

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071621\
 Data File : VX023320.D
 Acq On : 16 Jul 2021 12:21
 Operator : JC/MD
 Sample : M3027-03 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 17 02:08:25 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)

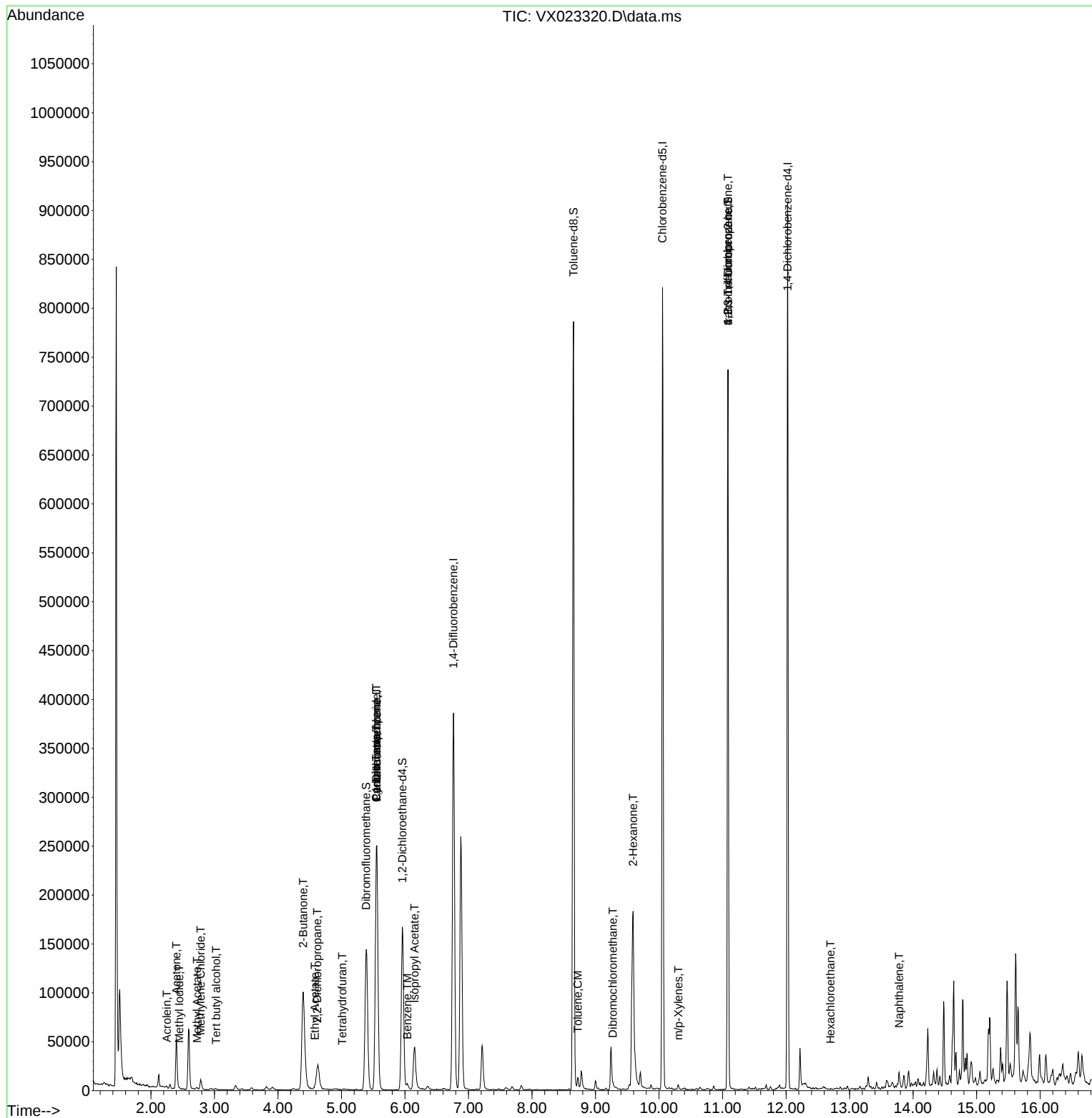
Internal Standards						
1) Pentafluorobenzene	5.556	168	236448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	386471	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	366767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	178179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	168022	52.873	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.740%	
35) Dibromofluoromethane	5.385	113	125440	50.263	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.520%	
50) Toluene-d8	8.653	98	463021	49.737	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.480%	
62) 4-Bromofluorobenzene	11.085	95	190625	53.040	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.080%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	403	Below Cal	#	20
10) Methyl Iodide	2.447	142	890	0.317	ug/l #	80
11) Tert butyl alcohol	3.026	59	1615	2.416	ug/l	98
13) Acrolein	2.252	56	781	1.754	ug/l	94
16) Acetone	2.398	43	56673	45.077	ug/l	93
18) Methyl Acetate	2.727	43	3132	1.026	ug/l #	85
20) Methylene Chloride	2.782	84	4466	1.650	ug/l	93
25) 2-Butanone	4.398	43	243194	128.275	ug/l #	45
26) 2,2-Dichloropropane	4.617	77	2090	0.571	ug/l #	52
29) Tetrahydrofuran	5.013	42	316	0.259	ug/l #	27
31) Cyclohexane	5.550	56	4776	1.255	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	18462	5.359	ug/l #	50
37) Ethyl Acetate	4.580	43	5757	1.532	ug/l #	64
38) Carbon Tetrachloride	5.550	117	25209	7.010	ug/l #	16
40) Benzene	6.037	78	5951	0.595	ug/l	92
43) Isopropyl Acetate	6.147	43	37857	6.056	ug/l #	57
52) Toluene	8.720	92	3188	0.492	ug/l	88
59) 2-Hexanone	9.592	43	73151	24.611	ug/l #	34
60) Dibromochloromethane	9.275	129	399	3.236	ug/l #	11
68) m/p-Xylenes	10.305	106	1085	0.222	ug/l	86
76) 1,2,3-Trichloropropane	11.085	75	99933	27.871	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	99933	75.172	ug/l #	12
90) Hexachloroethane	12.701	117	372	3.180	ug/l #	9
95) Naphthalene	13.780	128	9818	1.995	ug/l #	93

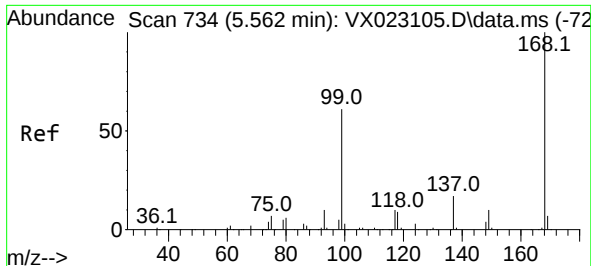
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 02 14:29:42 2021
Response via : Initial Calibration

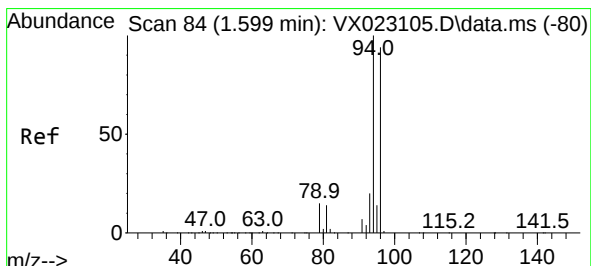
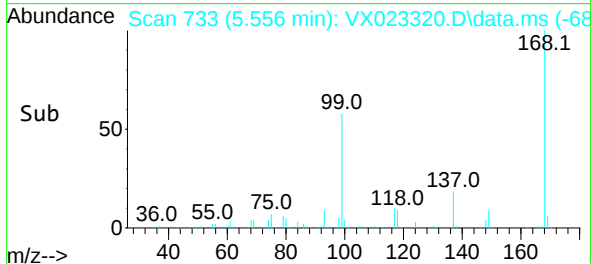
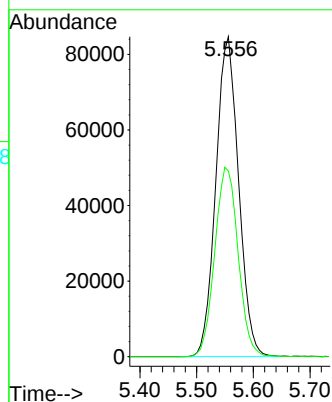
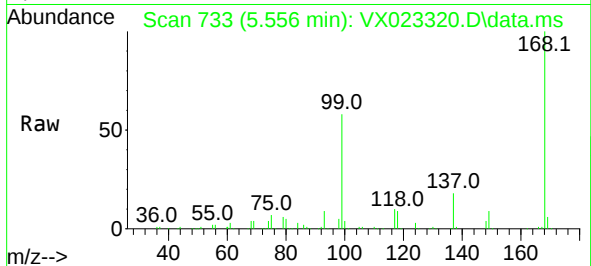




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

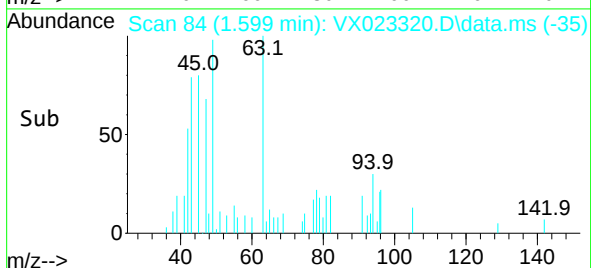
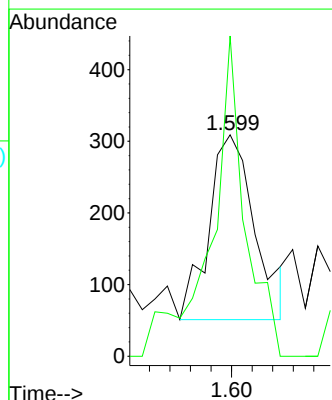
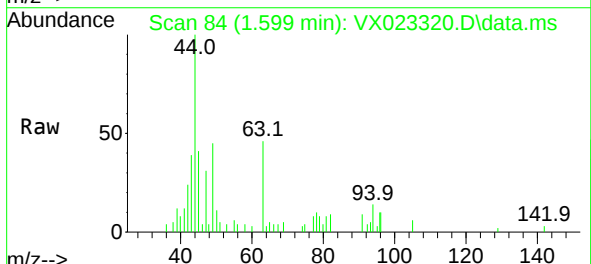
Instrument :
MSVOA_X
ClientSampleId :

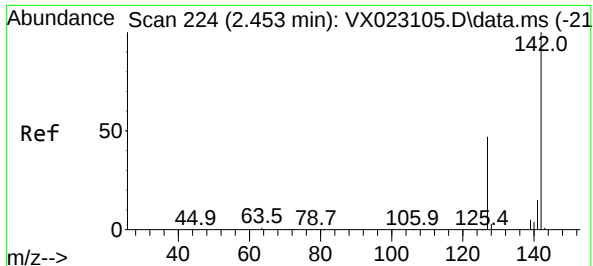
Tgt Ion:168 Resp: 236448
Ion Ratio Lower Upper
168 100
99 58.0 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

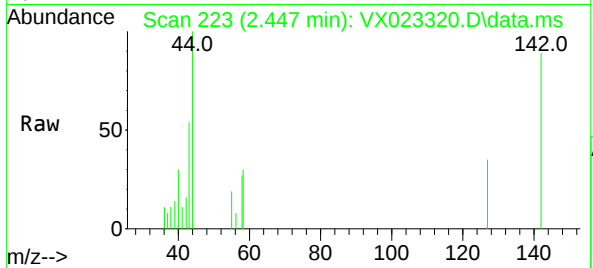
Tgt Ion: 94 Resp: 403
Ion Ratio Lower Upper
94 100
96 173.3 76.4 114.6#



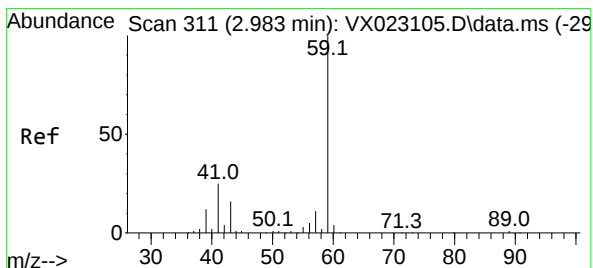
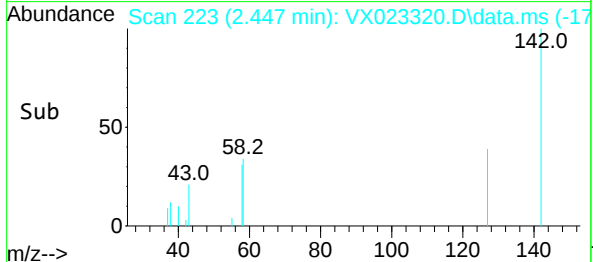
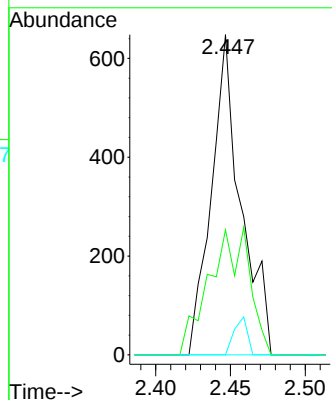


#10
Methyl Iodide
Concen: 0.317 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

Instrument :
MSVOA_X
ClientSampled :

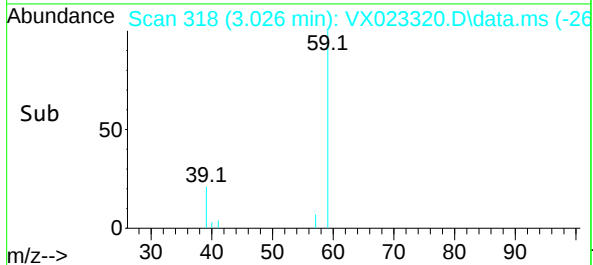
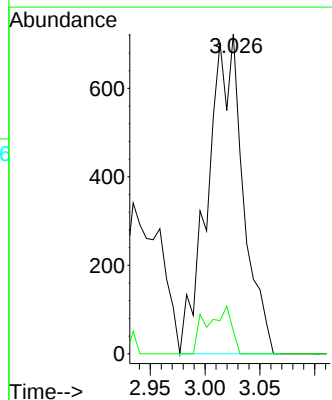
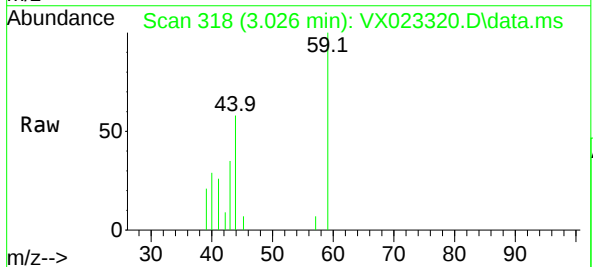


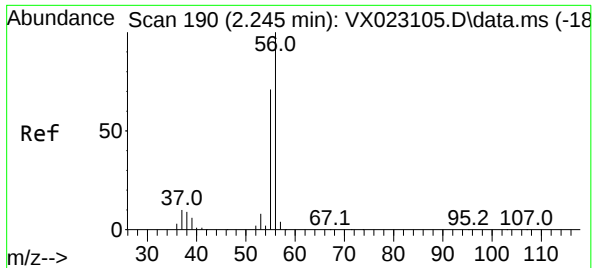
Tgt Ion:142 Resp: 890
Ion Ratio Lower Upper
142 100
127 53.7 33.3 49.9#
141 5.3 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.416 ug/l
RT: 3.026 min Scan# 318
Delta R.T. 0.043 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

Tgt Ion: 59 Resp: 1615
Ion Ratio Lower Upper
59 100
57 10.5 7.8 11.8

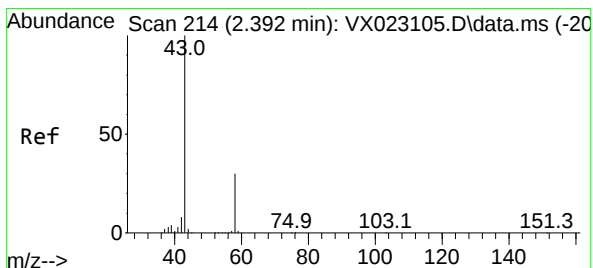
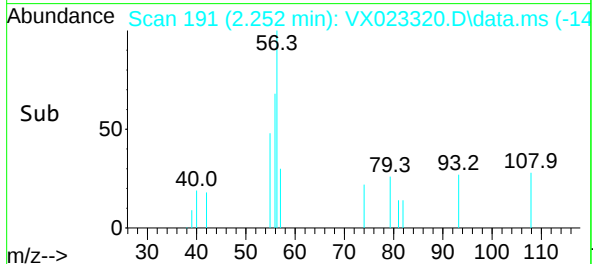
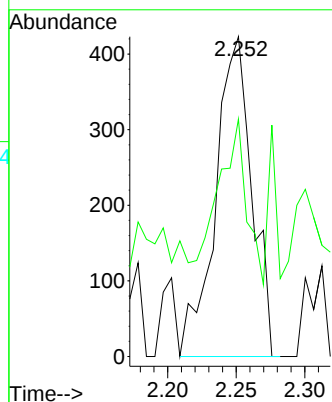
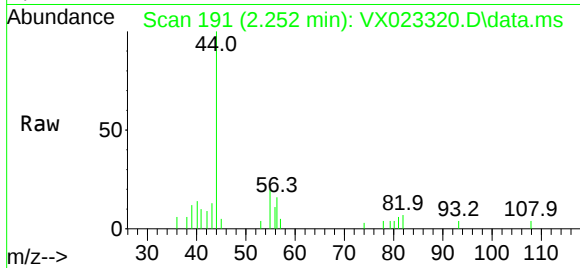




#13
Acrolein
Concen: 1.754 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.007 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

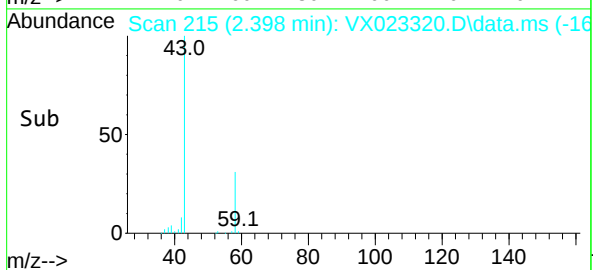
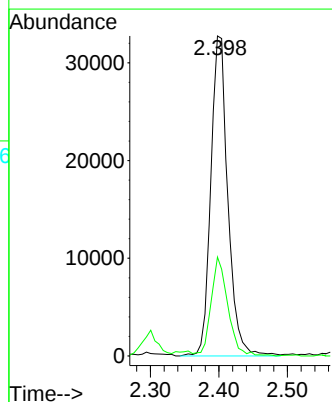
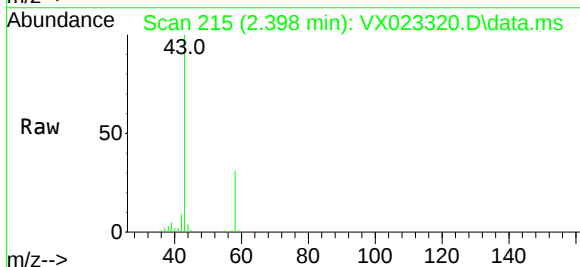
Instrument :
MSVOA_X
ClientSampleId :

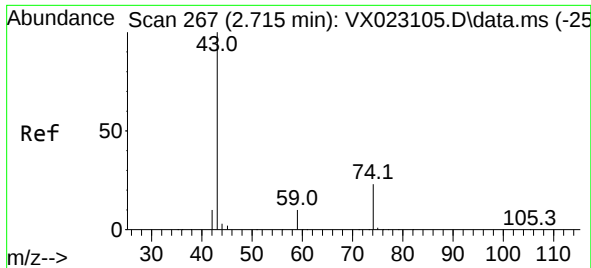
Tgt Ion: 56 Resp: 781
Ion Ratio Lower Upper
56 100
55 75.2 56.4 84.6



#16
Acetone
Concen: 45.077 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

Tgt Ion: 43 Resp: 56673
Ion Ratio Lower Upper
43 100
58 30.7 27.8 41.8

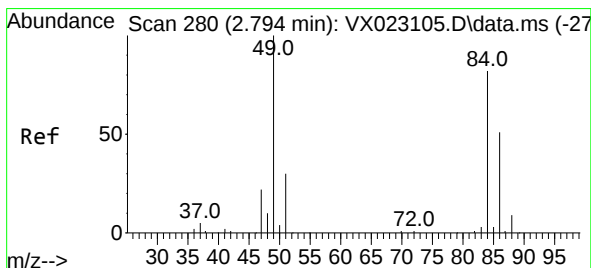
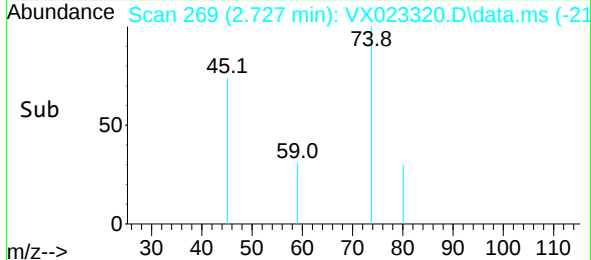
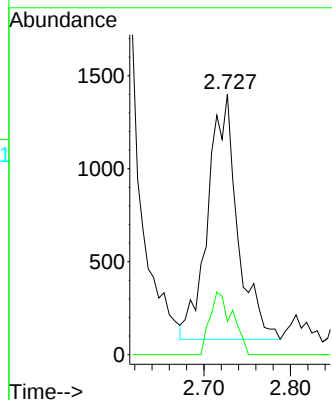
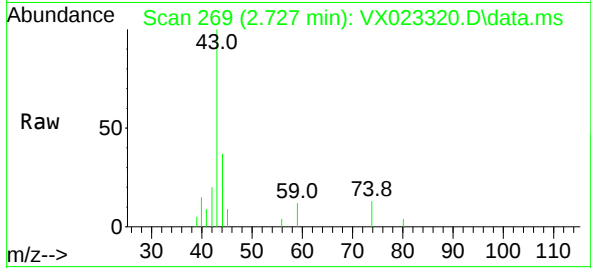




#18
Methyl Acetate
Concen: 1.026 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.012 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

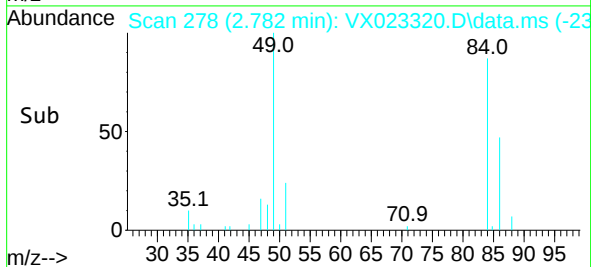
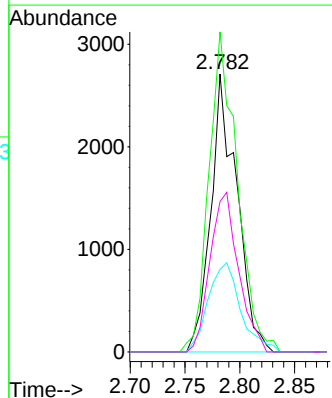
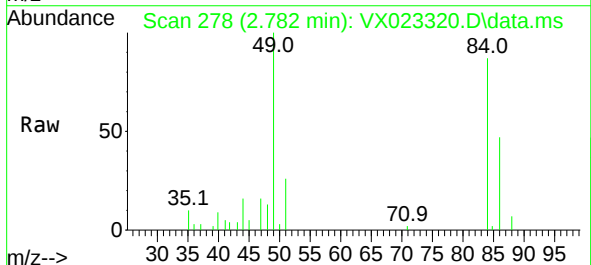
Instrument :
MSVOA_X
ClientSampled :

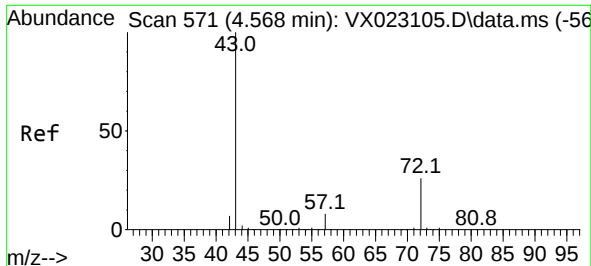
Tgt Ion: 43 Resp: 3132
Ion Ratio Lower Upper
43 100
74 19.5 21.9 32.9#



#20
Methylene Chloride
Concen: 1.650 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.012 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

Tgt Ion: 84 Resp: 4466
Ion Ratio Lower Upper
84 100
49 115.2 88.6 132.8
51 29.7 27.0 40.6
86 54.2 50.3 75.5

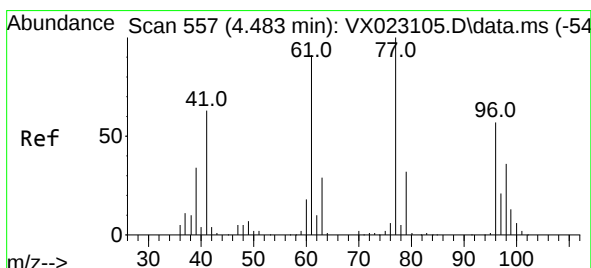
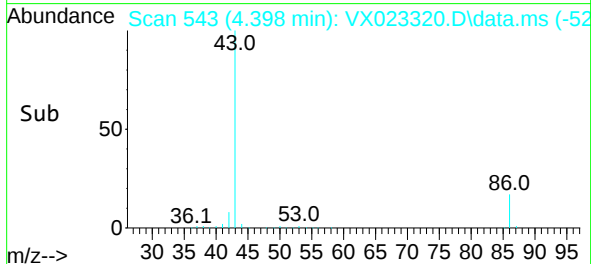
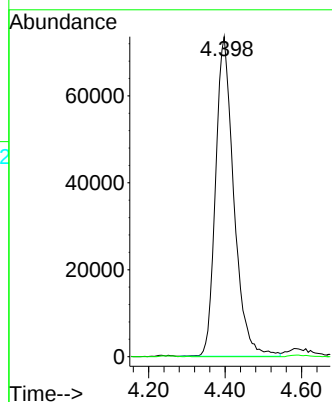
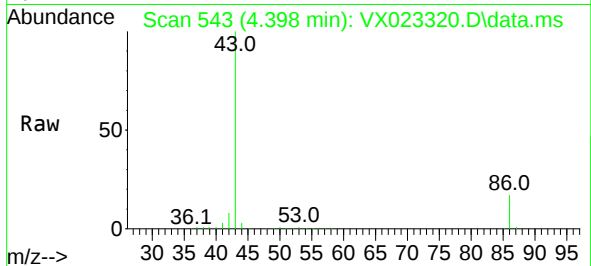




#25
2-Butanone
Concen: 128.275 ug/l
RT: 4.398 min Scan# 543
Delta R.T. -0.170 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

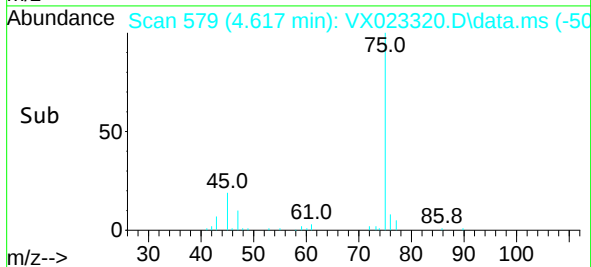
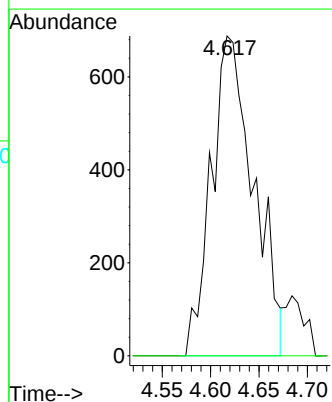
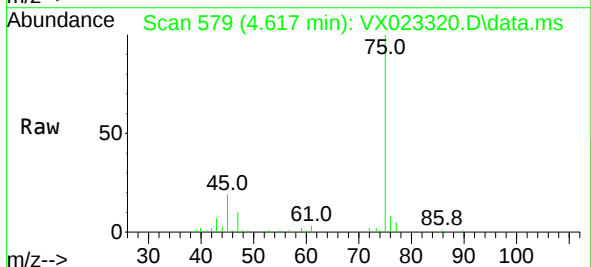
Instrument :
MSVOA_X
ClientSampleId :

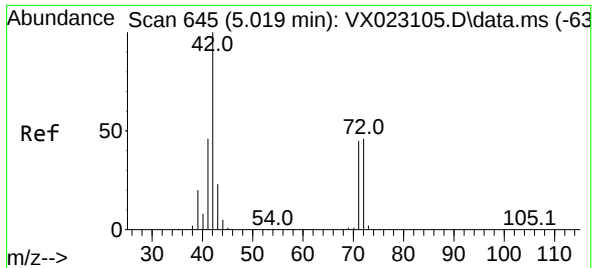
Tgt Ion: 43 Resp: 243194
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.571 ug/l
RT: 4.617 min Scan# 579
Delta R.T. 0.134 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

Tgt Ion: 77 Resp: 2090
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#





#29

Tetrahydrofuran

Concen: 0.259 ug/l

RT: 5.013 min Scan# 644

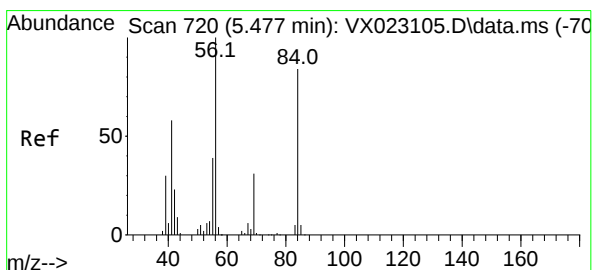
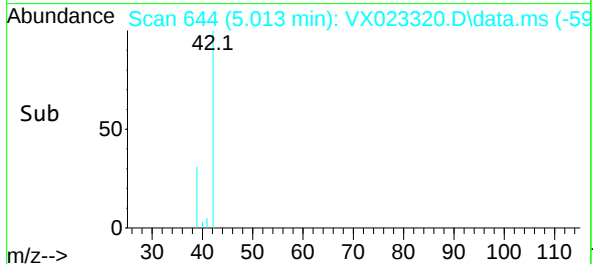
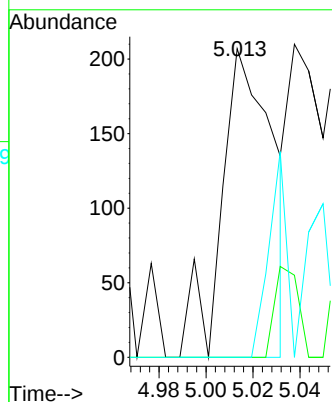
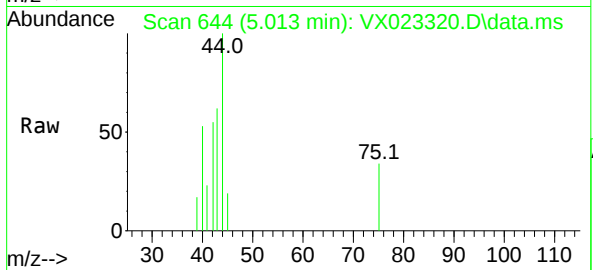
Delta R.T. -0.006 min

Lab File: VX023320.D

Acq: 16 Jul 2021 12:21

Tgt Ion:	42	Resp:	316
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.255 ug/l

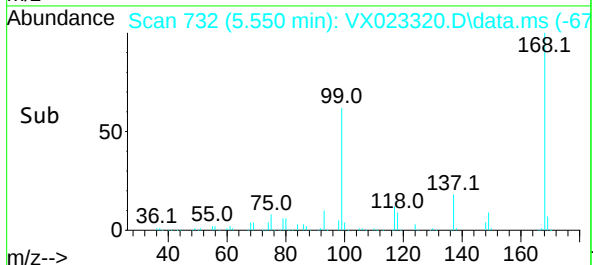
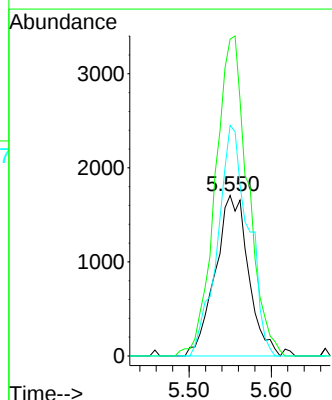
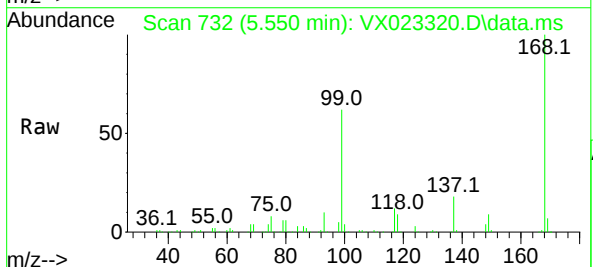
RT: 5.550 min Scan# 732

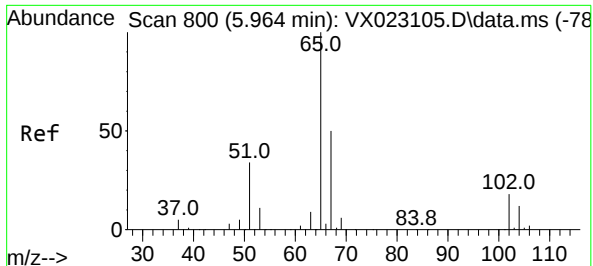
Delta R.T. 0.073 min

Lab File: VX023320.D

Acq: 16 Jul 2021 12:21

Tgt Ion:	56	Resp:	4776
Ion	Ratio	Lower	Upper
56	100		
69	194.3	25.3	37.9#
84	143.8	71.4	107.0#



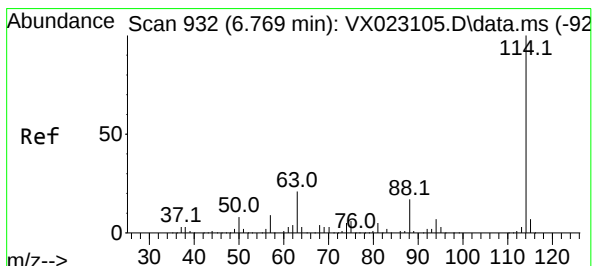
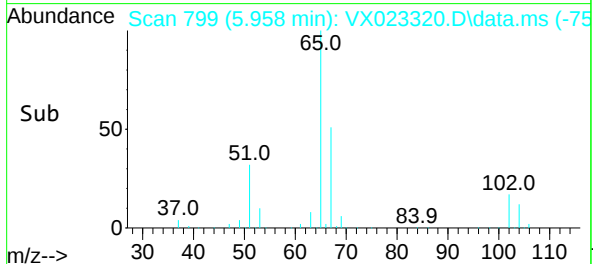
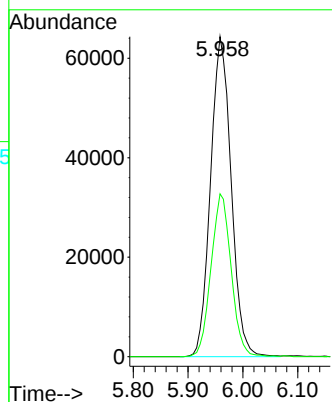
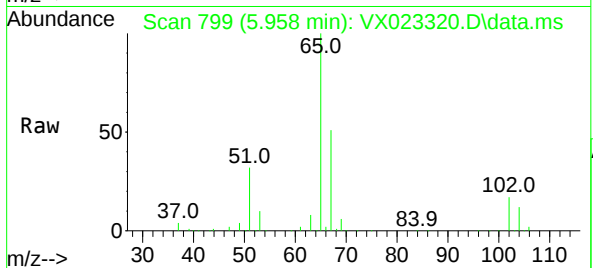


#33

1,2-Dichloroethane-d4
Concen: 52.873 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

Instrument :
MSVOA_X
ClientSampled :

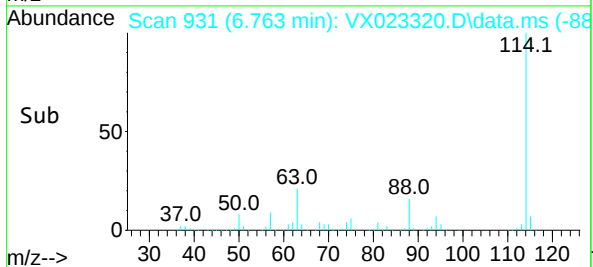
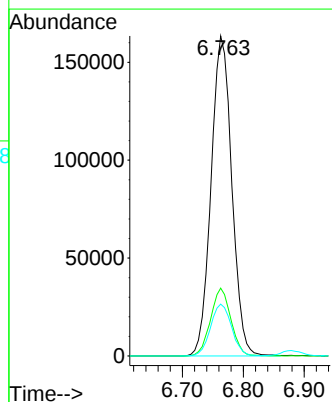
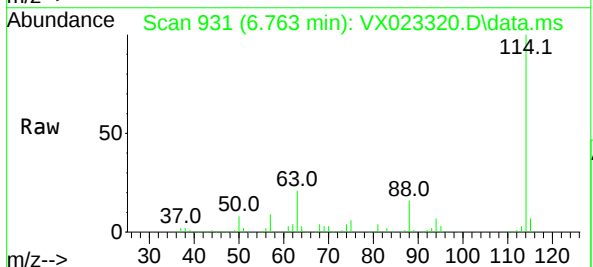
Tgt Ion: 65 Resp: 168022
Ion Ratio Lower Upper
65 100
67 49.7 0.0 105.4

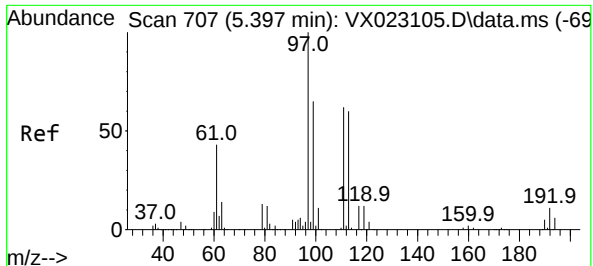


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

Tgt Ion: 114 Resp: 386471
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 16.2 0.0 32.8

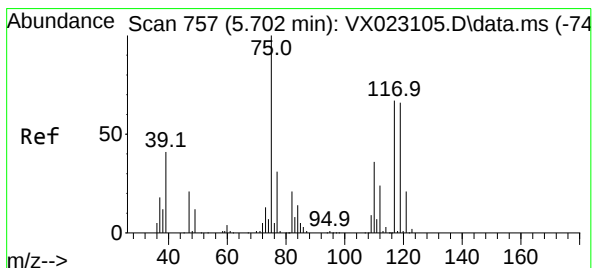
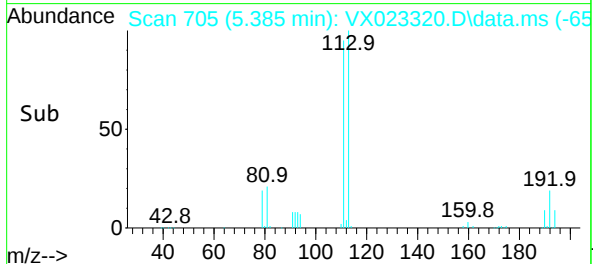
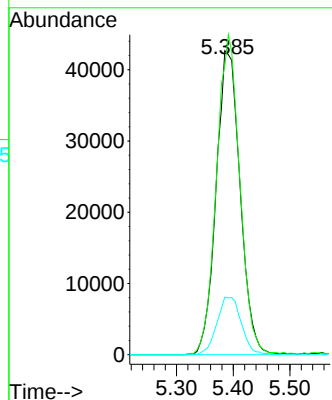
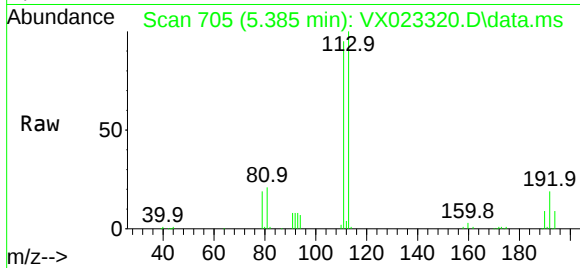




#35
Dibromofluoromethane
Concen: 50.263 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.012 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

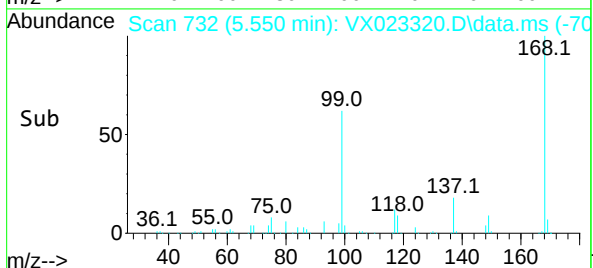
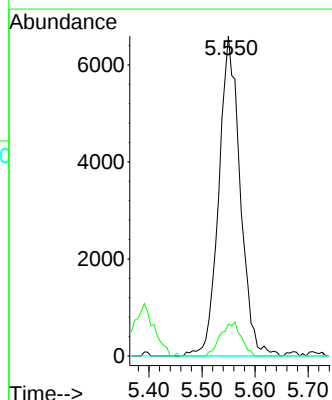
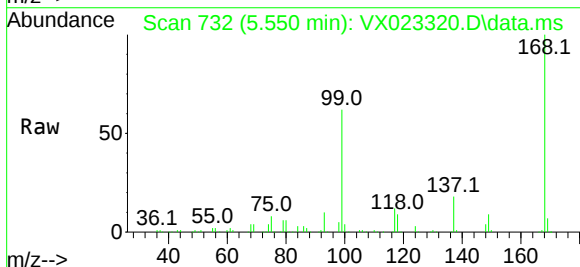
Instrument :
MSVOA_X
ClientSampleId :

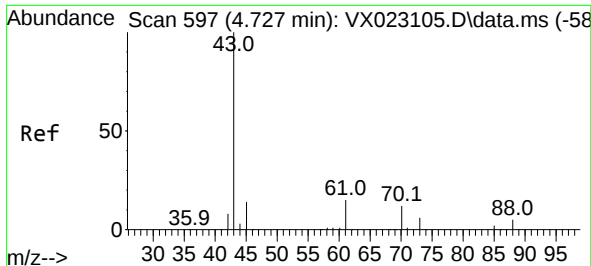
Tgt Ion:113 Resp: 125440
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 19.2 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.359 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.152 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

Tgt Ion: 75 Resp: 18462
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 1.532 ug/l

RT: 4.580 min Scan# 573

Delta R.T. -0.147 min

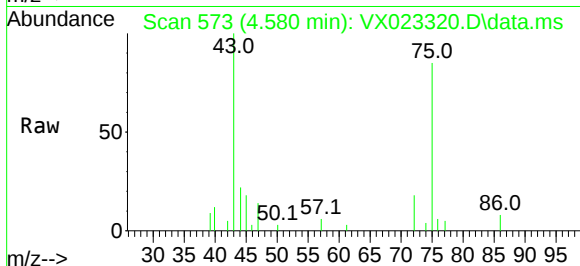
Lab File: VX023320.D

Acq: 16 Jul 2021 12:21

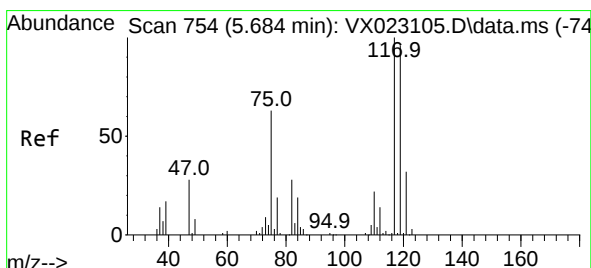
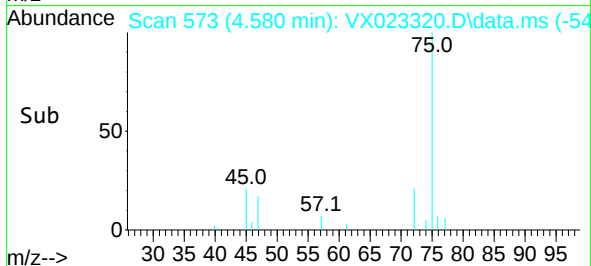
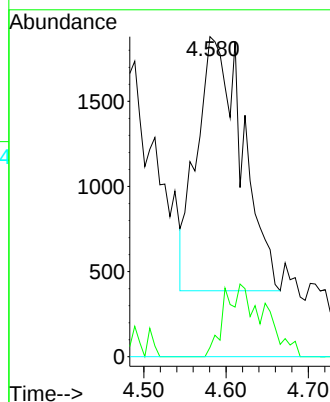
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	5757
Ion Ratio	100	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 7.010 ug/l

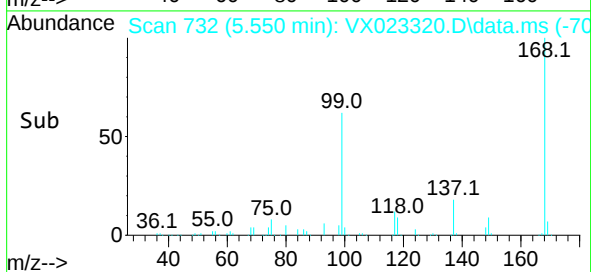
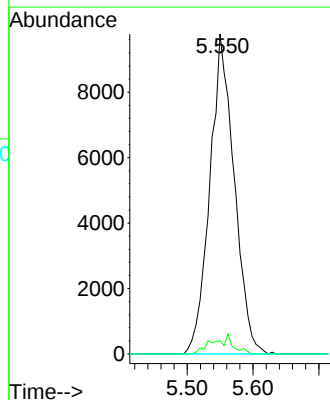
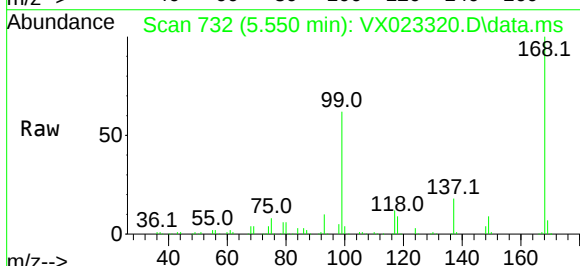
RT: 5.550 min Scan# 732

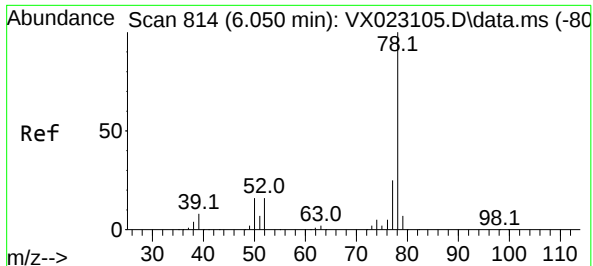
Delta R.T. -0.134 min

Lab File: VX023320.D

Acq: 16 Jul 2021 12:21

Tgt Ion:	117	Resp:	25209
Ion Ratio	100	Lower	Upper
117	100		
119	4.1	76.2	114.2#
121	0.0	24.8	37.2#

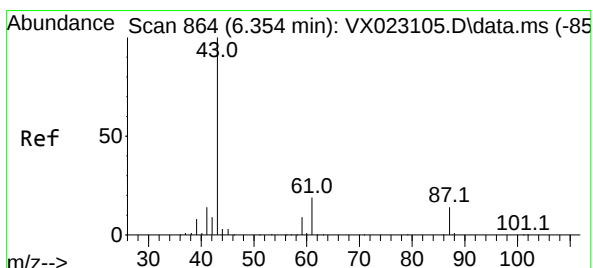
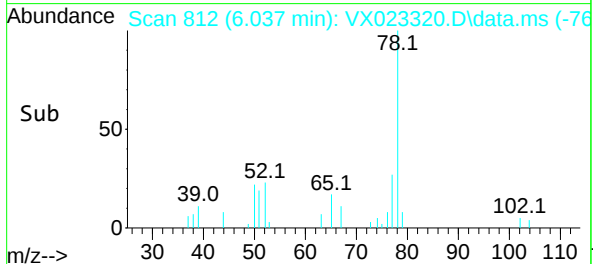
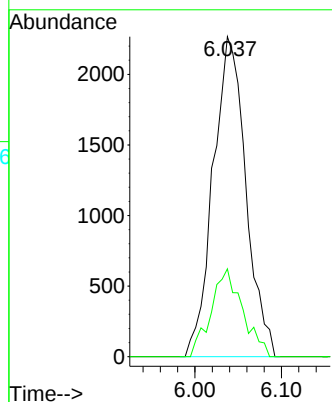
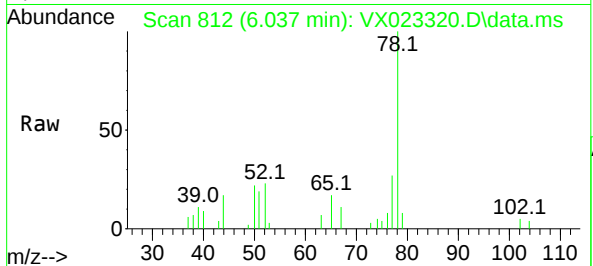




#40
Benzene
Concen: 0.595 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.013 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

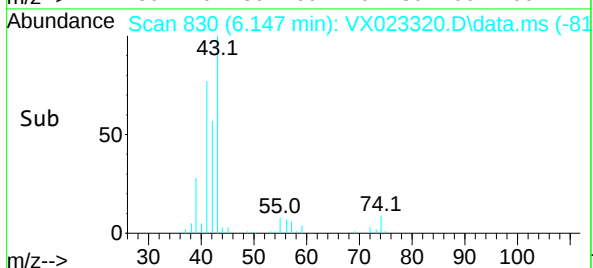
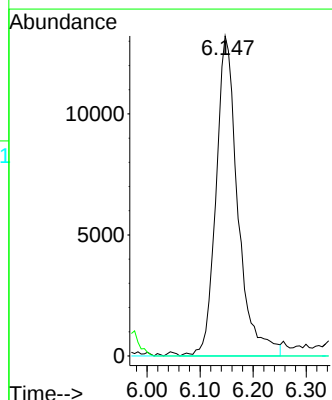
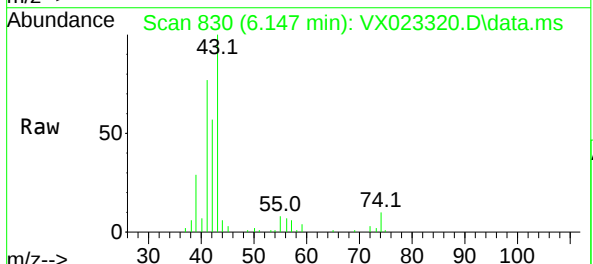
Instrument :
MSVOA_X
ClientSampled :

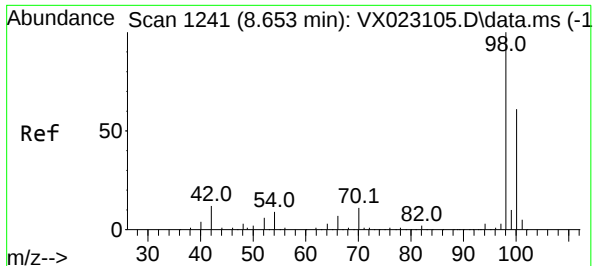
Tgt Ion: 78 Resp: 5951
Ion Ratio Lower Upper
78 100
77 27.4 18.9 28.3



#43
Isopropyl Acetate
Concen: 6.056 ug/l
RT: 6.147 min Scan# 830
Delta R.T. -0.207 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

Tgt Ion: 43 Resp: 37857
Ion Ratio Lower Upper
43 100
61 0.0 18.2 27.4#
87 0.0 12.5 18.7#

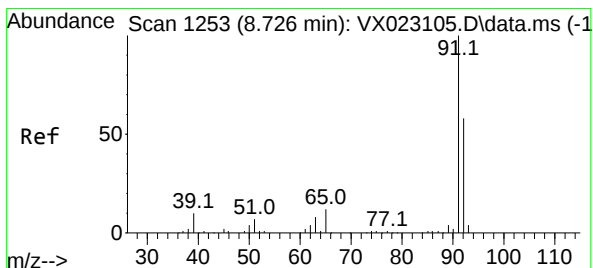
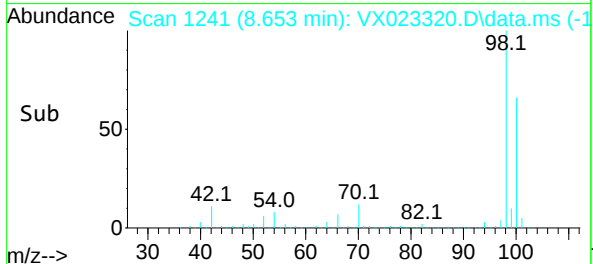
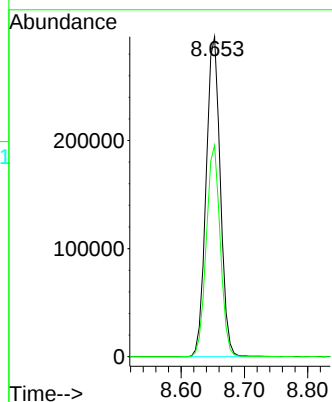
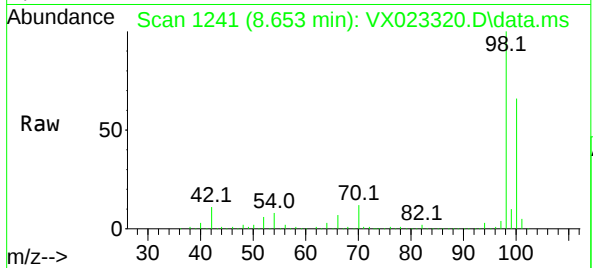




#50
Toluene-d8
Concen: 49.737 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

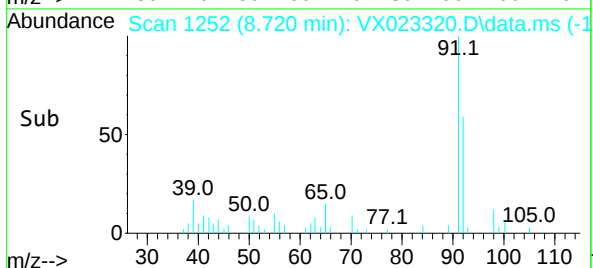
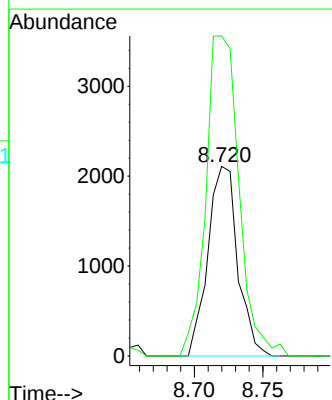
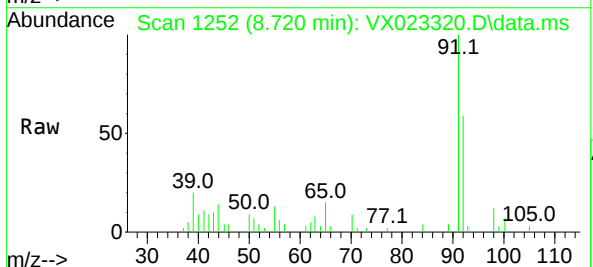
Instrument :
MSVOA_X
ClientSampled :

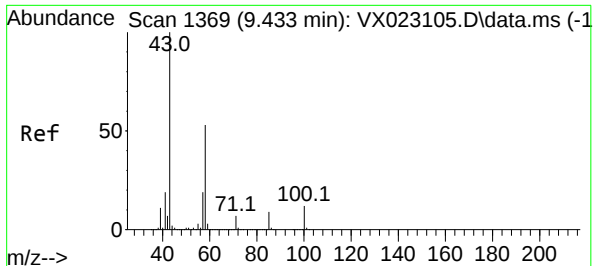
Tgt Ion: 98 Resp: 463021
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



#52
Toluene
Concen: 0.492 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

Tgt Ion: 92 Resp: 3188
Ion Ratio Lower Upper
92 100
91 187.9 137.1 205.7

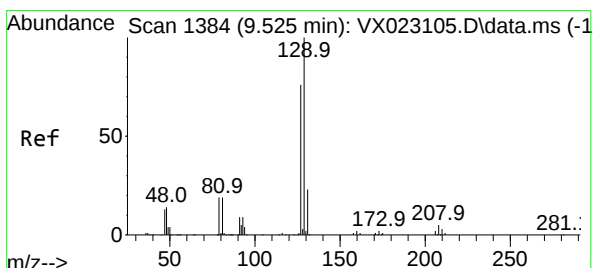
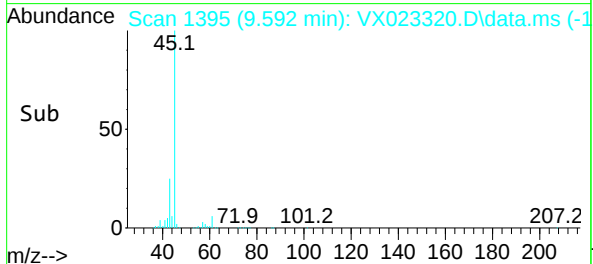
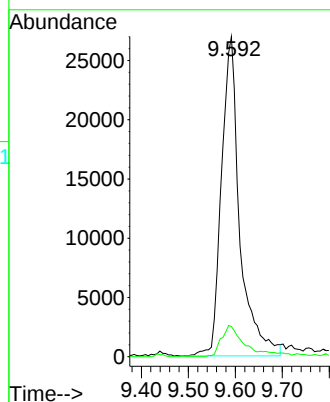
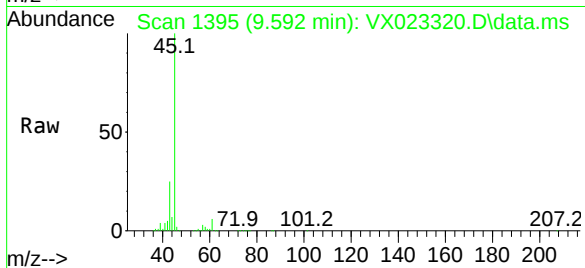




#59
2-Hexanone
Concen: 24.611 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. 0.159 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

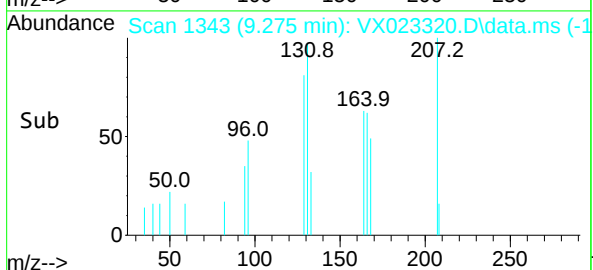
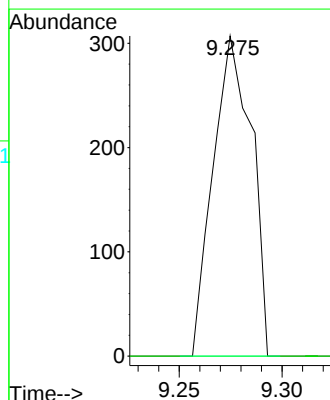
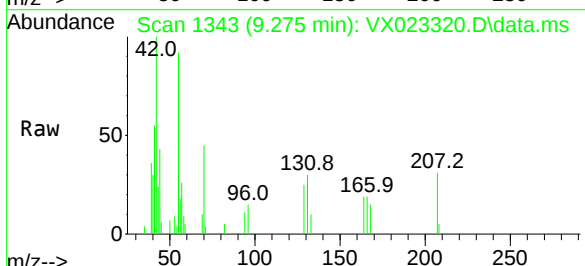
Instrument :
MSVOA_X
ClientSampled :

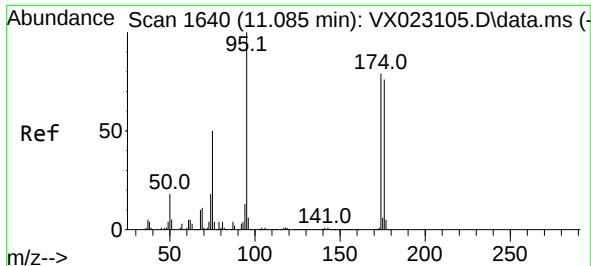
Tgt Ion: 43 Resp: 73151
Ion Ratio Lower Upper
43 100
58 10.8 30.9 92.8#



#60
Dibromochloromethane
Concen: 3.236 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

Tgt Ion: 129 Resp: 399
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

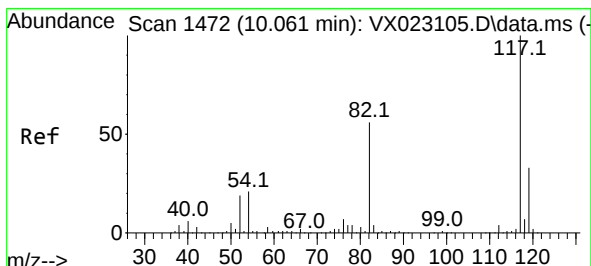
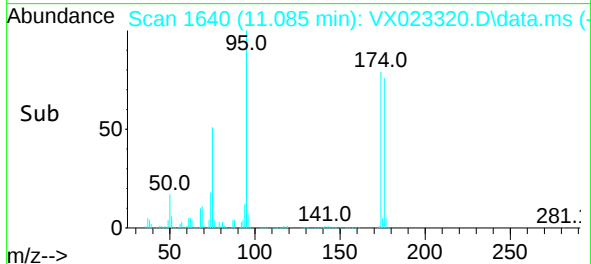
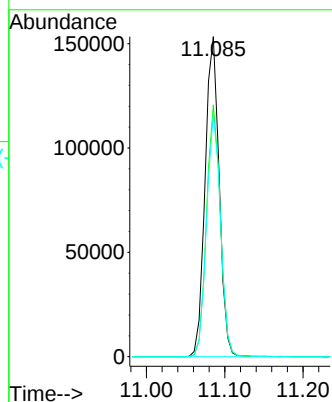
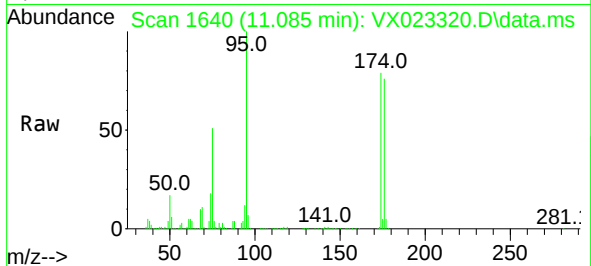




#62
4-Bromofluorobenzene
Concen: 53.040 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

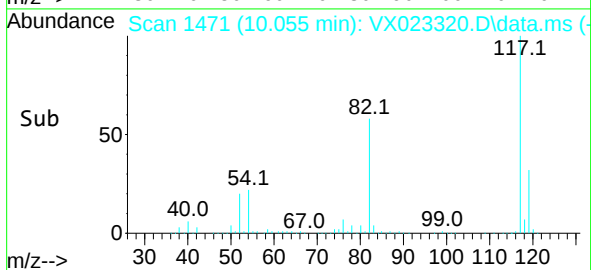
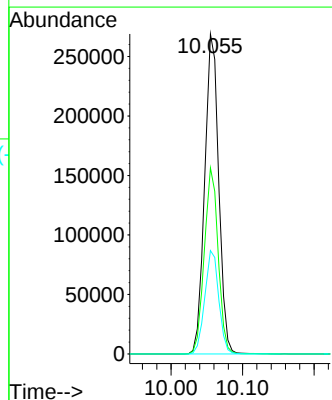
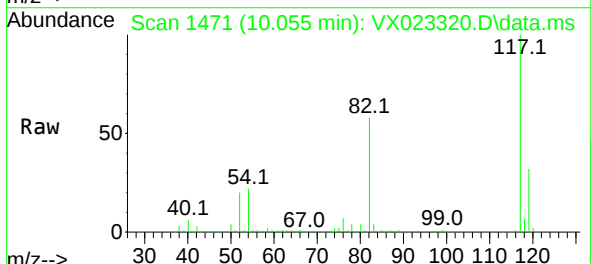
Instrument :
MSVOA_X
ClientSampled :

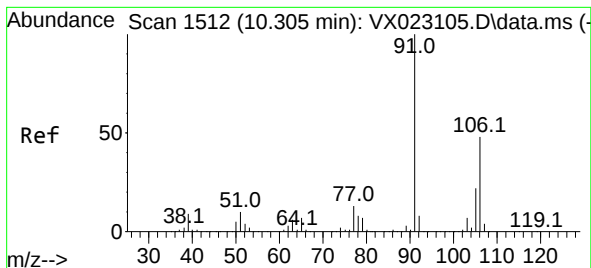
Tgt Ion: 95 Resp: 190625
Ion Ratio Lower Upper
95 100
174 77.4 0.0 154.6
176 75.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

Tgt Ion: 117 Resp: 366767
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 32.3 26.6 39.8

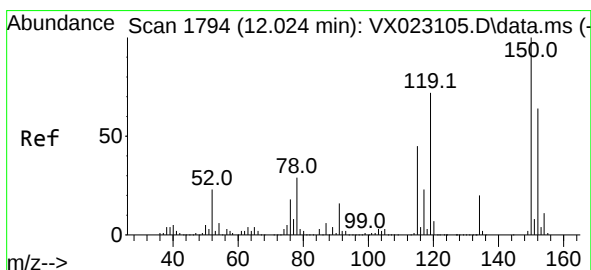
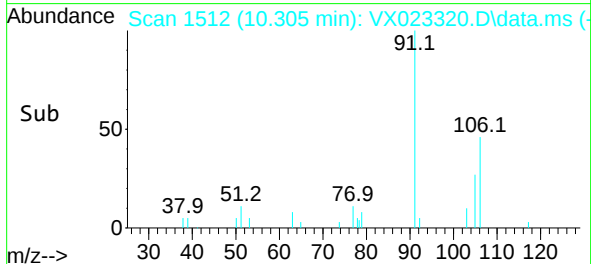
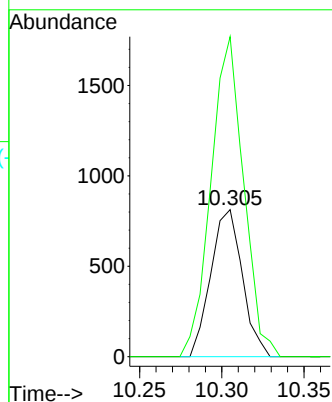
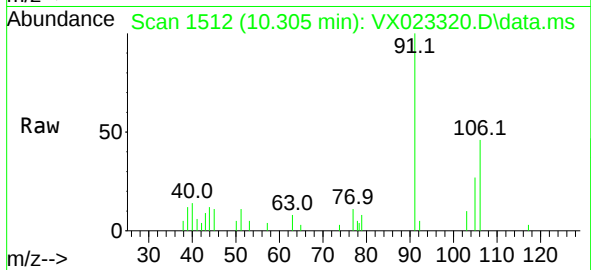




#68
m/p-Xylenes
Concen: 0.222 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

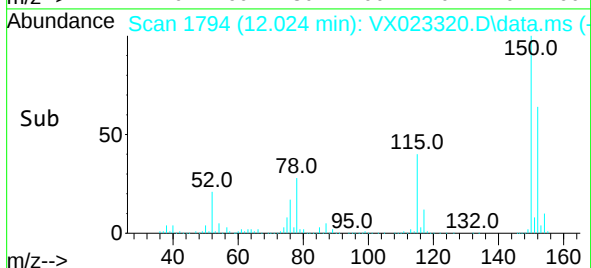
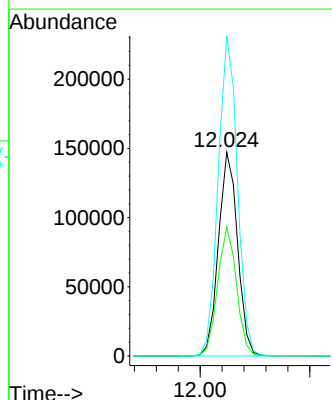
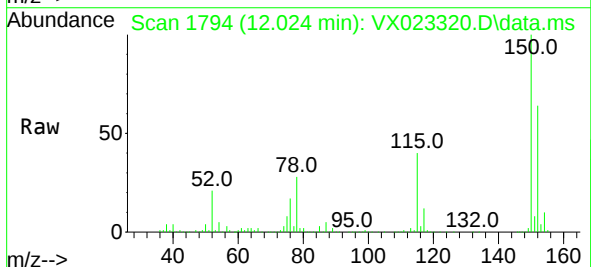
Instrument :
MSVOA_X
ClientSampled :

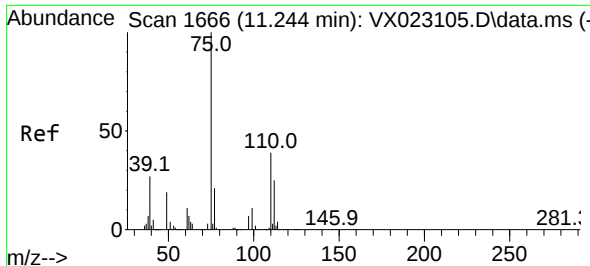
Tgt Ion:106 Resp: 1085
Ion Ratio Lower Upper
106 100
91 225.3 162.8 244.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

Tgt Ion:152 Resp: 178179
Ion Ratio Lower Upper
152 100
115 62.4 41.1 123.3
150 158.3 0.0 349.0

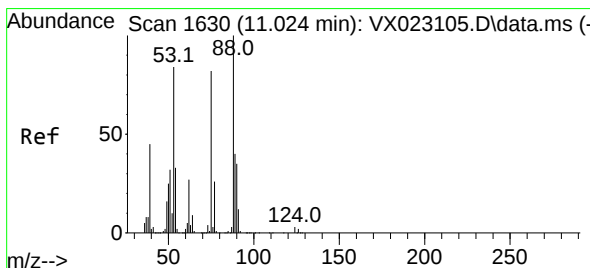
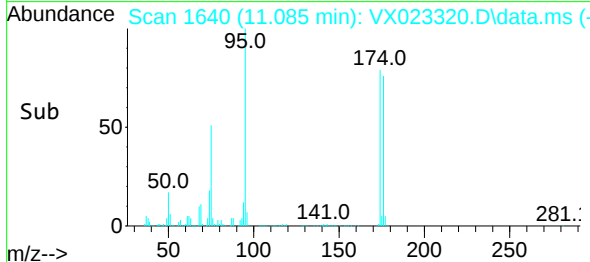
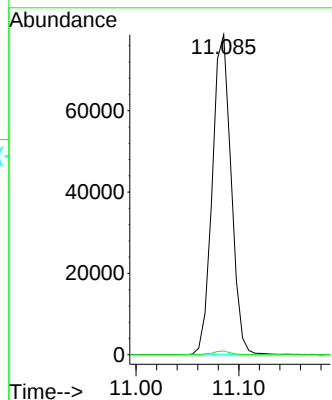
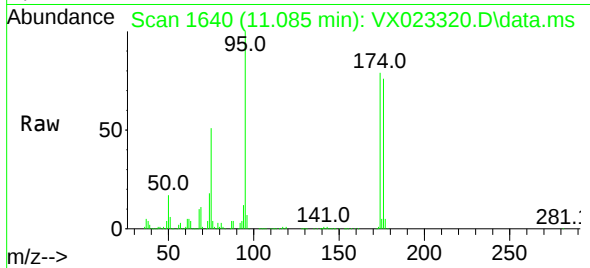




#76
1,2,3-Trichloropropane
Concen: 27.871 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

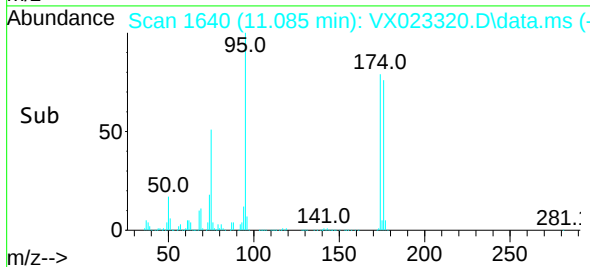
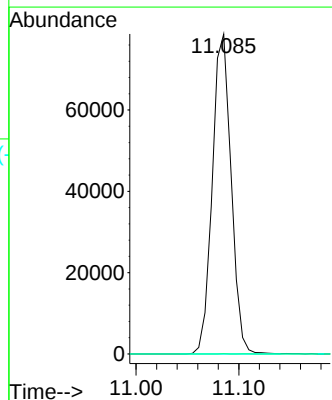
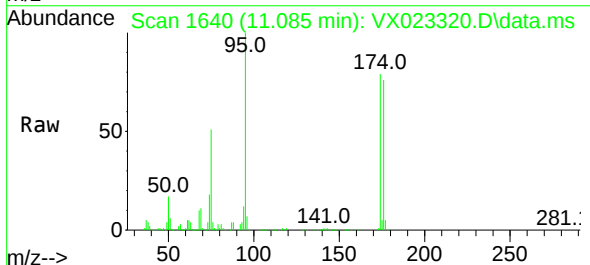
Instrument :
MSVOA_X
ClientSampled :

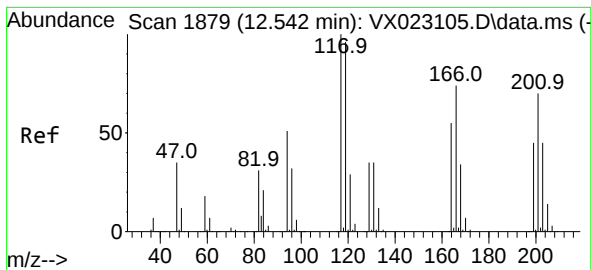
Tgt Ion: 75 Resp: 99933
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.172 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

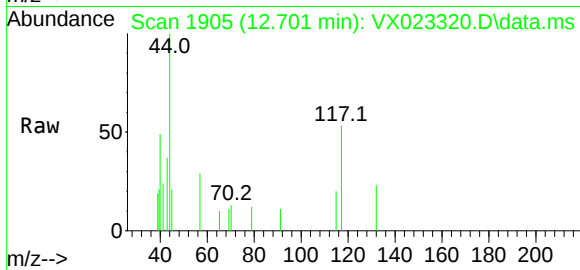
Tgt Ion: 75 Resp: 99933
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



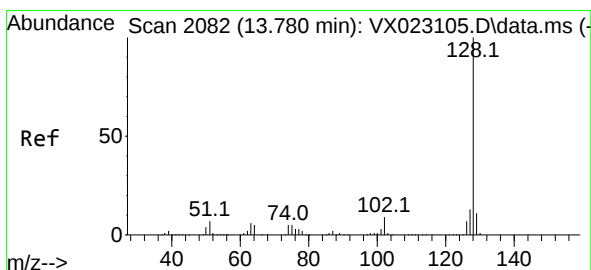
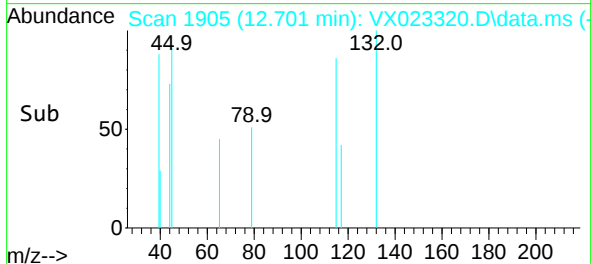
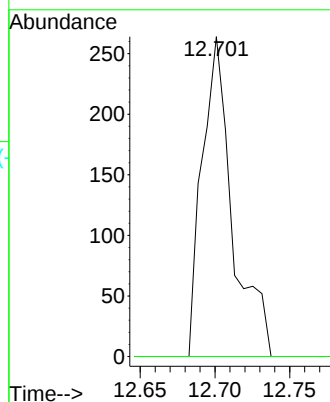


#90
Hexachloroethane
Concen: 3.180 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:117 Resp: 372
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#95
Naphthalene
Concen: 1.995 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023320.D
Acq: 16 Jul 2021 12:21

Tgt Ion:128 Resp: 9818
Ion Ratio Lower Upper
128 100
127 16.0 10.3 15.5#
129 13.6 8.8 13.2#

