

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024742.D
 Acq On : 12 Oct 2021 04:34
 Operator : JC/MD
 Sample : M4158-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 08:10:27 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)

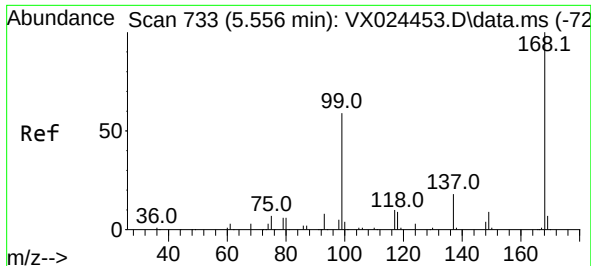
Internal Standards						
1) Pentafluorobenzene	5.562	168	133531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	234094	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102702	54.572	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.140%	
35) Dibromofluoromethane	5.391	113	80635	51.851	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.700%	
50) Toluene-d8	8.653	98	299708	52.362	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.720%	
62) 4-Bromofluorobenzene	11.085	95	112579	50.025	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.040%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	320	0.359	ug/l #	68
6) Chloroethane	1.660	64	143	0.420	ug/l #	43
11) Tert butyl alcohol	2.965	59	594	Below Cal	#	73
13) Acrolein	2.239	56	42	10.454	ug/l #	14
16) Acetone	2.386	43	17289	12.124	ug/l	93
17) Carbon Disulfide	2.514	76	200	0.291	ug/l #	75
18) Methyl Acetate	2.715	43	1487	0.528	ug/l #	83
20) Methylene Chloride	2.794	84	6514	3.563	ug/l #	83
25) 2-Butanone	4.580	43	2550	1.967	ug/l #	88
29) Tetrahydrofuran	5.038	42	431	0.522	ug/l #	42
31) Cyclohexane	5.556	56	3044	1.351	ug/l #	36
36) 1,1-Dichloropropene	5.556	75	10658	4.749	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14156	5.795	ug/l #	16
43) Isopropyl Acetate	6.348	43	15997	3.756	ug/l #	92
48) Methyl methacrylate	7.604	41	5135	2.435	ug/l #	10
49) 1,4-Dioxane	7.793	88	142	2.939	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	61078	21.720	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	25200	9.610	ug/l #	70
57) 1,3-Dichloropropane	9.488	76	15468	5.348	ug/l #	42
59) 2-Hexanone	9.384	43	6924	3.127	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	61847	26.027	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	61847	70.896	ug/l #	12

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

Instrument :
MSVOA_X
ClientSampleId :

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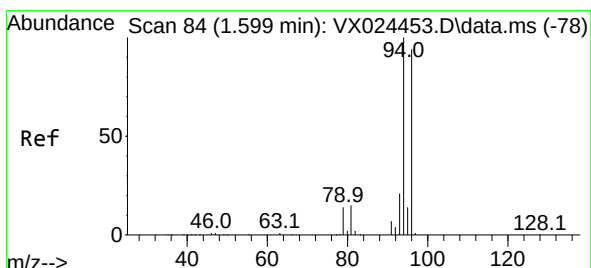
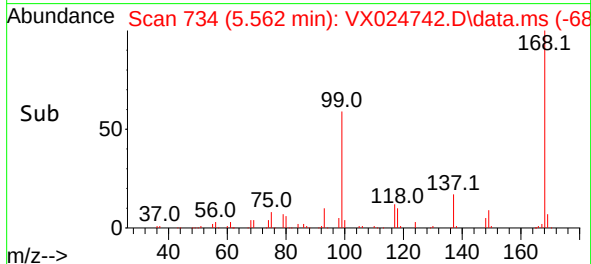
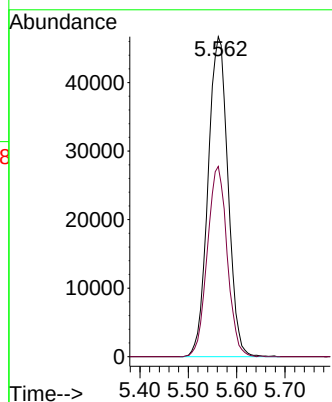
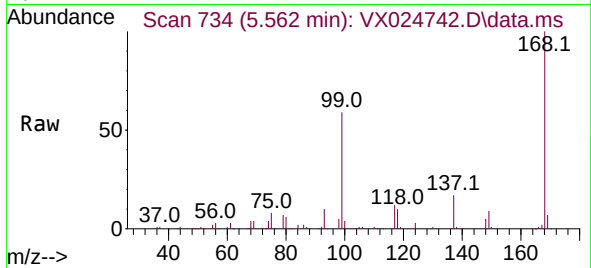




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

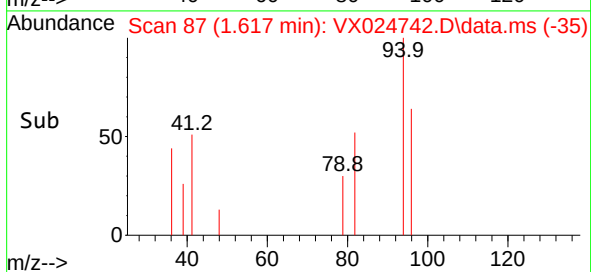
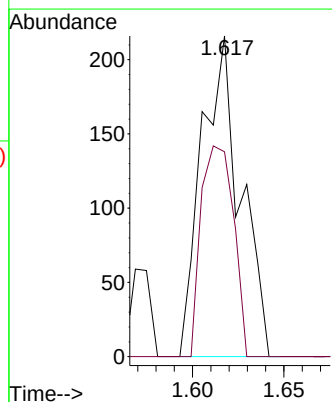
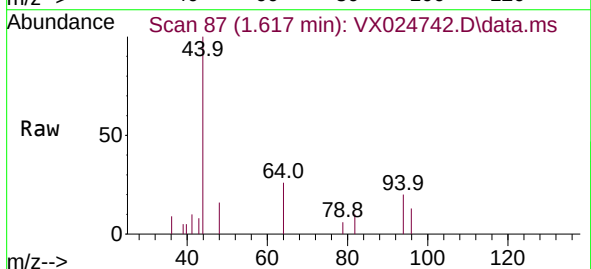
Instrument :
MSVOA_X
ClientSampleId :

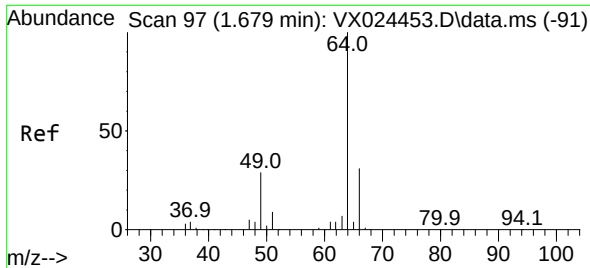
Tgt Ion:168 Resp: 133531
Ion Ratio Lower Upper
168 100
99 59.5 45.8 68.6



#5
Bromomethane
Concen: 0.359 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

Tgt Ion: 94 Resp: 320
Ion Ratio Lower Upper
94 100
96 63.9 76.4 114.6#

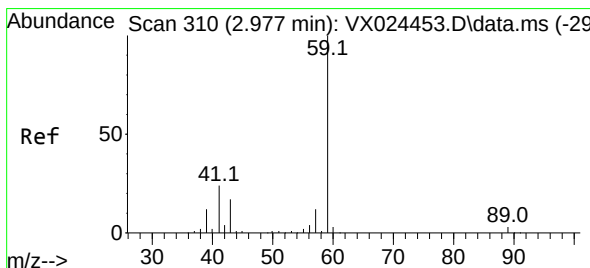
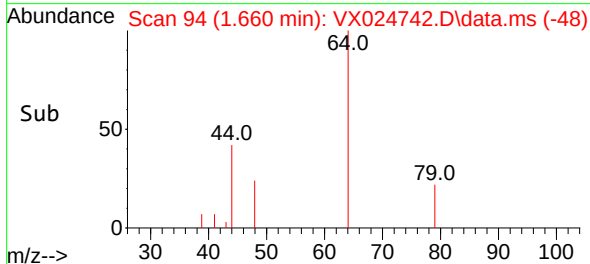
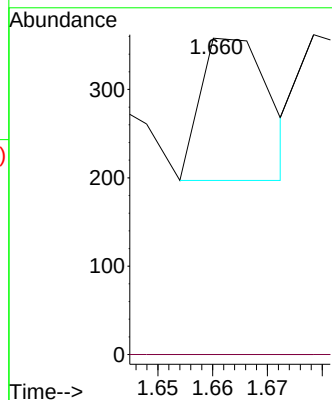
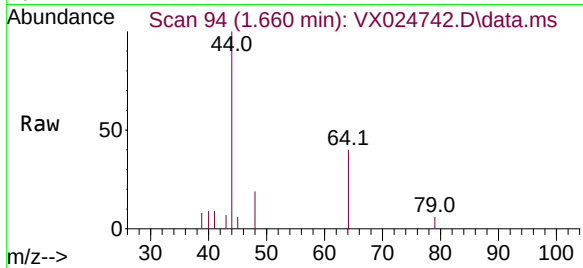




#6
Chloroethane
Concen: 0.420 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

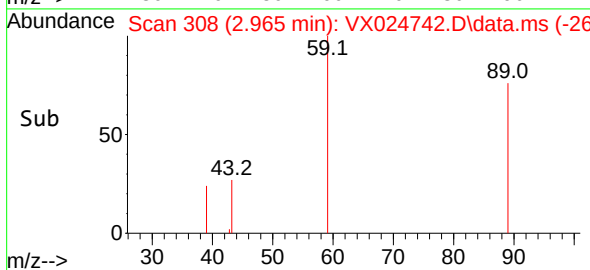
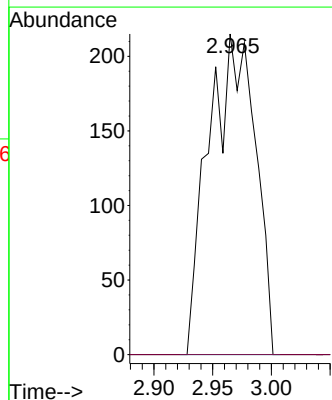
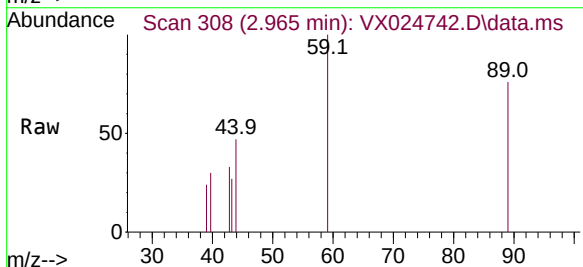
Instrument :
MSVOA_X
ClientSampled :

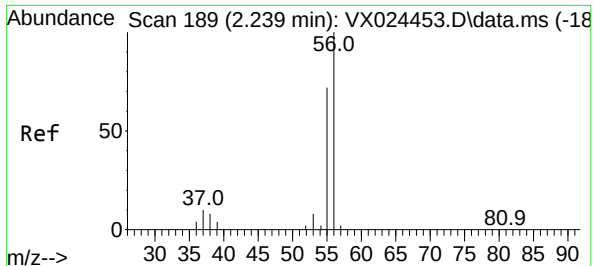
Tgt Ion: 64 Resp: 143
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

Tgt Ion: 59 Resp: 594
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

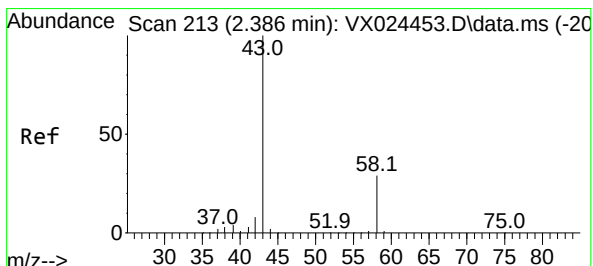
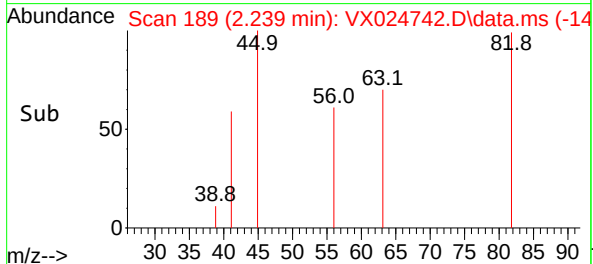
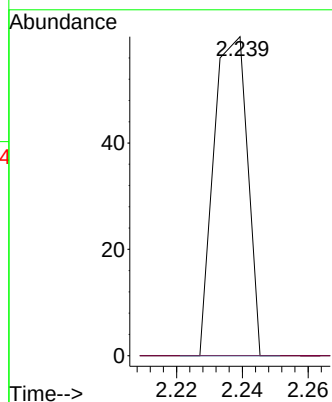
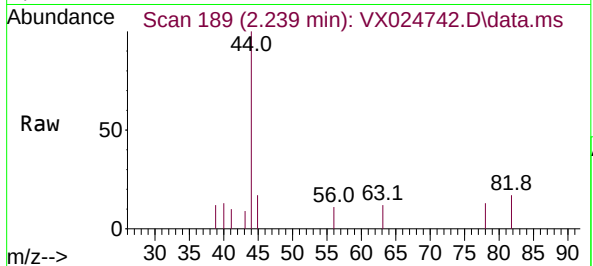




#13
Acrolein
Concen: 10.454 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

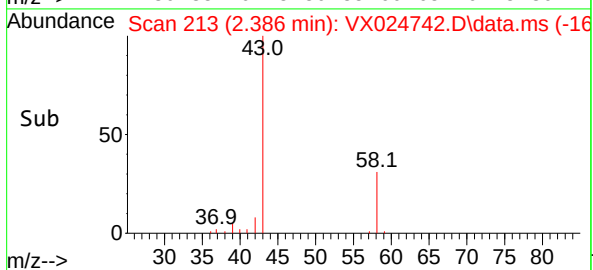
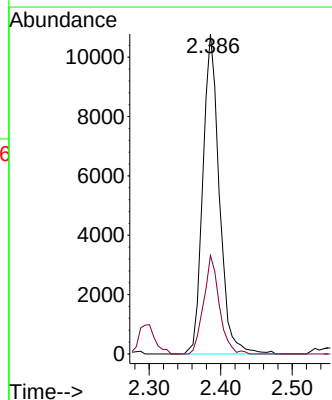
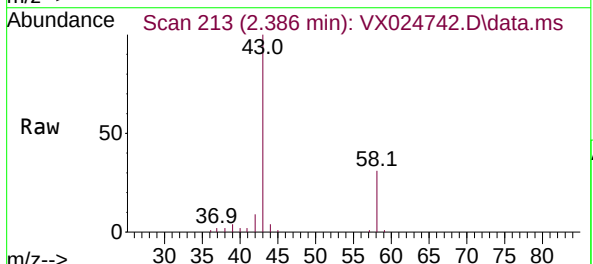
Instrument :
MSVOA_X
ClientSampled :

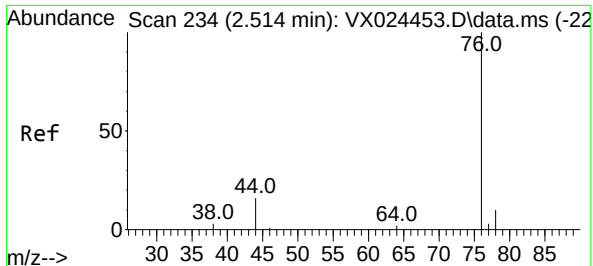
Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 12.124 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

Tgt Ion: 43 Resp: 17289
Ion Ratio Lower Upper
43 100
58 30.8 27.8 41.8

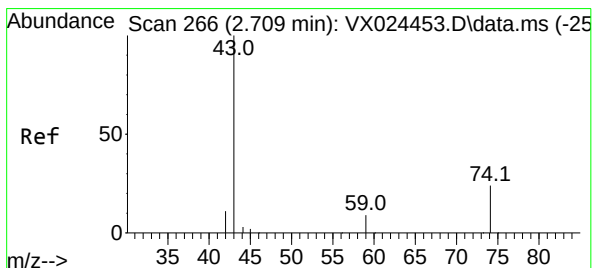
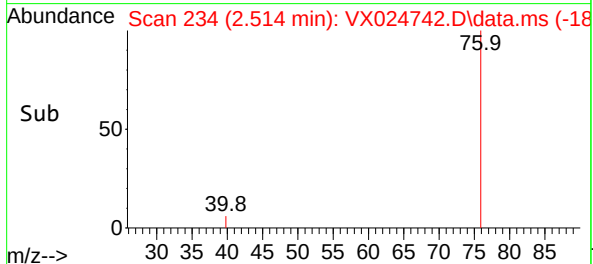
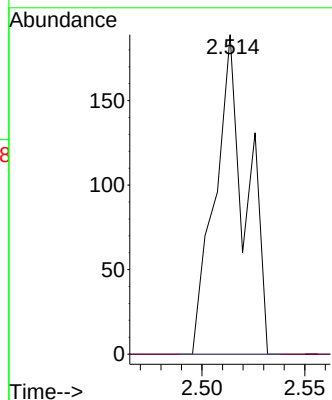
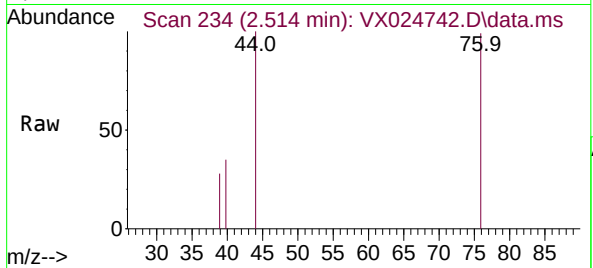




#17
Carbon Disulfide
Concen: 0.291 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

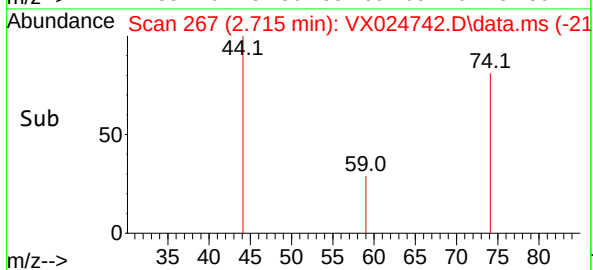
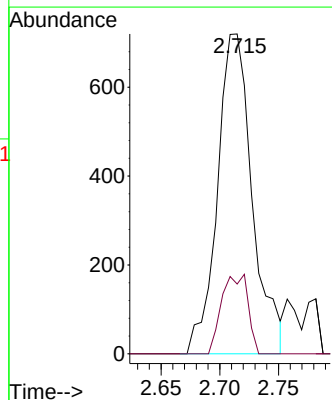
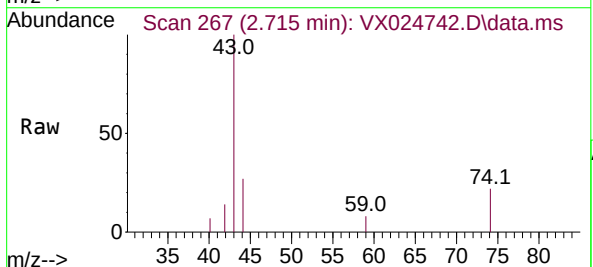
Instrument :
MSVOA_X
ClientSampled :

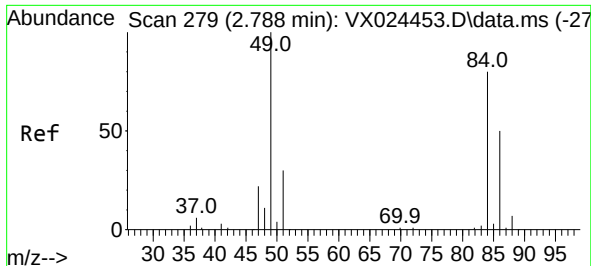
Tgt Ion: 76 Resp: 200
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.528 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

Tgt Ion: 43 Resp: 1487
Ion Ratio Lower Upper
43 100
74 18.6 21.9 32.9#





#20

Methylene Chloride

Concen: 3.563 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX024742.D

Acq: 12 Oct 2021 04:34

Tgt Ion: 84 Resp: 6514

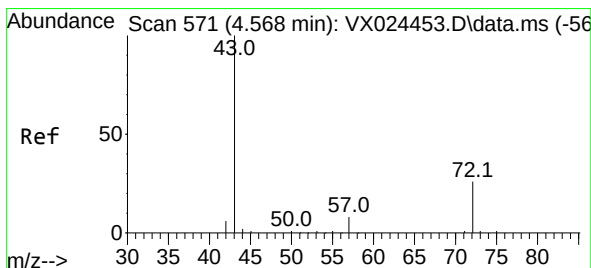
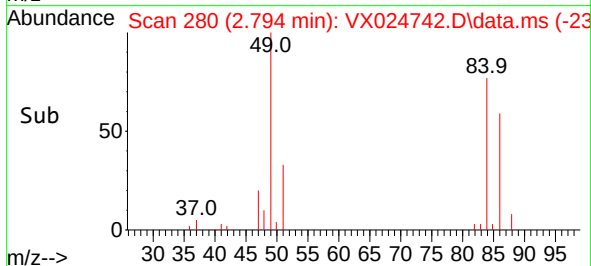
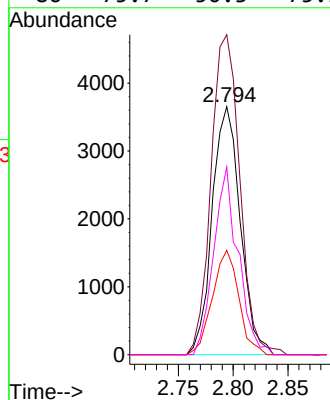
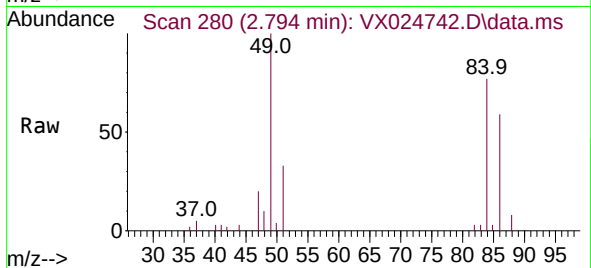
Ion Ratio Lower Upper

84 100

49 129.1 88.6 132.8

51 42.1 27.0 40.6#

86 75.7 50.3 75.5#



#25

2-Butanone

Concen: 1.967 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX024742.D

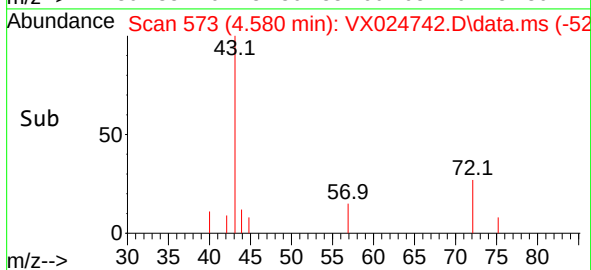
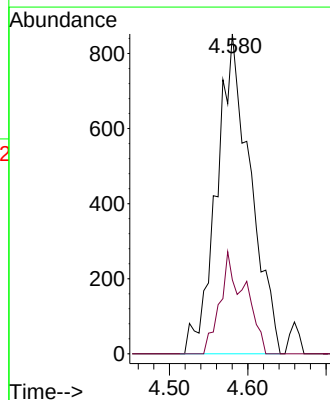
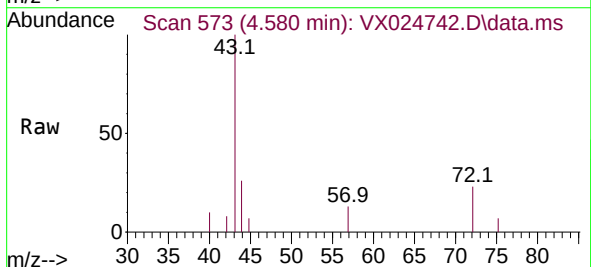
Acq: 12 Oct 2021 04:34

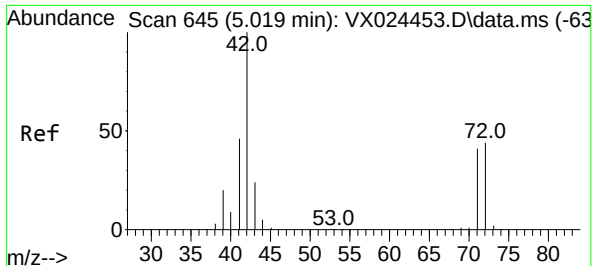
Tgt Ion: 43 Resp: 2550

Ion Ratio Lower Upper

43 100

72 23.1 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.522 ug/l

RT: 5.038 min Scan# 648

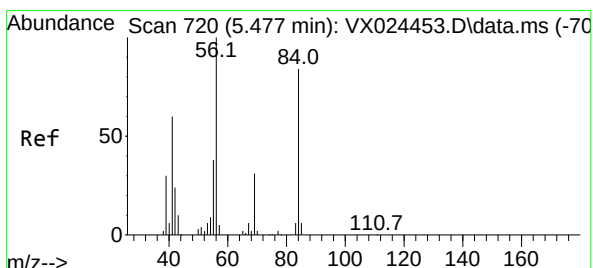
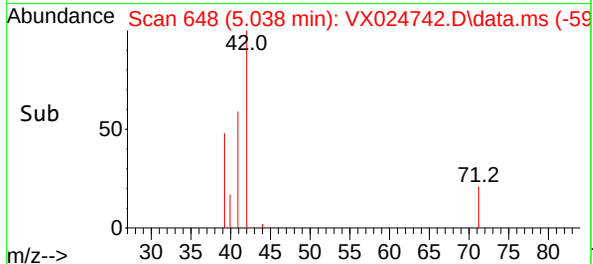
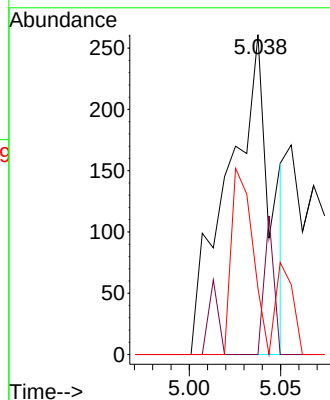
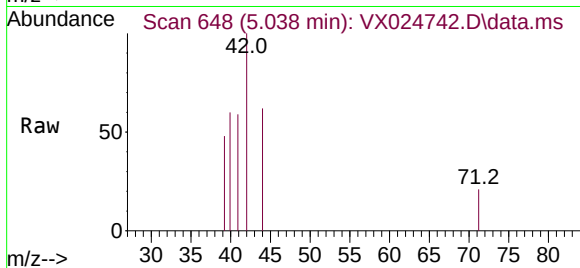
Delta R.T. 0.019 min

Lab File: VX024742.D

Acq: 12 Oct 2021 04:34

Tgt Ion:	42	Resp:	431
Ion	Ratio	Lower	Upper
42	100		
72	9.5	41.7	62.5#
71	11.1	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.351 ug/l

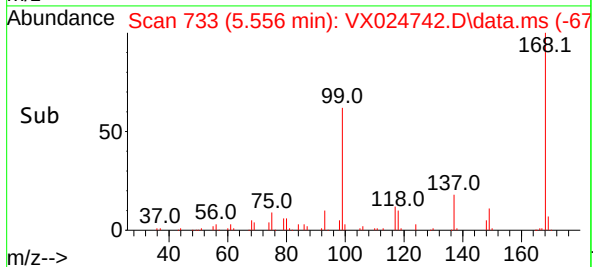
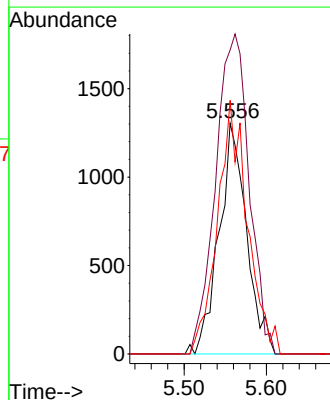
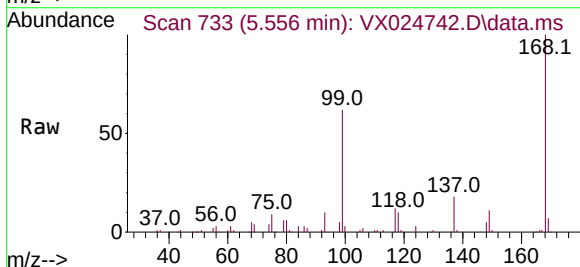
RT: 5.556 min Scan# 733

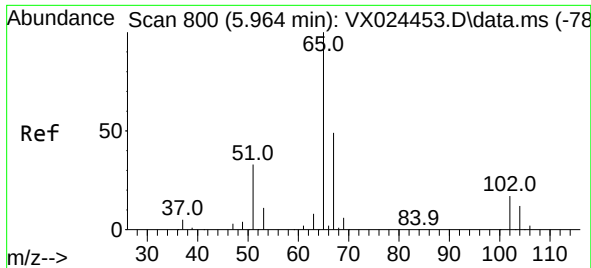
Delta R.T. 0.079 min

Lab File: VX024742.D

Acq: 12 Oct 2021 04:34

Tgt Ion:	56	Resp:	3044
Ion	Ratio	Lower	Upper
56	100		
69	131.8	25.3	37.9#
84	110.0	71.4	107.0#

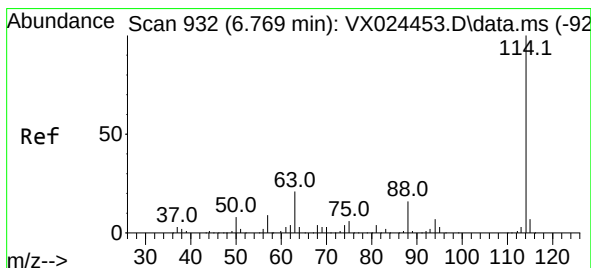
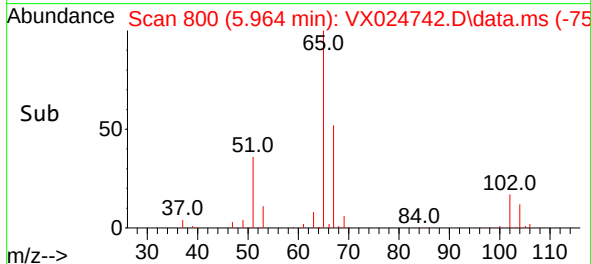
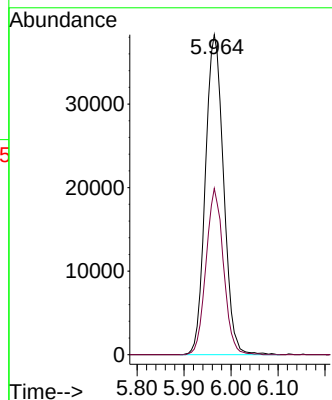
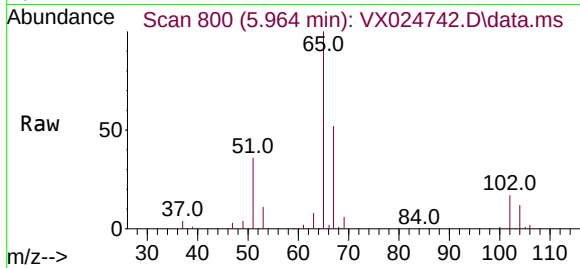




#33
 1,2-Dichloroethane-d4
 Concen: 54.572 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX024742.D
 Acq: 12 Oct 2021 04:34

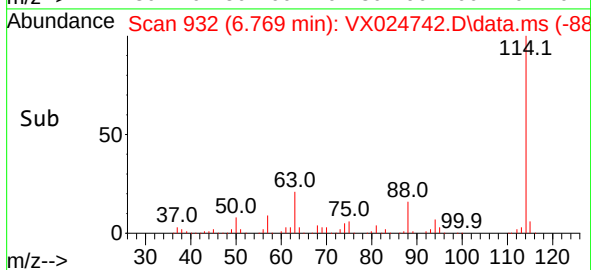
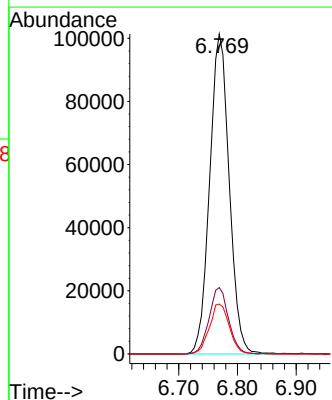
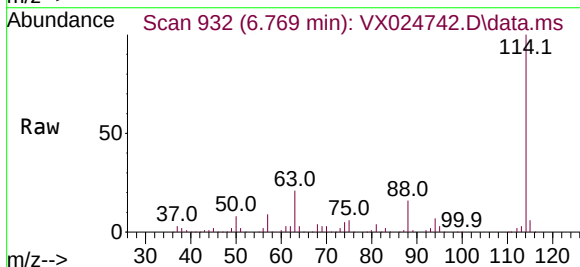
Instrument :
 MSVOA_X
 ClientSampleId :

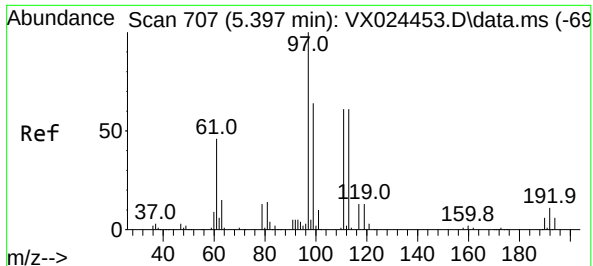
Tgt Ion: 65 Resp: 102702
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX024742.D
 Acq: 12 Oct 2021 04:34

Tgt Ion: 114 Resp: 234094
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.8
 88 15.6 0.0 32.8

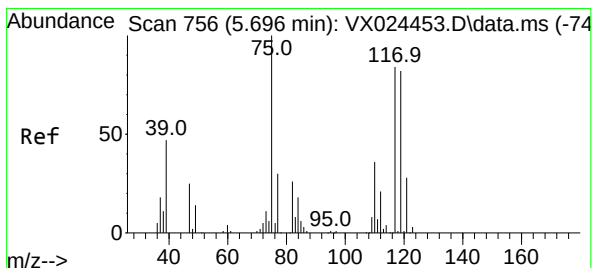
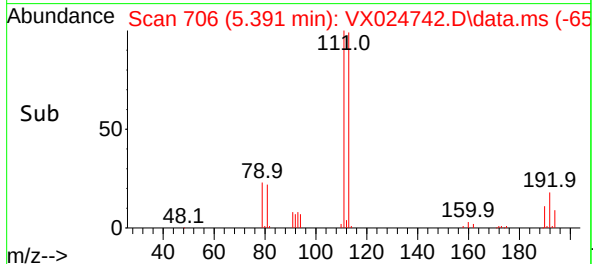
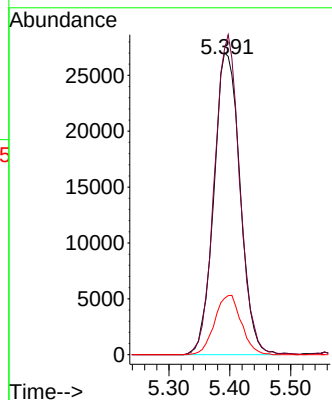
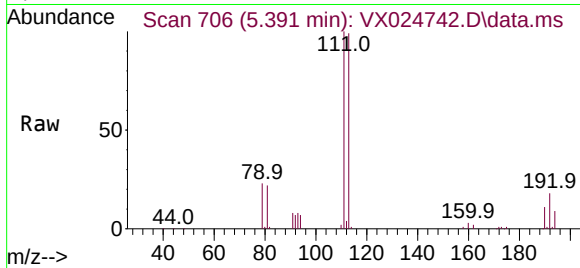




#35
Dibromofluoromethane
Concen: 51.851 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

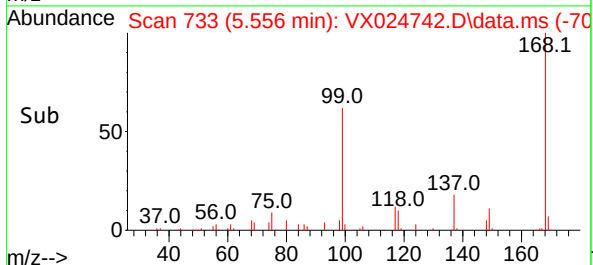
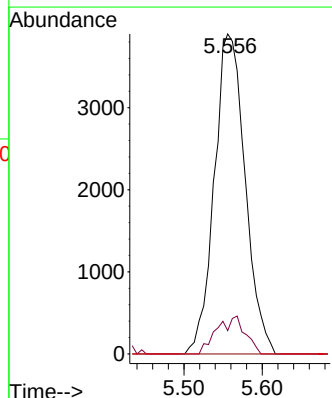
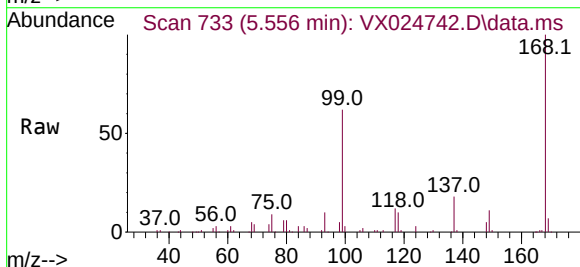
Instrument :
MSVOA_X
ClientSampleId :

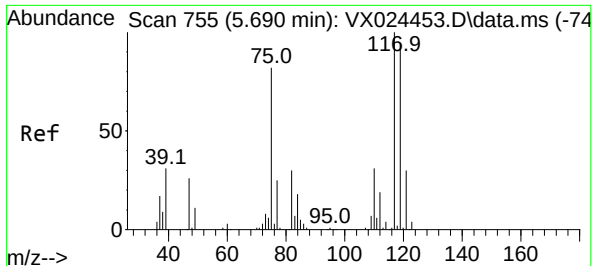
Tgt Ion:113 Resp: 80635
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 20.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.749 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

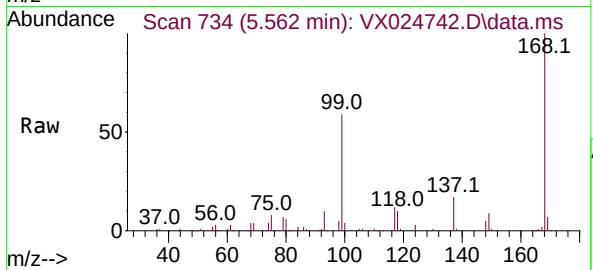
Tgt Ion: 75 Resp: 10658
Ion Ratio Lower Upper
75 100
110 10.8 18.1 54.4#
77 0.0 25.3 37.9#



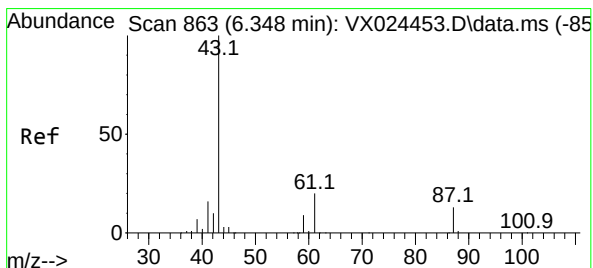
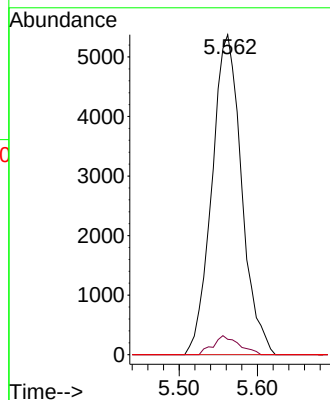
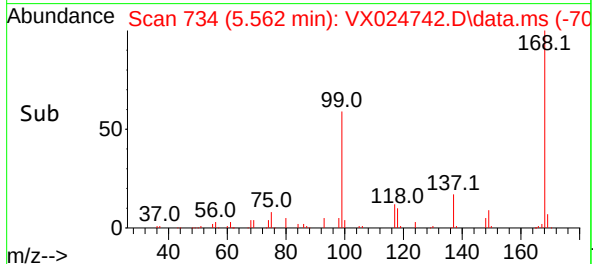


#38
Carbon Tetrachloride
Concen: 5.795 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

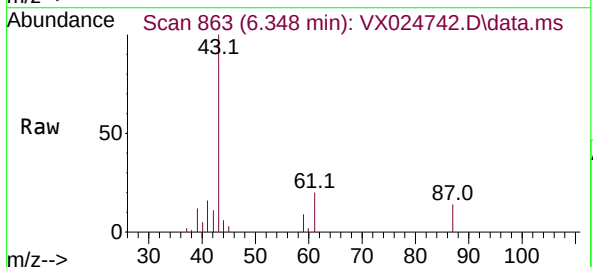
Instrument :
MSVOA_X
ClientSampled :



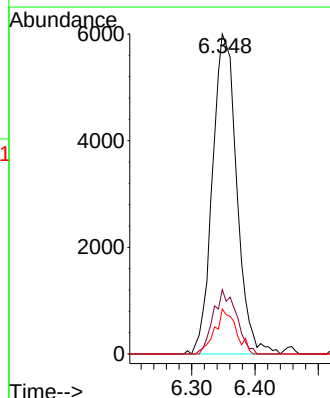
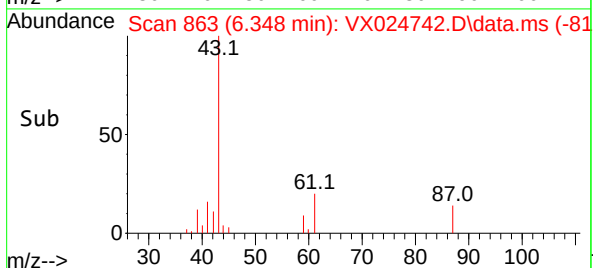
Tgt Ion:117 Resp: 14156
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#

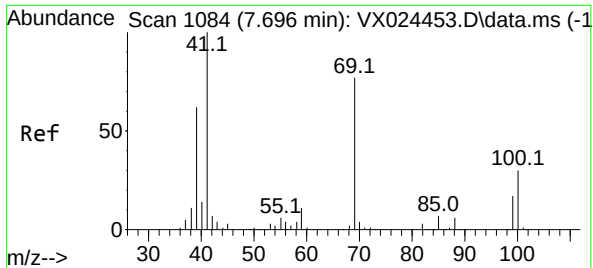


#43
Isopropyl Acetate
Concen: 3.756 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34



Tgt Ion: 43 Resp: 15997
Ion Ratio Lower Upper
43 100
61 19.1 18.2 27.4
87 12.1 12.5 18.7#

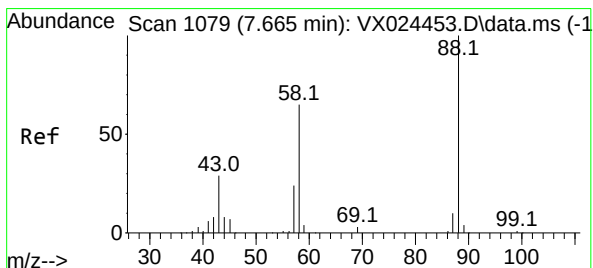
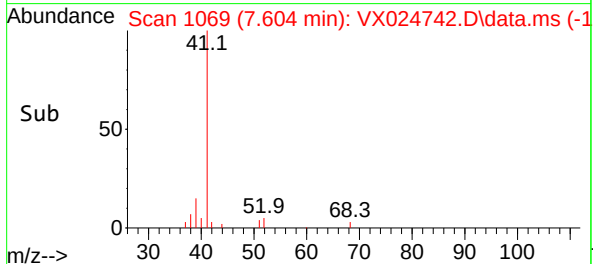
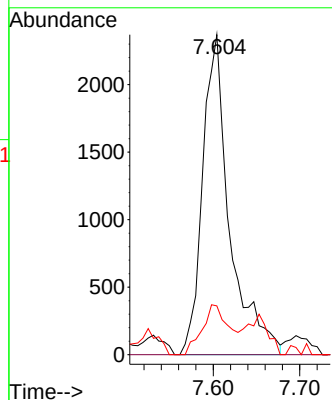
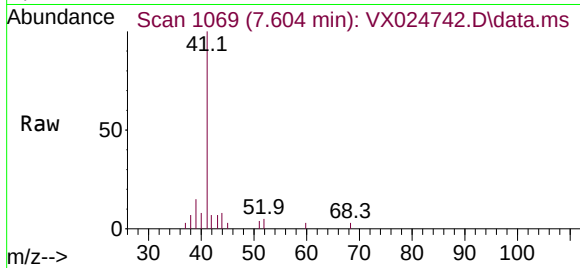




#48
Methyl methacrylate
Concen: 2.435 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

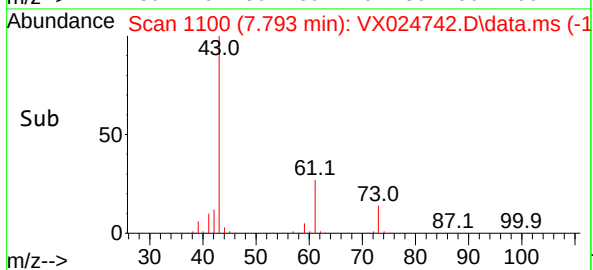
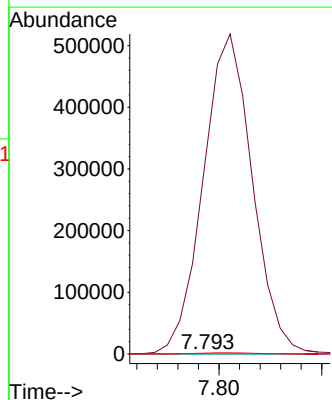
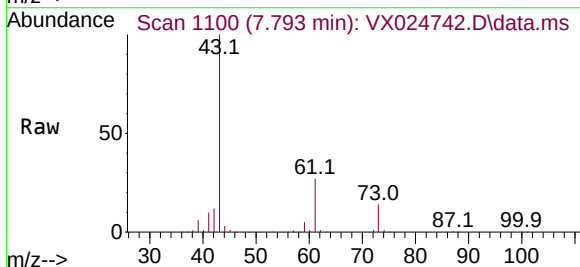
Instrument :
MSVOA_X
ClientSampled :

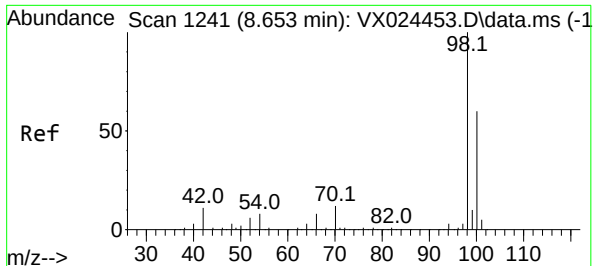
Tgt Ion: 41 Resp: 5135
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.939 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

Tgt Ion: 88 Resp: 142
Ion Ratio Lower Upper
88 100
43 610912.7 23.2 34.8#
58 2508.5 55.0 82.4#

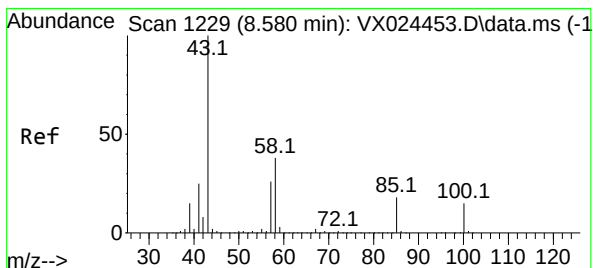
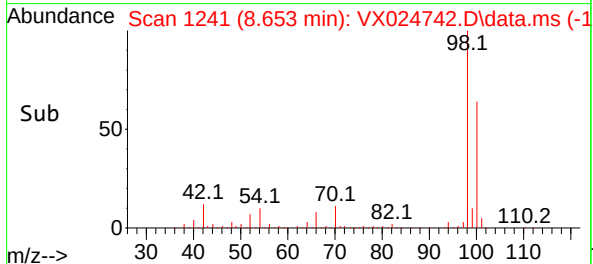
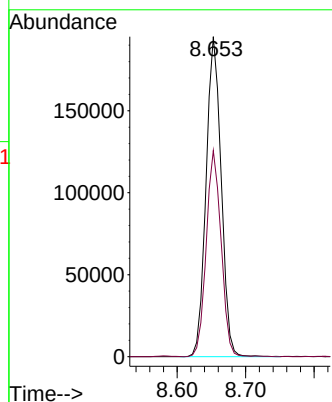
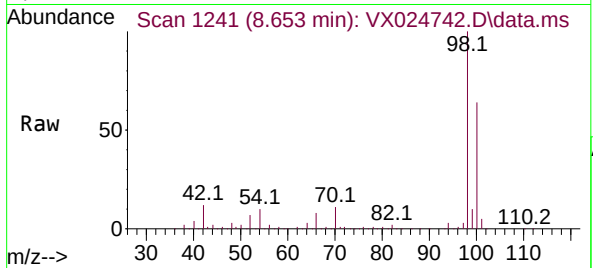




#50
Toluene-d8
Concen: 52.362 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

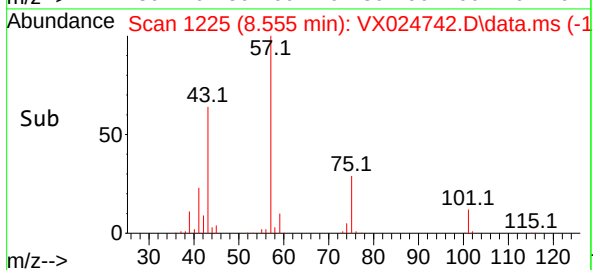
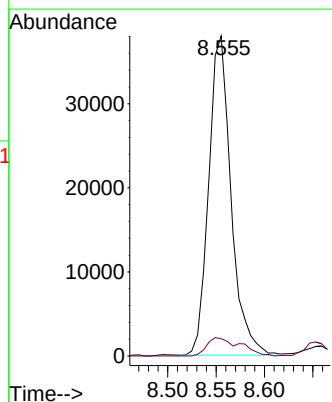
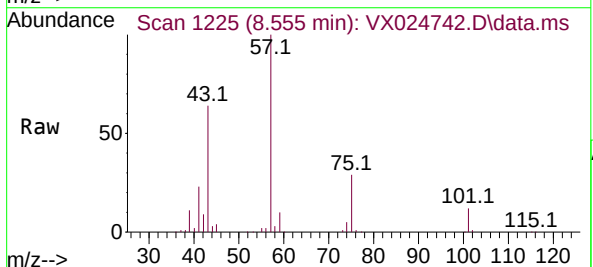
Instrument :
MSVOA_X
ClientSampled :

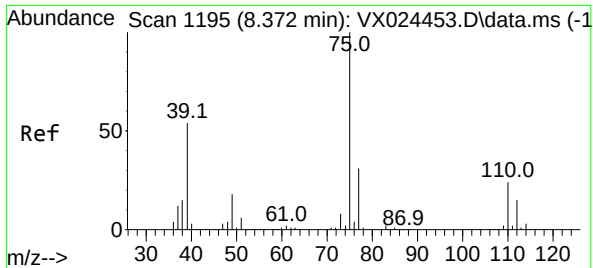
Tgt Ion: 98 Resp: 299708
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 21.720 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

Tgt Ion: 43 Resp: 61078
Ion Ratio Lower Upper
43 100
58 8.6 35.4 53.0#

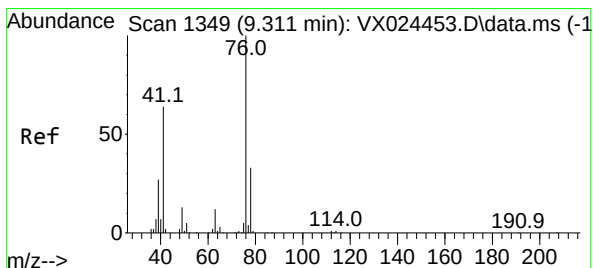
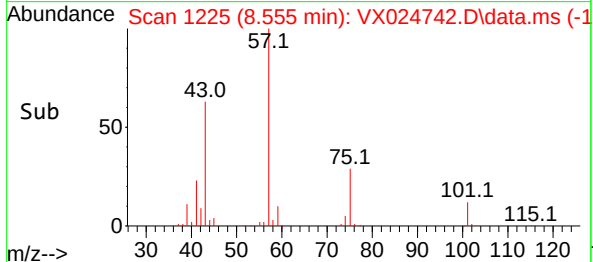
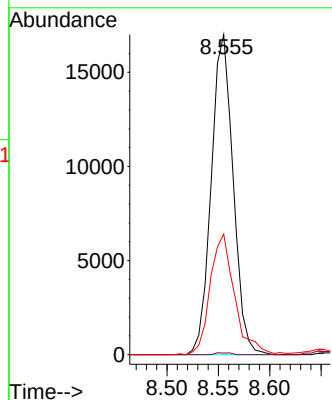
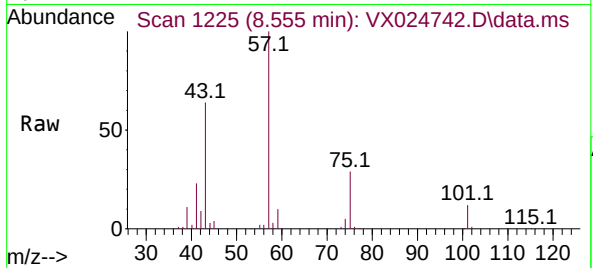




#54
 cis-1,3-Dichloropropene
 Concen: 9.610 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX024742.D
 Acq: 12 Oct 2021 04:34

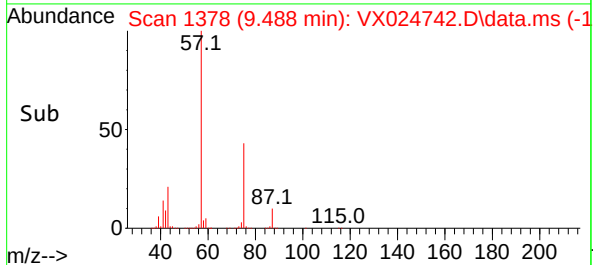
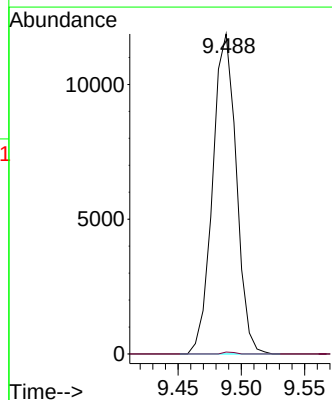
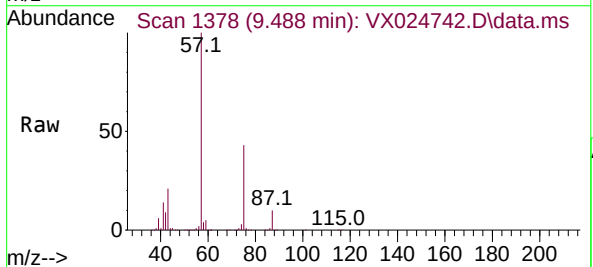
Instrument :
 MSVOA_X
 ClientSampled :

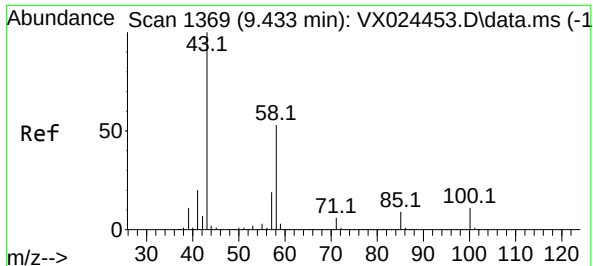
Tgt Ion: 75 Resp: 25200
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.7 38.5#
 39 37.4 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 5.348 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX024742.D
 Acq: 12 Oct 2021 04:34

Tgt Ion: 76 Resp: 15468
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.2 39.2#

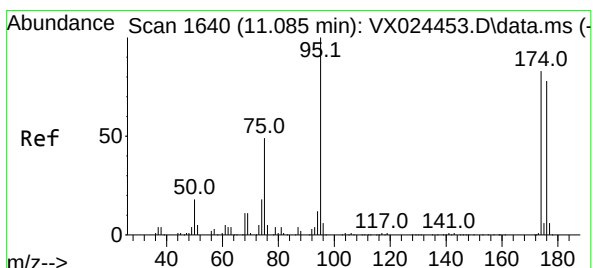
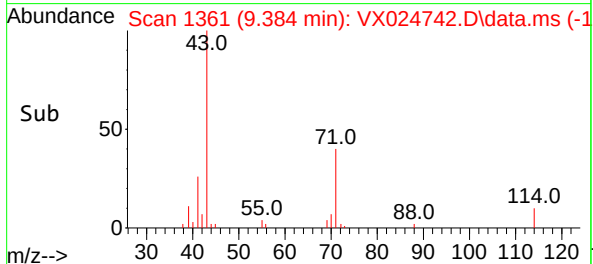
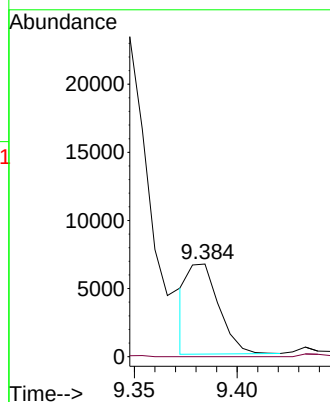
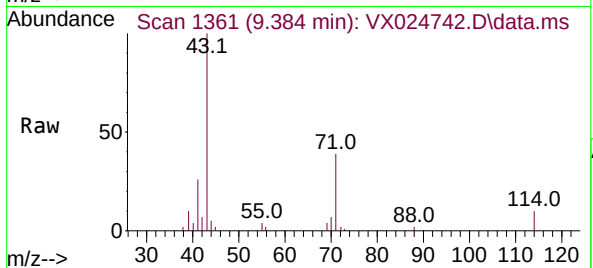




#59
2-Hexanone
Concen: 3.127 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

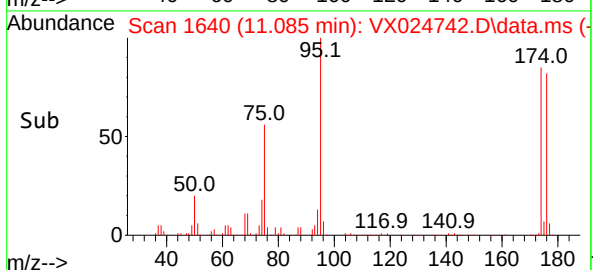
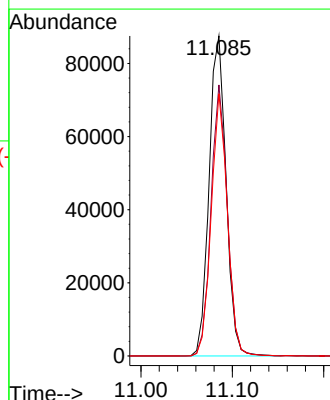
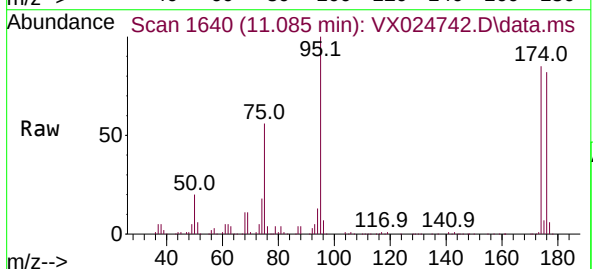
Instrument :
MSVOA_X
ClientSampled :

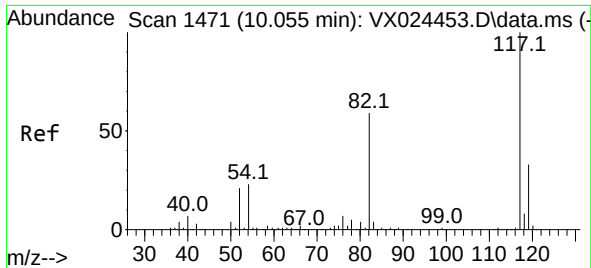
Tgt Ion: 43 Resp: 6924
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 50.025 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

Tgt Ion: 95 Resp: 112579
Ion Ratio Lower Upper
95 100
174 81.5 0.0 154.6
176 78.1 0.0 155.8

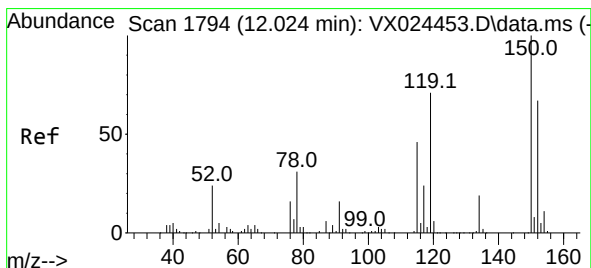
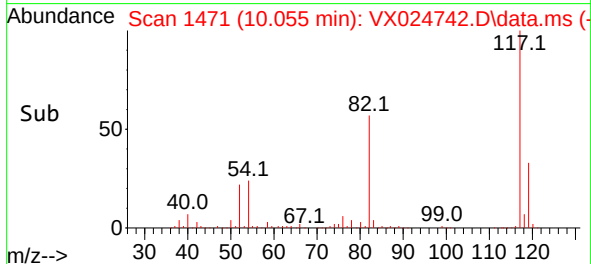
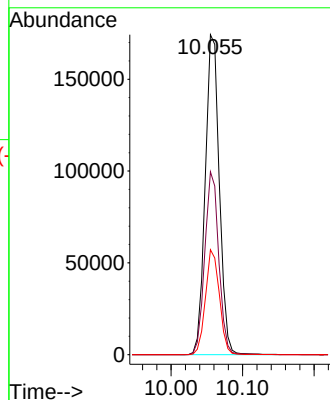
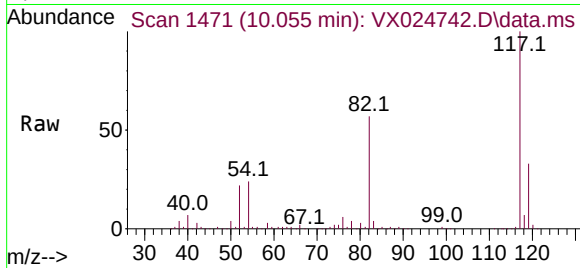




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

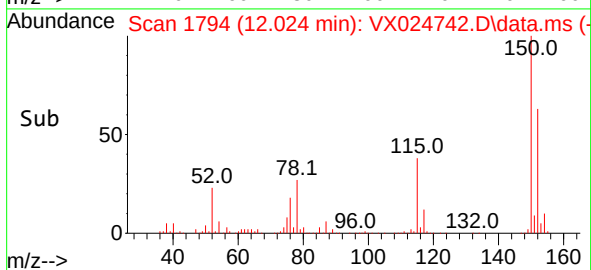
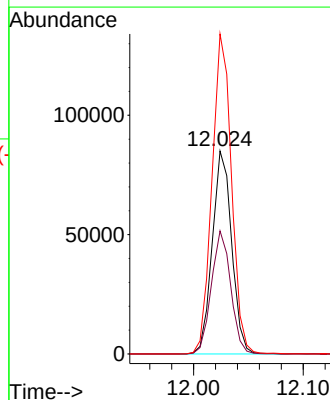
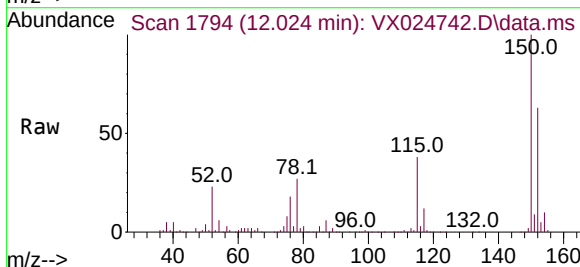
Instrument :
MSVOA_X
ClientSampleId :

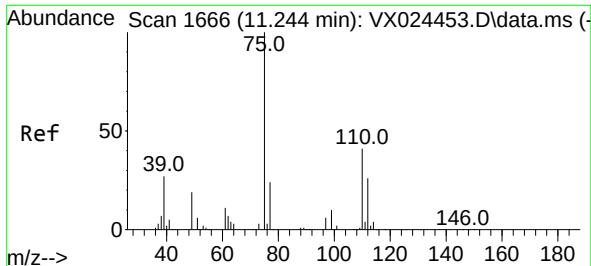
Tgt Ion:117 Resp: 239112
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.2
119 32.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

Tgt Ion:152 Resp: 104636
Ion Ratio Lower Upper
152 100
115 60.5 41.1 123.3
150 158.3 0.0 349.0

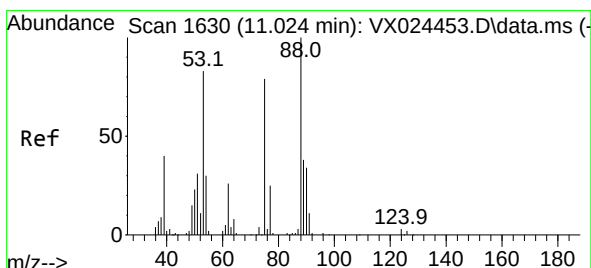
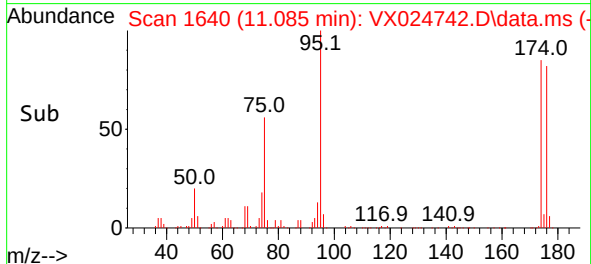
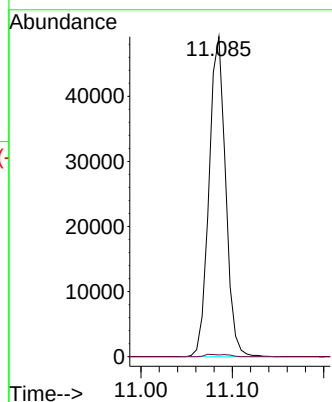
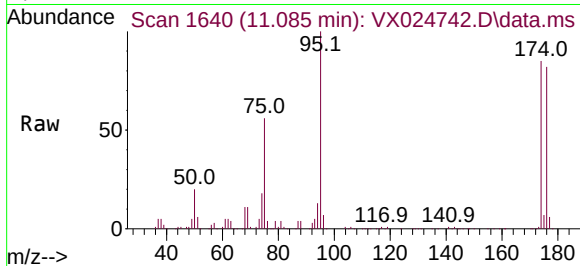




#76
1,2,3-Trichloropropane
Concen: 26.027 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 61847
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.896 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024742.D
Acq: 12 Oct 2021 04:34

Tgt Ion: 75 Resp: 61847
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

