

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070821\
 Data File : VX023197.D
 Acq On : 08 Jul 2021 14:18
 Operator : JC/MD
 Sample : M2953-02DL 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 09 02:10:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

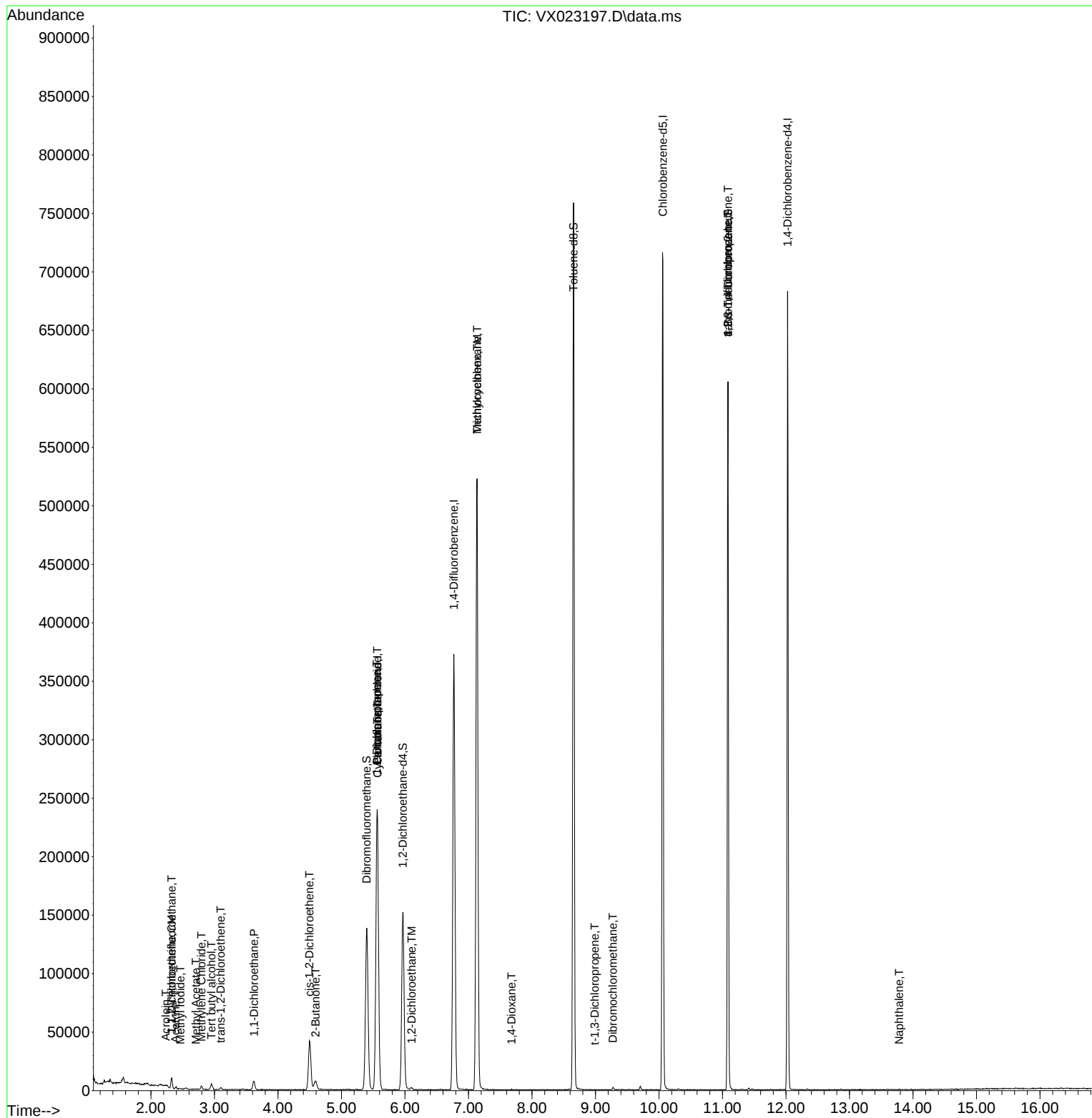
Internal Standards						
1) Pentafluorobenzene	5.562	168	224954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	368950	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	329695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	154727	51.177	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.360%	
35) Dibromofluoromethane	5.397	113	118532	49.751	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.500%	
50) Toluene-d8	8.653	98	441554	49.683	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.360%	
62) 4-Bromofluorobenzene	11.085	95	156584	45.638	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.280%	
Target Compounds						Qvalue
5) Bromomethane	1.618	94	649	Below Cal		100
9) 1,1,2-Trichlorotrifluo...	2.325	101	579	0.266 ug/l	#	82
10) Methyl Iodide	2.465	142	567	0.213 ug/l	#	82
11) Tert butyl alcohol	2.953	59	2915	4.583 ug/l	#	75
12) 1,1-Dichloroethene	2.325	96	2544	1.269 ug/l		86
13) Acrolein	2.233	56	103	0.243 ug/l	#	1
16) Acetone	2.386	43	1493	1.248 ug/l		89
18) Methyl Acetate	2.709	43	590	0.203 ug/l	#	47
20) Methylene Chloride	2.794	84	1263	0.490 ug/l	#	88
21) trans-1,2-Dichloroethene	3.099	96	772	0.356 ug/l	#	68
24) 1,1-Dichloroethane	3.623	63	8669	2.089 ug/l		96
25) 2-Butanone	4.593	43	775	0.430 ug/l	#	45
27) cis-1,2-Dichloroethene	4.495	96	26207	9.991 ug/l		93
31) Cyclohexane	5.568	56	4730	1.307 ug/l	#	32
36) 1,1-Dichloropropene	5.556	75	17542	5.333 ug/l	#	50
38) Carbon Tetrachloride	5.562	117	23864	6.951 ug/l	#	15
39) Methylcyclohexane	7.135	83	2388	0.621 ug/l	#	1
42) 1,2-Dichloroethane	6.105	62	1767	0.460 ug/l	#	73
44) Trichloroethene	7.135	130	200078	73.858 ug/l		98
49) 1,4-Dioxane	7.678	88	112	1.699 ug/l	#	74
53) t-1,3-Dichloropropene	8.988	75	46	2.747 ug/l	#	44
60) Dibromochloromethane	9.275	129	347	3.225 ug/l	#	11
76) 1,2,3-Trichloropropane	11.085	75	81524	30.394 ug/l	#	39
81) trans-1,4-Dichloro-2-b...	11.085	75	81524	81.546 ug/l	#	12
95) Naphthalene	13.780	128	346	1.309 ug/l	#	69

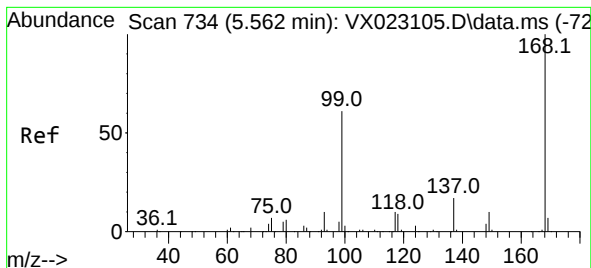
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 02 14:29:42 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.000 min

Lab File: VX023197.D

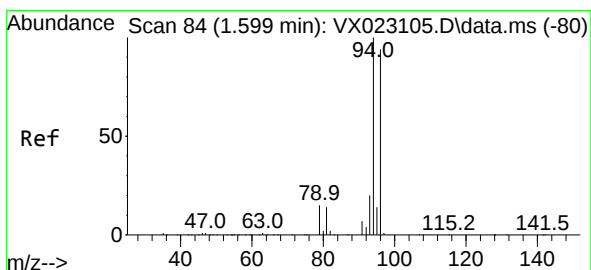
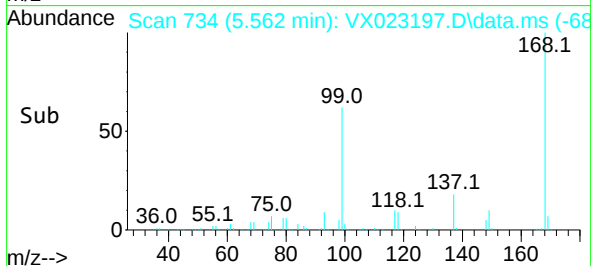
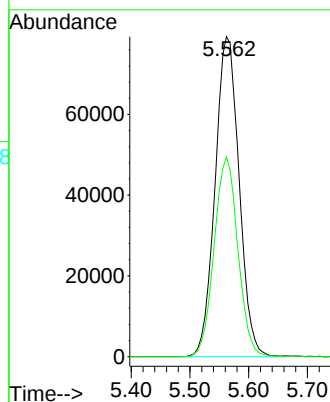
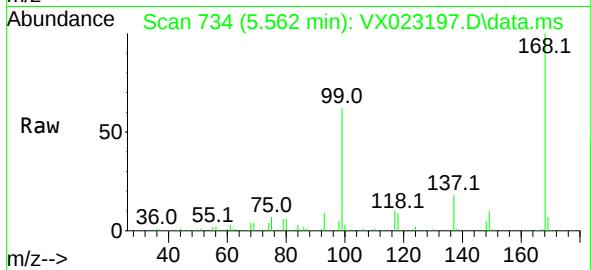
Acq: 08 Jul 2021 14:18

Tgt Ion:168 Resp: 224954

Ion Ratio Lower Upper

168 100

99 62.4 45.8 68.6



#5

Bromomethane

Concen: Below Cal

RT: 1.618 min Scan# 87

Delta R.T. 0.019 min

Lab File: VX023197.D

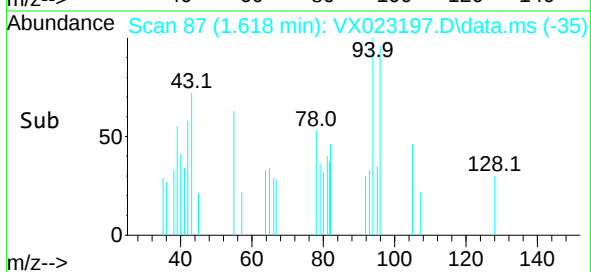
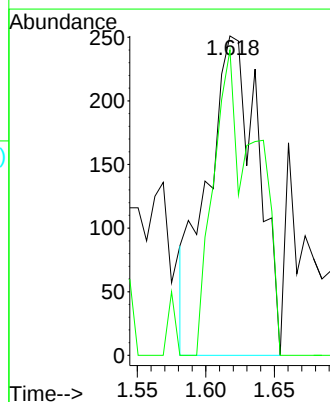
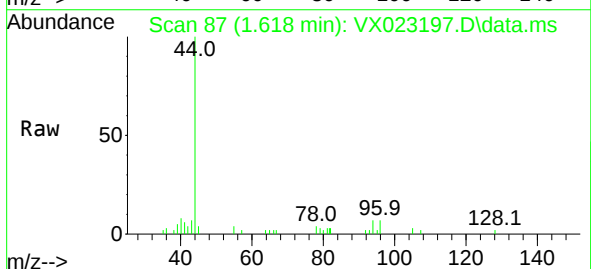
Acq: 08 Jul 2021 14:18

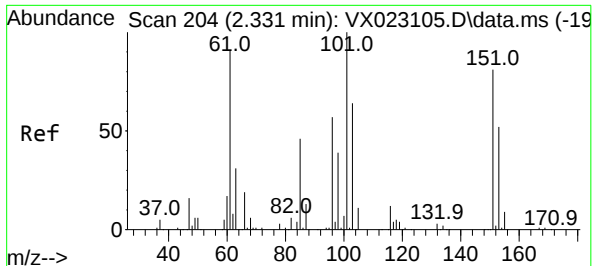
Tgt Ion: 94 Resp: 649

Ion Ratio Lower Upper

94 100

96 95.6 76.4 114.6

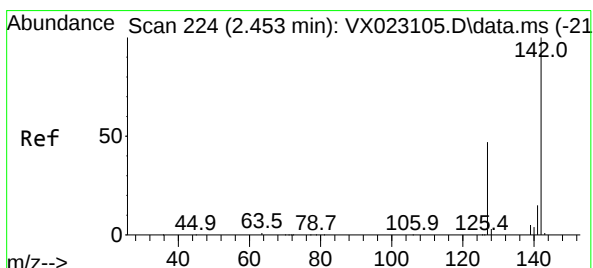
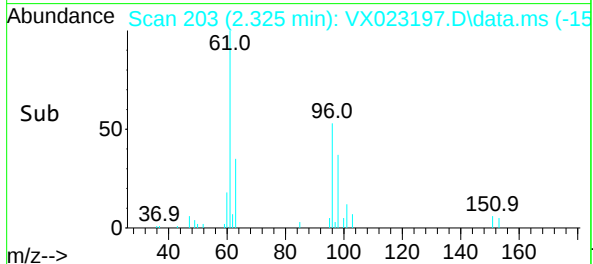
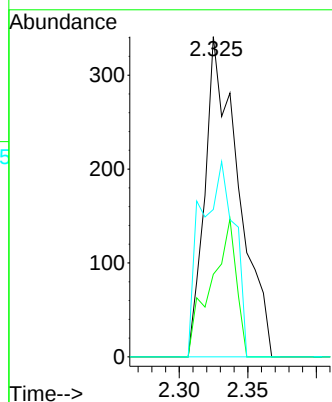
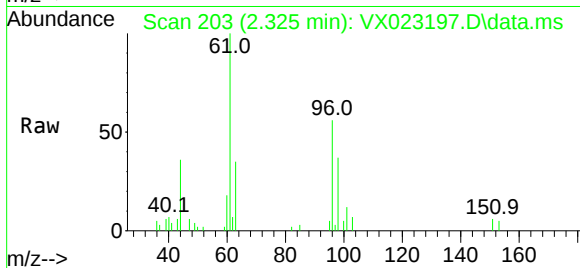




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.266 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

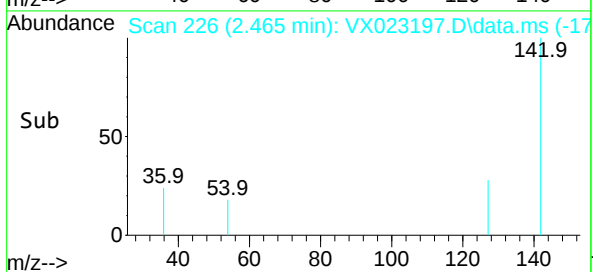
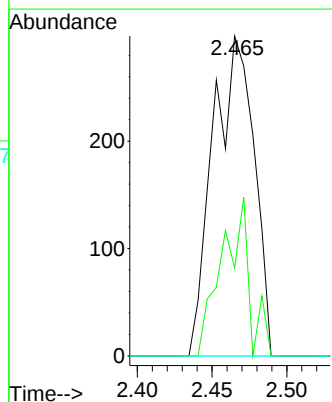
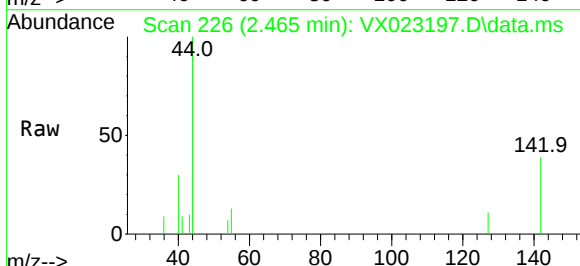
Instrument :
MSVOA_X
ClientSampleId :

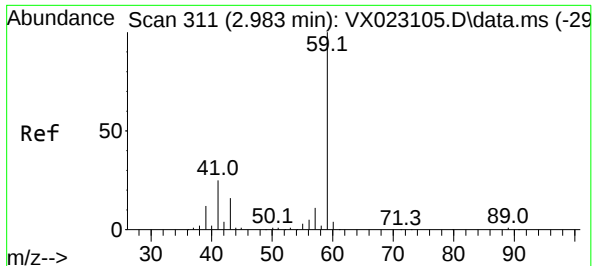
Tgt Ion:101 Resp: 579
Ion Ratio Lower Upper
101 100
85 32.5 34.9 52.3#
151 61.0 61.4 92.2#



#10
Methyl Iodide
Concen: 0.213 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

Tgt Ion:142 Resp: 567
Ion Ratio Lower Upper
142 100
127 33.5 33.3 49.9
141 0.0 11.4 17.0#



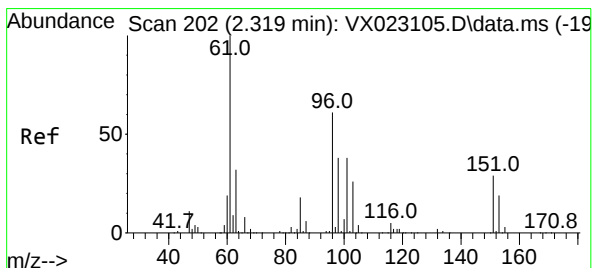
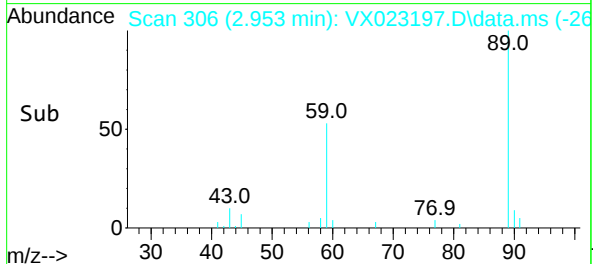
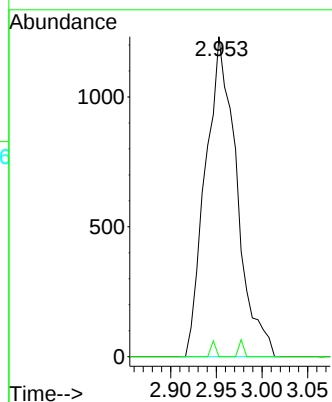
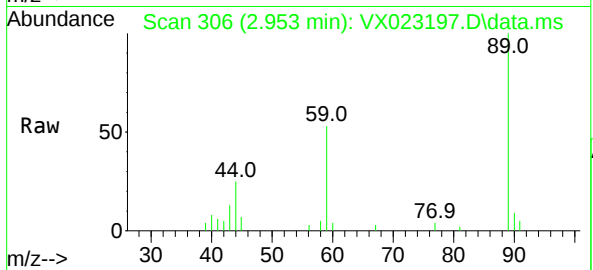


#11

Tert butyl alcohol
Concen: 4.583 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

Instrument :
MSVOA_X
ClientSampled :

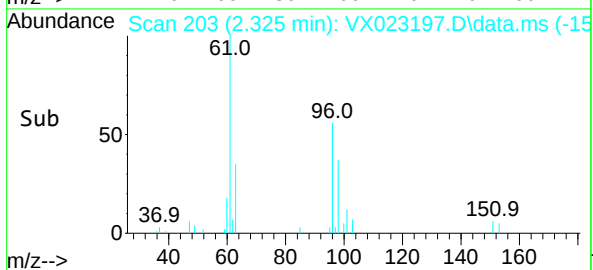
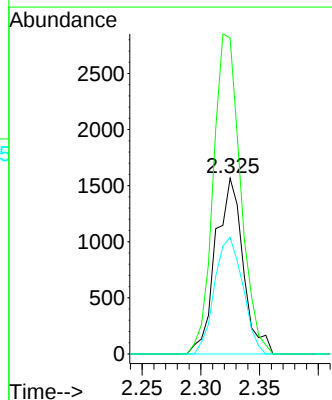
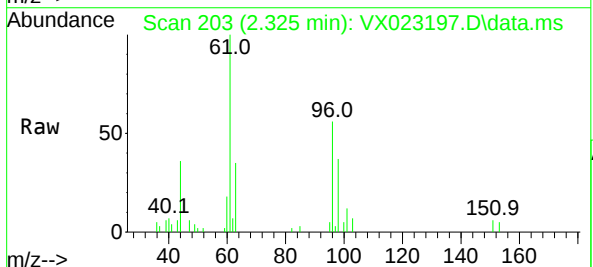
Tgt Ion: 59 Resp: 2915
Ion Ratio Lower Upper
59 100
57 0.8 7.8 11.8#

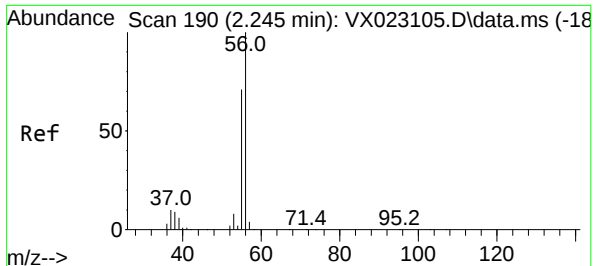


#12

1,1-Dichloroethene
Concen: 1.269 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

Tgt Ion: 96 Resp: 2544
Ion Ratio Lower Upper
96 100
61 179.8 124.6 187.0
98 66.3 50.6 76.0





#13

Acrolein

Concen: 0.243 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.012 min

Lab File: VX023197.D

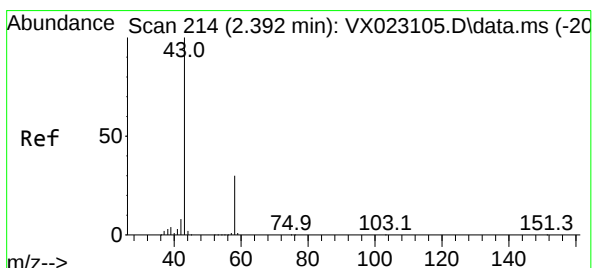
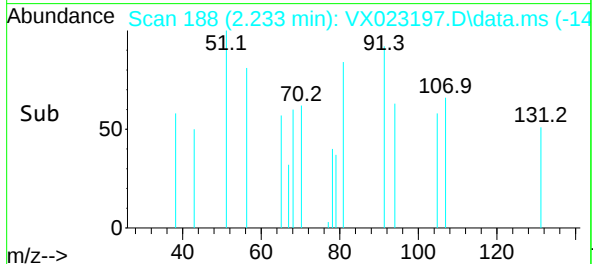
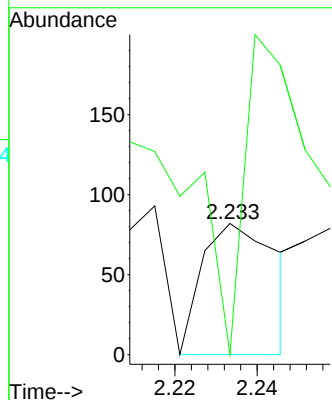
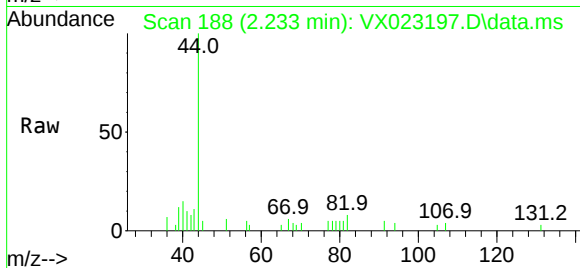
Acq: 08 Jul 2021 14:18

Tgt Ion: 56 Resp: 103

Ion Ratio Lower Upper

56 100

55 218.4 56.4 84.6#



#16

Acetone

Concen: 1.248 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX023197.D

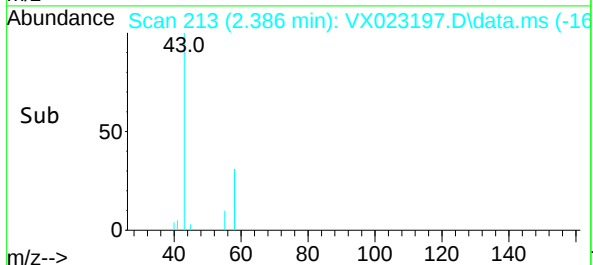
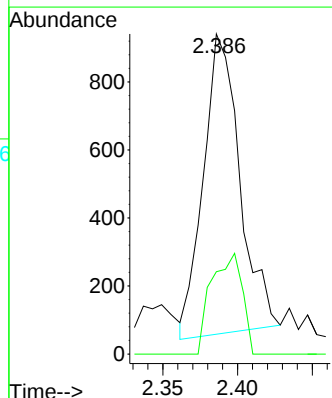
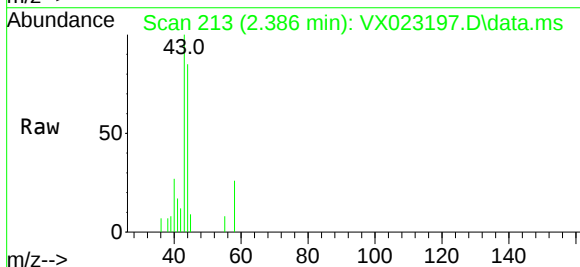
Acq: 08 Jul 2021 14:18

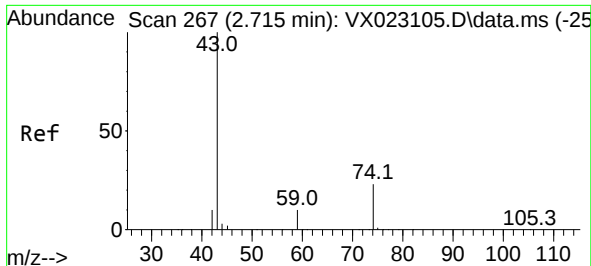
Tgt Ion: 43 Resp: 1493

Ion Ratio Lower Upper

43 100

58 28.3 27.8 41.8

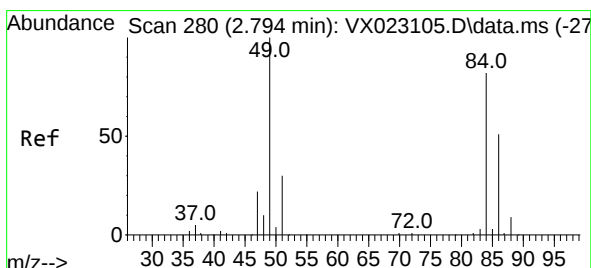
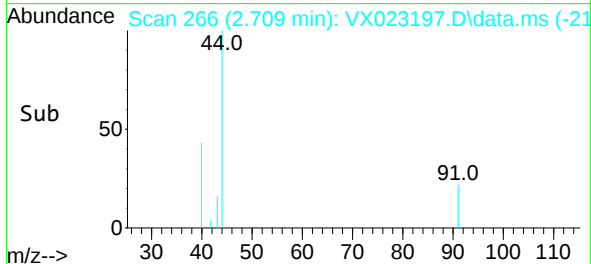
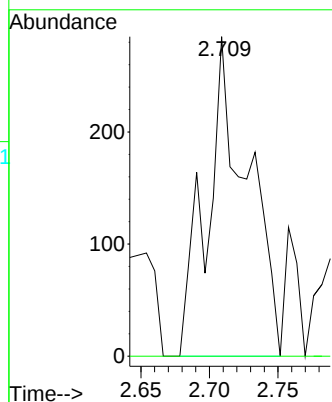
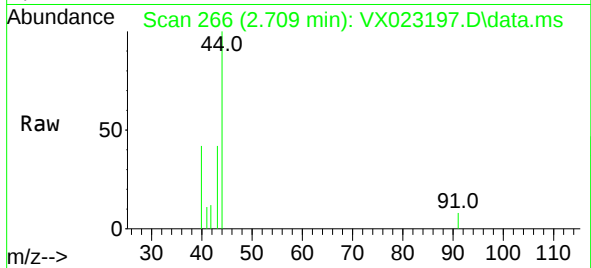




#18
Methyl Acetate
Concen: 0.203 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

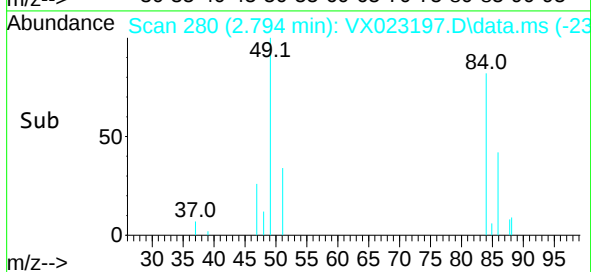
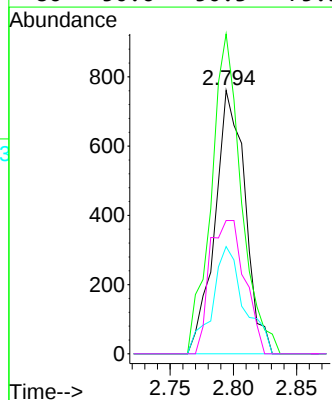
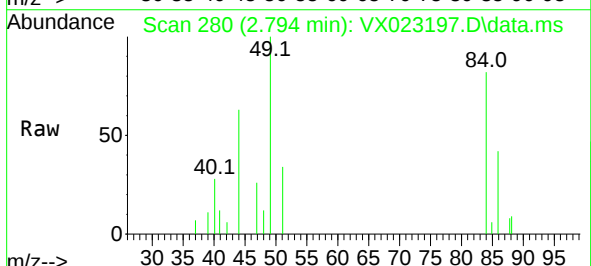
Instrument :
MSVOA_X
ClientSampled :

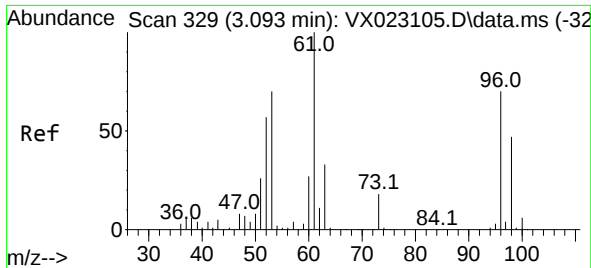
Tgt Ion: 43 Resp: 590
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.490 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

Tgt Ion: 84 Resp: 1263
Ion Ratio Lower Upper
84 100
49 121.4 88.6 132.8
51 40.7 27.0 40.6#
86 50.6 50.3 75.5

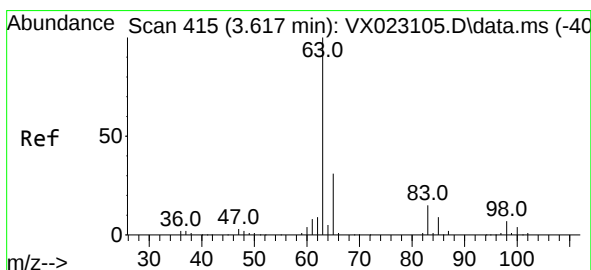
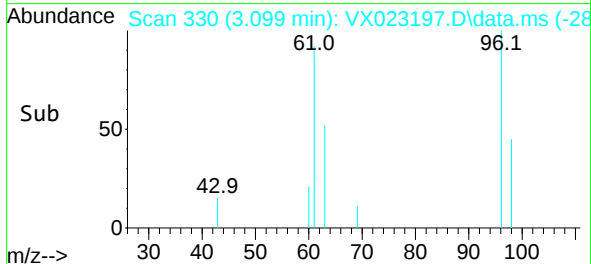
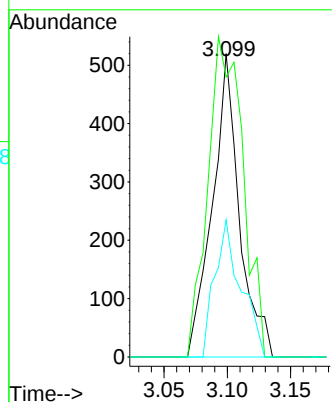
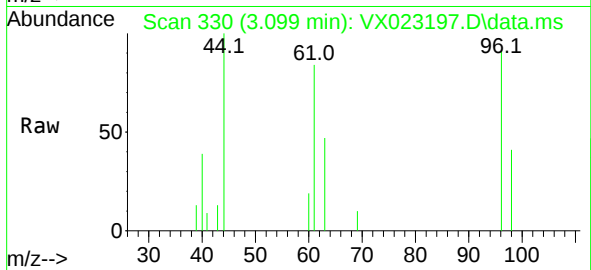




#21
trans-1,2-Dichloroethene
Concen: 0.356 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

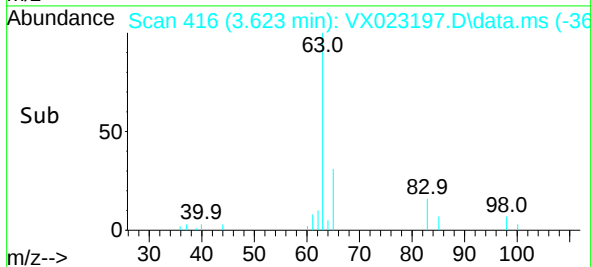
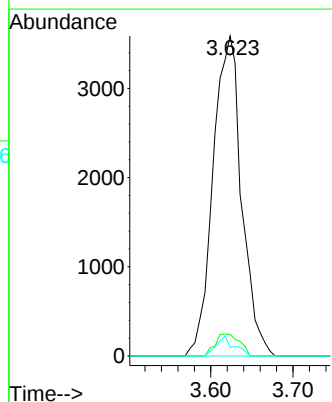
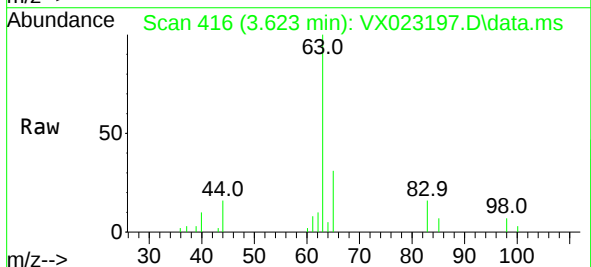
Instrument :
MSVOA_X
ClientSampled :

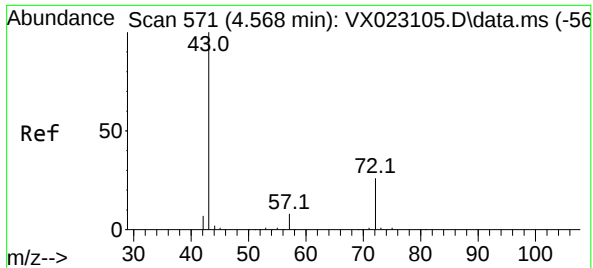
Tgt Ion: 96 Resp: 772
Ion Ratio Lower Upper
96 100
61 92.3 107.7 161.5#
98 45.2 50.4 75.6#



#24
1,1-Dichloroethane
Concen: 2.089 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.006 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

Tgt Ion: 63 Resp: 8669
Ion Ratio Lower Upper
63 100
98 6.7 3.8 11.2
100 2.7 2.5 7.5





#25

2-Butanone

Concen: 0.430 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.025 min

Lab File: VX023197.D

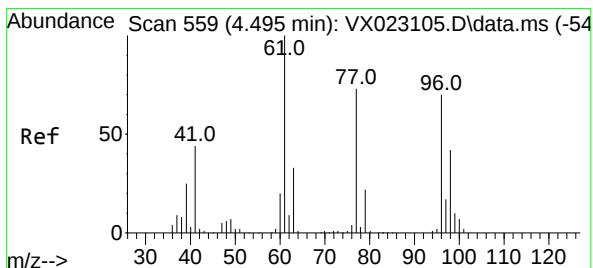
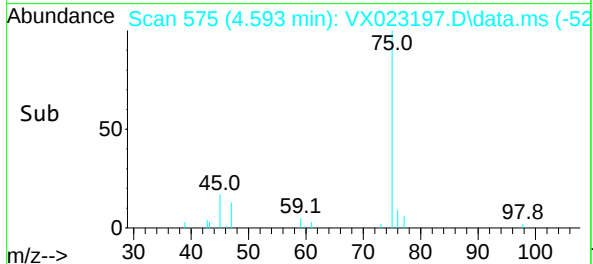
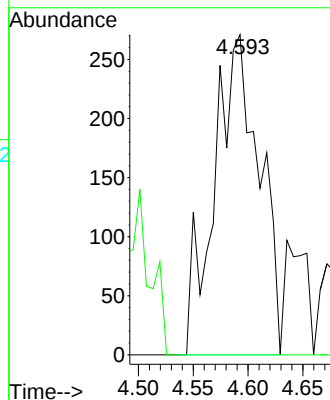
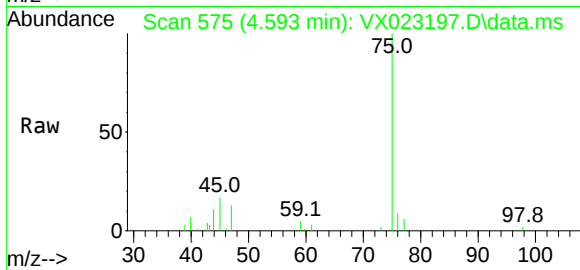
Acq: 08 Jul 2021 14:18

Tgt Ion: 43 Resp: 775

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#27

cis-1,2-Dichloroethene

Concen: 9.991 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.000 min

Lab File: VX023197.D

Acq: 08 Jul 2021 14:18

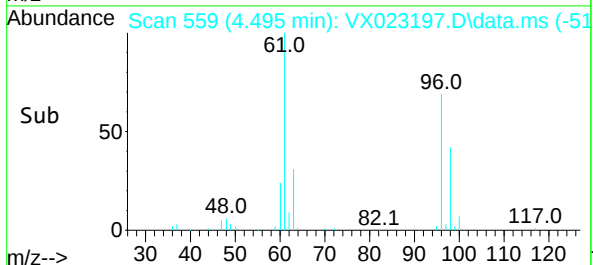
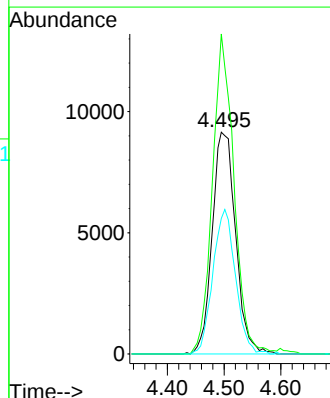
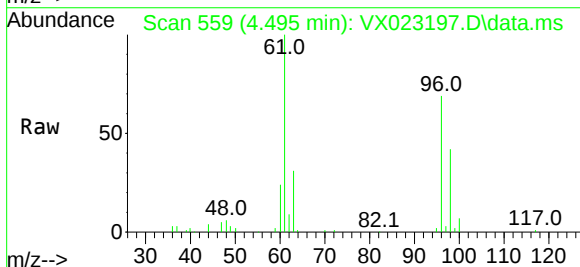
Tgt Ion: 96 Resp: 26207

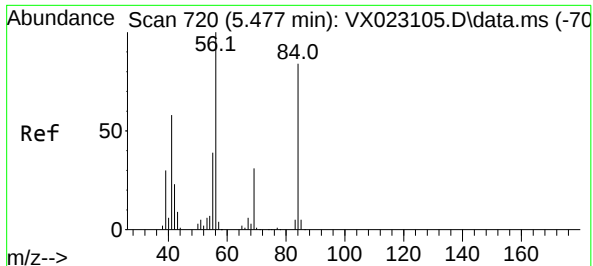
Ion Ratio Lower Upper

96 100

61 132.2 0.0 285.6

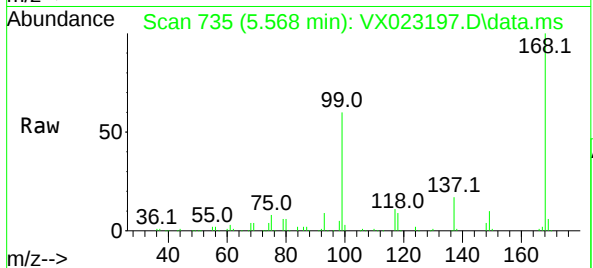
98 63.0 0.0 129.6



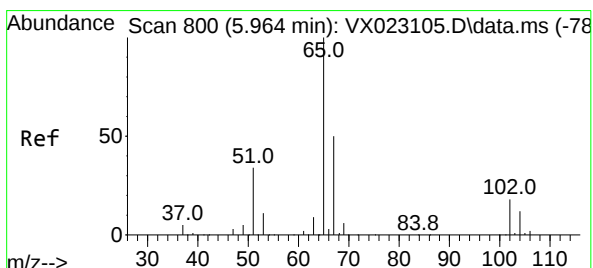
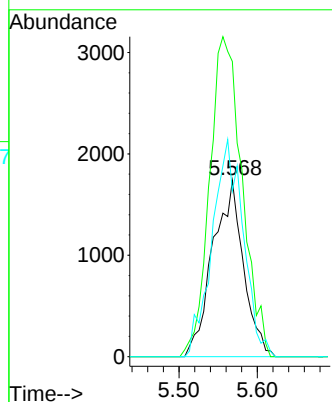
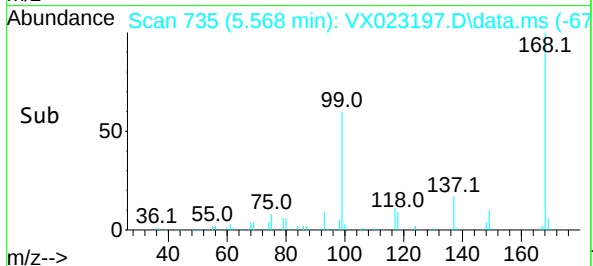


#31
Cyclohexane
Concen: 1.307 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

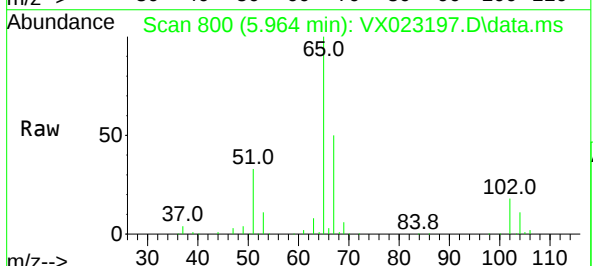
Instrument :
MSVOA_X
ClientSampleId :



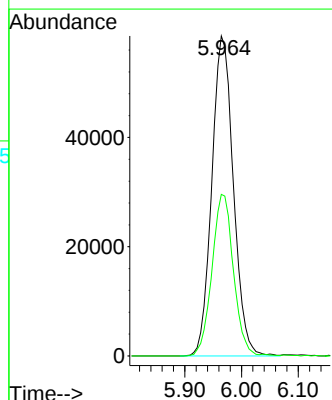
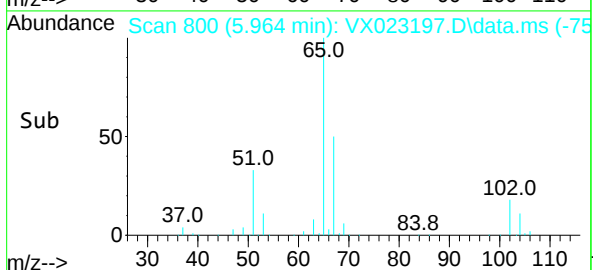
Tgt Ion: 56 Resp: 4730
Ion Ratio Lower Upper
56 100
69 167.4 25.3 37.9#
84 93.9 71.4 107.0

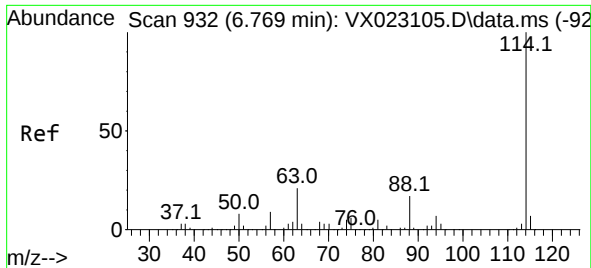


#33
1,2-Dichloroethane-d4
Concen: 51.177 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18



Tgt Ion: 65 Resp: 154727
Ion Ratio Lower Upper
65 100
67 50.0 0.0 105.4

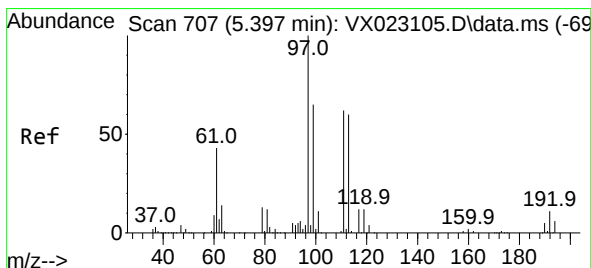
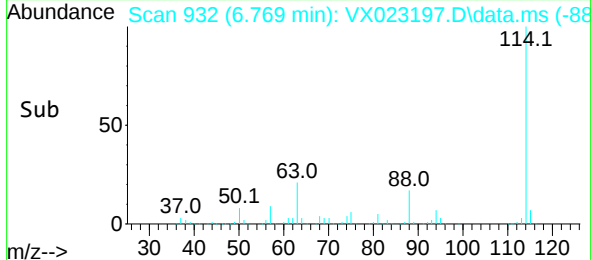
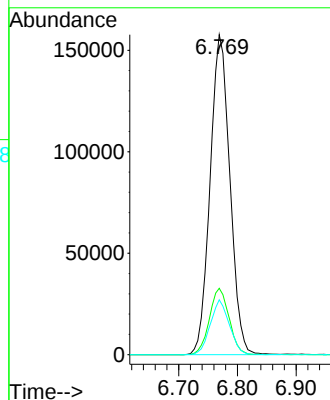
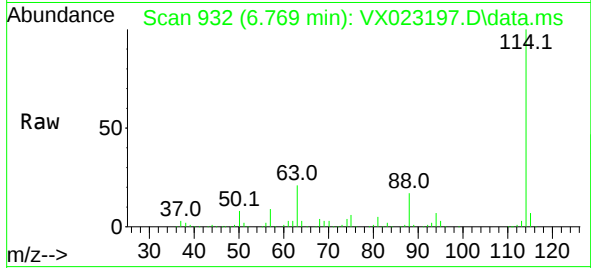




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

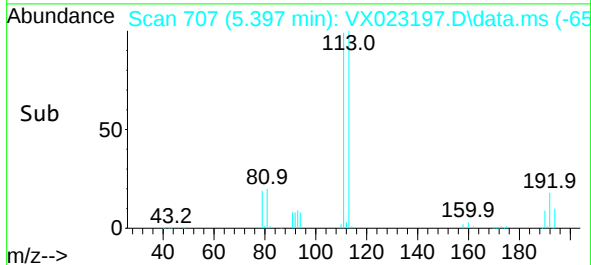
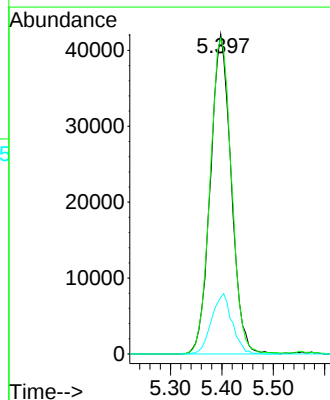
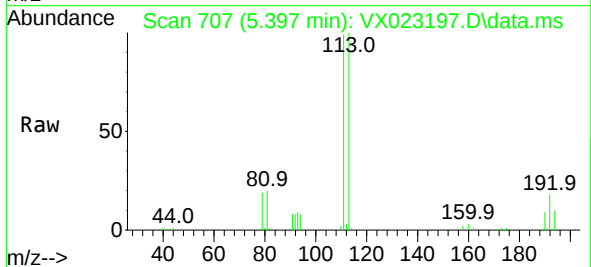
Instrument :
MSVOA_X
ClientSampled :

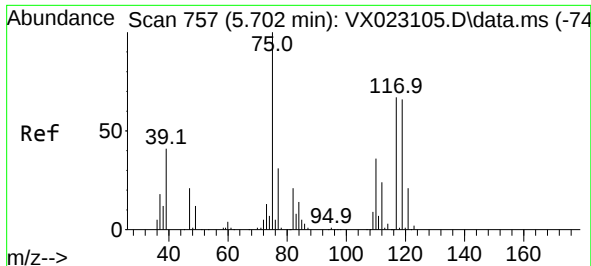
Tgt Ion:114 Resp: 368950
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 17.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.751 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

Tgt Ion:113 Resp: 118532
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 18.6 16.7 25.1

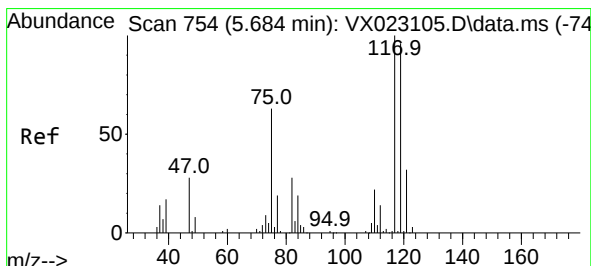
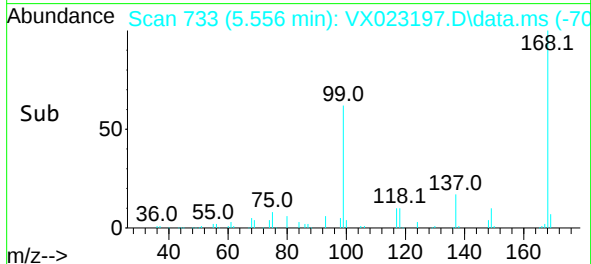
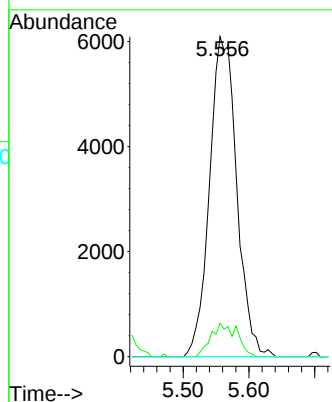
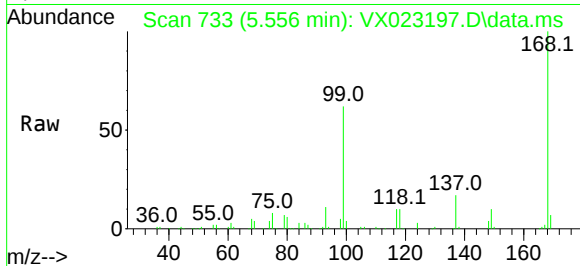




#36
1,1-Dichloropropene
Concen: 5.333 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

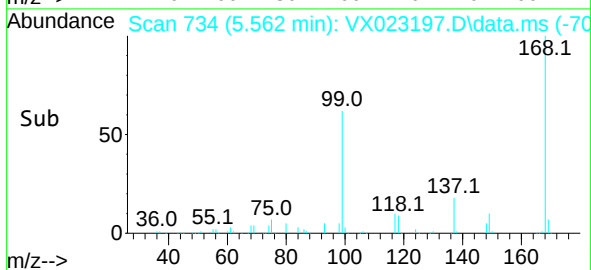
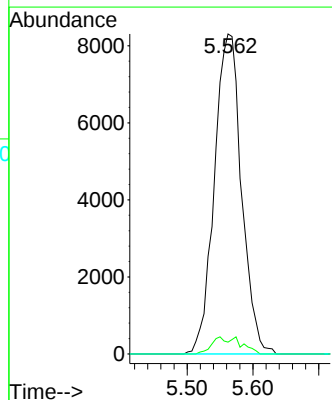
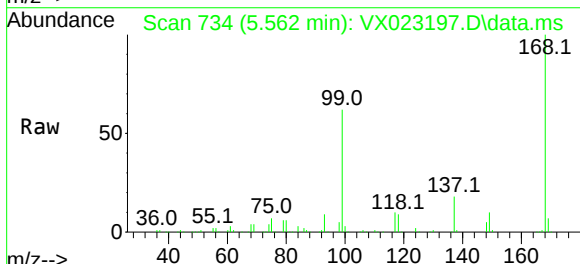
Instrument :
MSVOA_X
ClientSampleId :

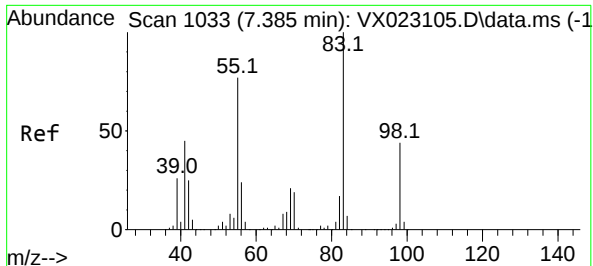
Tgt Ion: 75 Resp: 17542
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.951 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

Tgt Ion: 117 Resp: 23864
Ion Ratio Lower Upper
117 100
119 3.7 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.621 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.250 min

Lab File: VX023197.D

Acq: 08 Jul 2021 14:18

Tgt Ion: 83 Resp: 2388

Ion Ratio Lower Upper

83 100

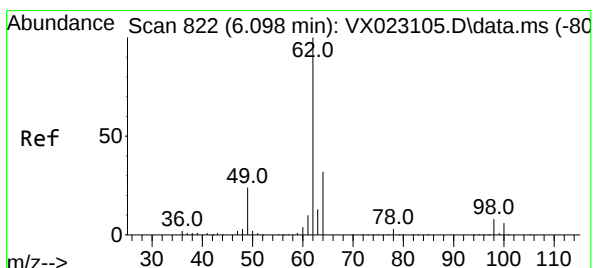
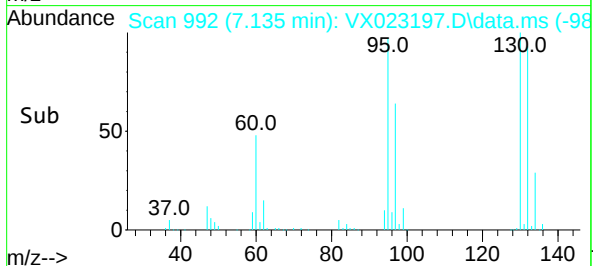
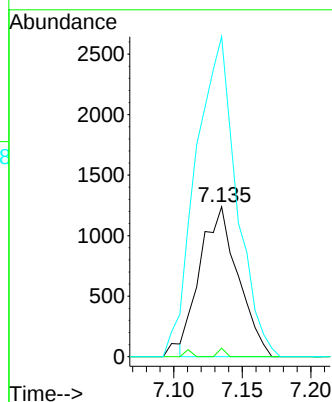
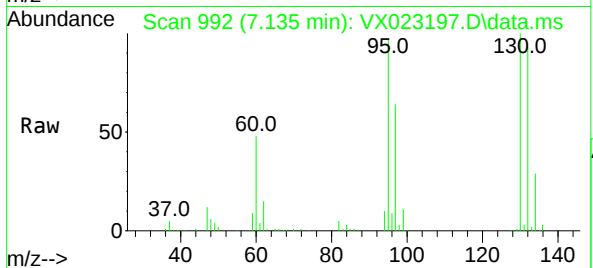
55 6.0 58.9 88.3#

98 222.4 38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :



#42

1,2-Dichloroethane

Concen: 0.460 ug/l

RT: 6.105 min Scan# 823

Delta R.T. 0.007 min

Lab File: VX023197.D

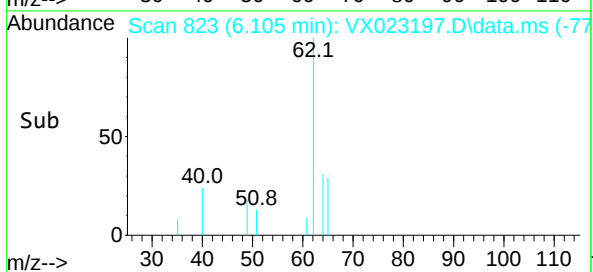
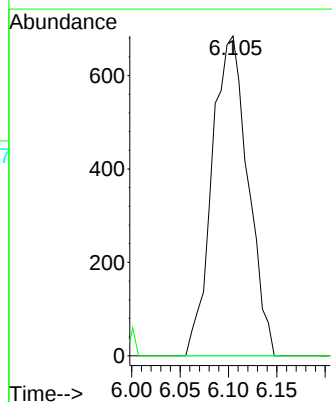
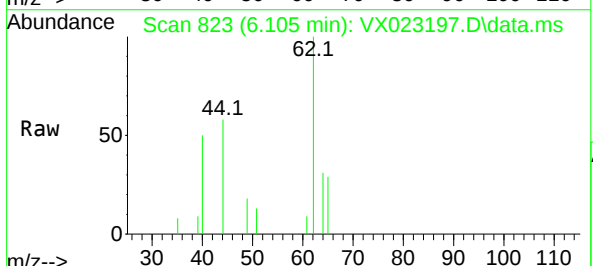
Acq: 08 Jul 2021 14:18

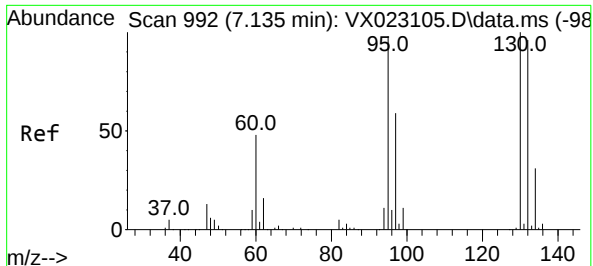
Tgt Ion: 62 Resp: 1767

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2

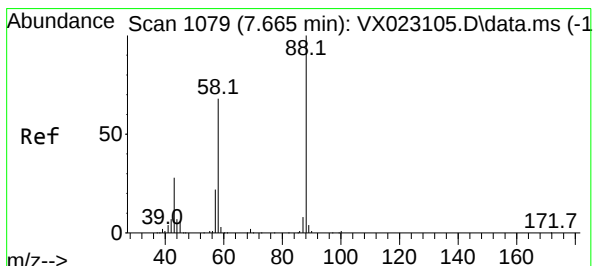
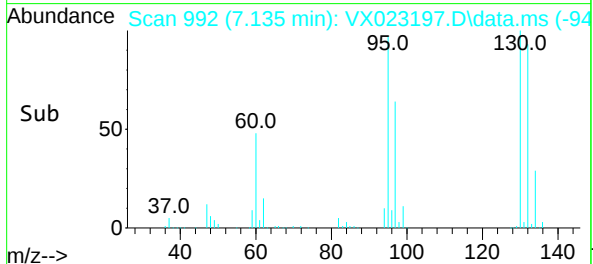
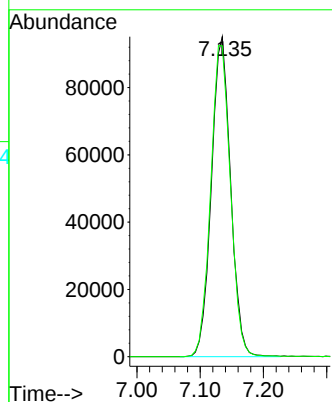
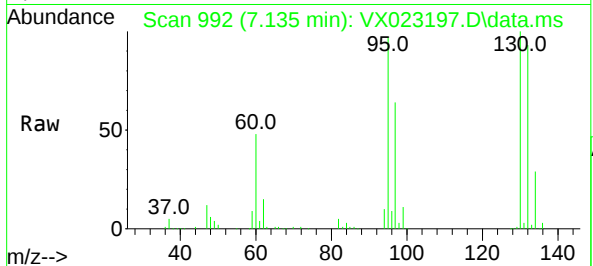




#44
Trichloroethene
Concen: 73.858 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

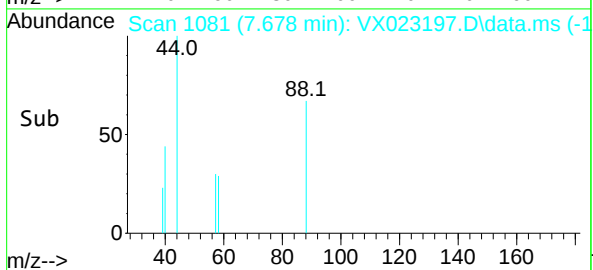
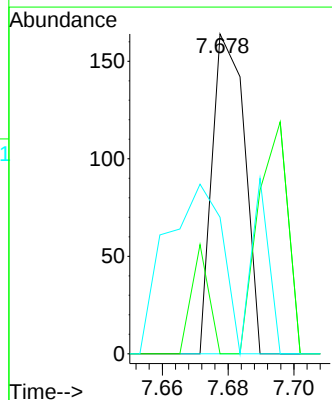
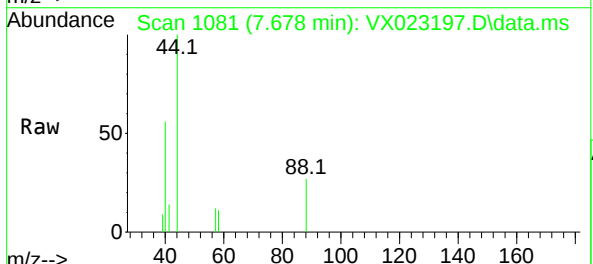
Instrument :
MSVOA_X
ClientSampled :

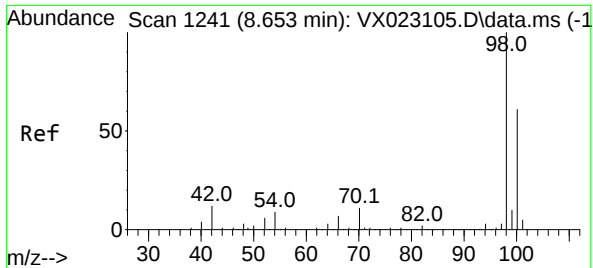
Tgt Ion:130 Resp: 200078
Ion Ratio Lower Upper
130 100
95 97.2 0.0 198.0



#49
1,4-Dioxane
Concen: 1.699 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.013 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

Tgt Ion: 88 Resp: 112
Ion Ratio Lower Upper
88 100
43 17.9 23.2 34.8#
58 92.0 55.0 82.4#

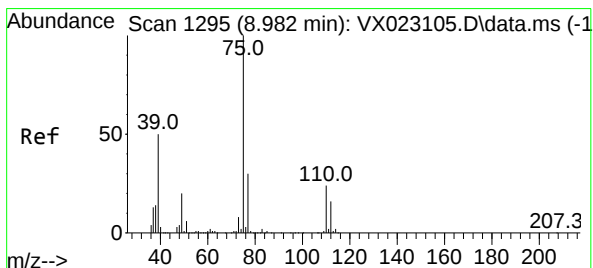
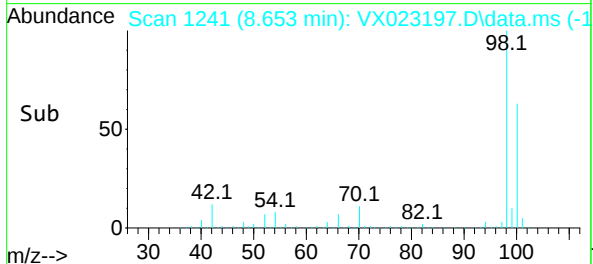
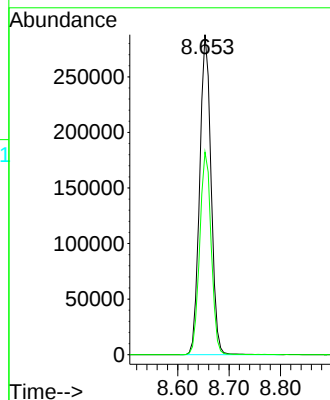
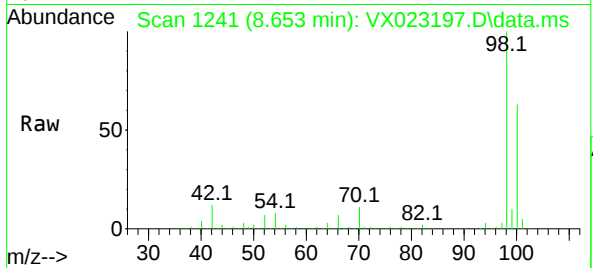




#50
Toluene-d8
Concen: 49.683 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

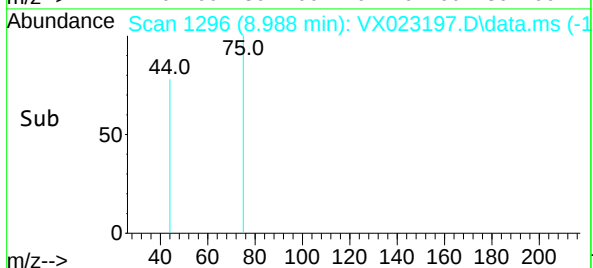
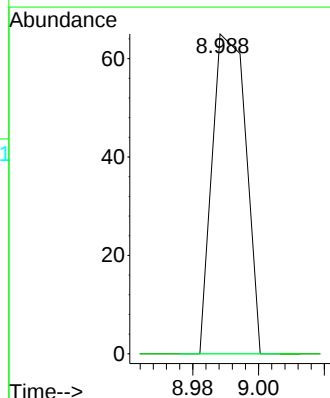
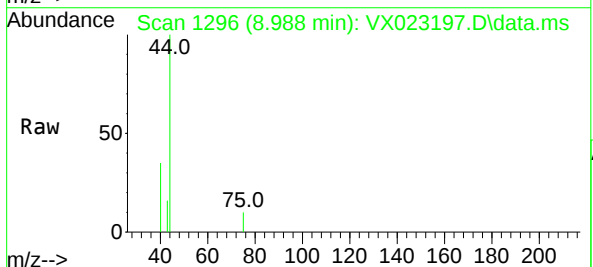
Instrument :
MSVOA_X
ClientSampled :

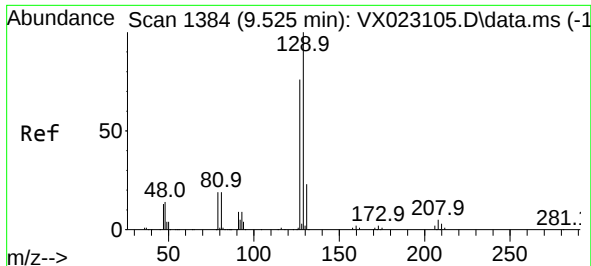
Tgt Ion: 98 Resp: 441554
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9



#53
t-1,3-Dichloropropene
Concen: 2.747 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

Tgt Ion: 75 Resp: 46
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

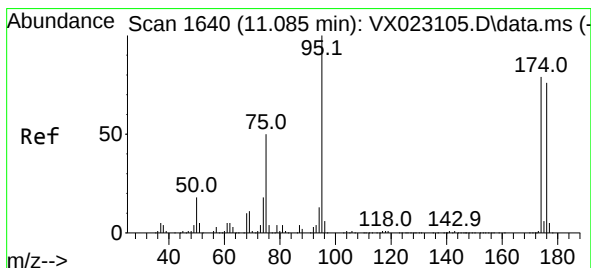
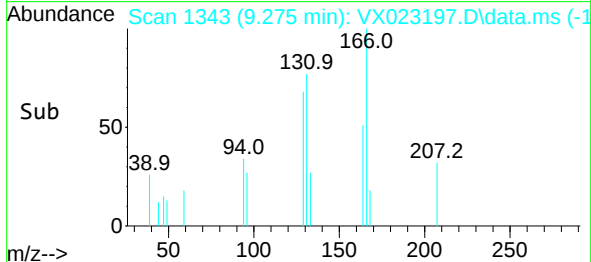
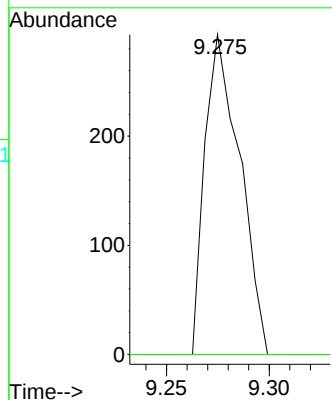
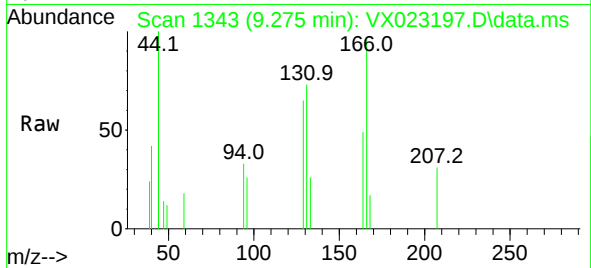




#60
Dibromochloromethane
Concen: 3.225 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

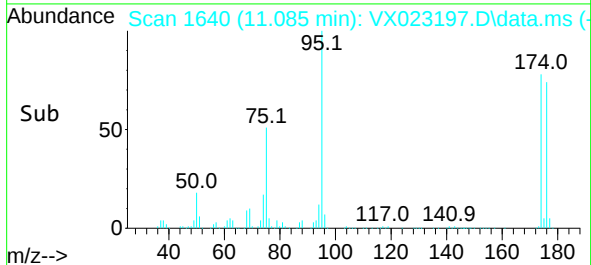
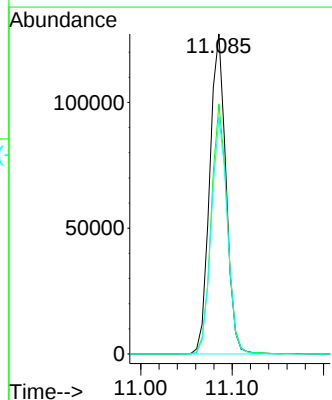
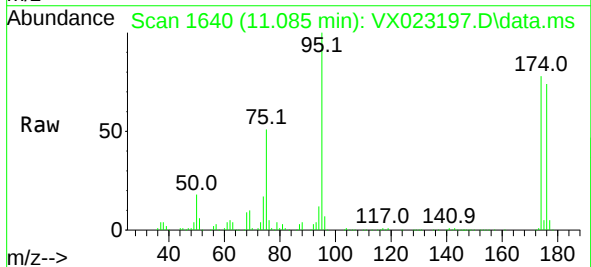
Instrument :
MSVOA_X
ClientSampled :

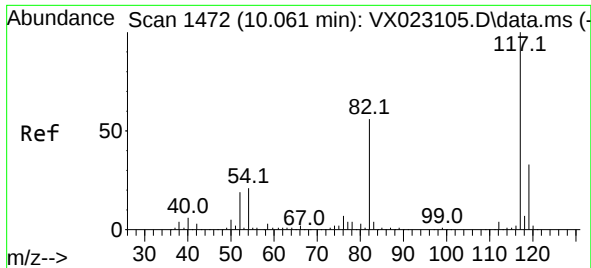
Tgt Ion:129 Resp: 347
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.638 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

Tgt Ion: 95 Resp: 156584
Ion Ratio Lower Upper
95 100
174 77.3 0.0 154.6
176 73.4 0.0 155.8

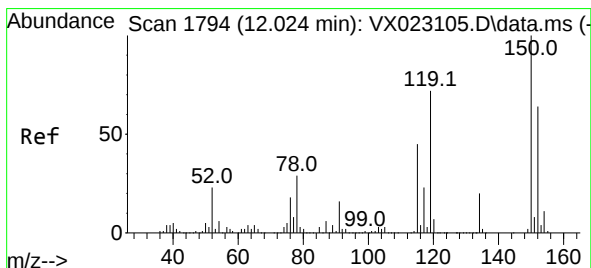
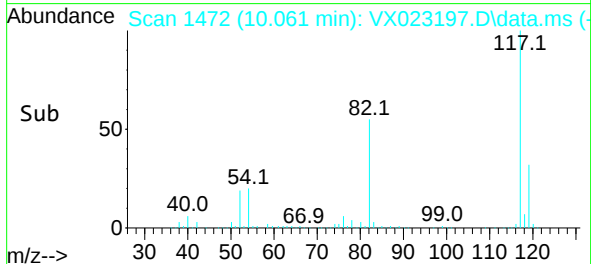
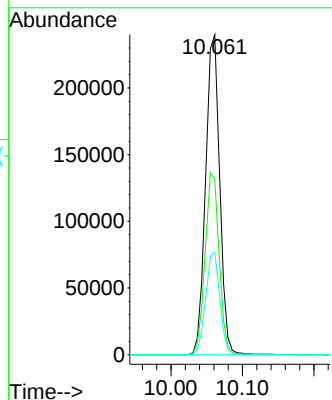
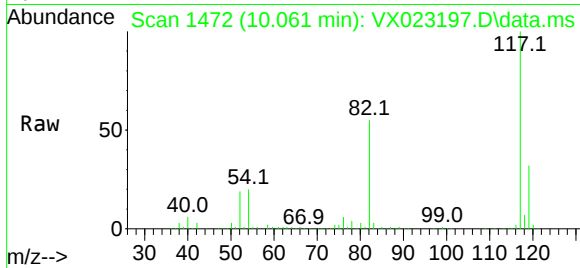




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

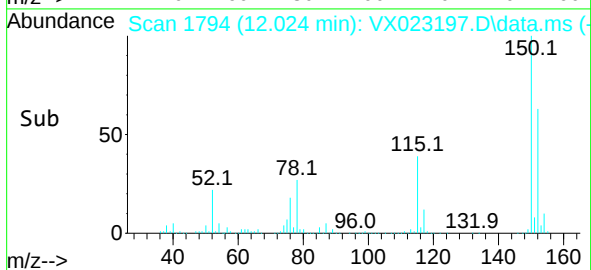
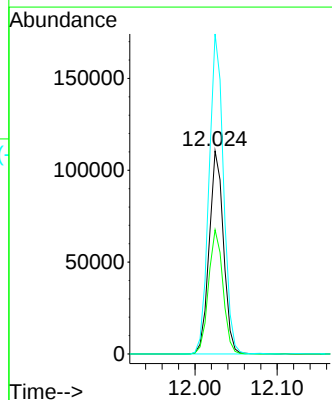
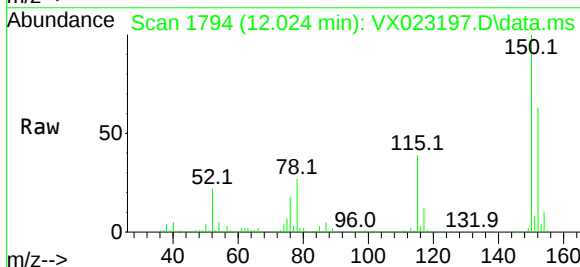
Instrument :
MSVOA_X
ClientSampled :

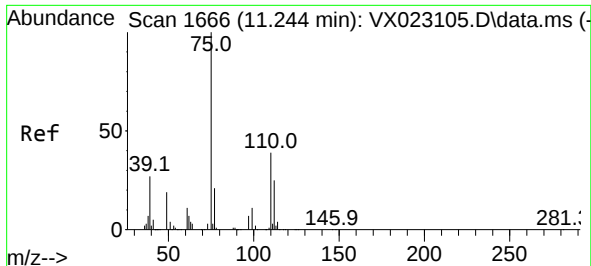
Tgt Ion:117 Resp: 329695
Ion Ratio Lower Upper
117 100
82 54.8 47.4 71.2
119 32.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

Tgt Ion:152 Resp: 133289
Ion Ratio Lower Upper
152 100
115 61.7 41.1 123.3
150 159.7 0.0 349.0

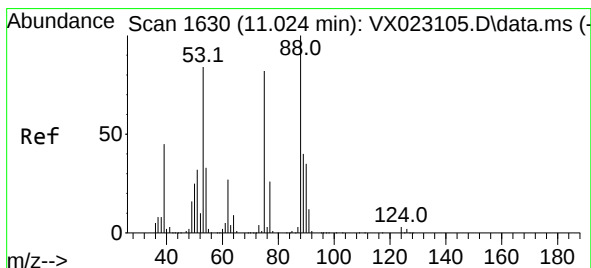
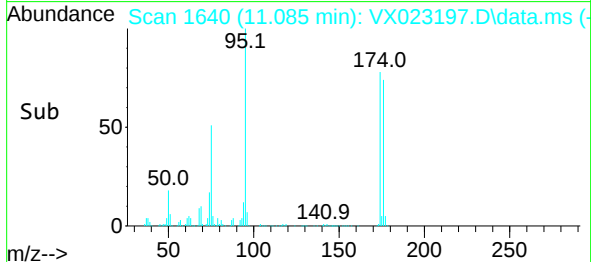
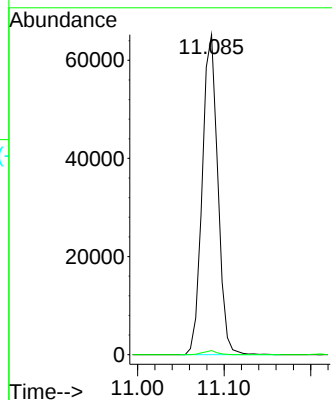
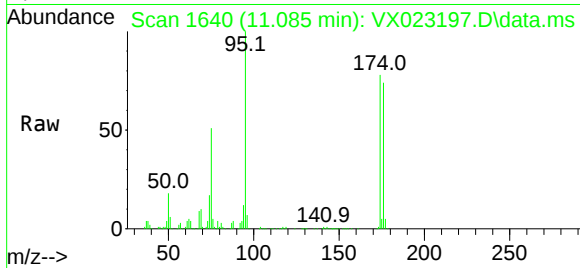




#76
1,2,3-Trichloropropane
Concen: 30.394 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

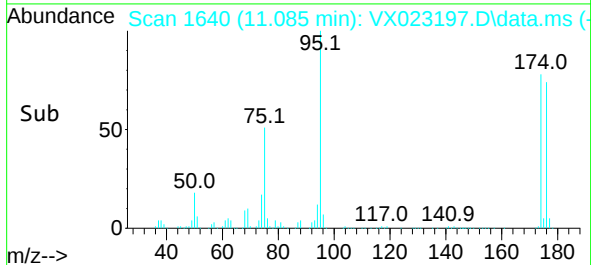
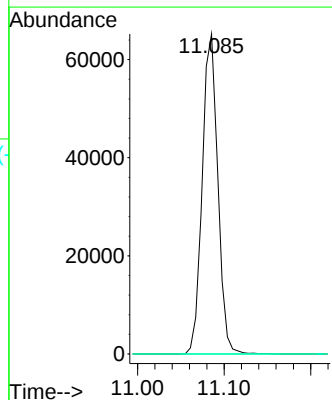
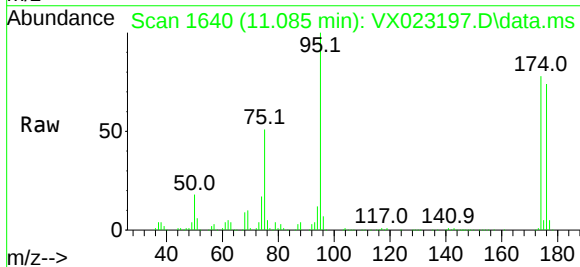
Instrument :
MSVOA_X
ClientSampled :

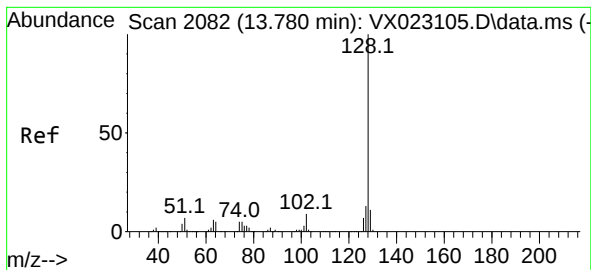
Tgt Ion: 75 Resp: 81524
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.546 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

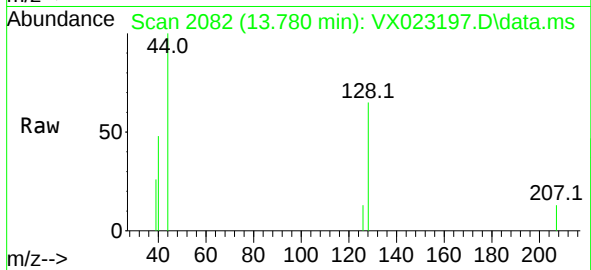
Tgt Ion: 75 Resp: 81524
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.309 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023197.D
Acq: 08 Jul 2021 14:18

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 346
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

