

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071321\
 Data File : VX023266.D
 Acq On : 13 Jul 2021 16:40
 Operator : JC/MD
 Sample : M3024-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 14 04:53:41 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)

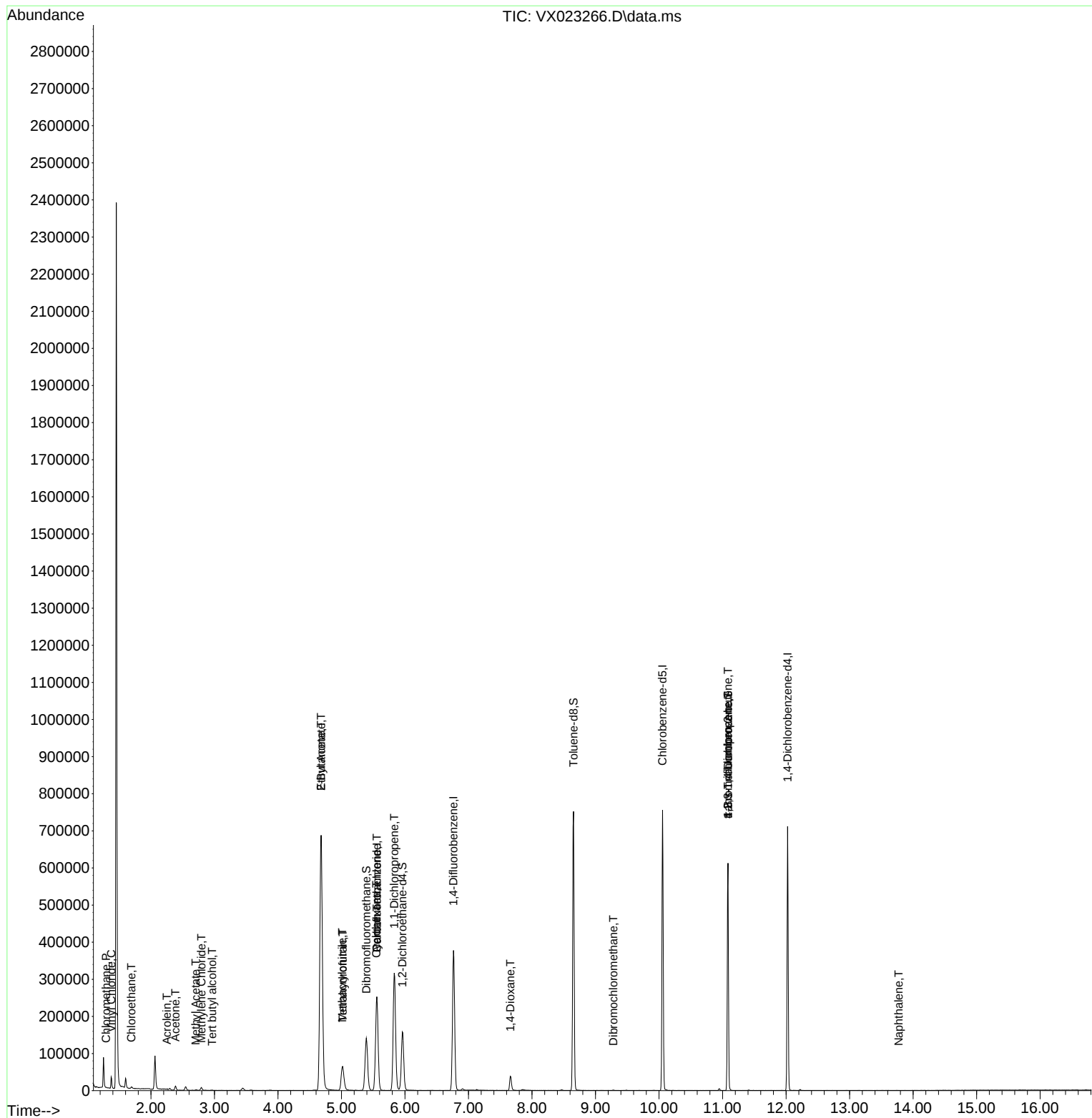
Internal Standards						
1) Pentafluorobenzene	5.556	168	233686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	383992	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	336375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159672	50.839	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	101.680%		
35) Dibromofluoromethane	5.391	113	122347	49.340	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.680%		
50) Toluene-d8	8.653	98	451519	48.814	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.620%		
62) 4-Bromofluorobenzene	11.085	95	162078	45.388	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.780%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	425	0.203	ug/l	94
4) Vinyl Chloride	1.374	62	17651	7.954	ug/l	96
5) Bromomethane	1.624	94	456	Below Cal	#	68
6) Chloroethane	1.691	64	2628	1.811	ug/l #	88
11) Tert butyl alcohol	2.965	59	534	0.808	ug/l #	73
13) Acrolein	2.252	56	267	0.607	ug/l	99
16) Acetone	2.386	43	11154	8.977	ug/l	94
18) Methyl Acetate	2.703	43	1986	0.658	ug/l #	47
20) Methylene Chloride	2.794	84	3597	1.345	ug/l	90
25) 2-Butanone	4.678	43	174734	93.255	ug/l #	48
29) Tetrahydrofuran	5.019	42	61257	50.858	ug/l	91
31) Cyclohexane	5.550	56	4891	1.301	ug/l #	22
36) 1,1-Dichloropropene	5.830	75	1484	0.434	ug/l #	41
37) Ethyl Acetate	4.678	43	174734	46.792	ug/l #	65
38) Carbon Tetrachloride	5.556	117	24591	6.882	ug/l #	17
41) Methacrylonitrile	5.013	41	35819	17.158	ug/l #	43
49) 1,4-Dioxane	7.659	88	29109	424.358	ug/l	99
60) Dibromochloromethane	9.281	129	51	3.128	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	83120	28.936	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	83120	77.862	ug/l #	12
95) Naphthalene	13.774	128	132	1.288	ug/l #	69

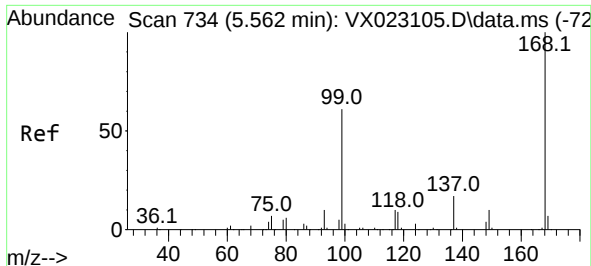
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 14 04:53:41 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

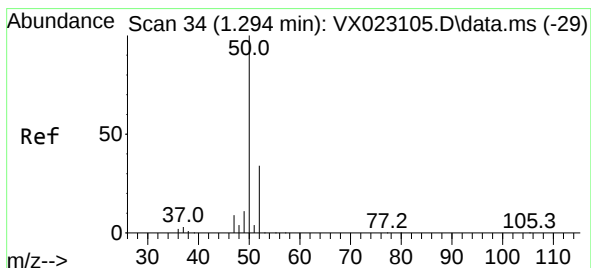
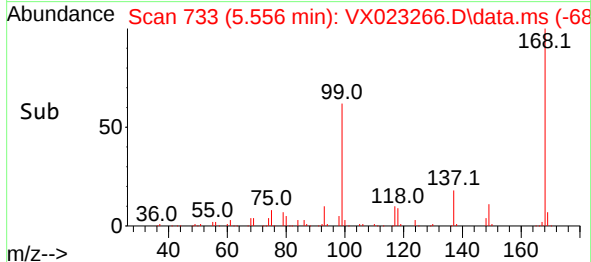
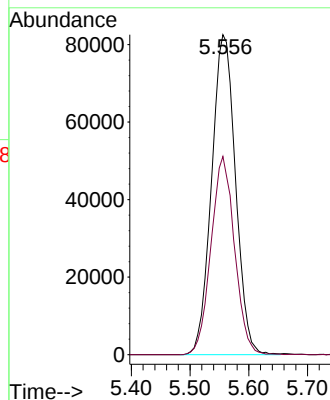
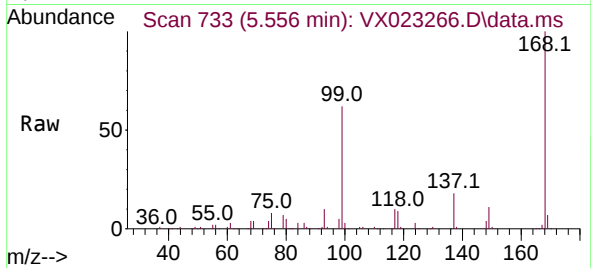




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

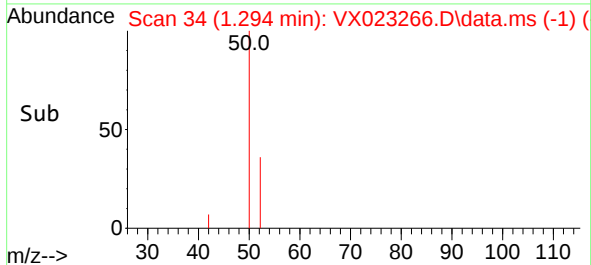
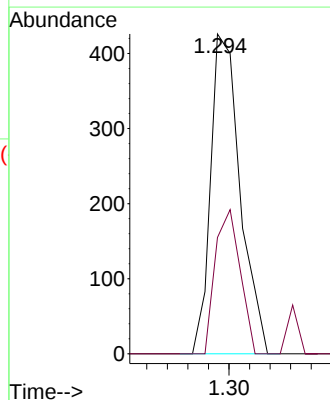
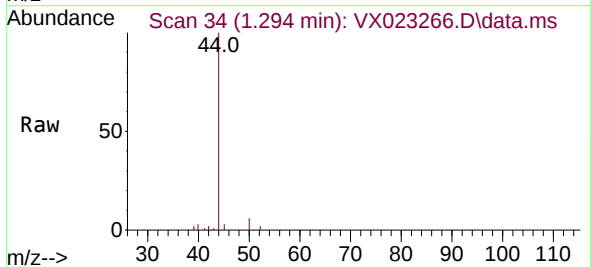
Instrument :
MSVOA_X
ClientSampled :

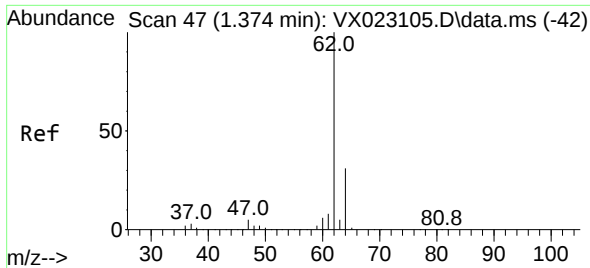
Tgt Ion:168 Resp: 233686
Ion Ratio Lower Upper
168 100
99 62.0 45.8 68.6



#3
Chloromethane
Concen: 0.203 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

Tgt Ion: 50 Resp: 425
Ion Ratio Lower Upper
50 100
52 36.4 26.4 39.6

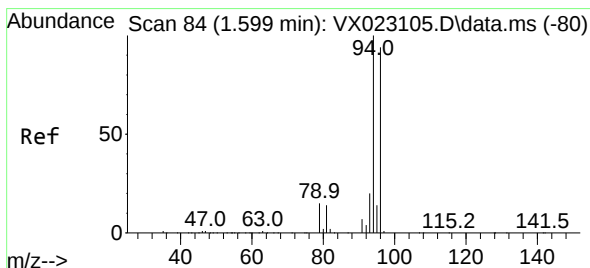
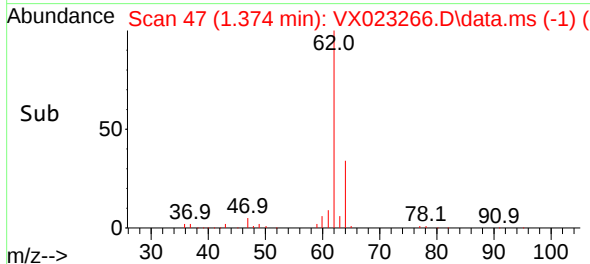
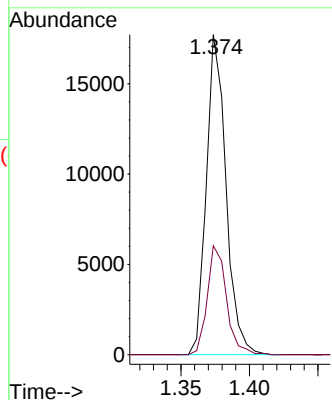
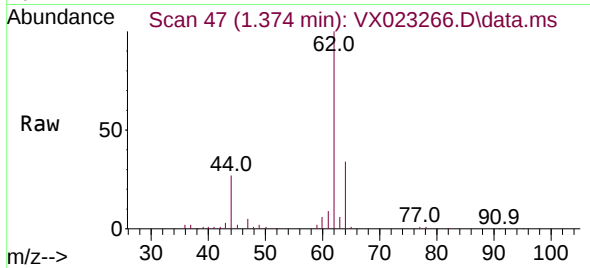




#4
 Vinyl Chloride
 Concen: 7.954 ug/l
 RT: 1.374 min Scan# 47
 Delta R.T. -0.000 min
 Lab File: VX023266.D
 Acq: 13 Jul 2021 16:40

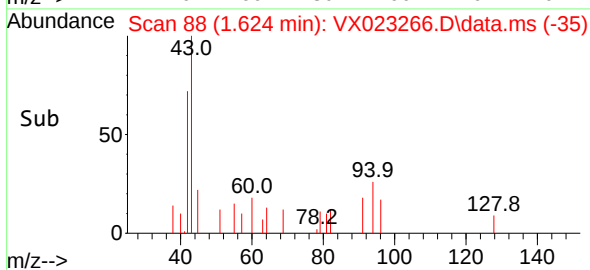
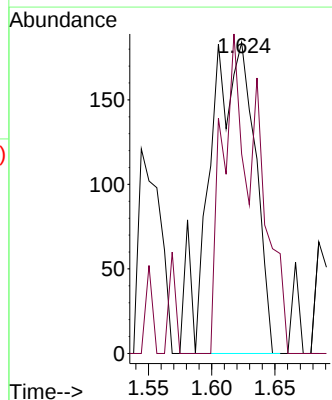
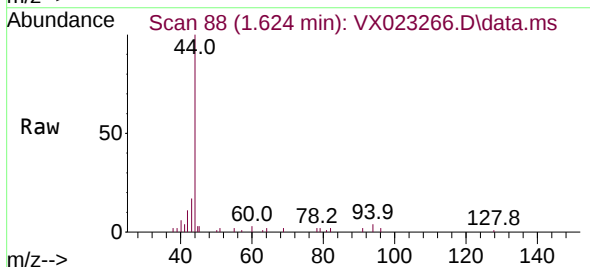
Instrument :
 MSVOA_X
 ClientSampleId :

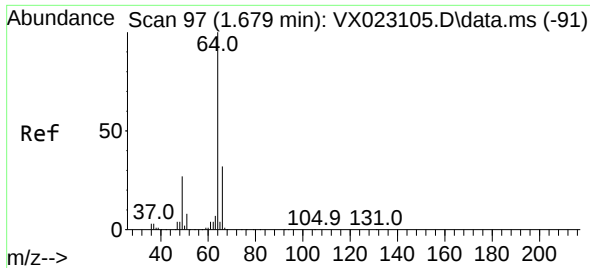
Tgt Ion: 62 Resp: 17651
 Ion Ratio Lower Upper
 62 100
 64 34.1 25.7 38.5



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.624 min Scan# 88
 Delta R.T. 0.025 min
 Lab File: VX023266.D
 Acq: 13 Jul 2021 16:40

Tgt Ion: 94 Resp: 456
 Ion Ratio Lower Upper
 94 100
 96 64.1 76.4 114.6#

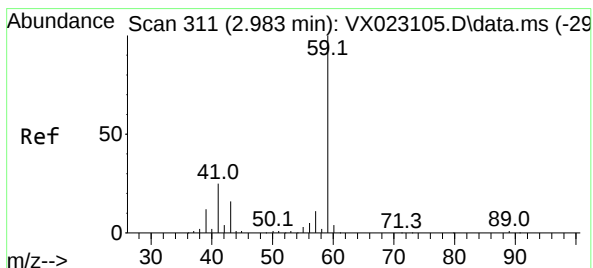
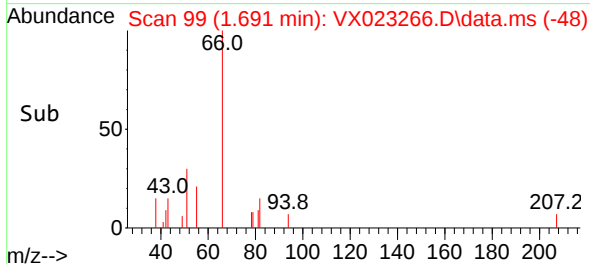
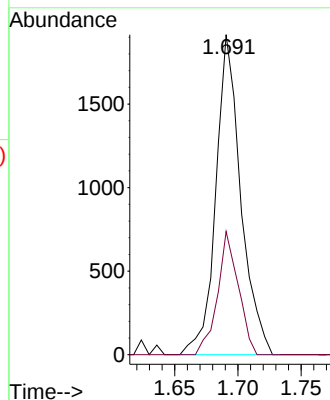
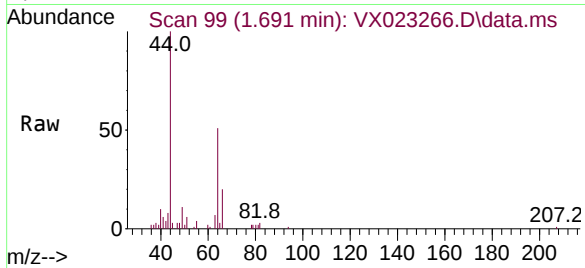




#6
Chloroethane
Concen: 1.811 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

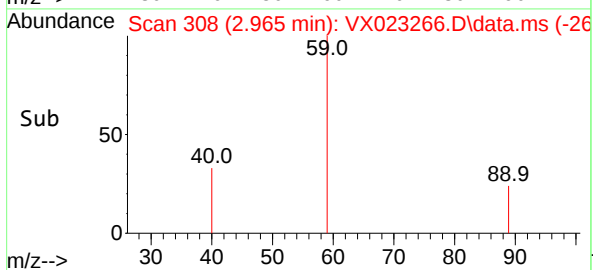
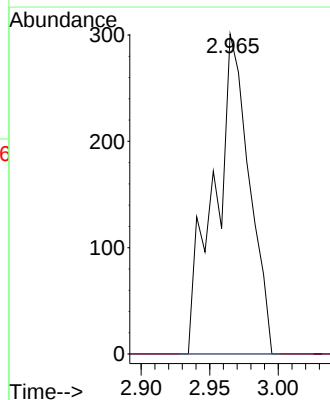
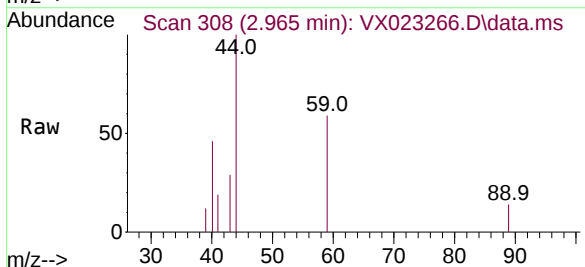
Instrument :
MSVOA_X
ClientSampled :

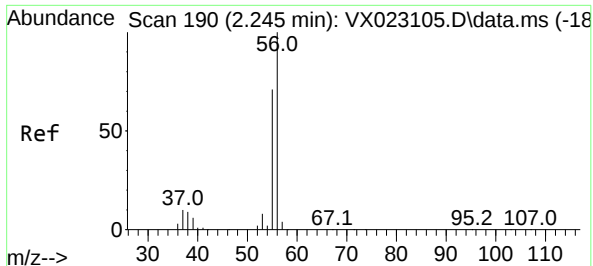
Tgt Ion: 64 Resp: 2628
Ion Ratio Lower Upper
64 100
66 38.5 25.4 38.0#



#11
Tert butyl alcohol
Concen: 0.808 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

Tgt Ion: 59 Resp: 534
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

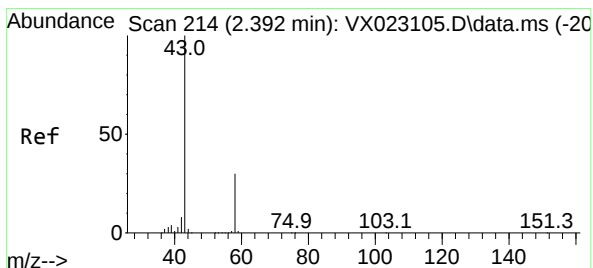
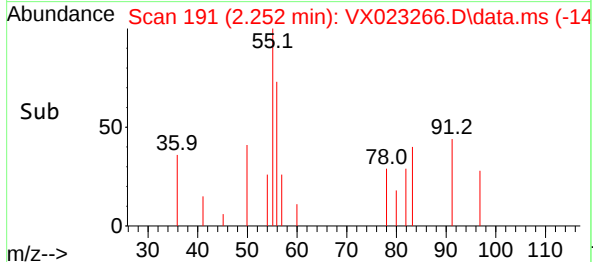
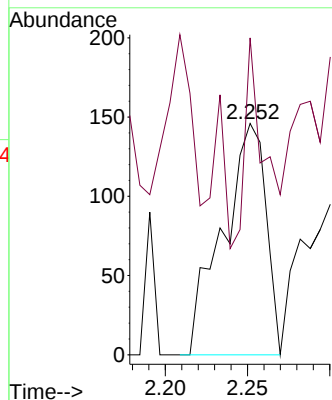
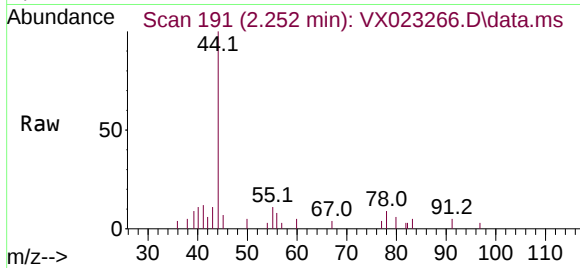




#13
Acrolein
Concen: 0.607 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.007 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

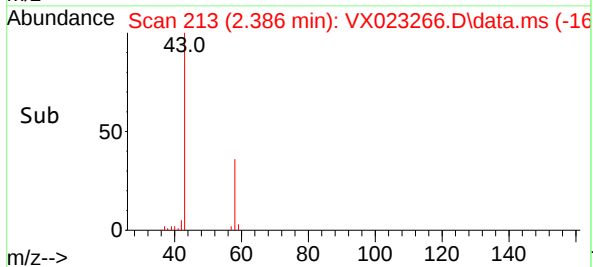
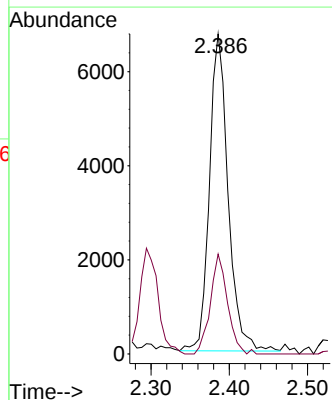
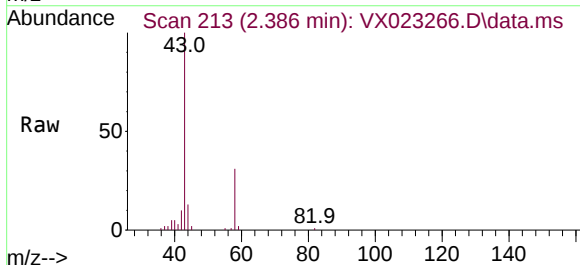
Instrument :
MSVOA_X
ClientSampled :

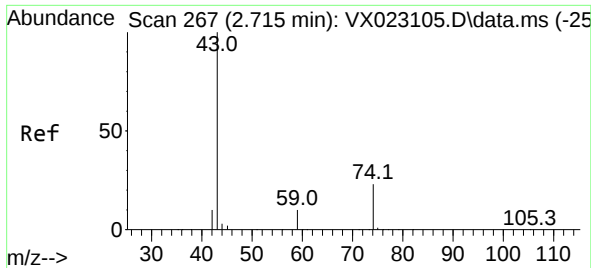
Tgt Ion: 56 Resp: 267
Ion Ratio Lower Upper
56 100
55 69.7 56.4 84.6



#16
Acetone
Concen: 8.977 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

Tgt Ion: 43 Resp: 11154
Ion Ratio Lower Upper
43 100
58 31.6 27.8 41.8

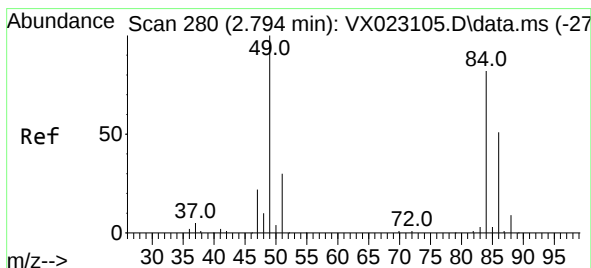
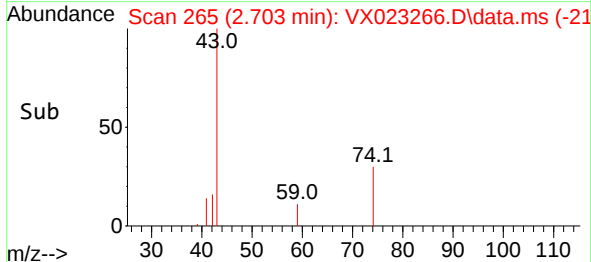
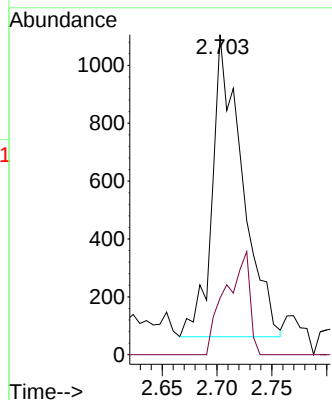
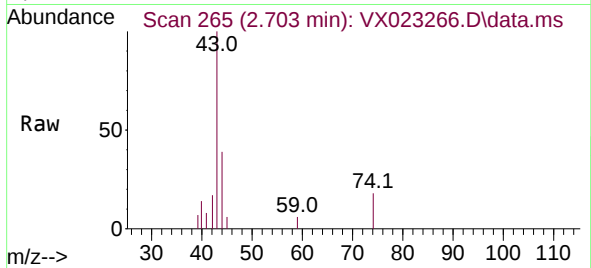




#18
Methyl Acetate
Concen: 0.658 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.012 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

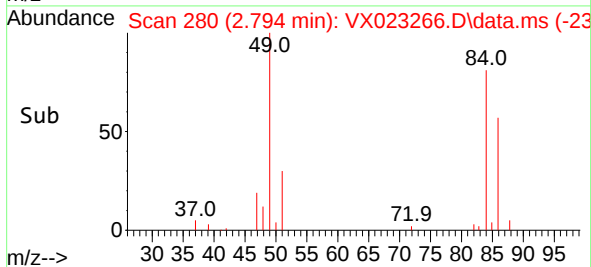
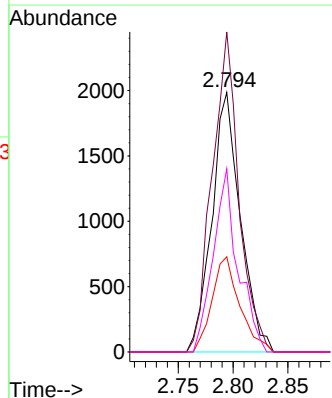
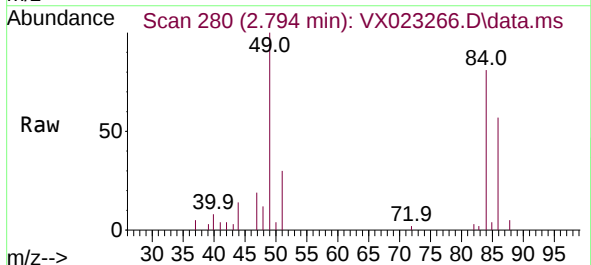
Instrument :
MSVOA_X
ClientSampled :

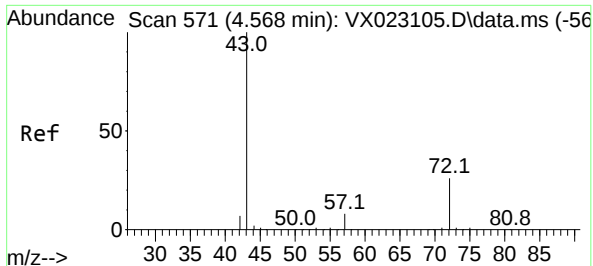
Tgt Ion: 43 Resp: 1986
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 1.345 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

Tgt Ion: 84 Resp: 3597
Ion Ratio Lower Upper
84 100
49 123.3 88.6 132.8
51 36.7 27.0 40.6
86 70.6 50.3 75.5

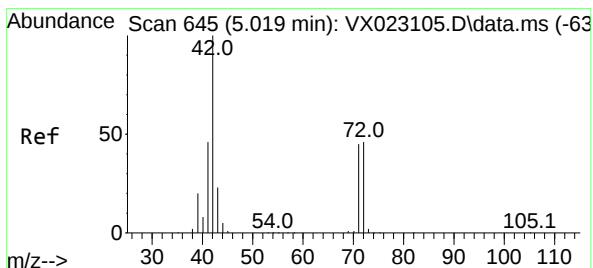
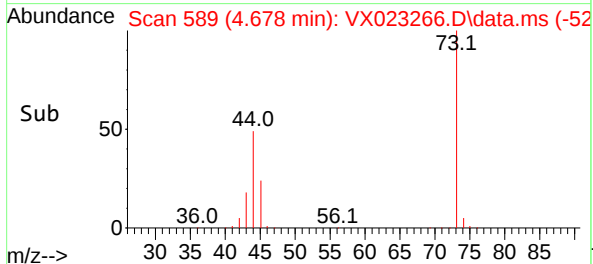
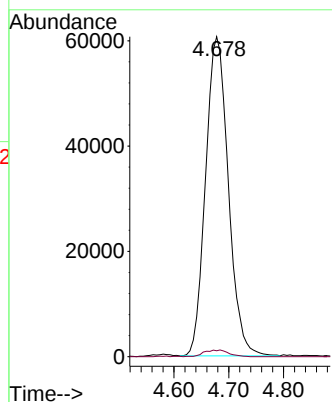
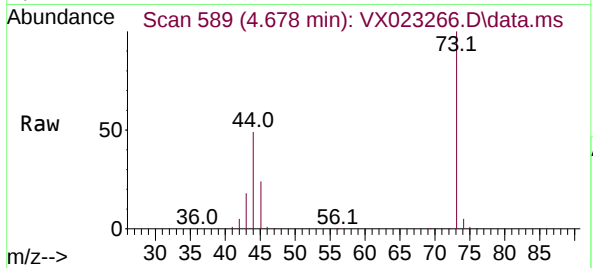




#25
2-Butanone
Concen: 93.255 ug/l
RT: 4.678 min Scan# 589
Delta R.T. 0.110 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

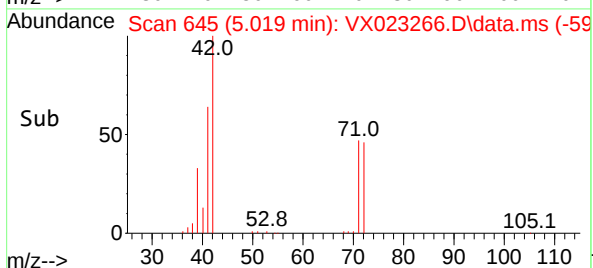
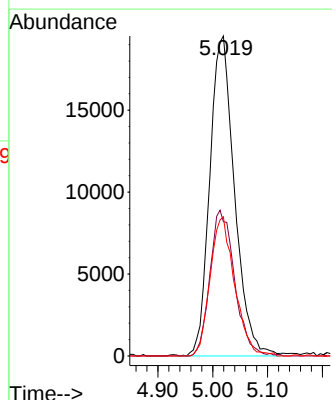
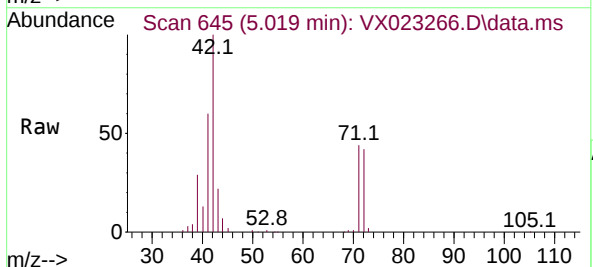
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MSVOA_X
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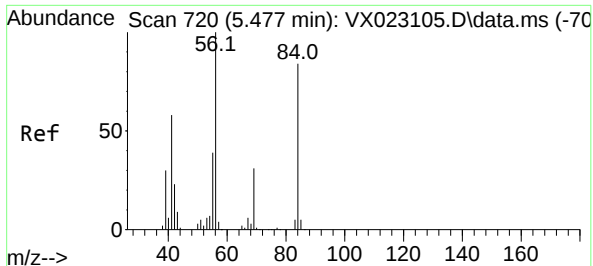
Tgt Ion: 43 Resp: 174734
Ion Ratio Lower Upper
43 100
72 1.8 23.7 35.5#



#29
Tetrahydrofuran
Concen: 50.858 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.000 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

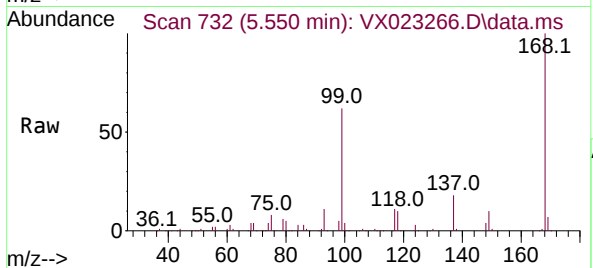
Tgt Ion: 42 Resp: 61257
Ion Ratio Lower Upper
42 100
72 45.4 41.7 62.5
71 43.0 38.4 57.6



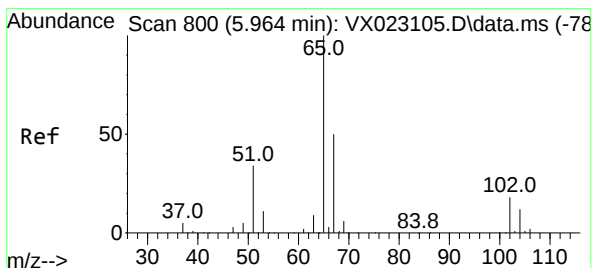
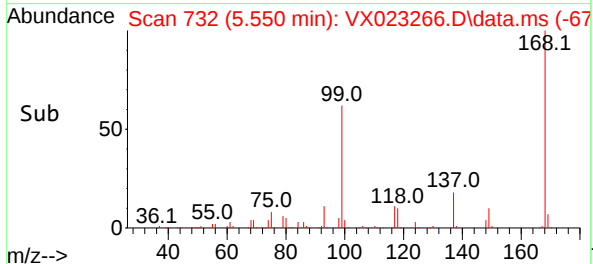
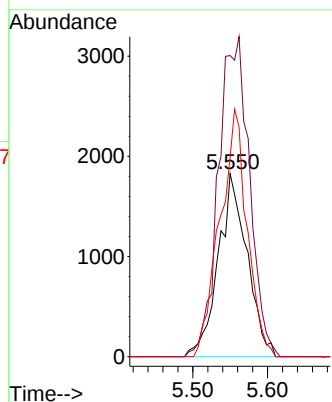


#31
Cyclohexane
Concen: 1.301 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

Instrument :
MSVOA_X
ClientSampled :

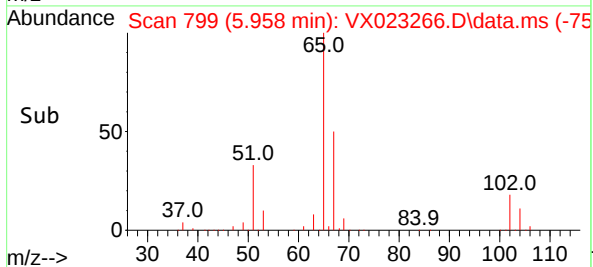
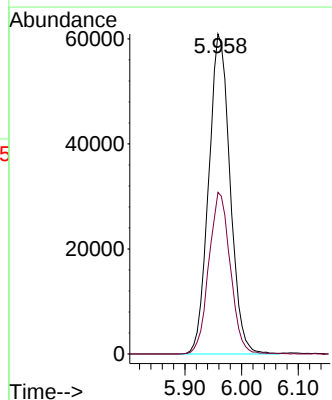
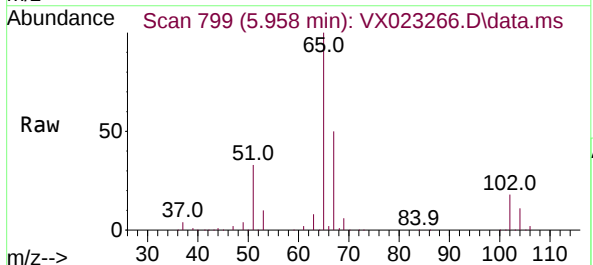


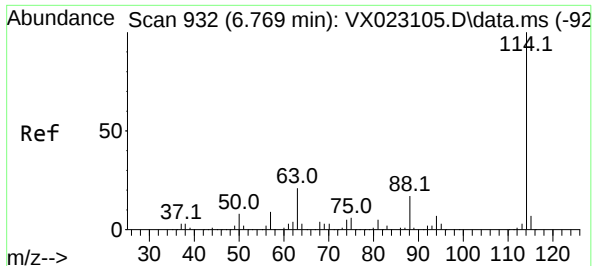
Tgt Ion: 56 Resp: 4891
Ion Ratio Lower Upper
56 100
69 164.6 25.3 37.9#
84 108.9 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.839 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

Tgt Ion: 65 Resp: 159672
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4

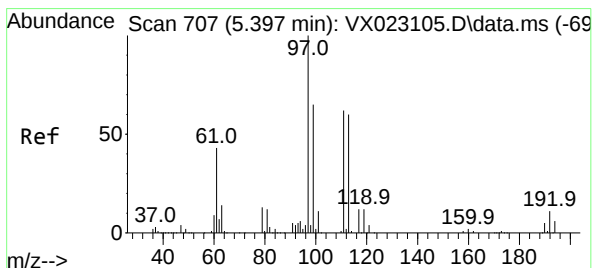
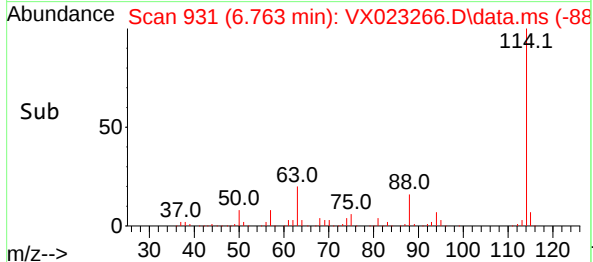
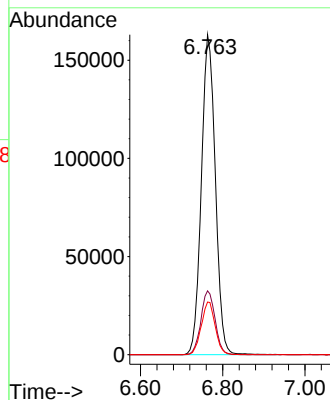
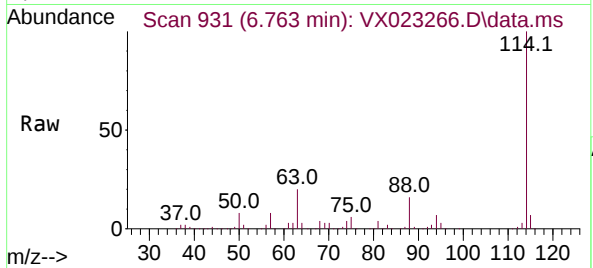




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

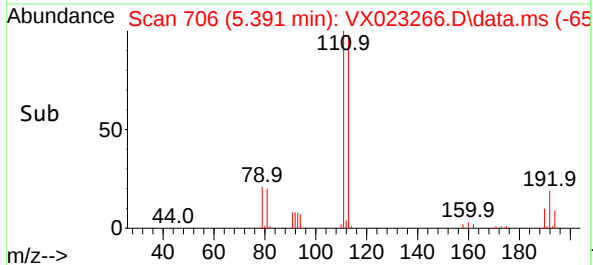
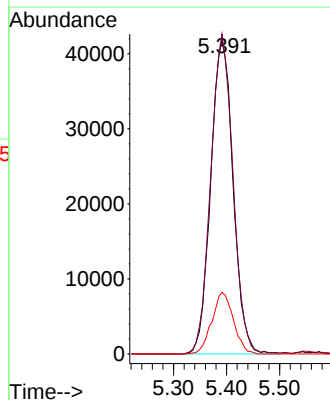
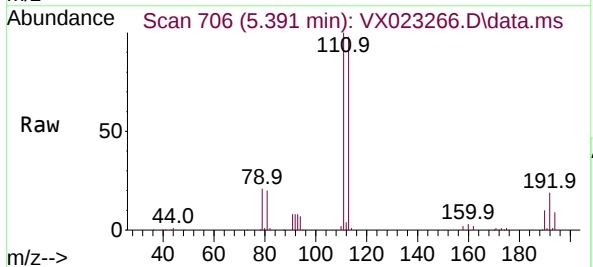
Instrument :
MSVOA_X
ClientSampled :

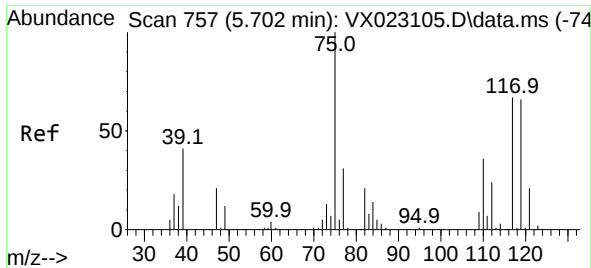
Tgt Ion:114 Resp: 383992
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.340 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

Tgt Ion:113 Resp: 122347
Ion Ratio Lower Upper
113 100
111 101.7 81.9 122.9
192 19.0 16.7 25.1

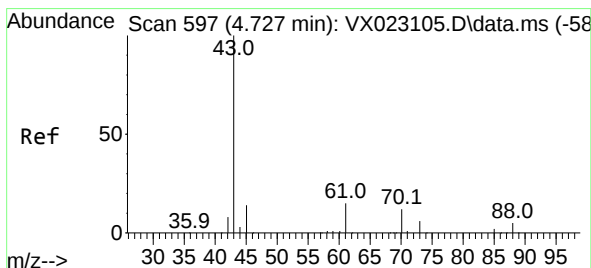
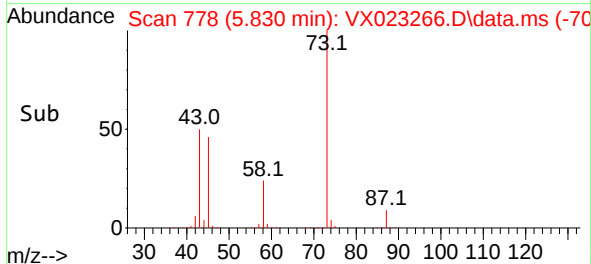
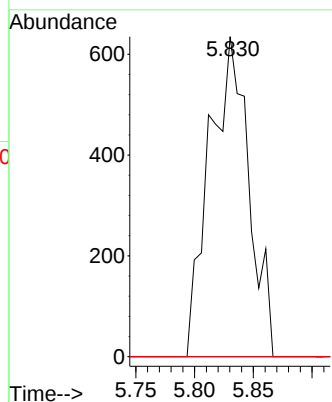
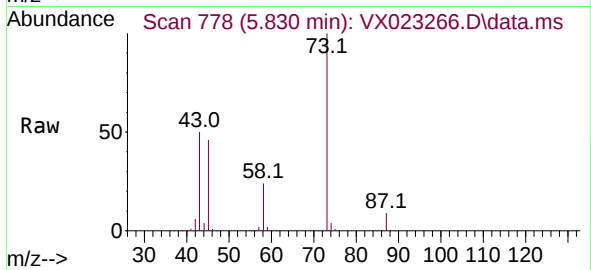




#36
1,1-Dichloropropene
Concen: 0.434 ug/l
RT: 5.830 min Scan# 778
Delta R.T. 0.128 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

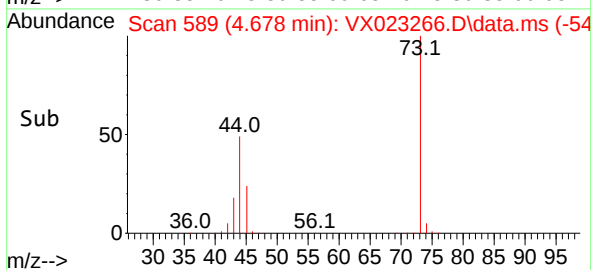
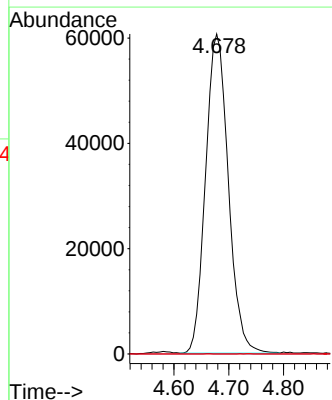
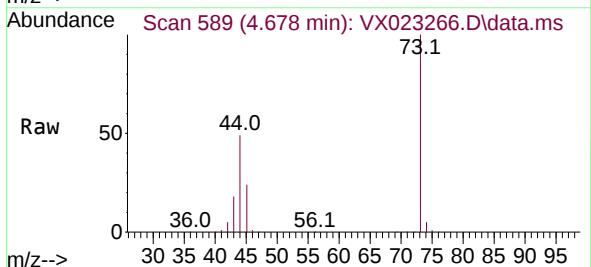
Instrument :
MSVOA_X
ClientSampled :

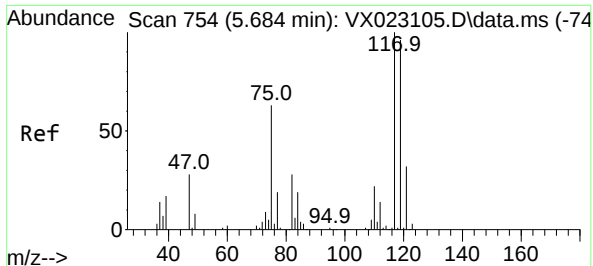
Tgt Ion: 75 Resp: 1484
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 46.792 ug/l
RT: 4.678 min Scan# 589
Delta R.T. -0.049 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

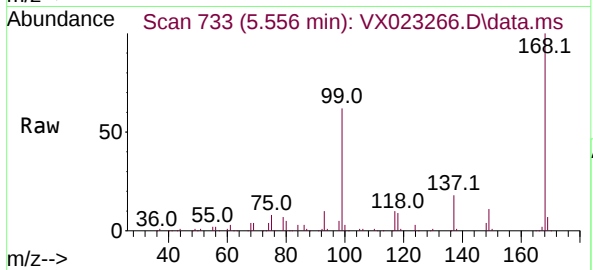
Tgt Ion: 43 Resp: 174734
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



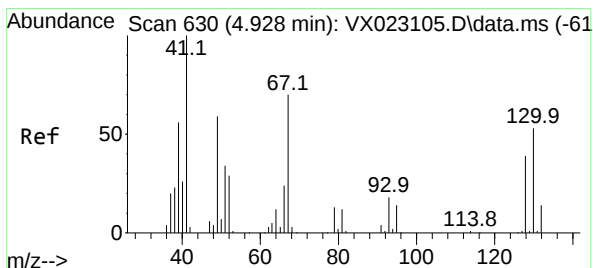
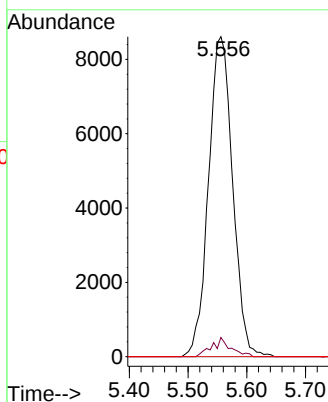
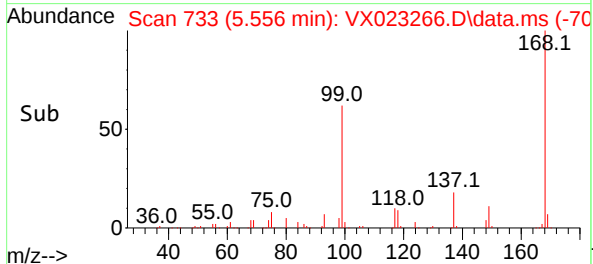


#38
Carbon Tetrachloride
Concen: 6.882 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

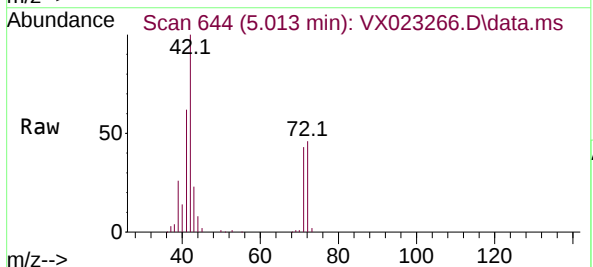
Instrument :
MSVOA_X
ClientSampled :



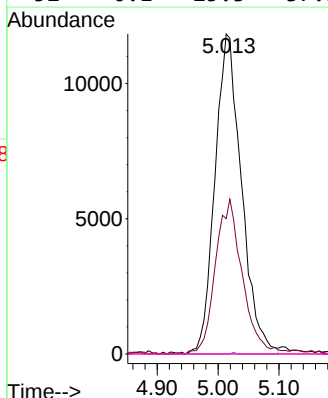
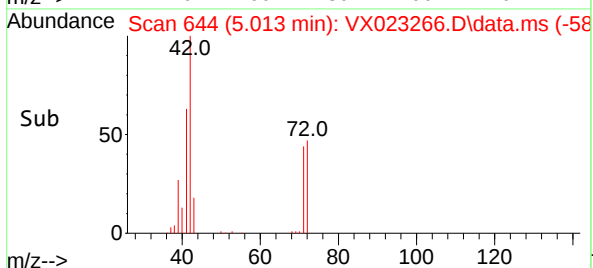
Tgt Ion:117 Resp: 24591
Ion Ratio Lower Upper
117 100
119 6.0 76.2 114.2#
121 0.0 24.8 37.2#

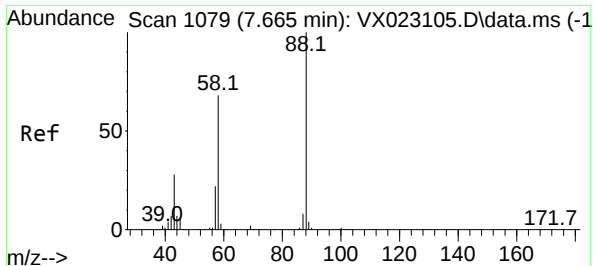


#41
Methacrylonitrile
Concen: 17.158 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.085 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40



Tgt Ion: 41 Resp: 35819
Ion Ratio Lower Upper
41 100
39 49.0 42.5 63.7
67 0.0 65.0 97.6#
52 0.1 25.3 37.9#

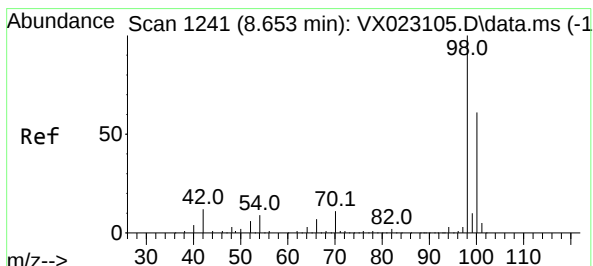
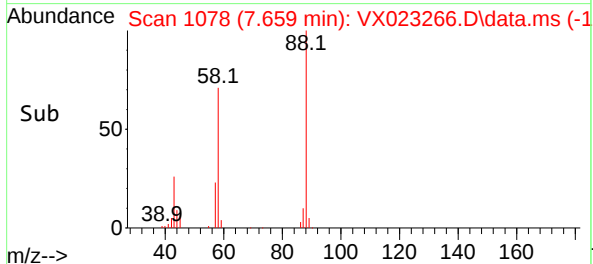
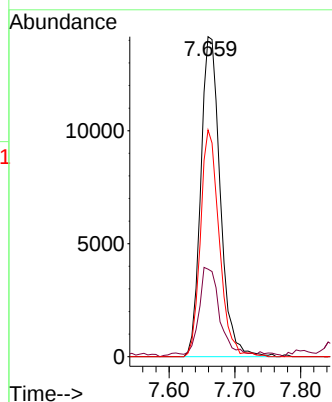
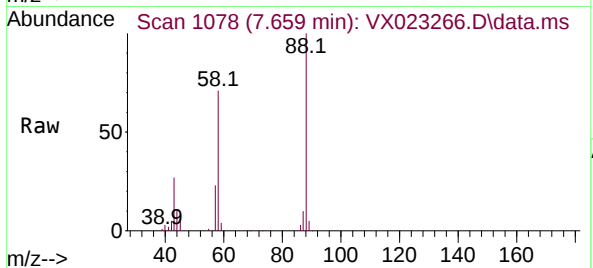




#49
1,4-Dioxane
Concen: 424.358 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. -0.006 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

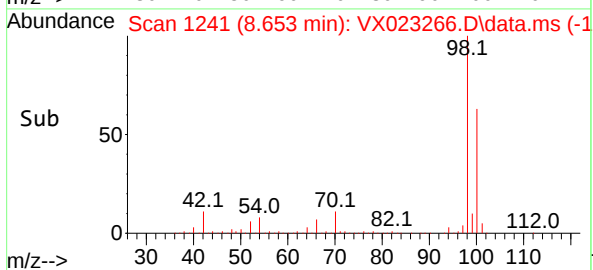
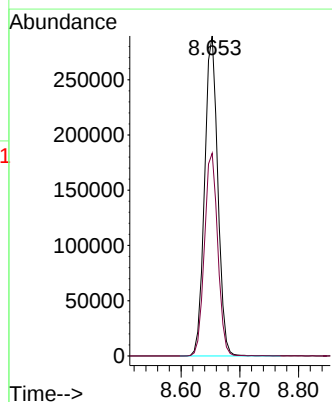
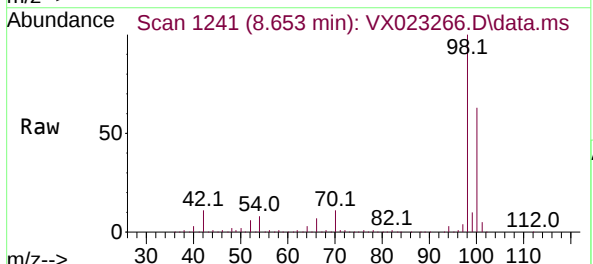
Instrument :
MSVOA_X
ClientSampled :

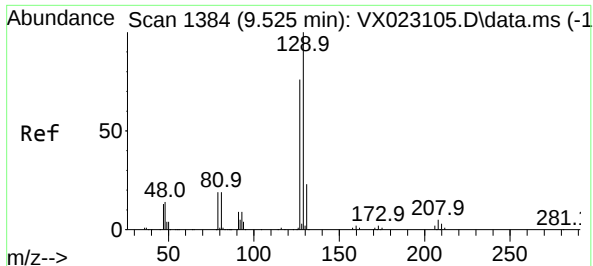
Tgt Ion: 88 Resp: 29109
Ion Ratio Lower Upper
88 100
43 28.4 23.2 34.8
58 68.5 55.0 82.4



#50
Toluene-d8
Concen: 48.814 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

Tgt Ion: 98 Resp: 451519
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

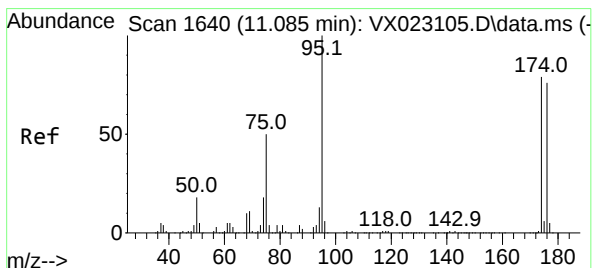
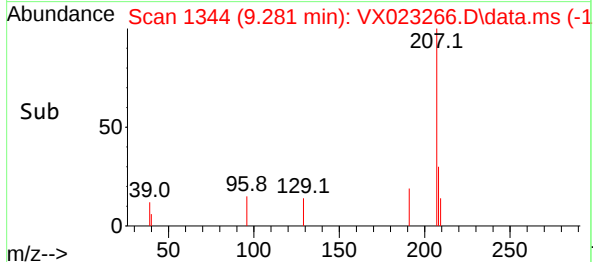
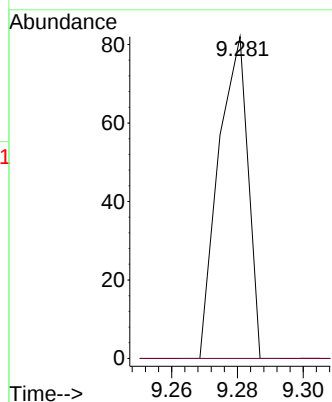
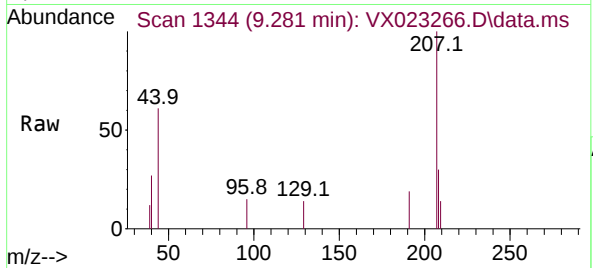




#60
Dibromochloromethane
Concen: 3.128 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

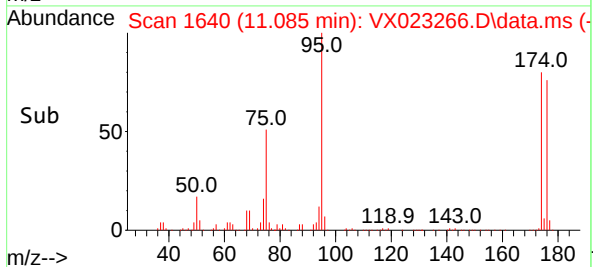
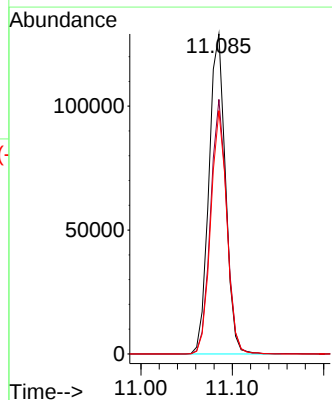
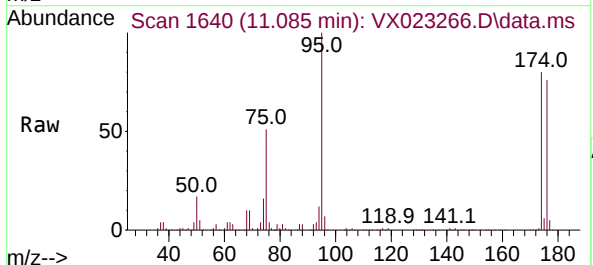
Instrument :
MSVOA_X
ClientSampled :

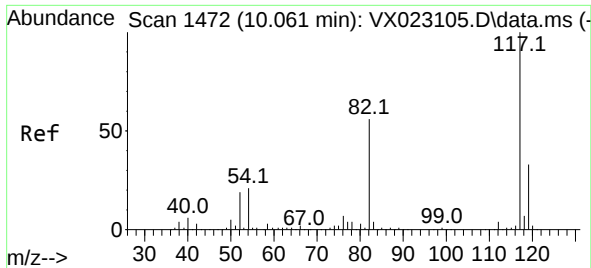
Tgt Ion:129 Resp: 51
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.388 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

Tgt Ion: 95 Resp: 162078
Ion Ratio Lower Upper
95 100
174 78.2 0.0 154.6
176 74.4 0.0 155.8

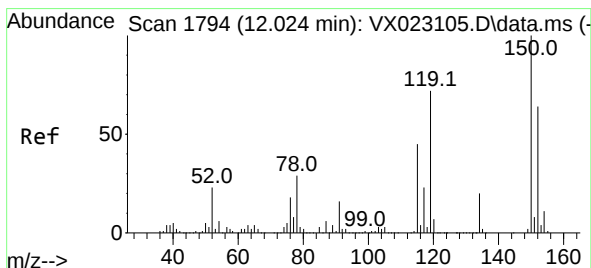
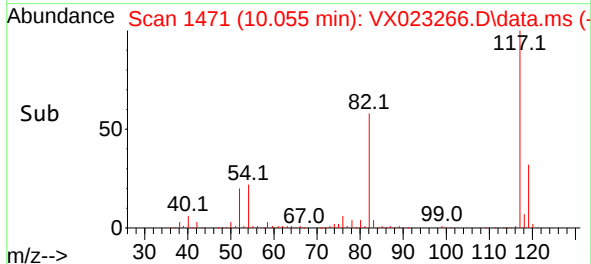
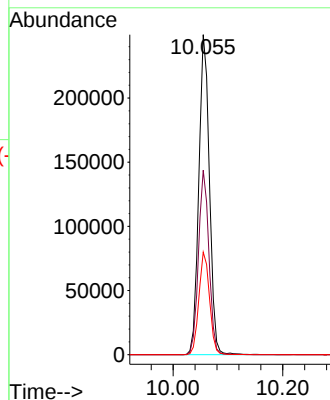
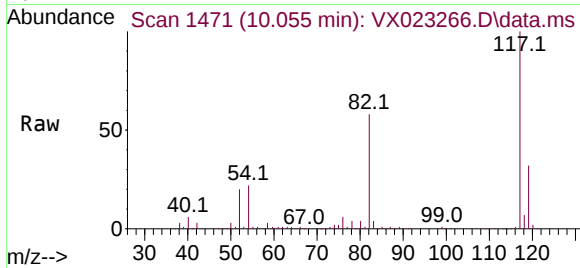




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

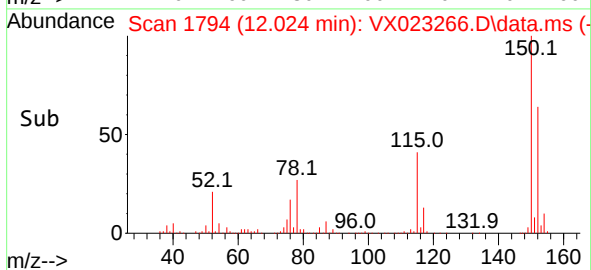
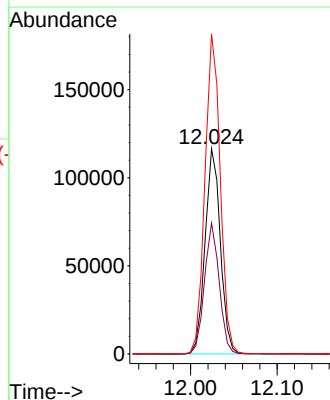
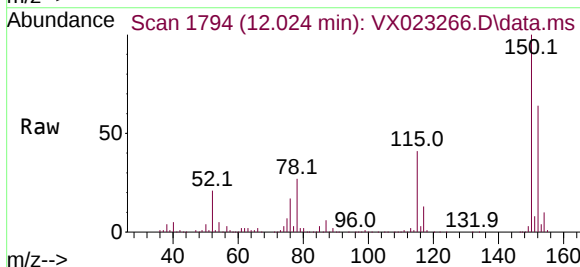
Instrument :
MSVOA_X
ClientSampled :

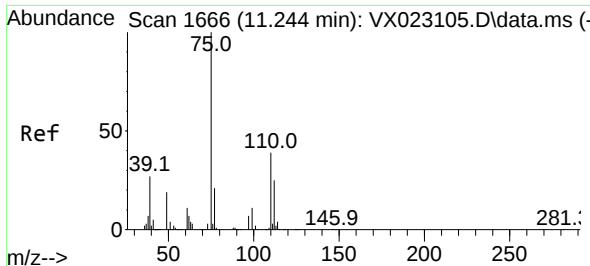
Tgt Ion:117 Resp: 336375
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.2
119 32.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

Tgt Ion:152 Resp: 142749
Ion Ratio Lower Upper
152 100
115 61.6 41.1 123.3
150 156.4 0.0 349.0

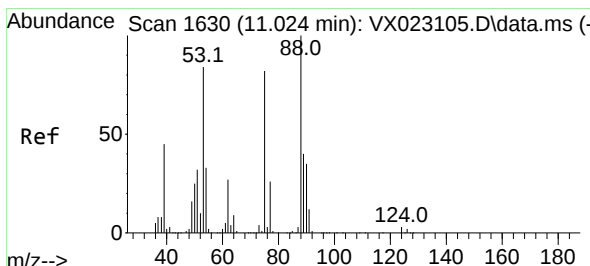
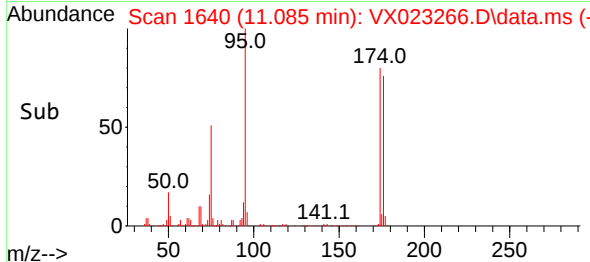
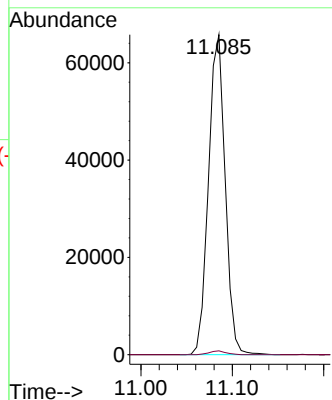
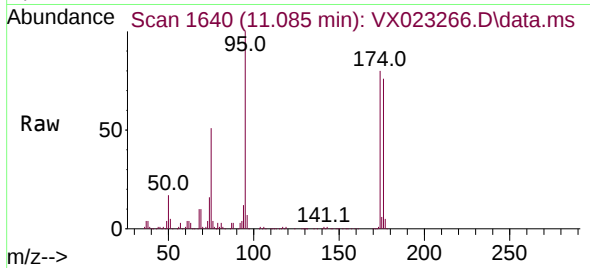




#76
1,2,3-Trichloropropane
Concen: 28.936 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

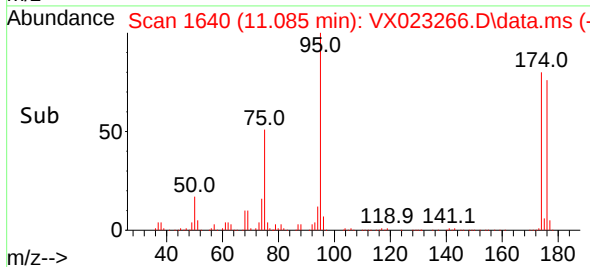
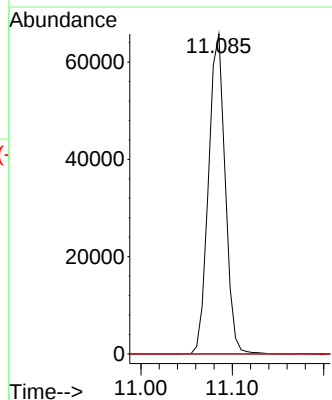
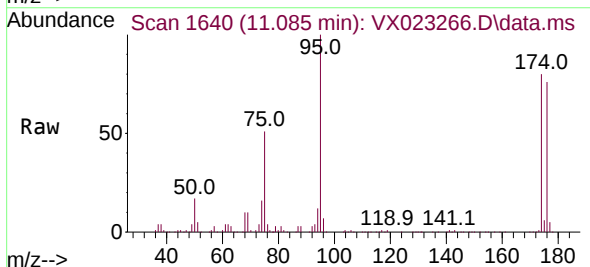
Instrument :
MSVOA_X
ClientSampled :

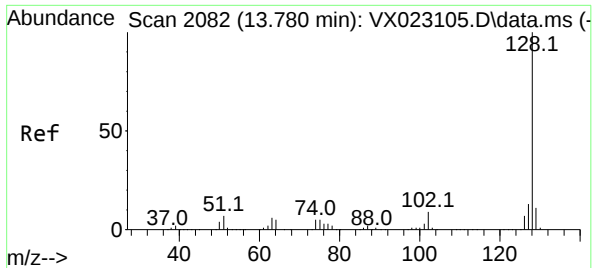
Tgt Ion: 75 Resp: 83120
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.862 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

Tgt Ion: 75 Resp: 83120
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.288 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX023266.D
Acq: 13 Jul 2021 16:40

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 132
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

