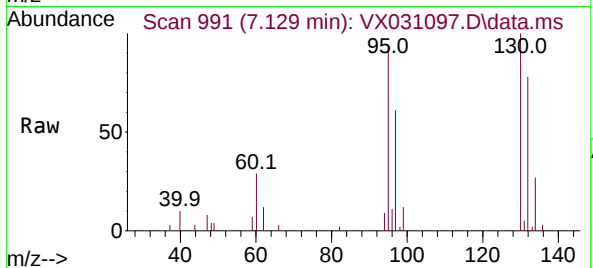




#44
Trichloroethene
Concen: 2.282 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031097.D
Acq: 03 Sep 2022 20:57

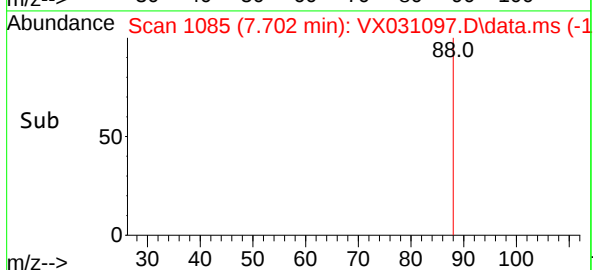
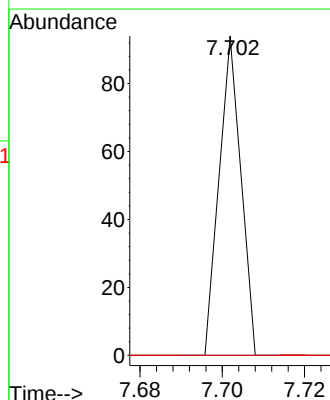
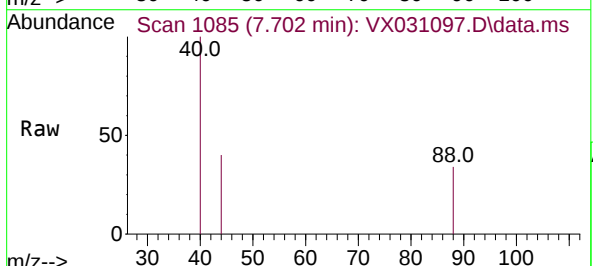
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20220823

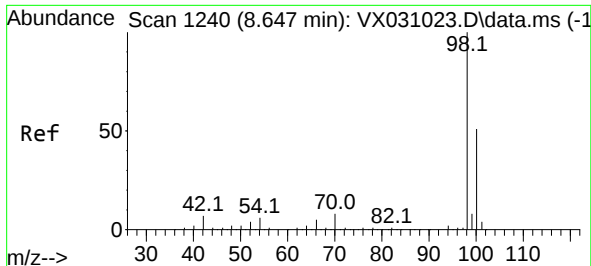
Tgt Ion:130 Resp: 7223
Ion Ratio Lower Upper
130 100
95 93.9 0.0 194.8



#49
1,4-Dioxane
Concen: 0.468 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.025 min
Lab File: VX031097.D
Acq: 03 Sep 2022 20:57

Tgt Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
43 0.0 23.8 35.8#
58 0.0 53.8 80.6#

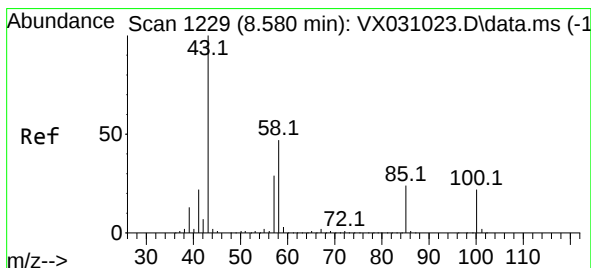
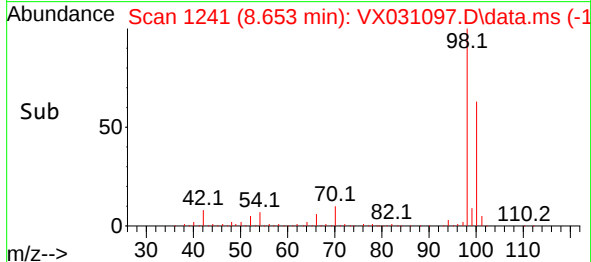
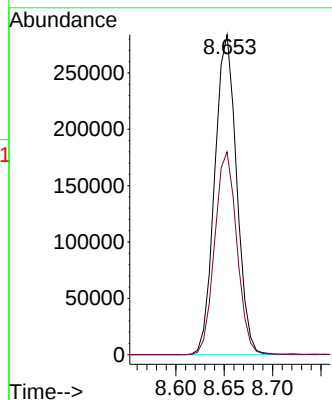
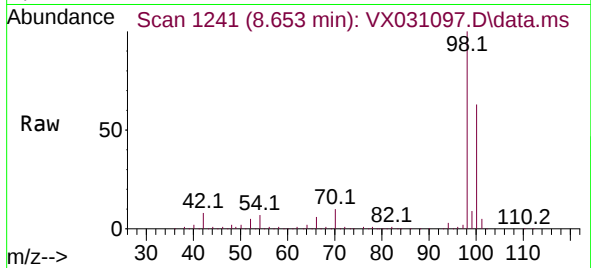




#50
Toluene-d8
Concen: 48.759 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031097.D
Acq: 03 Sep 2022 20:57

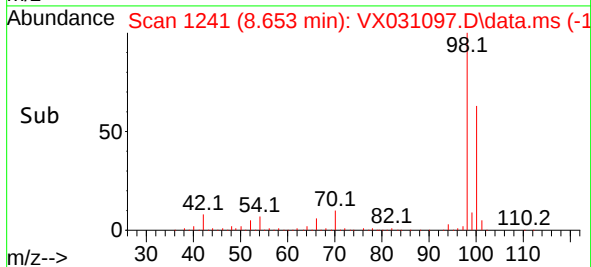
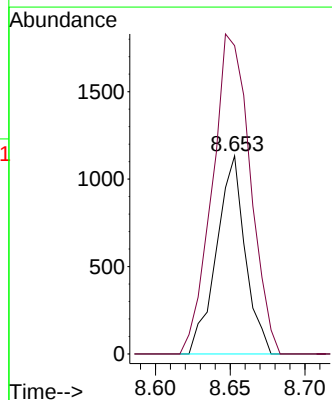
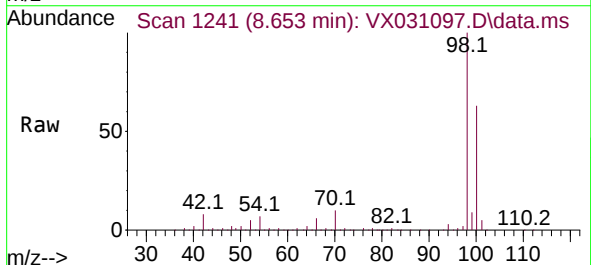
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20220823

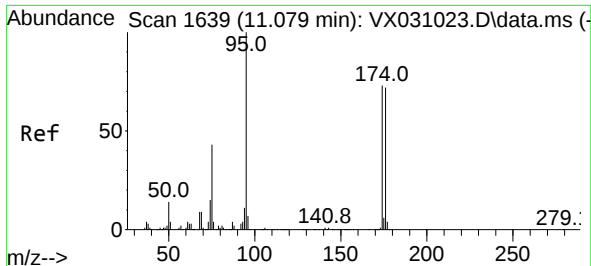
Tgt Ion: 98 Resp: 446242
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.498 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX031097.D
Acq: 03 Sep 2022 20:57

Tgt Ion: 43 Resp: 1514
Ion Ratio Lower Upper
43 100
58 213.1 31.4 47.2#

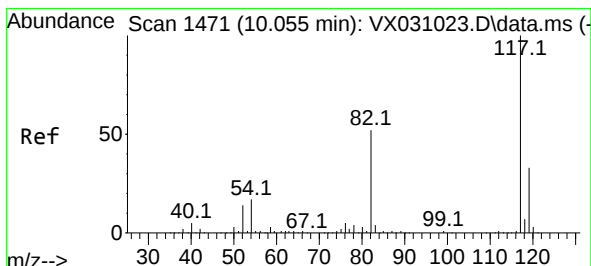
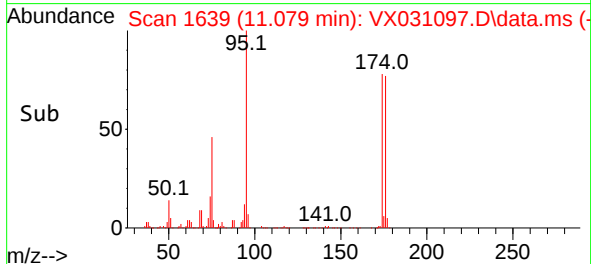
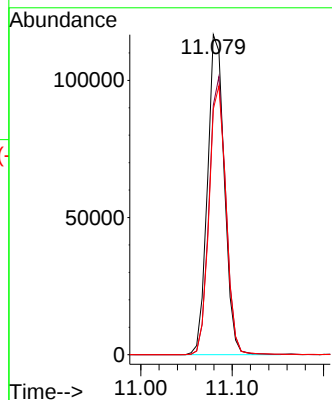
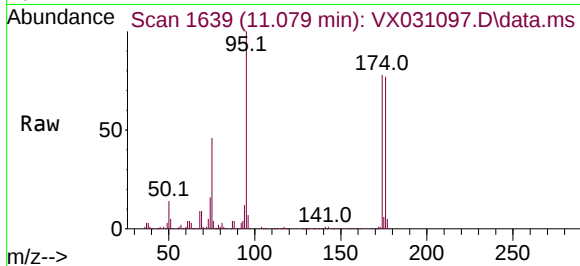




#62
4-Bromofluorobenzene
Concen: 46.226 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX031097.D
Acq: 03 Sep 2022 20:57

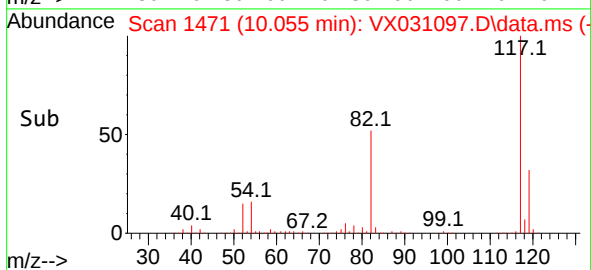
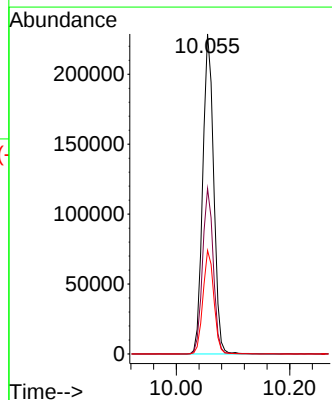
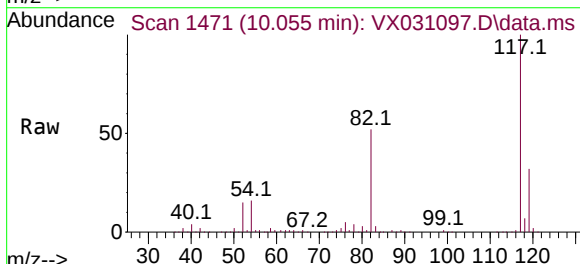
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20220823

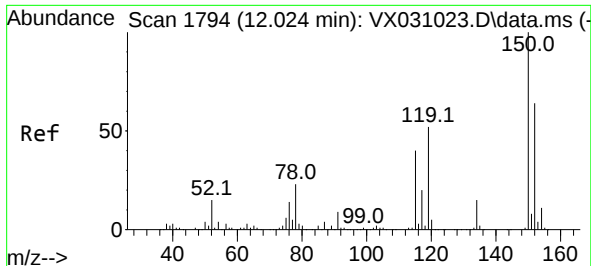
Tgt Ion: 95 Resp: 149423
Ion Ratio Lower Upper
95 100
174 86.2 0.0 149.0
176 84.5 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031097.D
Acq: 03 Sep 2022 20:57

Tgt Ion: 117 Resp: 306384
Ion Ratio Lower Upper
117 100
82 51.7 42.7 64.1
119 32.4 25.4 38.2

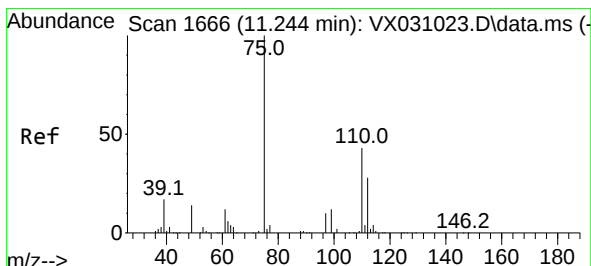
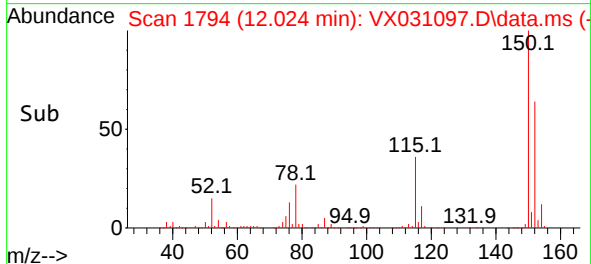
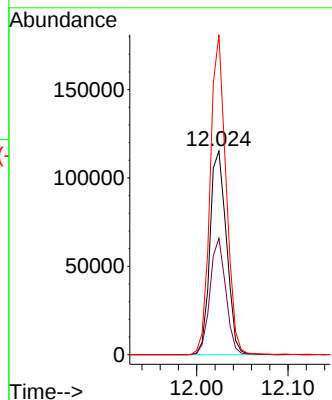
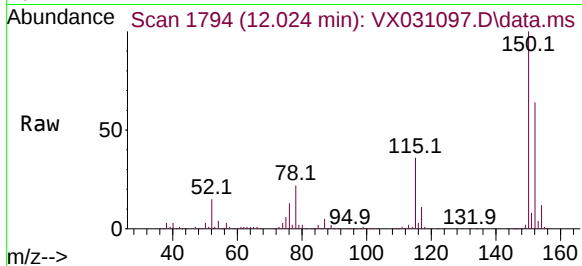




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031097.D
 Acq: 03 Sep 2022 20:57

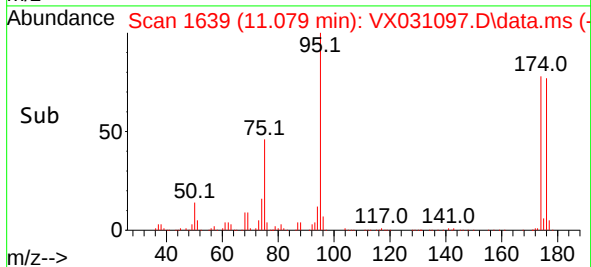
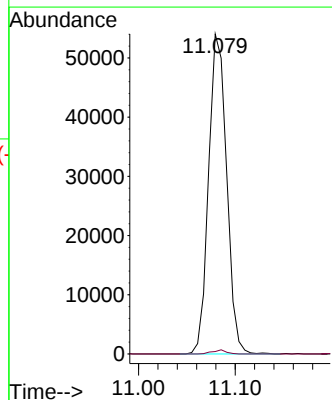
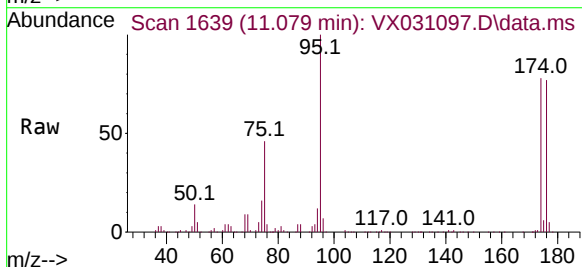
Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D-20220823

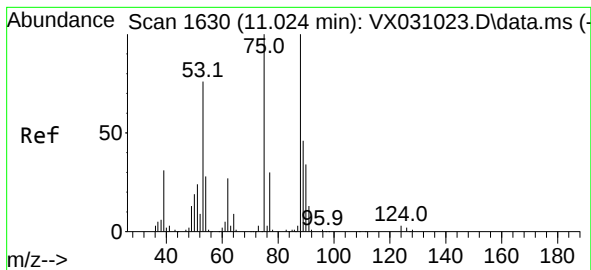
Tgt Ion:152 Resp: 144547
 Ion Ratio Lower Upper
 152 100
 115 54.8 40.5 121.5
 150 150.6 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 20.492 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX031097.D
 Acq: 03 Sep 2022 20:57

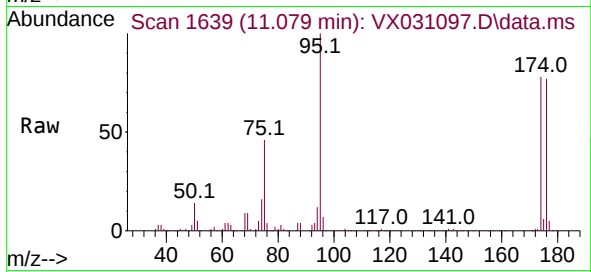
Tgt Ion: 75 Resp: 70021
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.401 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.055 min
 Lab File: VX031097.D
 Acq: 03 Sep 2022 20:57

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D-20220823



Tgt Ion: 75 Resp: 70021
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

