

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100821\
 Data File : VX024702.D
 Acq On : 09 Oct 2021 04:53
 Operator : JC/MD
 Sample : PB139731TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 11 06:40:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

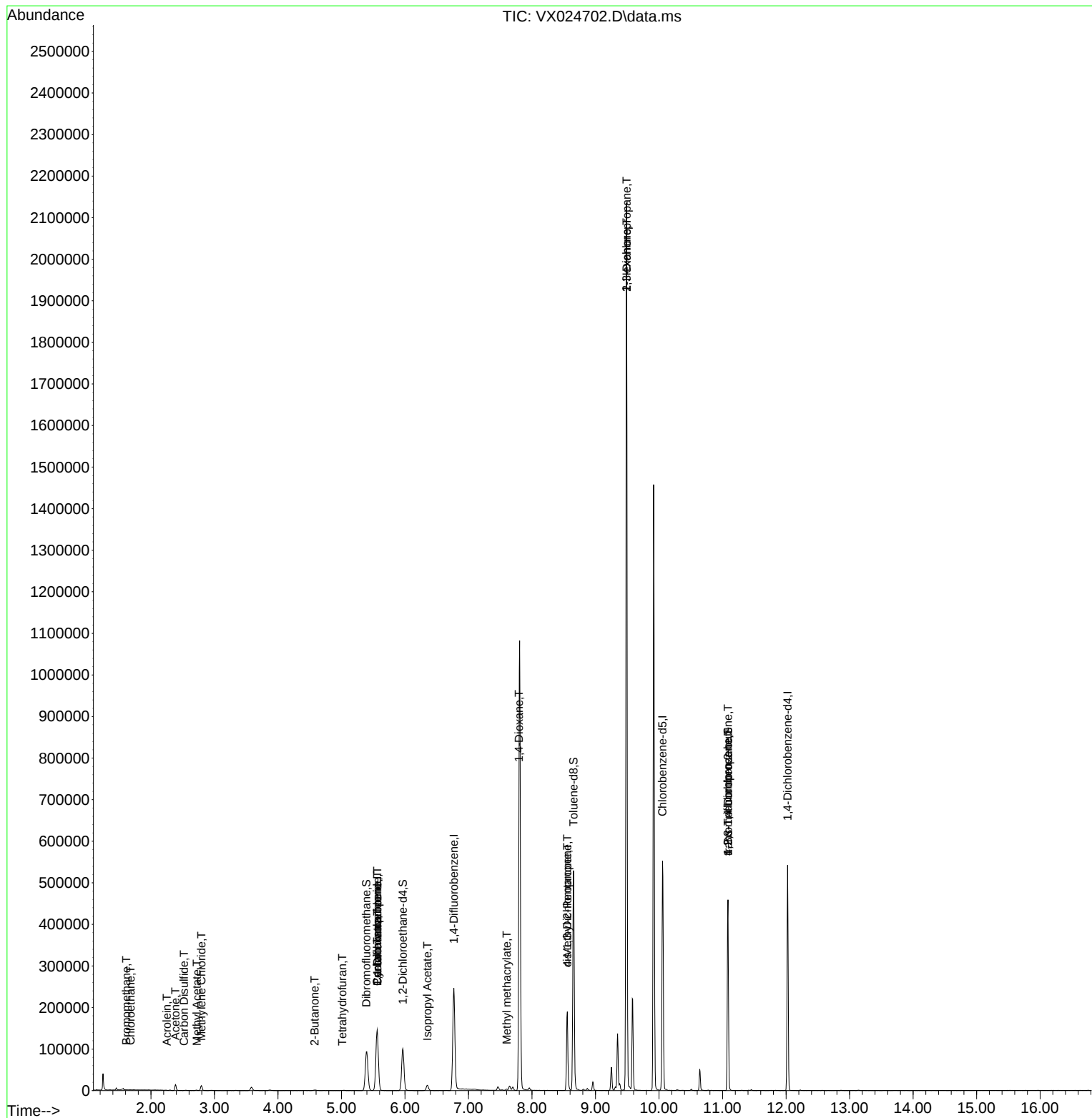
Internal Standards						
1) Pentafluorobenzene	5.562	168	134809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	238325	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102948	54.184	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 108.360%		
35) Dibromofluoromethane	5.391	113	80335	50.741	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.480%		
50) Toluene-d8	8.653	98	302043	51.833	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 103.660%		
62) 4-Bromofluorobenzene	11.085	95	113668	49.612	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 99.220%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	255	0.283	ug/l #	80
6) Chloroethane	1.678	64	237	0.523	ug/l #	43
11) Tert butyl alcohol	2.965	59	550	Below Cal	#	73
13) Acrolein	2.252	56	28	10.319	ug/l #	14
16) Acetone	2.386	43	14353	8.091	ug/l	91
17) Carbon Disulfide	2.520	76	146	0.273	ug/l #	75
18) Methyl Acetate	2.721	43	1429	0.502	ug/l #	85
20) Methylene Chloride	2.794	84	5160	2.544	ug/l #	80
25) 2-Butanone	4.574	43	2624	2.005	ug/l #	77
29) Tetrahydrofuran	5.013	42	197	0.236	ug/l #	27
31) Cyclohexane	5.562	56	3043	1.338	ug/l #	41
36) 1,1-Dichloropropene	5.562	75	10302	4.509	ug/l #	51
38) Carbon Tetrachloride	5.562	117	14083	5.663	ug/l #	16
43) Isopropyl Acetate	6.354	43	17591	4.056	ug/l	92
48) Methyl methacrylate	7.604	41	5058	2.356	ug/l #	10
49) 1,4-Dioxane	7.793	88	144	2.928	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	67559	23.598	ug/l #	43
54) cis-1,3-Dichloropropene	8.555	75	27488	10.297	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	17719	6.018	ug/l #	42
59) 2-Hexanone	9.488	43	257264	114.106	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	60959	24.658	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	60959	67.267	ug/l #	12

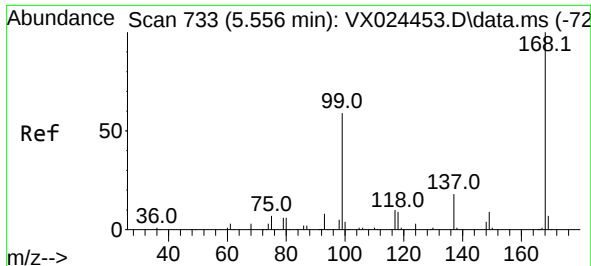
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

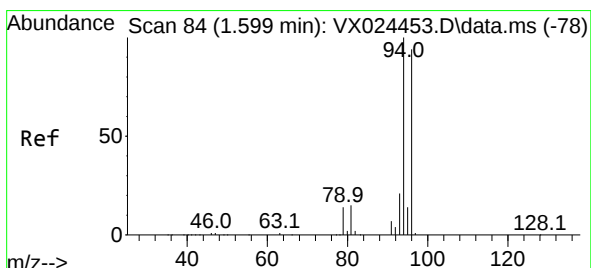
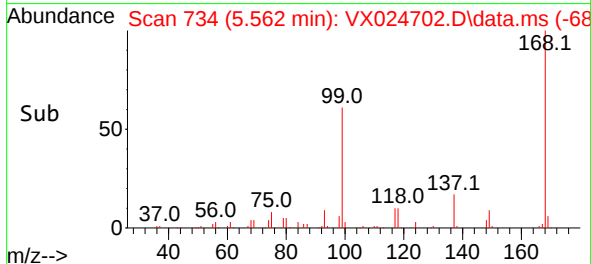
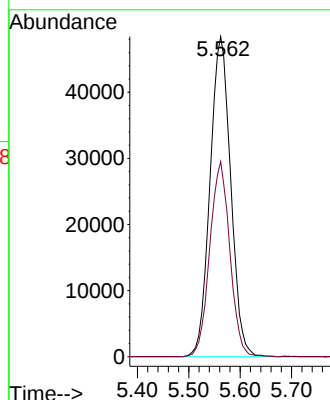
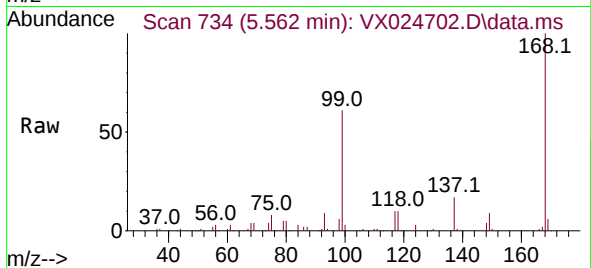




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

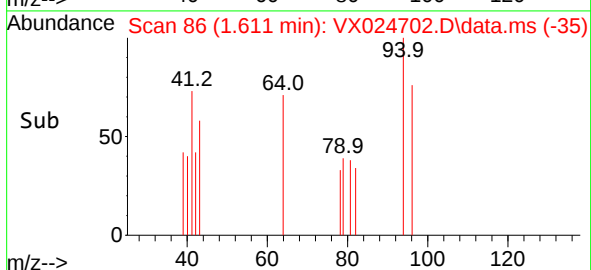
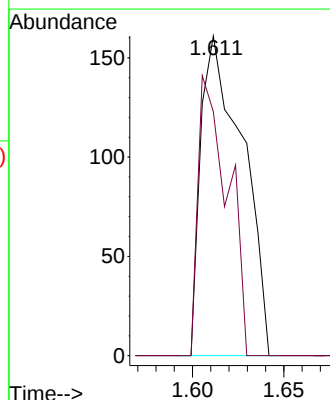
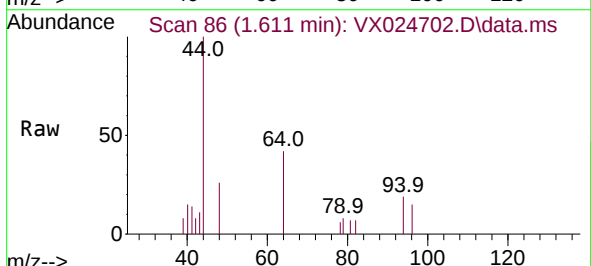
Instrument :
MSVOA_X
ClientSampleId :

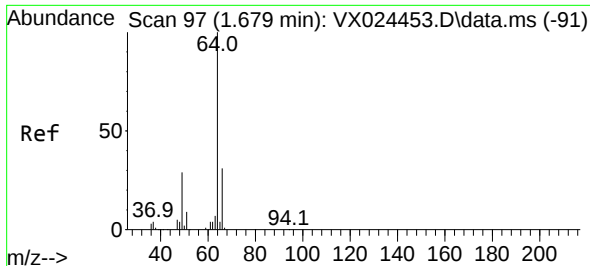
Tgt Ion:168 Resp: 134809
Ion Ratio Lower Upper
168 100
99 61.0 45.8 68.6



#5
Bromomethane
Concen: 0.283 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

Tgt Ion: 94 Resp: 255
Ion Ratio Lower Upper
94 100
96 76.4 76.4 114.6#

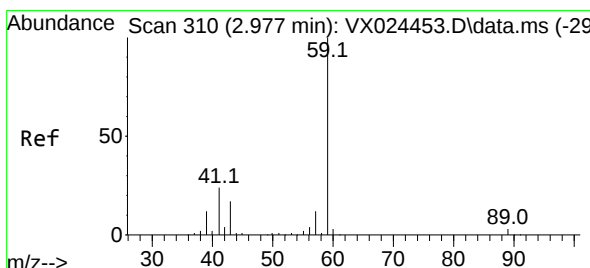
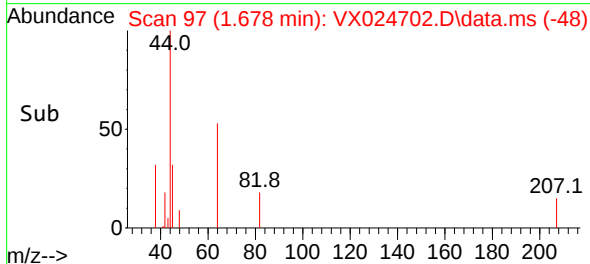
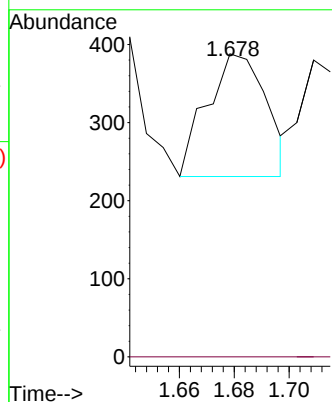
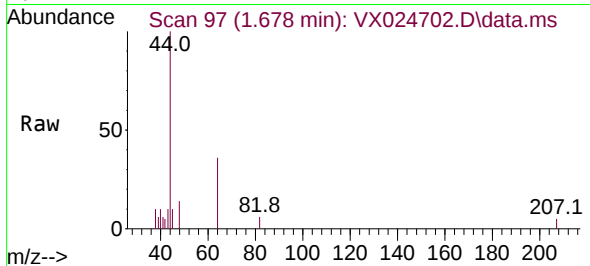




#6
Chloroethane
Concen: 0.523 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

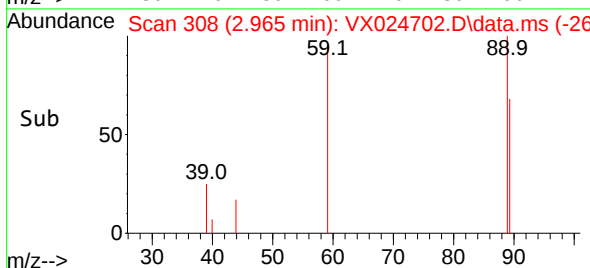
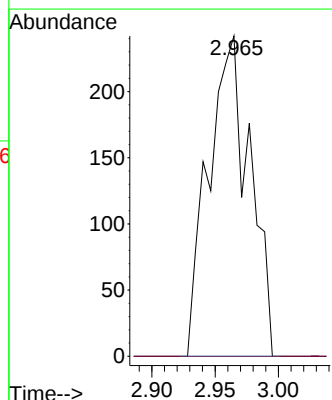
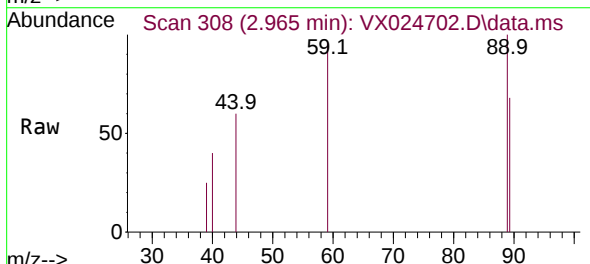
Instrument :
MSVOA_X
ClientSampled :

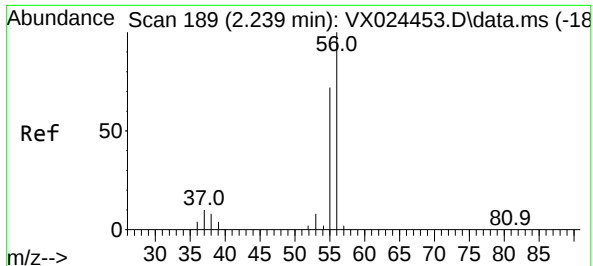
Tgt Ion: 64 Resp: 237
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

Tgt Ion: 59 Resp: 550
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

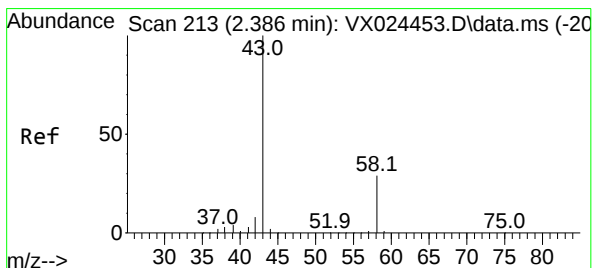
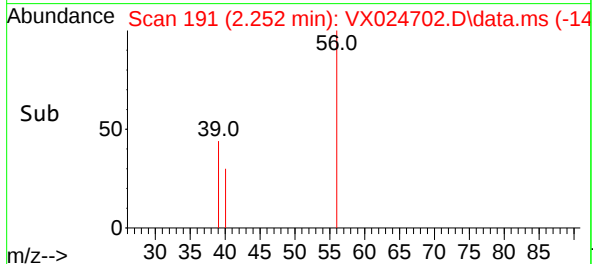
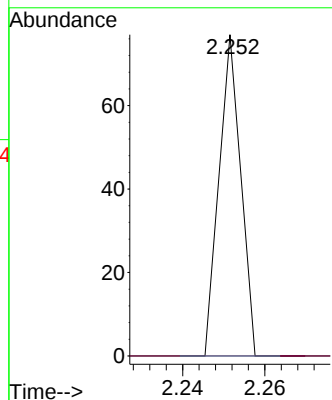
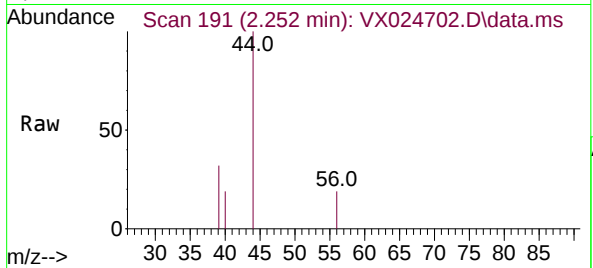




#13
Acrolein
Concen: 10.319 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.013 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

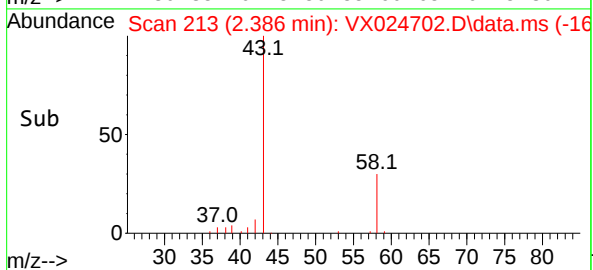
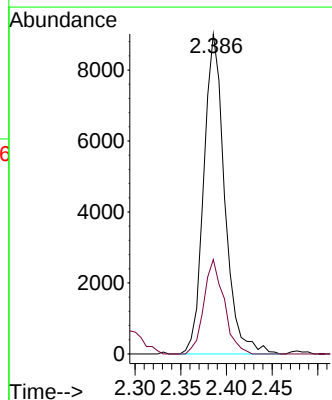
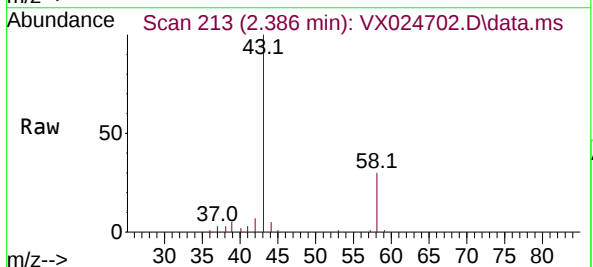
Instrument :
MSVOA_X
ClientSampled :

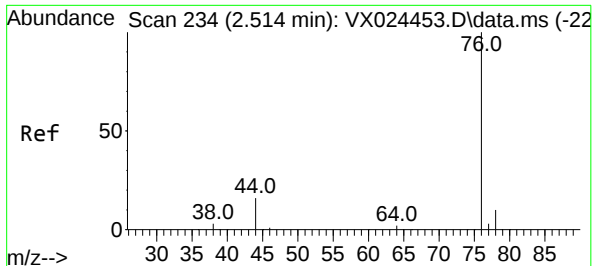
Tgt Ion: 56 Resp: 28
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 8.091 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

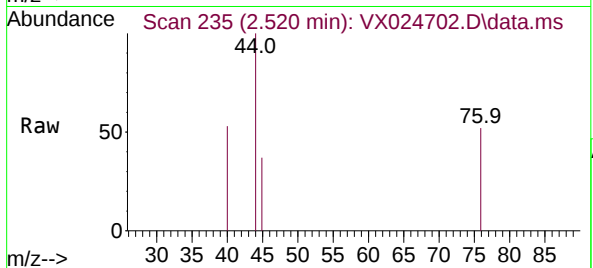
Tgt Ion: 43 Resp: 14353
Ion Ratio Lower Upper
43 100
58 29.5 27.8 41.8



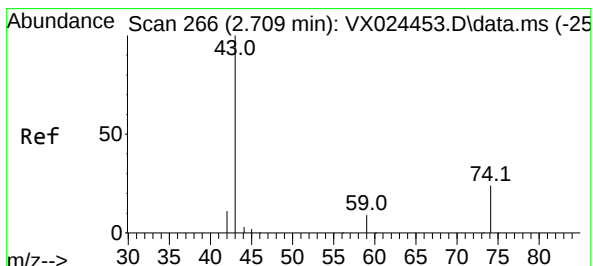
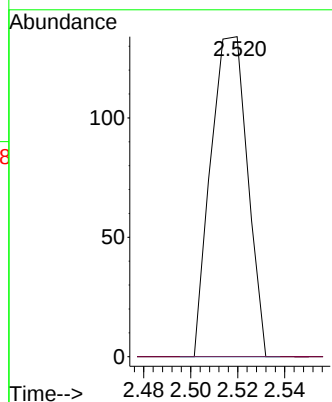
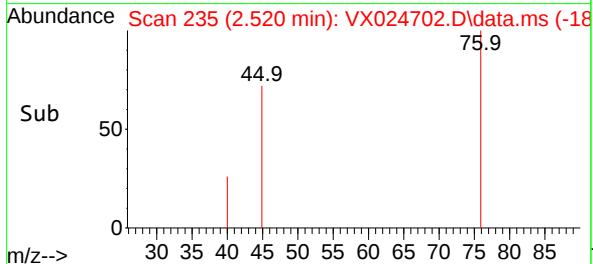


#17
Carbon Disulfide
Concen: 0.273 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

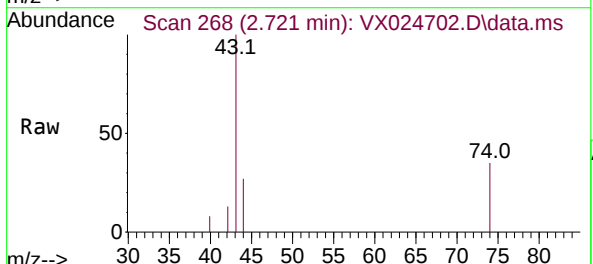
Instrument :
MSVOA_X
ClientSampled :



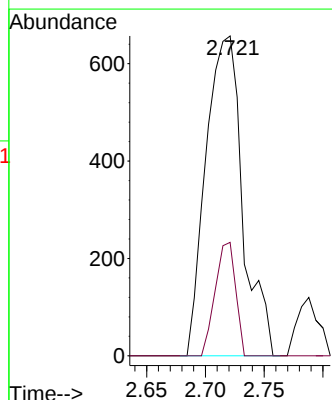
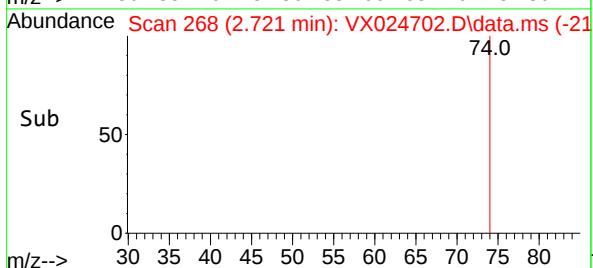
Tgt Ion: 76 Resp: 146
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

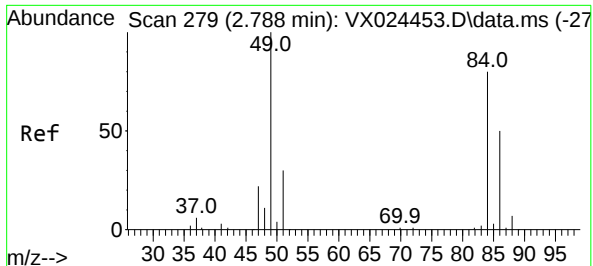


#18
Methyl Acetate
Concen: 0.502 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53



Tgt Ion: 43 Resp: 1429
Ion Ratio Lower Upper
43 100
74 19.7 21.9 32.9#





#20

Methylene Chloride

Concen: 2.544 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX024702.D

Acq: 09 Oct 2021 04:53

Tgt Ion: 84 Resp: 5160

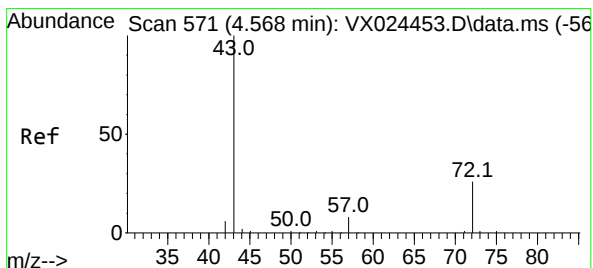
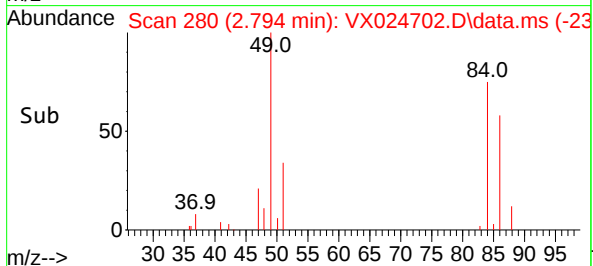
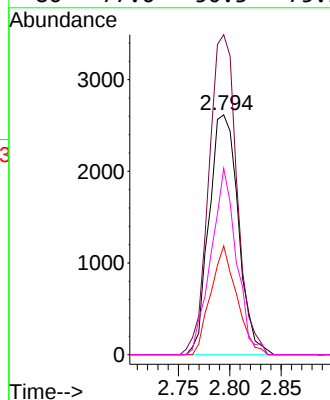
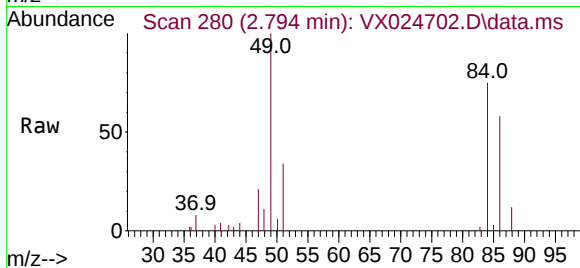
Ion Ratio Lower Upper

84 100

49 133.4 88.6 132.8#

51 45.4 27.0 40.6#

86 77.6 50.3 75.5#



#25

2-Butanone

Concen: 2.005 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX024702.D

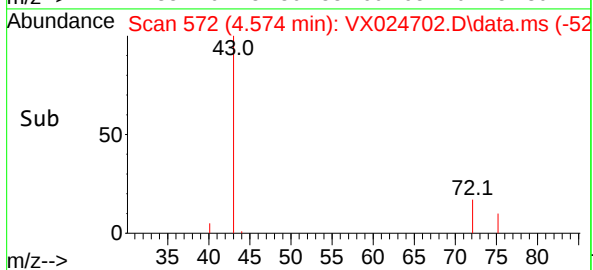
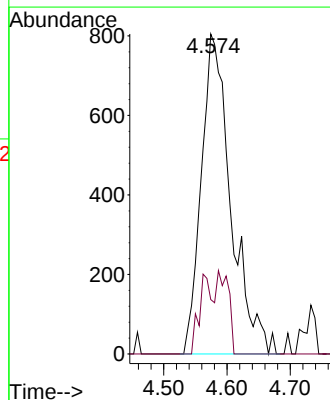
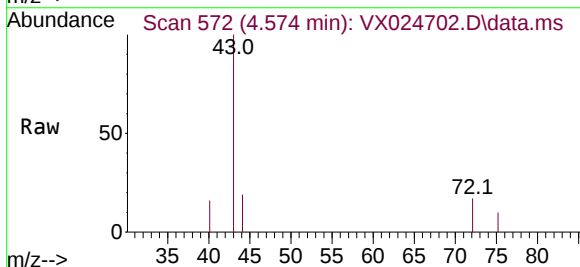
Acq: 09 Oct 2021 04:53

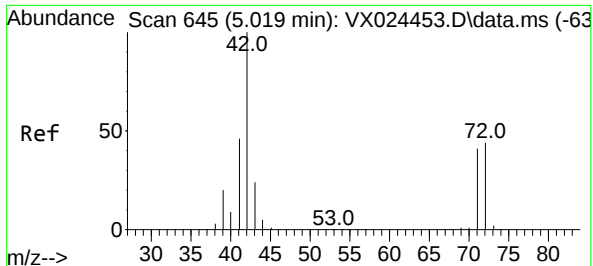
Tgt Ion: 43 Resp: 2624

Ion Ratio Lower Upper

43 100

72 17.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.236 ug/l

RT: 5.013 min Scan# 644

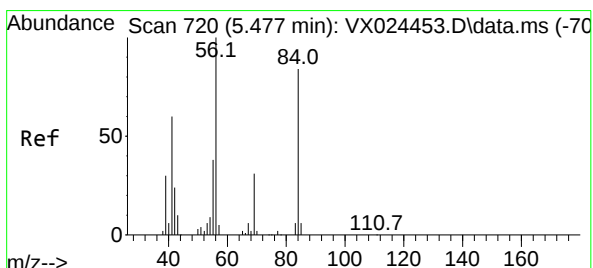
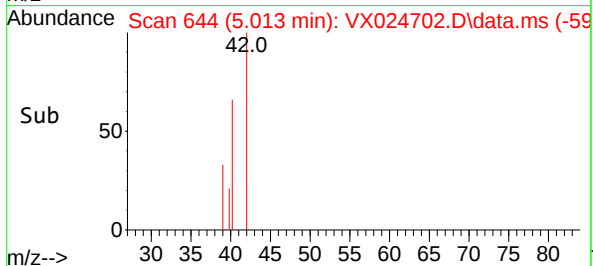
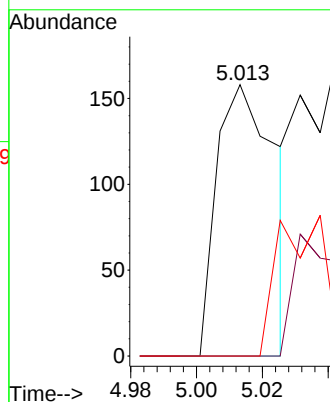
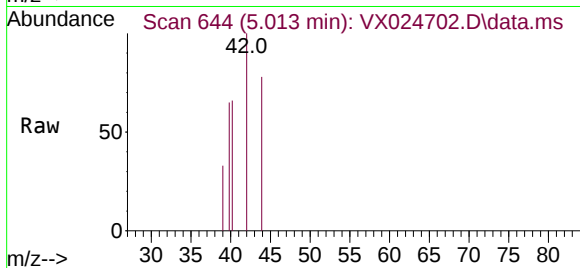
Delta R.T. -0.006 min

Lab File: VX024702.D

Acq: 09 Oct 2021 04:53

Tgt Ion:	42	Resp:	197
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.338 ug/l

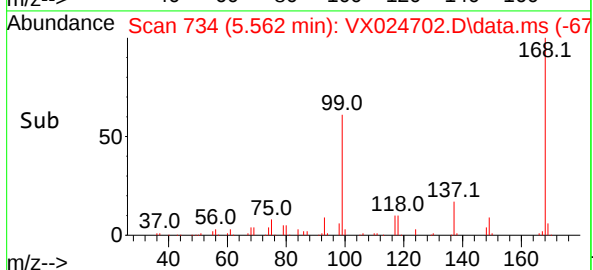
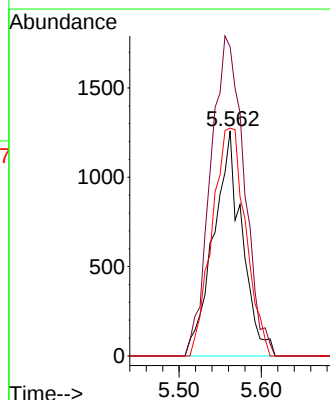
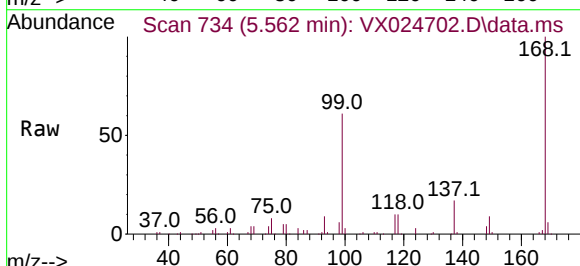
RT: 5.562 min Scan# 734

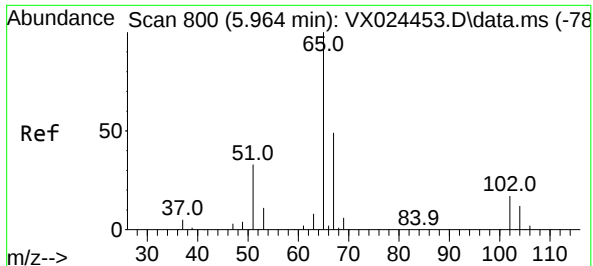
Delta R.T. 0.085 min

Lab File: VX024702.D

Acq: 09 Oct 2021 04:53

Tgt Ion:	56	Resp:	3043
Ion	Ratio	Lower	Upper
56	100		
69	137.3	25.3	37.9#
84	101.2	71.4	107.0



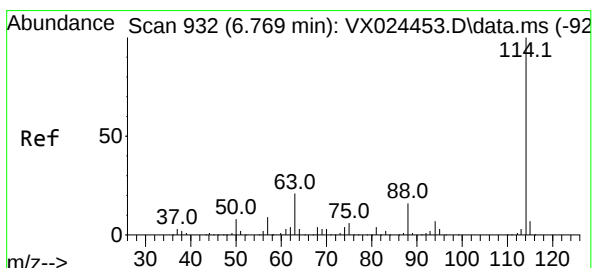
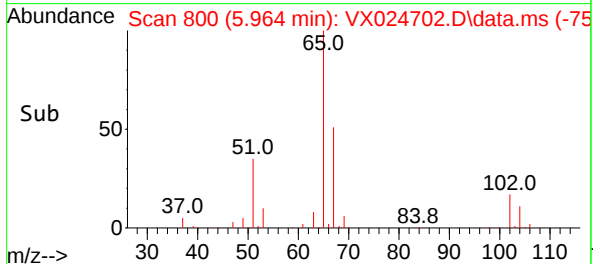
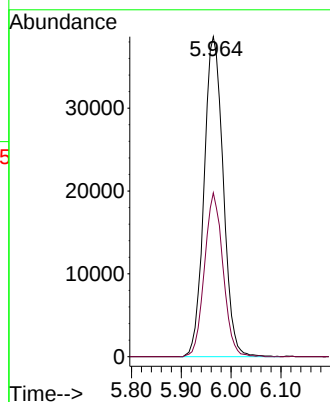
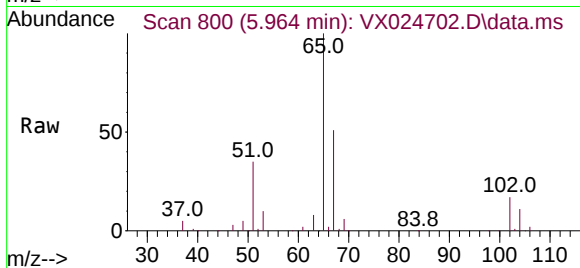


#33

1,2-Dichloroethane-d4
Concen: 54.184 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

Instrument :
MSVOA_X
ClientSampled :

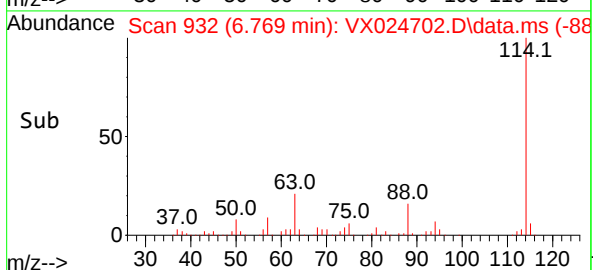
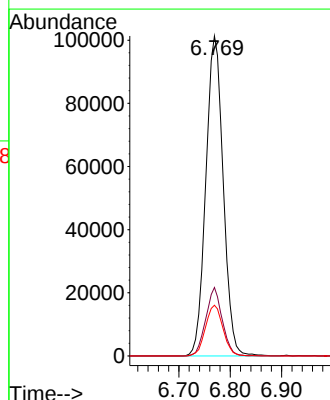
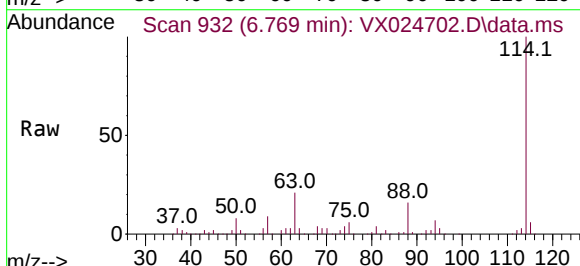
Tgt Ion: 65 Resp: 102948
Ion Ratio Lower Upper
65 100
67 49.6 0.0 105.4

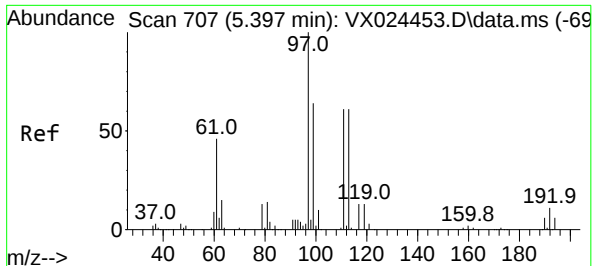


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

Tgt Ion: 114 Resp: 238325
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.741 ug/l

RT: 5.391 min Scan# 706

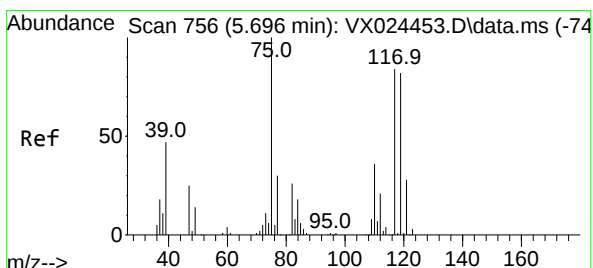
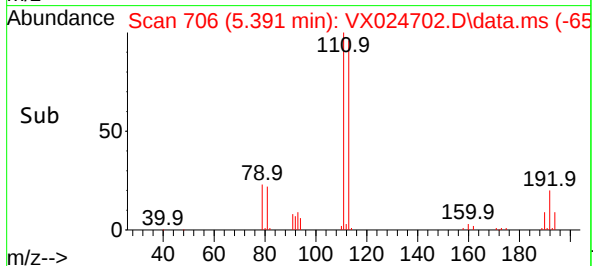
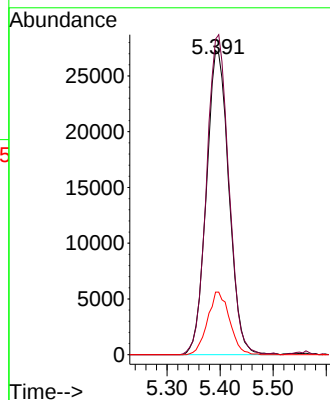
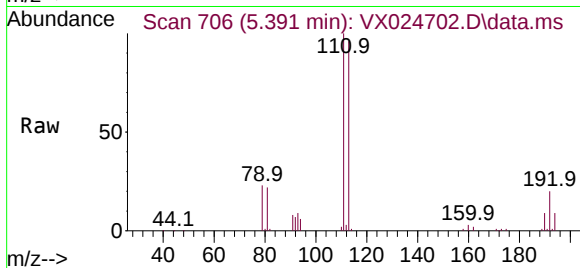
Delta R.T. -0.006 min

Lab File: VX024702.D

Acq: 09 Oct 2021 04:53

Tgt Ion:	113	Resp:	80335
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.9	122.9
192	20.2	16.7	25.1

Instrument :
MSVOA_X
ClientSampled :



#36

1,1-Dichloropropene

Concen: 4.509 ug/l

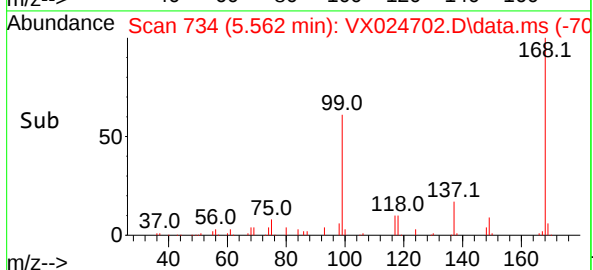
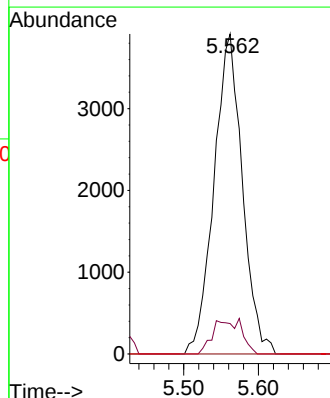
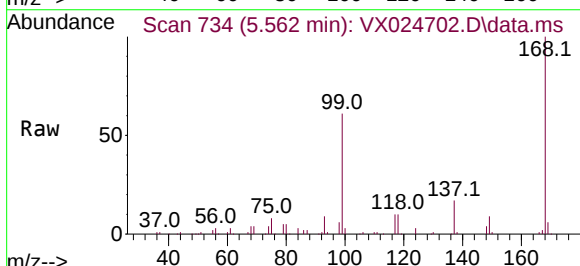
RT: 5.562 min Scan# 734

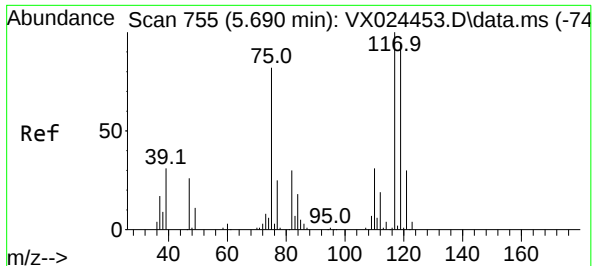
Delta R.T. -0.134 min

Lab File: VX024702.D

Acq: 09 Oct 2021 04:53

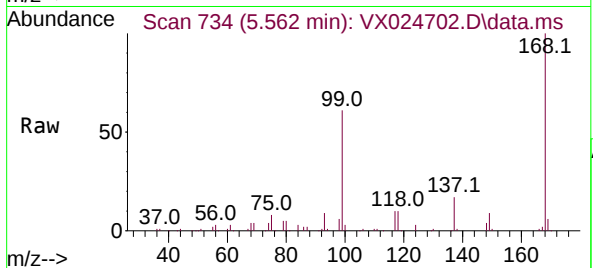
Tgt Ion:	75	Resp:	10302
Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.1	54.4#
77	0.0	25.3	37.9#



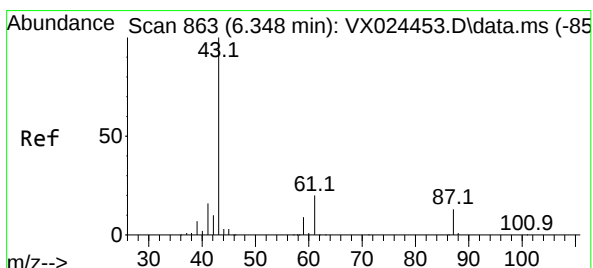
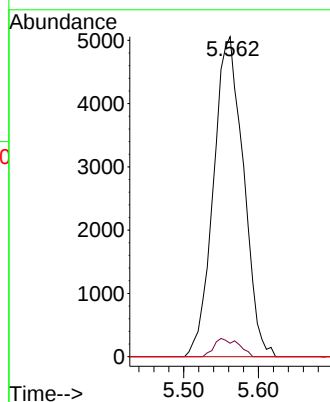
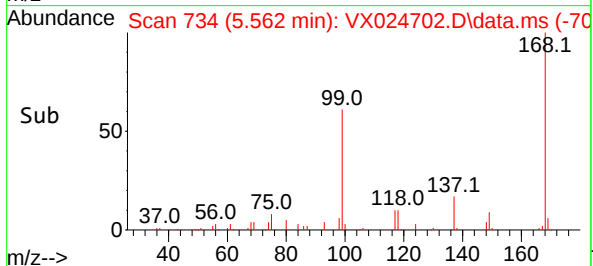


#38
Carbon Tetrachloride
Concen: 5.663 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

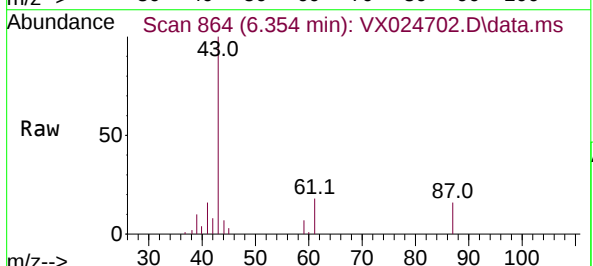
Instrument :
MSVOA_X
ClientSampled :



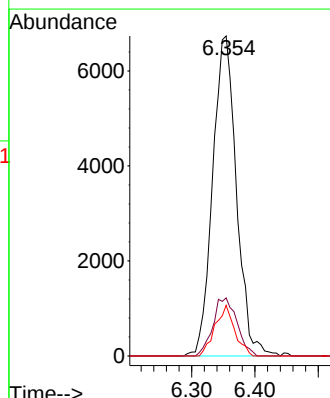
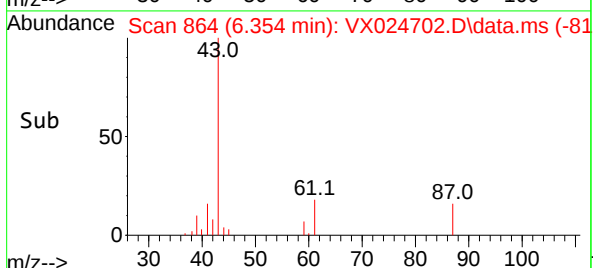
Tgt Ion:117 Resp: 14083
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.2#
121 0.0 24.8 37.2#

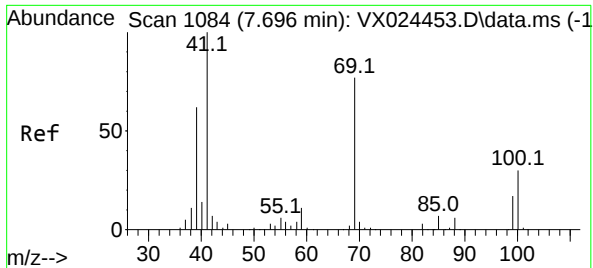


#43
Isopropyl Acetate
Concen: 4.056 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53



Tgt Ion: 43 Resp: 17591
Ion Ratio Lower Upper
43 100
61 18.4 18.2 27.4
87 13.1 12.5 18.7

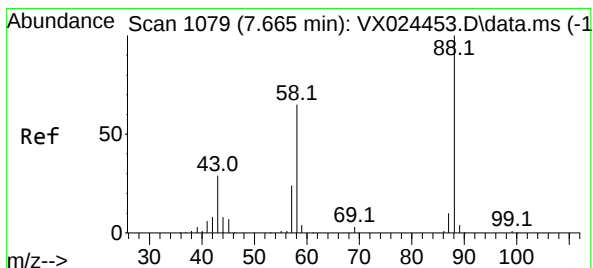
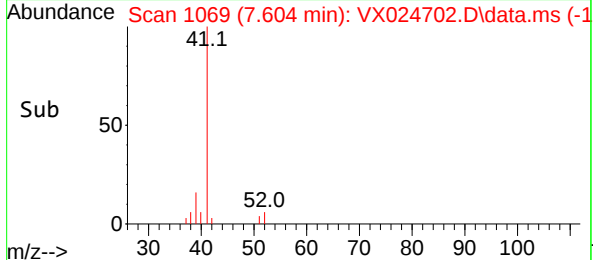
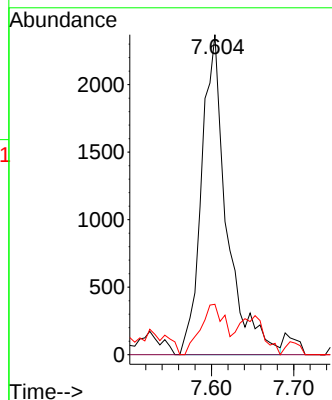
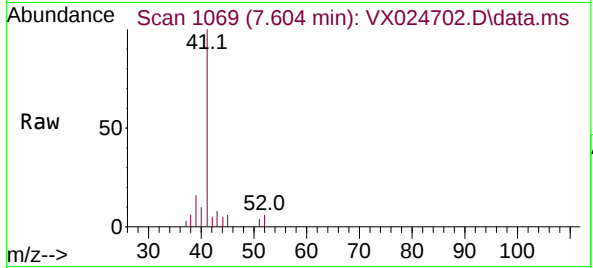




#48
Methyl methacrylate
Concen: 2.356 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

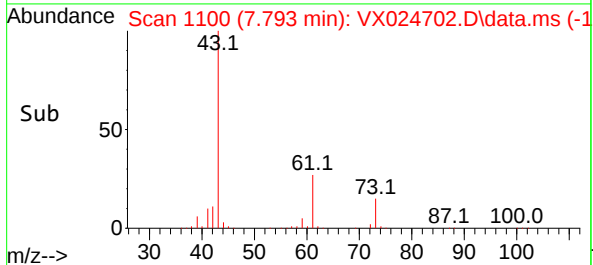
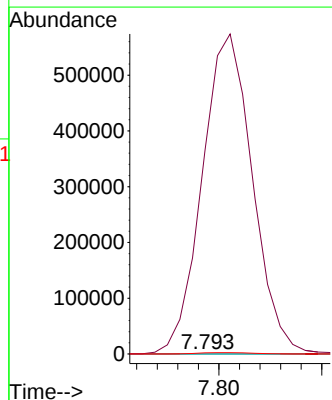
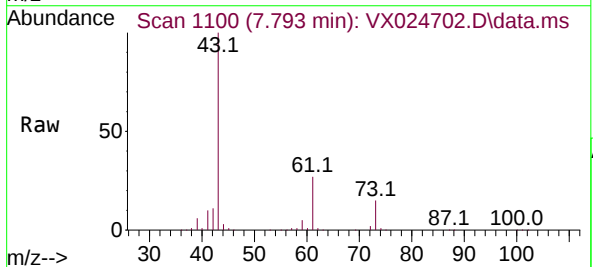
Instrument :
MSVOA_X
ClientSampled :

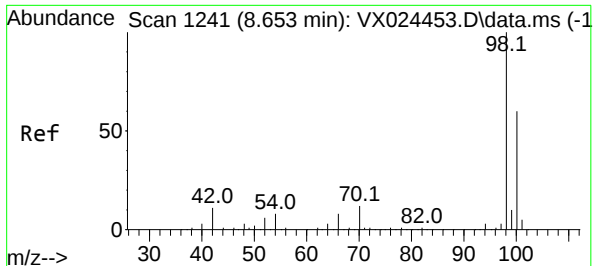
Tgt Ion: 41 Resp: 5058
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.928 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

Tgt Ion: 88 Resp: 144
Ion Ratio Lower Upper
88 100
43 682438.9 23.2 34.8#
58 3104.2 55.0 82.4#

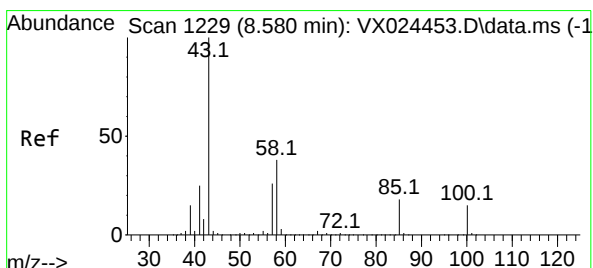
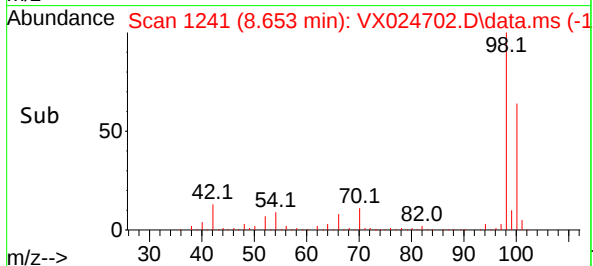
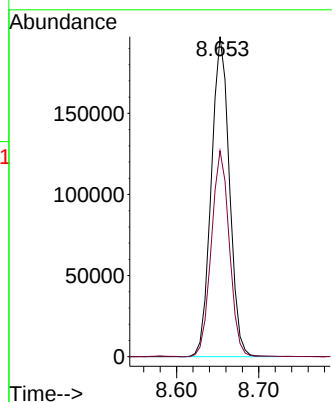
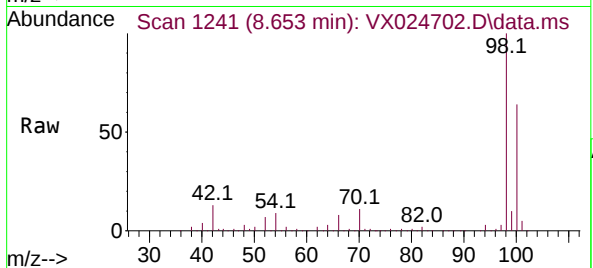




#50
Toluene-d8
Concen: 51.833 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

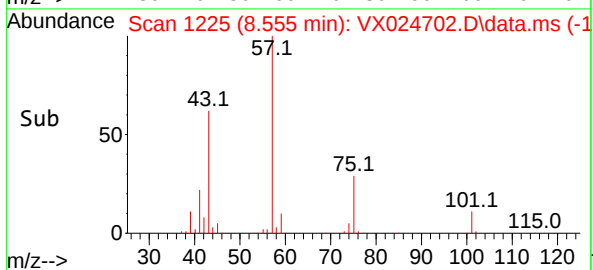
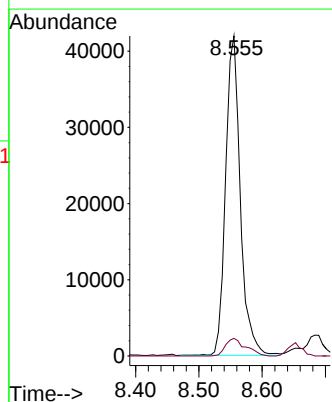
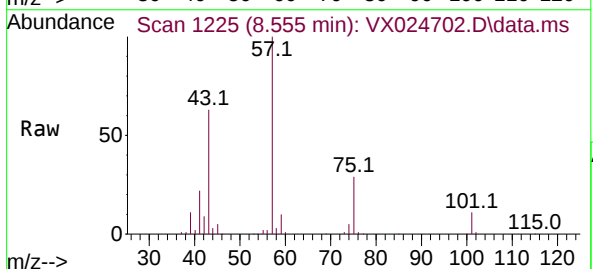
Instrument :
MSVOA_X
ClientSampled :

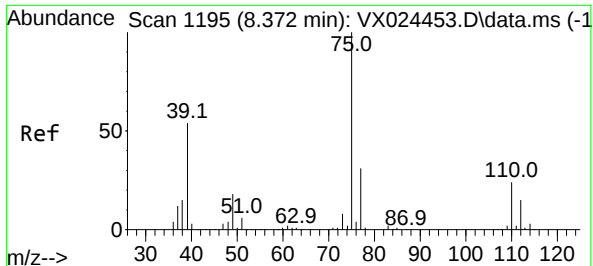
Tgt Ion: 98 Resp: 302043
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 23.598 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

Tgt Ion: 43 Resp: 67559
Ion Ratio Lower Upper
43 100
58 7.6 35.4 53.0#

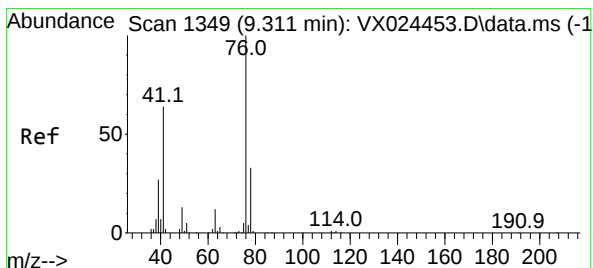
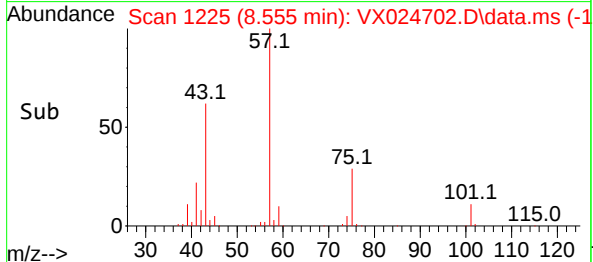
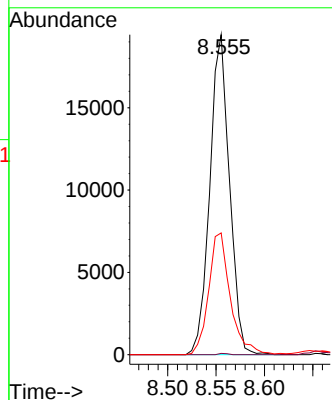
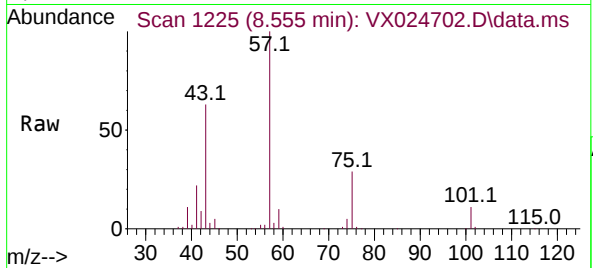




#54
 cis-1,3-Dichloropropene
 Concen: 10.297 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX024702.D
 Acq: 09 Oct 2021 04:53

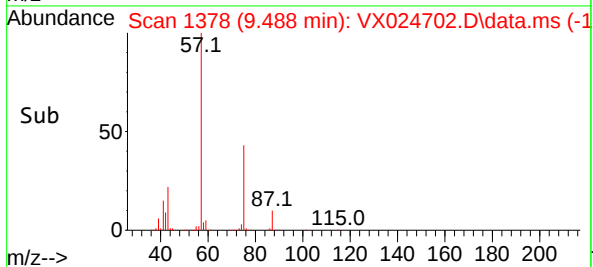
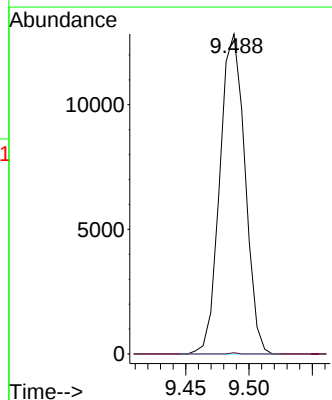
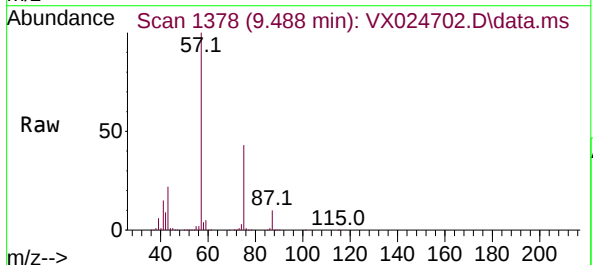
Instrument :
 MSVOA_X
 ClientSampled :

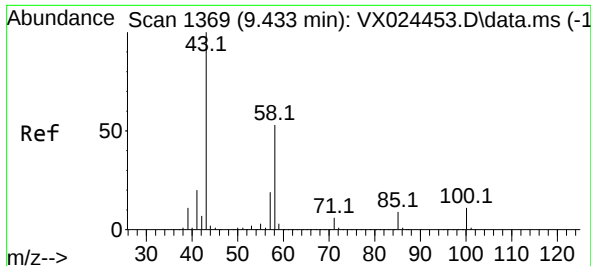
Tgt Ion: 75 Resp: 27488
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 38.1 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 6.018 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX024702.D
 Acq: 09 Oct 2021 04:53

Tgt Ion: 76 Resp: 17719
 Ion Ratio Lower Upper
 76 100
 78 0.1 26.2 39.2#

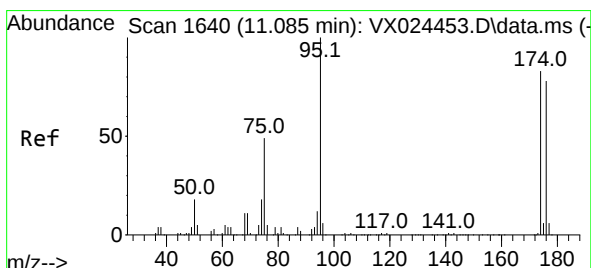
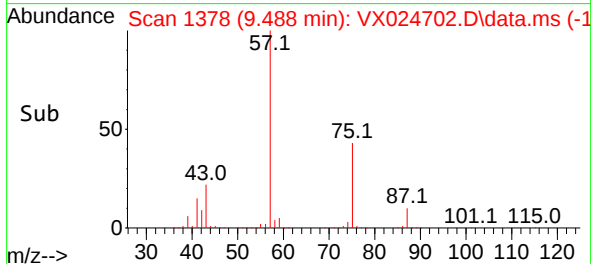
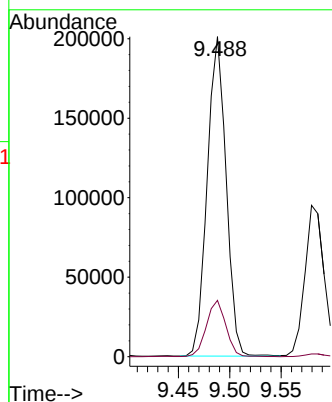
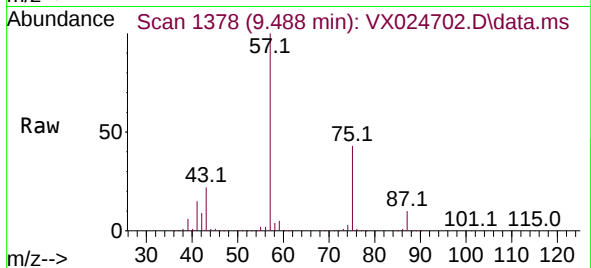




#59
2-Hexanone
Concen: 114.106 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

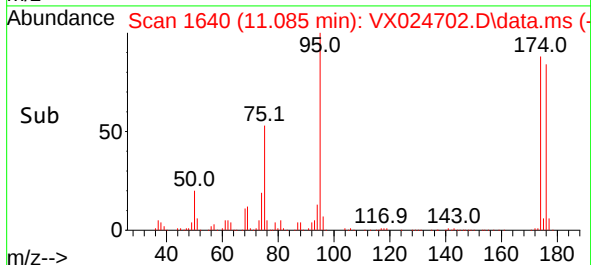
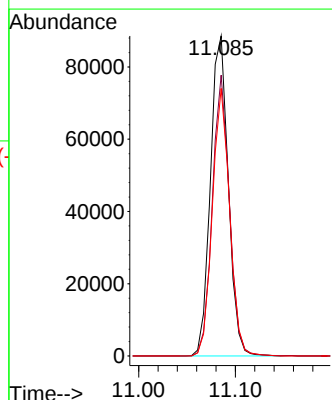
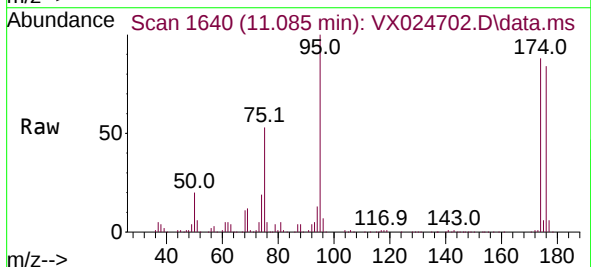
Instrument :
MSVOA_X
ClientSampled :

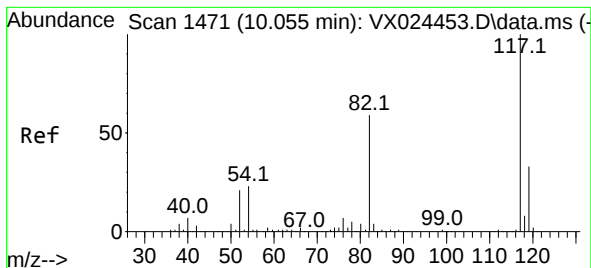
Tgt Ion: 43 Resp: 257264
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 49.612 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

Tgt Ion: 95 Resp: 113668
Ion Ratio Lower Upper
95 100
174 83.7 0.0 154.6
176 80.8 0.0 155.8

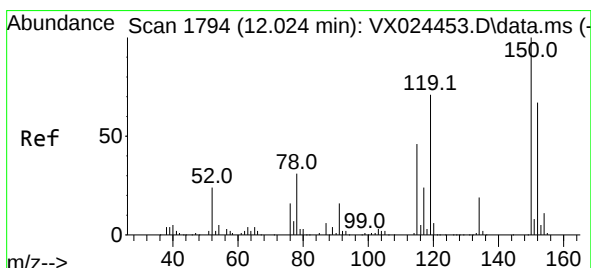
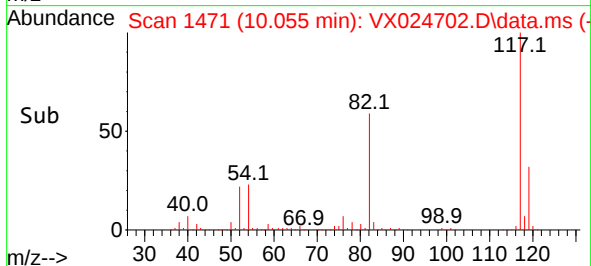
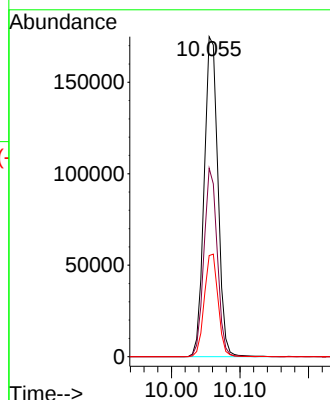
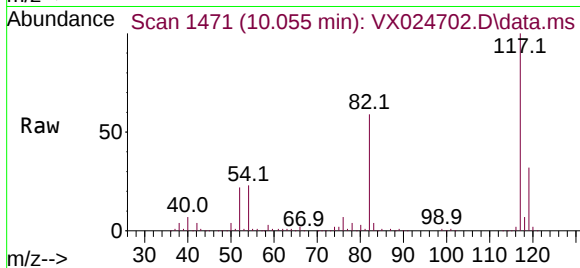




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

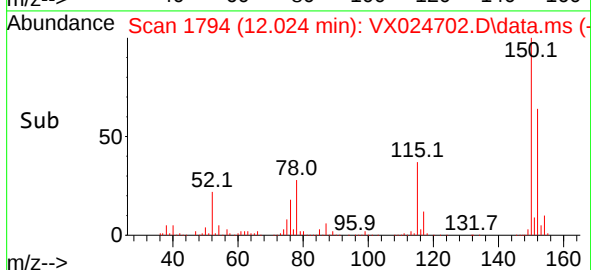
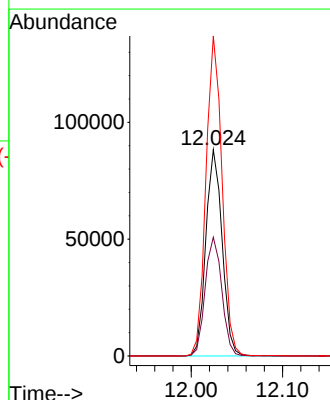
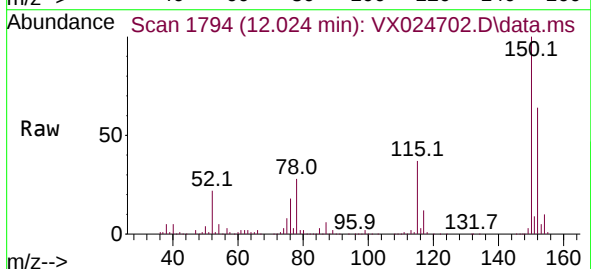
Instrument :
MSVOA_X
ClientSampled :

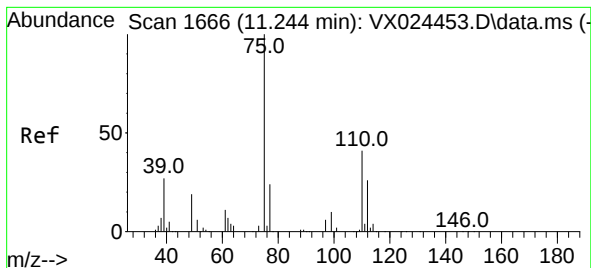
Tgt Ion:117 Resp: 244475
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024702.D
Acq: 09 Oct 2021 04:53

Tgt Ion:152 Resp: 108862
Ion Ratio Lower Upper
152 100
115 58.8 41.1 123.3
150 153.2 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 24.658 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX024702.D

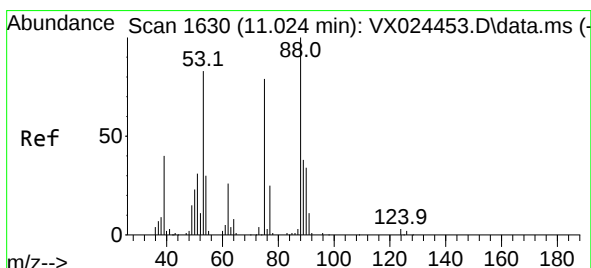
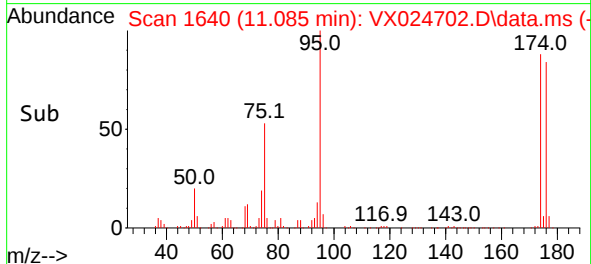
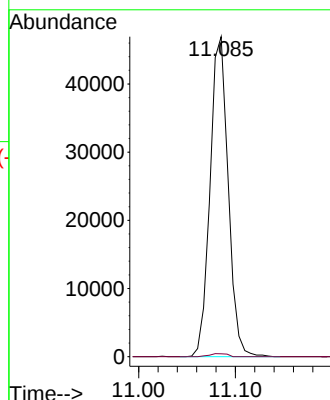
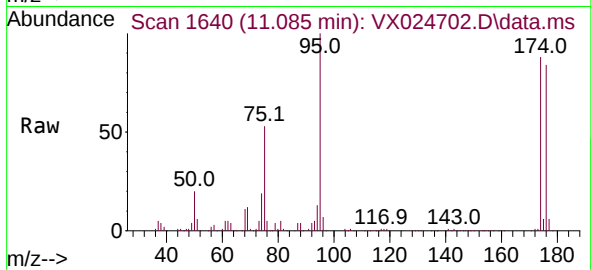
Acq: 09 Oct 2021 04:53

Tgt Ion: 75 Resp: 60959

Ion Ratio Lower Upper

75 100
77 1.0 19.1 57.5#

Instrument :
MSVOA_X
ClientSampled :



#81

trans-1,4-Dichloro-2-butene

Concen: 67.267 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.061 min

Lab File: VX024702.D

Acq: 09 Oct 2021 04:53

Tgt Ion: 75 Resp: 60959

Ion Ratio Lower Upper

75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

