

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062521\
 Data File : VX022954.D
 Acq On : 26 Jun 2021 04:36
 Operator : JC/MD
 Sample : PB137293ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 26 07:37:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

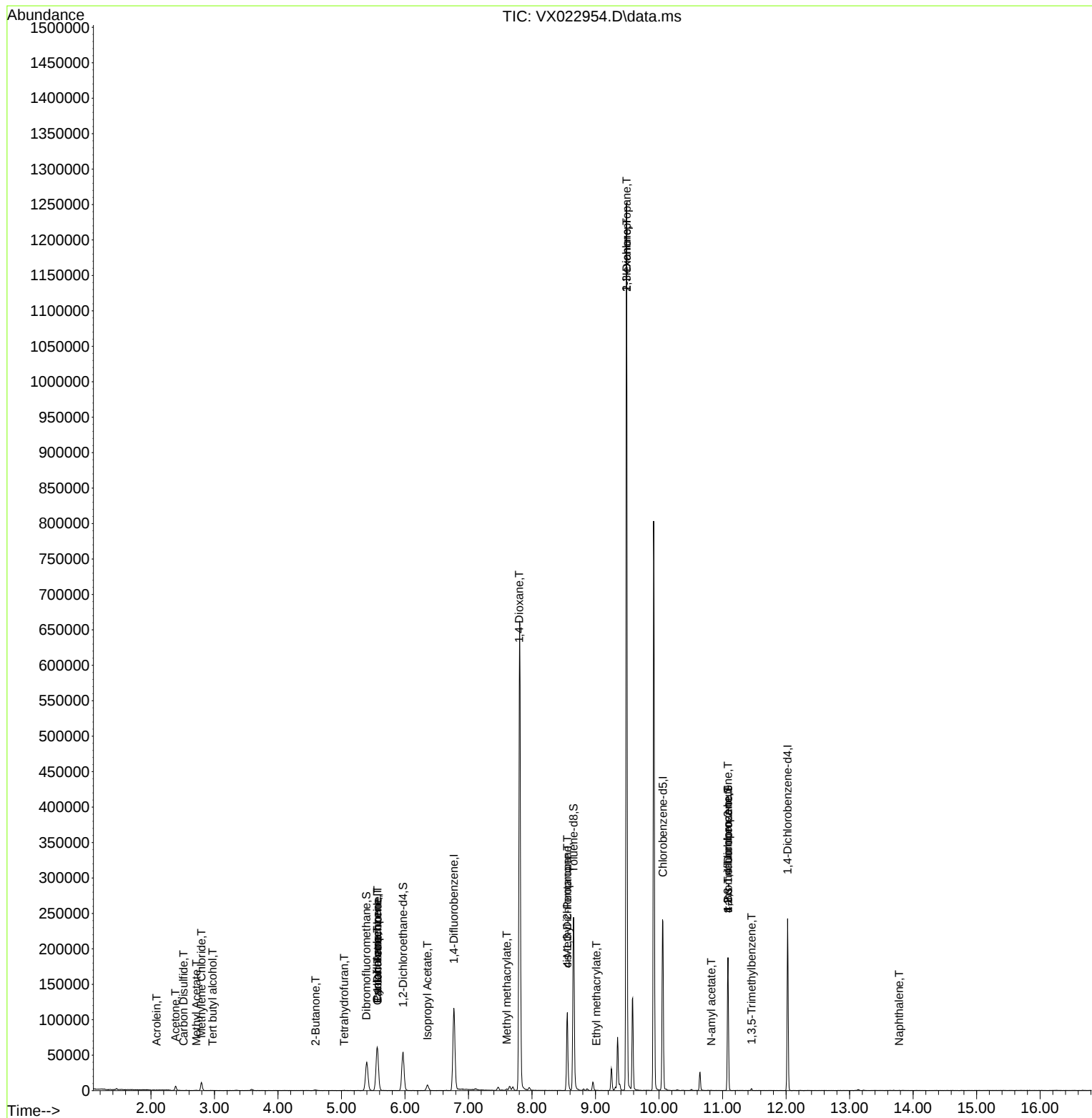
Internal Standards						
1) Pentafluorobenzene	5.562	168	47762	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	105929	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	103316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	40273	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	50591	58.37	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	116.74%		
35) Dibromofluoromethane	5.391	113	33166	49.30	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.60%		
50) Toluene-d8	8.653	98	138841	52.66	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	105.32%		
62) 4-Bromofluorobenzene	11.085	95	49152	49.96	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.92%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.971	59	52	0.29	ug/l	# 73
13) Acrolein	2.087	56	23	0.20	ug/l	# 14
16) Acetone	2.386	43	6564	17.08	ug/l	97
17) Carbon Disulfide	2.514	76	57	3.55	ug/l	# 75
18) Methyl Acetate	2.715	43	503	0.53	ug/l	# 47
20) Methylene Chloride	2.794	84	4744	6.55	ug/l	# 86
25) 2-Butanone	4.593	43	1291	2.16	ug/l	# 76
29) Tetrahydrofuran	5.044	42	387	1.01	ug/l	# 27
31) Cyclohexane	5.562	56	1546	1.26	ug/l	# 25
36) 1,1-Dichloropropene	5.562	75	5436	4.83	ug/l	# 45
38) Carbon Tetrachloride	5.568	117	6117	6.48	ug/l	# 16
43) Isopropyl Acetate	6.354	43	10565	5.04	ug/l	# 90
48) Methyl methacrylate	7.604	41	2581	2.66	ug/l	# 10
49) 1,4-Dioxane	7.799	88	29	1.39	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	38826	29.77	ug/l	# 44
54) cis-1,3-Dichloropropene	8.555	75	16471	13.56	ug/l	# 66
56) Ethyl methacrylate	9.012	69	70	2.62	ug/l	# 29
57) 1,3-Dichloropropane	9.488	76	9728	6.80	ug/l	# 42
59) 2-Hexanone	9.488	43	144770	146.33	ug/l	# 43
74) N-amyl acetate	10.823	43	226	2.17	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	26949	25.33	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.457	105	1417	0.51	ug/l	87
81) trans-1,4-Dichloro-2-b...	11.085	75	26949	66.03	ug/l	# 12
95) Naphthalene	13.780	128	132	1.96	ug/l	# 69

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

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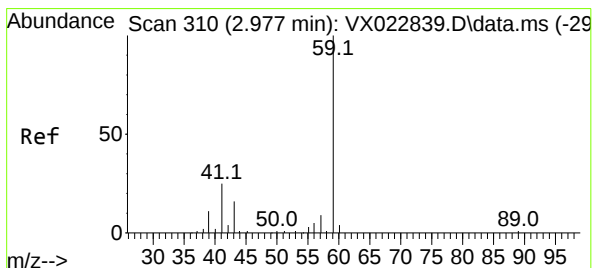
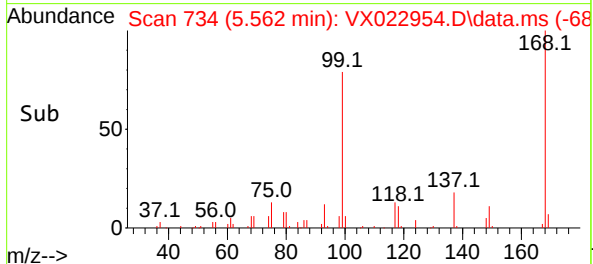
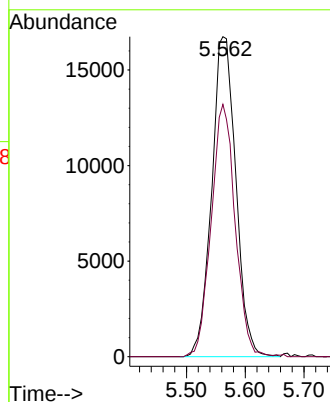
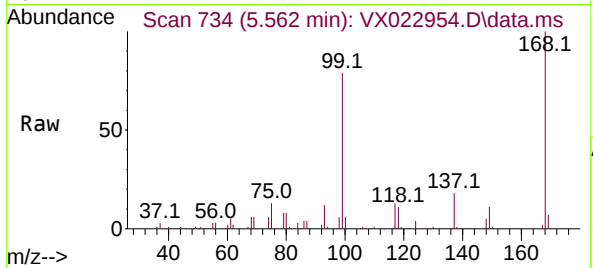




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

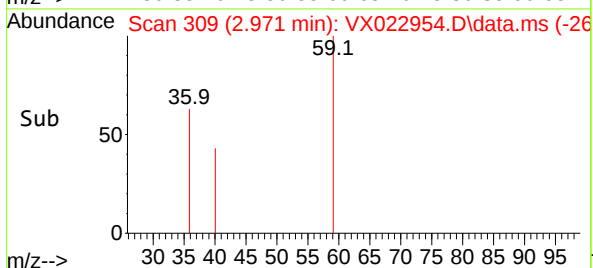
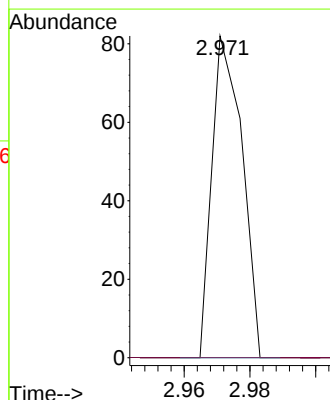
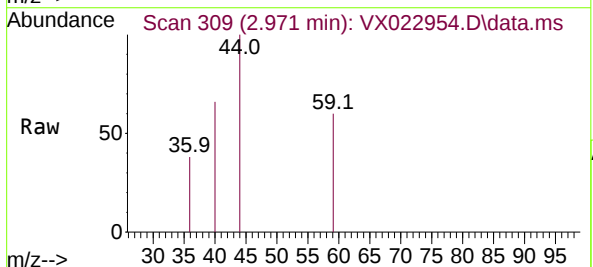
Instrument :
MSVOA_X
ClientSampleId :

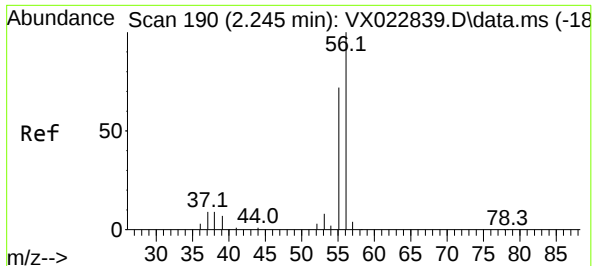
Tgt Ion:168 Resp: 47762
Ion Ratio Lower Upper
168 100
99 78.8 45.8 68.6#



#11
Tert butyl alcohol
Concen: 0.29 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

Tgt Ion: 59 Resp: 52
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

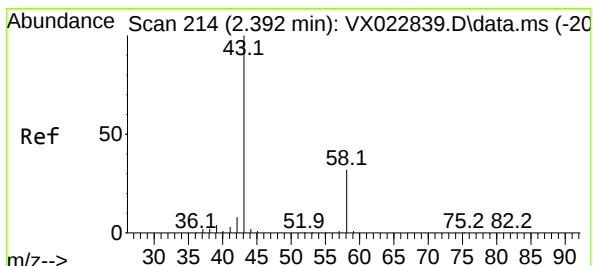
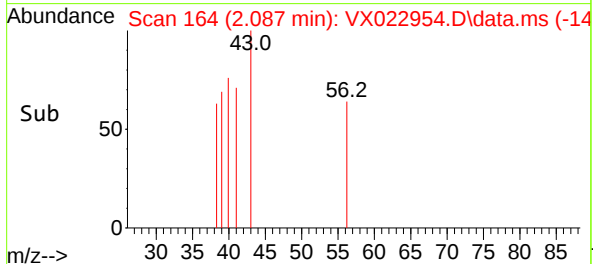
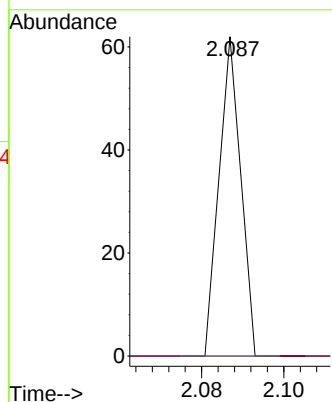
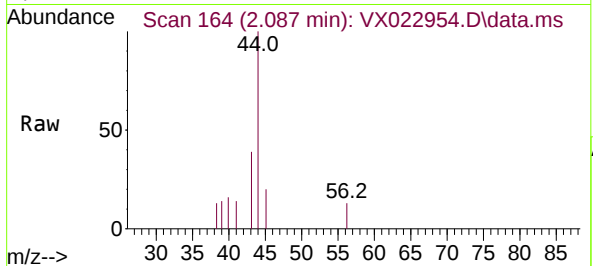




#13
Acrolein
Concen: 0.20 ug/l
RT: 2.087 min Scan# 164
Delta R.T. -0.158 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

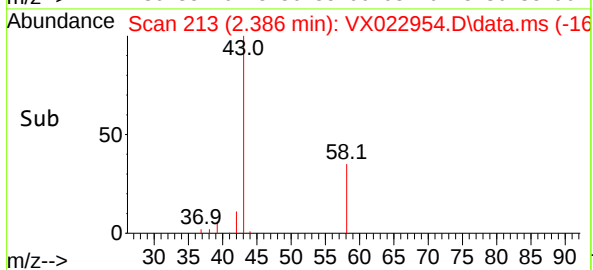
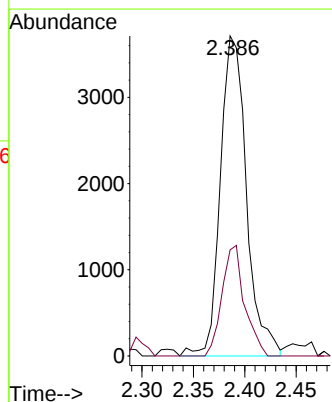
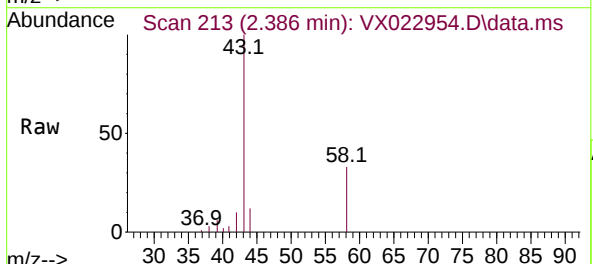
Instrument :
MSVOA_X
ClientSampled :

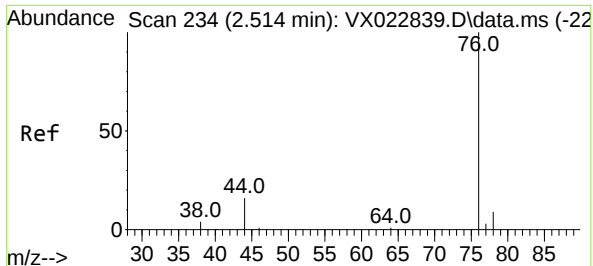
Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 17.08 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

Tgt Ion: 43 Resp: 6564
Ion Ratio Lower Upper
43 100
58 33.2 27.8 41.8

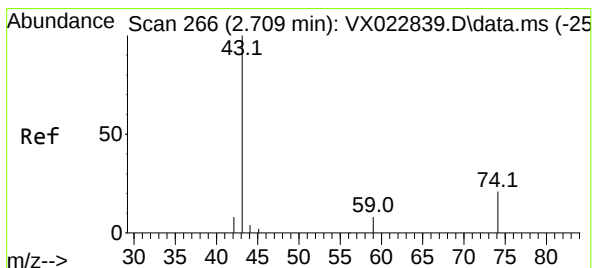
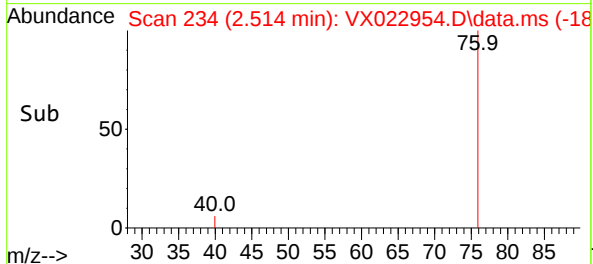
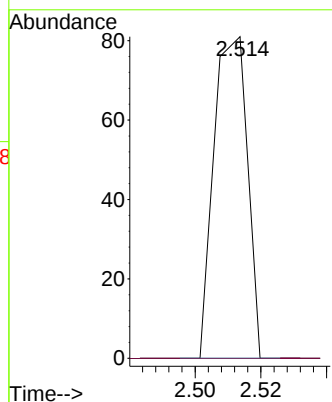
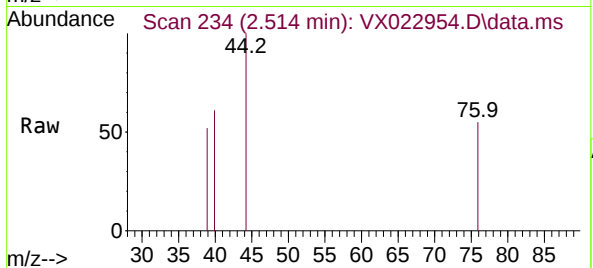




#17
Carbon Disulfide
Concen: 3.55 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

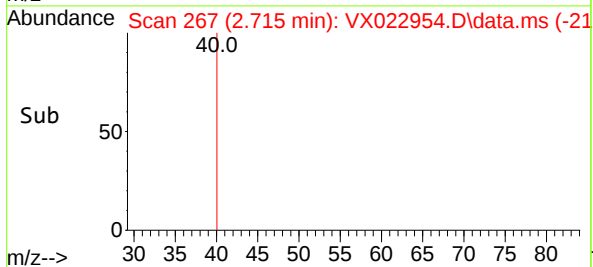
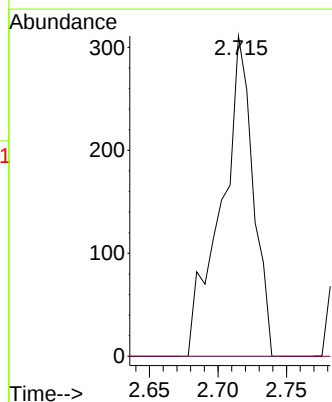
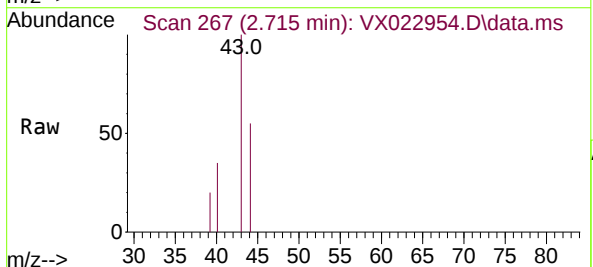
Instrument :
MSVOA_X
ClientSampled :

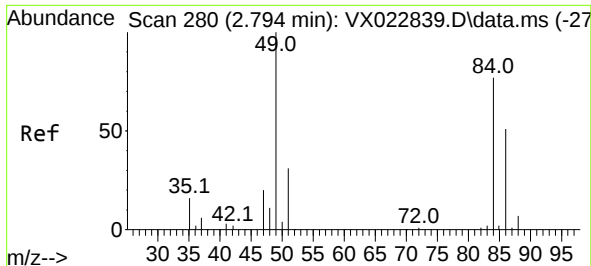
Tgt Ion: 76 Resp: 57
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.53 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 6.55 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX022954.D

Acq: 26 Jun 2021 04:36

Tgt Ion: 84 Resp: 4744

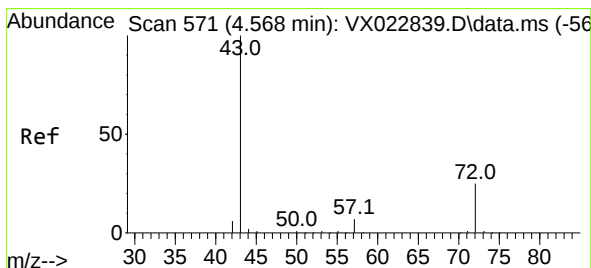
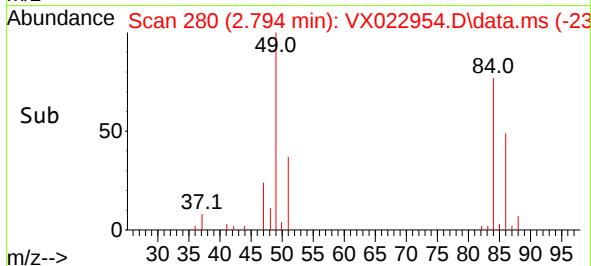
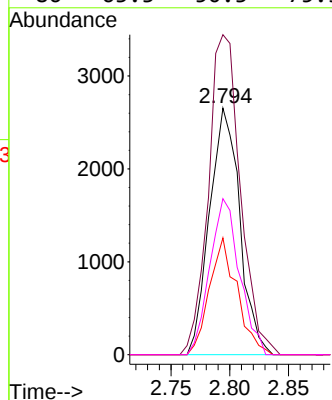
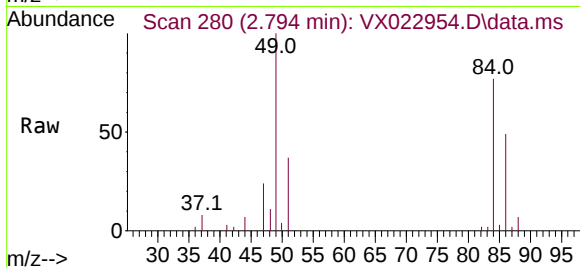
Ion Ratio Lower Upper

84 100

49 129.8 88.6 132.8

51 47.4 27.0 40.6#

86 63.3 50.3 75.5



#25

2-Butanone

Concen: 2.16 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.025 min

Lab File: VX022954.D

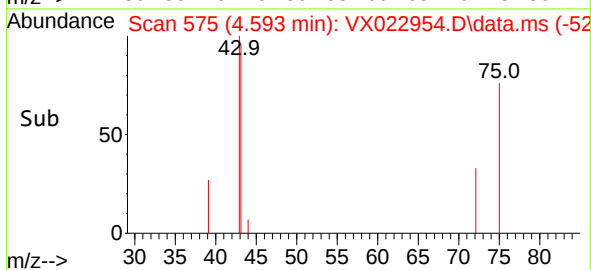
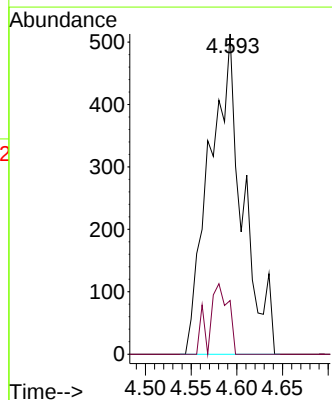
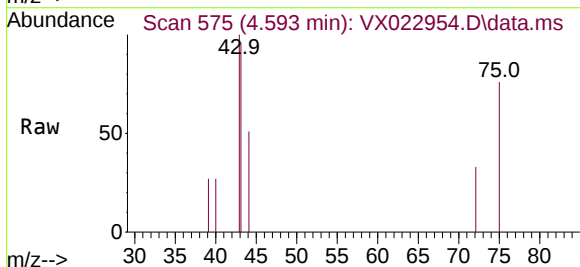
Acq: 26 Jun 2021 04:36

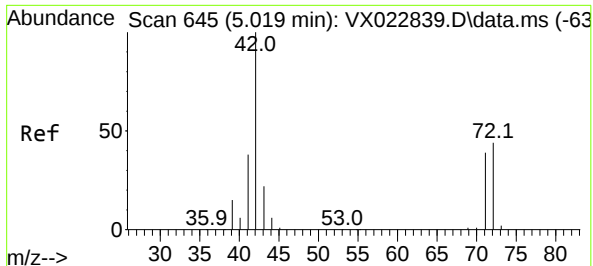
Tgt Ion: 43 Resp: 1291

Ion Ratio Lower Upper

43 100

72 16.8 23.7 35.5#





#29

Tetrahydrofuran

Concen: 1.01 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.025 min

Lab File: VX022954.D

Acq: 26 Jun 2021 04:36

Tgt Ion: 42 Resp: 387

Ion Ratio Lower Upper

42 100

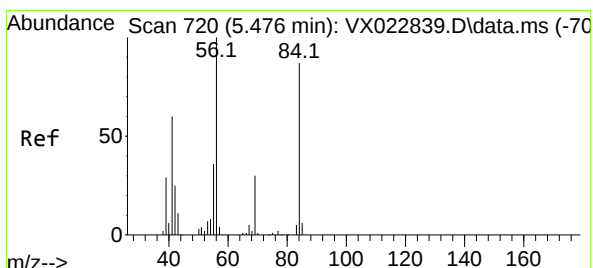
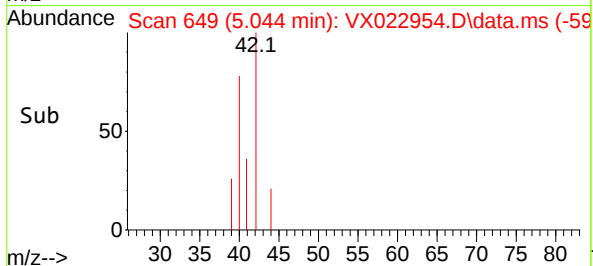
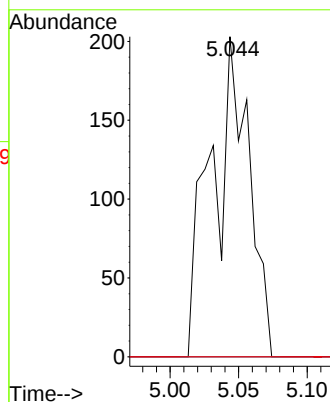
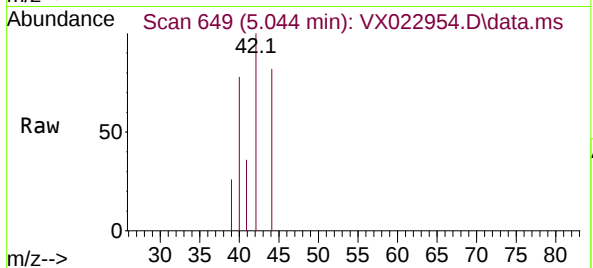
72 0.0 41.7 62.5#

71 0.0 38.4 57.6#

Instrument :

MSVOA_X

ClientSampled :



#31

Cyclohexane

Concen: 1.26 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.086 min

Lab File: VX022954.D

Acq: 26 Jun 2021 04:36

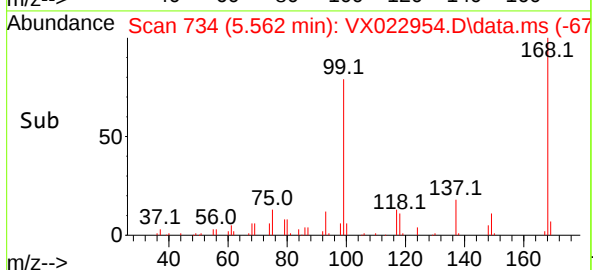
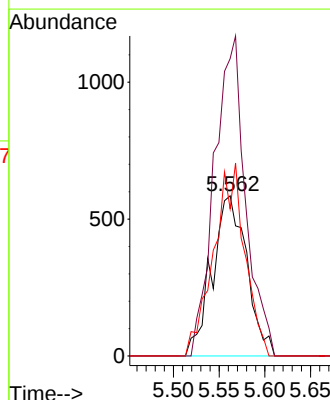
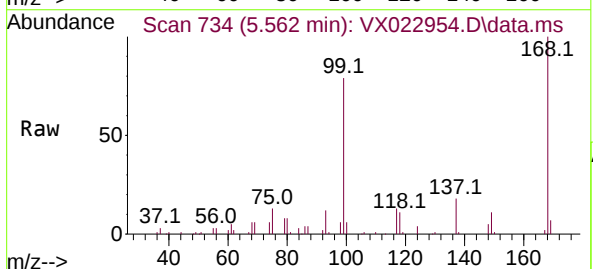
Tgt Ion: 56 Resp: 1546

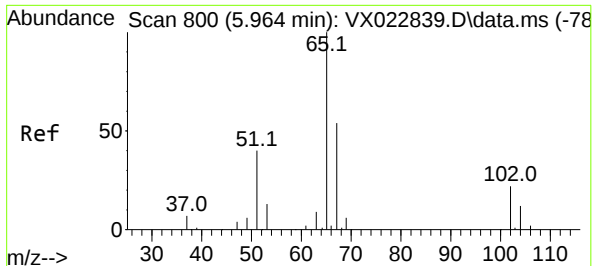
Ion Ratio Lower Upper

56 100

69 185.6 25.3 37.9#

84 92.0 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 58.37 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX022954.D

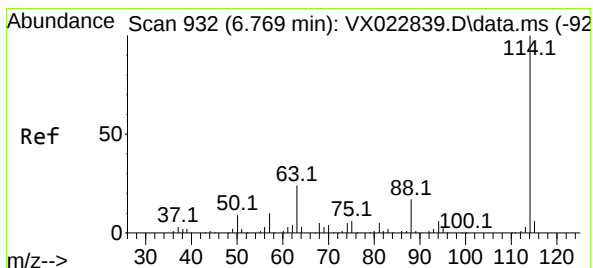
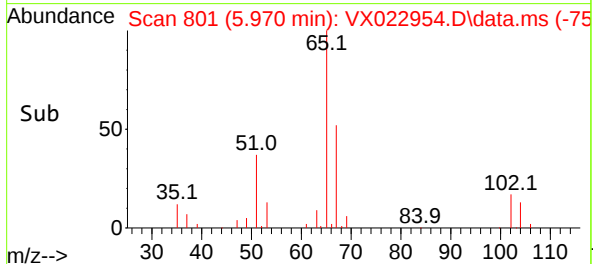
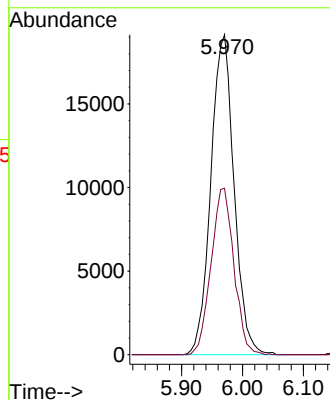
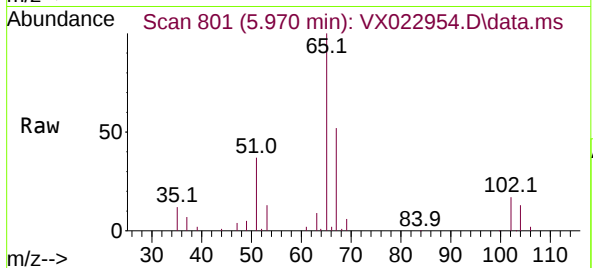
Acq: 26 Jun 2021 04:36

Tgt Ion: 65 Resp: 50591

Ion Ratio Lower Upper

65 100

67 51.2 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: VX022954.D

Acq: 26 Jun 2021 04:36

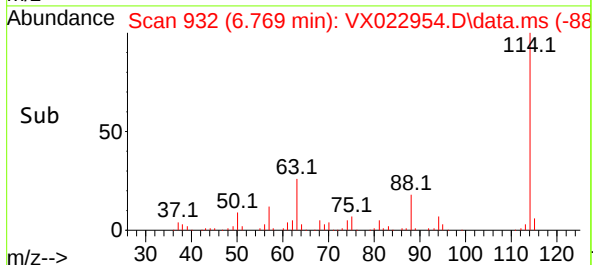
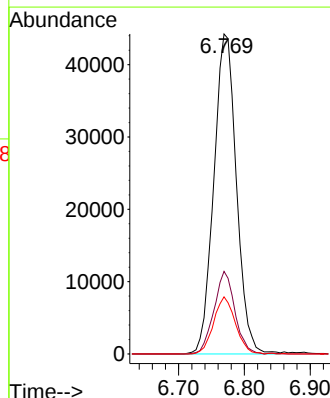
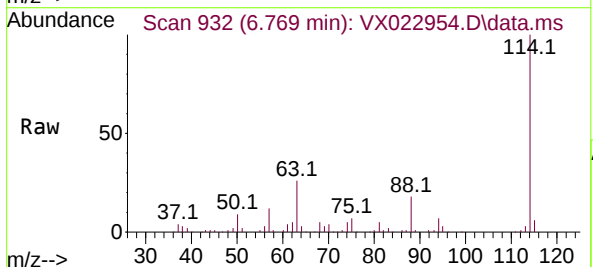
Tgt Ion: 114 Resp: 105929

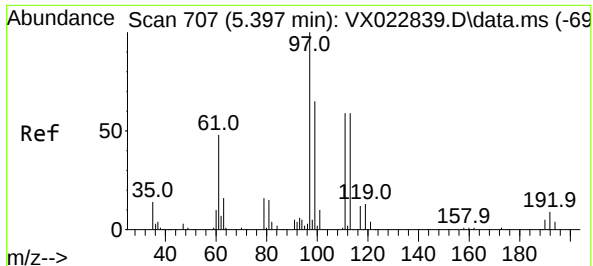
Ion Ratio Lower Upper

114 100

63 25.8 0.0 40.8

88 17.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.30 ug/l

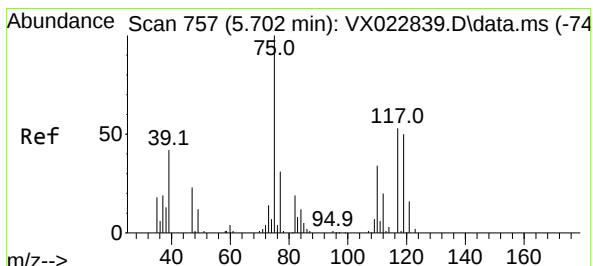
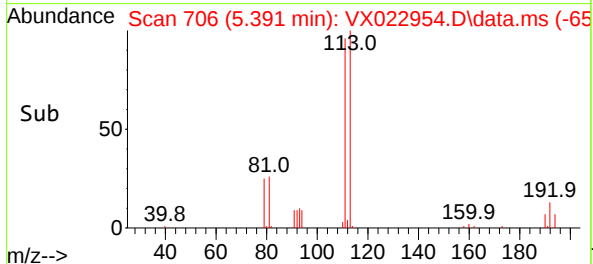
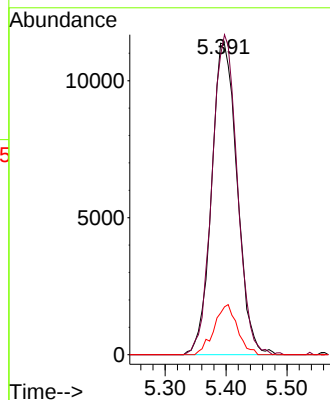
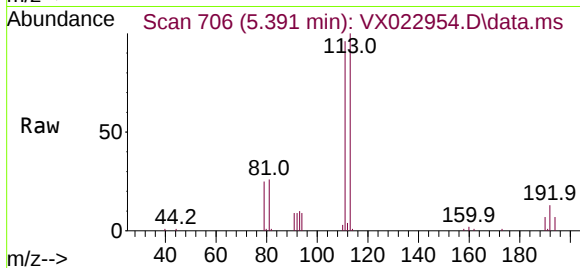
RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX022954.D

Acq: 26 Jun 2021 04:36

Tgt Ion:	113	Resp:	33166
Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.9	122.9
192	14.6	16.7	25.1#



#36

1,1-Dichloropropene

Concen: 4.83 ug/l

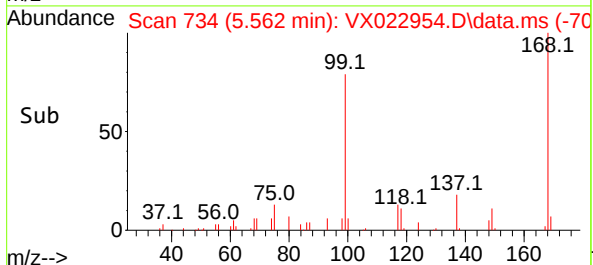
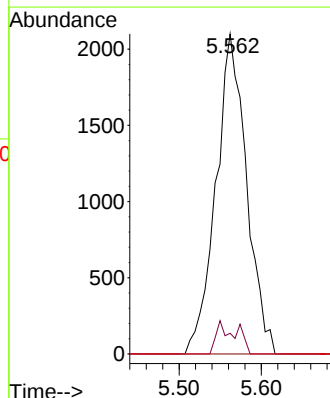
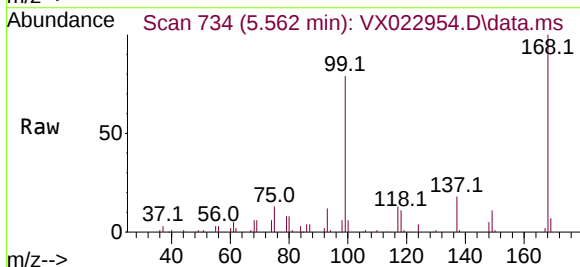
RT: 5.562 min Scan# 734

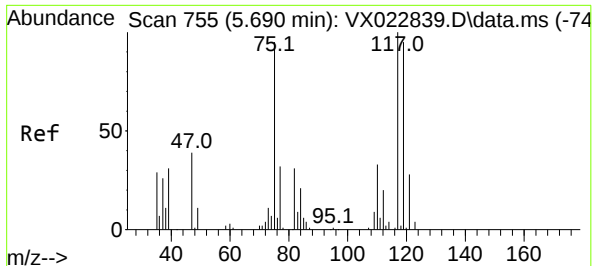
Delta R.T. -0.140 min

Lab File: VX022954.D

Acq: 26 Jun 2021 04:36

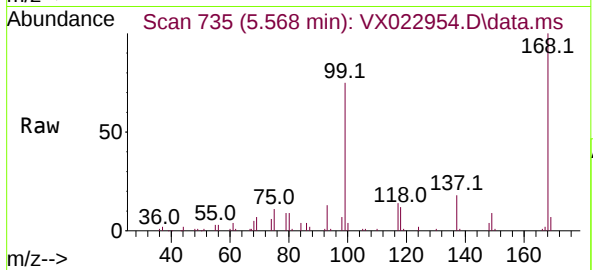
Tgt Ion:	75	Resp:	5436
Ion	Ratio	Lower	Upper
75	100		
110	4.6	18.1	54.4#
77	0.0	25.3	37.9#



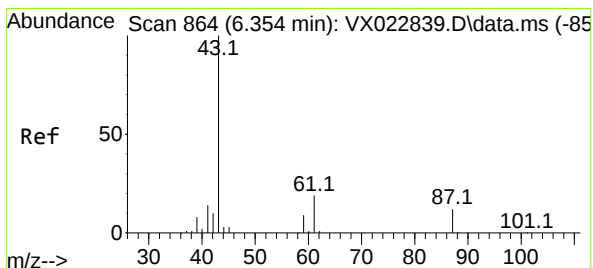
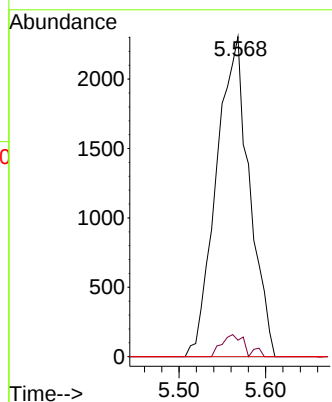
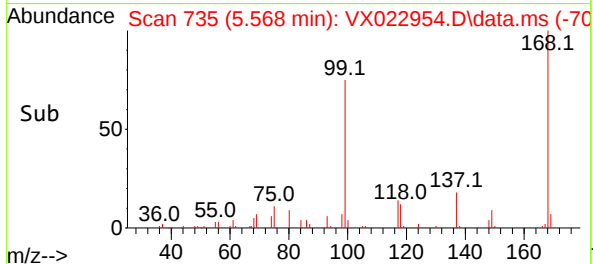


#38
Carbon Tetrachloride
Concen: 6.48 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

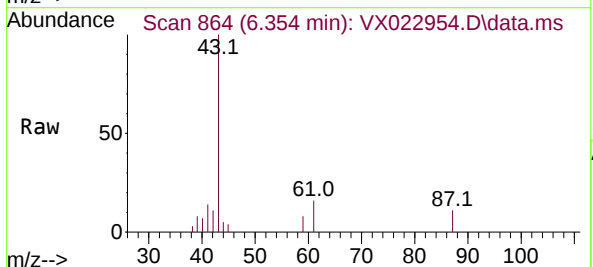
Instrument :
MSVOA_X
ClientSampled :



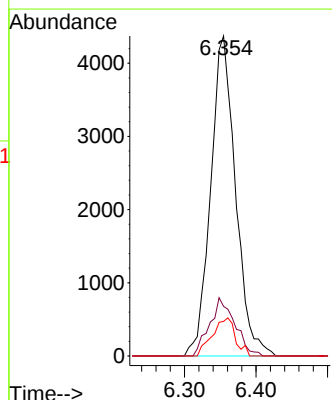
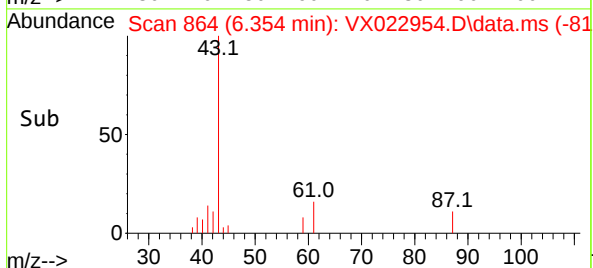
Tgt Ion:117 Resp: 6117
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#

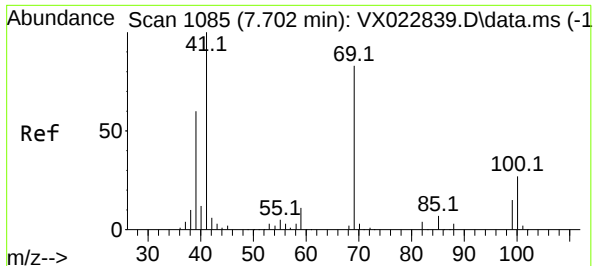


#43
Isopropyl Acetate
Concen: 5.04 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36



Tgt Ion: 43 Resp: 10565
Ion Ratio Lower Upper
43 100
61 18.5 18.2 27.4
87 11.0 12.5 18.7#





#48

Methyl methacrylate

Concen: 2.66 ug/l

RT: 7.604 min Scan# 1069

Delta R.T. -0.098 min

Lab File: VX022954.D

Acq: 26 Jun 2021 04:36

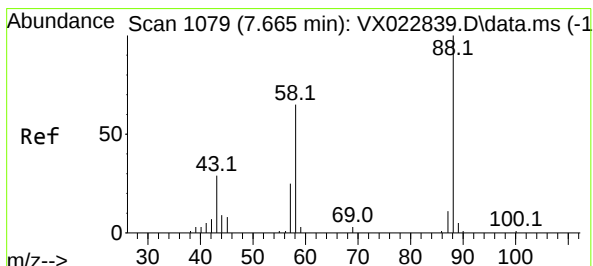
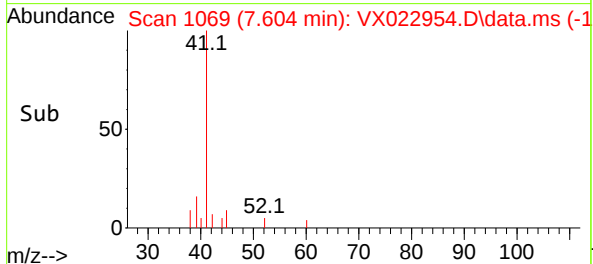
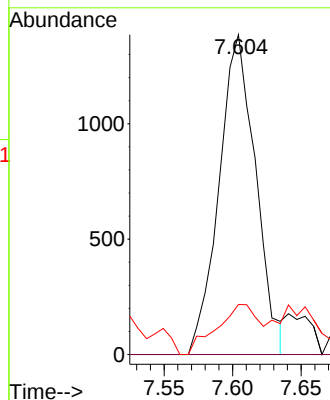
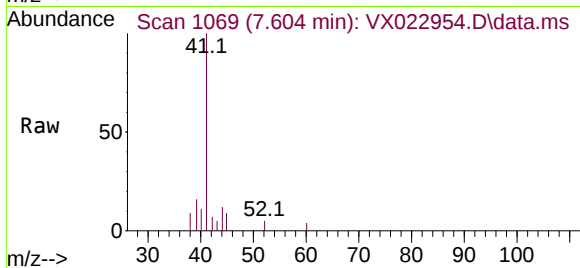
Tgt Ion: 41 Resp: 2581

Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 0.0 44.6 67.0#



#49

1,4-Dioxane

Concen: 1.39 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX022954.D

Acq: 26 Jun 2021 04:36

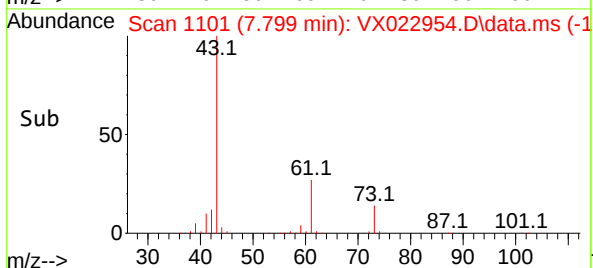
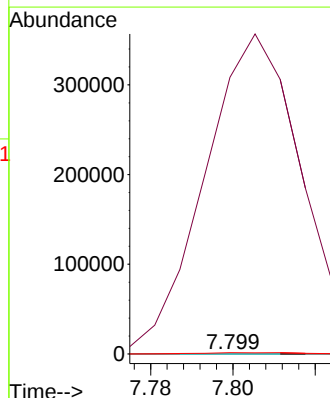
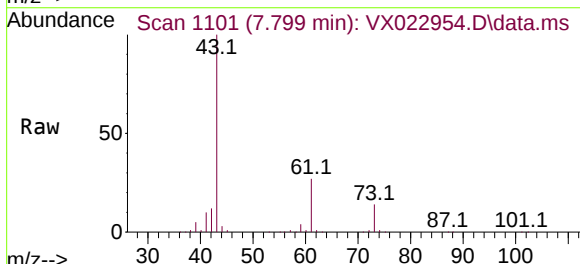
Tgt Ion: 88 Resp: 29

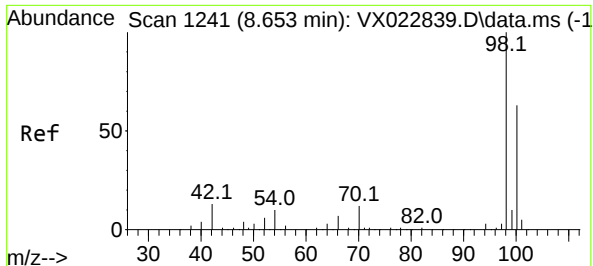
Ion Ratio Lower Upper

88 100

43 2082775.9 23.2 34.8#

58 9044.8 55.0 82.4#

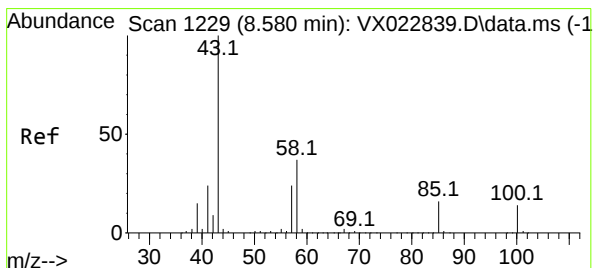
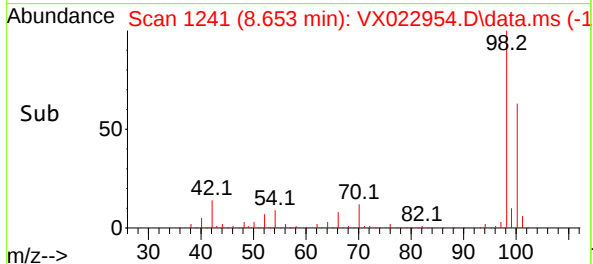
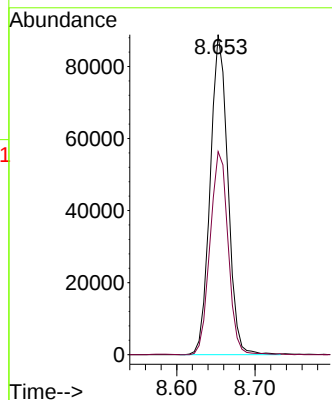
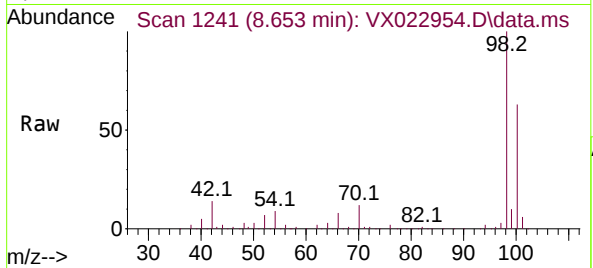




#50
Toluene-d8
Concen: 52.66 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

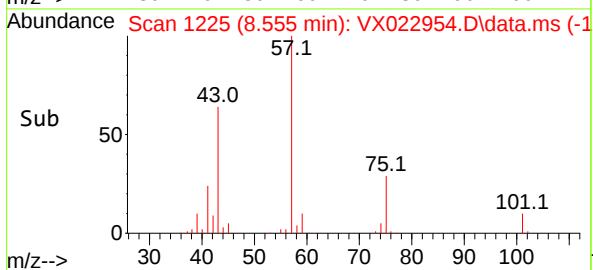
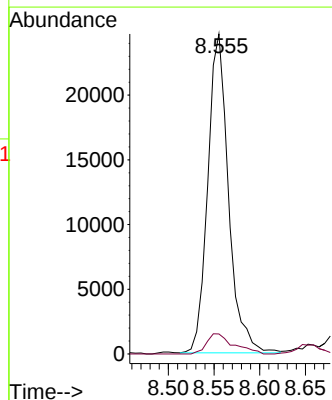
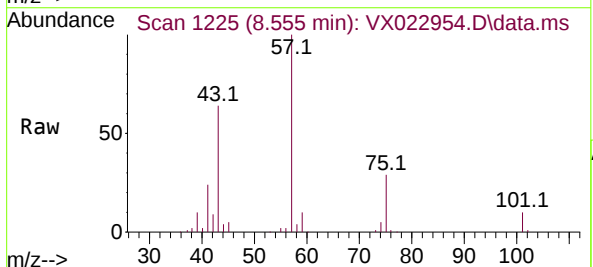
Instrument :
MSVOA_X
ClientSampled :

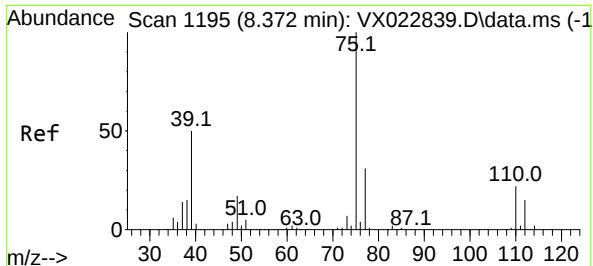
Tgt Ion: 98 Resp: 138841
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 29.77 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

Tgt Ion: 43 Resp: 38826
Ion Ratio Lower Upper
43 100
58 8.2 35.4 53.0#

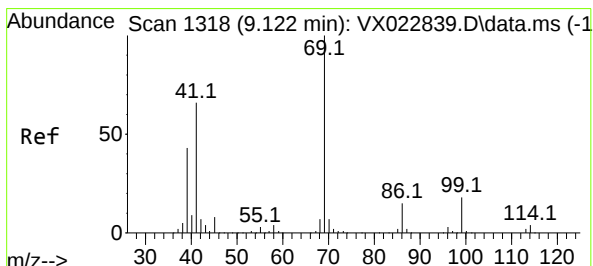
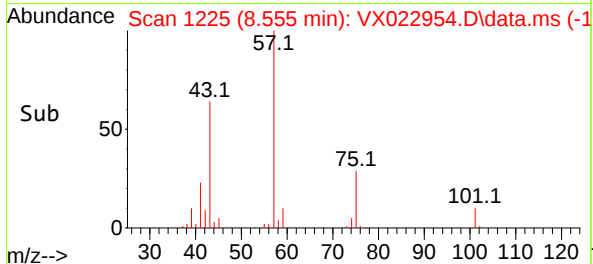
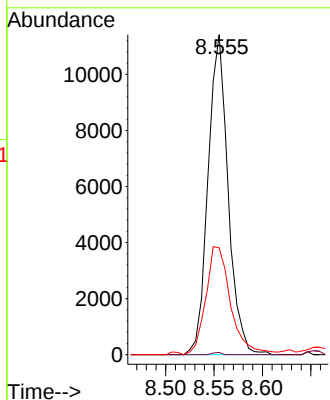
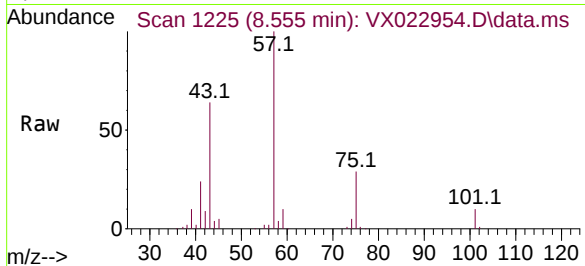




#54
cis-1,3-Dichloropropene
Concen: 13.56 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

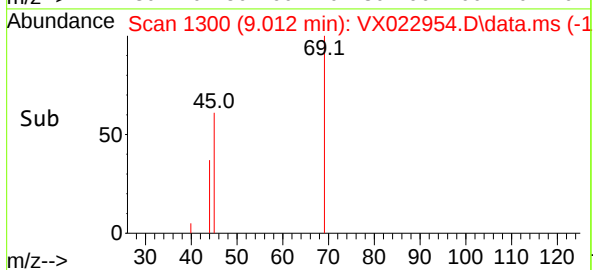
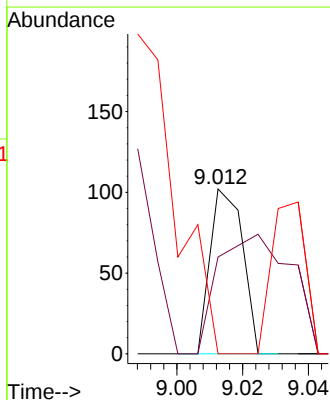
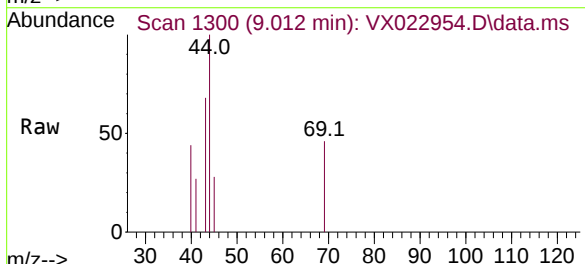
Instrument :
MSVOA_X
ClientSampled :

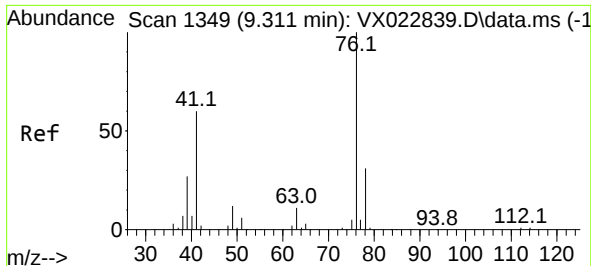
Tgt Ion: 75 Resp: 16471
Ion Ratio Lower Upper
75 100
77 0.7 25.7 38.5#
39 32.7 35.1 52.7#



#56
Ethyl methacrylate
Concen: 2.62 ug/l
RT: 9.012 min Scan# 1300
Delta R.T. -0.110 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

Tgt Ion: 69 Resp: 70
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#



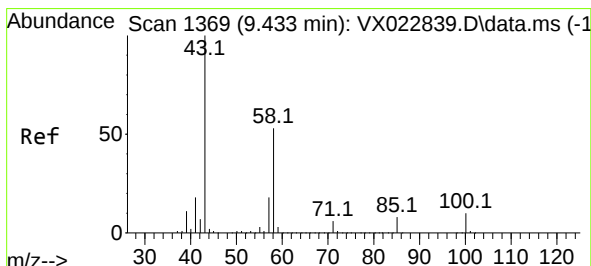
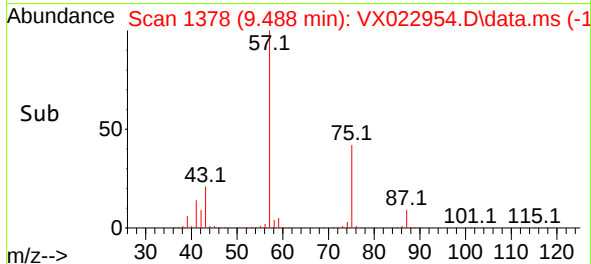
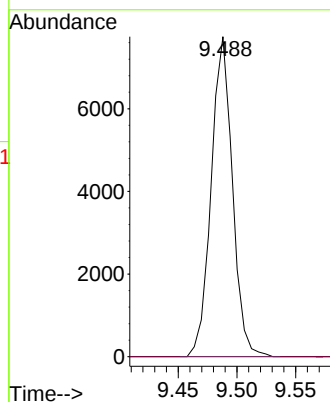
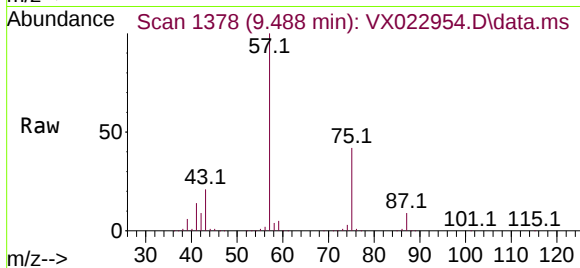


#57

1,3-Dichloropropane
Concen: 6.80 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

Instrument :
MSVOA_X
ClientSampled :

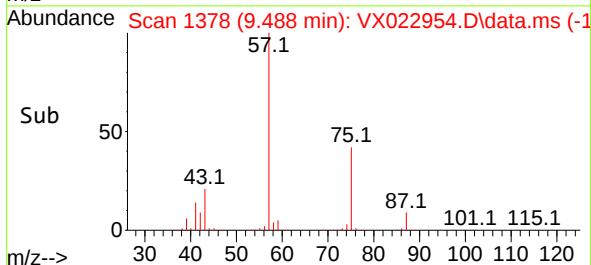
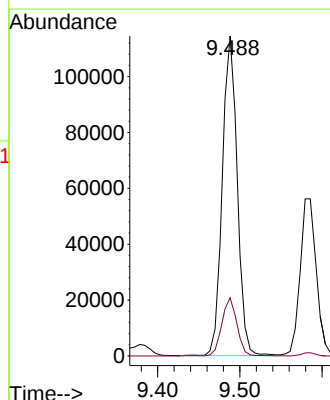
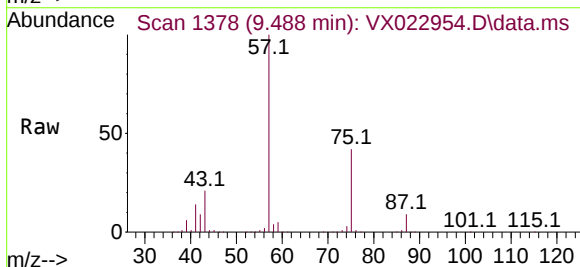
Tgt Ion: 76 Resp: 9728
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

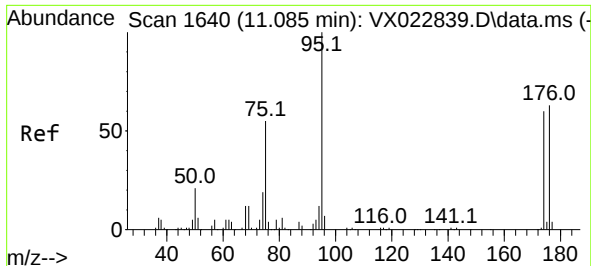


#59

2-Hexanone
Concen: 146.33 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

Tgt Ion: 43 Resp: 144770
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#

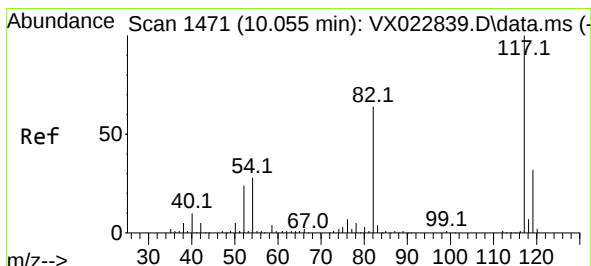
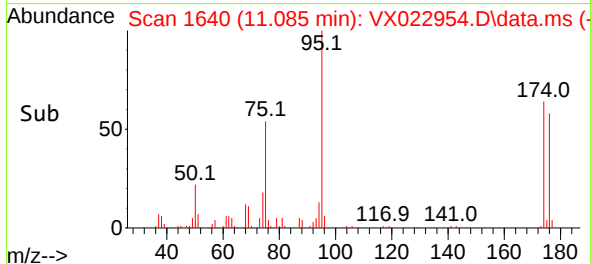
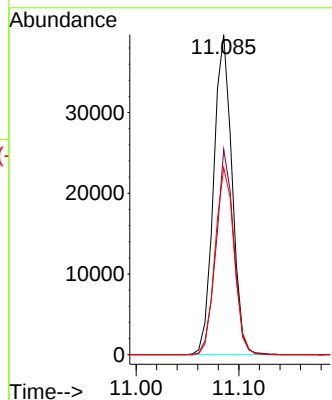
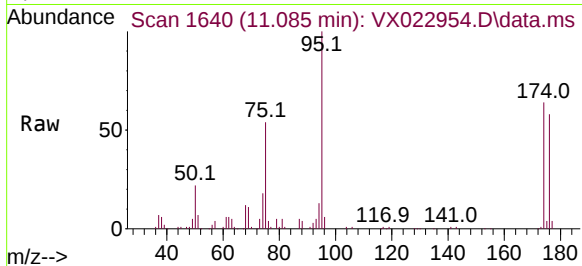




#62
4-Bromofluorobenzene
Concen: 49.96 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

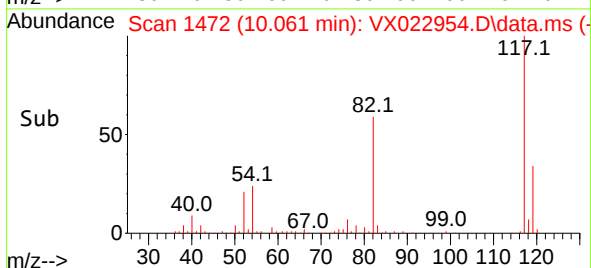
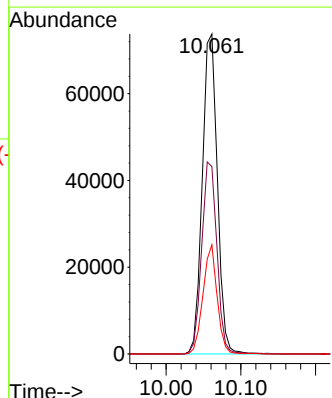
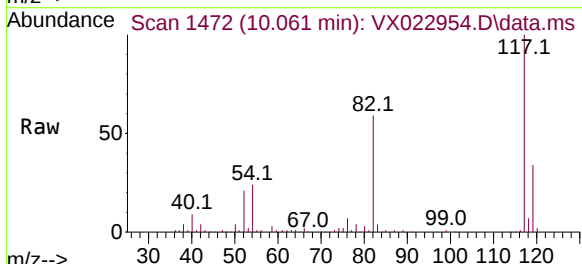
Instrument :
MSVOA_X
ClientSampleId :

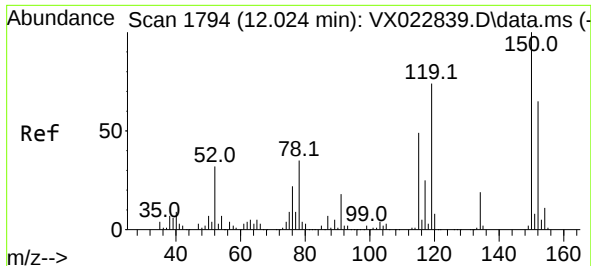
Tgt Ion: 95 Resp: 49152
Ion Ratio Lower Upper
95 100
174 61.6 0.0 154.6
176 60.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

Tgt Ion: 117 Resp: 103316
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 34.1 26.6 39.8

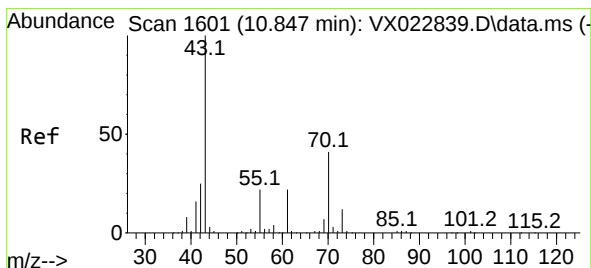
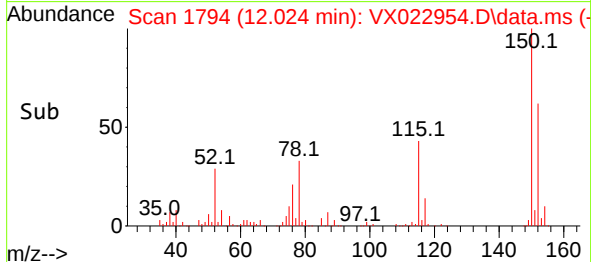
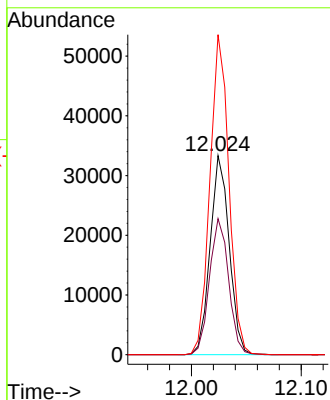
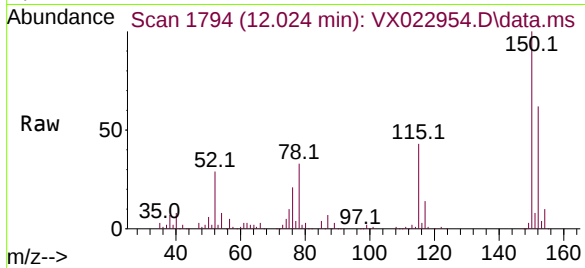




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

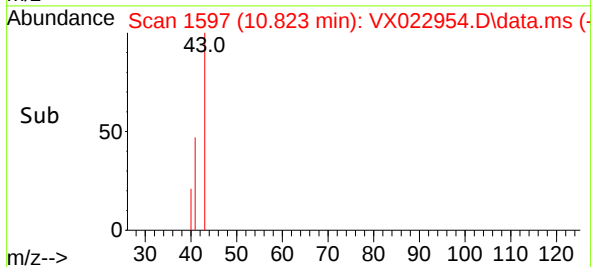
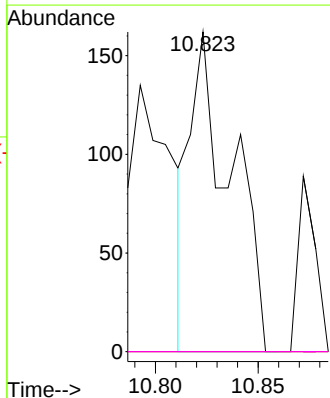
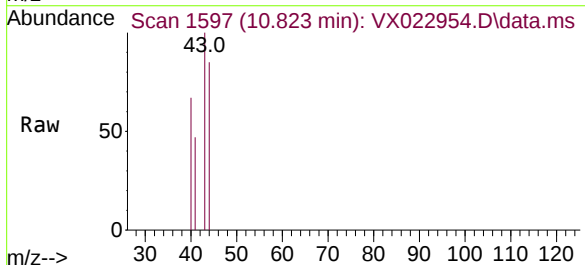
Instrument :
MSVOA_X
ClientSampled :

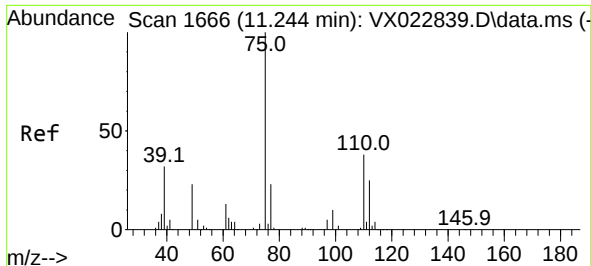
Tgt Ion:152 Resp: 40273
Ion Ratio Lower Upper
152 100
115 68.7 41.1 123.3
150 159.7 0.0 349.0



#74
N-ethyl acetate
Concen: 2.17 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.024 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

Tgt Ion: 43 Resp: 226
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#

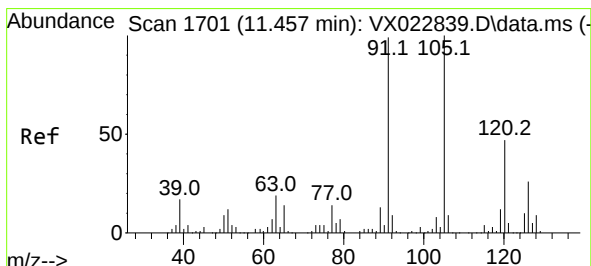
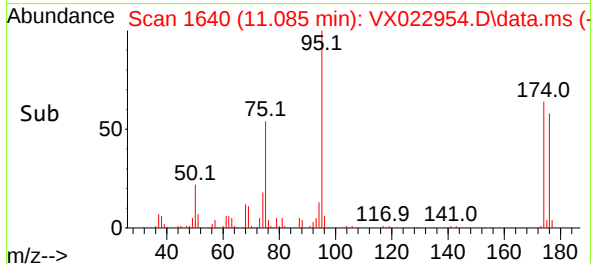
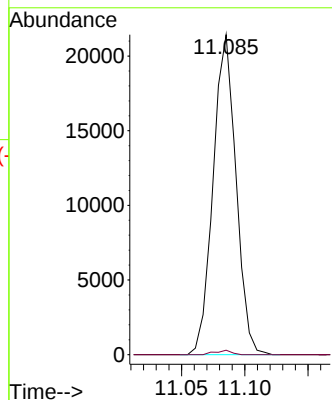
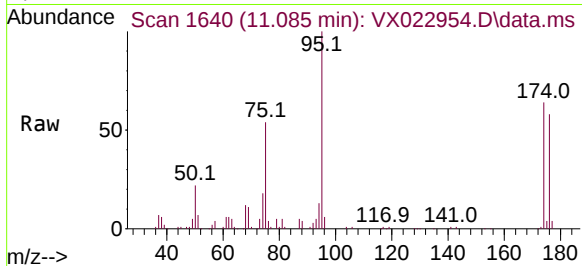




#76
1,2,3-Trichloropropane
Concen: 25.33 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

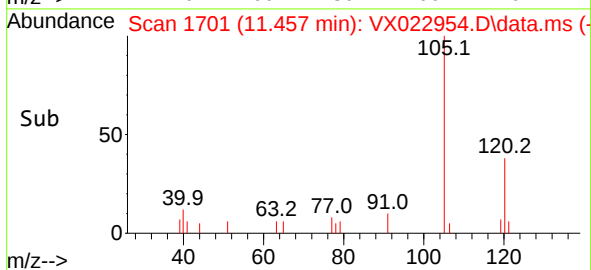
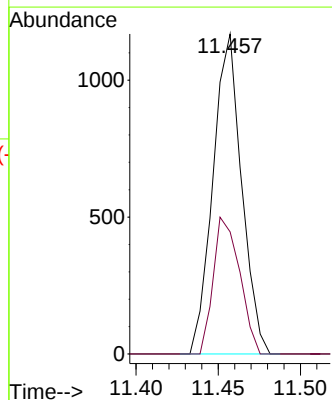
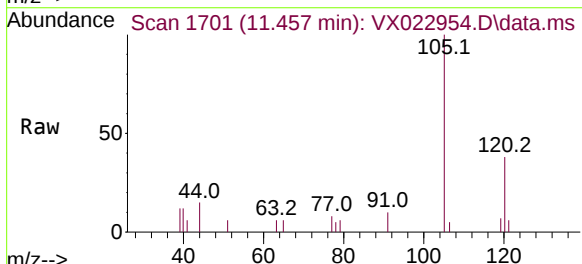
Instrument :
MSVOA_X
ClientSampleId :

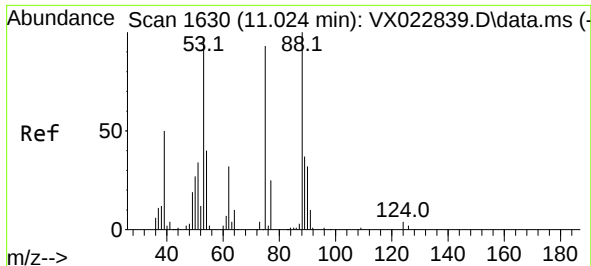
Tgt Ion: 75 Resp: 26949
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.51 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

Tgt Ion:105 Resp: 1417
Ion Ratio Lower Upper
105 100
120 39.2 23.8 71.5

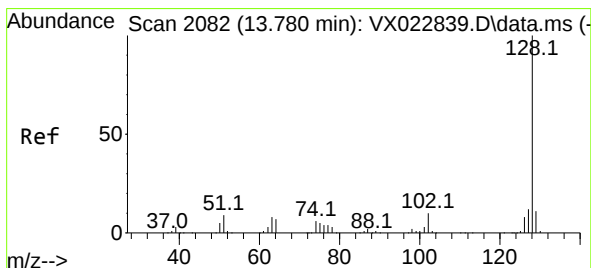
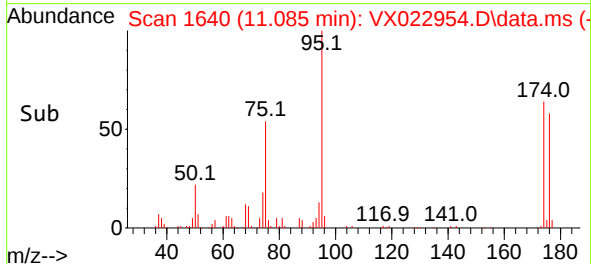
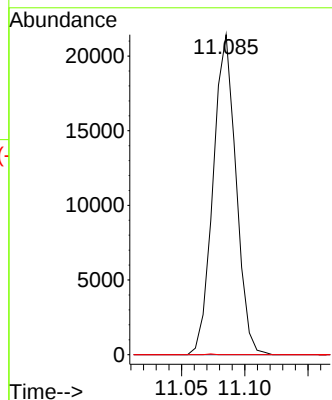
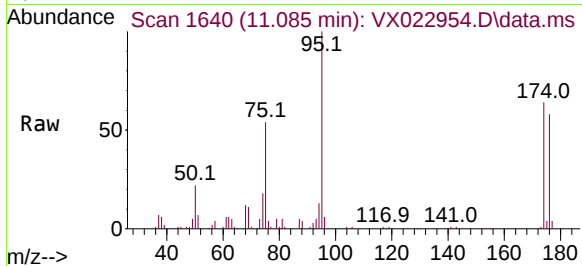




#81
trans-1,4-Dichloro-2-butene
Concen: 66.03 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 26949
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.96 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX022954.D
Acq: 26 Jun 2021 04:36

Tgt Ion:128 Resp: 132
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

