

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024740.D
 Acq On : 12 Oct 2021 03:47
 Operator : JC/MD
 Sample : M4158-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 08:09:48 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)

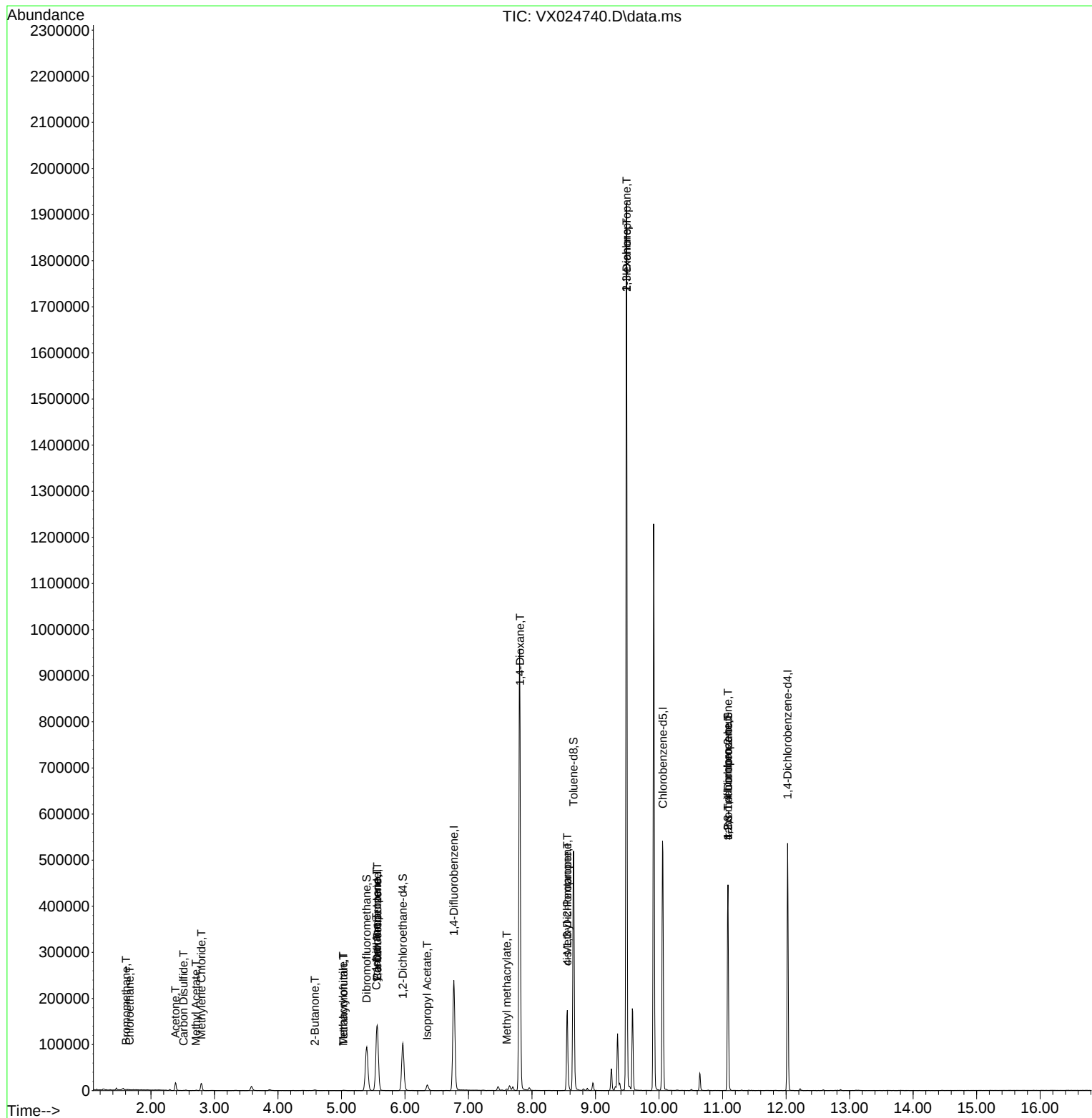
Internal Standards						
1) Pentafluorobenzene	5.562	168	133185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	235704	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	239746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103313	55.039	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.080%	
35) Dibromofluoromethane	5.397	113	81070	51.774	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.540%	
50) Toluene-d8	8.653	98	298447	51.786	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.580%	
62) 4-Bromofluorobenzene	11.085	95	114107	50.357	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.720%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	274	0.308	ug/l #	2
6) Chloroethane	1.666	64	17	0.278	ug/l #	43
11) Tert butyl alcohol	2.977	59	466	Below Cal	#	73
16) Acetone	2.386	43	17515	12.480	ug/l	93
17) Carbon Disulfide	2.514	76	282	0.317	ug/l #	75
18) Methyl Acetate	2.709	43	1046	0.372	ug/l	91
20) Methylene Chloride	2.794	84	6601	3.639	ug/l #	82
25) 2-Butanone	4.580	43	2626	2.031	ug/l #	84
29) Tetrahydrofuran	5.031	42	587	0.713	ug/l #	61
31) Cyclohexane	5.550	56	3091	1.375	ug/l #	27
36) 1,1-Dichloropropene	5.556	75	10454	4.626	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13864	5.637	ug/l #	16
41) Methacrylonitrile	5.025	41	358	0.246	ug/l #	35
43) Isopropyl Acetate	6.348	43	15941	3.717	ug/l #	92
48) Methyl methacrylate	7.604	41	5058	2.382	ug/l #	10
49) 1,4-Dioxane	7.811	88	150	3.084	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	61537	21.734	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	26106	9.888	ug/l #	68
57) 1,3-Dichloropropane	9.488	76	15043	5.166	ug/l #	42
59) 2-Hexanone	9.488	43	222969	99.995	ug/l #	42
76) 1,2,3-Trichloropropane	11.085	75	60704	25.290	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	60704	68.942	ug/l #	12

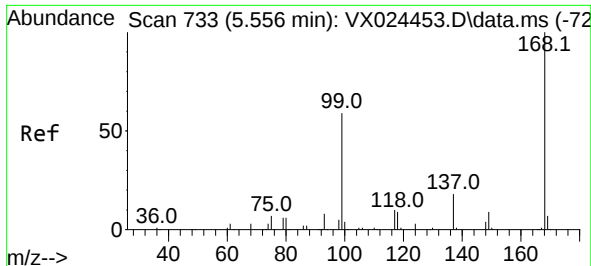
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
Data File : VX024740.D
Acq On : 12 Oct 2021 03:47
Operator : JC/MD
Sample : M4158-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 12 08:09:48 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

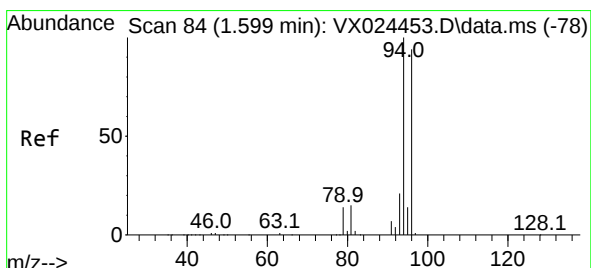
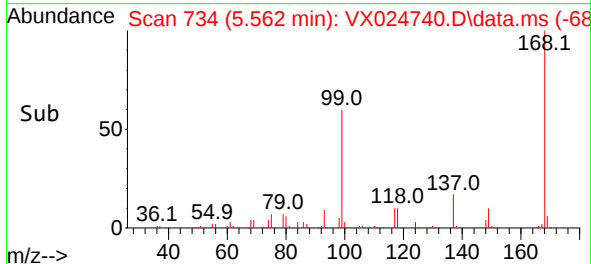
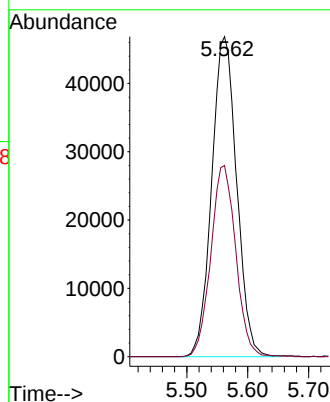
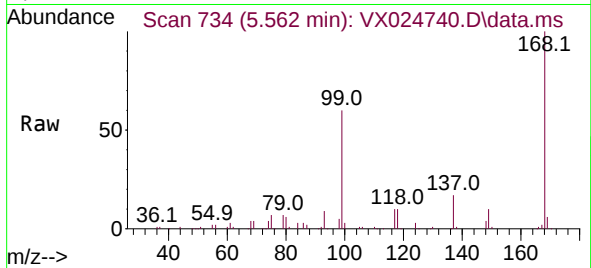




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

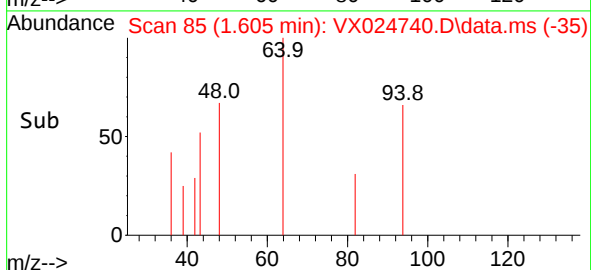
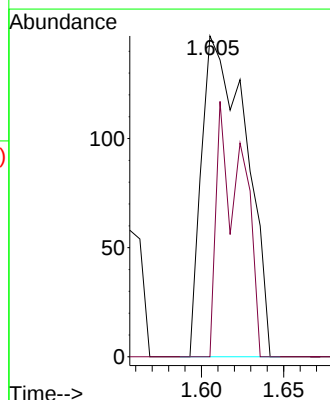
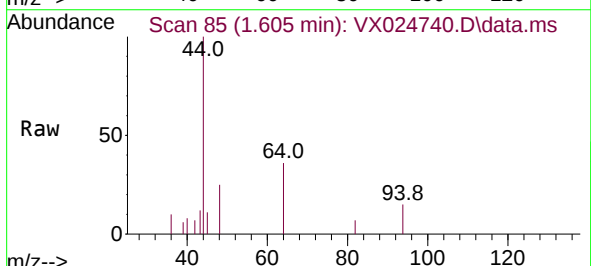
Instrument :
MSVOA_X
ClientSampleId :

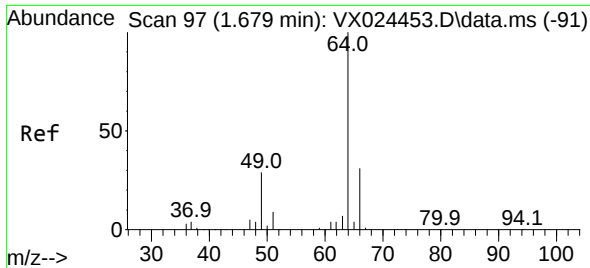
Tgt Ion:168 Resp: 133185
Ion Ratio Lower Upper
168 100
99 59.8 45.8 68.6



#5
Bromomethane
Concen: 0.308 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

Tgt Ion: 94 Resp: 274
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#

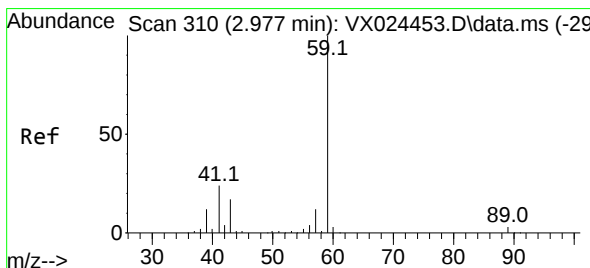
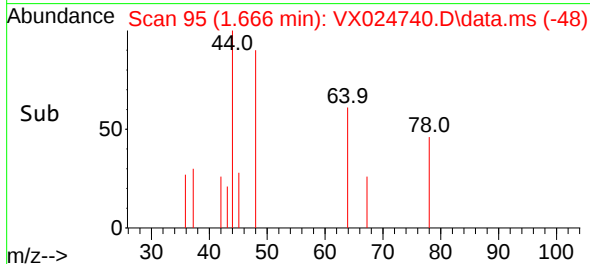
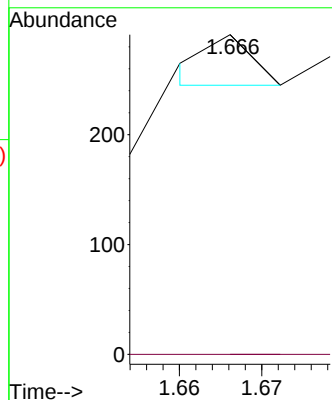
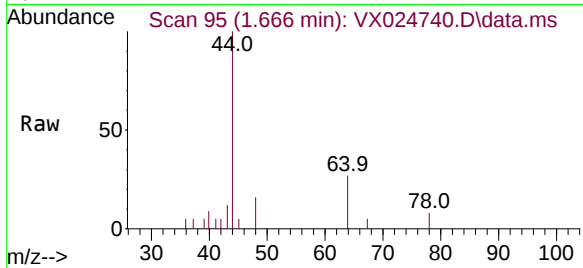




#6
Chloroethane
Concen: 0.278 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

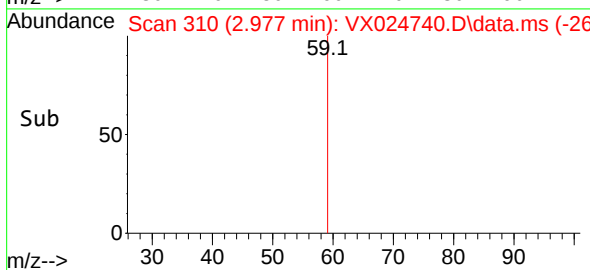
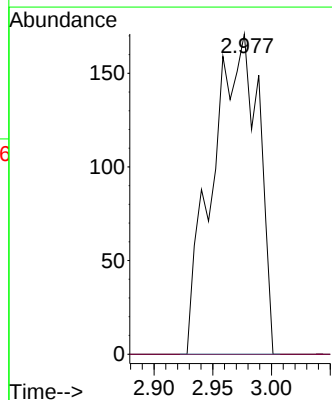
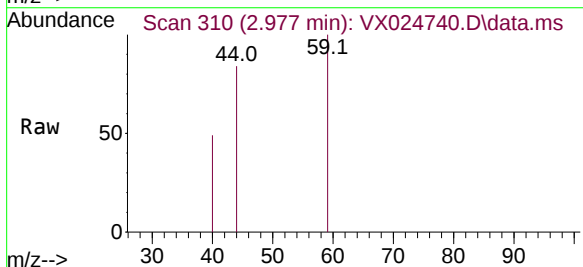
Instrument :
MSVOA_X
ClientSampleId :

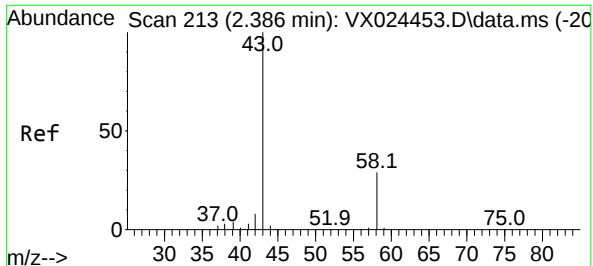
Tgt Ion: 64 Resp: 17
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

Tgt Ion: 59 Resp: 466
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

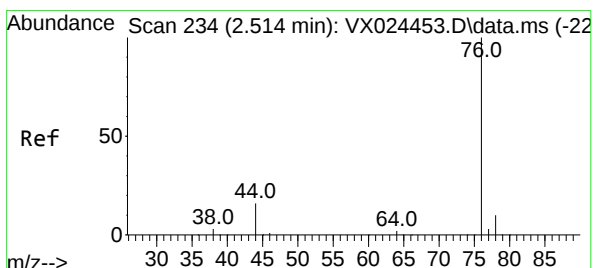
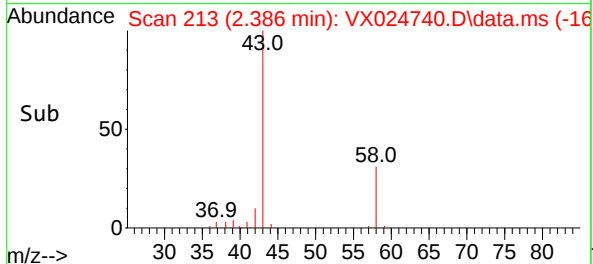
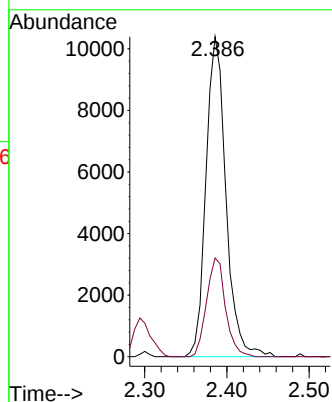
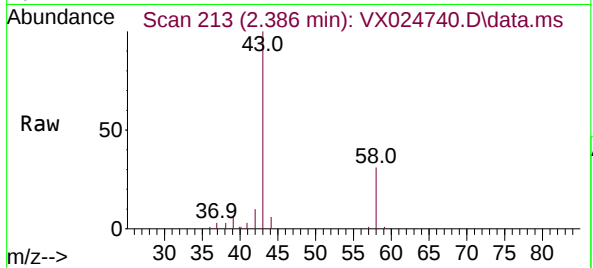




#16
Acetone
Concen: 12.480 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

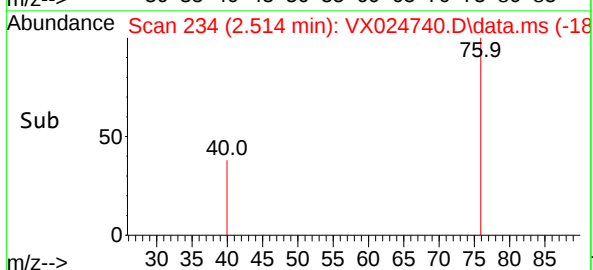
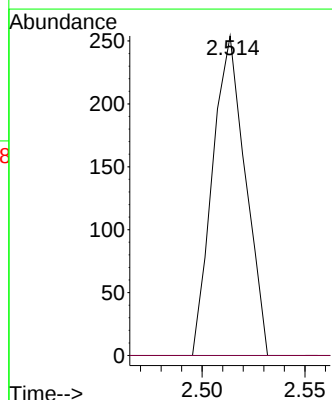
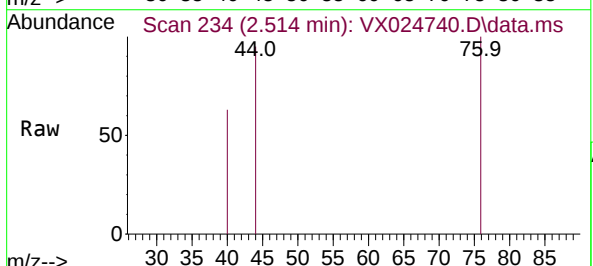
Instrument :
MSVOA_X
ClientSampleId :

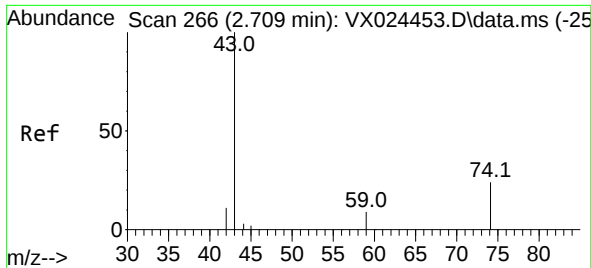
Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.8	27.8	41.8



#17
Carbon Disulfide
Concen: 0.317 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.2	10.8

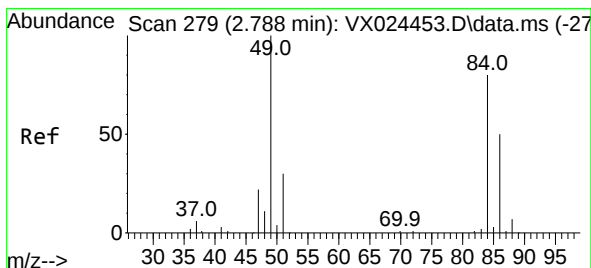
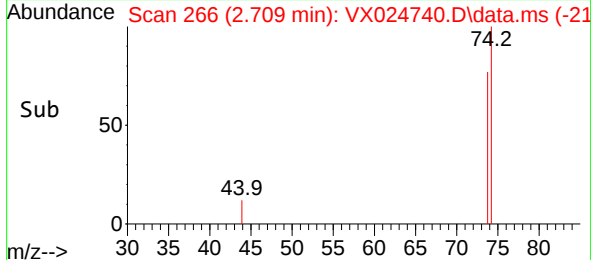
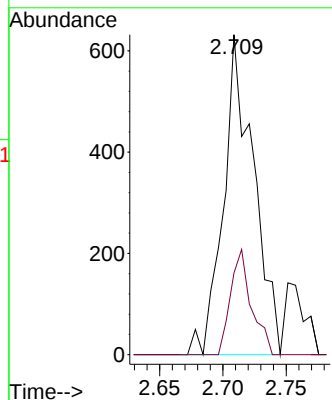
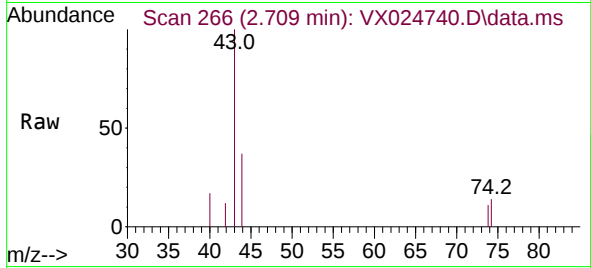




#18
Methyl Acetate
Concen: 0.372 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

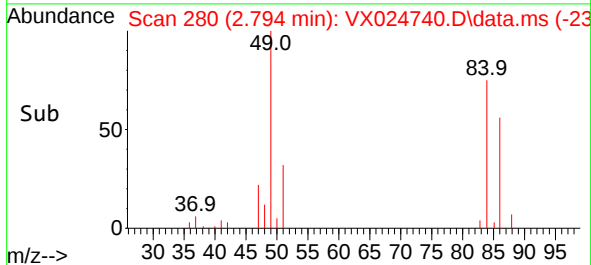
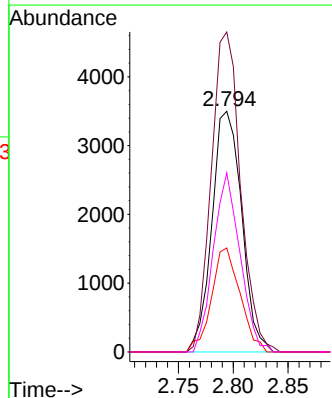
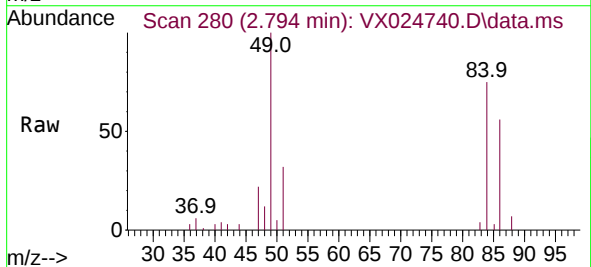
Instrument :
MSVOA_X
ClientSampled :

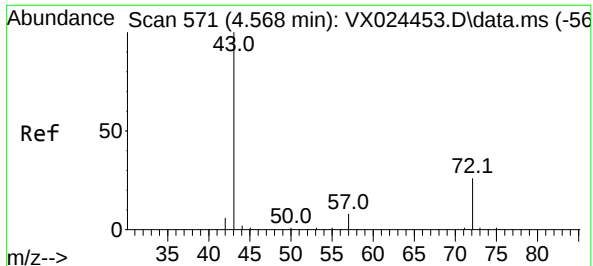
Tgt Ion: 43 Resp: 1046
Ion Ratio Lower Upper
43 100
74 22.8 21.9 32.9



#20
Methylene Chloride
Concen: 3.639 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

Tgt Ion: 84 Resp: 6601
Ion Ratio Lower Upper
84 100
49 132.9 88.6 132.8#
51 43.2 27.0 40.6#
86 74.4 50.3 75.5





#25

2-Butanone

Concen: 2.031 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX024740.D

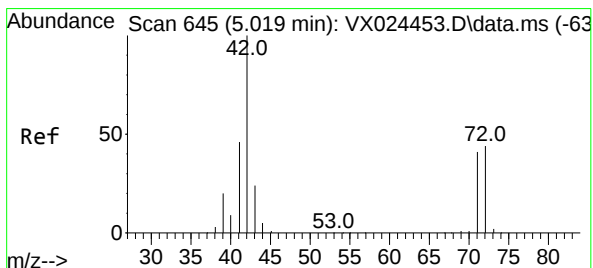
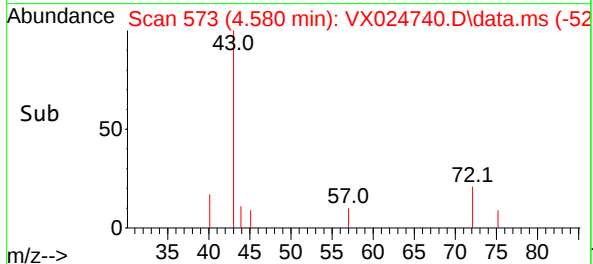
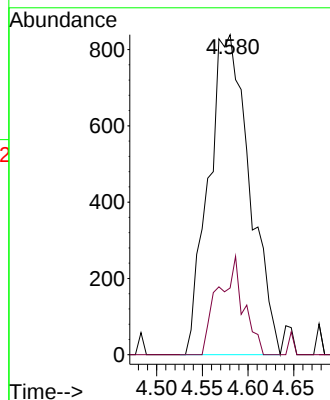
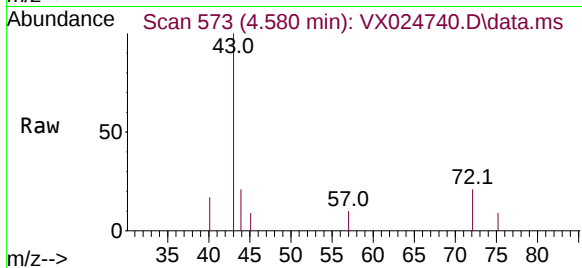
Acq: 12 Oct 2021 03:47

Tgt Ion: 43 Resp: 2626

Ion Ratio Lower Upper

43 100

72 20.9 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.713 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.012 min

Lab File: VX024740.D

Acq: 12 Oct 2021 03:47

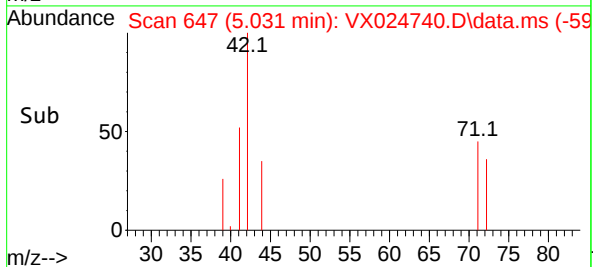
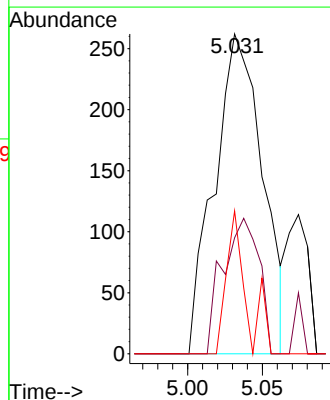
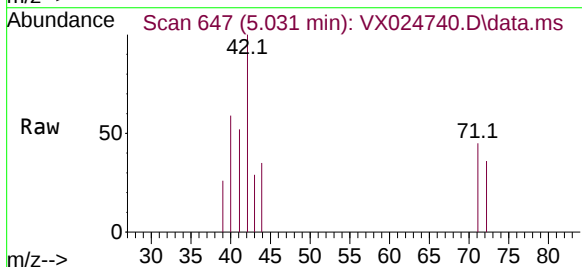
Tgt Ion: 42 Resp: 587

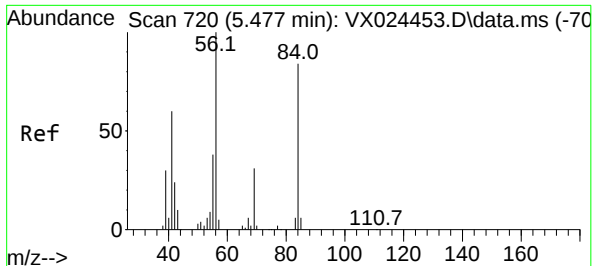
Ion Ratio Lower Upper

42 100

72 32.0 41.7 62.5#

71 14.5 38.4 57.6#

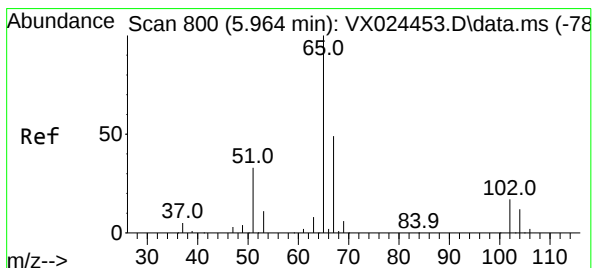
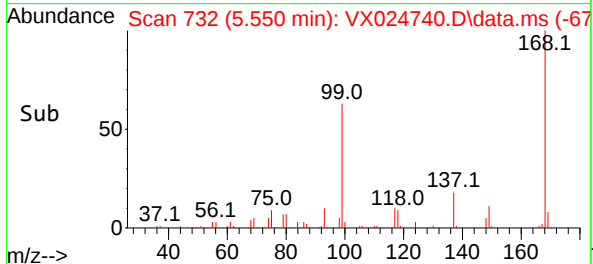
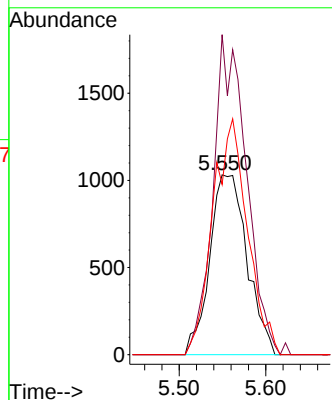
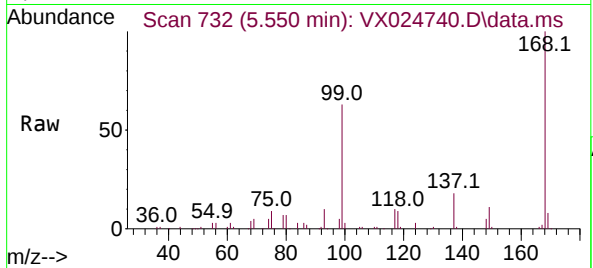




#31
Cyclohexane
Concen: 1.375 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

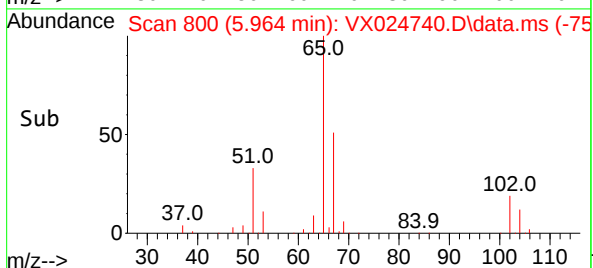
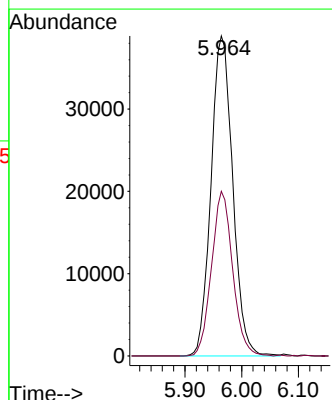
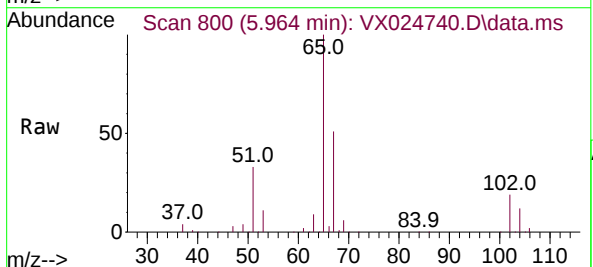
Instrument :
MSVOA_X
ClientSampleId :

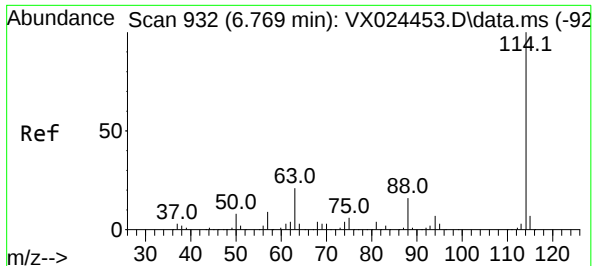
Tgt Ion: 56 Resp: 3091
Ion Ratio Lower Upper
56 100
69 177.9 25.3 37.9#
84 94.7 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 55.039 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

Tgt Ion: 65 Resp: 103313
Ion Ratio Lower Upper
65 100
67 50.0 0.0 105.4

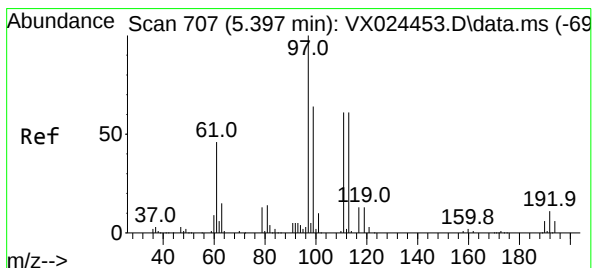
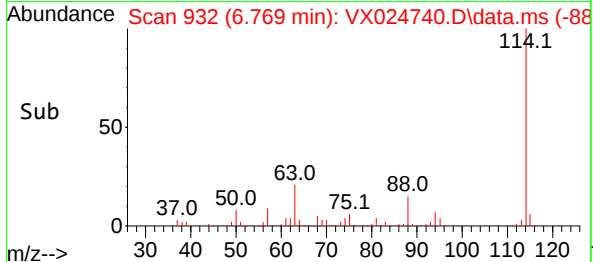
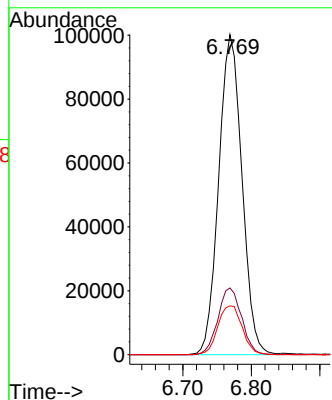
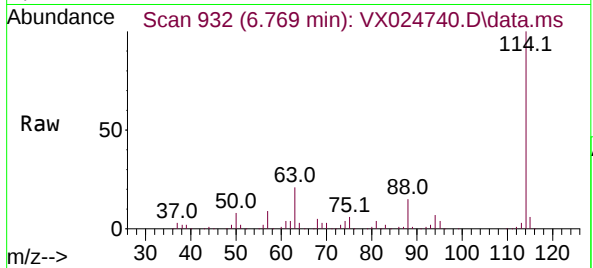




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

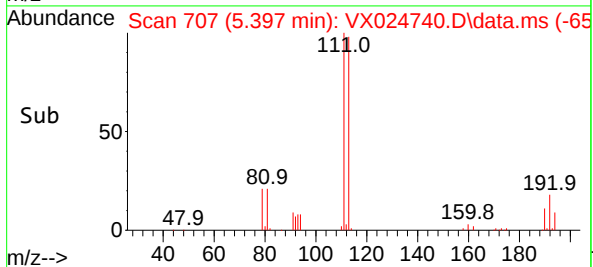
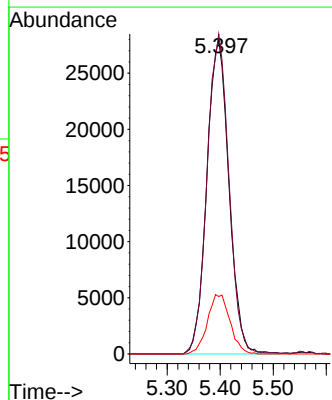
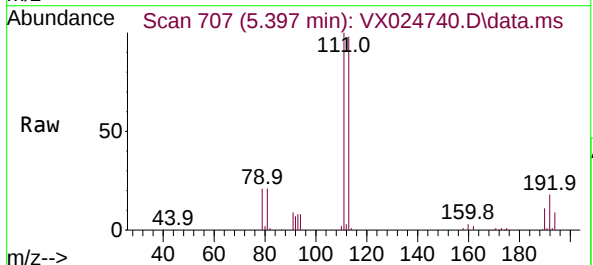
Instrument :
MSVOA_X
ClientSampleId :

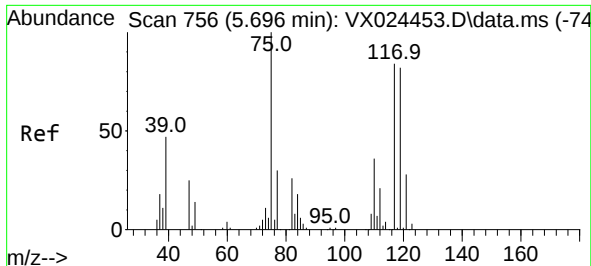
Tgt Ion:114 Resp: 235704
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 15.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.774 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

Tgt Ion:113 Resp: 81070
Ion Ratio Lower Upper
113 100
111 100.8 81.9 122.9
192 19.3 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.626 ug/l

RT: 5.556 min Scan# 733

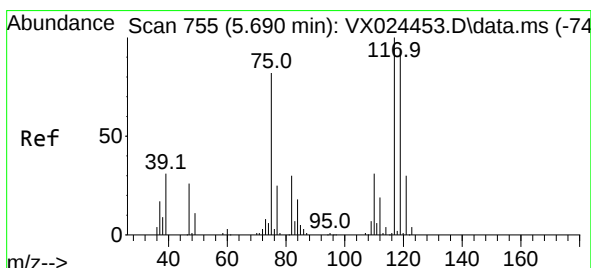
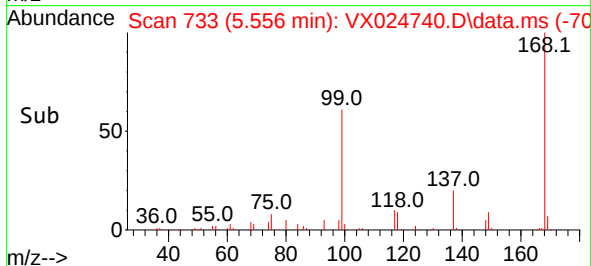
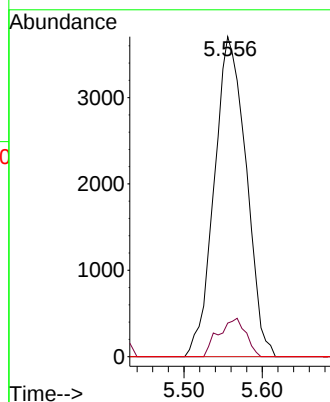
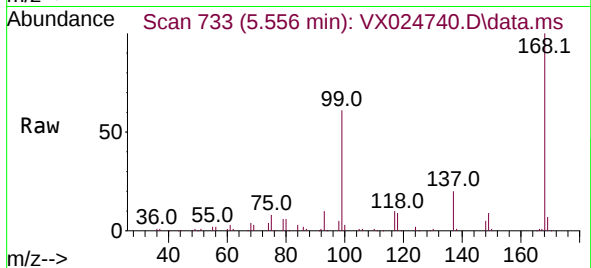
Delta R.T. -0.140 min

Lab File: VX024740.D

Acq: 12 Oct 2021 03:47

Tgt Ion:	75	Resp:	10454
Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.637 ug/l

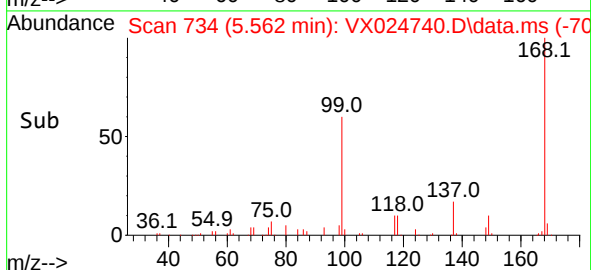
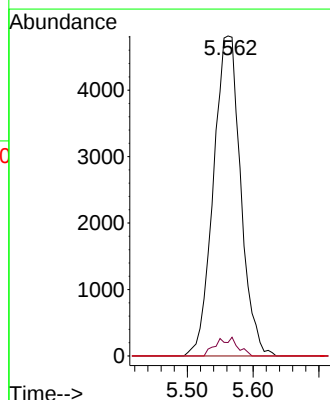
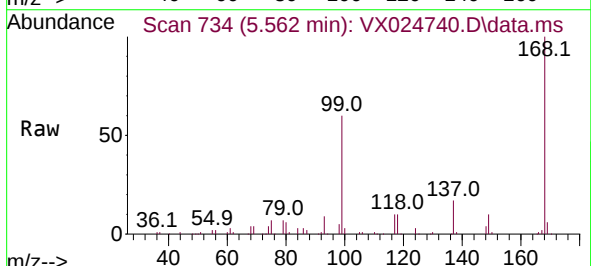
RT: 5.562 min Scan# 734

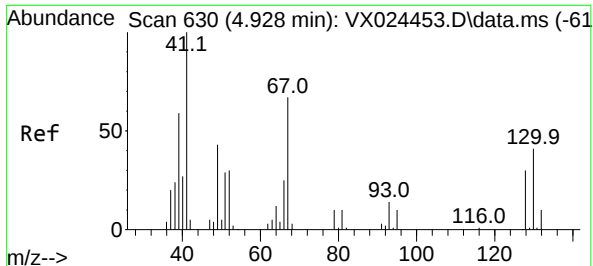
Delta R.T. -0.128 min

Lab File: VX024740.D

Acq: 12 Oct 2021 03:47

Tgt Ion:	117	Resp:	13864
Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.2	114.2#
121	0.0	24.8	37.2#

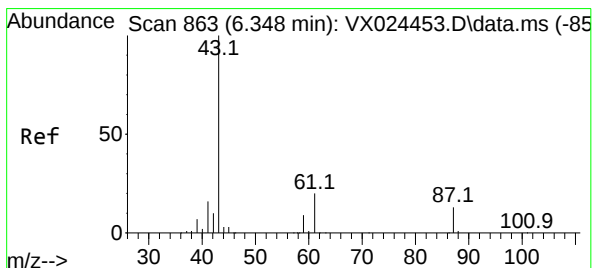
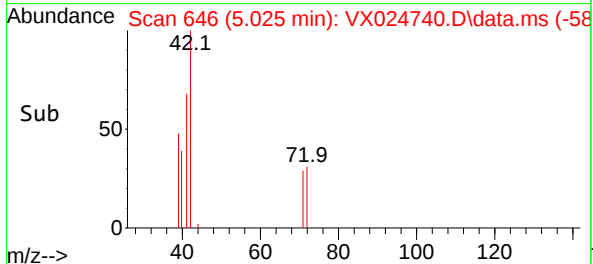
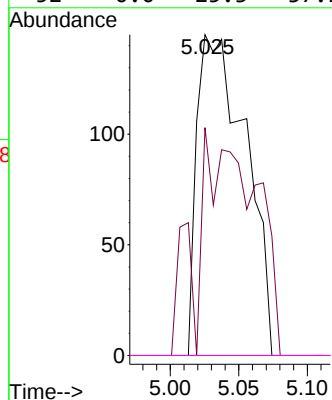
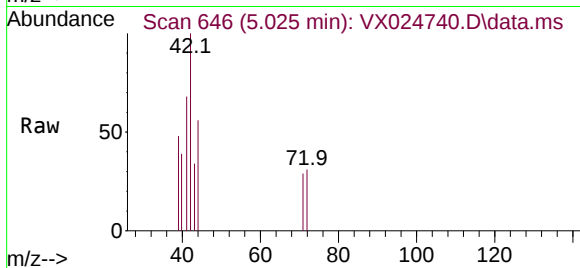




#41
Methacrylonitrile
Concen: 0.246 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.097 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

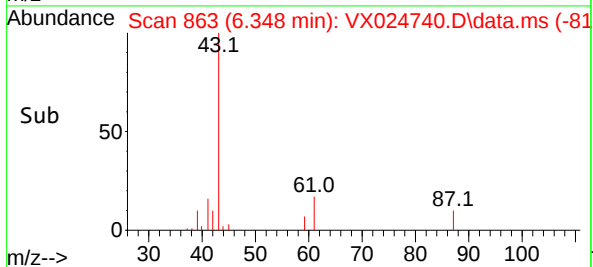
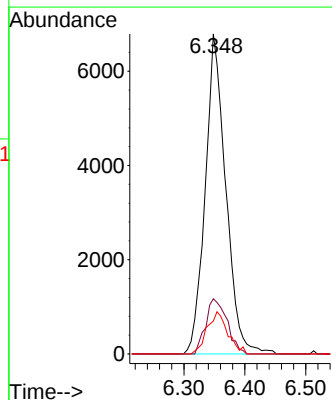
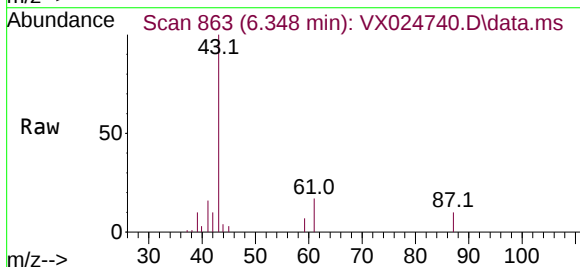
Instrument :
MSVOA_X
ClientSampled :

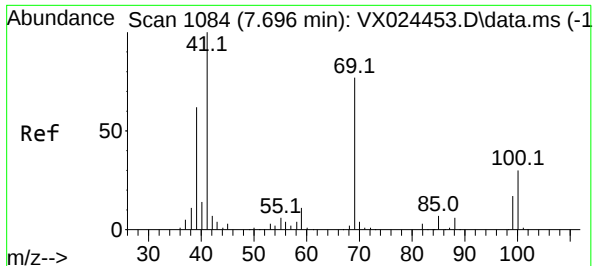
Tgt Ion:	41	Resp:	358
Ion	Ratio	Lower	Upper
41	100		
39	73.5	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 3.717 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

Tgt Ion:	43	Resp:	15941
Ion	Ratio	Lower	Upper
43	100		
61	17.8	18.2	27.4#
87	13.2	12.5	18.7





#48

Methyl methacrylate

Concen: 2.382 ug/l

RT: 7.604 min Scan# 1069

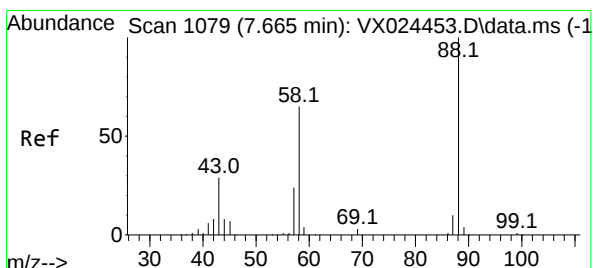
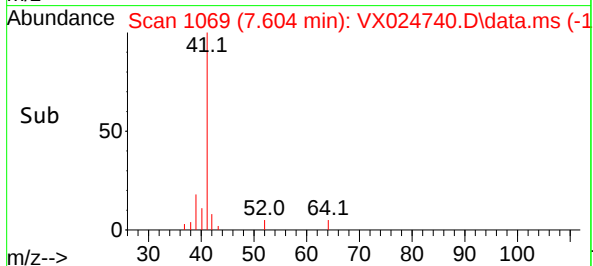
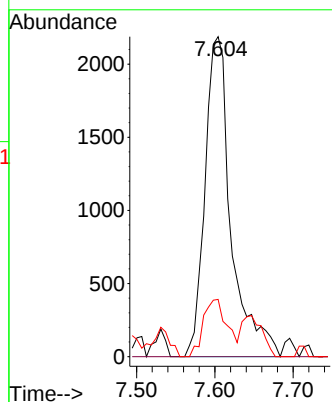
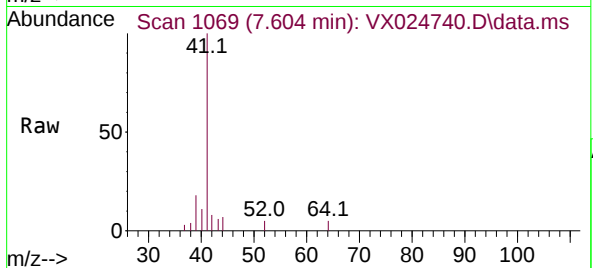
Delta R.T. -0.092 min

Lab File: VX024740.D

Acq: 12 Oct 2021 03:47

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#

Instrument :
MSVOA_X
ClientSampled :



#49

1,4-Dioxane

Concen: 3.084 ug/l

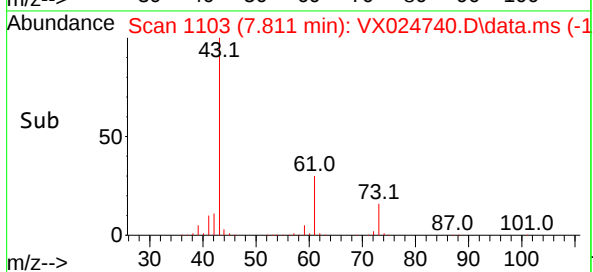
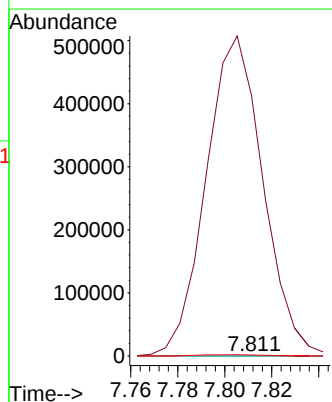
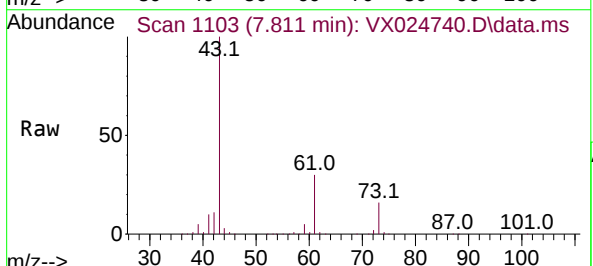
RT: 7.811 min Scan# 1103

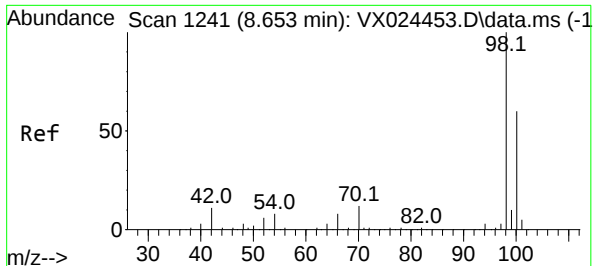
Delta R.T. 0.146 min

Lab File: VX024740.D

Acq: 12 Oct 2021 03:47

Tgt Ion:	88	Resp:	150
Ion	Ratio	Lower	Upper
88	100		
43	574570.7	23.2	34.8#
58	2566.0	55.0	82.4#





#50

Toluene-d8

Concen: 51.786 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024740.D

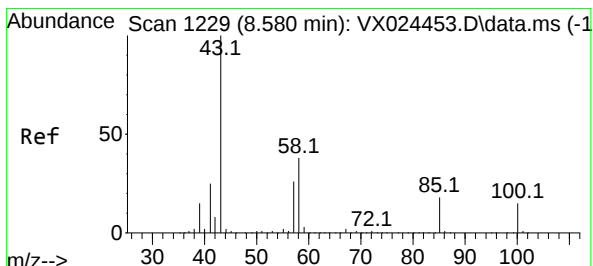
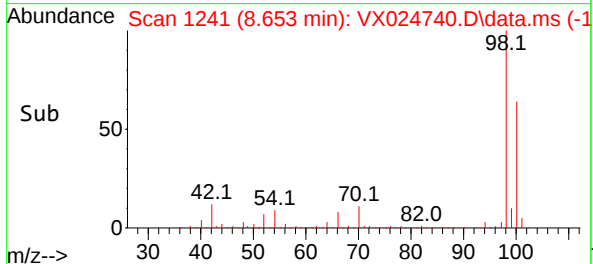
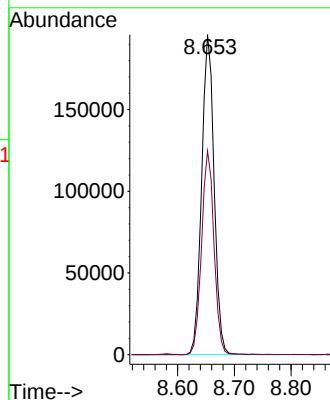
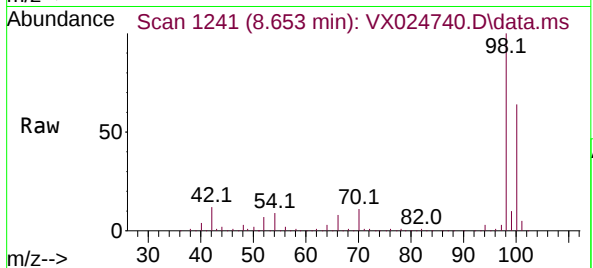
Acq: 12 Oct 2021 03:47

Tgt Ion: 98 Resp: 298447

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 21.734 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.025 min

Lab File: VX024740.D

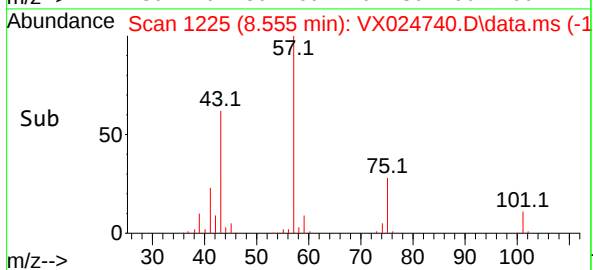
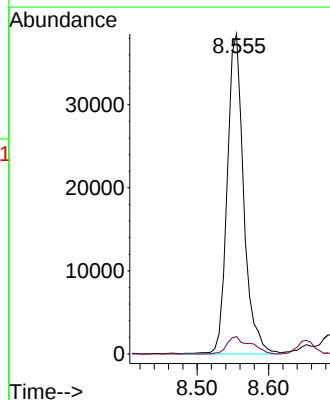
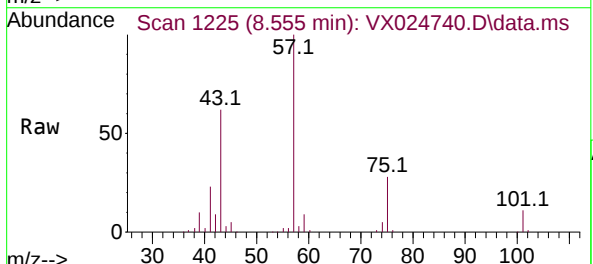
Acq: 12 Oct 2021 03:47

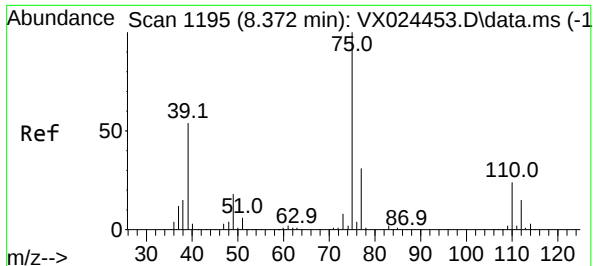
Tgt Ion: 43 Resp: 61537

Ion Ratio Lower Upper

43 100

58 7.7 35.4 53.0#

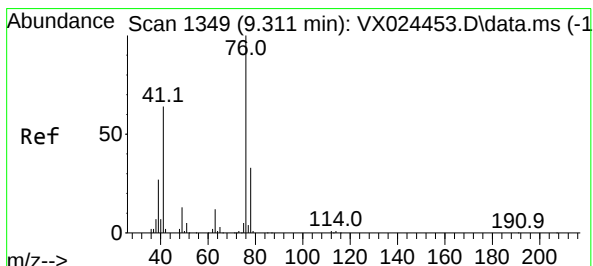
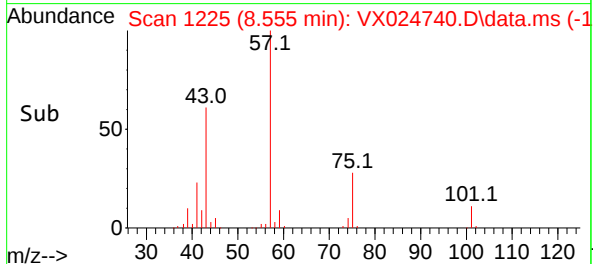
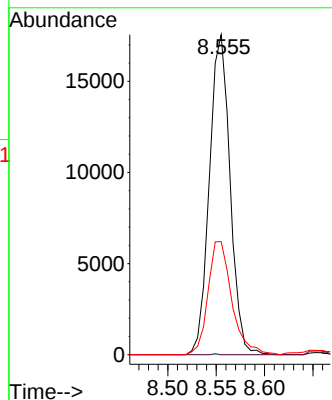
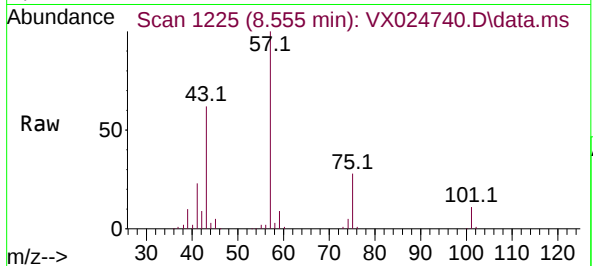




#54
 cis-1,3-Dichloropropene
 Concen: 9.888 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX024740.D
 Acq: 12 Oct 2021 03:47

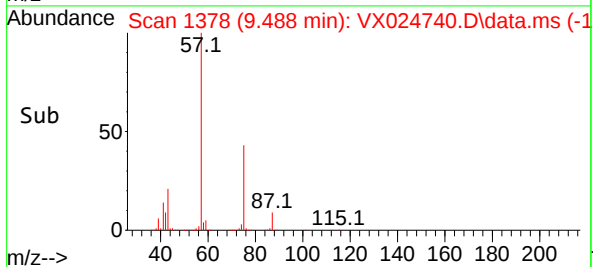
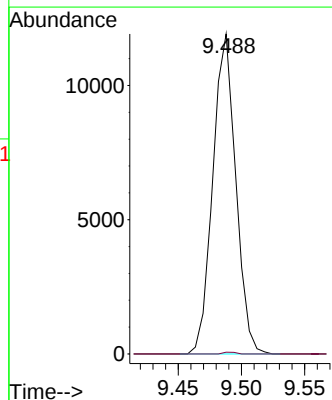
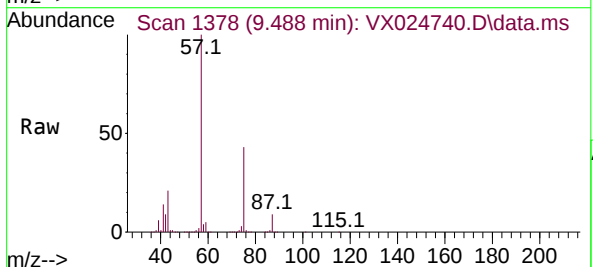
Instrument :
 MSVOA_X
 ClientSampled :

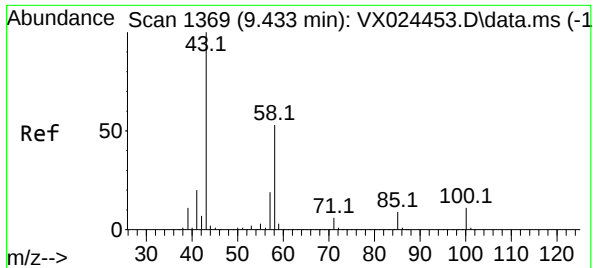
Tgt Ion: 75 Resp: 26106
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#
 39 35.4 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 5.166 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX024740.D
 Acq: 12 Oct 2021 03:47

Tgt Ion: 76 Resp: 15043
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.2 39.2#

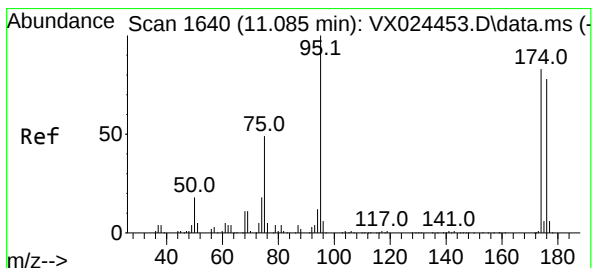
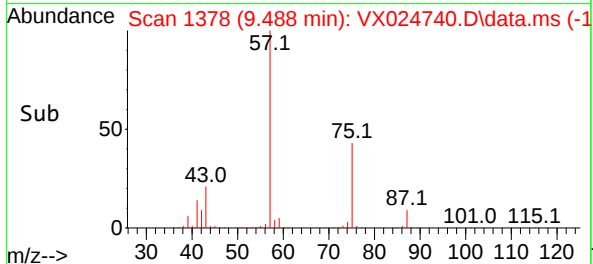
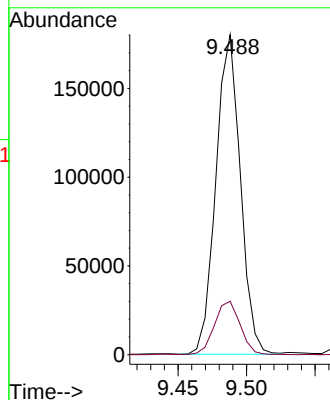
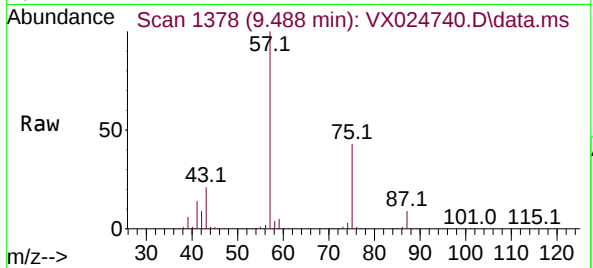




#59
2-Hexanone
Concen: 99.995 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

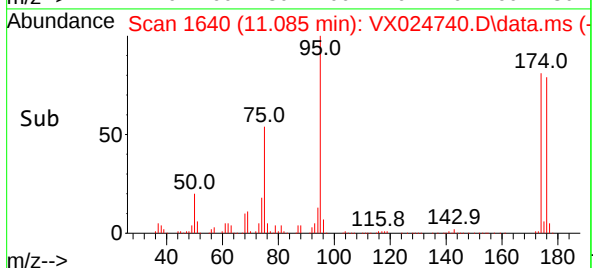
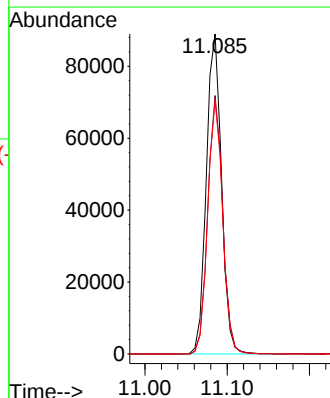
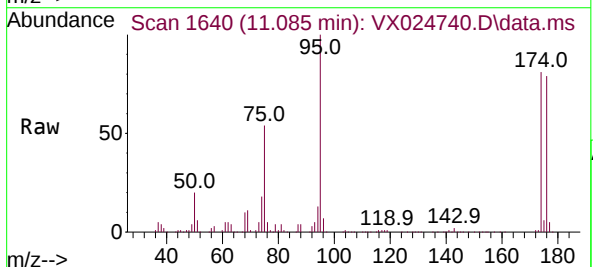
Instrument :
MSVOA_X
ClientSampled :

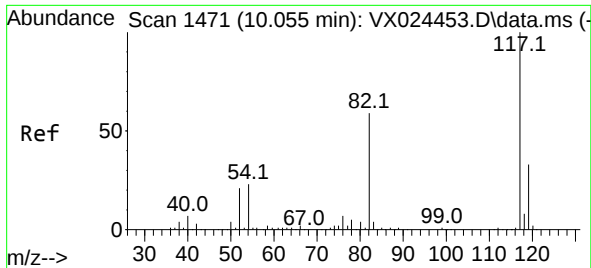
Tgt Ion: 43 Resp: 222969
Ion Ratio Lower Upper
43 100
58 17.6 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 50.357 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

Tgt Ion: 95 Resp: 114107
Ion Ratio Lower Upper
95 100
174 79.6 0.0 154.6
176 78.0 0.0 155.8

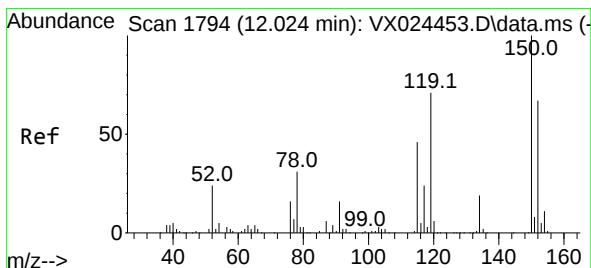
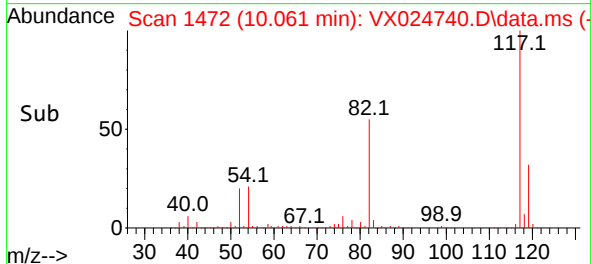
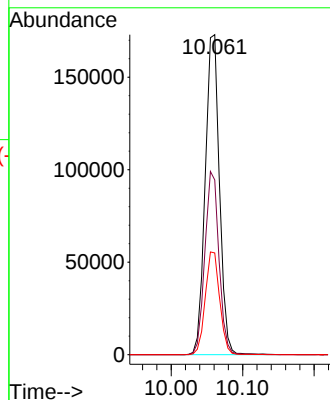
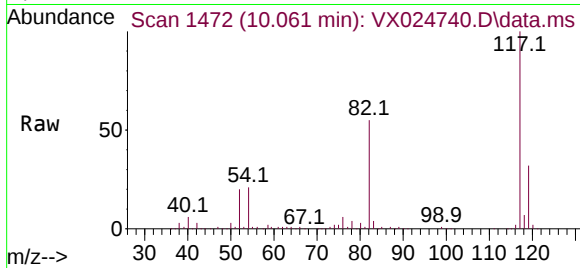




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

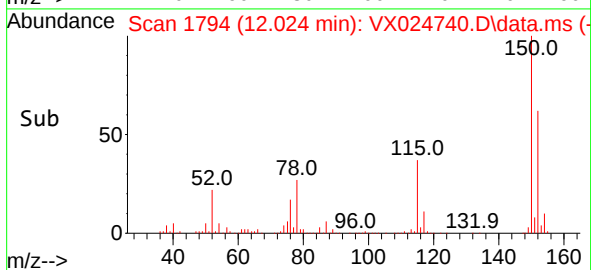
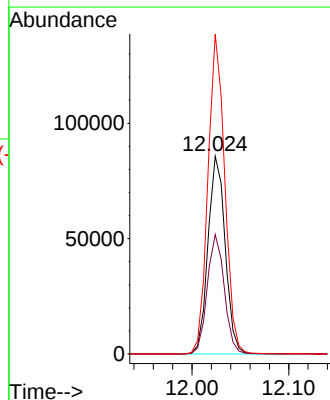
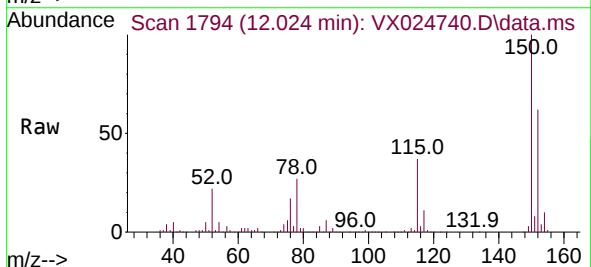
Instrument :
MSVOA_X
ClientSampleId :

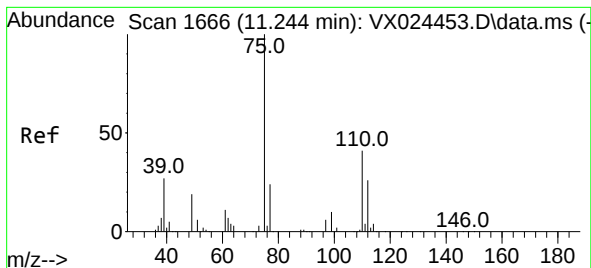
Tgt Ion:117 Resp: 239746
Ion Ratio Lower Upper
117 100
82 54.6 47.4 71.2
119 31.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024740.D
Acq: 12 Oct 2021 03:47

Tgt Ion:152 Resp: 105697
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 158.0 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 25.290 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX024740.D

Acq: 12 Oct 2021 03:47

Tgt Ion: 75 Resp: 60704

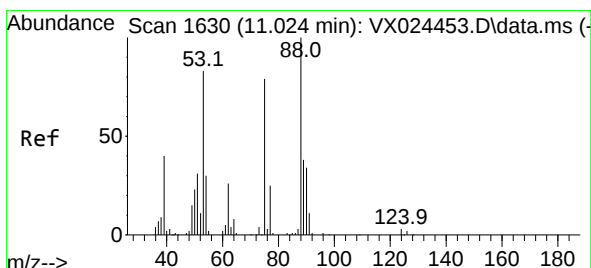
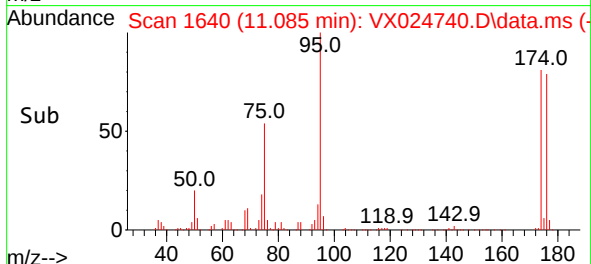
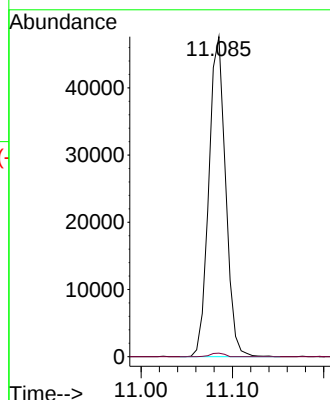
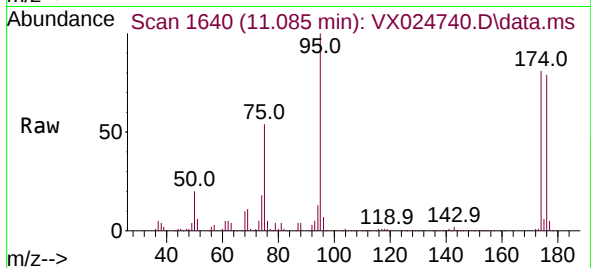
Ion Ratio Lower Upper

75 100
77 0.9 19.1 57.5#

Instrument :

MSVOA_X

ClientSampled :



#81

trans-1,4-Dichloro-2-butene

Concen: 68.942 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.061 min

Lab File: VX024740.D

Acq: 12 Oct 2021 03:47

Tgt Ion: 75 Resp: 60704

Ion Ratio Lower Upper

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

