

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083122\
 Data File : VX031012.D
 Acq On : 01 Sep 2022 05:36
 Operator : JC/MD
 Sample : N4454-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-02B-18.7-23.7-083022

Quant Time: Sep 06 02:33:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

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

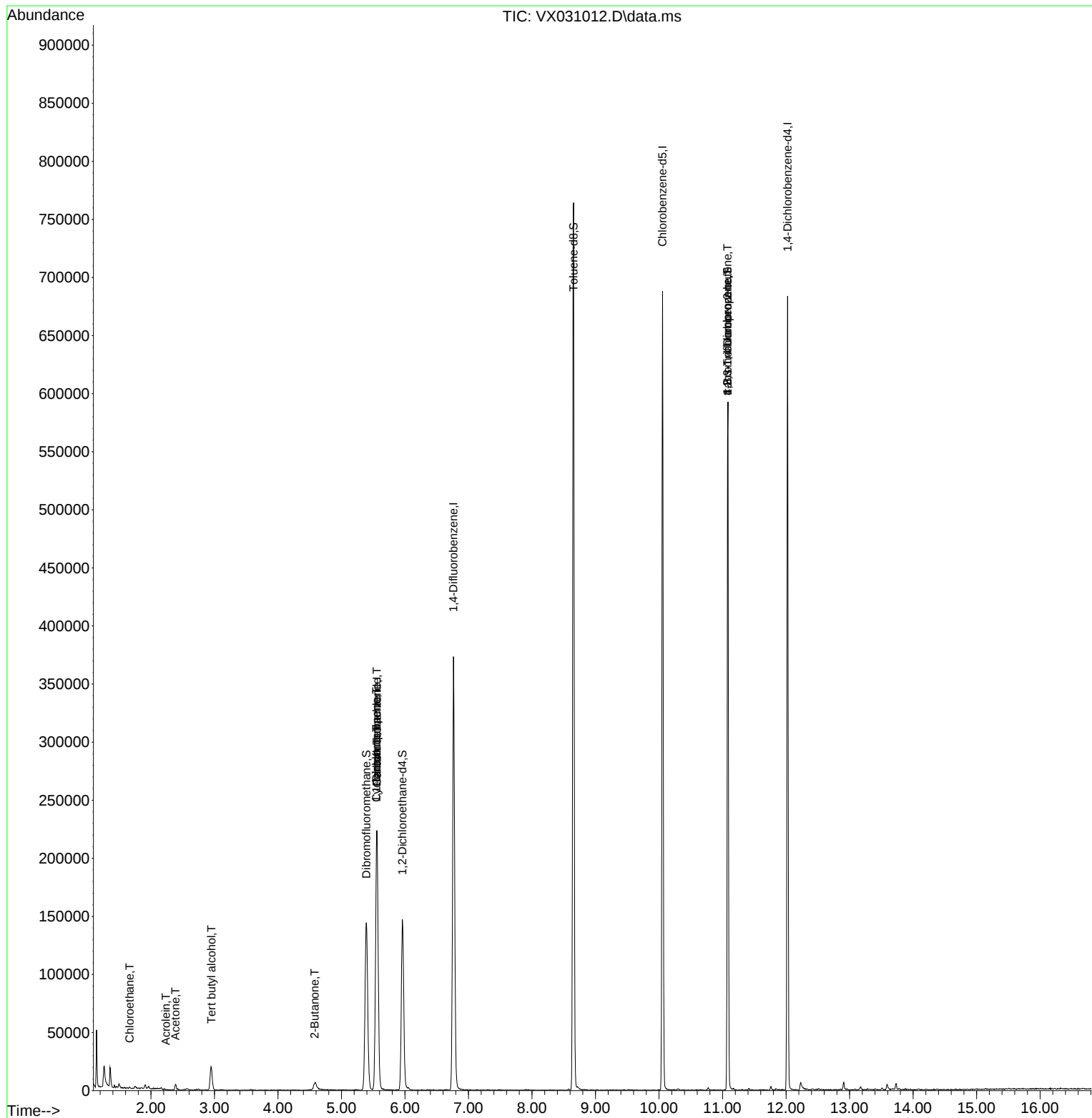
Internal Standards						
1) Pentafluorobenzene	5.556	168	219739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	376078	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	331470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	140085	44.448	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.900%		
35) Dibromofluoromethane	5.391	113	133391	48.117	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.240%		
50) Toluene-d8	8.653	98	490513	47.777	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.560%		
62) 4-Bromofluorobenzene	11.079	95	168644	46.128	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.260%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	201	Below Cal	#	55
6) Chloroethane	1.666	64	350	0.210	ug/l #	41
11) Tert butyl alcohol	2.953	59	11829	15.842	ug/l #	77
13) Acrolein	2.233	56	21	7.328	ug/l #	14
16) Acetone	2.386	43	5115	3.596	ug/l	89
25) 2-Butanone	4.574	43	1721	0.747	ug/l #	78
31) Cyclohexane	5.550	56	4074	0.873	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	15880	3.854	ug/l #	49
38) Carbon Tetrachloride	5.556	117	21684	5.528	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	77076	21.221	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	77076	63.094	ug/l #	13

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

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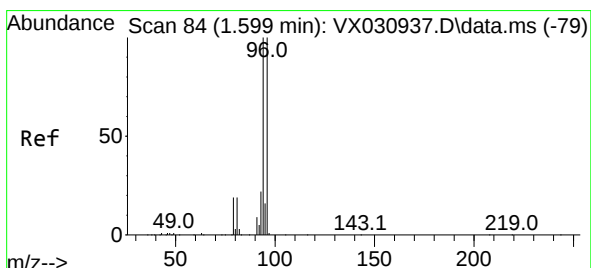
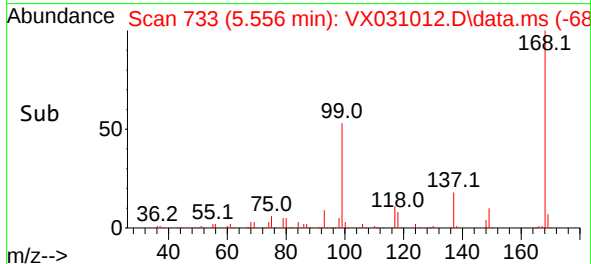
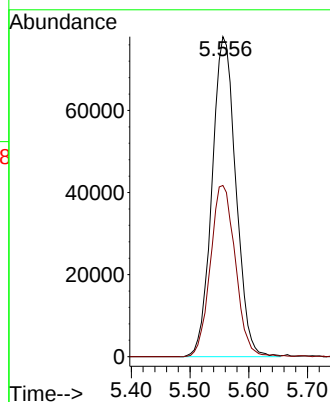
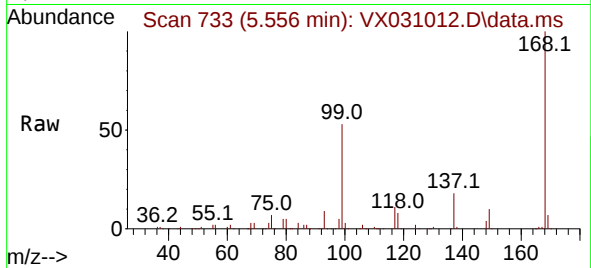




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031012.D
Acq: 01 Sep 2022 05:36

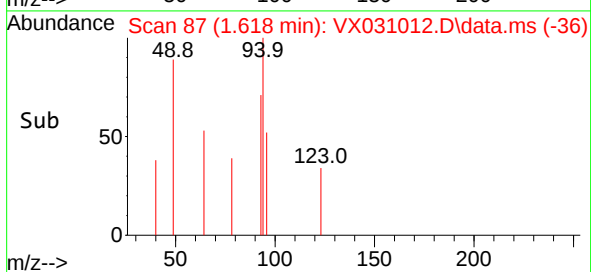
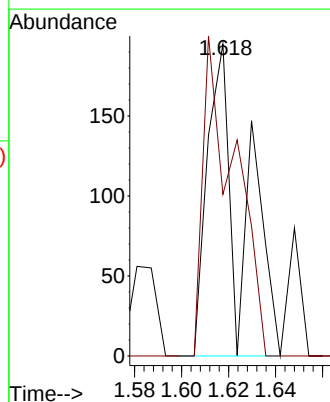
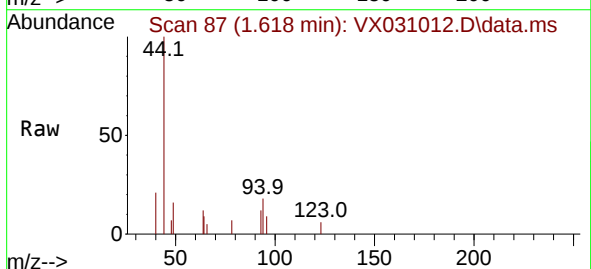
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-083022

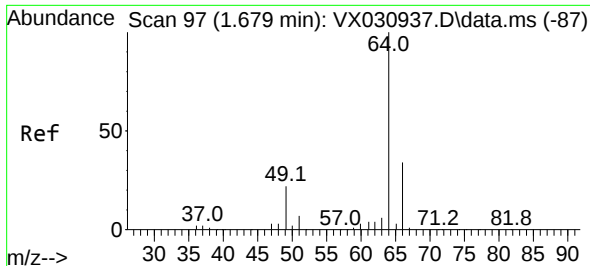
Tgt Ion:168 Resp: 219739
Ion Ratio Lower Upper
168 100
99 53.5 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.013 min
Lab File: VX031012.D
Acq: 01 Sep 2022 05:36

Tgt Ion: 94 Resp: 201
Ion Ratio Lower Upper
94 100
96 51.8 76.9 115.3#

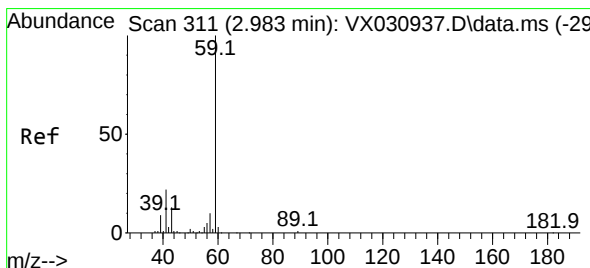
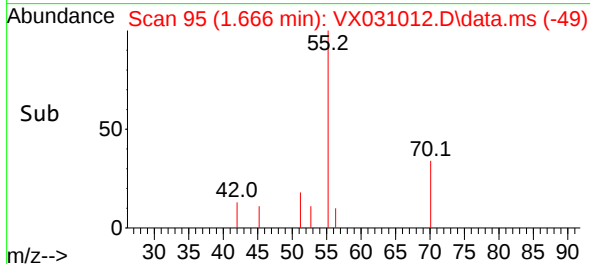
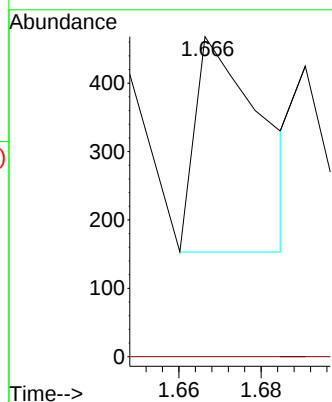
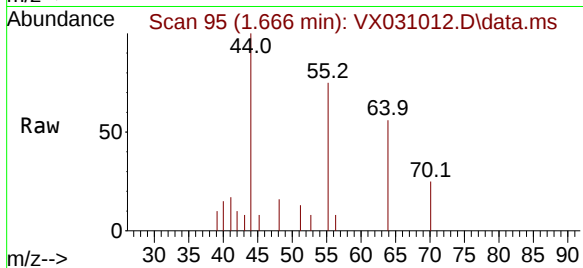




#6
 Chloroethane
 Concen: 0.210 ug/l
 RT: 1.666 min Scan# 91
 Delta R.T. -0.019 min
 Lab File: VX031012.D
 Acq: 01 Sep 2022 05:36

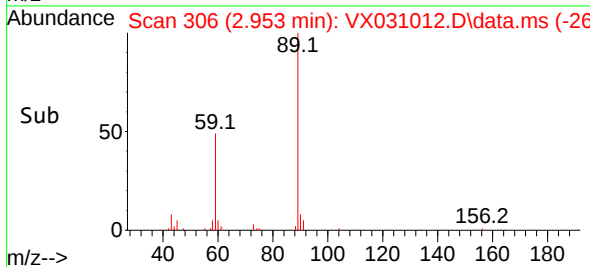
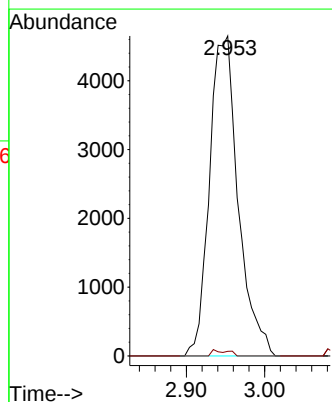
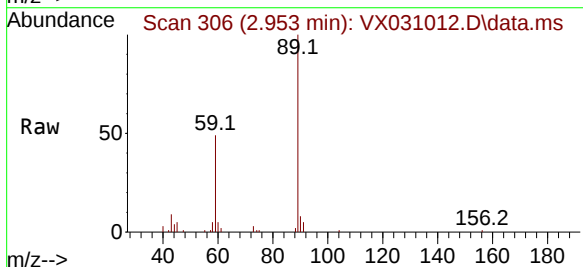
Instrument :
 MSVOA_X
 ClientSampleId :
 OW-02B-18.7-23.7-083022

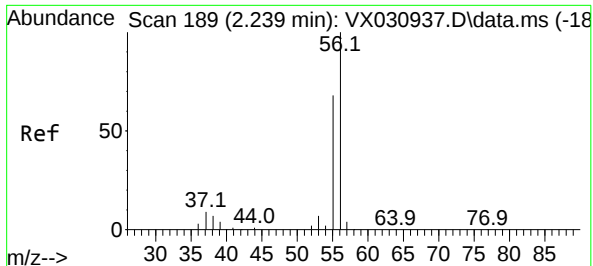
Tgt Ion: 64 Resp: 350
 Ion Ratio Lower Upper
 64 100
 66 0.0 27.2 40.8#



#11
 Tert butyl alcohol
 Concen: 15.842 ug/l
 RT: 2.953 min Scan# 306
 Delta R.T. -0.036 min
 Lab File: VX031012.D
 Acq: 01 Sep 2022 05:36

Tgt Ion: 59 Resp: 11829
 Ion Ratio Lower Upper
 59 100
 57 1.0 7.4 11.2#

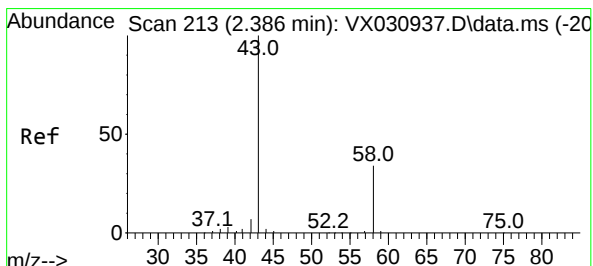
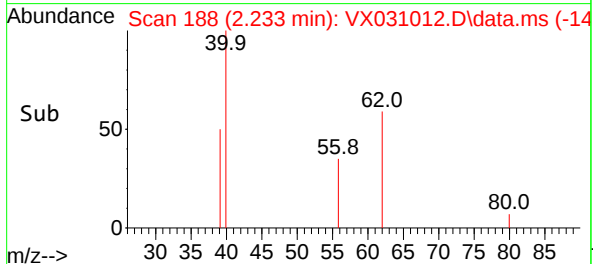
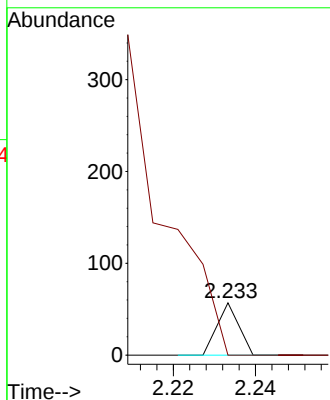
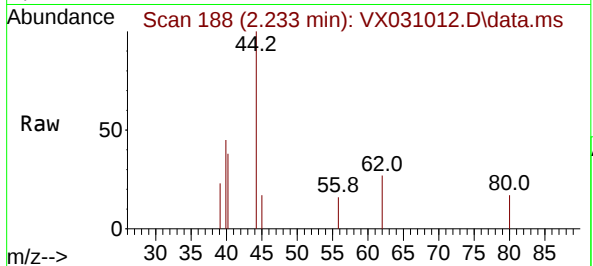




#13
Acrolein
Concen: 7.328 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031012.D
Acq: 01 Sep 2022 05:36

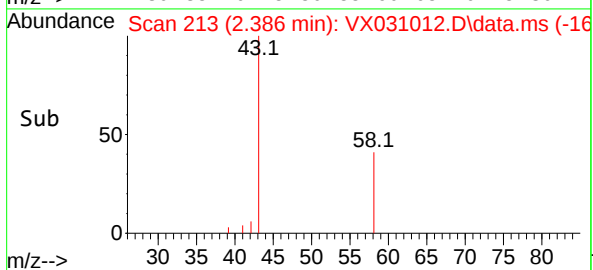
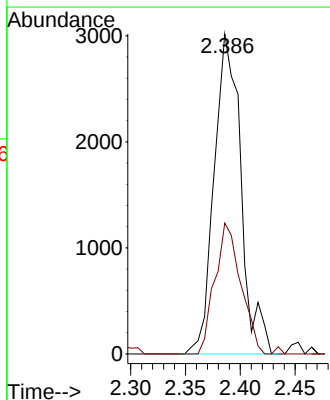
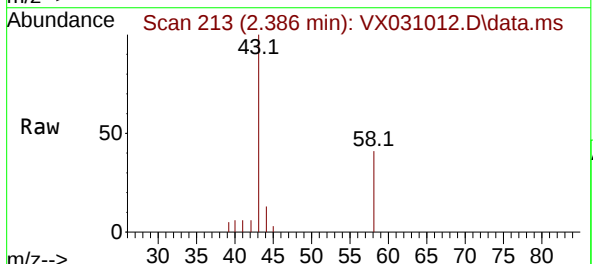
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-083022

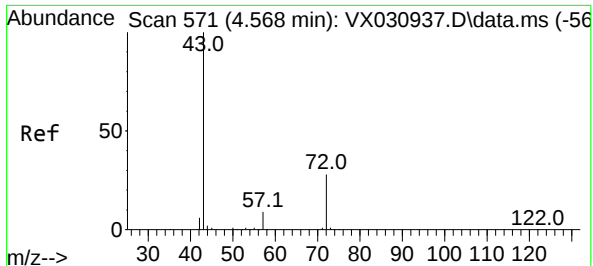
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 3.596 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031012.D
Acq: 01 Sep 2022 05:36

Tgt Ion: 43 Resp: 5115
Ion Ratio Lower Upper
43 100
58 40.9 27.7 41.5





#25

2-Butanone

Concen: 0.747 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX031012.D

Acq: 01 Sep 2022 05:36

Instrument :

MSVOA_X

ClientSampleId :

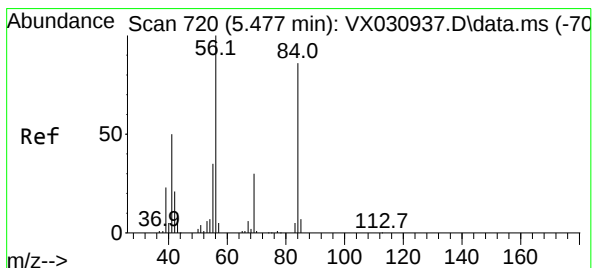
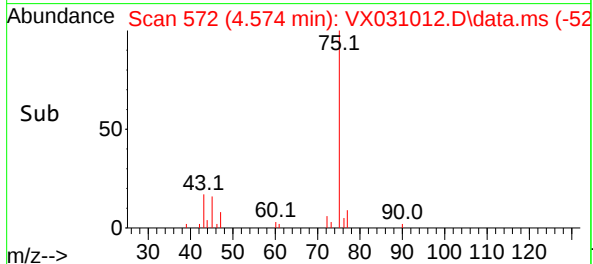
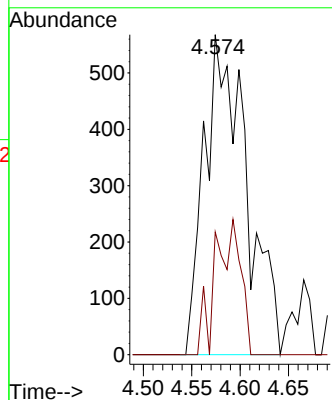
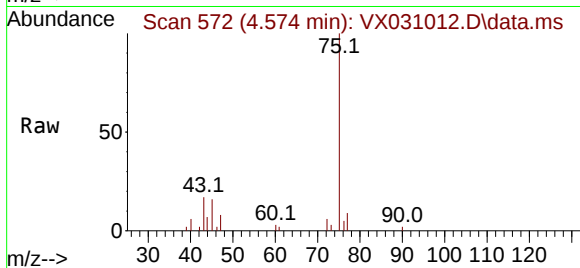
OW-02B-18.7-23.7-083022

Tgt Ion: 43 Resp: 1721

Ion Ratio Lower Upper

43 100

72 38.4 21.7 32.5#



#31

Cyclohexane

Concen: 0.873 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX031012.D

Acq: 01 Sep 2022 05:36

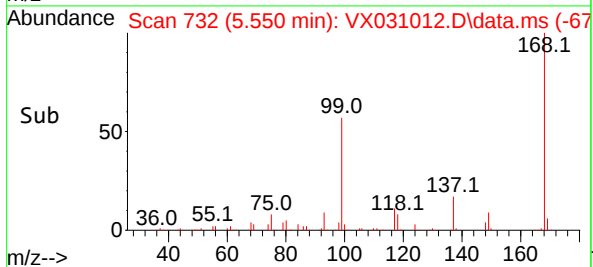
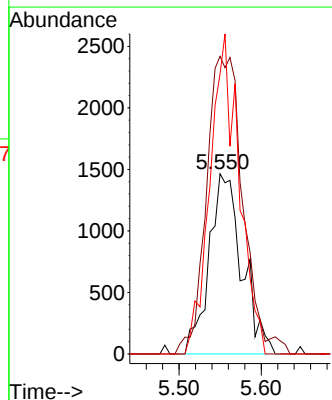
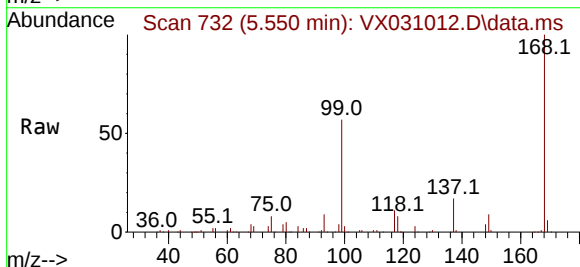
Tgt Ion: 56 Resp: 4074

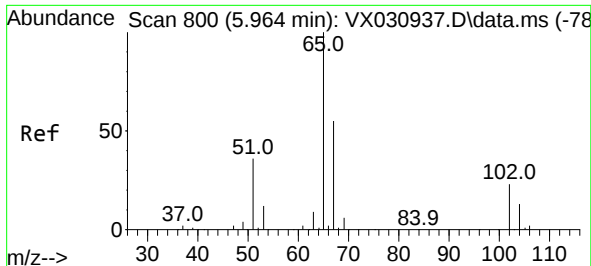
Ion Ratio Lower Upper

56 100

69 159.6 25.4 38.0#

84 155.4 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 44.448 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031012.D

Acq: 01 Sep 2022 05:36

Instrument :

MSVOA_X

ClientSampleId :

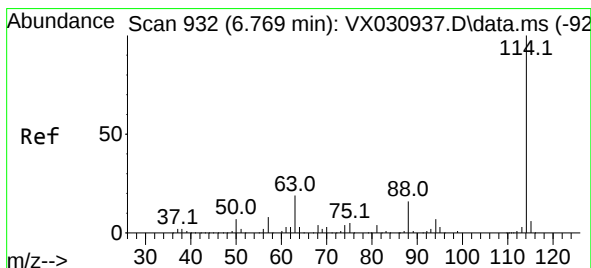
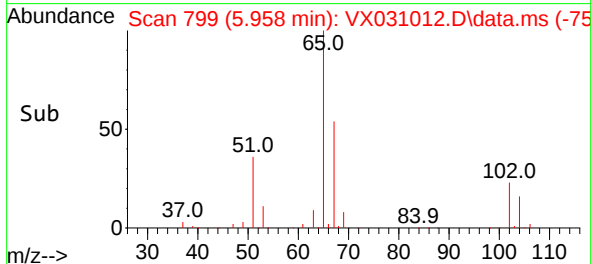
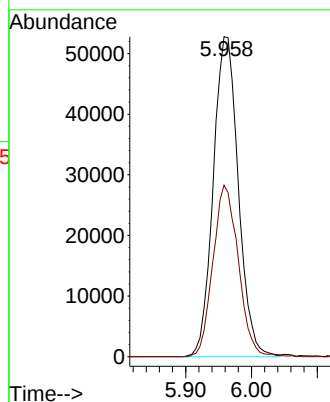
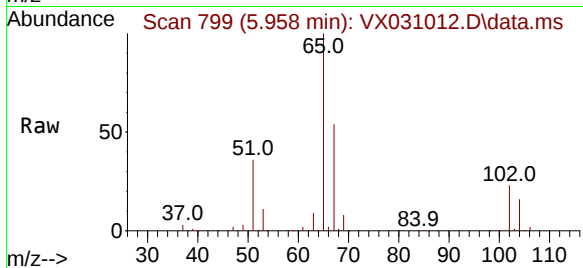
OW-02B-18.7-23.7-083022

Tgt Ion: 65 Resp: 140085

Ion Ratio Lower Upper

65 100

67 54.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX031012.D

Acq: 01 Sep 2022 05:36

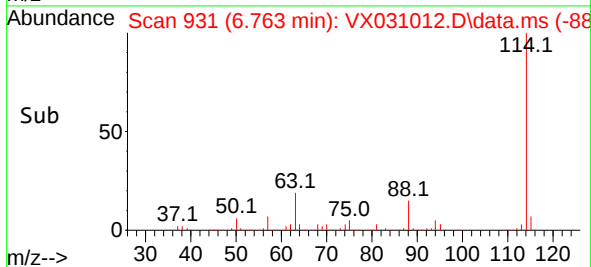
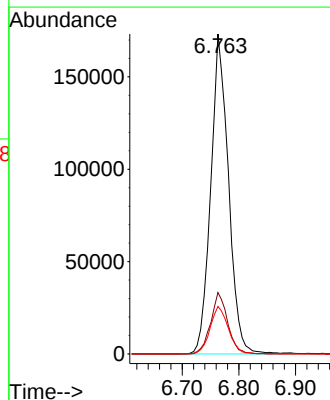
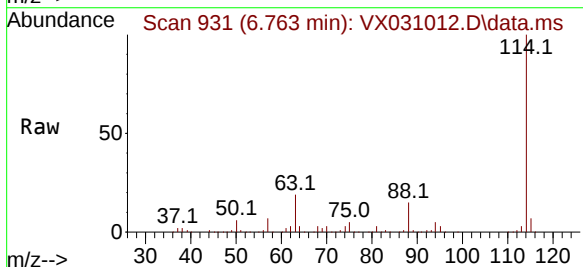
Tgt Ion: 114 Resp: 376078

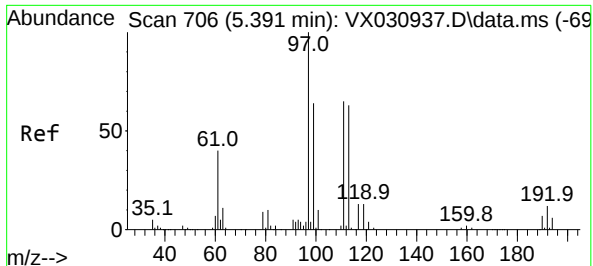
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 14.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.117 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX031012.D

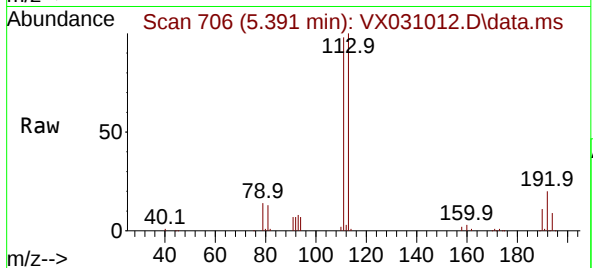
Acq: 01 Sep 2022 05:36

Instrument :

MSVOA_X

ClientSampleId :

OW-02B-18.7-23.7-083022



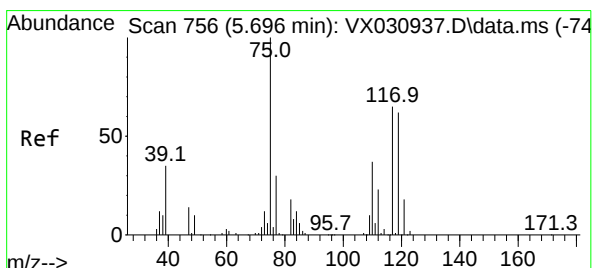
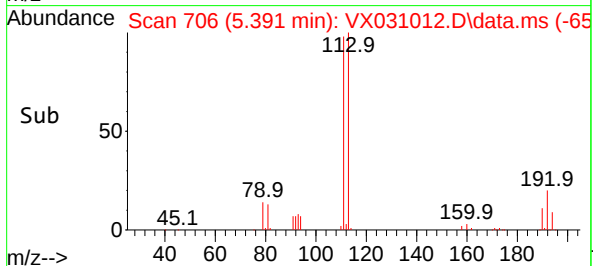
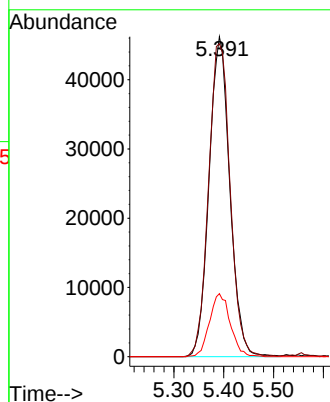
Tgt Ion:113 Resp: 133391

Ion Ratio Lower Upper

113 100

111 101.7 83.2 124.8

192 19.7 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.854 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX031012.D

Acq: 01 Sep 2022 05:36

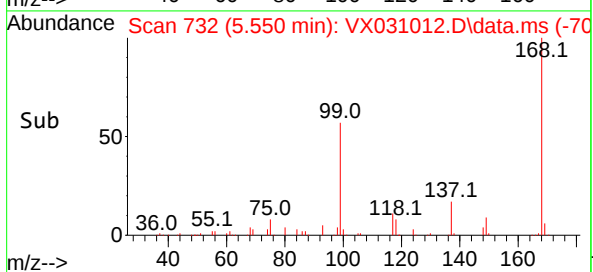
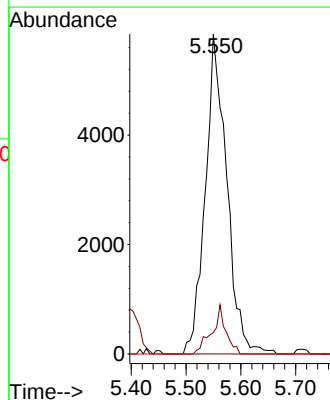
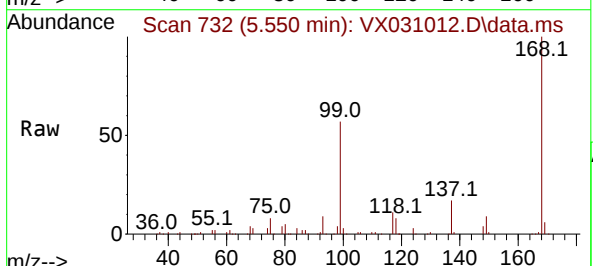
Tgt Ion: 75 Resp: 15880

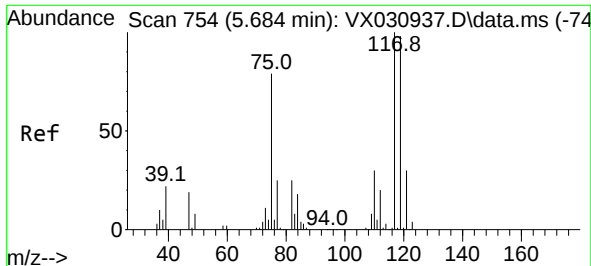
Ion Ratio Lower Upper

75 100

110 9.9 19.3 57.9#

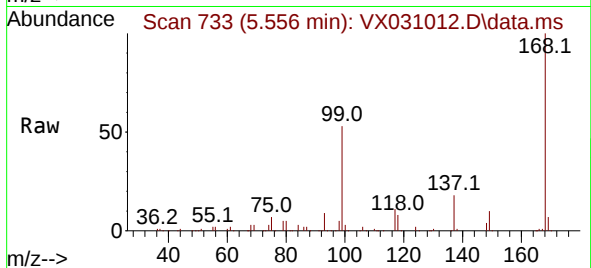
77 0.0 24.4 36.6#



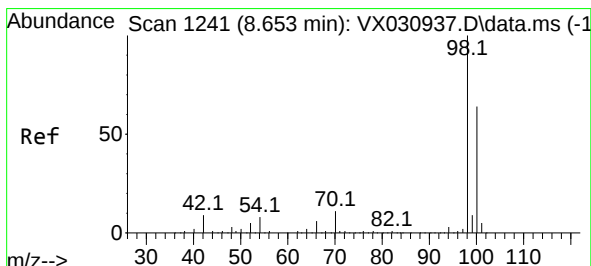
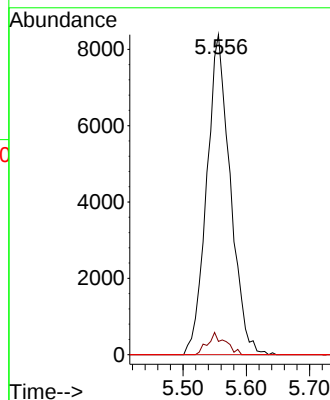
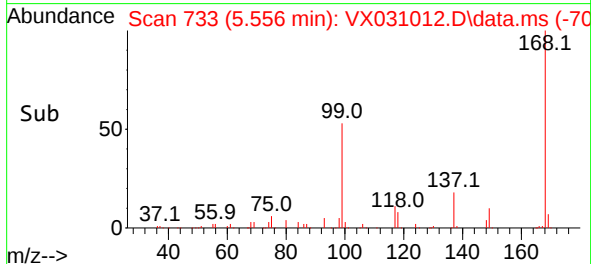


#38
Carbon Tetrachloride
Concen: 5.528 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031012.D
Acq: 01 Sep 2022 05:36

Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-083022

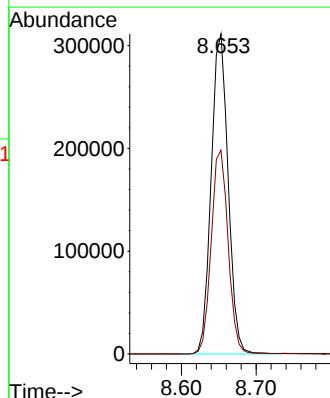
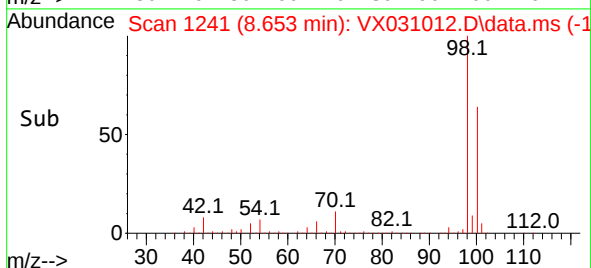
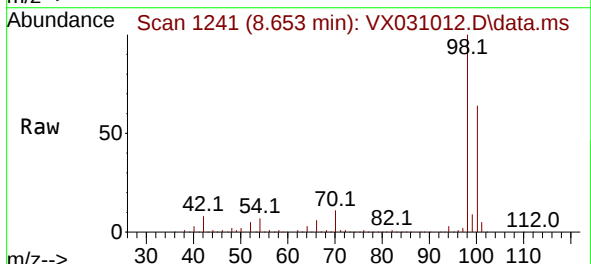


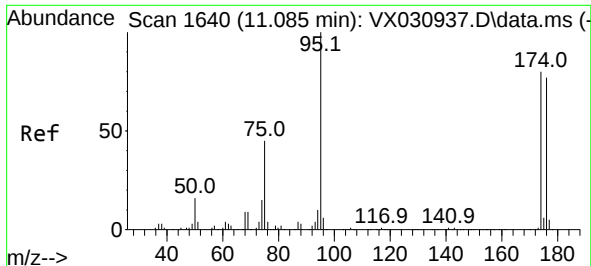
Tgt Ion:117 Resp: 21684
Ion Ratio Lower Upper
117 100
119 4.2 74.1 111.1#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 47.777 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031012.D
Acq: 01 Sep 2022 05:36

Tgt Ion: 98 Resp: 490513
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5

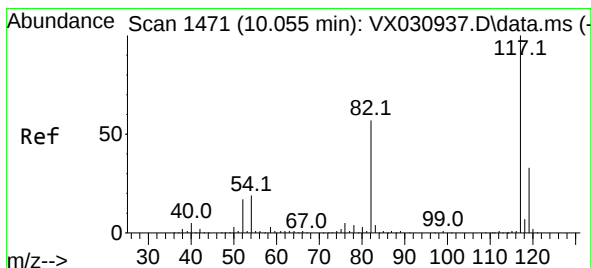
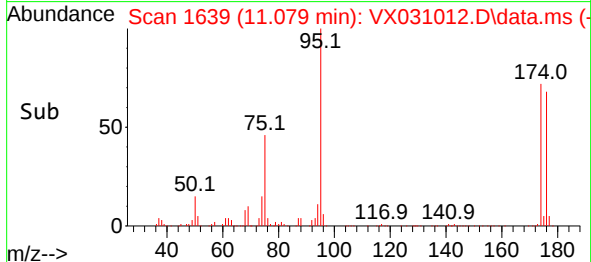
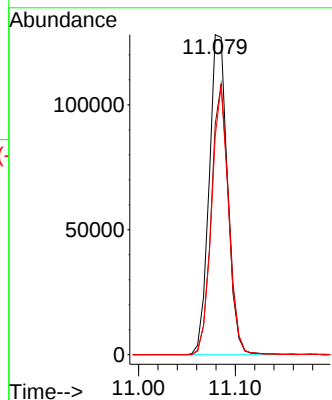
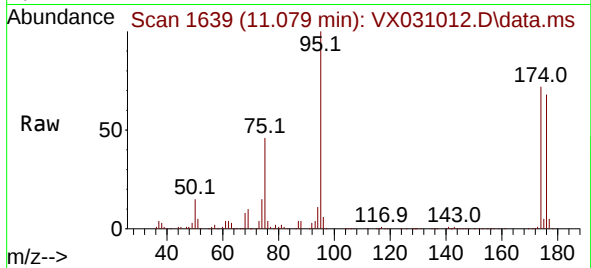




#62
4-Bromofluorobenzene
Concen: 46.128 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX031012.D
Acq: 01 Sep 2022 05:36

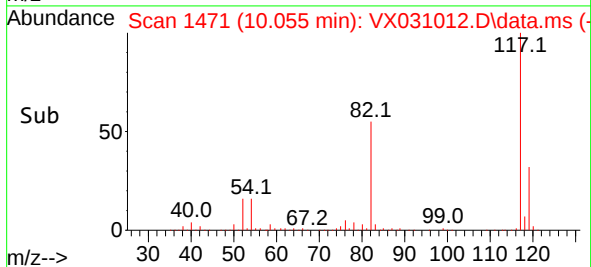
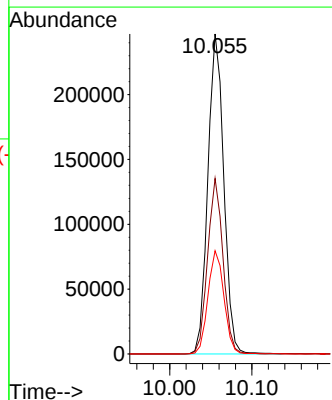
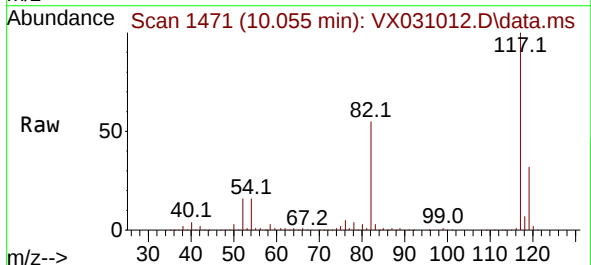
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-083022

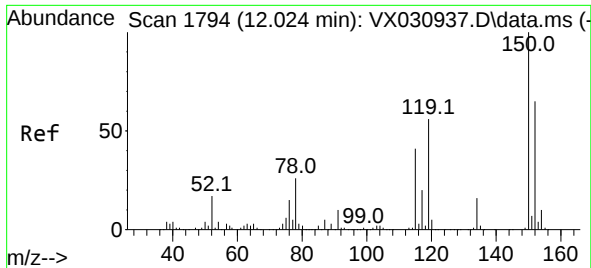
Tgt Ion: 95 Resp: 168644
Ion Ratio Lower Upper
95 100
174 80.5 0.0 149.0
176 77.7 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031012.D
Acq: 01 Sep 2022 05:36

Tgt Ion: 117 Resp: 331470
Ion Ratio Lower Upper
117 100
82 54.8 42.7 64.1
119 32.2 25.4 38.2

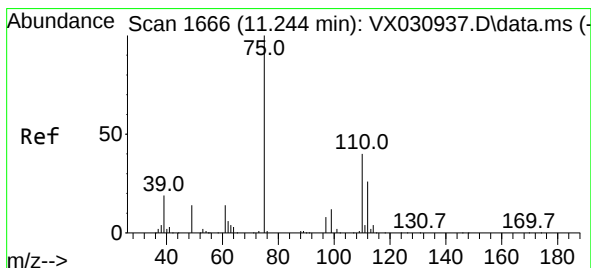
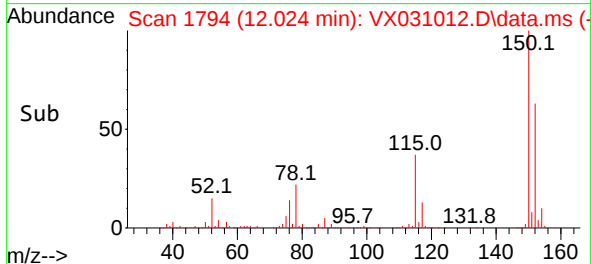
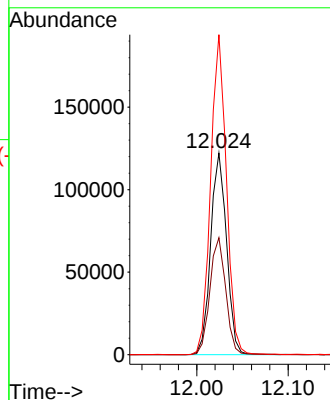
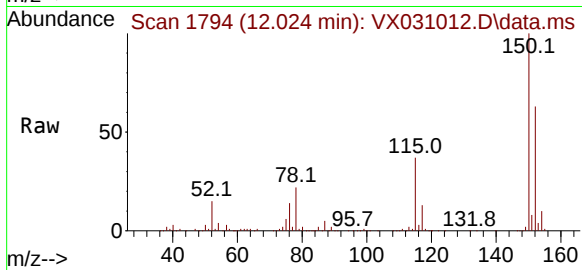




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031012.D
Acq: 01 Sep 2022 05:36

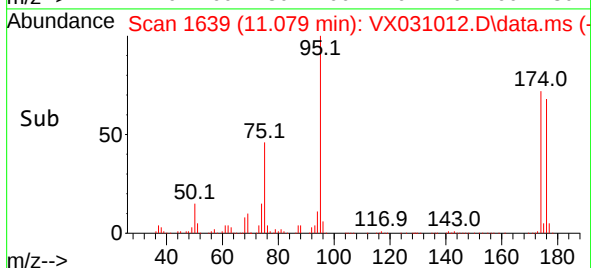
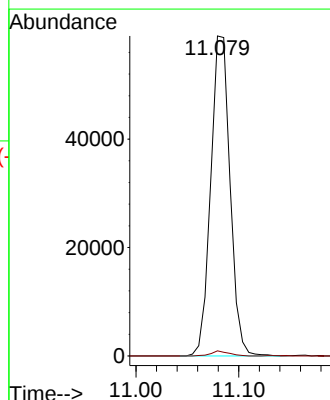
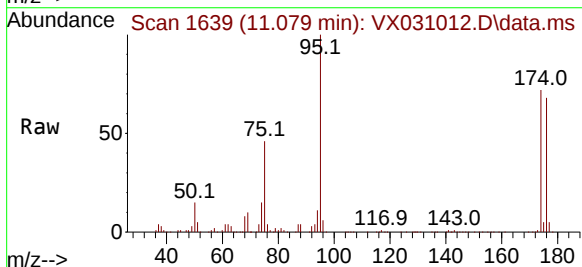
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-18.7-23.7-083022

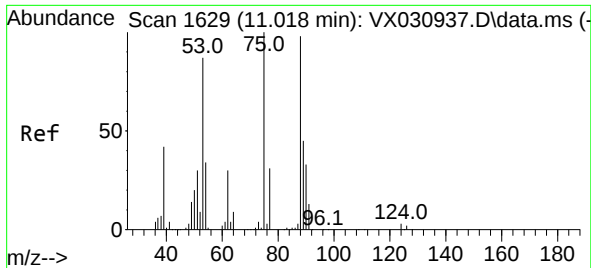
Tgt Ion:152 Resp: 147529
Ion Ratio Lower Upper
152 100
115 57.9 40.5 121.5
150 156.9 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 21.221 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031012.D
Acq: 01 Sep 2022 05:36

Tgt Ion: 75 Resp: 77076
Ion Ratio Lower Upper
75 100
77 1.5 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.094 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.055 min
 Lab File: VX031012.D
 Acq: 01 Sep 2022 05:36

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-02B-18.7-23.7-083022

Tgt Ion: 75 Resp: 77076
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

