

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024744.D
 Acq On : 12 Oct 2021 05:20
 Operator : JC/MD
 Sample : M4158-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 08:11:04 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)

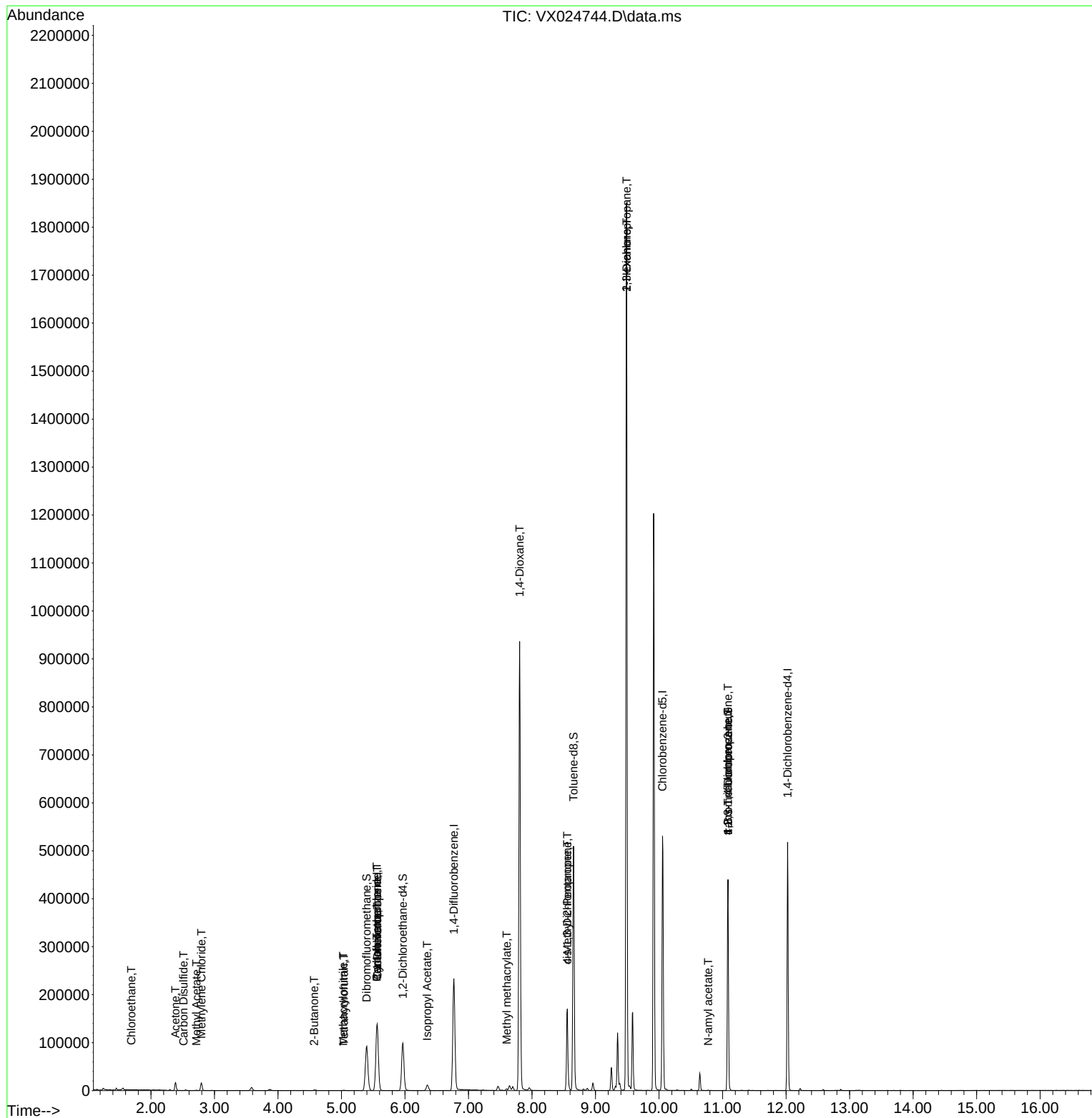
Internal Standards						
1) Pentafluorobenzene	5.556	168	128702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	228468	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99500	54.854	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.700%	
35) Dibromofluoromethane	5.397	113	77478	51.047	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.100%	
50) Toluene-d8	8.653	98	288001	51.556	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.120%	
62) 4-Bromofluorobenzene	11.085	95	110991	50.533	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.060%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.691	64	61	0.330	ug/l #	43
11) Tert butyl alcohol	2.959	59	458	Below Cal	#	73
16) Acetone	2.386	43	17257	12.932	ug/l	97
17) Carbon Disulfide	2.514	76	136	0.272	ug/l #	75
18) Methyl Acetate	2.715	43	1080	0.398	ug/l	90
20) Methylene Chloride	2.794	84	7214	4.269	ug/l	96
25) 2-Butanone	4.568	43	2699	2.161	ug/l #	80
29) Tetrahydrofuran	5.038	42	559	0.702	ug/l #	52
31) Cyclohexane	5.562	56	3019	1.390	ug/l #	19
36) 1,1-Dichloropropene	5.562	75	10106	4.614	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13297	5.577	ug/l #	17
41) Methacrylonitrile	5.025	41	479	0.339	ug/l #	38
43) Isopropyl Acetate	6.348	43	15539	3.738	ug/l #	92
48) Methyl methacrylate	7.604	41	4725	2.295	ug/l #	10
49) 1,4-Dioxane	7.805	88	134	2.842	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	59703	21.754	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	24490	9.570	ug/l #	72
57) 1,3-Dichloropropane	9.488	76	14860	5.265	ug/l #	43
59) 2-Hexanone	9.488	43	220080	101.825	ug/l #	43
74) N-amyl acetate	10.774	43	733	0.219	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	59605	25.506	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	59605	69.514	ug/l #	12

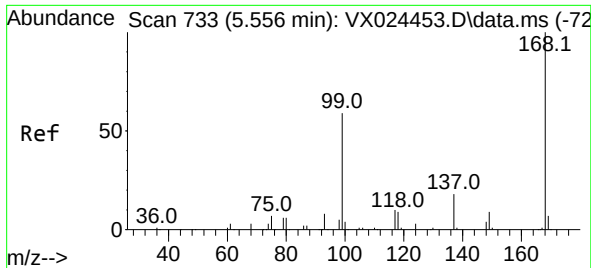
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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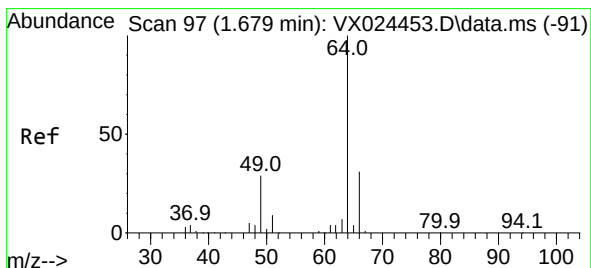
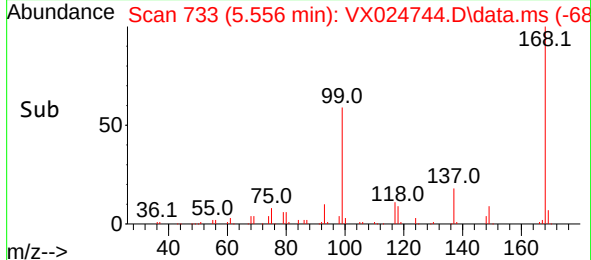
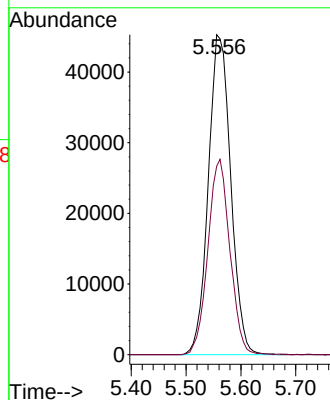
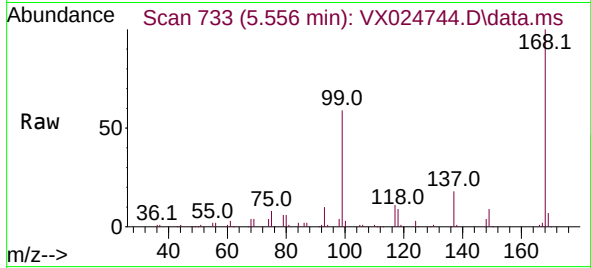




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

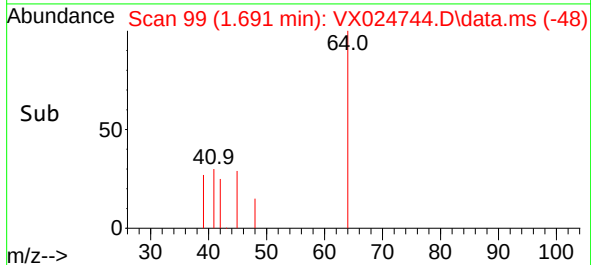
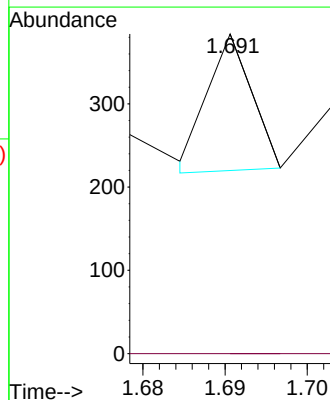
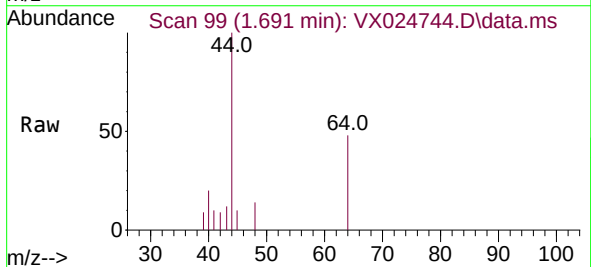
Instrument :
MSVOA_X
ClientSampleId :

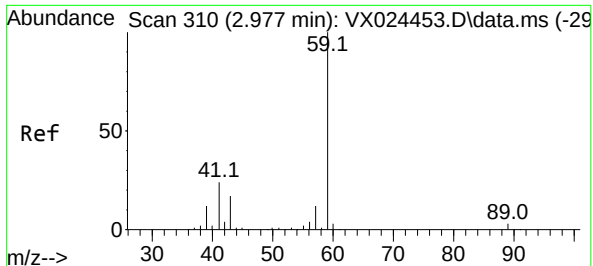
Tgt Ion:168 Resp: 128702
Ion Ratio Lower Upper
168 100
99 58.9 45.8 68.6



#6
Chloroethane
Concen: 0.330 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



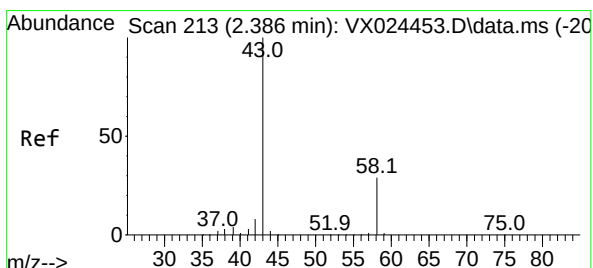
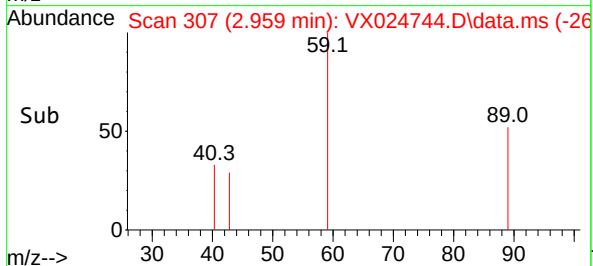
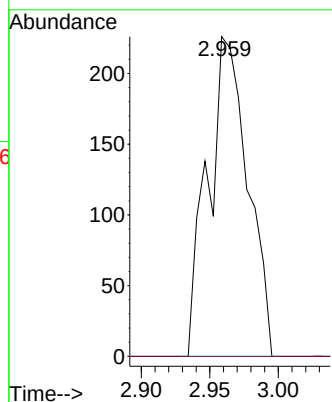
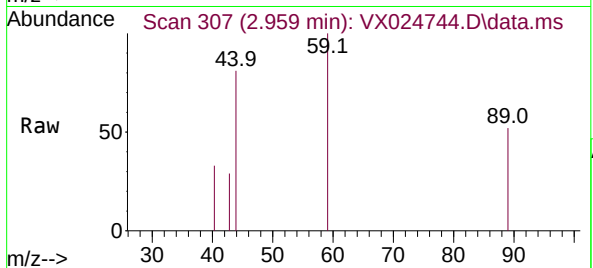


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

Instrument :
MSVOA_X
ClientSampled :

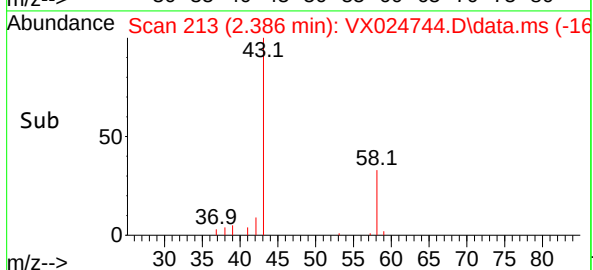
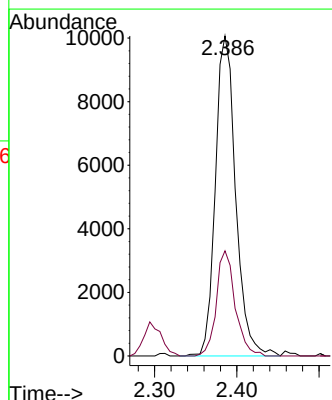
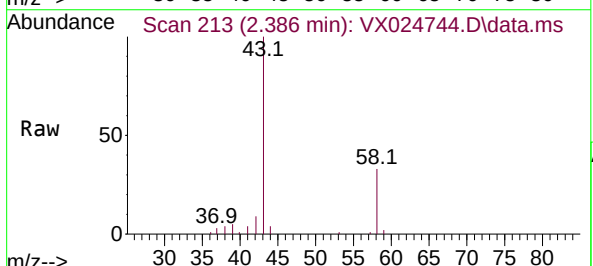
Tgt Ion: 59 Resp: 458
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

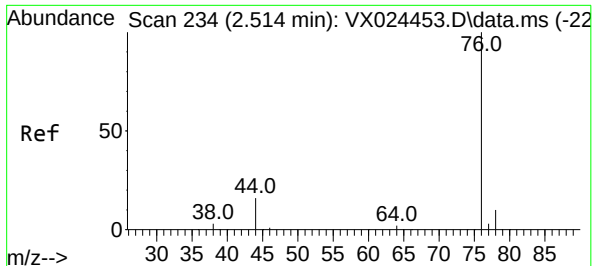


#16

Acetone
Concen: 12.932 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

Tgt Ion: 43 Resp: 17257
Ion Ratio Lower Upper
43 100
58 32.9 27.8 41.8

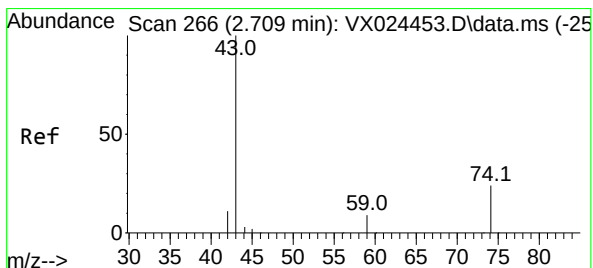
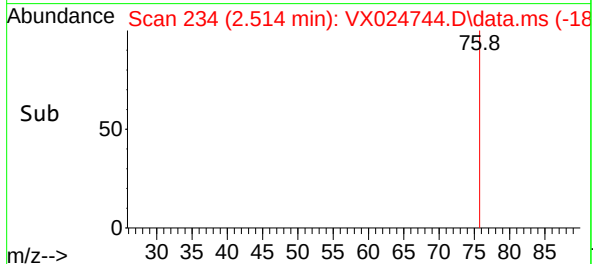
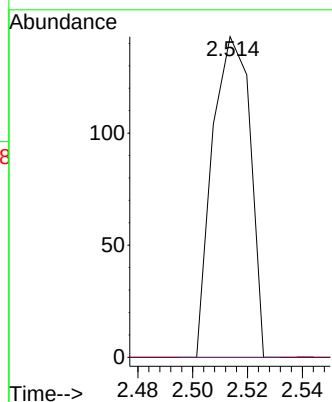
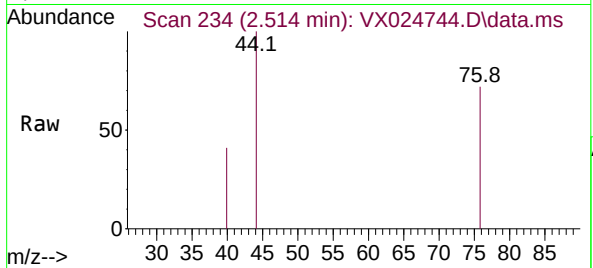




#17
Carbon Disulfide
Concen: 0.272 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

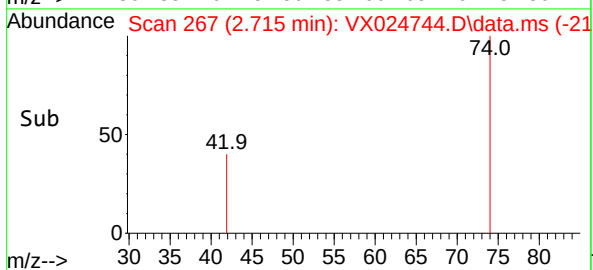
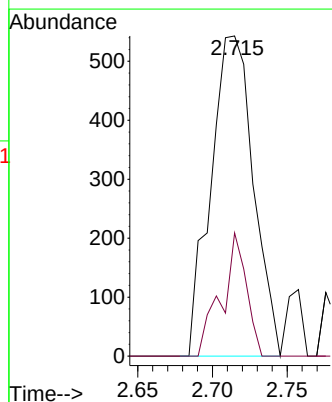
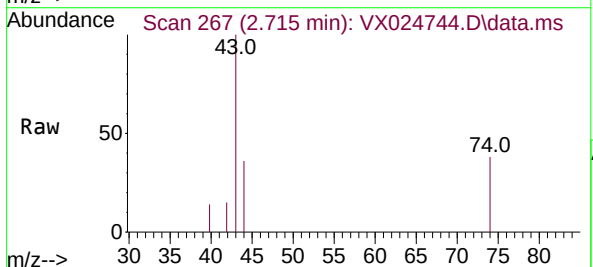
Instrument :
MSVOA_X
ClientSampled :

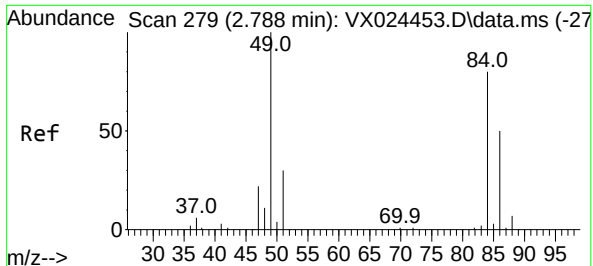
Tgt Ion: 76 Resp: 136
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.398 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

Tgt Ion: 43 Resp: 1080
Ion Ratio Lower Upper
43 100
74 22.3 21.9 32.9





#20

Methylene Chloride

Concen: 4.269 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX024744.D

Acq: 12 Oct 2021 05:20

Tgt Ion: 84 Resp: 7214

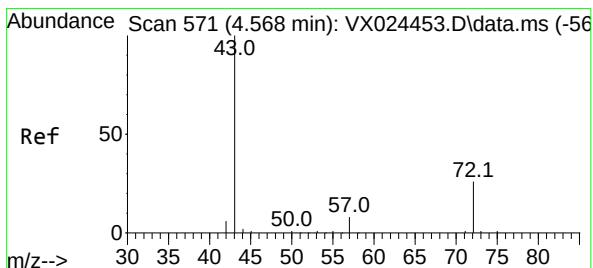
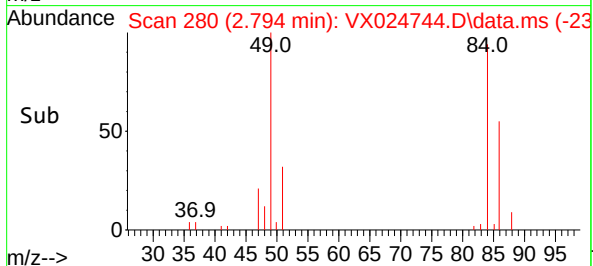
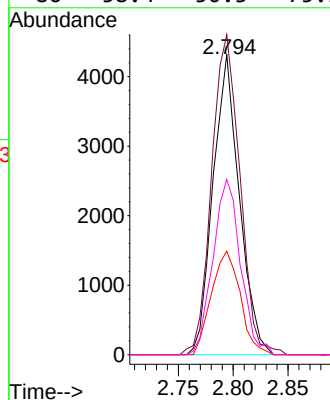
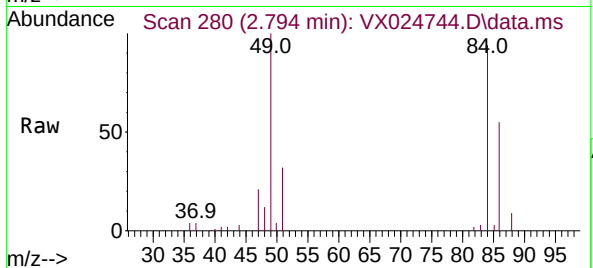
Ion Ratio Lower Upper

84 100

49 106.5 88.6 132.8

51 34.5 27.0 40.6

86 58.4 50.3 75.5



#25

2-Butanone

Concen: 2.161 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.000 min

Lab File: VX024744.D

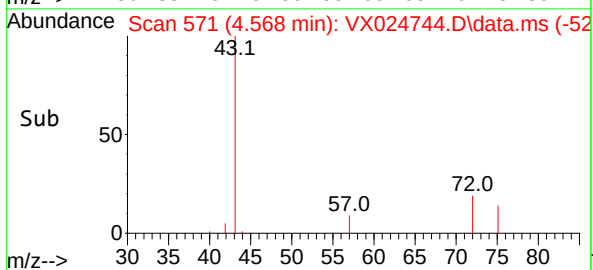
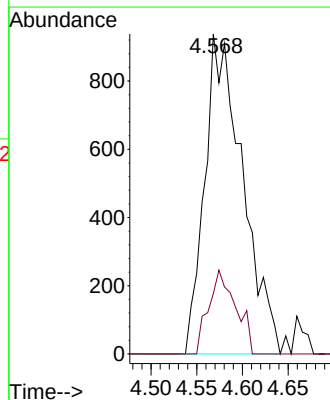
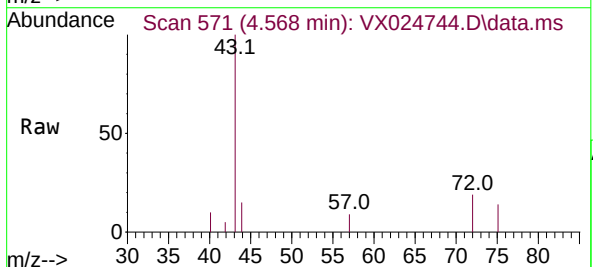
Acq: 12 Oct 2021 05:20

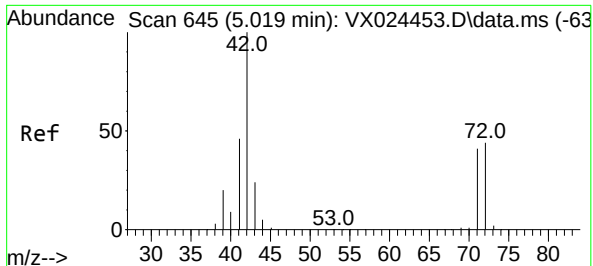
Tgt Ion: 43 Resp: 2699

Ion Ratio Lower Upper

43 100

72 18.9 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.702 ug/l

RT: 5.038 min Scan# 648

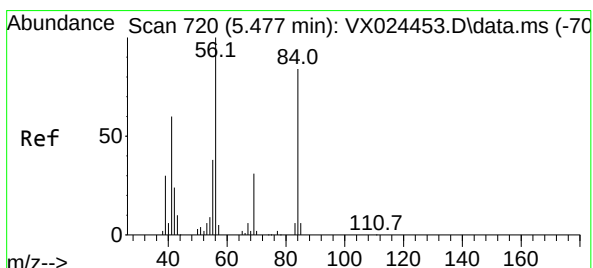
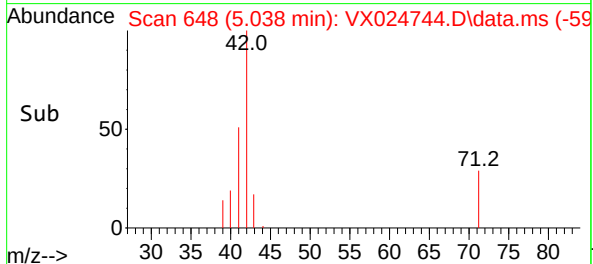
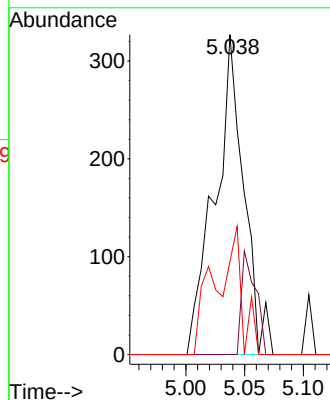
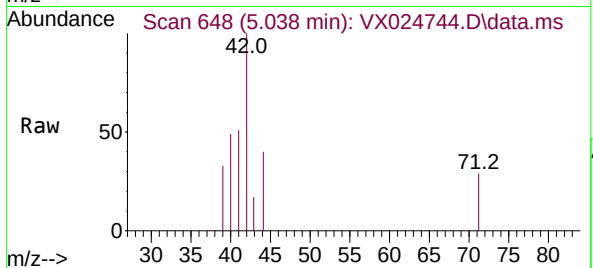
Delta R.T. 0.019 min

Lab File: VX024744.D

Acq: 12 Oct 2021 05:20

Tgt Ion:	42	Resp:	559
Ion	Ratio	Lower	Upper
42	100		
72	15.9	41.7	62.5#
71	18.6	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.390 ug/l

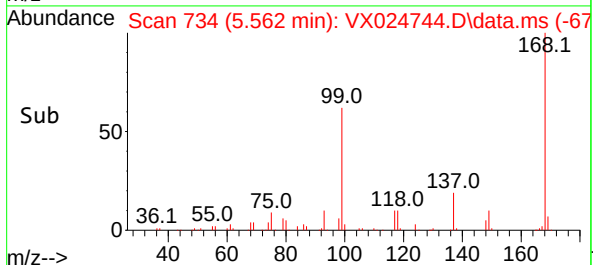
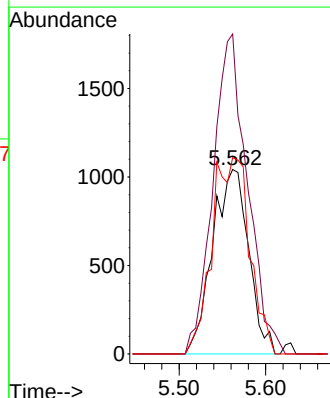
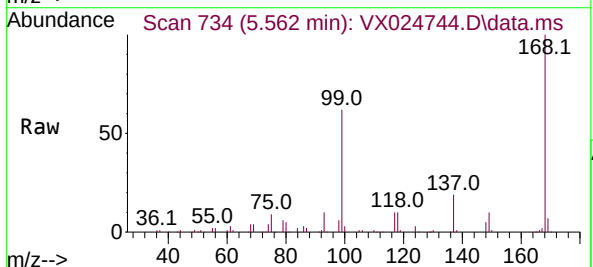
RT: 5.562 min Scan# 734

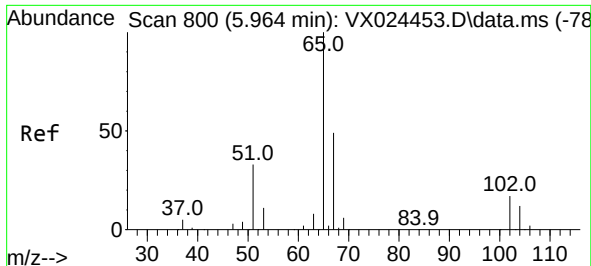
Delta R.T. 0.085 min

Lab File: VX024744.D

Acq: 12 Oct 2021 05:20

Tgt Ion:	56	Resp:	3019
Ion	Ratio	Lower	Upper
56	100		
69	173.5	25.3	37.9#
84	106.4	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 54.854 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024744.D

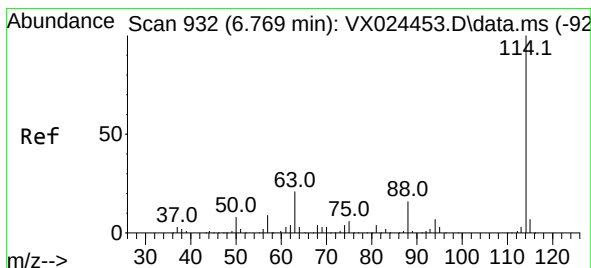
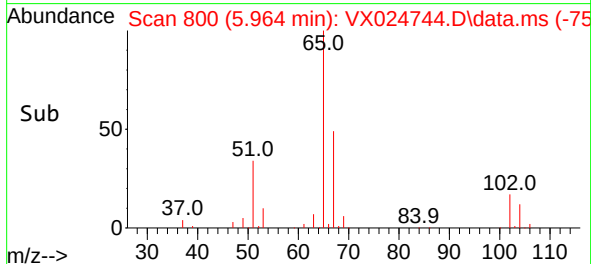
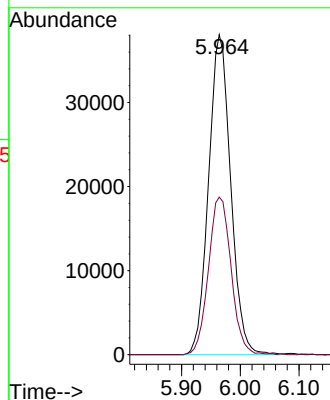
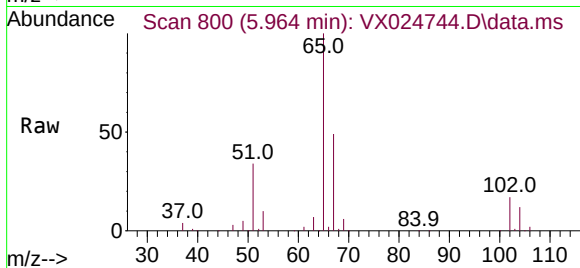
Acq: 12 Oct 2021 05:20

Tgt Ion: 65 Resp: 99500

Ion Ratio Lower Upper

65 100

67 50.5 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: VX024744.D

Acq: 12 Oct 2021 05:20

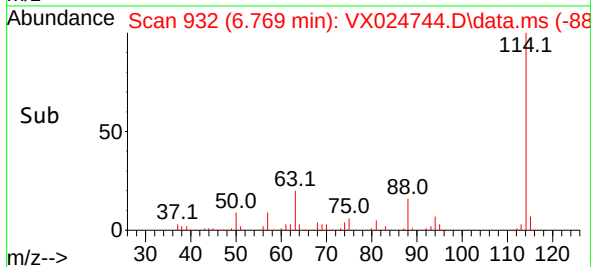
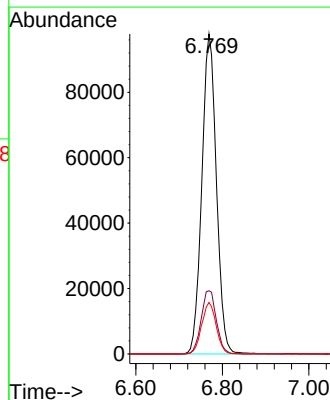
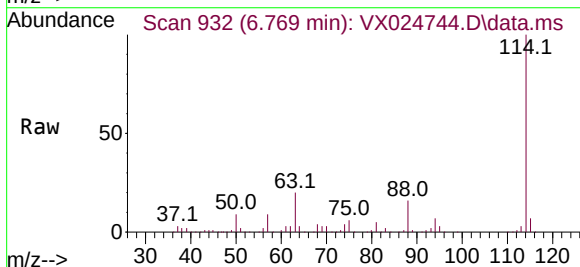
Tgt Ion: 114 Resp: 228468

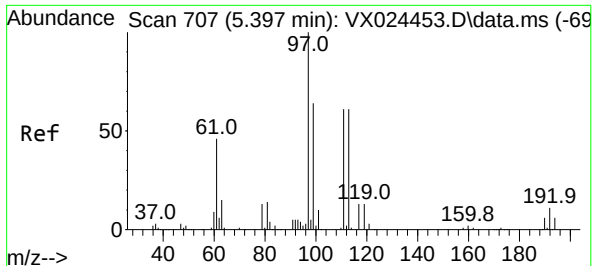
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 16.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.047 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024744.D

Acq: 12 Oct 2021 05:20

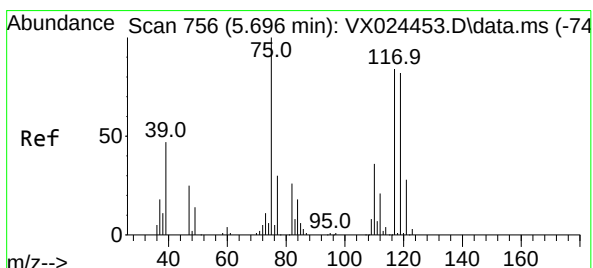
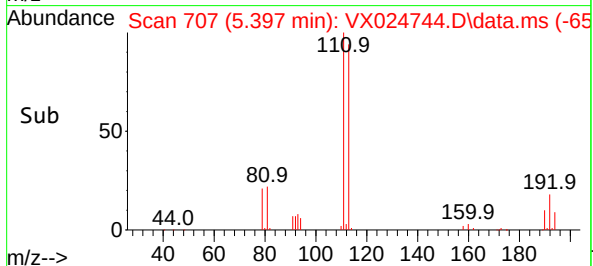
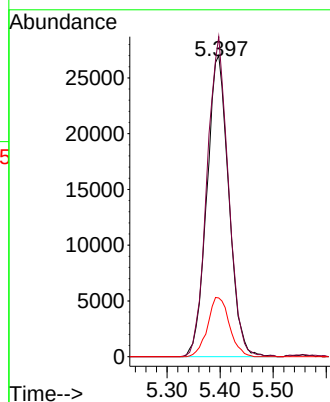
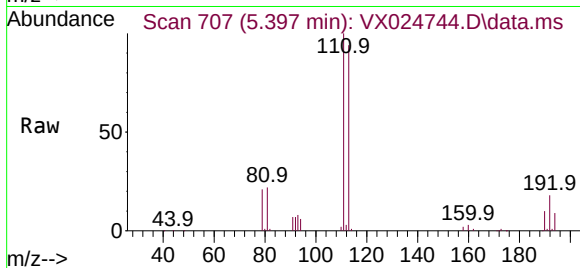
Tgt Ion:113 Resp: 77478

Ion Ratio Lower Upper

113 100

111 103.7 81.9 122.9

192 19.6 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.614 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX024744.D

Acq: 12 Oct 2021 05:20

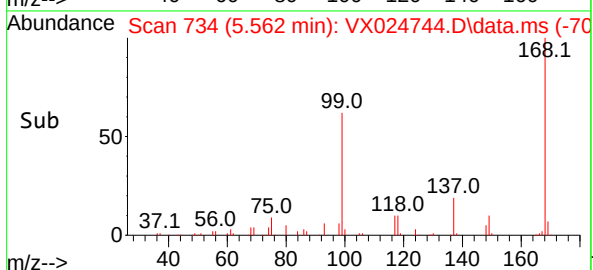
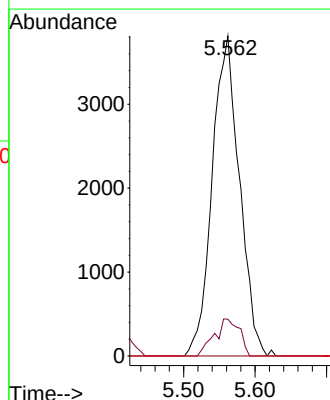
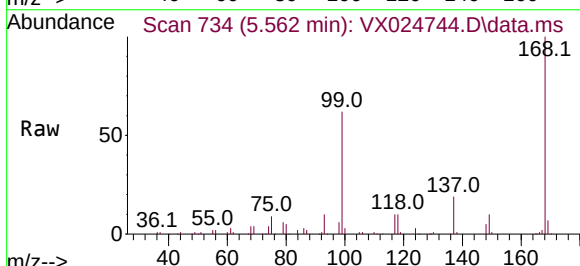
Tgt Ion: 75 Resp: 10106

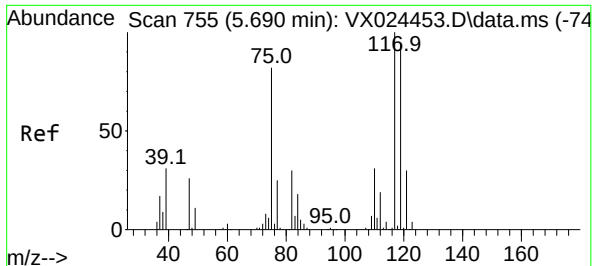
Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.4#

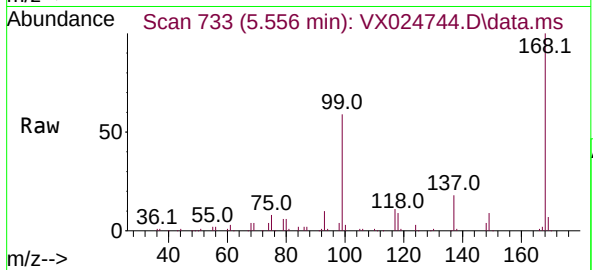
77 0.0 25.3 37.9#



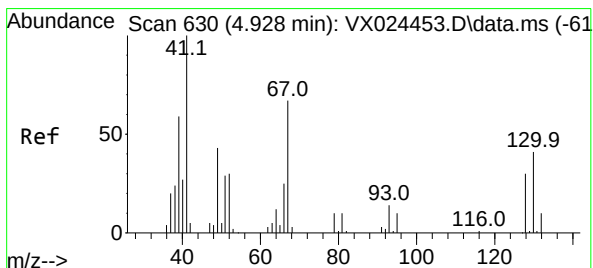
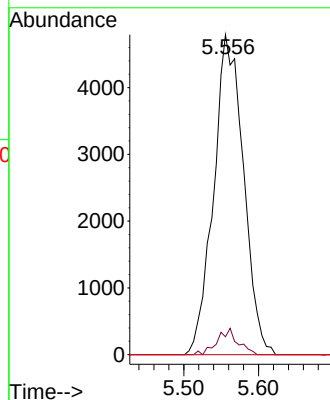
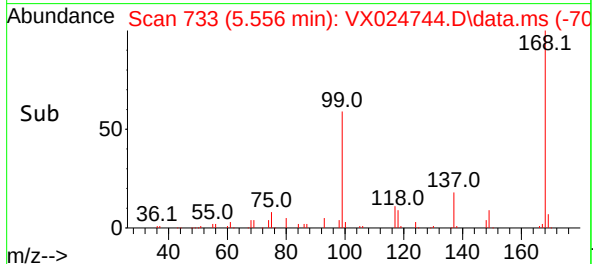


#38
Carbon Tetrachloride
Concen: 5.577 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

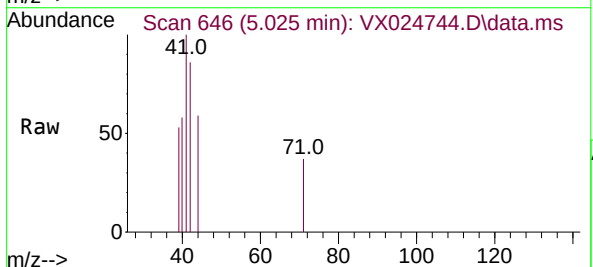
Instrument :
MSVOA_X
ClientSampled :



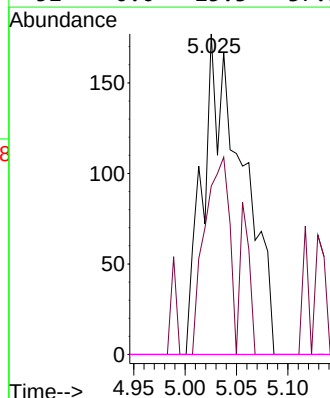
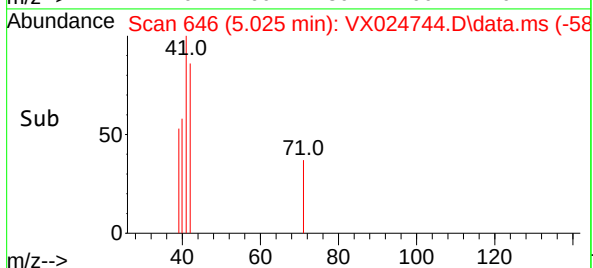
Tgt Ion:117 Resp: 13297
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#

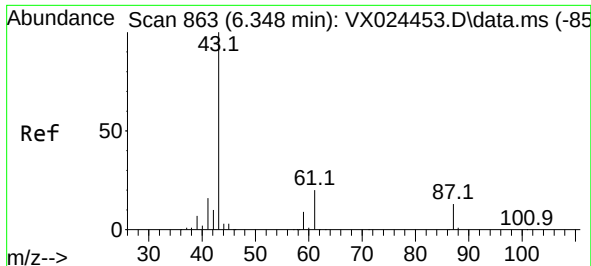


#41
Methacrylonitrile
Concen: 0.339 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.097 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20



Tgt Ion: 41 Resp: 479
Ion Ratio Lower Upper
41 100
39 38.0 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

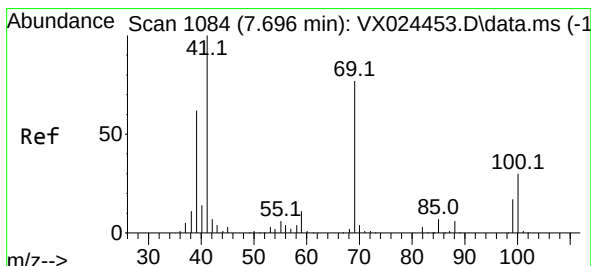
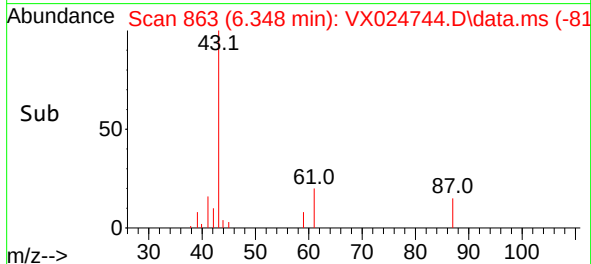
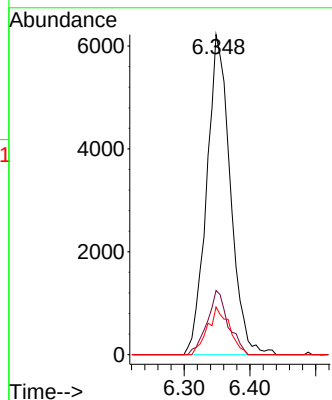
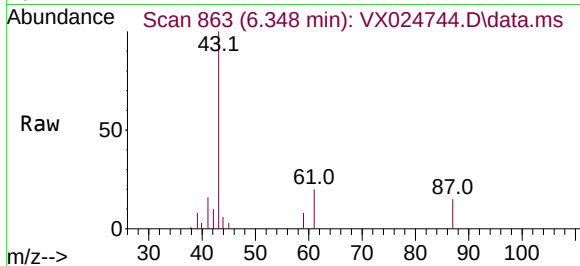




#43
Isopropyl Acetate
Concen: 3.738 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

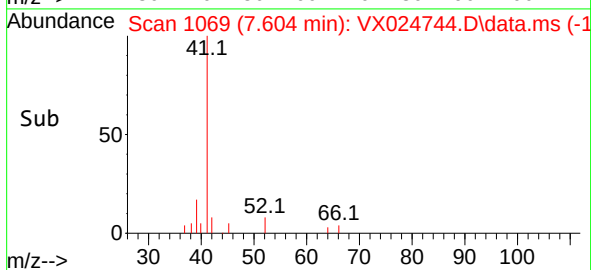
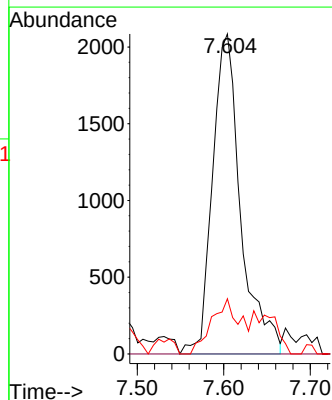
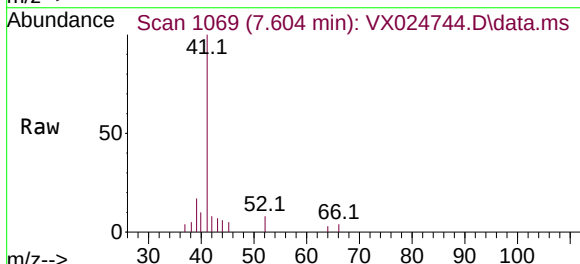
Instrument :
MSVOA_X
ClientSampled :

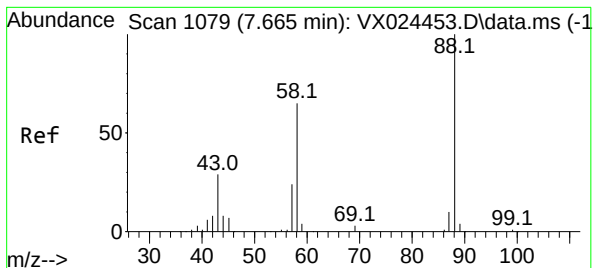
Tgt Ion: 43 Resp: 15539
Ion Ratio Lower Upper
43 100
61 17.9 18.2 27.4#
87 13.8 12.5 18.7



#48
Methyl methacrylate
Concen: 2.295 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

Tgt Ion: 41 Resp: 4725
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

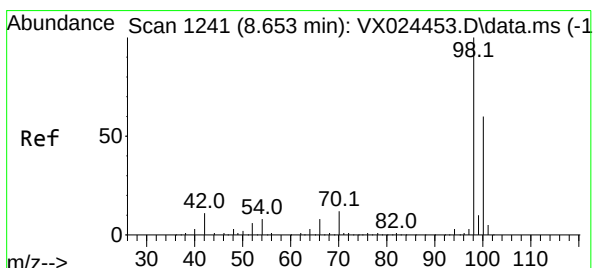
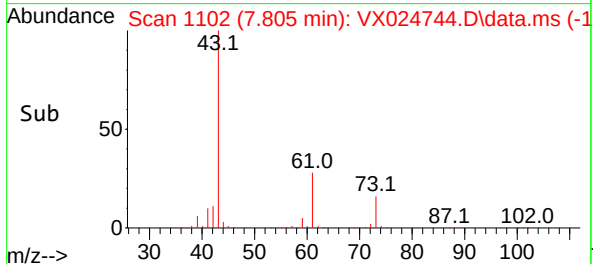
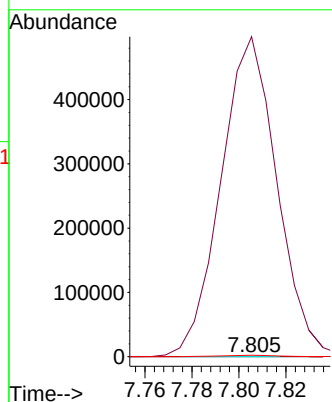
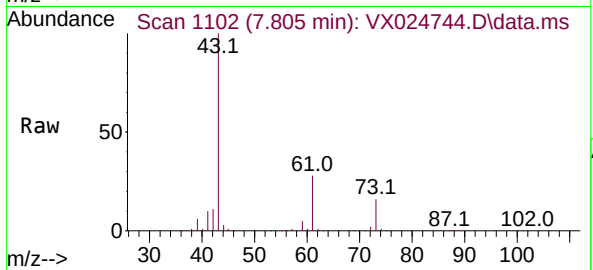




#49
1,4-Dioxane
Concen: 2.842 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

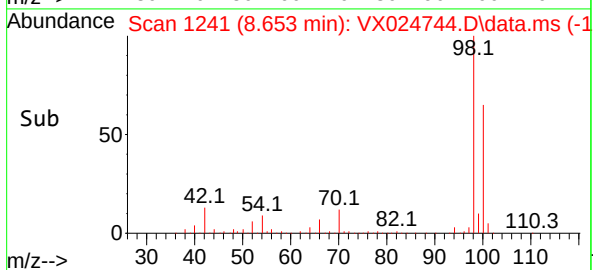
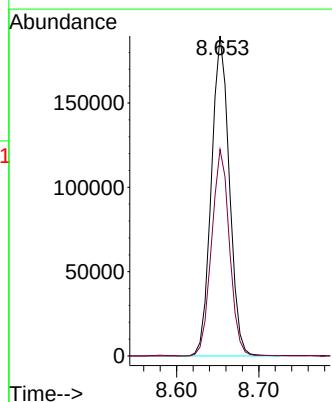
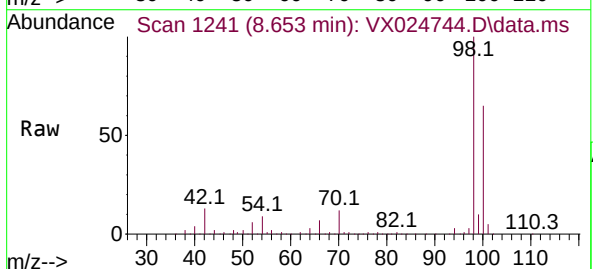
Instrument :
MSVOA_X
ClientSampleId :

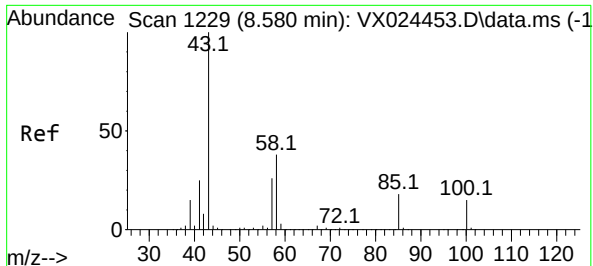
Tgt Ion: 88 Resp: 134
Ion Ratio Lower Upper
88 100
43 621959.0 23.2 34.8#
58 2955.2 55.0 82.4#



#50
Toluene-d8
Concen: 51.556 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

Tgt Ion: 98 Resp: 288001
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

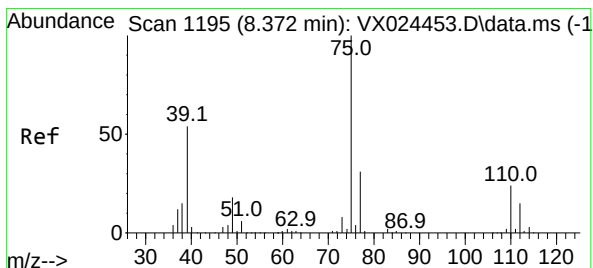
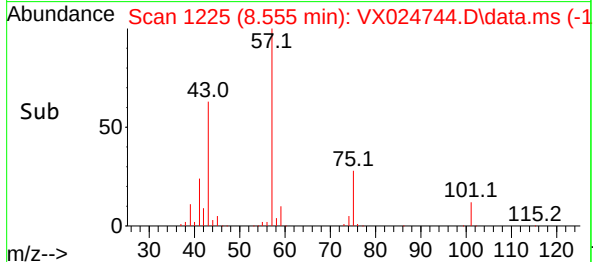
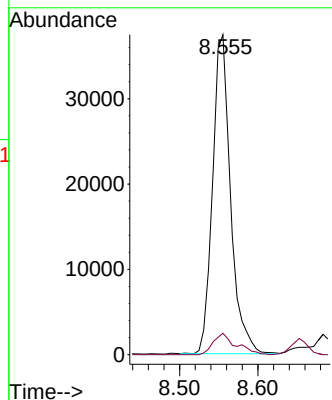
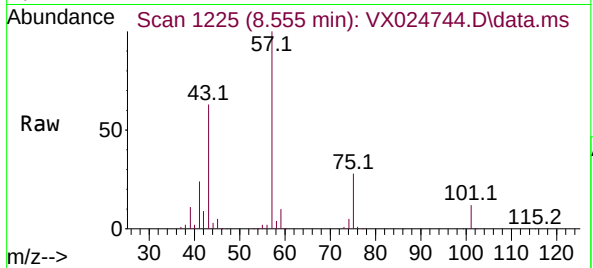




#51
4-Methyl-2-Pentanone
Concen: 21.754 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

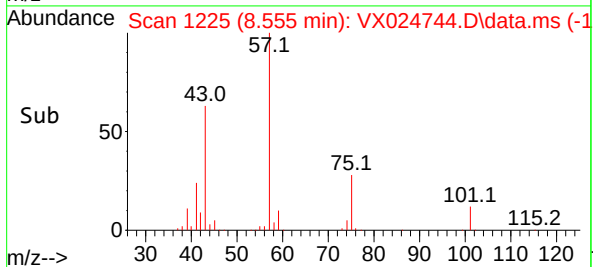
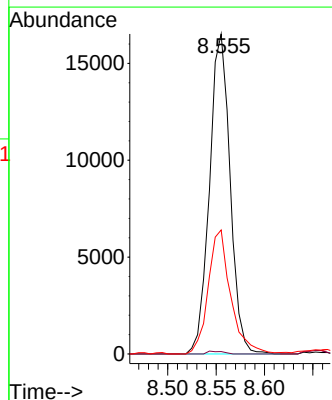
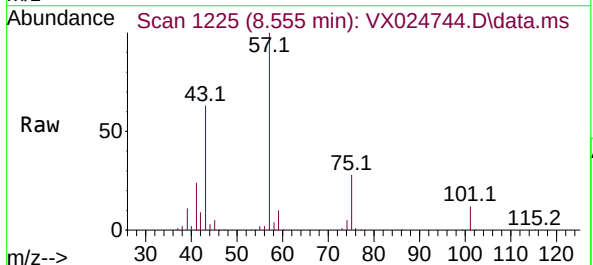
Instrument :
MSVOA_X
ClientSampled :

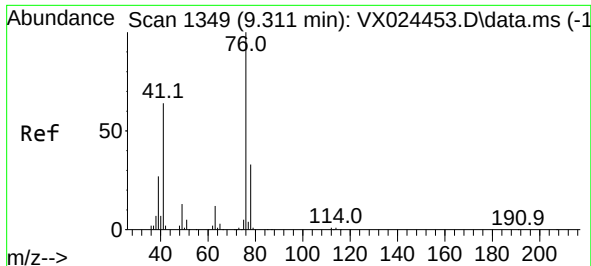
Tgt Ion: 43 Resp: 59703
Ion Ratio Lower Upper
43 100
58 8.5 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 9.570 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

Tgt Ion: 75 Resp: 24490
Ion Ratio Lower Upper
75 100
77 0.7 25.7 38.5#
39 38.7 35.1 52.7

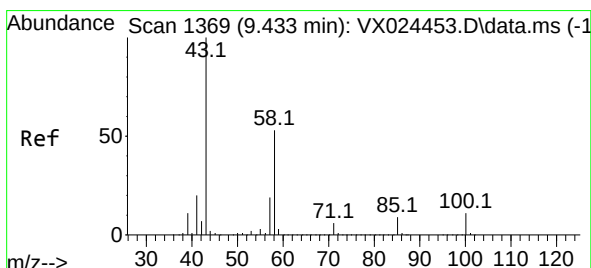
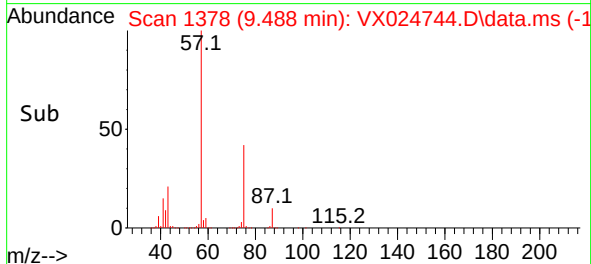
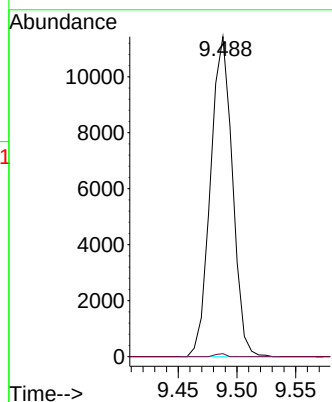
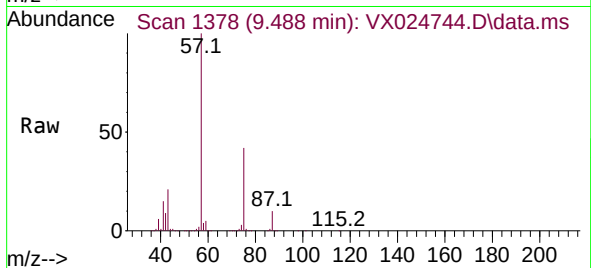




#57
1,3-Dichloropropane
Concen: 5.265 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

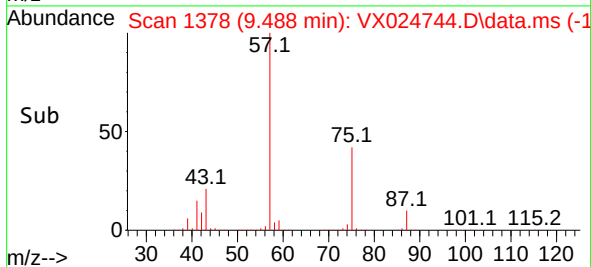
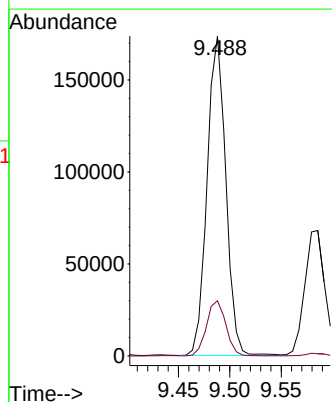
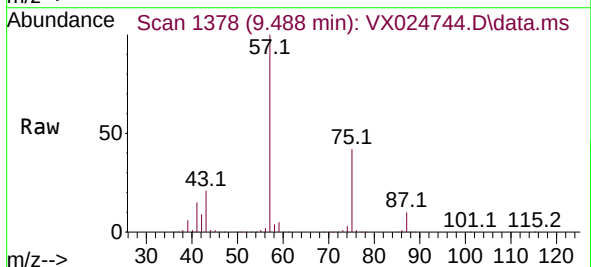
Instrument :
MSVOA_X
ClientSampled :

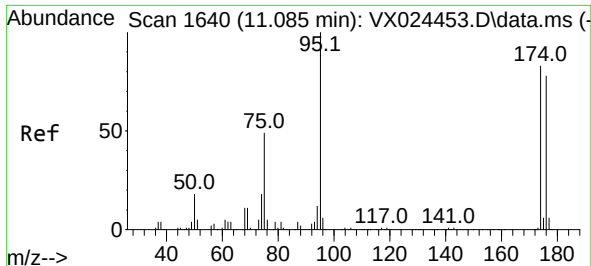
Tgt Ion: 76 Resp: 14860
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#



#59
2-Hexanone
Concen: 101.825 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

Tgt Ion: 43 Resp: 220080
Ion Ratio Lower Upper
43 100
58 17.9 30.9 92.8#

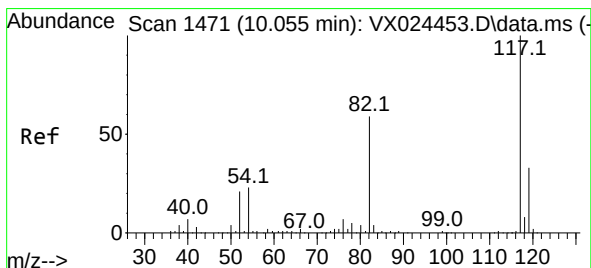
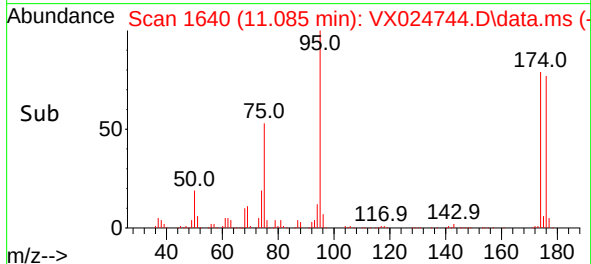
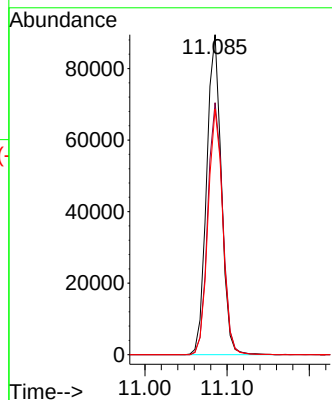
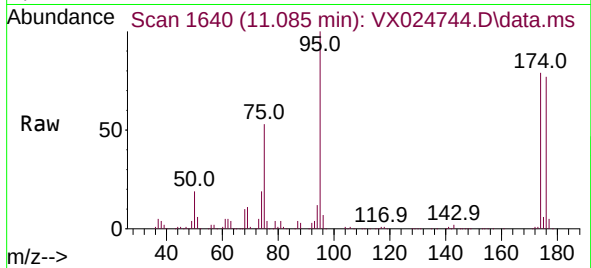




#62
4-Bromofluorobenzene
Concen: 50.533 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

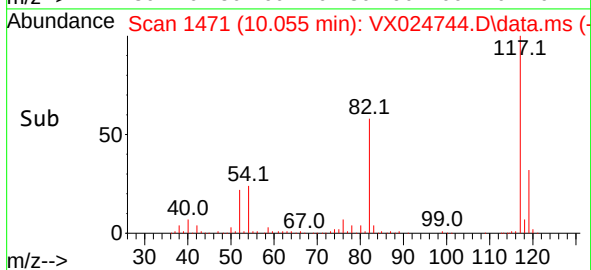
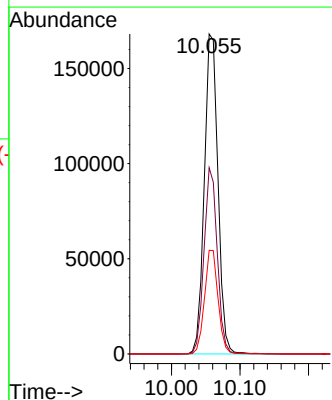
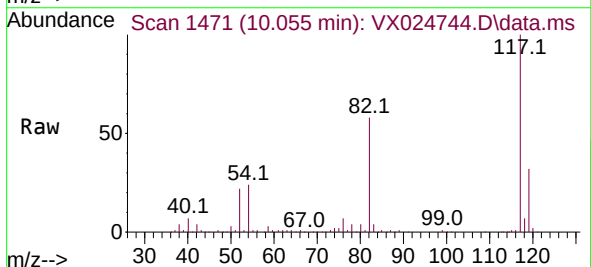
Instrument :
MSVOA_X
ClientSampled :

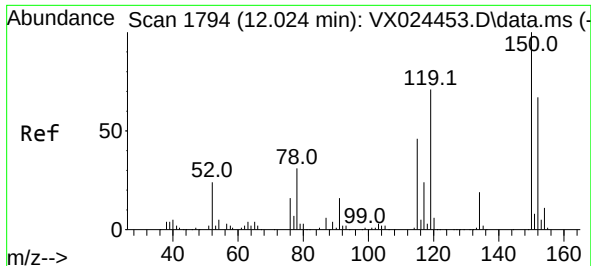
Tgt Ion: 95 Resp: 110991
Ion Ratio Lower Upper
95 100
174 80.6 0.0 154.6
176 77.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024744.D
Acq: 12 Oct 2021 05:20

Tgt Ion: 117 Resp: 233257
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 32.4 26.6 39.8

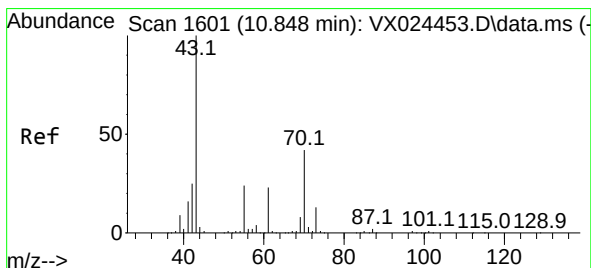
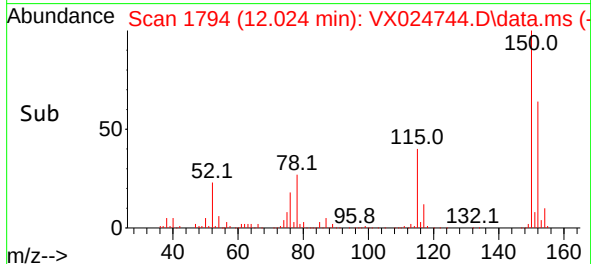
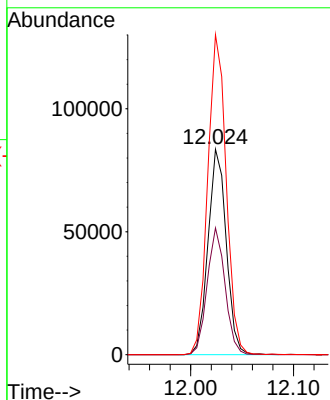
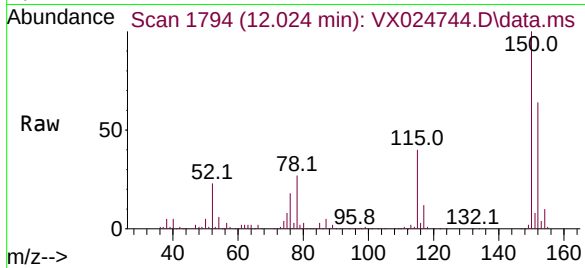




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024744.D
 Acq: 12 Oct 2021 05:20

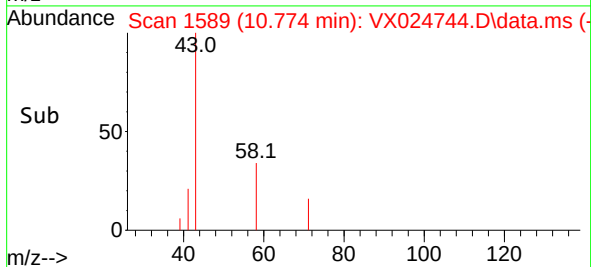
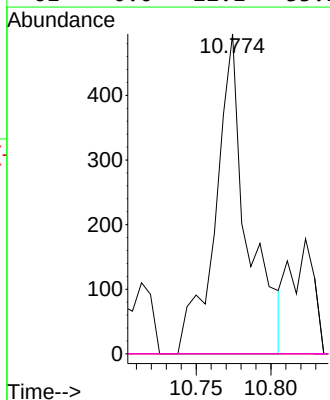
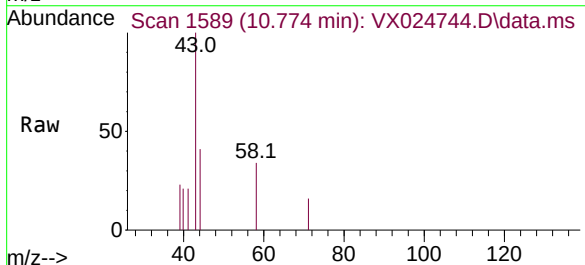
Instrument :
 MSVOA_X
 ClientSampled :

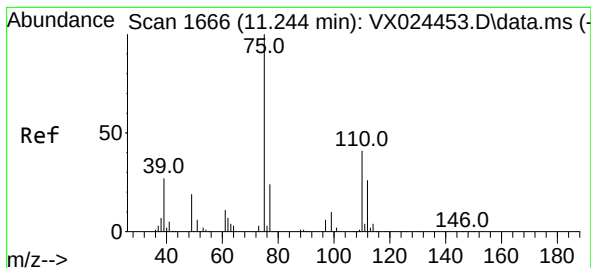
Tgt Ion:152 Resp: 102905
 Ion Ratio Lower Upper
 152 100
 115 60.8 41.1 123.3
 150 157.4 0.0 349.0



#74
 N-ethyl acetate
 Concen: 0.219 ug/l
 RT: 10.774 min Scan# 1589
 Delta R.T. -0.074 min
 Lab File: VX024744.D
 Acq: 12 Oct 2021 05:20

Tgt Ion: 43 Resp: 733
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.6#
 55 0.0 21.5 32.3#
 61 0.0 22.1 33.1#





#76

1,2,3-Trichloropropane

Concen: 25.506 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX024744.D

Acq: 12 Oct 2021 05:20

Tgt Ion: 75 Resp: 59605

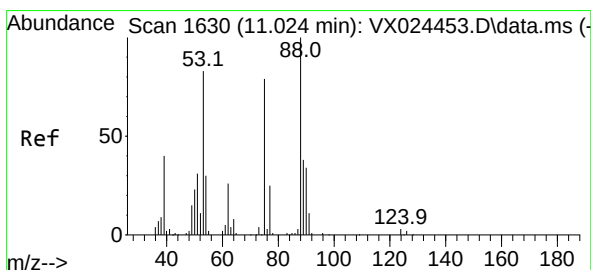
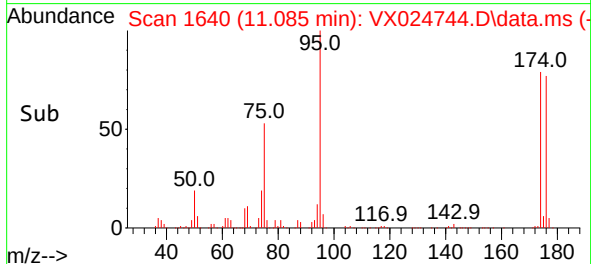
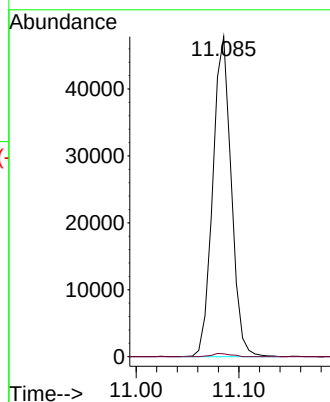
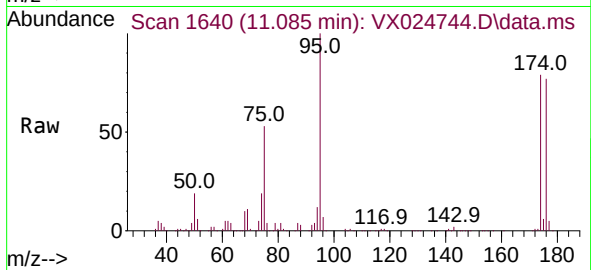
Ion Ratio Lower Upper

75 100
77 1.0 19.1 57.5#

Instrument :

MSVOA_X

ClientSampled :



#81

trans-1,4-Dichloro-2-butene

Concen: 69.514 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.061 min

Lab File: VX024744.D

Acq: 12 Oct 2021 05:20

Tgt Ion: 75 Resp: 59605

Ion Ratio Lower Upper

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

