

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060321\
 Data File : VX022388.D
 Acq On : 04 Jun 2021 00:14
 Operator : JC/MD
 Sample : PB36780ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

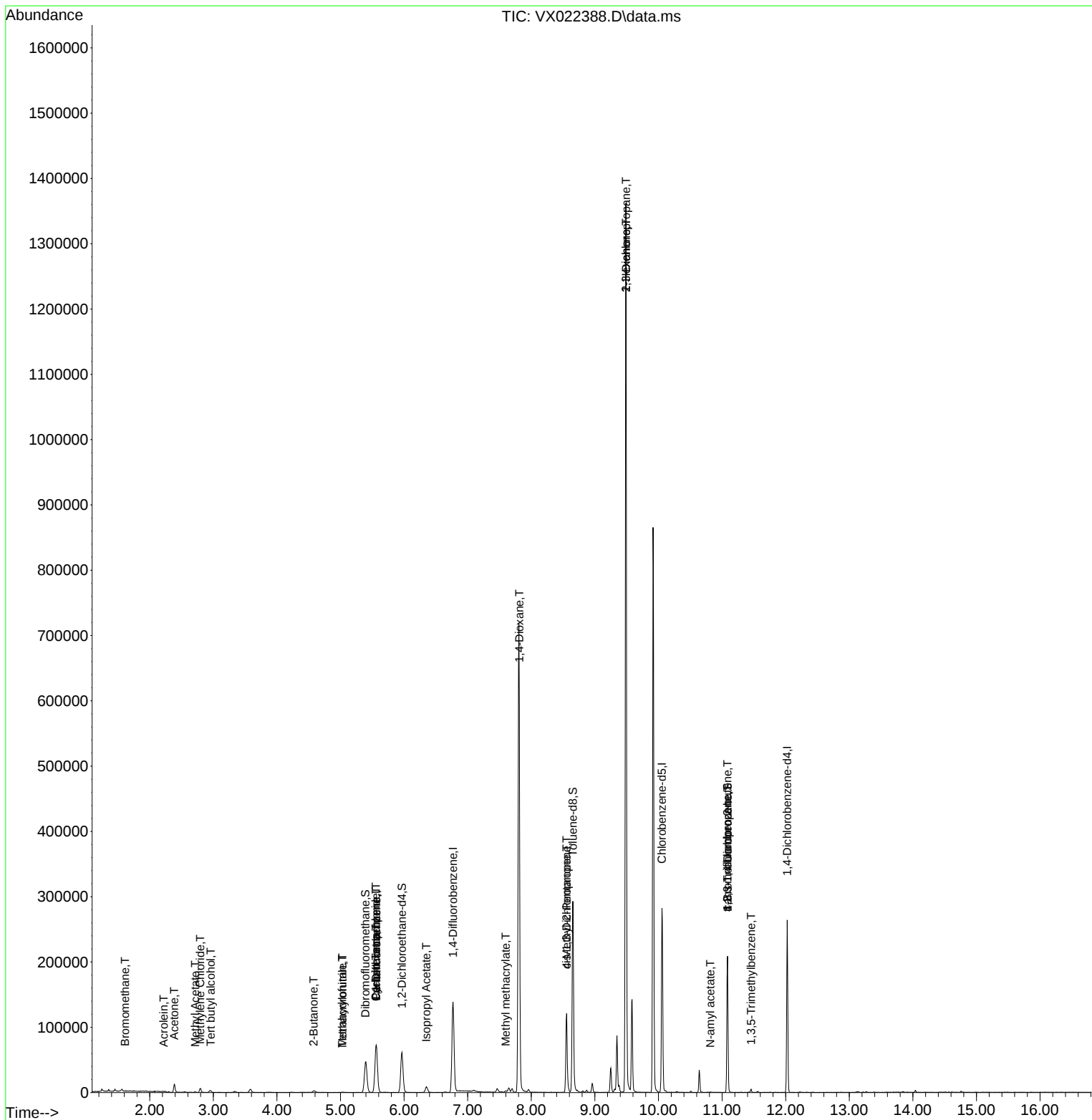
Quant Time: Jun 04 05:38:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	61984	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	136856	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46876	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	55467	58.01	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	116.02%
35) Dibromofluoromethane	5.391	113	41034	47.28	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.56%
50) Toluene-d8	8.653	98	166513	49.81	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.62%
62) 4-Bromofluorobenzene	11.085	95	58128	47.04	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.08%
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	139	0.28	ug/l	# 51
11) Tert butyl alcohol	2.959	59	2077	9.50	ug/l	# 73
13) Acrolein	2.221	56	44	0.30	ug/l	# 70
16) Acetone	2.386	43	13081	31.42	ug/l	95
18) Methyl Acetate	2.715	43	1343	1.21	ug/l	# 81
20) Methylene Chloride	2.794	84	2677	2.90	ug/l	95
25) 2-Butanone	4.574	43	3001	4.46	ug/l	# 81
29) Tetrahydrofuran	5.025	42	337	0.84	ug/l	# 27
31) Cyclohexane	5.556	56	1744	1.45	ug/l	# 25
36) 1,1-Dichloropropene	5.556	75	6139	4.85	ug/l	# 47
38) Carbon Tetrachloride	5.556	117	7235	5.84	ug/l	# 16
41) Methacrylonitrile	5.032	41	189	0.23	ug/l	# 39
43) Isopropyl Acetate	6.348	43	12106	4.77	ug/l	# 93
48) Methyl methacrylate	7.598	41	3450	2.95	ug/l	# 10
49) 1,4-Dioxane	7.812	88	48	2.11	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	43163	28.40	ug/l	# 46
54) cis-1,3-Dichloropropene	8.555	75	19624	11.73	ug/l	# 63
57) 1,3-Dichloropropane	9.488	76	11006	6.44	ug/l	# 42
59) 2-Hexanone	9.488	43	154419	135.08	ug/l	# 45
74) N-amyl acetate	10.817	43	399	0.21	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	29795	25.76	ug/l	# 39
80) 1,3,5-Trimethylbenzene	11.457	105	2353	0.72	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.085	75	29795	61.05	ug/l	# 12

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

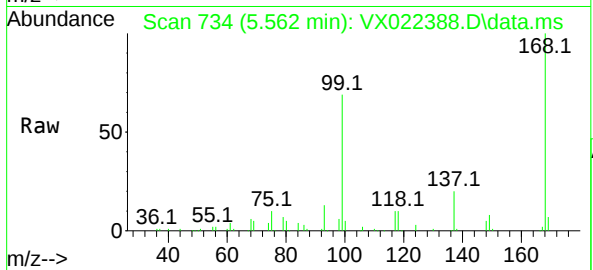
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
Response via : Initial Calibration



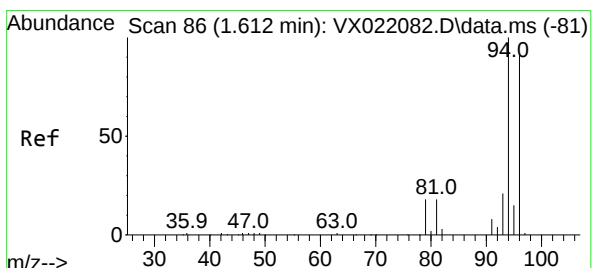
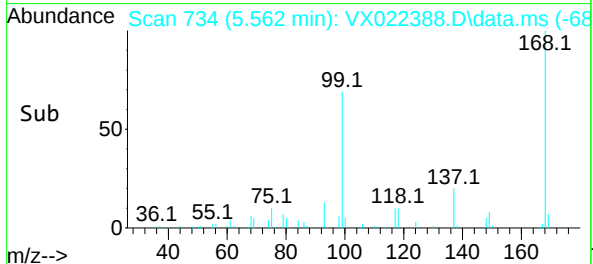
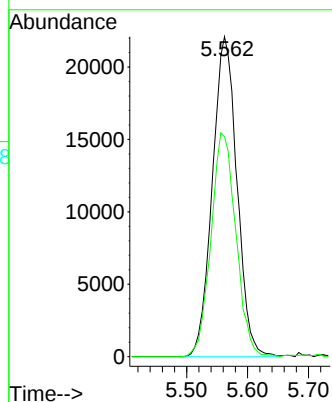


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

Instrument :
MSVOA_X
ClientSampled :

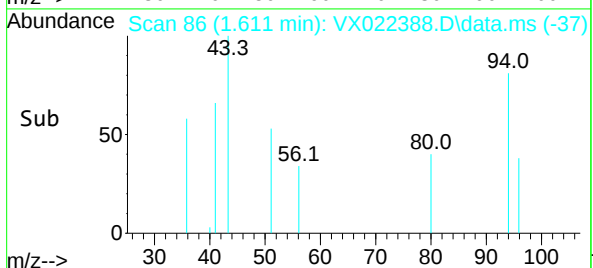
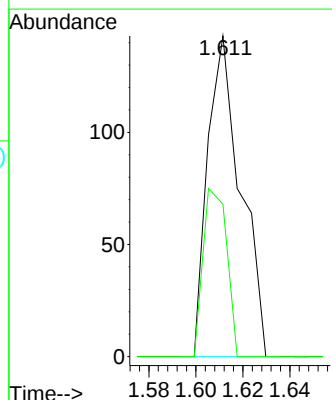
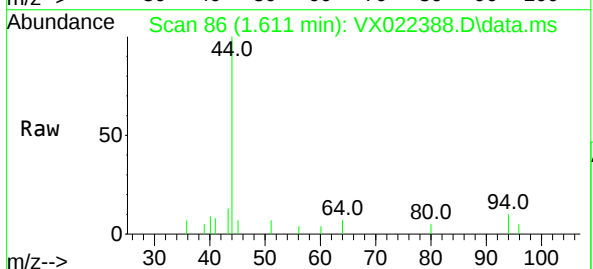


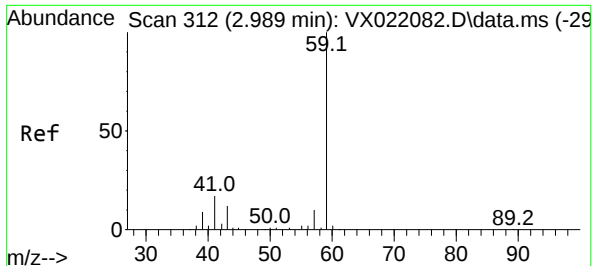
Tgt Ion:168 Resp: 61984
Ion Ratio Lower Upper
168 100
99 68.7 45.8 68.6#



#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.001 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

Tgt Ion: 94 Resp: 139
Ion Ratio Lower Upper
94 100
96 47.6 76.4 114.6#



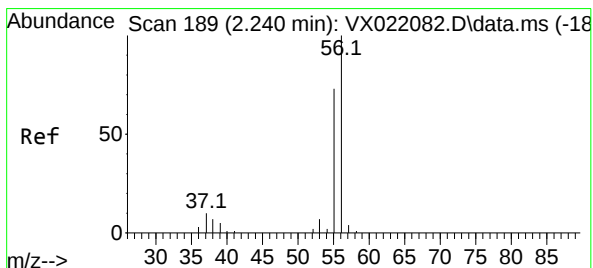
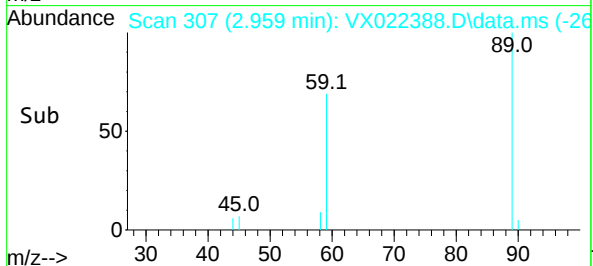
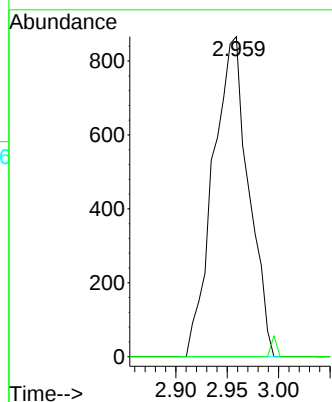
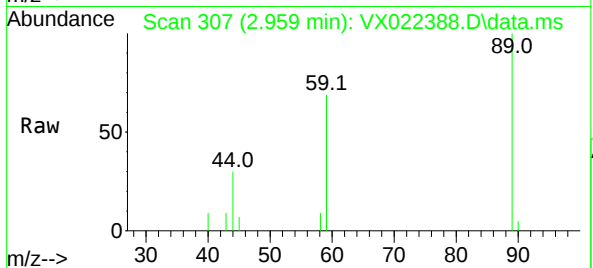


#11

Tert butyl alcohol
Concen: 9.50 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

Instrument :
MSVOA_X
ClientSampled :

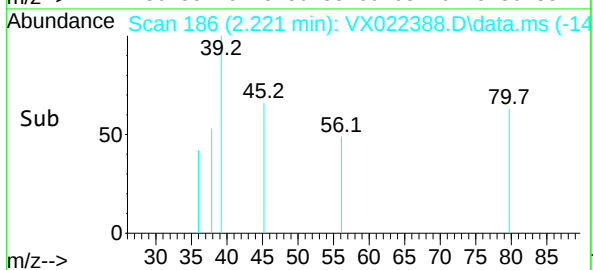
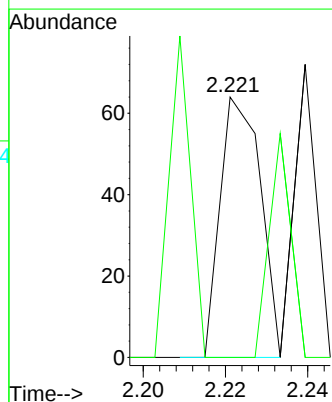
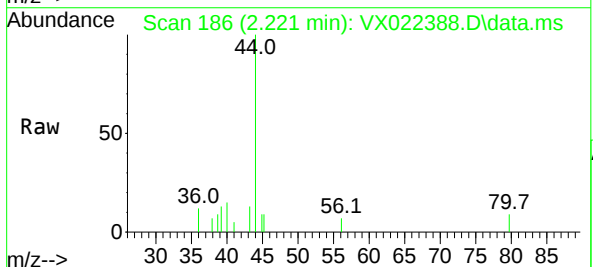
Tgt Ion: 59 Resp: 2077
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

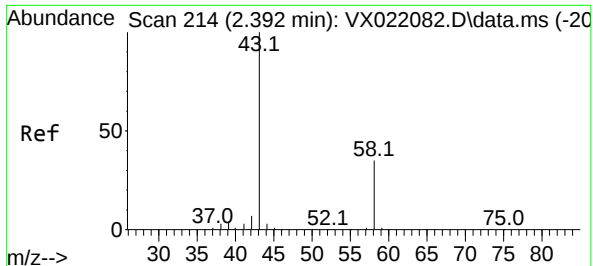


#13

Acrolein
Concen: 0.30 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.019 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

Tgt Ion: 56 Resp: 44
Ion Ratio Lower Upper
56 100
55 45.5 56.4 84.6#

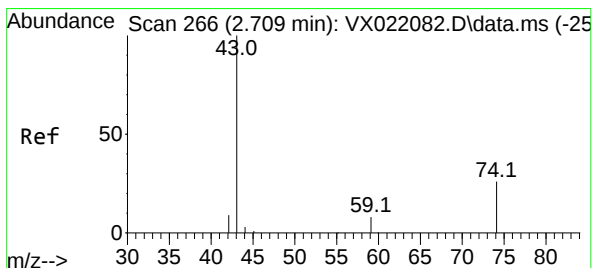
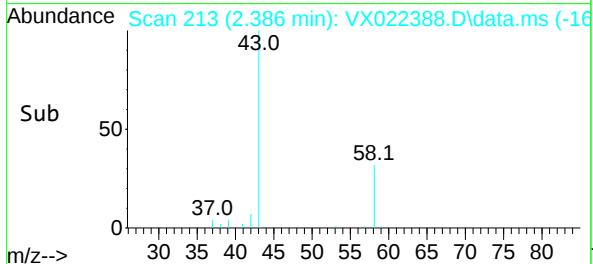
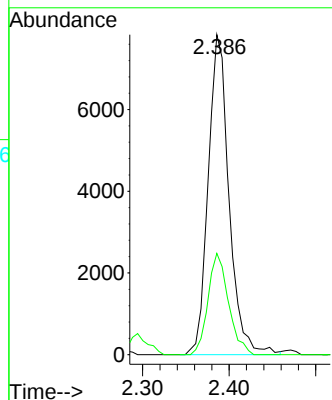
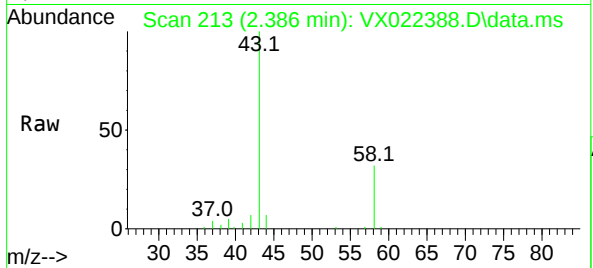




#16
Acetone
Concen: 31.42 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

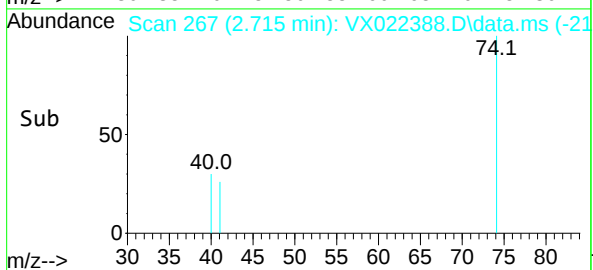
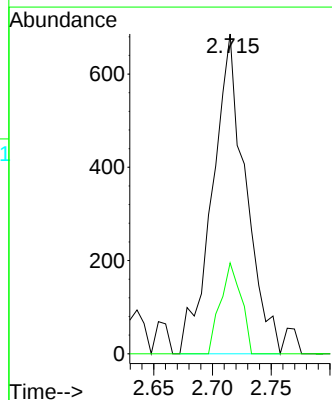
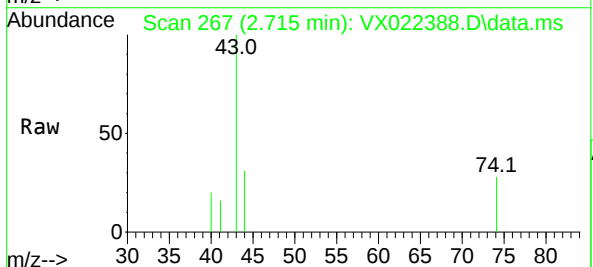
Instrument :
MSVOA_X
ClientSampled :

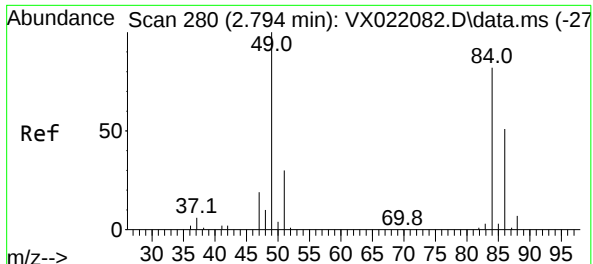
Tgt Ion: 43 Resp: 13081
Ion Ratio Lower Upper
43 100
58 31.7 27.8 41.8



#18
Methyl Acetate
Concen: 1.21 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

Tgt Ion: 43 Resp: 1343
Ion Ratio Lower Upper
43 100
74 17.7 21.9 32.9#





#20

Methylene Chloride

Concen: 2.90 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX022388.D

Acq: 04 Jun 2021 00:14

Tgt Ion: 84 Resp: 2677

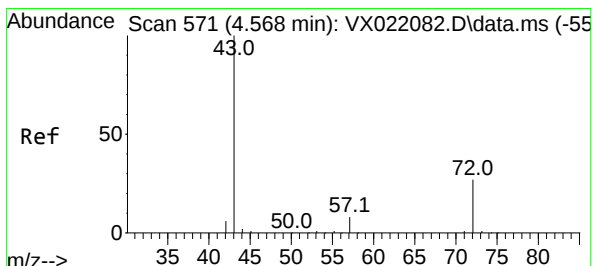
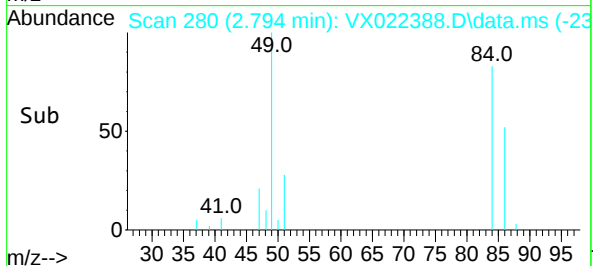
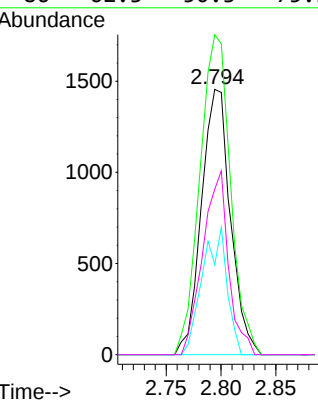
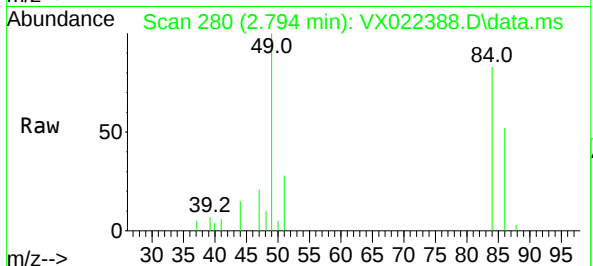
Ion Ratio Lower Upper

84 100

49 120.6 88.6 132.8

51 34.0 27.0 40.6

86 62.3 50.3 75.5



#25

2-Butanone

Concen: 4.46 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX022388.D

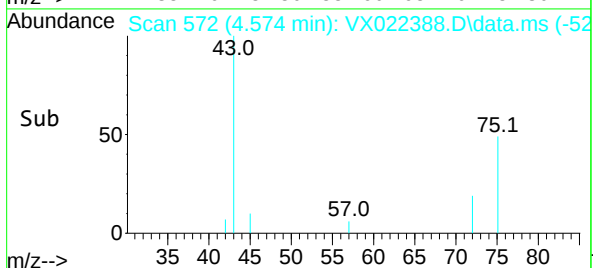
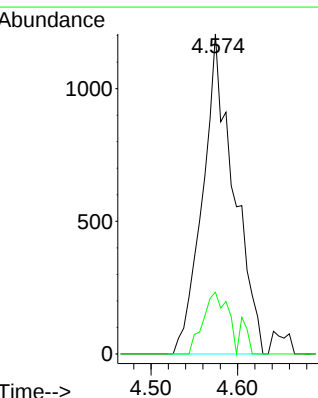
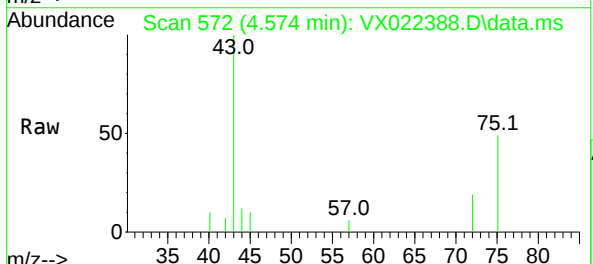
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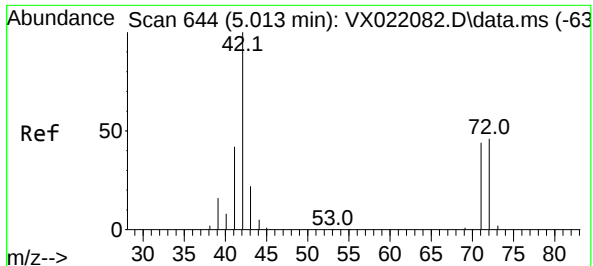
Tgt Ion: 43 Resp: 3001

Ion Ratio Lower Upper

43 100

72 19.3 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.84 ug/l

RT: 5.025 min Scan# 646

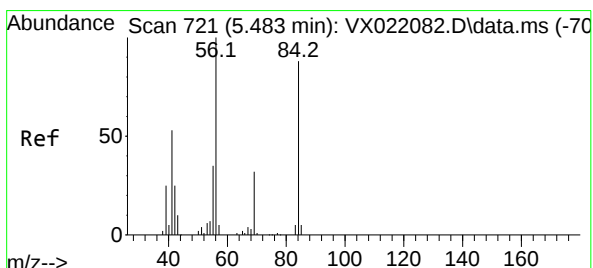
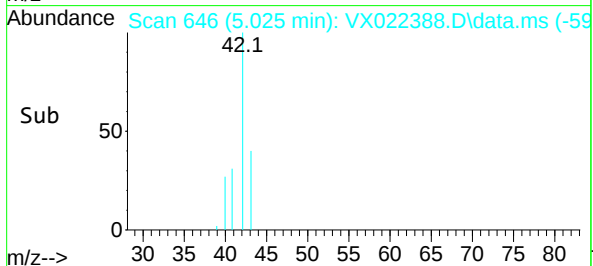
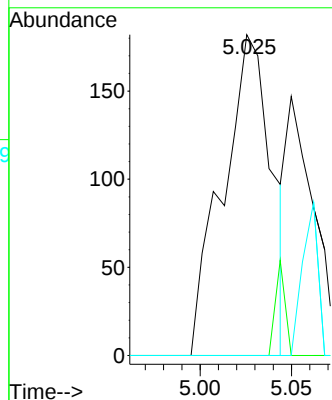
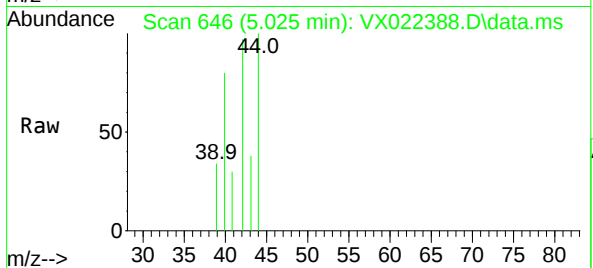
Delta R.T. 0.012 min

Lab File: VX022388.D

Acq: 04 Jun 2021 00:14

Tgt Ion:	42	Resp:	337
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.45 ug/l

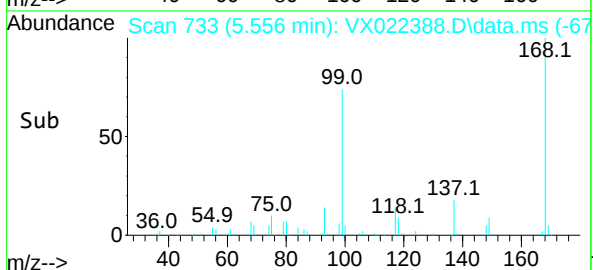
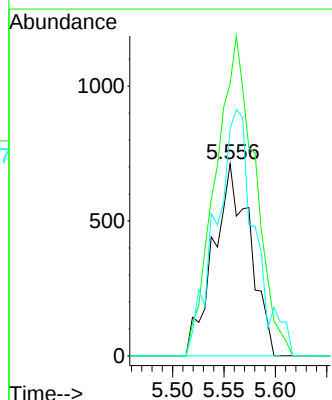
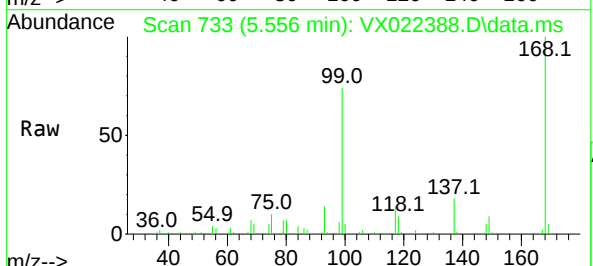
RT: 5.556 min Scan# 733

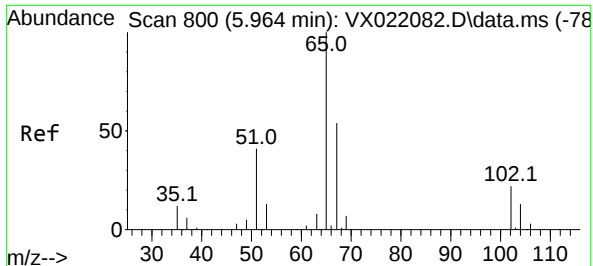
Delta R.T. 0.073 min

Lab File: VX022388.D

Acq: 04 Jun 2021 00:14

Tgt Ion:	56	Resp:	1744
Ion	Ratio	Lower	Upper
56	100		
69	141.9	25.3	37.9#
84	118.3	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 58.01 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022388.D

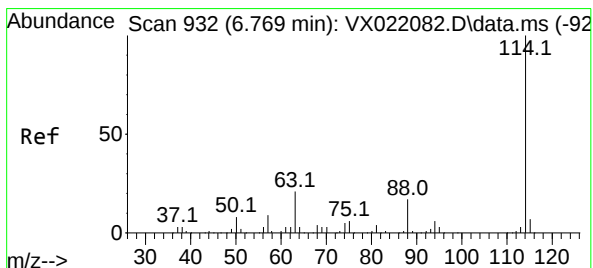
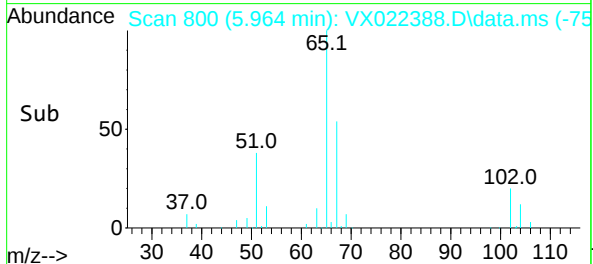
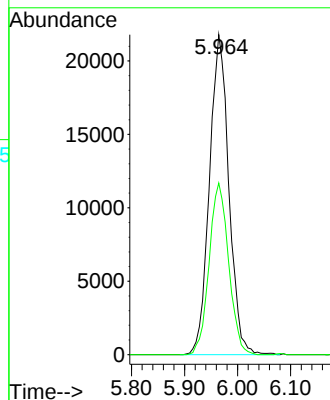
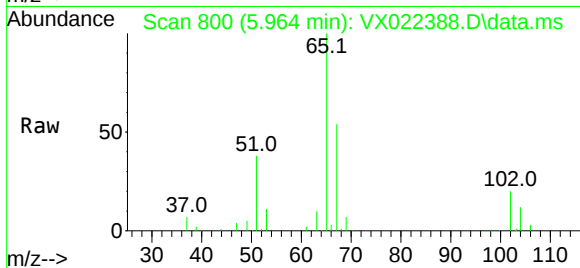
Acq: 04 Jun 2021 00:14

Tgt Ion: 65 Resp: 55467

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX022388.D

Acq: 04 Jun 2021 00:14

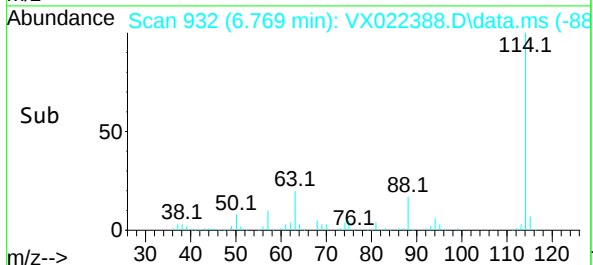
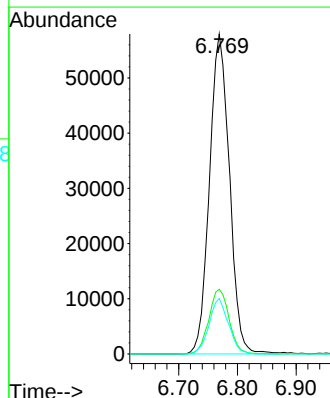
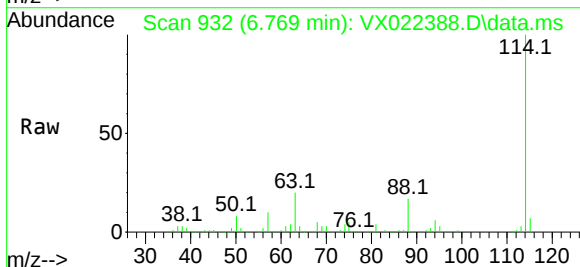
Tgt Ion: 114 Resp: 136856

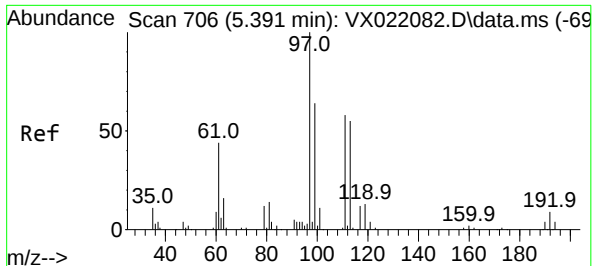
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 17.3 0.0 32.8

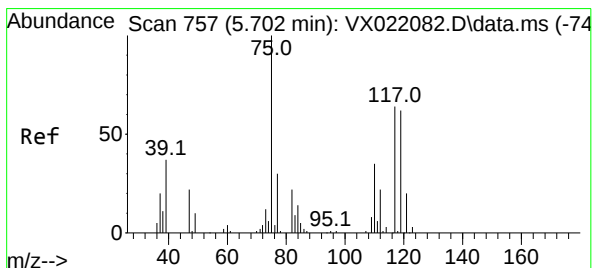
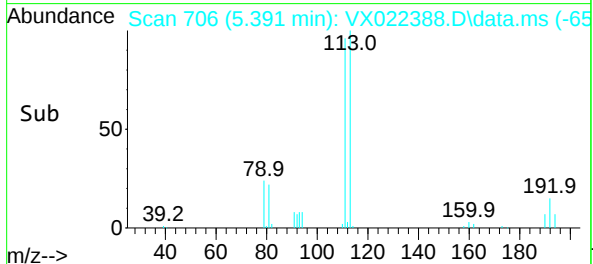
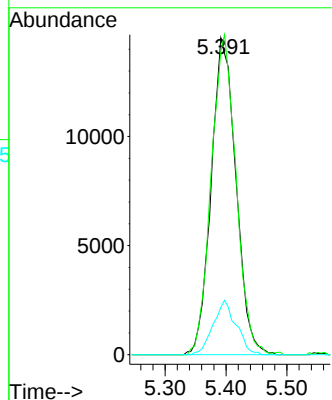
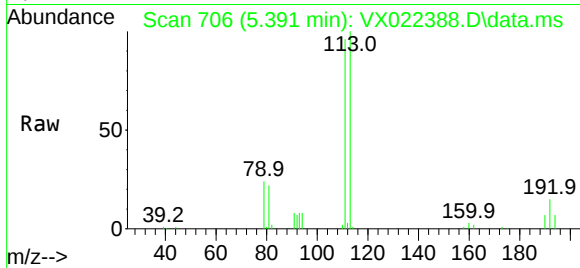




#35
Dibromofluoromethane
Concen: 47.28 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

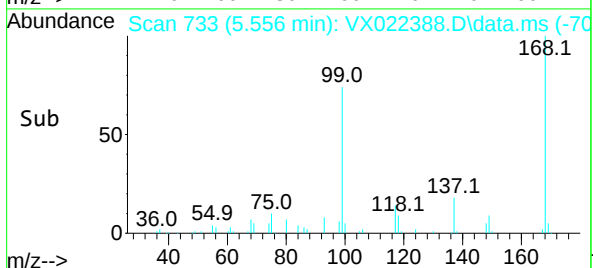
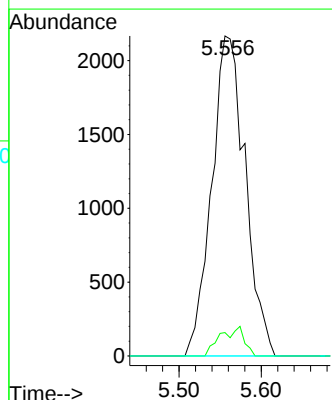
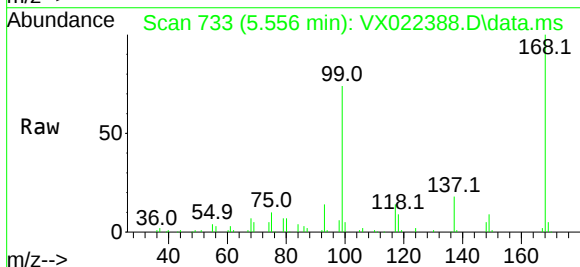
Instrument :
MSVOA_X
ClientSampleId :

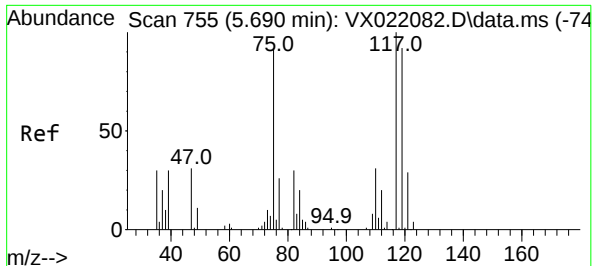
Tgt Ion:113 Resp: 41034
Ion Ratio Lower Upper
113 100
111 100.9 81.9 122.9
192 16.0 16.7 25.1#



#36
1,1-Dichloropropene
Concen: 4.85 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

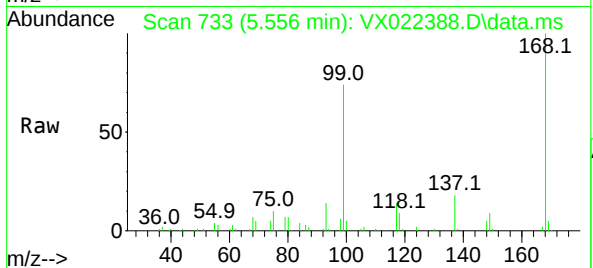
Tgt Ion: 75 Resp: 6139
Ion Ratio Lower Upper
75 100
110 6.5 18.1 54.4#
77 0.0 25.3 37.9#



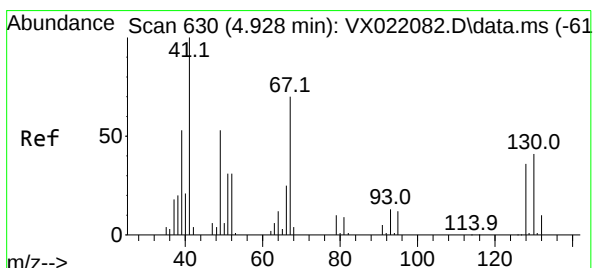
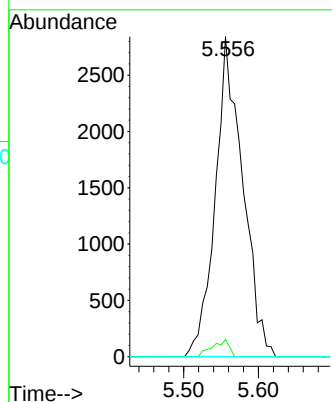
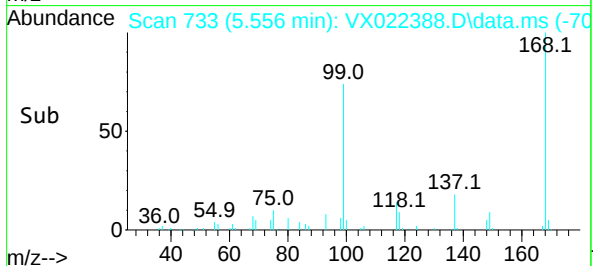


#38
Carbon Tetrachloride
Concen: 5.84 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

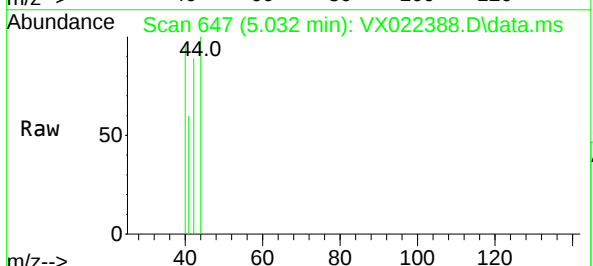
Instrument :
MSVOA_X
ClientSampleId :



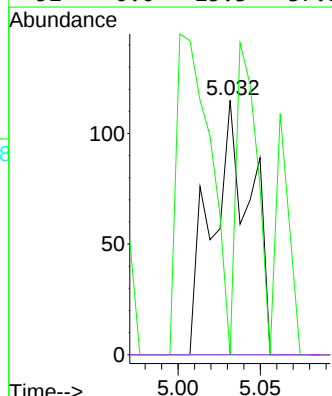
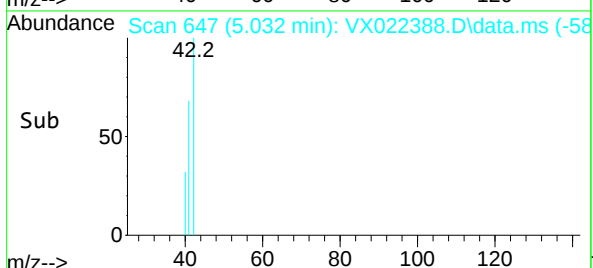
Tgt Ion:117 Resp: 7235
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.8 37.2#

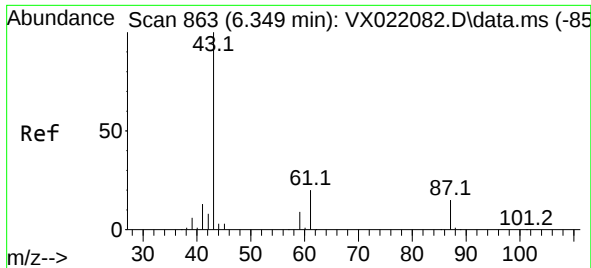


#41
Methacrylonitrile
Concen: 0.23 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14



Tgt Ion: 41 Resp: 189
Ion Ratio Lower Upper
41 100
39 65.6 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

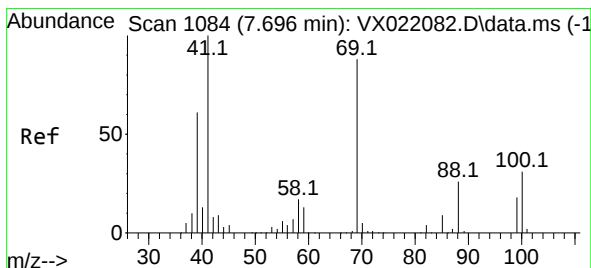
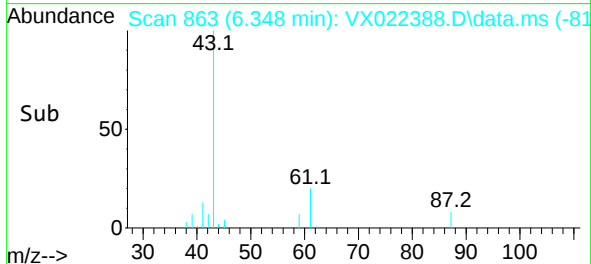
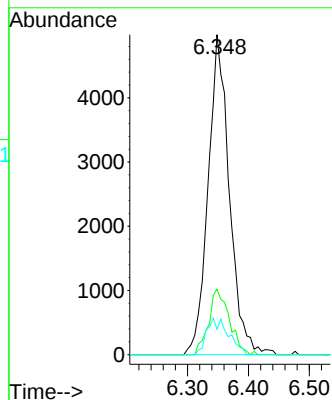
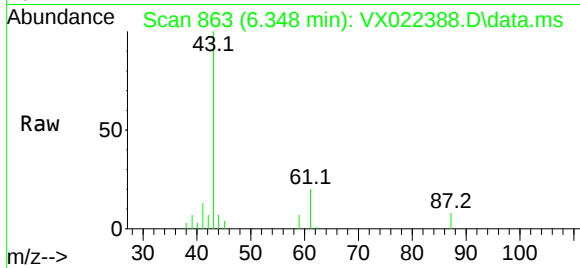




#43
Isopropyl Acetate
Concen: 4.77 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.001 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

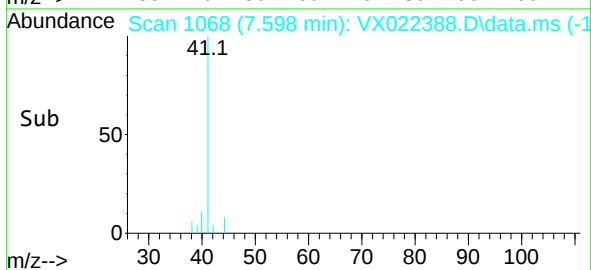
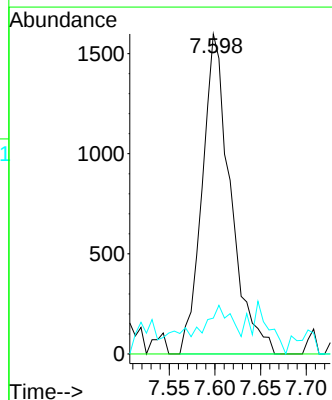
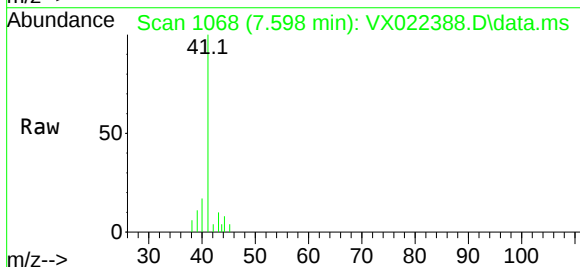
Instrument :
MSVOA_X
ClientSampleId :

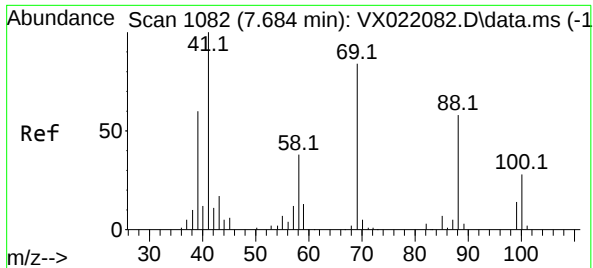
Tgt Ion: 43 Resp: 12106
Ion Ratio Lower Upper
43 100
61 19.9 18.2 27.4
87 11.7 12.5 18.7#



#48
Methyl methacrylate
Concen: 2.95 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

Tgt Ion: 41 Resp: 3450
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: 2.11 ug/l

RT: 7.812 min Scan# 1103

Delta R.T. 0.128 min

Lab File: VX022388.D

Acq: 04 Jun 2021 00:14

Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

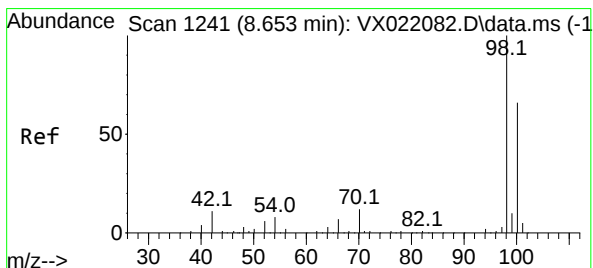
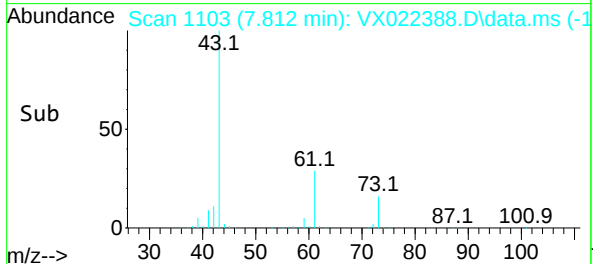
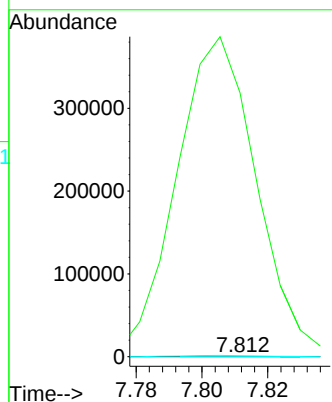
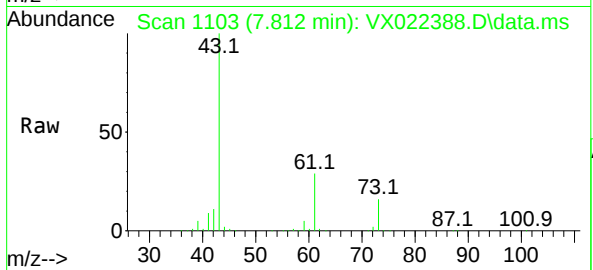
43 1383920.8 23.2 34.8#

58 5670.8 55.0 82.4#

Instrument :

MSVOA_X

ClientSampled :



#50

Toluene-d8

Concen: 49.81 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX022388.D

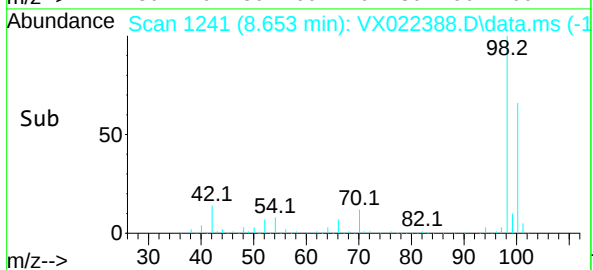
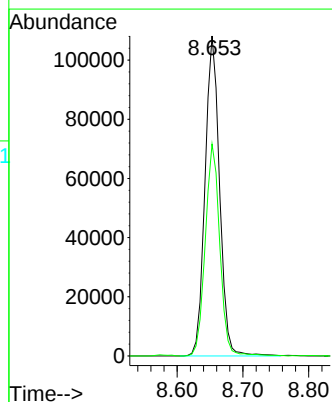
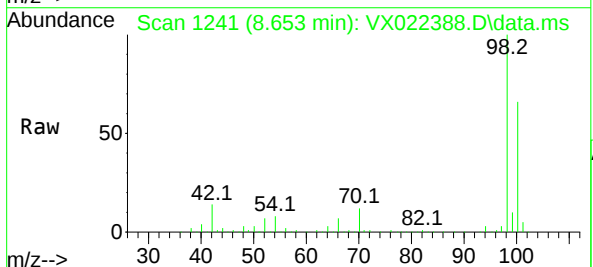
Acq: 04 Jun 2021 00:14

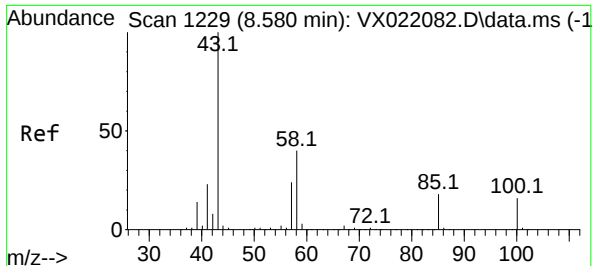
Tgt Ion: 98 Resp: 166513

Ion Ratio Lower Upper

98 100

100 66.2 51.9 77.9

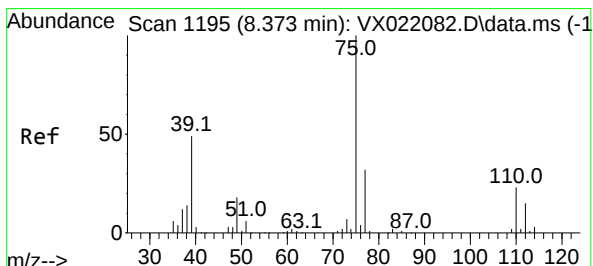
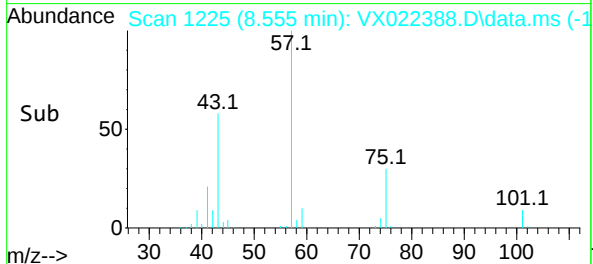
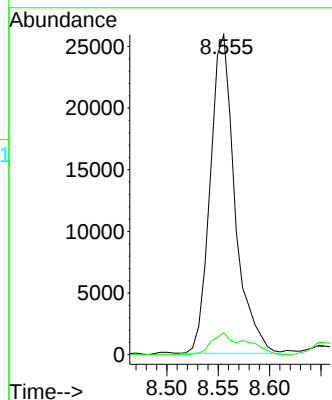
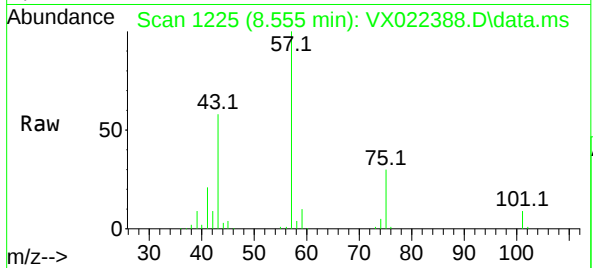




#51
4-Methyl-2-Pentanone
Concen: 28.40 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

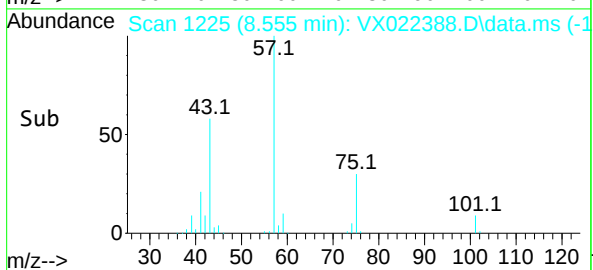
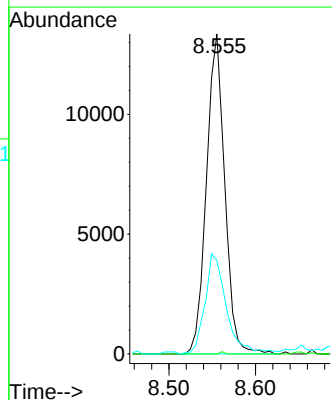
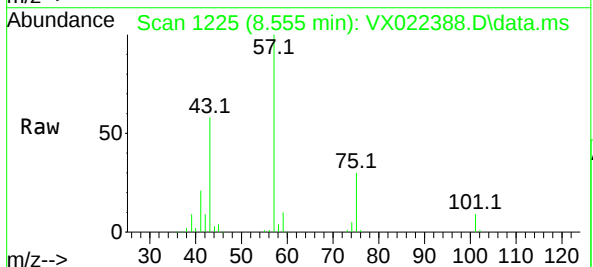
Instrument :
MSVOA_X
ClientSampled :

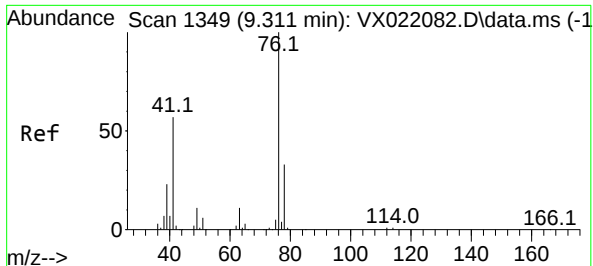
Tgt Ion: 43 Resp: 43163
Ion Ratio Lower Upper
43 100
58 9.4 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 11.73 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

Tgt Ion: 75 Resp: 19624
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 29.3 35.1 52.7#





#57

1,3-Dichloropropane

Concen: 6.44 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX022388.D

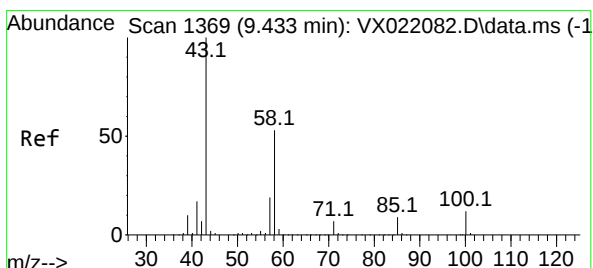
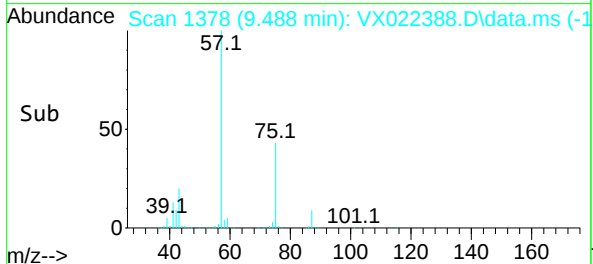
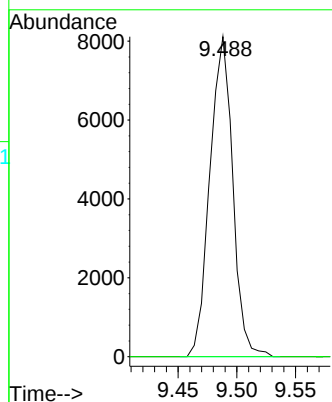
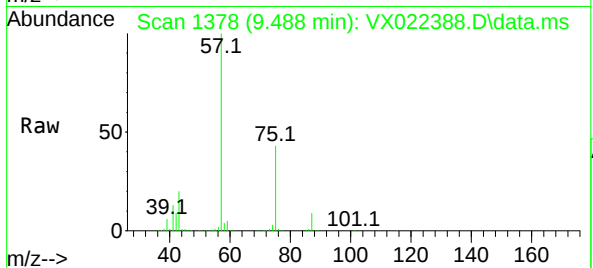
Acq: 04 Jun 2021 00:14

Tgt Ion: 76 Resp: 11006

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 135.08 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX022388.D

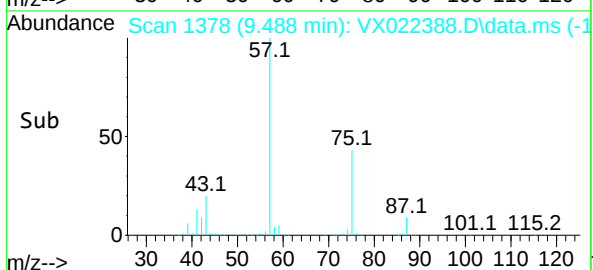
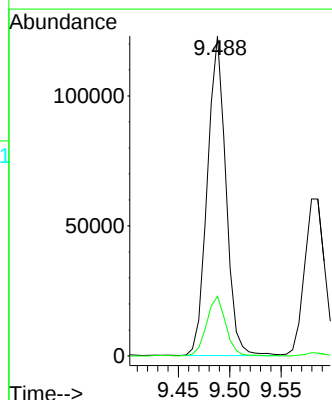
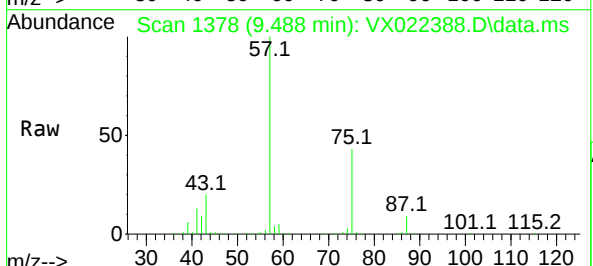
Acq: 04 Jun 2021 00:14

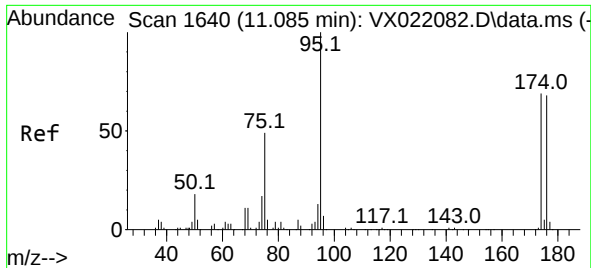
Tgt Ion: 43 Resp: 154419

Ion Ratio Lower Upper

43 100

58 19.3 30.9 92.8#

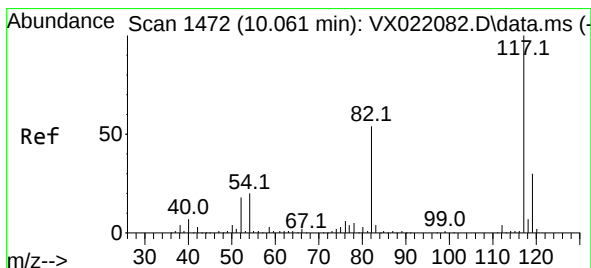
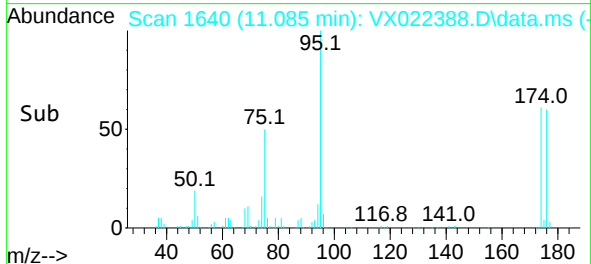
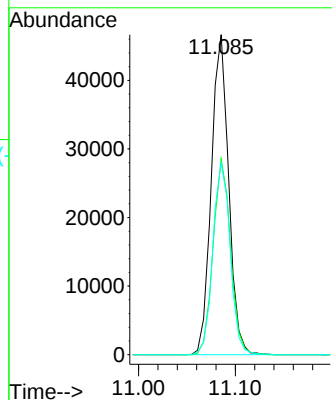
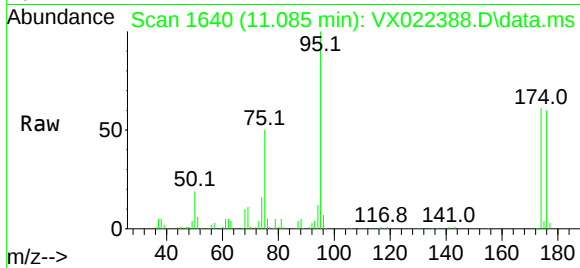




#62
4-Bromofluorobenzene
Concen: 47.04 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

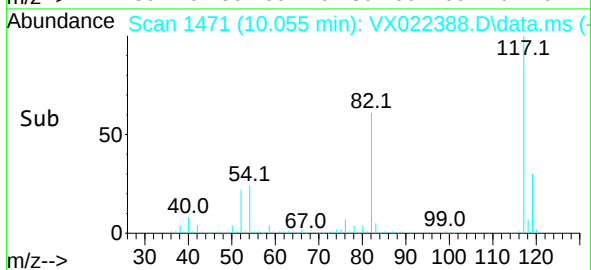
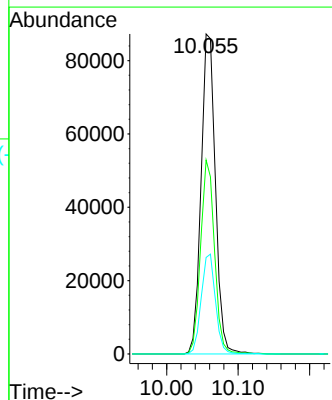
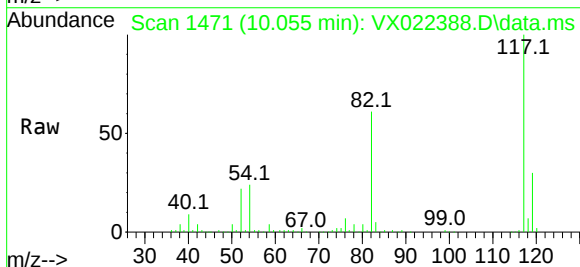
Instrument :
MSVOA_X
ClientSampled :

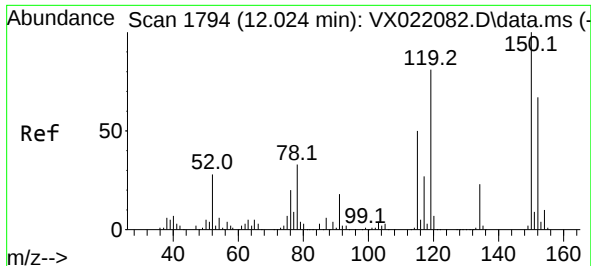
Tgt Ion: 95 Resp: 58128
Ion Ratio Lower Upper
95 100
174 61.5 0.0 154.6
176 59.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

Tgt Ion: 117 Resp: 121539
Ion Ratio Lower Upper
117 100
82 60.6 47.4 71.2
119 30.2 26.6 39.8

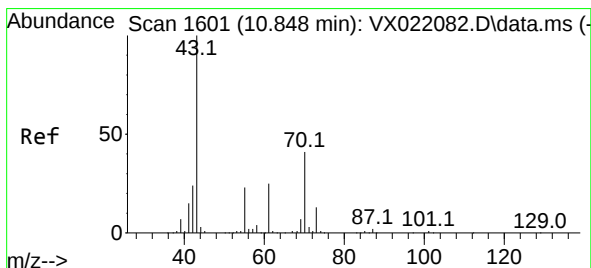
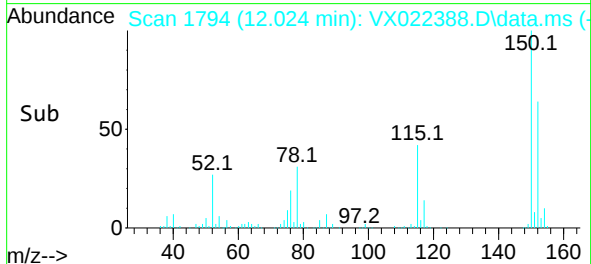
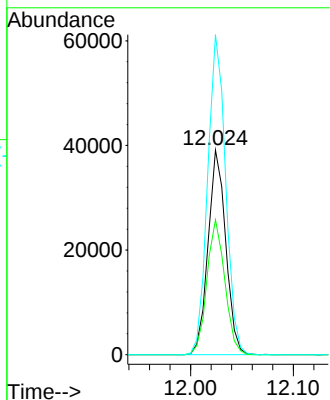
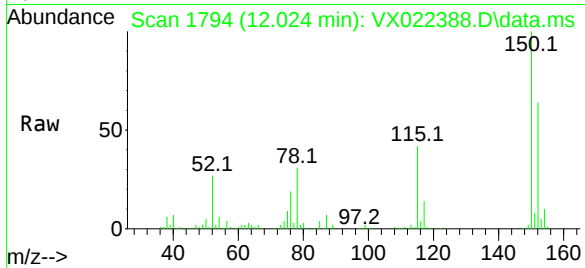




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

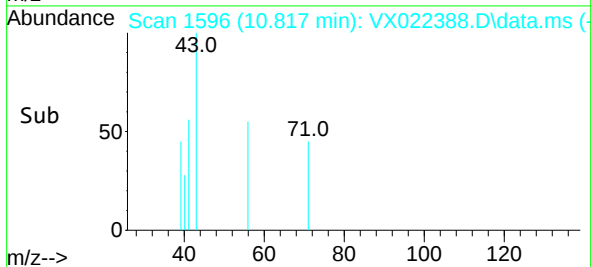
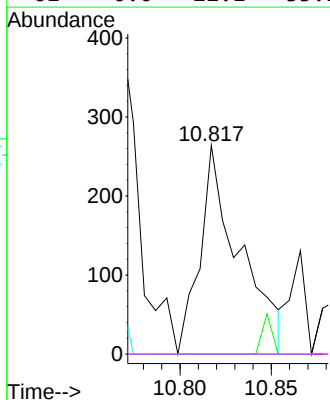
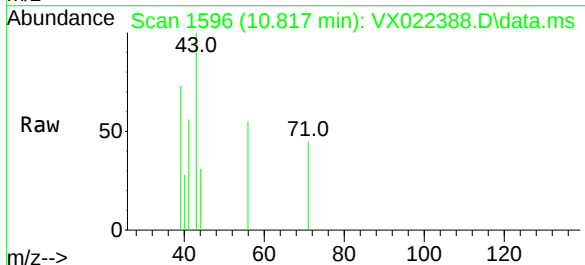
Instrument :
MSVOA_X
ClientSampled :

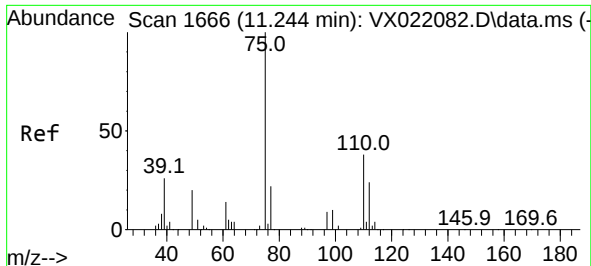
Tgt Ion:152 Resp: 46876
Ion Ratio Lower Upper
152 100
115 66.7 41.1 123.3
150 158.4 0.0 349.0



#74
N-ethyl acetate
Concen: 0.21 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.031 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

Tgt Ion: 43 Resp: 399
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#

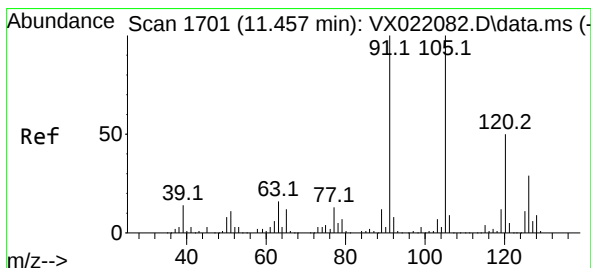
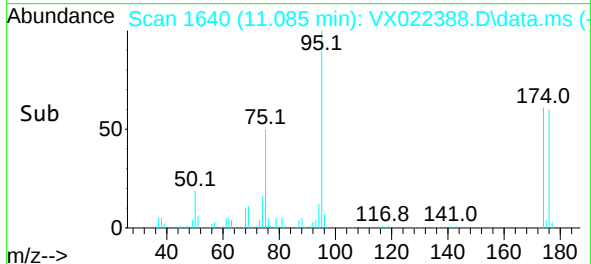
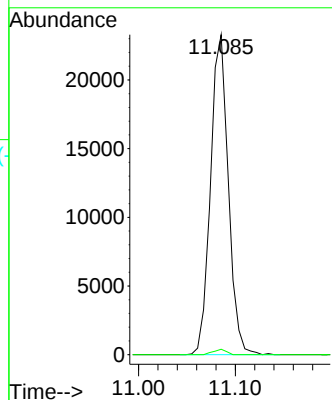
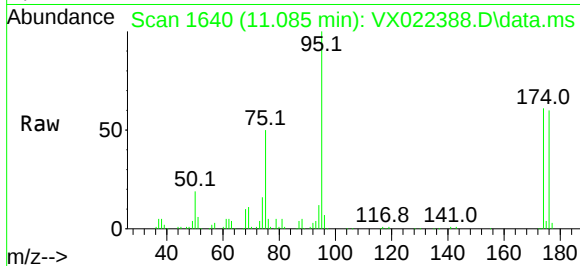




#76
1,2,3-Trichloropropane
Concen: 25.76 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

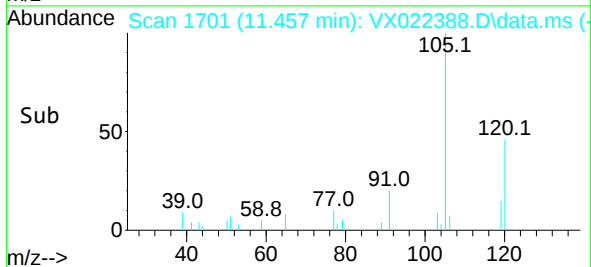
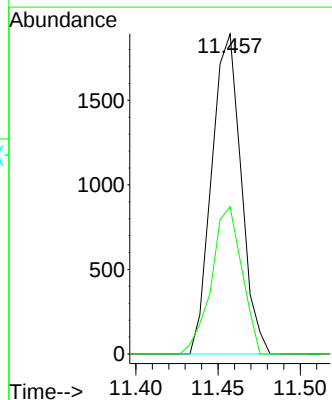
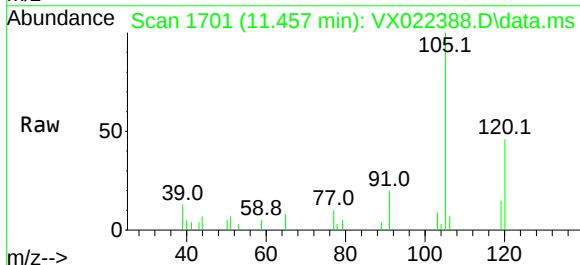
Instrument :
MSVOA_X
ClientSampled :

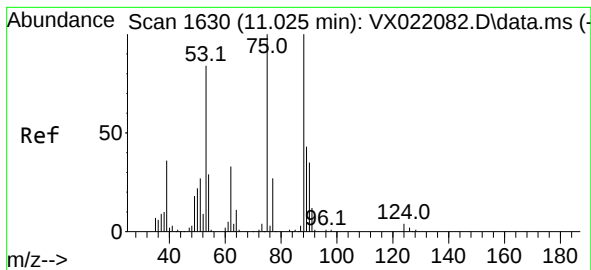
Tgt Ion: 75 Resp: 29795
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.72 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX022388.D
Acq: 04 Jun 2021 00:14

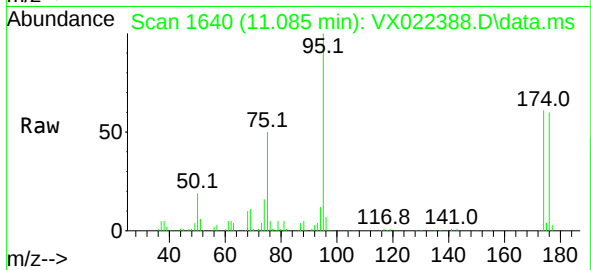
Tgt Ion: 105 Resp: 2353
Ion Ratio Lower Upper
105 100
120 47.6 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.05 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX022388.D
 Acq: 04 Jun 2021 00:14

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 29795
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.2 37.9 56.9#

