

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100821\
 Data File : VX024700.D
 Acq On : 09 Oct 2021 04:06
 Operator : JC/MD
 Sample : PB139768ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 11 06:39:59 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)

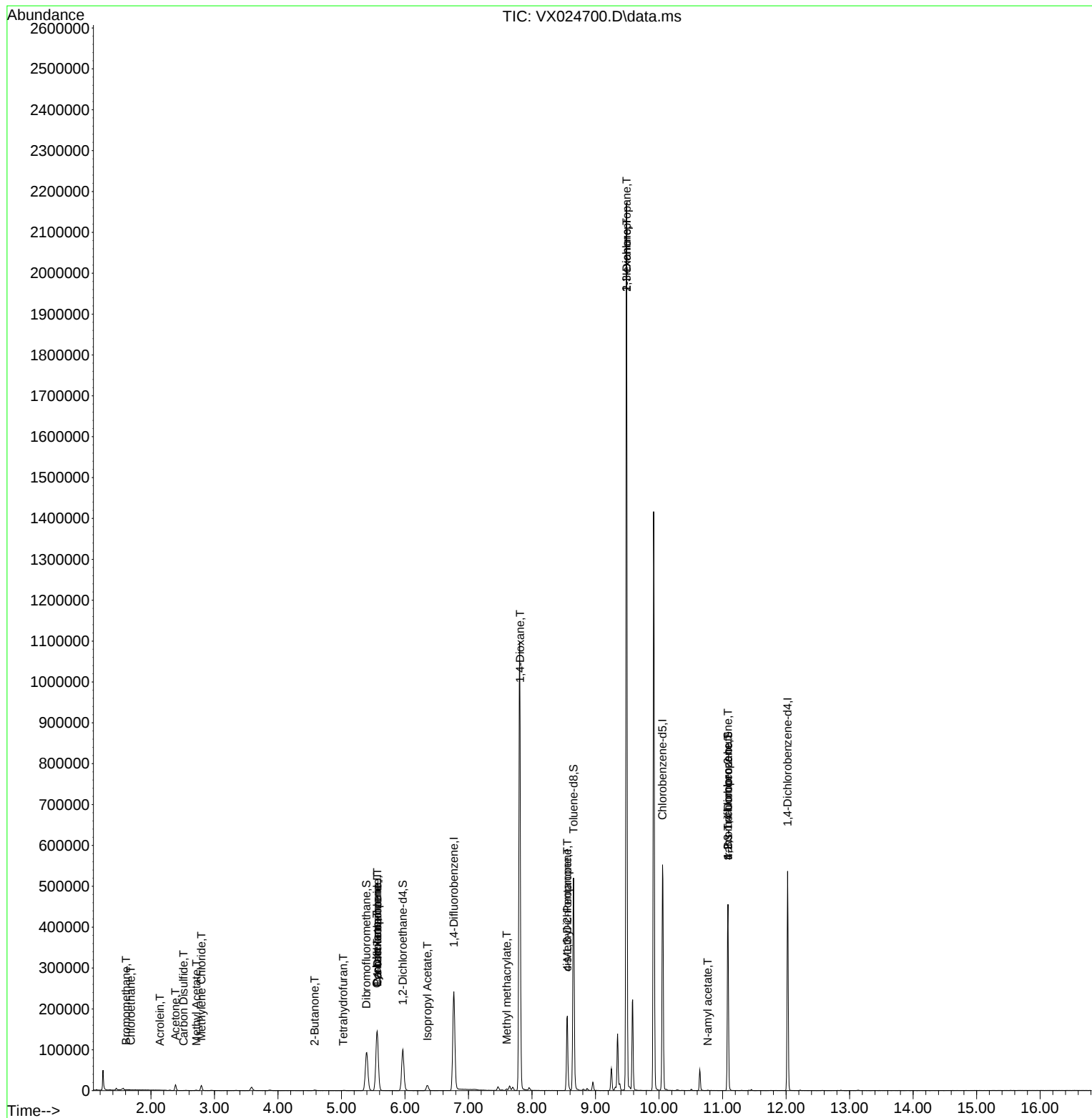
Internal Standards						
1) Pentafluorobenzene	5.562	168	133686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	233628	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100308	53.238	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.480%			
35) Dibromofluoromethane	5.391	113	79597	51.285	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.580%			
50) Toluene-d8	8.653	98	295541	51.737	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.480%			
62) 4-Bromofluorobenzene	11.085	95	113419	50.498	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.000%			
Target Compounds						Qvalue
5) Bromomethane	1.605	94	354	0.397	ug/l #	52
6) Chloroethane	1.685	64	164	0.443	ug/l #	43
11) Tert butyl alcohol	2.959	59	687	Below Cal	#	73
13) Acrolein	2.142	56	22	10.265	ug/l #	14
16) Acetone	2.386	43	14429	8.348	ug/l	99
17) Carbon Disulfide	2.514	76	243	0.304	ug/l #	75
18) Methyl Acetate	2.715	43	1412	0.500	ug/l	92
20) Methylene Chloride	2.794	84	5293	2.671	ug/l	91
25) 2-Butanone	4.574	43	2375	1.830	ug/l	100
29) Tetrahydrofuran	5.026	42	303	0.366	ug/l #	74
31) Cyclohexane	5.556	56	3105	1.376	ug/l #	28
36) 1,1-Dichloropropene	5.562	75	10442	4.662	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13734	5.633	ug/l #	16
43) Isopropyl Acetate	6.355	43	17217	4.050	ug/l	93
48) Methyl methacrylate	7.604	41	4914	2.334	ug/l #	10
49) 1,4-Dioxane	7.812	88	89	1.846	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	65108	23.199	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	27949	10.680	ug/l #	70
57) 1,3-Dichloropropane	9.488	76	17202	5.960	ug/l #	43
59) 2-Hexanone	9.488	43	255582	115.639	ug/l #	43
74) N-amyl acetate	10.768	43	774	0.226	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	61269	25.642	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	61269	69.876	ug/l #	12

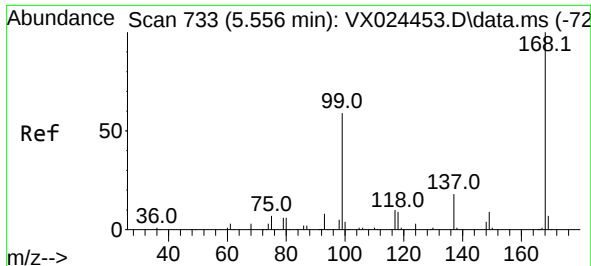
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

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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

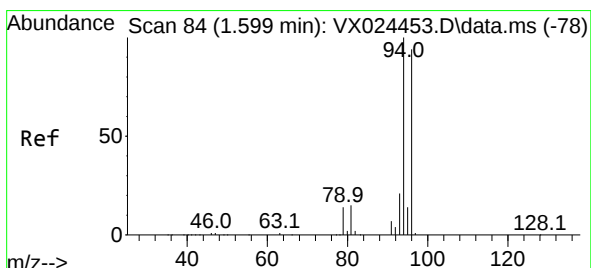
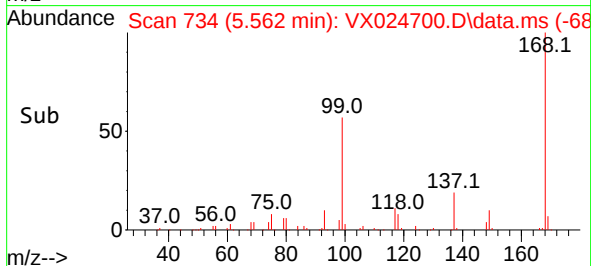
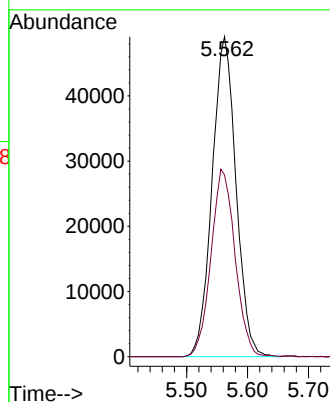
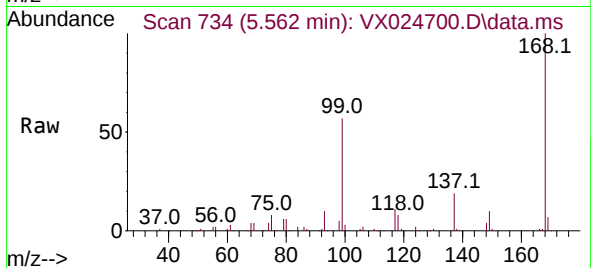




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

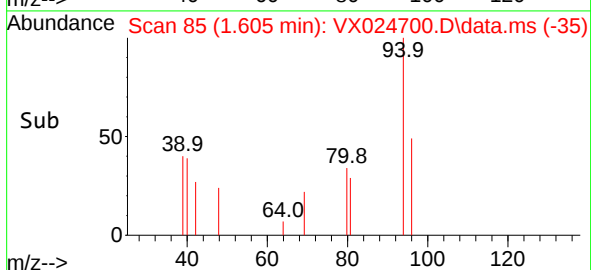
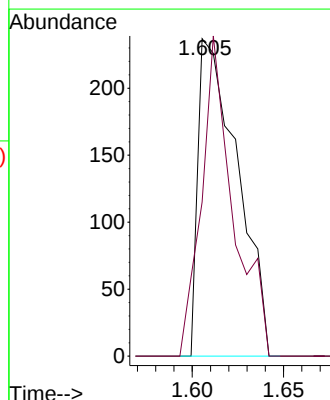
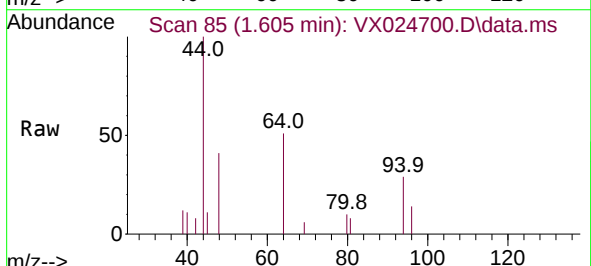
Instrument :
MSVOA_X
ClientSampleId :

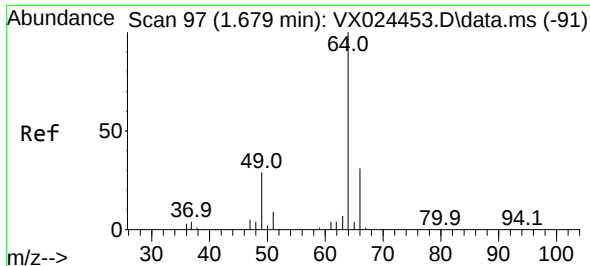
Tgt Ion:168 Resp: 133686
Ion Ratio Lower Upper
168 100
99 56.8 45.8 68.6



#5
Bromomethane
Concen: 0.397 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

Tgt Ion: 94 Resp: 354
Ion Ratio Lower Upper
94 100
96 48.5 76.4 114.6#

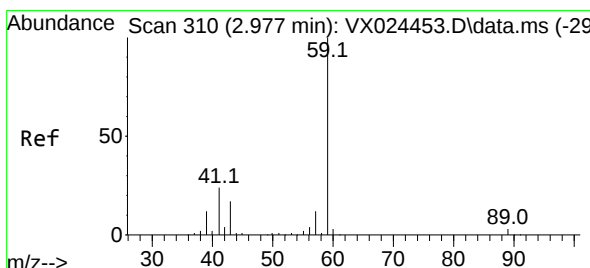
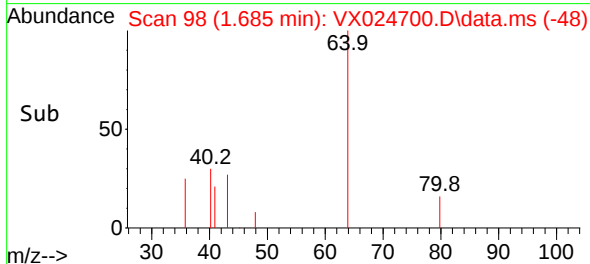
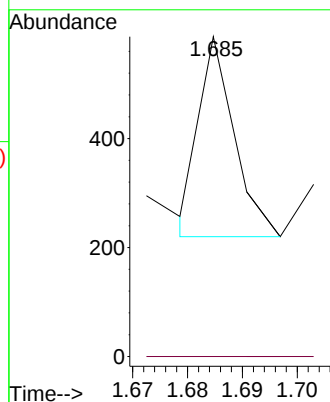
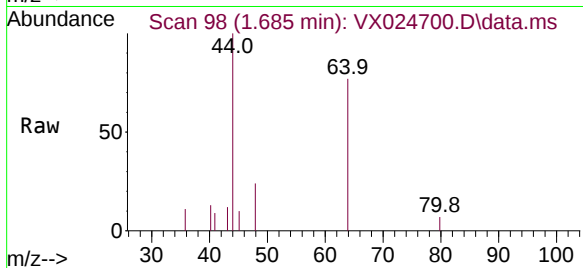




#6
Chloroethane
Concen: 0.443 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

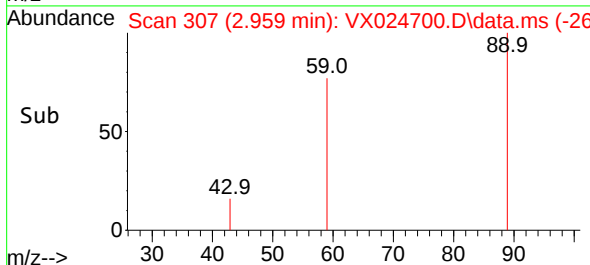
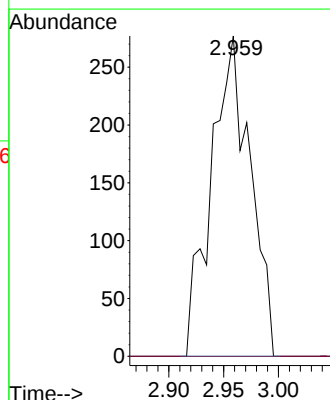
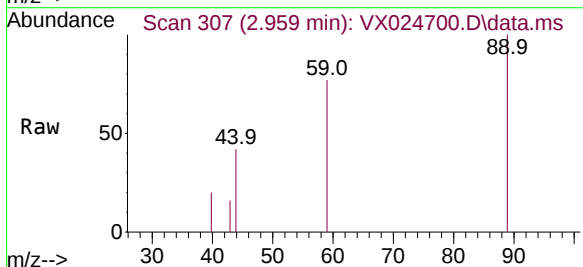
Instrument :
MSVOA_X
ClientSampled :

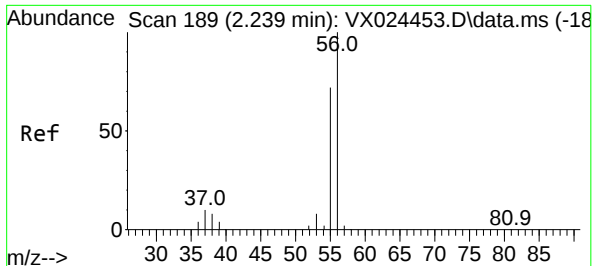
Tgt Ion: 64 Resp: 164
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

Tgt Ion: 59 Resp: 687
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

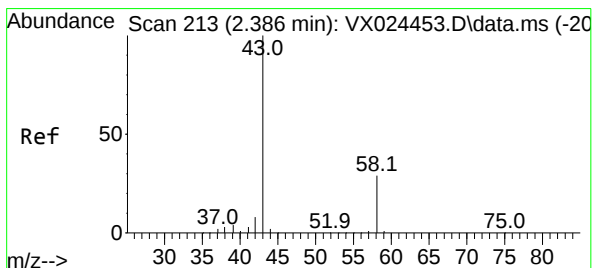
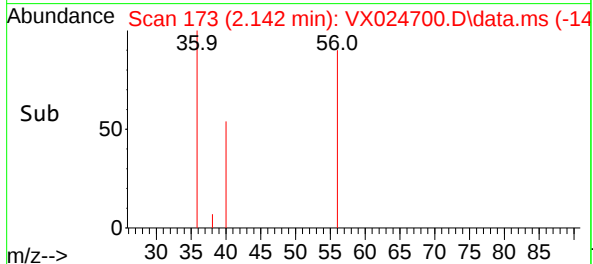
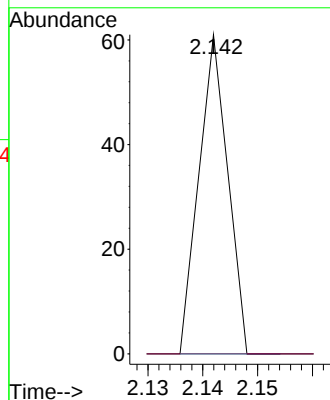
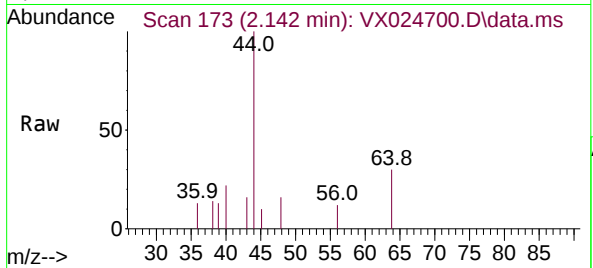




#13
Acrolein
Concen: 10.265 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.097 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

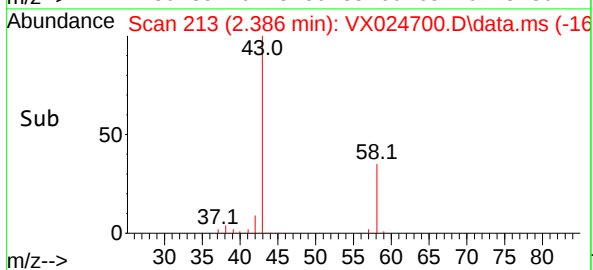
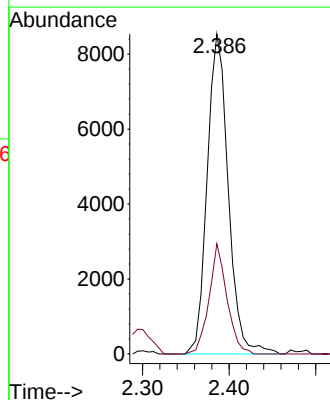
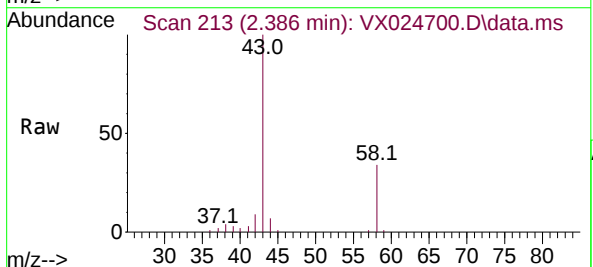
Instrument :
MSVOA_X
ClientSampleId :

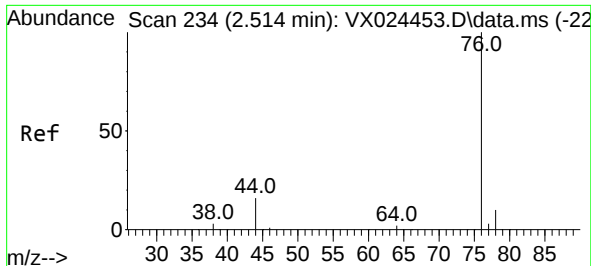
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 8.348 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

Tgt Ion: 43 Resp: 14429
Ion Ratio Lower Upper
43 100
58 34.5 27.8 41.8

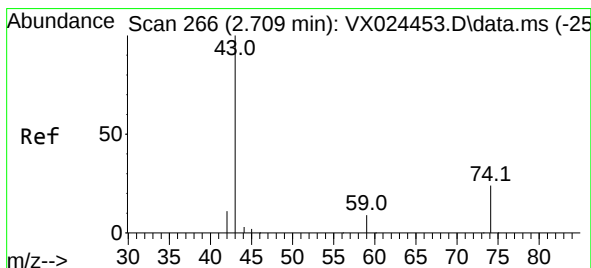
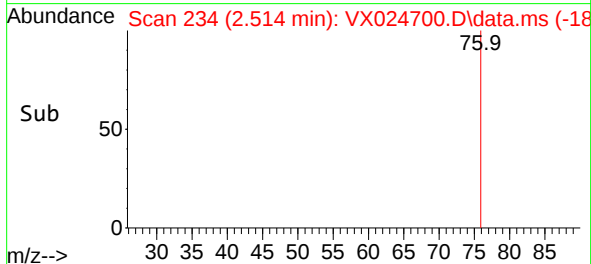
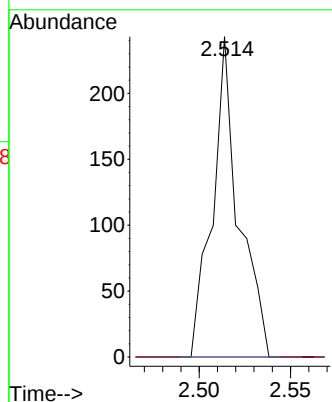
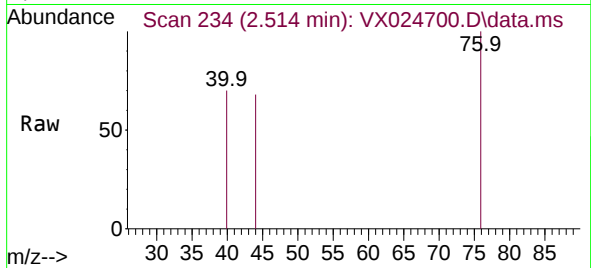




#17
Carbon Disulfide
Concen: 0.304 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

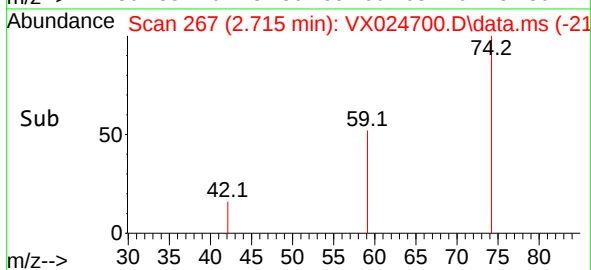
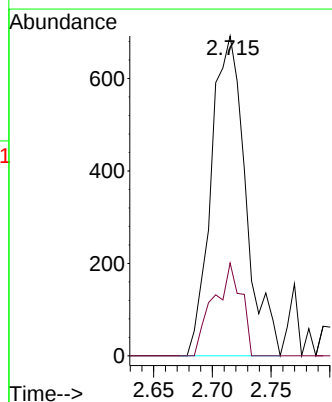
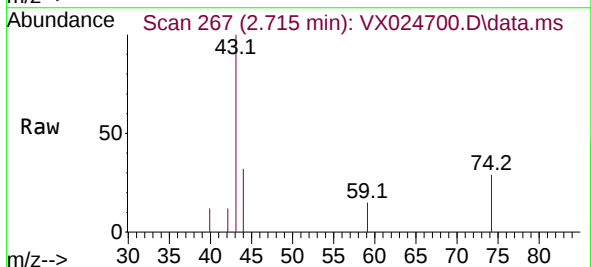
Instrument :
MSVOA_X
ClientSampled :

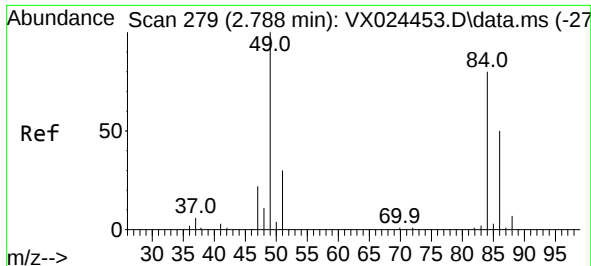
Tgt Ion: 76 Resp: 243
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.500 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

Tgt Ion: 43 Resp: 1412
Ion Ratio Lower Upper
43 100
74 23.3 21.9 32.9

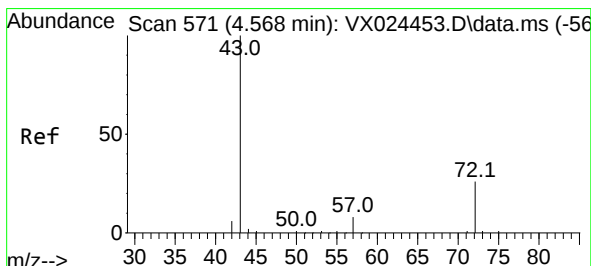
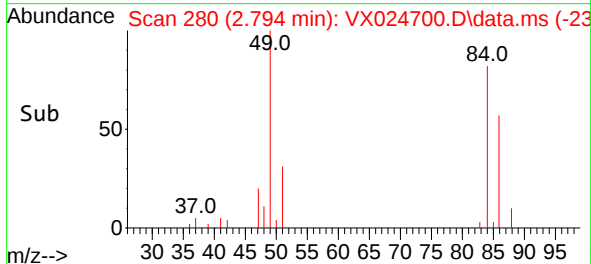
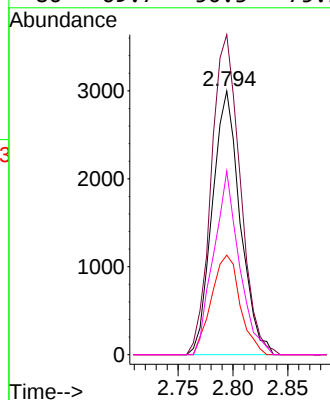
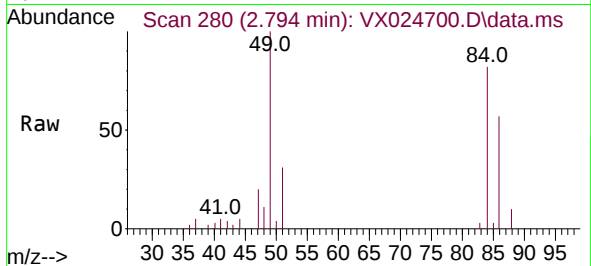




#20
Methylene Chloride
Concen: 2.671 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

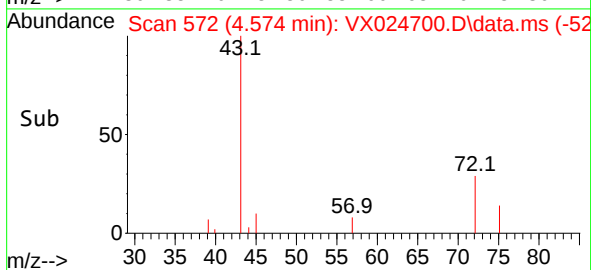
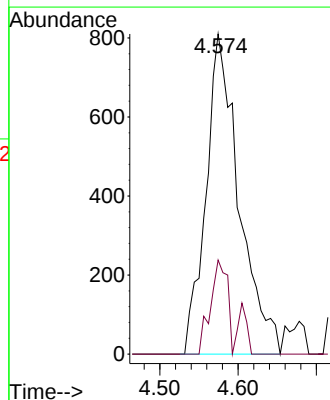
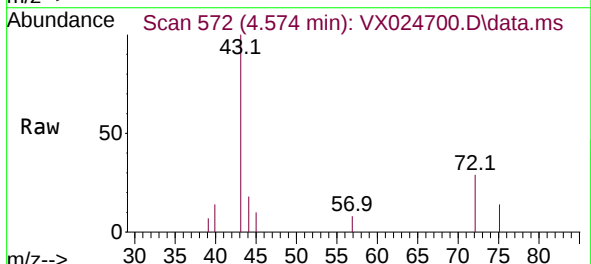
Instrument :
MSVOA_X
ClientSampled :

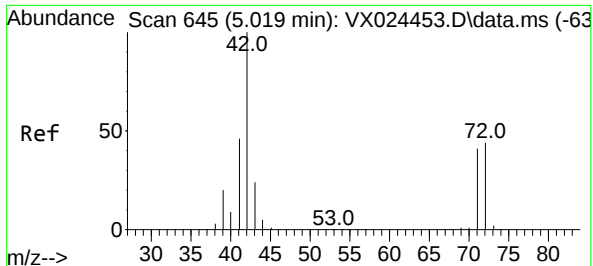
Tgt Ion:	84	Resp:	5293
Ion	Ratio	Lower	Upper
84	100		
49	121.4	88.6	132.8
51	37.7	27.0	40.6
86	69.7	50.3	75.5



#25
2-Butanone
Concen: 1.830 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

Tgt Ion:	43	Resp:	2375
Ion	Ratio	Lower	Upper
43	100		
72	29.4	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.366 ug/l

RT: 5.026 min Scan# 646

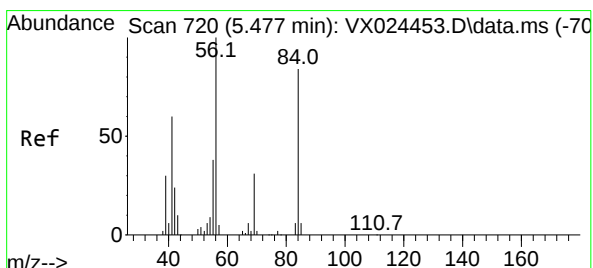
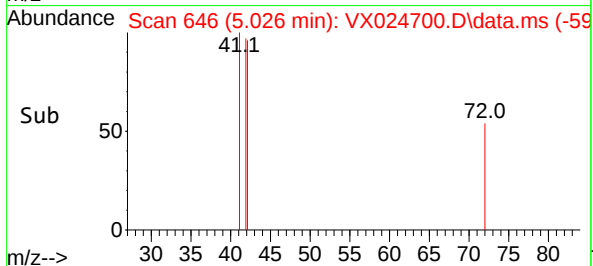
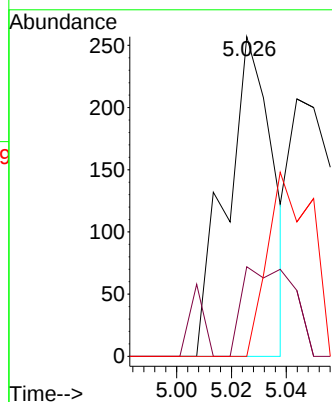
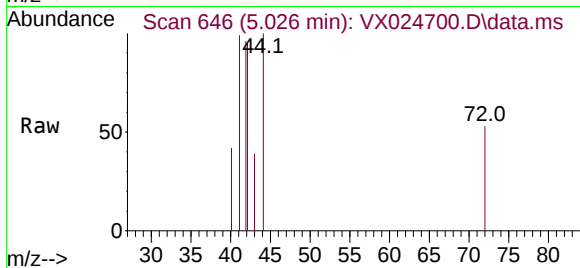
Delta R.T. 0.007 min

Lab File: VX024700.D

Acq: 09 Oct 2021 04:06

Tgt Ion:	42	Resp:	303
Ion	Ratio	Lower	Upper
42	100		
72	31.0	41.7	62.5#
71	62.4	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.376 ug/l

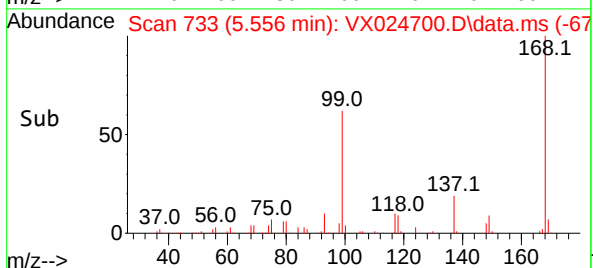
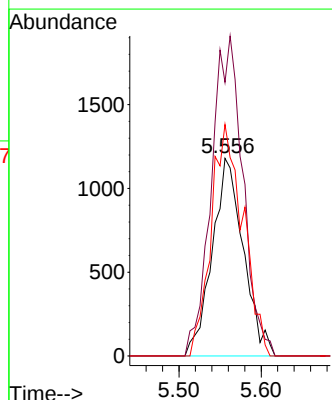
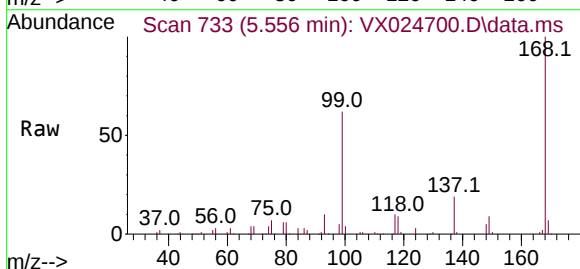
RT: 5.556 min Scan# 733

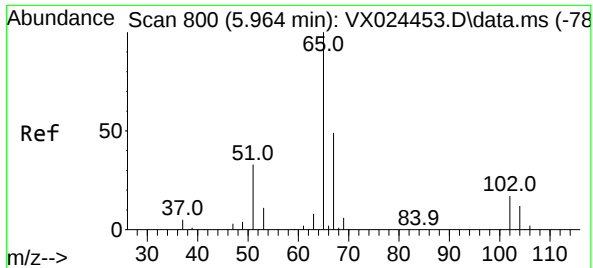
Delta R.T. 0.079 min

Lab File: VX024700.D

Acq: 09 Oct 2021 04:06

Tgt Ion:	56	Resp:	3105
Ion	Ratio	Lower	Upper
56	100		
69	138.4	25.3	37.9#
84	117.1	71.4	107.0#

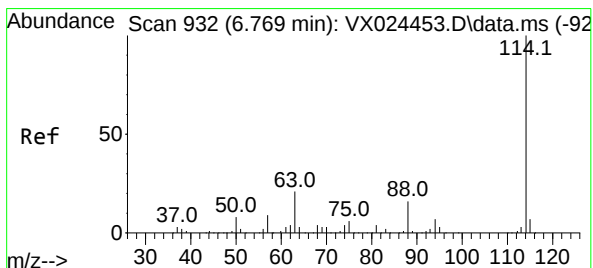
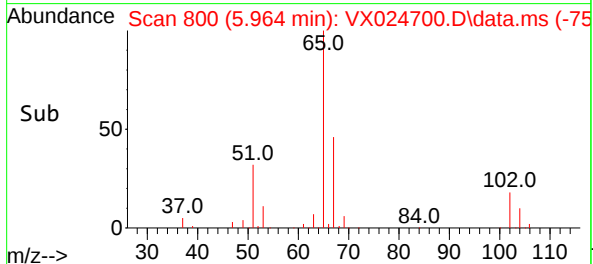
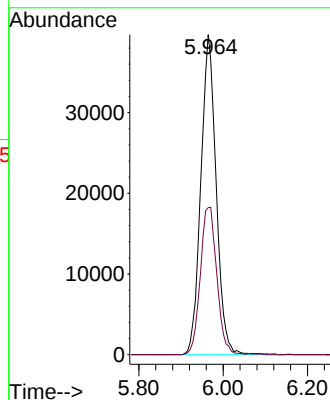
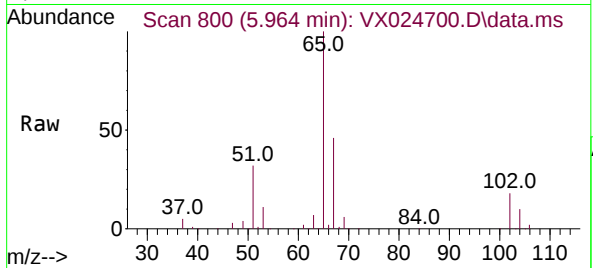




#33
 1,2-Dichloroethane-d4
 Concen: 53.238 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX024700.D
 Acq: 09 Oct 2021 04:06

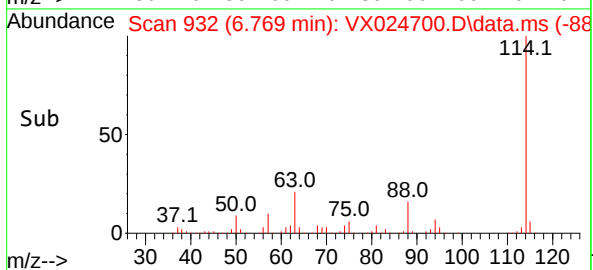
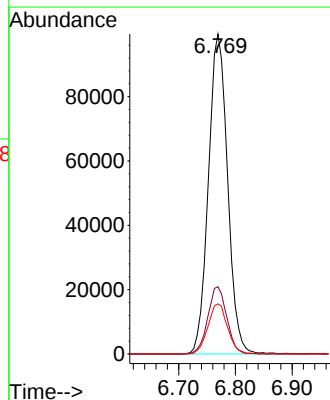
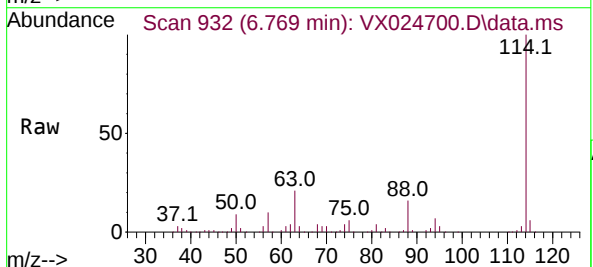
Instrument :
 MSVOA_X
 ClientSampleId :

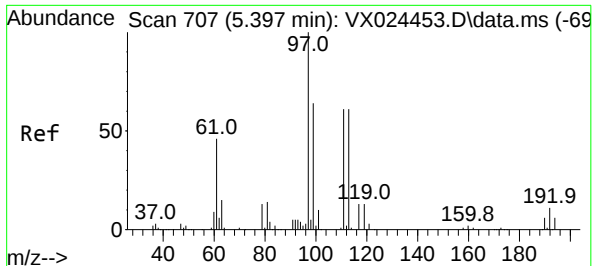
Tgt Ion: 65 Resp: 100308
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX024700.D
 Acq: 09 Oct 2021 04:06

Tgt Ion: 114 Resp: 233628
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.8
 88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.285 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX024700.D

Acq: 09 Oct 2021 04:06

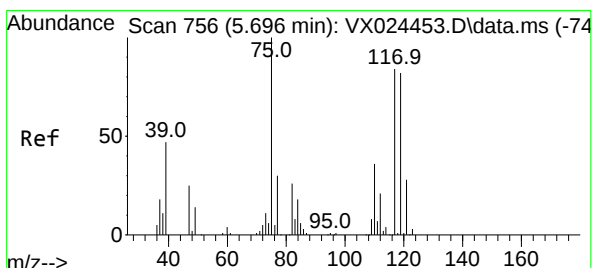
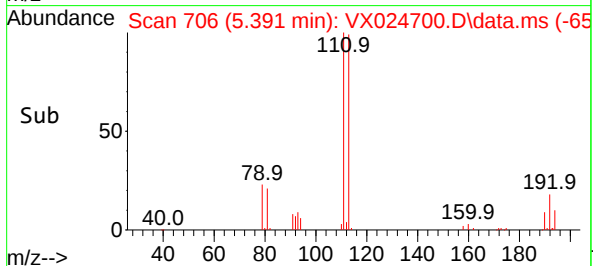
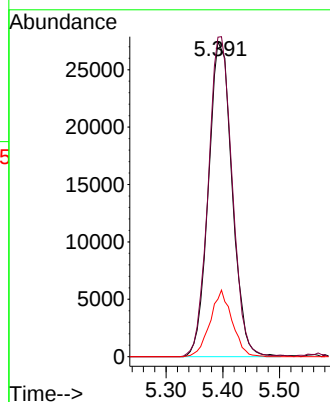
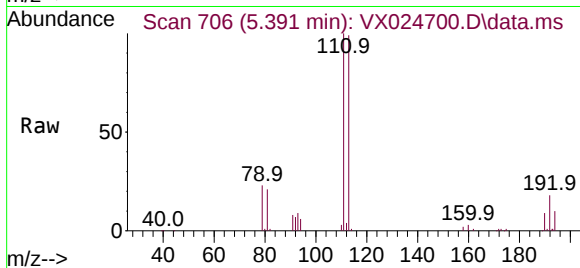
Tgt Ion:113 Resp: 79597

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

192 19.7 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.662 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX024700.D

Acq: 09 Oct 2021 04:06

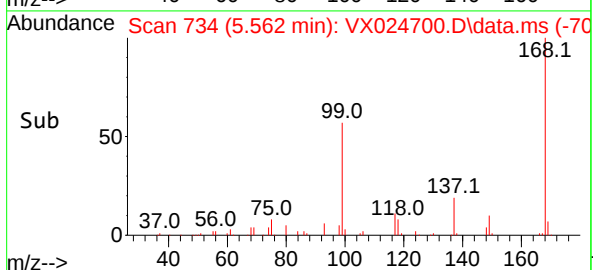
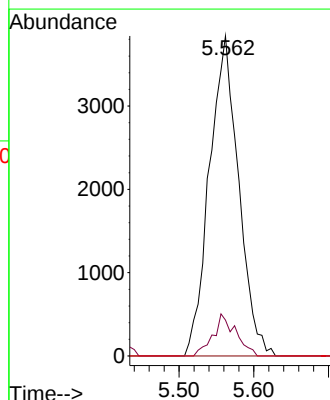
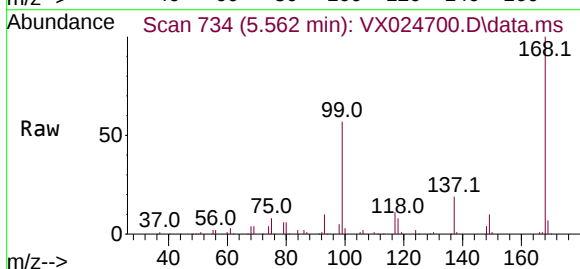
Tgt Ion: 75 Resp: 10442

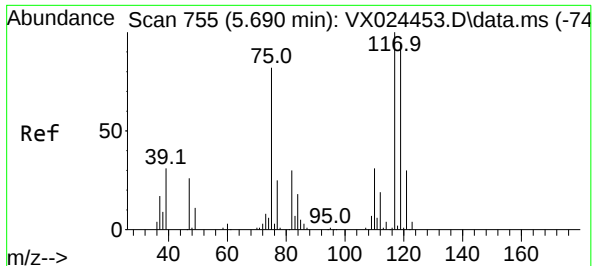
Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.4#

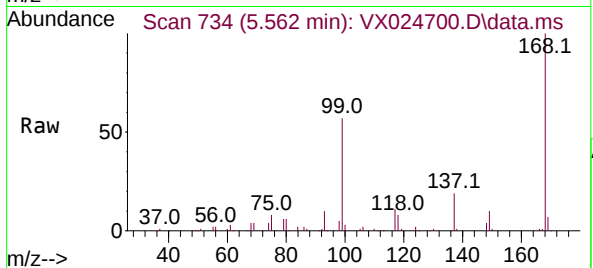
77 0.0 25.3 37.9#



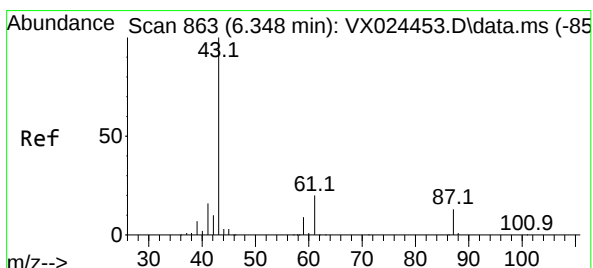
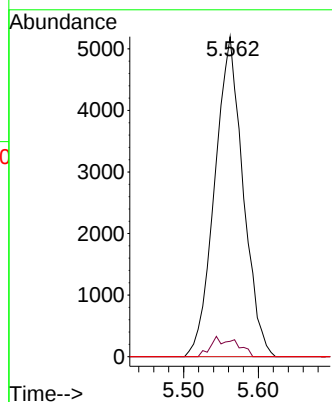
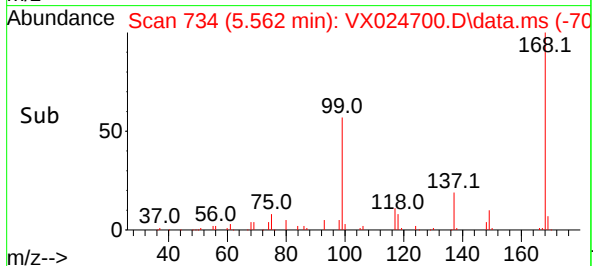


#38
Carbon Tetrachloride
Concen: 5.633 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

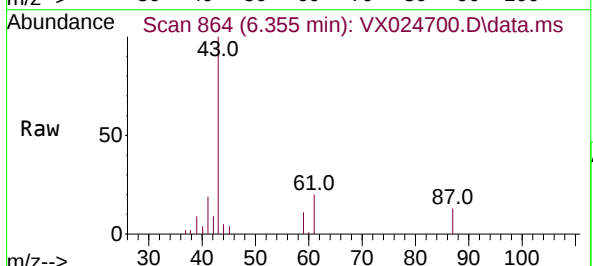
Instrument :
MSVOA_X
ClientSampled :



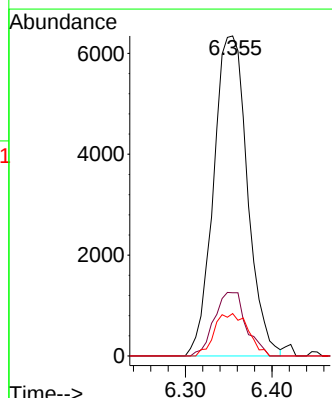
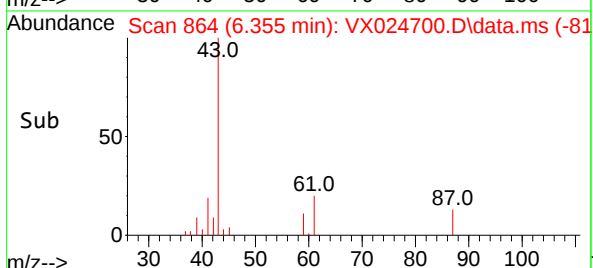
Tgt Ion:117 Resp: 13734
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#

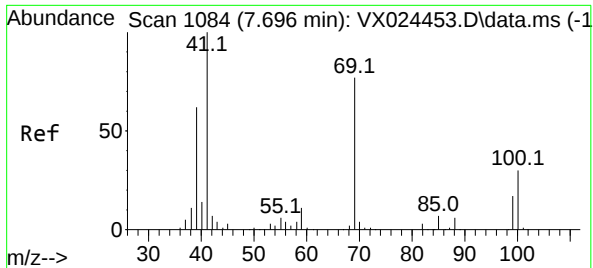


#43
Isopropyl Acetate
Concen: 4.050 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06



Tgt Ion: 43 Resp: 17217
Ion Ratio Lower Upper
43 100
61 18.6 18.2 27.4
87 13.2 12.5 18.7

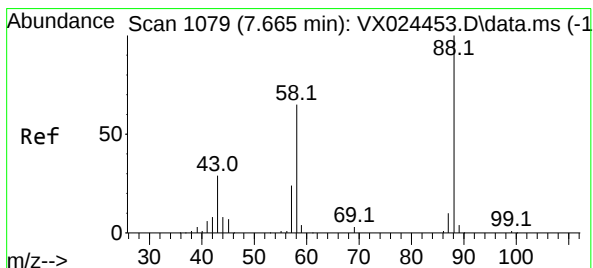
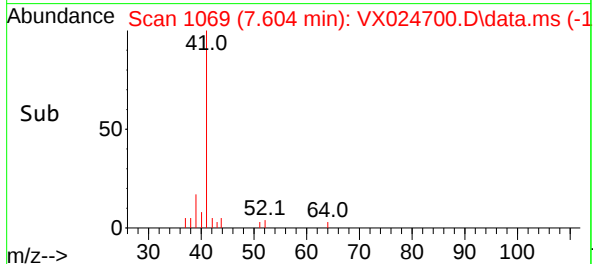
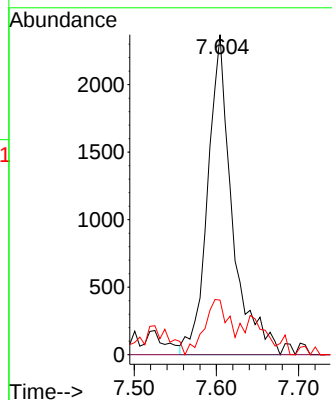
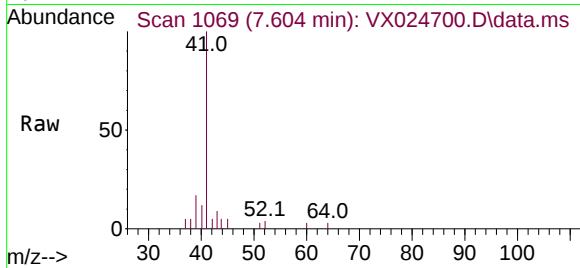




#48
Methyl methacrylate
Concen: 2.334 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

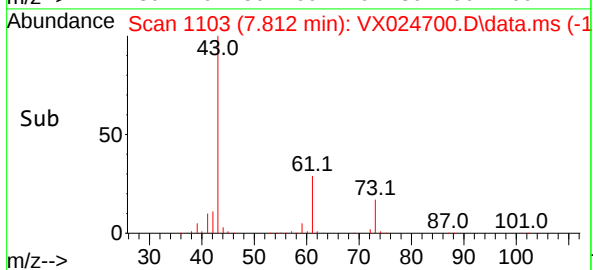
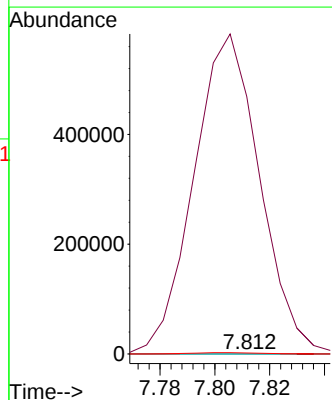
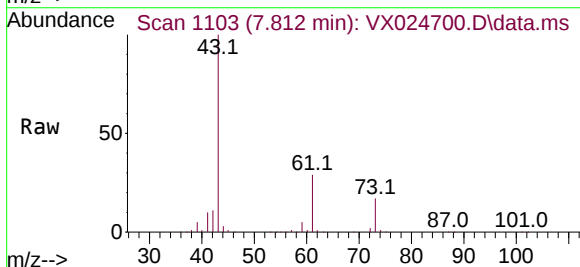
Instrument :
MSVOA_X
ClientSampled :

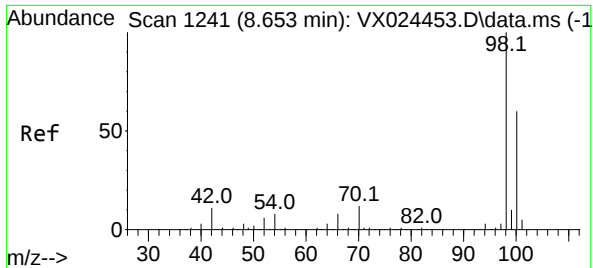
Tgt Ion: 41 Resp: 4914
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 1.846 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.147 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 1105375.3 23.2 34.8#
58 4733.7 55.0 82.4#

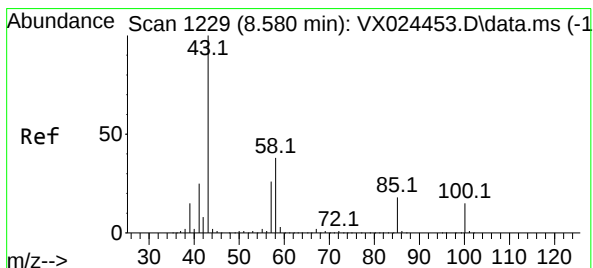
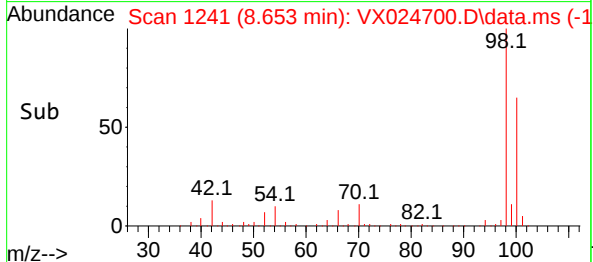
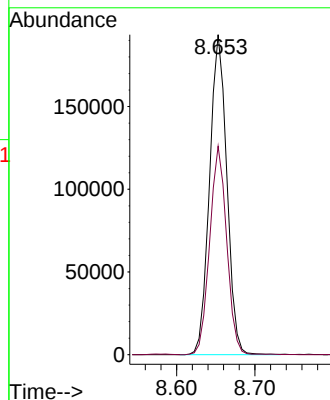
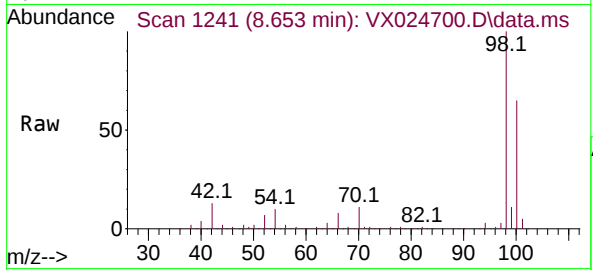




#50
Toluene-d8
Concen: 51.737 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

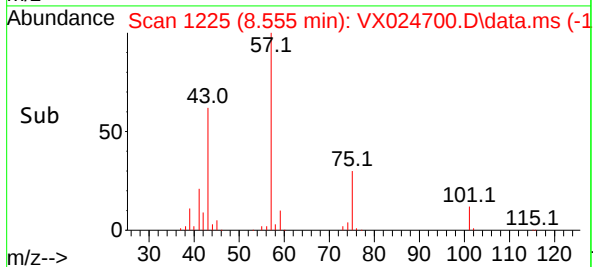
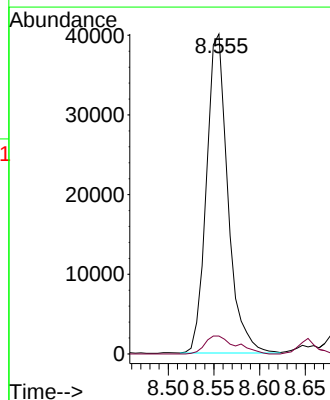
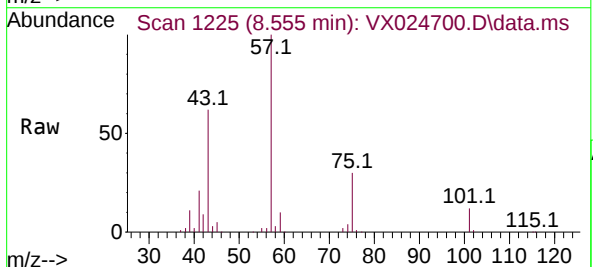
Instrument :
MSVOA_X
ClientSampled :

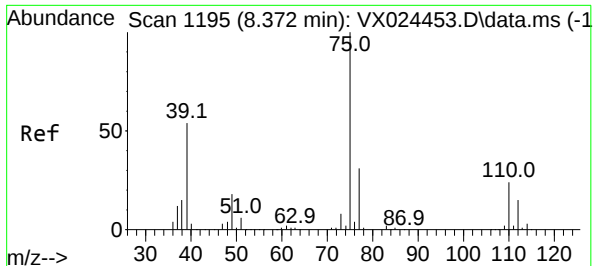
Tgt Ion: 98 Resp: 295541
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 23.199 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

Tgt Ion: 43 Resp: 65108
Ion Ratio Lower Upper
43 100
58 8.2 35.4 53.0#

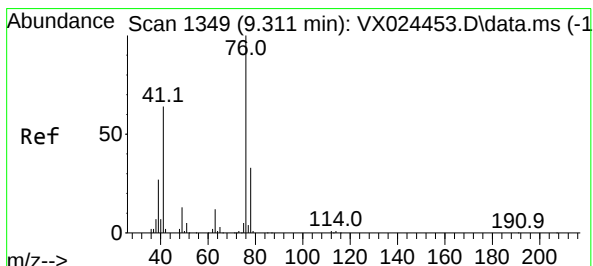
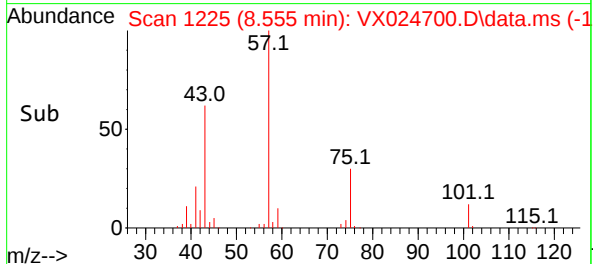
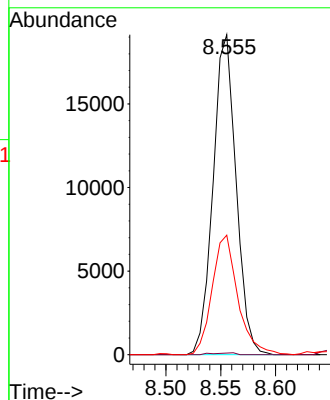
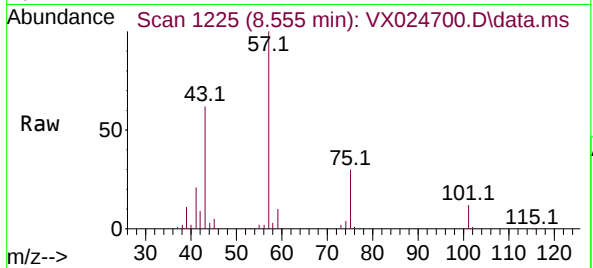




#54
 cis-1,3-Dichloropropene
 Concen: 10.680 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX024700.D
 Acq: 09 Oct 2021 04:06

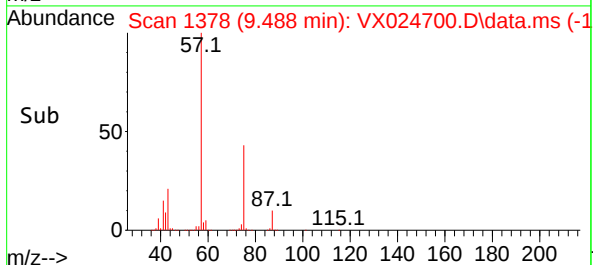
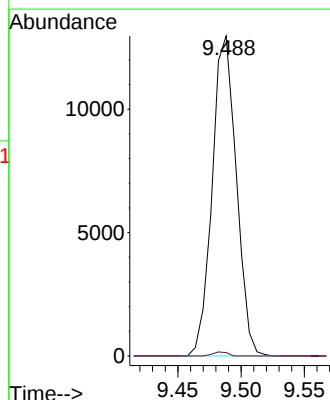
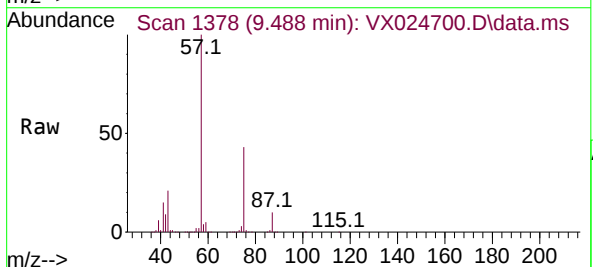
Instrument :
 MSVOA_X
 ClientSampled :

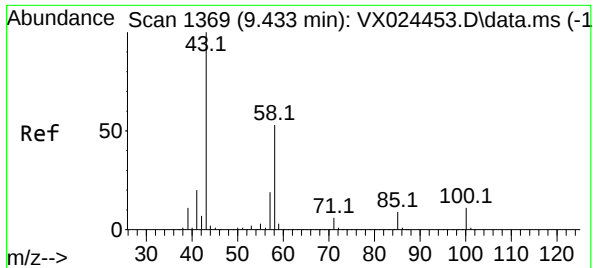
Tgt Ion: 75 Resp: 27949
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.7 38.5#
 39 37.3 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 5.960 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX024700.D
 Acq: 09 Oct 2021 04:06

Tgt Ion: 76 Resp: 17202
 Ion Ratio Lower Upper
 76 100
 78 0.8 26.2 39.2#

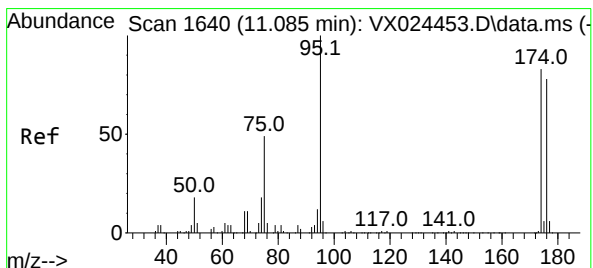
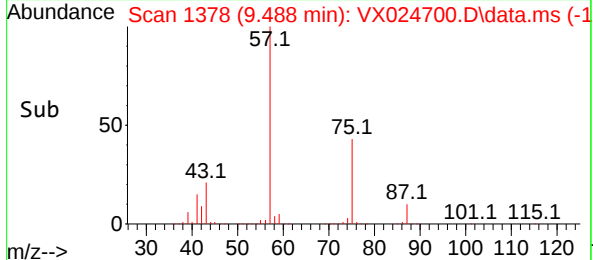
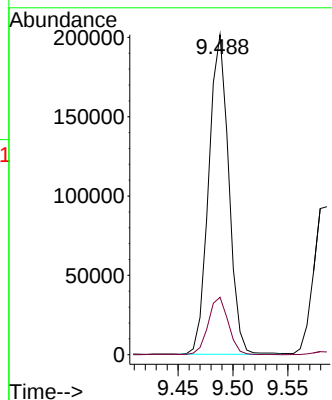
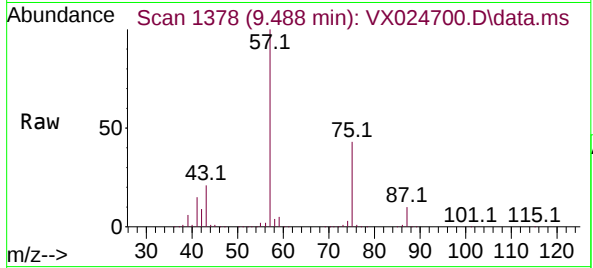




#59
2-Hexanone
Concen: 115.639 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

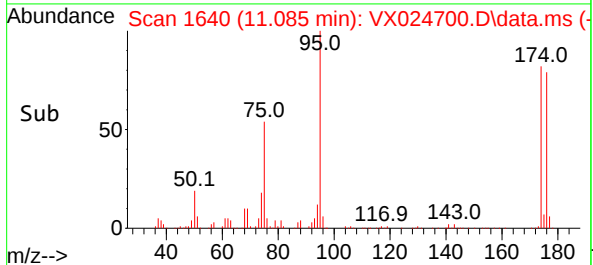
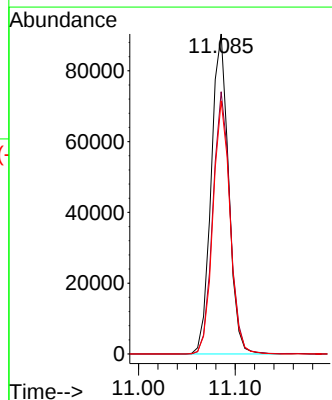
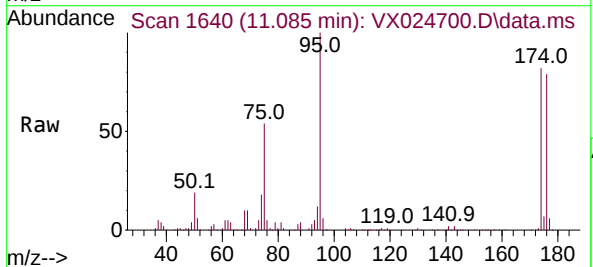
Instrument :
MSVOA_X
ClientSampled :

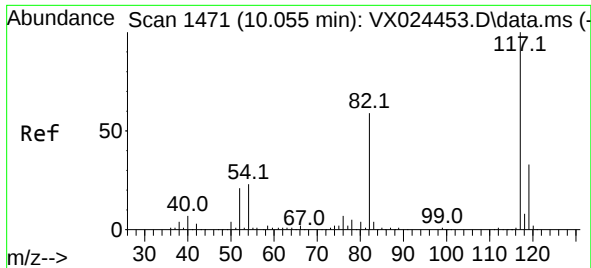
Tgt Ion: 43 Resp: 255582
Ion Ratio Lower Upper
43 100
58 18.1 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 50.498 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

Tgt Ion: 95 Resp: 113419
Ion Ratio Lower Upper
95 100
174 81.0 0.0 154.6
176 77.4 0.0 155.8

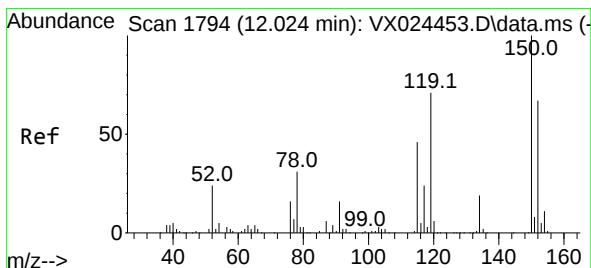
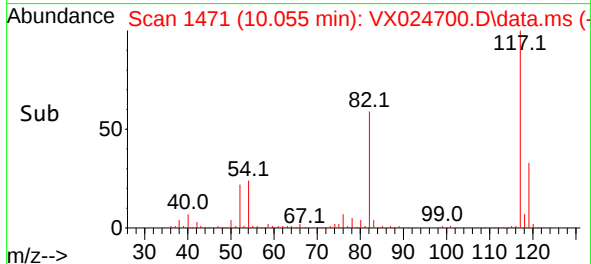
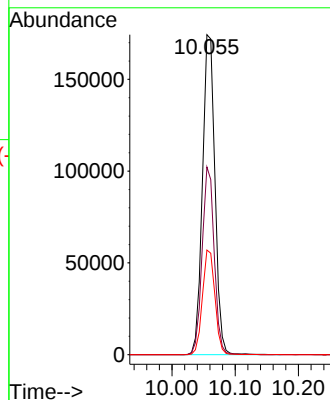
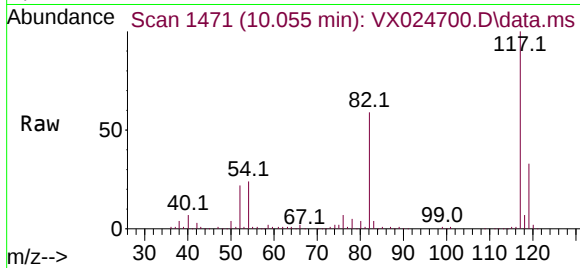




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

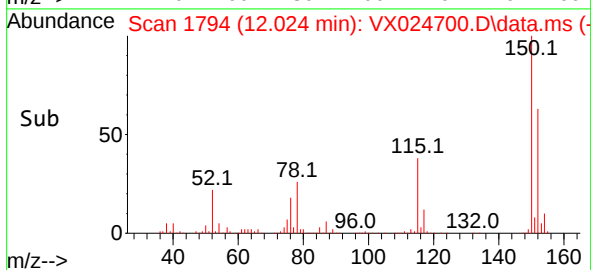
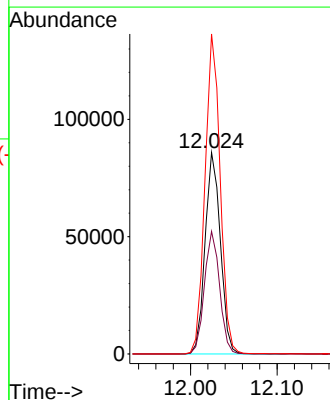
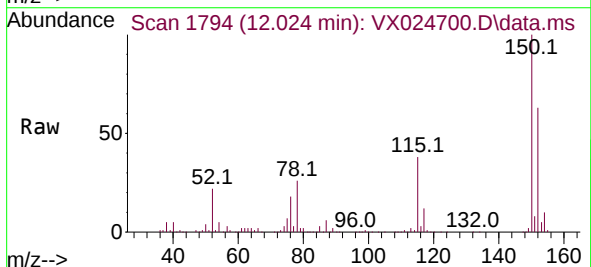
Instrument :
MSVOA_X
ClientSampleId :

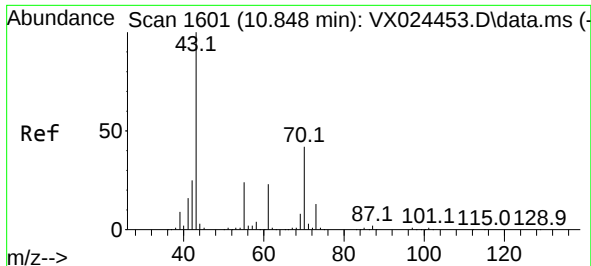
Tgt Ion:117 Resp: 240055
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.2
119 32.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

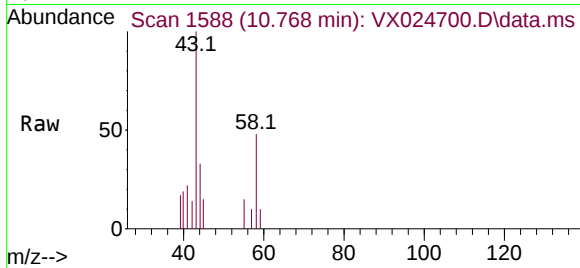
Tgt Ion:152 Resp: 105215
Ion Ratio Lower Upper
152 100
115 60.4 41.1 123.3
150 157.7 0.0 349.0



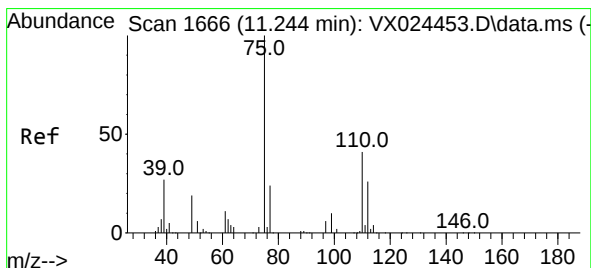
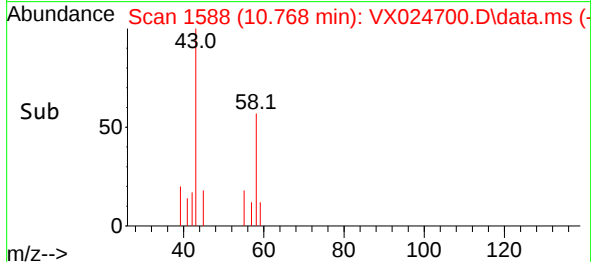
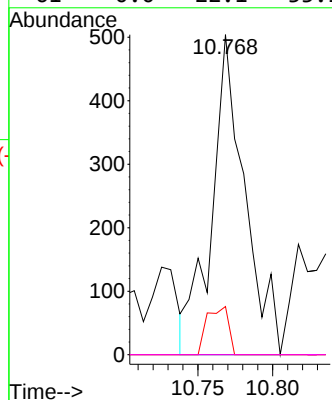


#74
N-amy1 acetate
Concen: 0.226 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

Instrument :
MSVOA_X
ClientSampleId :

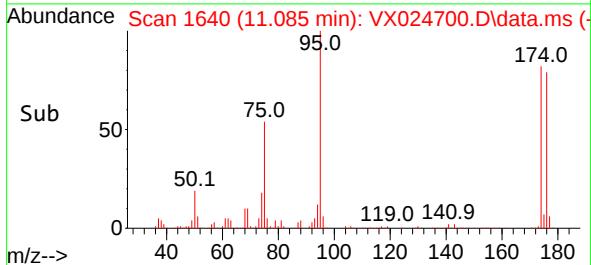
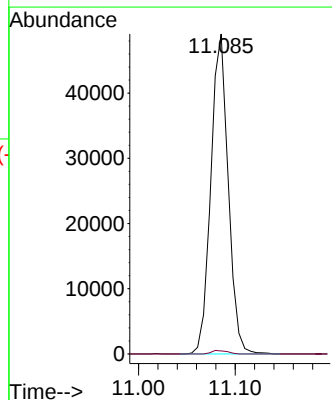
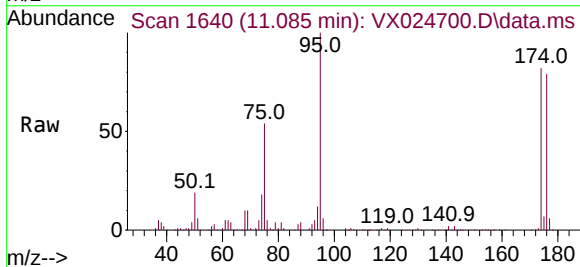


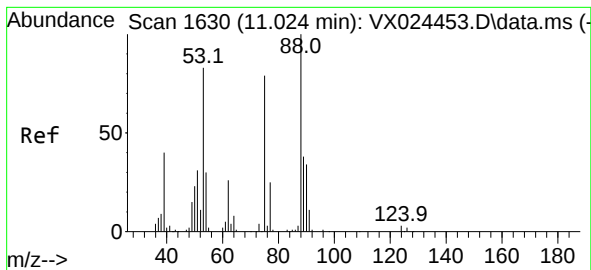
Tgt Ion:	43	Resp:	774
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.6#
55	9.8	21.5	32.3#
61	0.0	22.1	33.1#



#76
1,2,3-Trichloropropane
Concen: 25.642 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024700.D
Acq: 09 Oct 2021 04:06

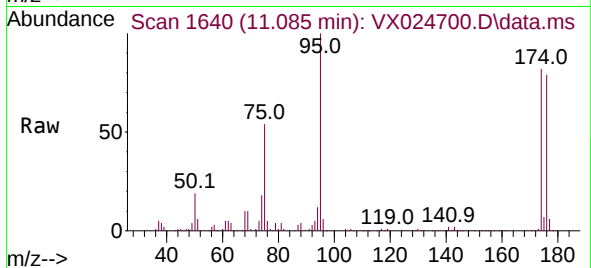
Tgt Ion:	75	Resp:	61269
Ion	Ratio	Lower	Upper
75	100		
77	1.0	19.1	57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.876 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX024700.D
 Acq: 09 Oct 2021 04:06

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 61269
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

