

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022322\
 Data File : VX027153.D
 Acq On : 23 Feb 2022 18:09
 Operator : JC/MD
 Sample : N1648-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OF-2

Quant Time: Feb 24 03:32:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 13:06:57 2022
 Response via : Initial Calibration

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

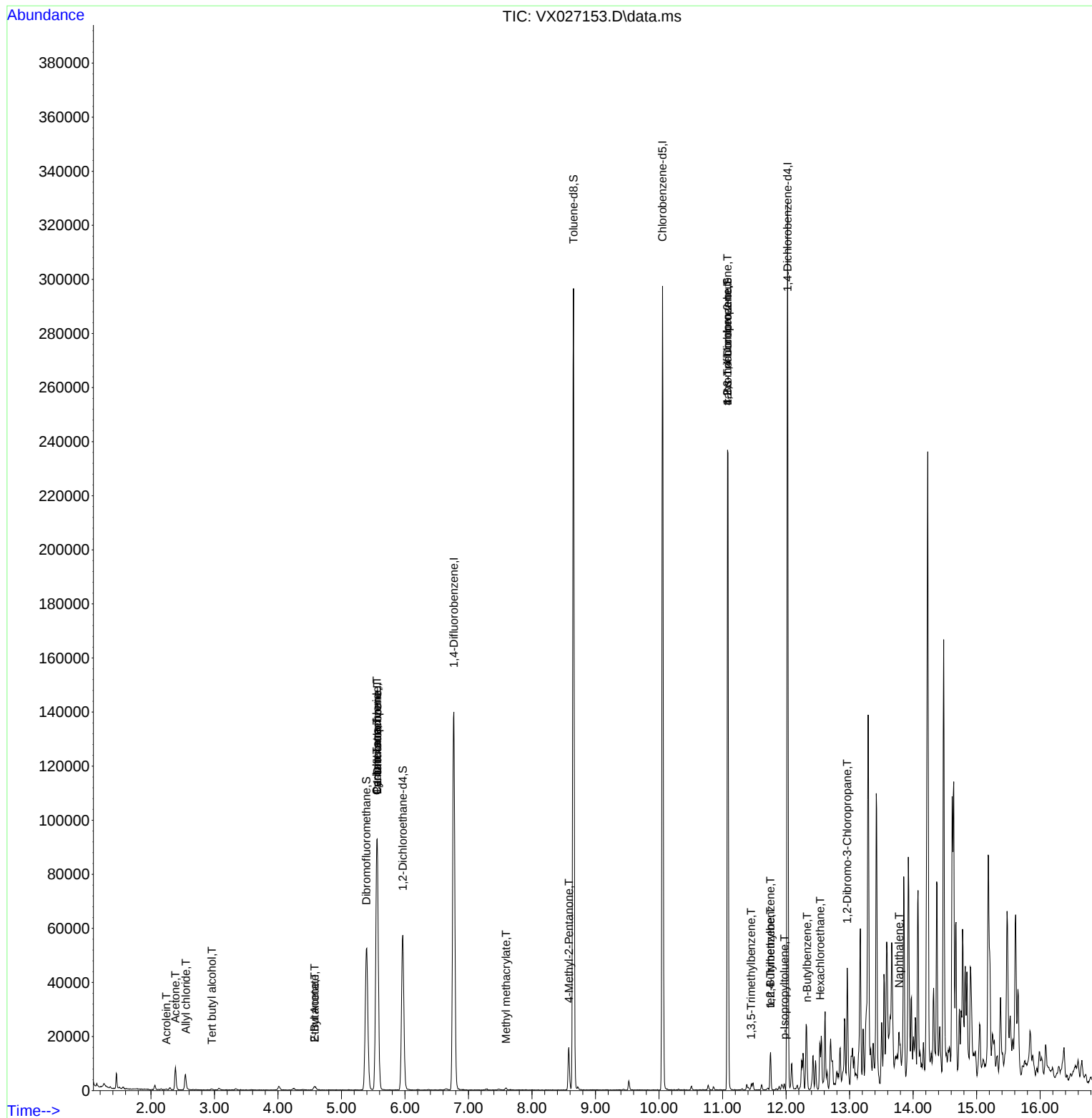
Internal Standards						
1) Pentafluorobenzene	5.562	168	92372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	149671	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	138111	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	54721	49.325	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.660%
35) Dibromofluoromethane	5.391	113	47129	50.729	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.460%
50) Toluene-d8	8.653	98	174648	50.276	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.560%
62) 4-Bromofluorobenzene	11.079	95	67381	50.533	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.060%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	78	Below Cal	#	2
11) Tert butyl alcohol	2.959	59	316	1.464	ug/l #	75
13) Acrolein	2.239	56	177	0.887	ug/l	94
14) Allyl chloride	2.550	41	521	0.329	ug/l #	66
16) Acetone	2.386	43	8471	17.391	ug/l	95
25) 2-Butanone	4.574	43	2262	2.916	ug/l	96
31) Cyclohexane	5.556	56	1677	1.009	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	6457	4.762	ug/l #	52
37) Ethyl Acetate	4.574	43	2262	1.519	ug/l #	69
38) Carbon Tetrachloride	5.556	117	8929	6.314	ug/l #	16
48) Methyl methacrylate	7.592	41	266	0.240	ug/l #	21
51) 4-Methyl-2-Pentanone	8.580	43	9496	6.380	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	32426	24.189	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	1196	0.299	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.079	75	32426	68.669	ug/l #	3
83) tert-Butylbenzene	11.756	119	792	0.203	ug/l #	69
84) 1,2,4-Trimethylbenzene	11.756	105	6348	1.594	ug/l	96
86) p-Isopropyltoluene	11.975	119	1201	0.289	ug/l	97
89) n-Butylbenzene	12.329	91	3887	1.117	ug/l #	33
90) Hexachloroethane	12.536	117	697	1.081	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	12.963	75	140	0.429	ug/l #	3
95) Naphthalene	13.780	128	10702	2.288	ug/l #	88

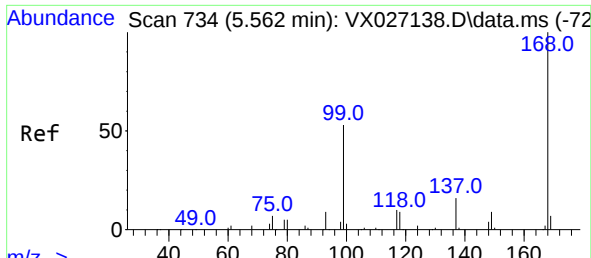
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022322\
Data File : VX027153.D
Acq On : 23 Feb 2022 18:09
Operator : JC/MD
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Instrument :
MSVOA_X
ClientSampleId :
OF-2

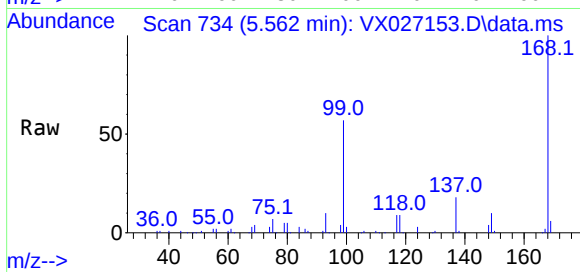
Quant Time: Feb 24 03:32:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 23 13:06:57 2022
Response via : Initial Calibration



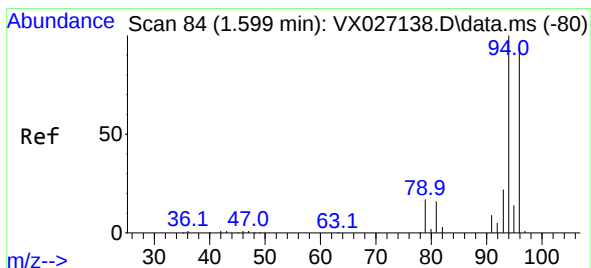
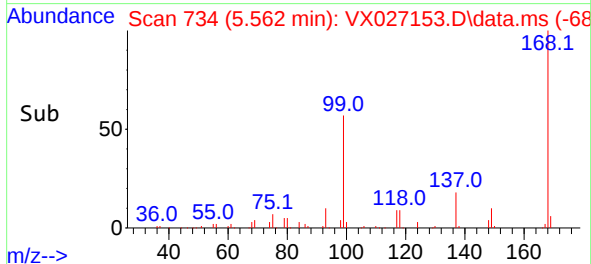
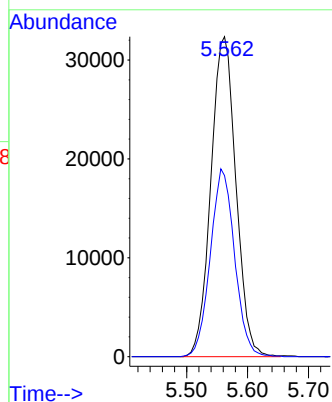


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027153.D
Acq: 23 Feb 2022 18:09

Instrument :
MSVOA_X
ClientSampleId :
OF-2

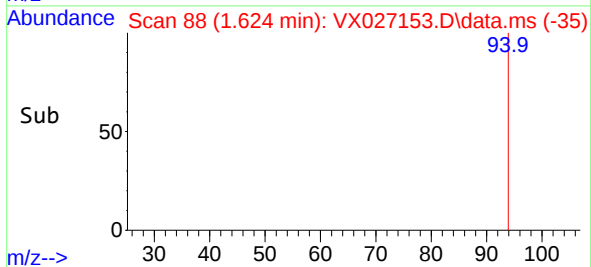
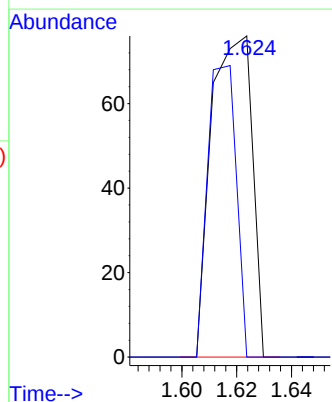
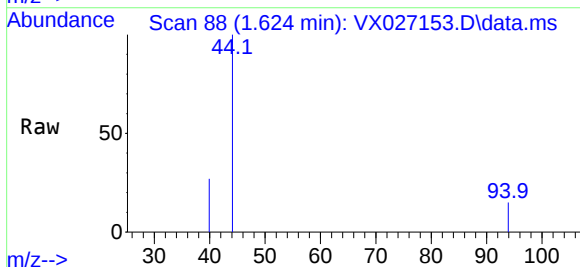


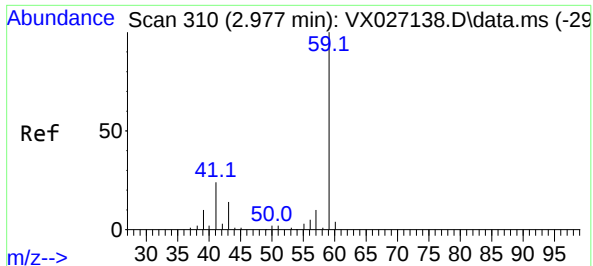
Tgt Ion:168 Resp: 92372
Ion Ratio Lower Upper
168 100
99 56.6 50.3 75.5



#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX027153.D
Acq: 23 Feb 2022 18:09

Tgt Ion: 94 Resp: 78
Ion Ratio Lower Upper
94 100
96 0.0 75.9 113.9#





#11

Tert butyl alcohol

Concen: 1.464 ug/l

RT: 2.959 min Scan# 30

Delta R.T. -0.018 min

Lab File: VX027153.D

Acq: 23 Feb 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

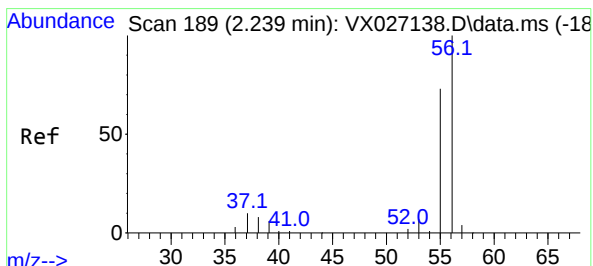
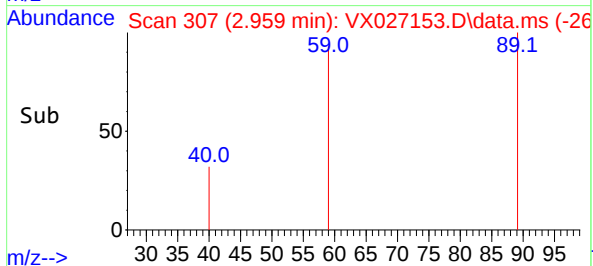
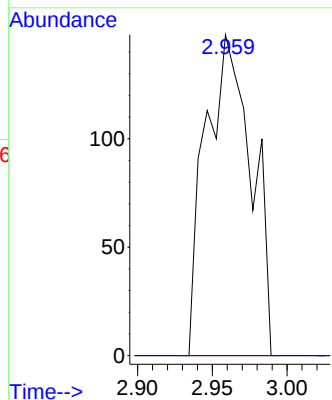
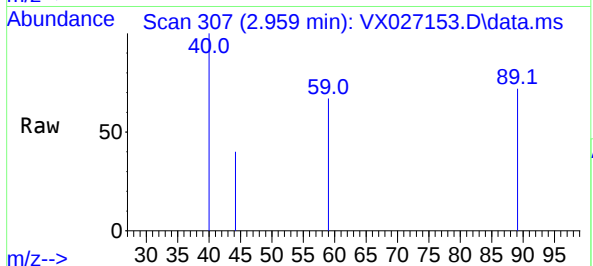
OF-2

Tgt Ion: 59 Resp: 316

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#13

Acrolein

Concen: 0.887 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX027153.D

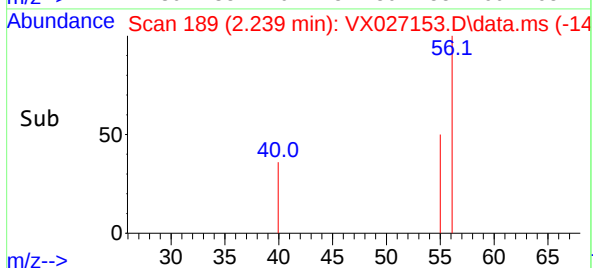
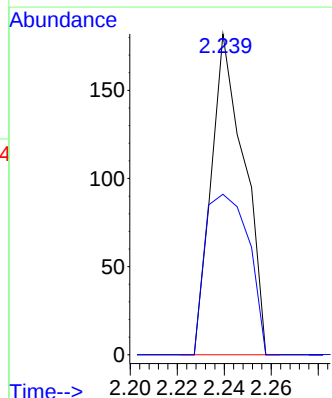
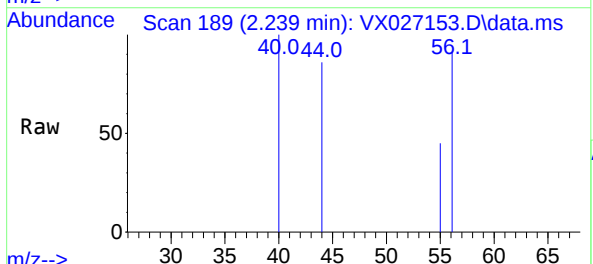
Acq: 23 Feb 2022 18:09

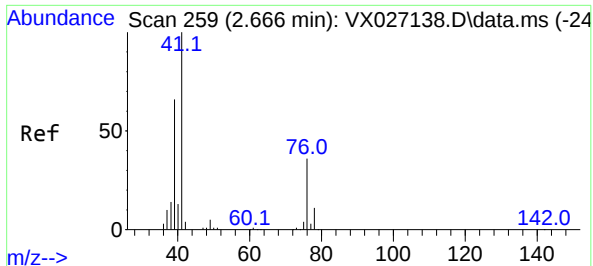
Tgt Ion: 56 Resp: 177

Ion Ratio Lower Upper

56 100

55 66.1 56.9 85.3





#14

Allyl chloride

Concen: 0.329 ug/l

RT: 2.550 min Scan# 24

Delta R.T. -0.116 min

Lab File: VX027153.D

Acq: 23 Feb 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

OF-2

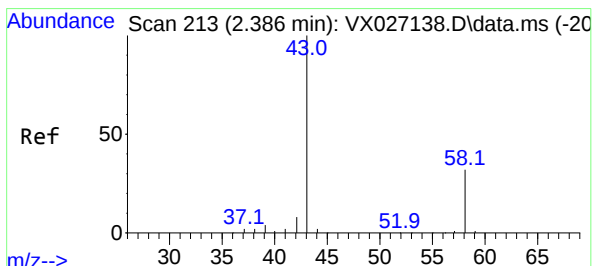
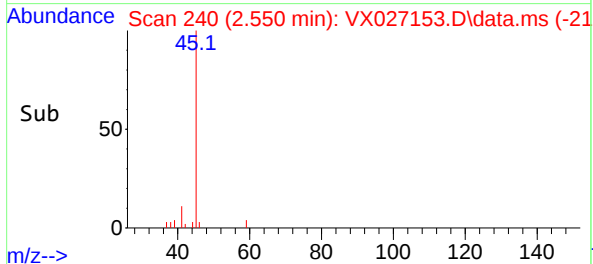
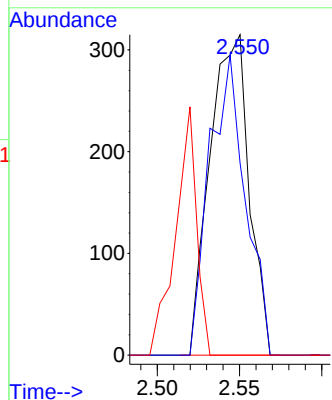
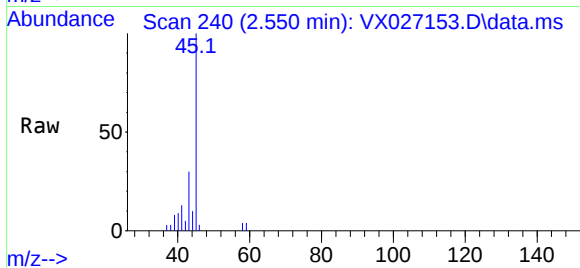
Tgt Ion: 41 Resp: 521

Ion Ratio Lower Upper

41 100

39 86.2 54.2 81.4#

76 0.0 25.2 37.8#



#16

Acetone

Concen: 17.391 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX027153.D

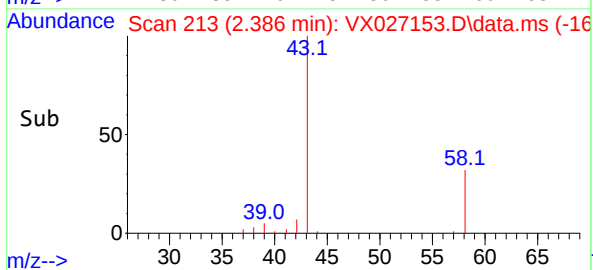
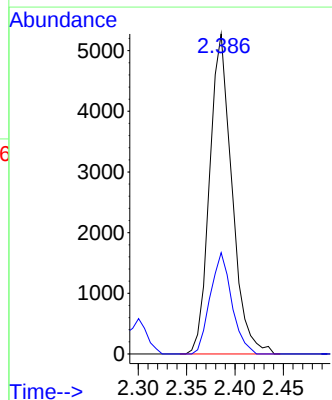
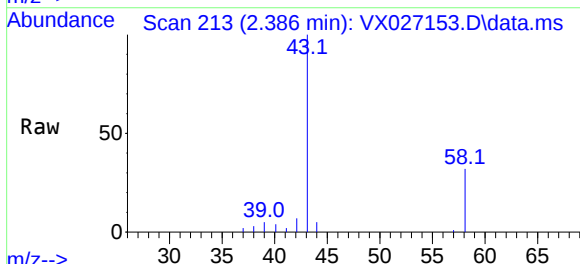
Acq: 23 Feb 2022 18:09

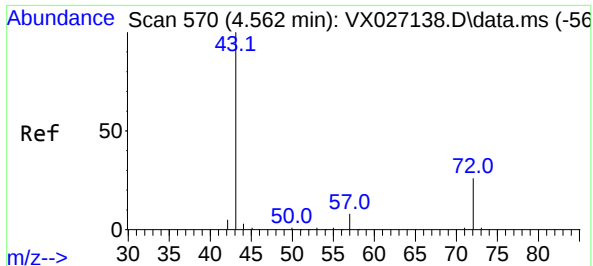
Tgt Ion: 43 Resp: 8471

Ion Ratio Lower Upper

43 100

58 31.6 23.0 34.6





#25

2-Butanone

Concen: 2.916 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX027153.D

Acq: 23 Feb 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

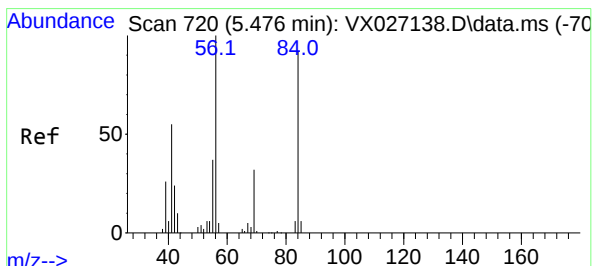
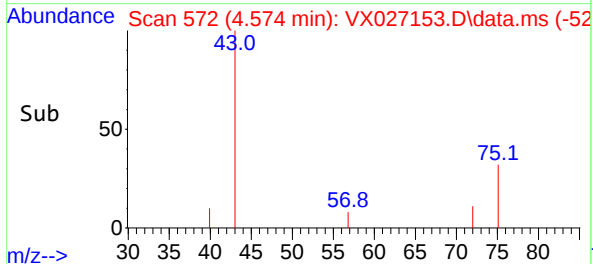
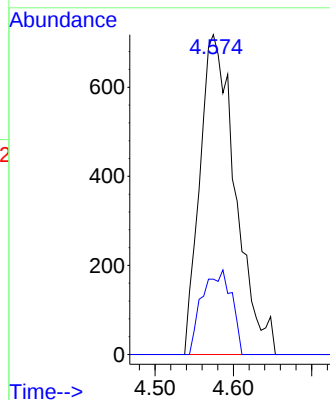
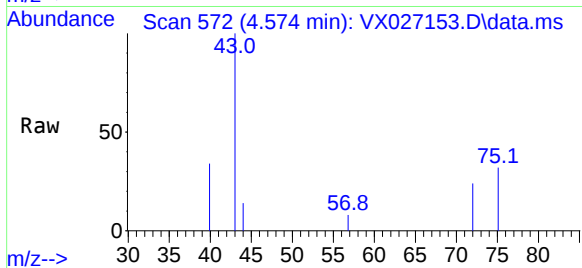
OF-2

Tgt Ion: 43 Resp: 2262

Ion Ratio Lower Upper

43 100

72 23.5 20.4 30.6



#31

Cyclohexane

Concen: 1.009 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.080 min

Lab File: VX027153.D

Acq: 23 Feb 2022 18:09

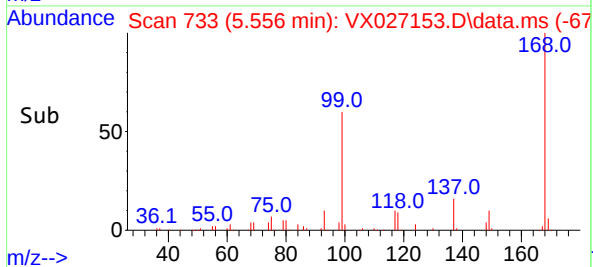
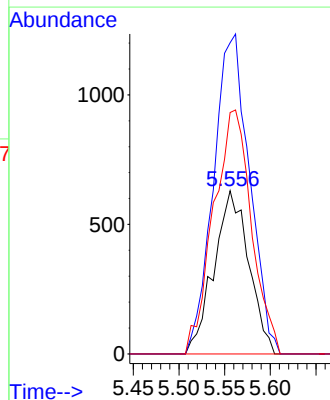
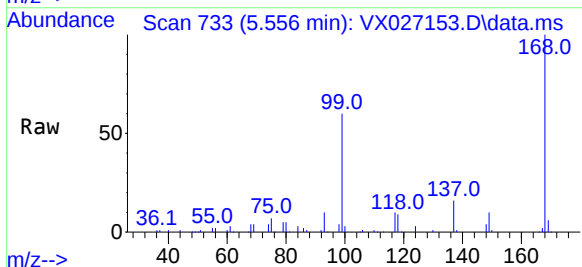
Tgt Ion: 56 Resp: 1677

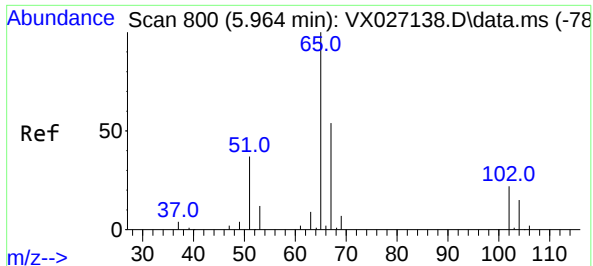
Ion Ratio Lower Upper

56 100

69 190.6 25.8 38.6#

84 147.9 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 49.325 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX027153.D

Acq: 23 Feb 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

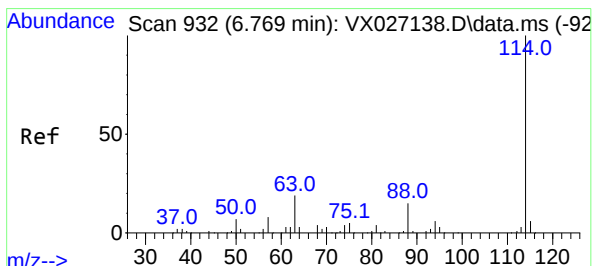
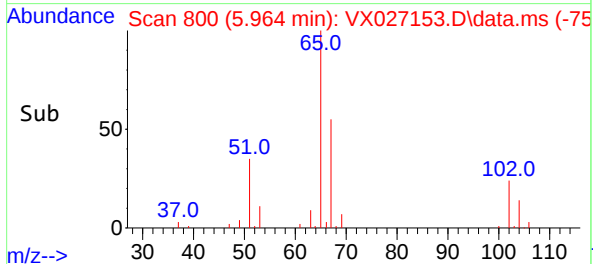
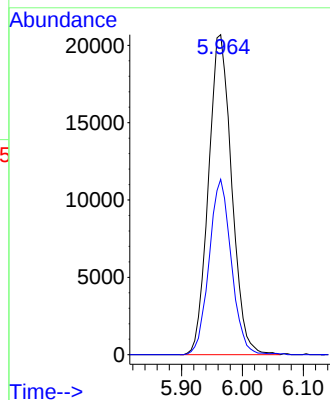
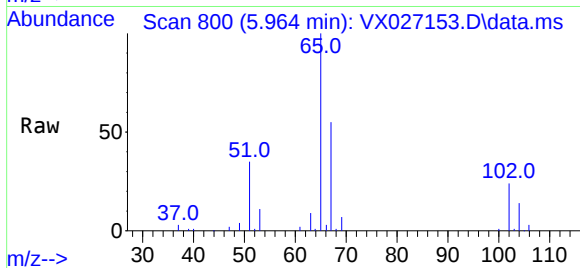
OF-2

Tgt Ion: 65 Resp: 54721

Ion Ratio Lower Upper

65 100

67 52.4 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX027153.D

Acq: 23 Feb 2022 18:09

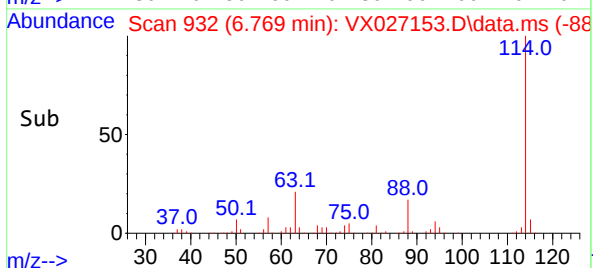
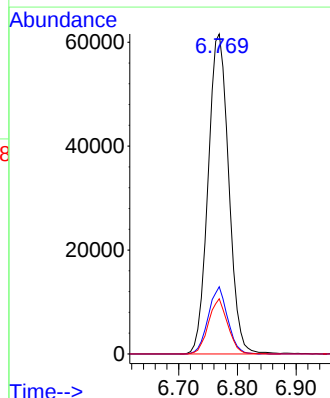
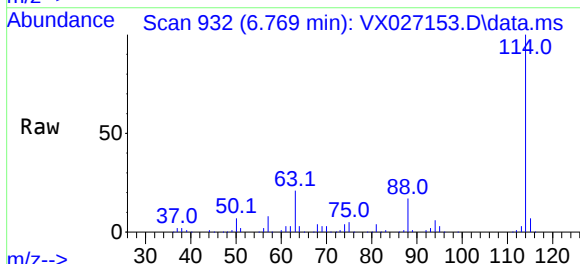
Tgt Ion: 114 Resp: 149671

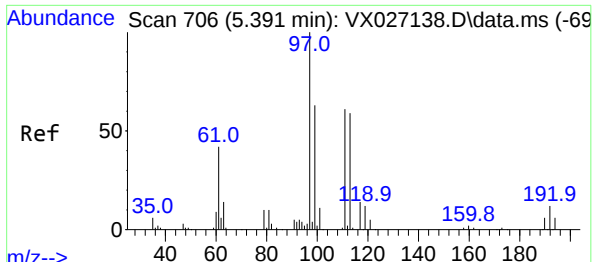
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.8

88 17.3 0.0 33.0

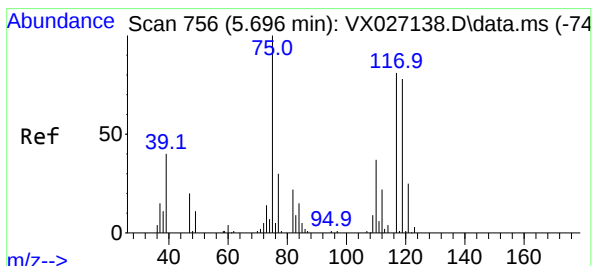
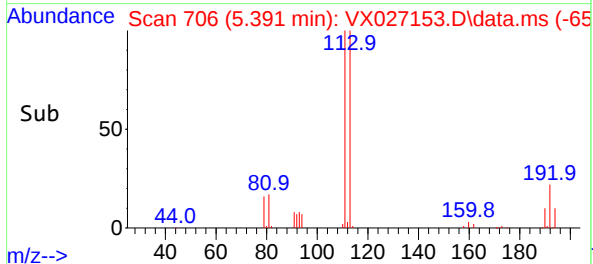
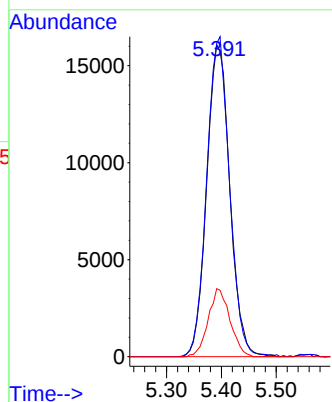
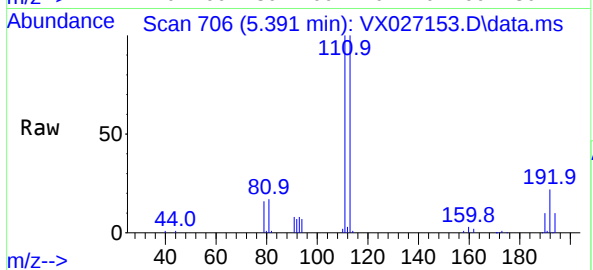




#35
Dibromofluoromethane
Concen: 50.729 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027153.D
Acq: 23 Feb 2022 18:09

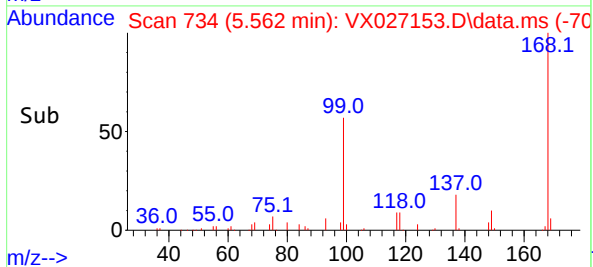
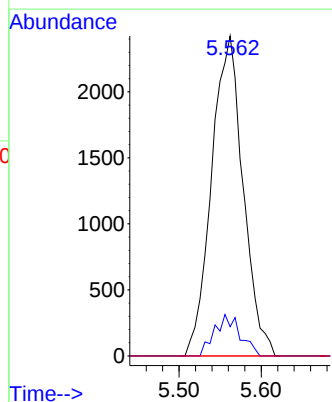
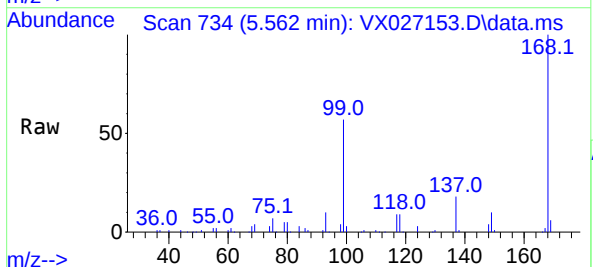
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OF-2

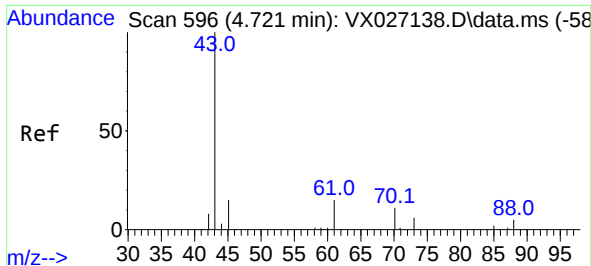
Tgt Ion:113 Resp: 47129
Ion Ratio Lower Upper
113 100
111 101.4 81.2 121.8
192 20.5 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.762 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX027153.D
Acq: 23 Feb 2022 18:09

Tgt Ion: 75 Resp: 6457
Ion Ratio Lower Upper
75 100
110 10.5 17.2 51.6#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.519 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.147 min

Lab File: VX027153.D

Acq: 23 Feb 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

OF-2

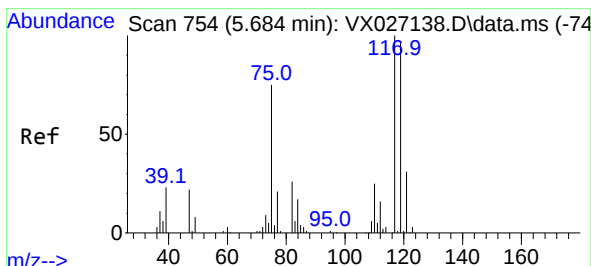
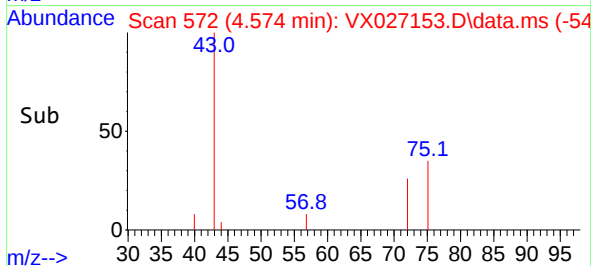
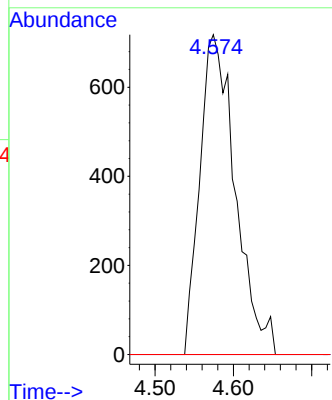
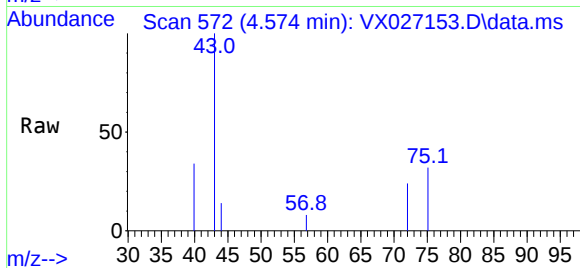
Tgt Ion: 43 Resp: 2262

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 6.314 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX027153.D

Acq: 23 Feb 2022 18:09

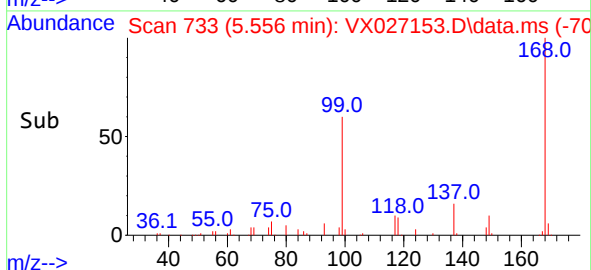
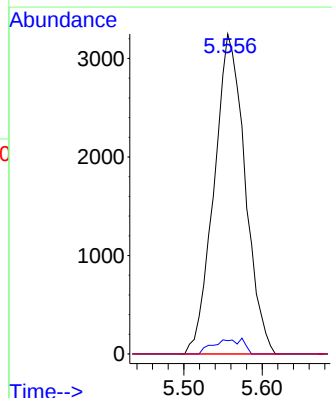
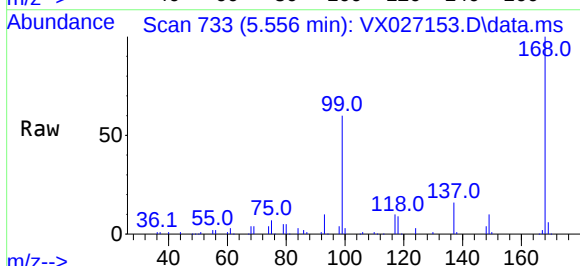
Tgt Ion: 117 Resp: 8929

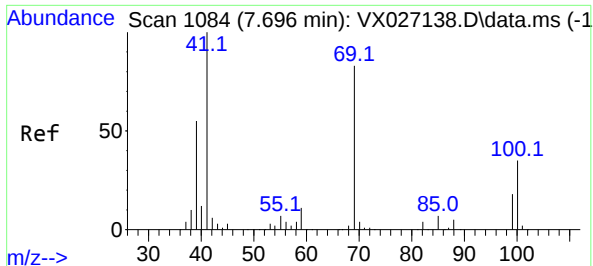
Ion Ratio Lower Upper

117 100

119 4.2 74.7 112.1#

121 0.0 25.4 38.0#





#48

Methyl methacrylate

Concen: 0.240 ug/l

RT: 7.592 min Scan# 1067

Delta R.T. -0.104 min

Lab File: VX027153.D

Acq: 23 Feb 2022 18:09

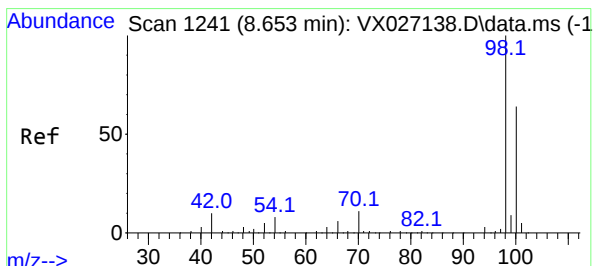
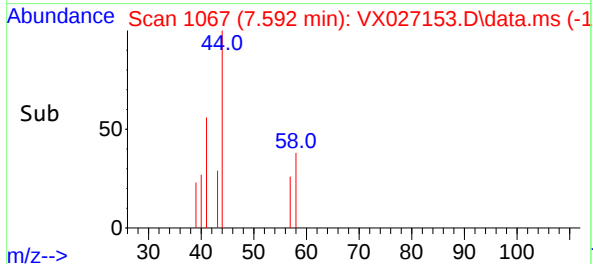
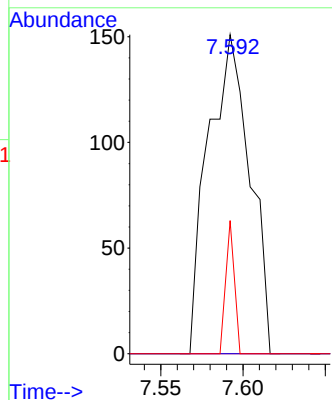
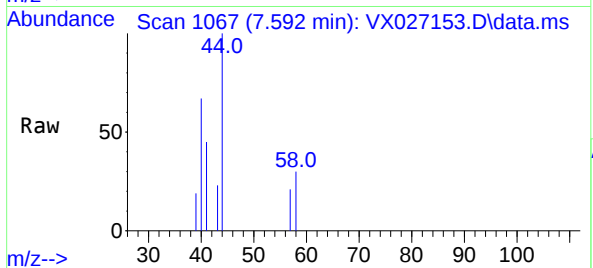
Instrument :

MSVOA_X

ClientSampleId :

OF-2

Tgt Ion:	41	Resp:	266
Ion	Ratio	Lower	Upper
41	100		
69	0.0	62.2	93.4#
39	8.6	45.4	68.0#



#50

Toluene-d8

Concen: 50.276 ug/l

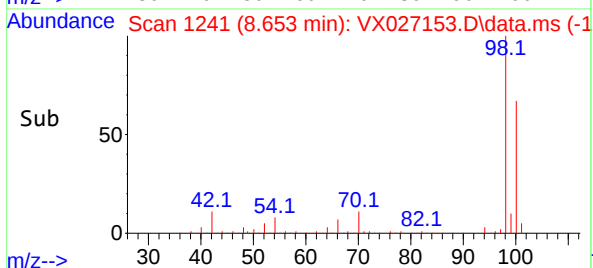
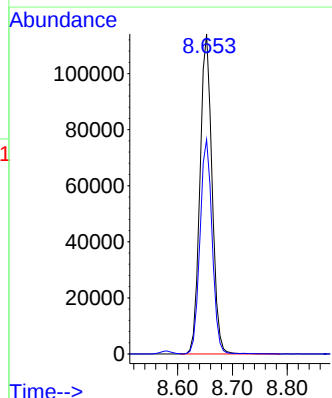
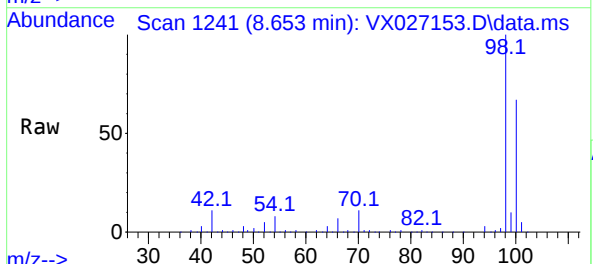
RT: 8.653 min Scan# 1241

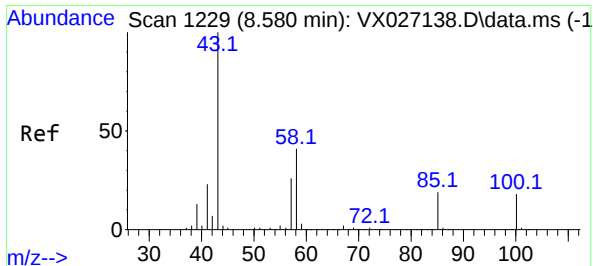
Delta R.T. -0.000 min

Lab File: VX027153.D

Acq: 23 Feb 2022 18:09

Tgt Ion:	98	Resp:	174648
Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.2	79.8

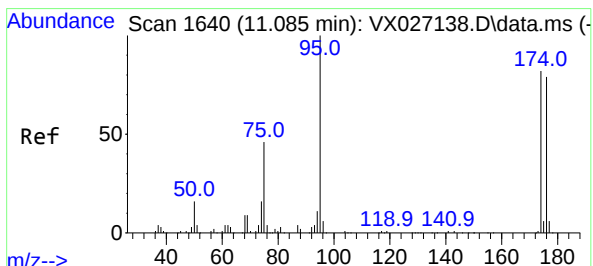
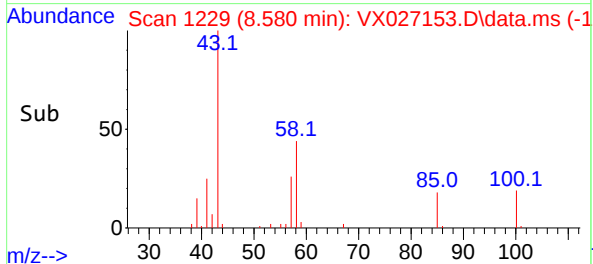
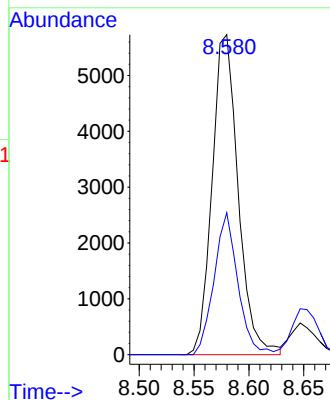
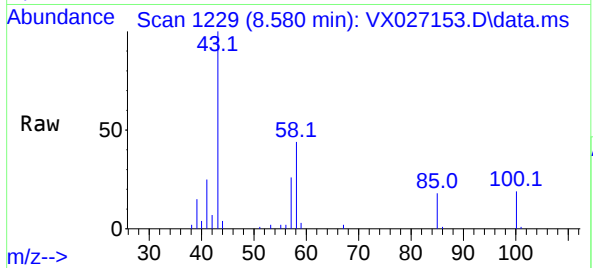




#51
4-Methyl-2-Pentanone
Concen: 6.380 ug/l
RT: 8.580 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027153.D
Acq: 23 Feb 2022 18:09

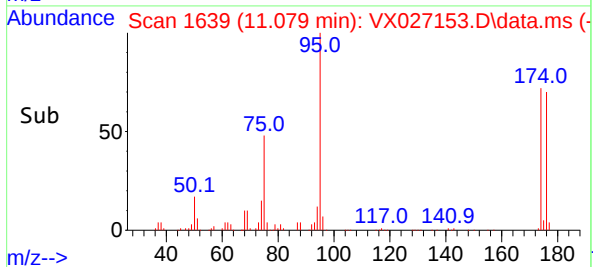
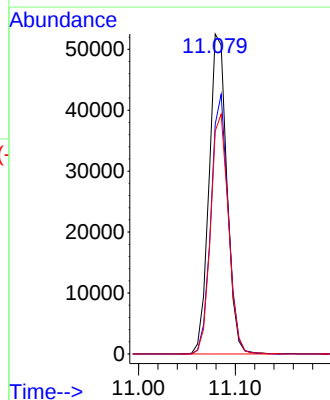
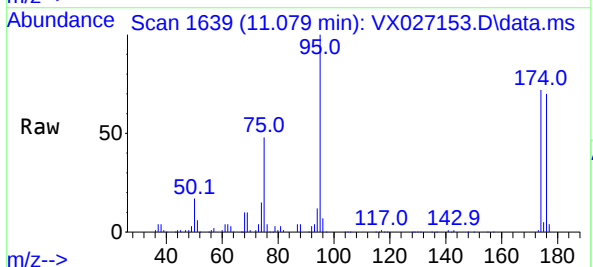
Instrument :
MSVOA_X
ClientSampleId :
OF-2

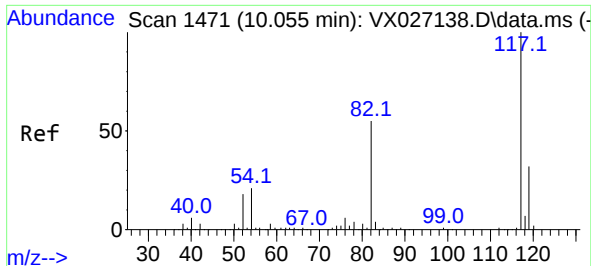
Tgt Ion: 43 Resp: 9496
Ion Ratio Lower Upper
43 100
58 40.5 30.5 45.7



#62
4-Bromofluorobenzene
Concen: 50.533 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX027153.D
Acq: 23 Feb 2022 18:09

Tgt Ion: 95 Resp: 67381
Ion Ratio Lower Upper
95 100
174 78.3 0.0 148.6
176 74.7 0.0 141.4

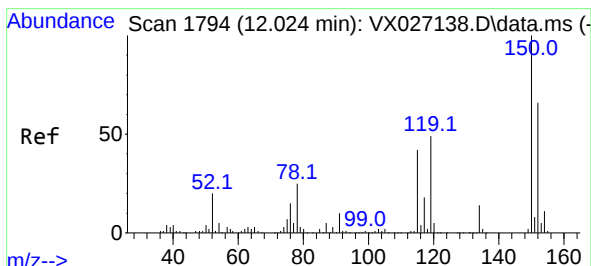
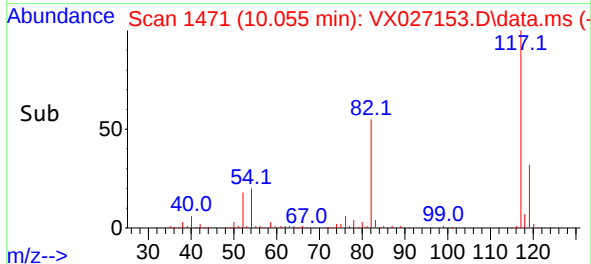
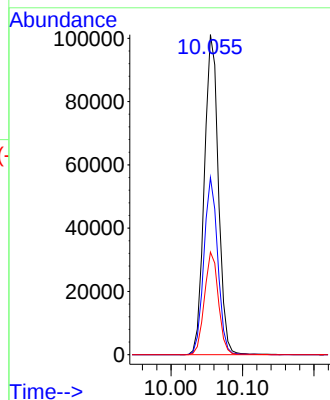
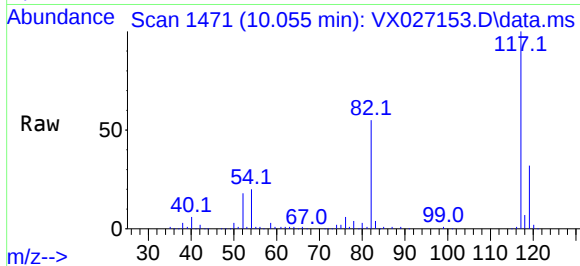




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027153.D
Acq: 23 Feb 2022 18:09

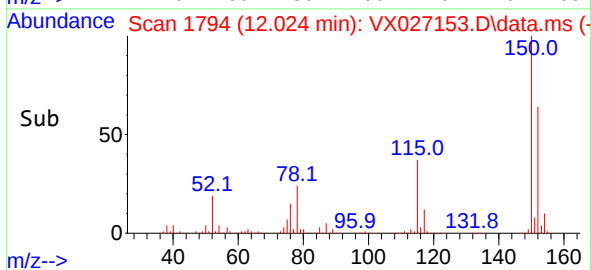
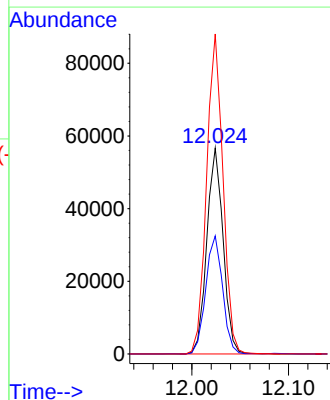
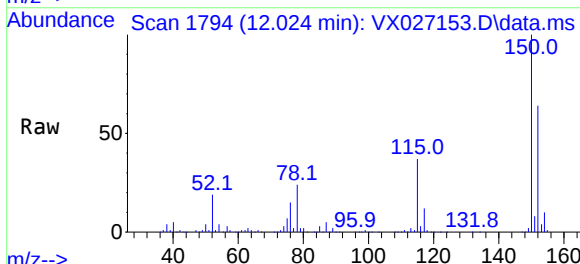
Instrument :
MSVOA_X
ClientSampleId :
OF-2

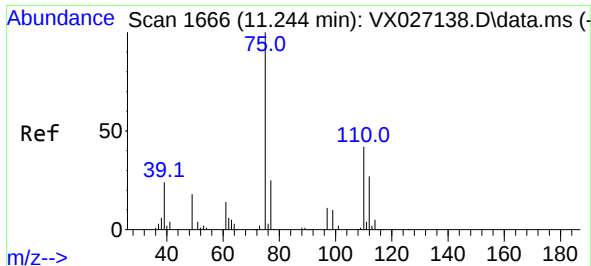
Tgt Ion:117 Resp: 138111
Ion Ratio Lower Upper
117 100
82 55.4 45.2 67.8
119 32.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027153.D
Acq: 23 Feb 2022 18:09

Tgt Ion:152 Resp: 66553
Ion Ratio Lower Upper
152 100
115 59.4 44.2 132.6
150 156.0 0.0 348.2

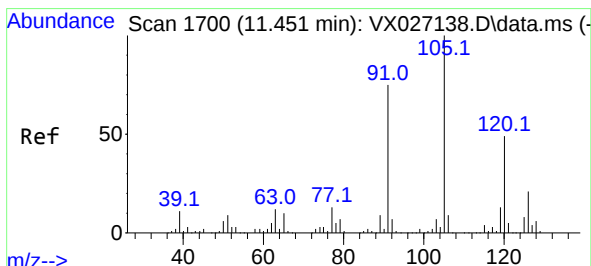
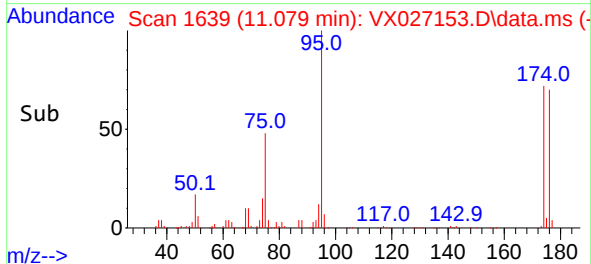
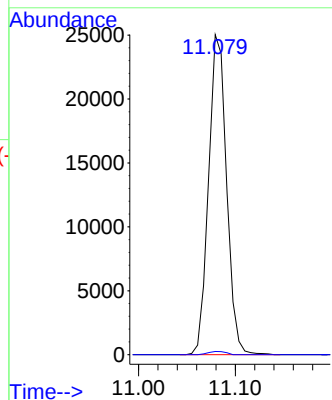
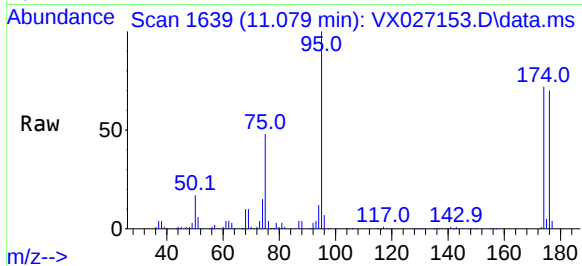




#76
1,2,3-Trichloropropane
Concen: 24.189 ug/l
RT: 11.079 min Scan# 110
Delta R.T. -0.165 min
Lab File: VX027153.D
Acq: 23 Feb 2022 18:09

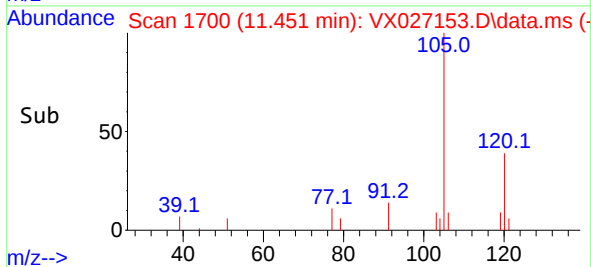
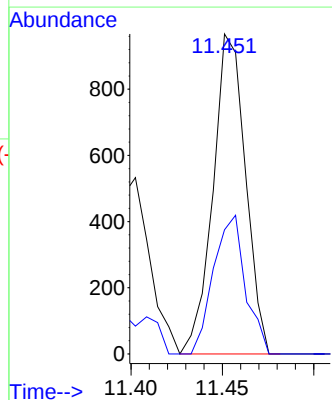
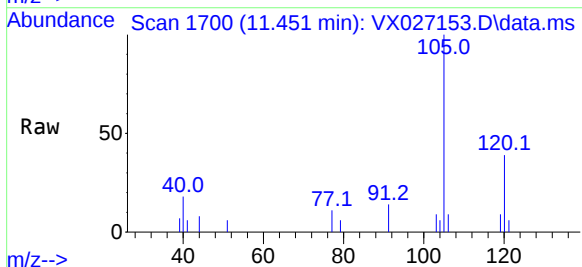
Instrument :
MSVOA_X
ClientSampleId :
OF-2

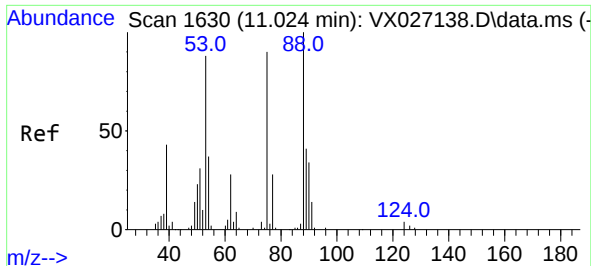
Tgt Ion: 75 Resp: 32426
Ion Ratio Lower Upper
75 100
77 1.0 18.3 54.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.299 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX027153.D
Acq: 23 Feb 2022 18:09

Tgt Ion:105 Resp: 1196
Ion Ratio Lower Upper
105 100
120 42.6 24.0 72.0

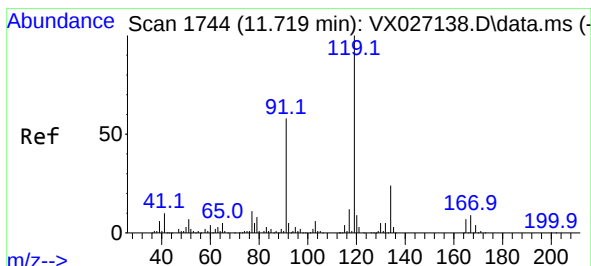
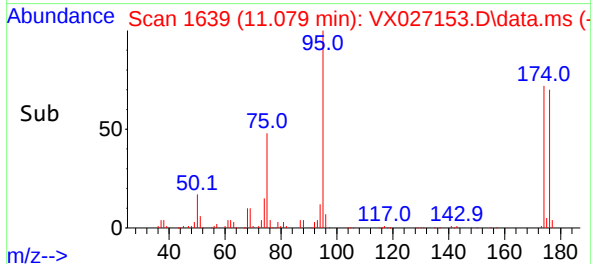
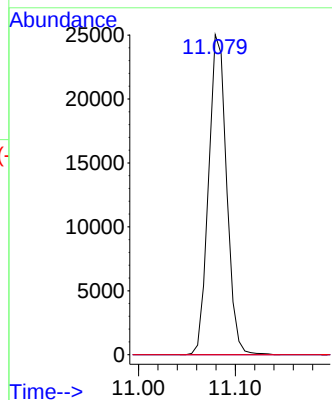
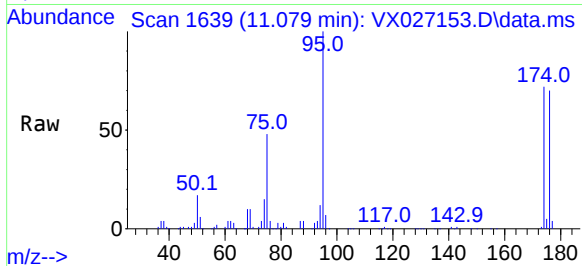




#81
trans-1,4-Dichloro-2-butene
Concen: 68.669 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.055 min
Lab File: VX027153.D
Acq: 23 Feb 2022 18:09

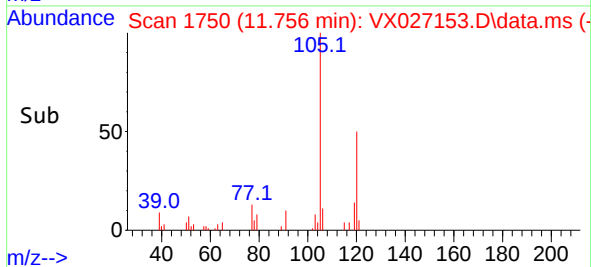
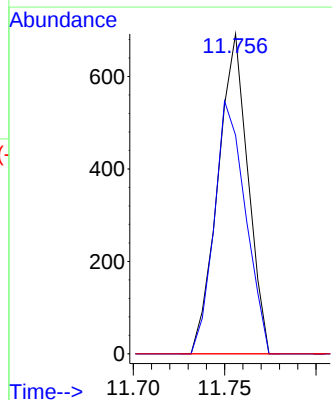
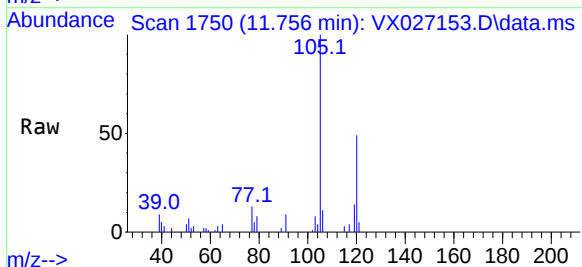
Instrument :
MSVOA_X
ClientSampleId :
OF-2

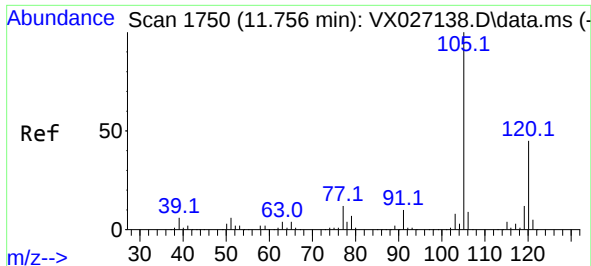
Tgt Ion: 75 Resp: 32426
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



#83
tert-Butylbenzene
Concen: 0.203 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.037 min
Lab File: VX027153.D
Acq: 23 Feb 2022 18:09

Tgt Ion: 119 Resp: 792
Ion Ratio Lower Upper
119 100
91 82.2 31.4 94.0
134 0.0 11.8 35.3#

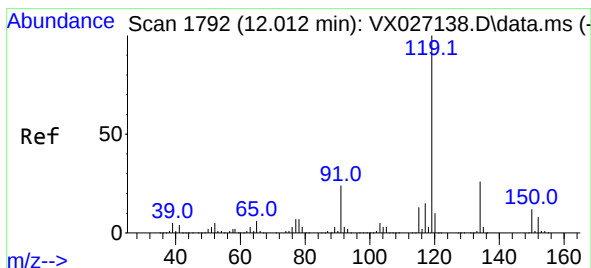
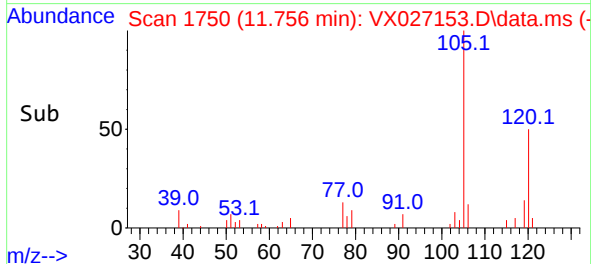
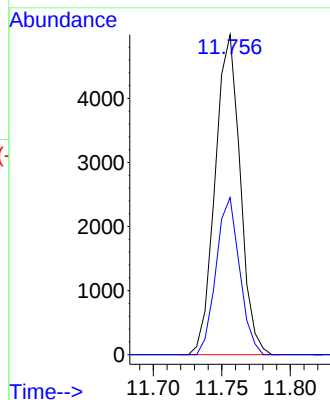
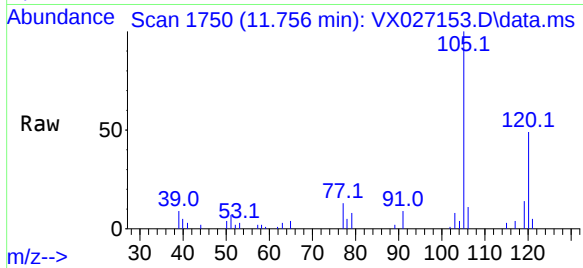




#84
1,2,4-Trimethylbenzene
Concen: 1.594 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX027153.D
Acq: 23 Feb 2022 18:09

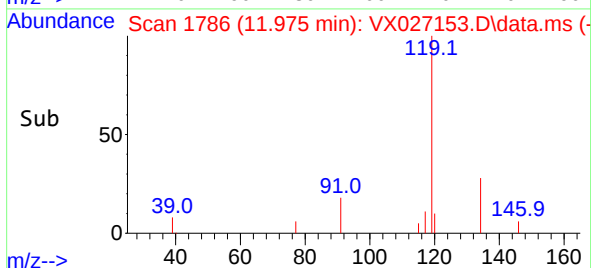
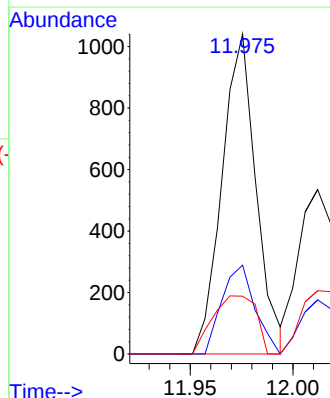
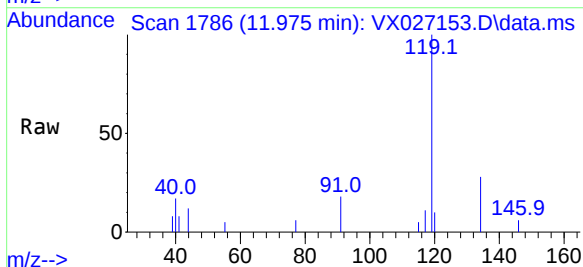
Instrument :
MSVOA_X
ClientSampleId :
OF-2

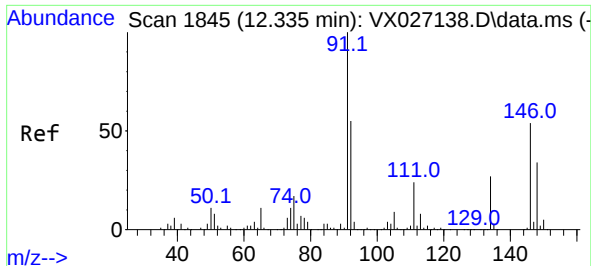
Tgt Ion:105 Resp: 6348
Ion Ratio Lower Upper
105 100
120 46.0 21.9 65.5



#86
p-Isopropyltoluene
Concen: 0.289 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.037 min
Lab File: VX027153.D
Acq: 23 Feb 2022 18:09

Tgt Ion:119 Resp: 1201
Ion Ratio Lower Upper
119 100
134 26.9 13.0 39.0
91 23.1 12.6 37.6





#89

n-Butylbenzene

Concen: 1.117 ug/l

RT: 12.329 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX027153.D

Acq: 23 Feb 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

OF-2

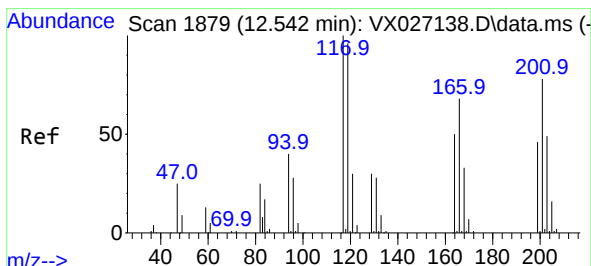
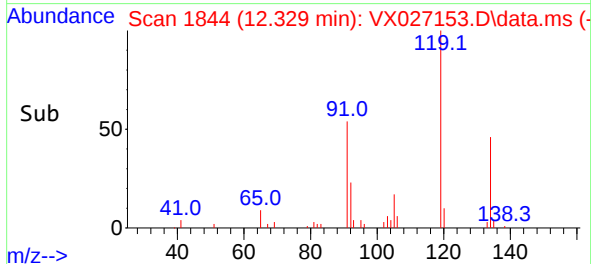
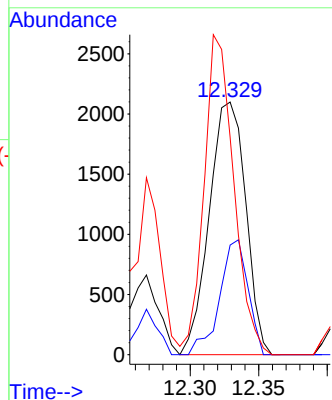
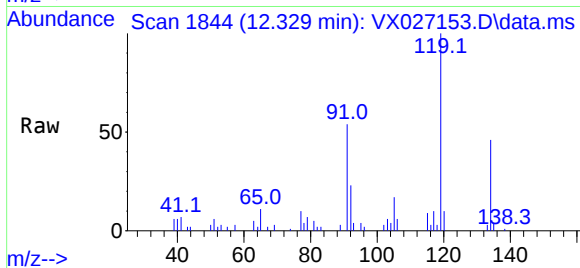
Tgt Ion: 91 Resp: 3887

Ion Ratio Lower Upper

91 100

92 35.4 27.2 81.6

134 103.1 13.1 39.1#



#90

Hexachloroethane

Concen: 1.081 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VX027153.D

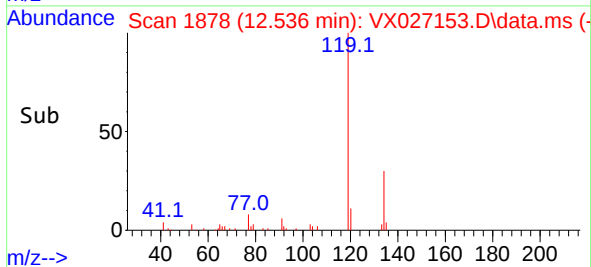
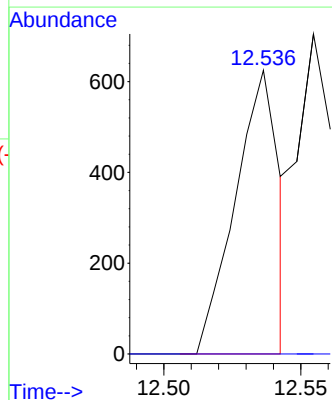
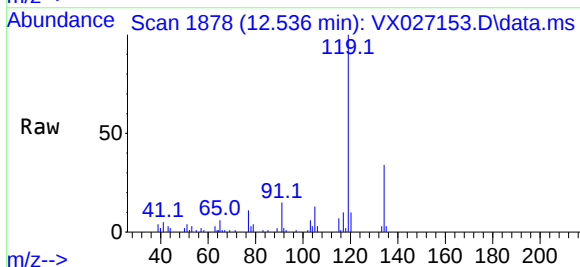
Acq: 23 Feb 2022 18:09

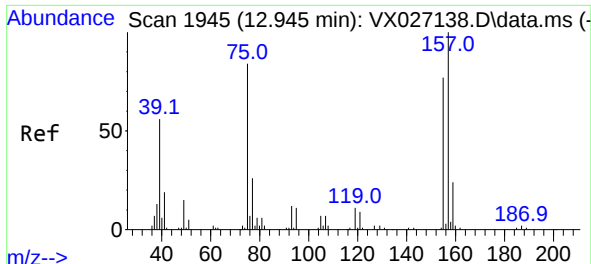
Tgt Ion: 117 Resp: 697

Ion Ratio Lower Upper

117 100

201 0.0 35.6 106.8#

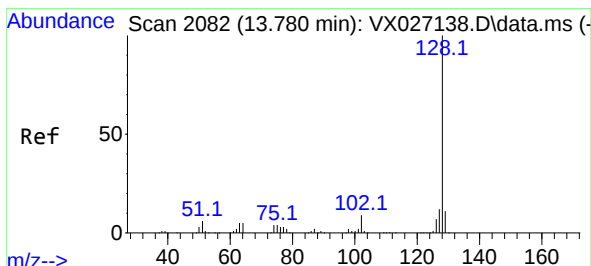
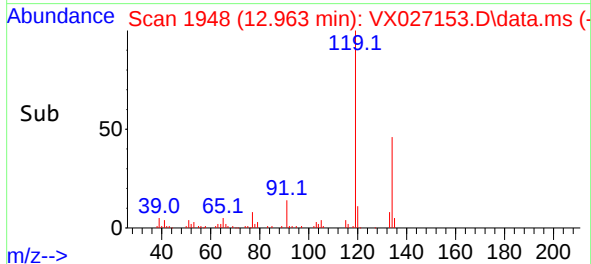
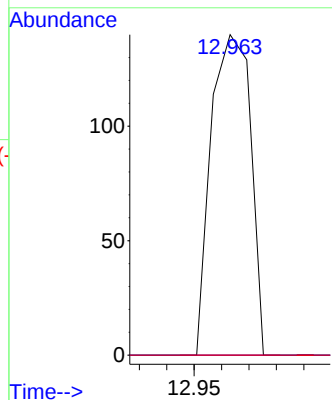
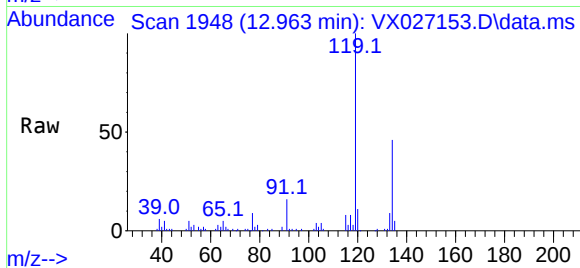




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.429 ug/l
RT: 12.963 min Scan# 1948
Delta R.T. 0.018 min
Lab File: VX027153.D
Acq: 23 Feb 2022 18:09

Instrument :
MSVOA_X
ClientSampleId :
OF-2

Tgt Ion: 75 Resp: 140
Ion Ratio Lower Upper
75 100
155 0.0 40.0 119.9#
157 0.0 51.6 154.8#



#95
Naphthalene
Concen: 2.288 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX027153.D
Acq: 23 Feb 2022 18:09

Tgt Ion: 128 Resp: 10702
Ion Ratio Lower Upper
128 100
127 15.4 10.3 15.5
129 17.8 8.7 13.1#

