

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060321\
 Data File : VX022399.D
 Acq On : 04 Jun 2021 04:33
 Operator : JC/MD
 Sample : PB36780ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

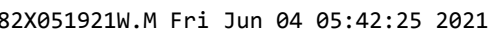
Instrument :
 MSVOA_X
 ClientSampleId :

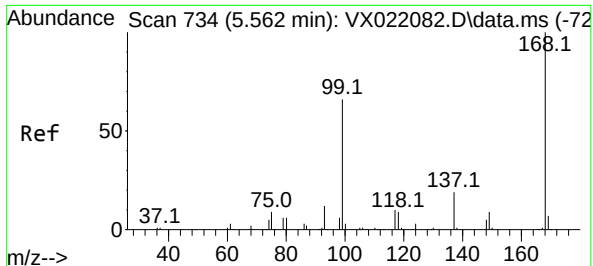
Quant Time: Jun 04 05:42:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	57944	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	126598	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41246	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	51310	57.40	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	114.80%
35) Dibromofluoromethane	5.404	113	36150	45.03	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.06%
50) Toluene-d8	8.653	98	156643	50.65	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.30%
62) 4-Bromofluorobenzene	11.085	95	52416	45.86	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.72%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.947	59	1968	9.63	ug/l	# 73
16) Acetone	2.386	43	9731	25.00	ug/l	93
18) Methyl Acetate	2.715	43	1591	1.54	ug/l	94
20) Methylene Chloride	2.800	84	3983	4.61	ug/l	90
25) 2-Butanone	4.574	43	2592	4.12	ug/l	90
29) Tetrahydrofuran	5.026	42	628	1.68	ug/l	# 79
31) Cyclohexane	5.562	56	1609	1.43	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	6020	5.14	ug/l	# 43
38) Carbon Tetrachloride	5.562	117	7004	6.12	ug/l	# 12
43) Isopropyl Acetate	6.355	43	13127	5.59	ug/l	# 92
48) Methyl methacrylate	7.604	41	3584	3.31	ug/l	# 10
49) 1,4-Dioxane	7.799	88	81	3.85	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	46580	33.13	ug/l	# 44
54) cis-1,3-Dichloropropene	8.555	75	21108	13.64	ug/l	# 66
56) Ethyl methacrylate	9.348	69	431	0.29	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	12699	8.03	ug/l	# 43
59) 2-Hexanone	9.488	43	170775	161.49	ug/l	# 45
74) N-amyl acetate	10.768	43	345	0.21	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	29047	28.55	ug/l	# 39
80) 1,3,5-Trimethylbenzene	11.451	105	2819	0.97	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.085	75	29047	67.64	ug/l	# 12

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

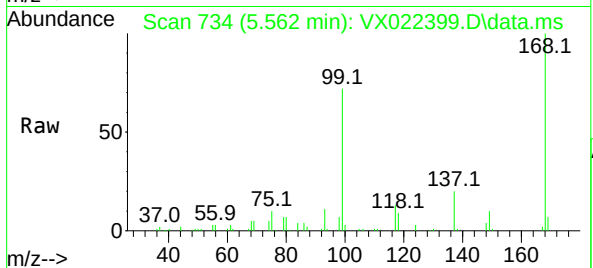
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
Response via : Initial Calibration



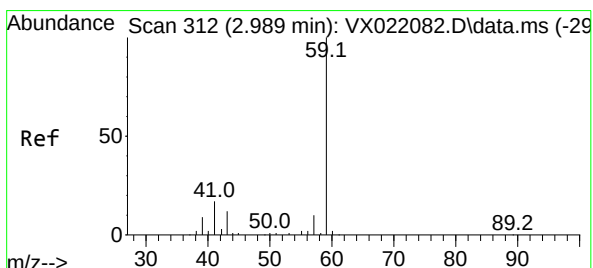
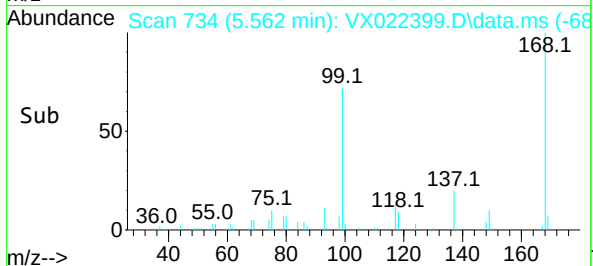
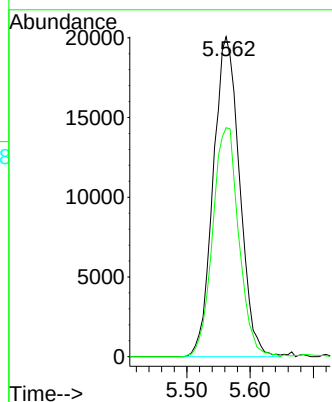


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

Instrument :
MSVOA_X
ClientSampleId :

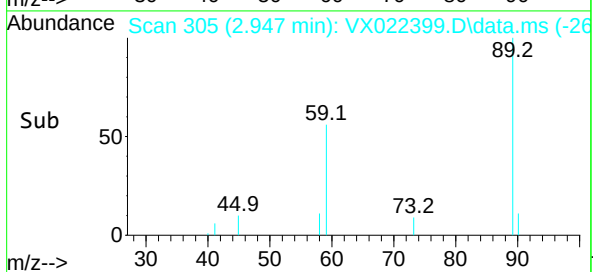
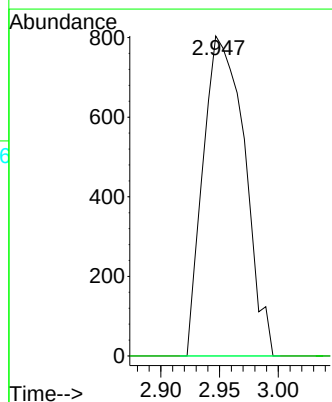
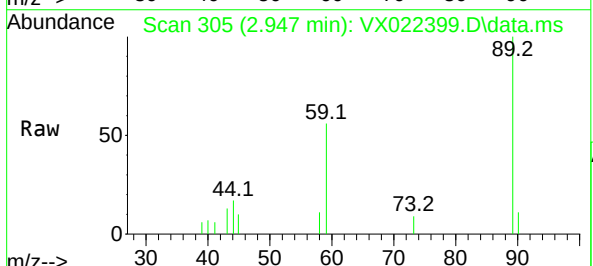


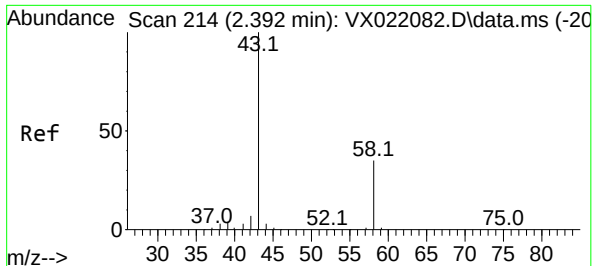
Tgt Ion:168 Resp: 57944
Ion Ratio Lower Upper
168 100
99 71.5 45.8 68.6#



#11
Tert butyl alcohol
Concen: 9.63 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

Tgt Ion: 59 Resp: 1968
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

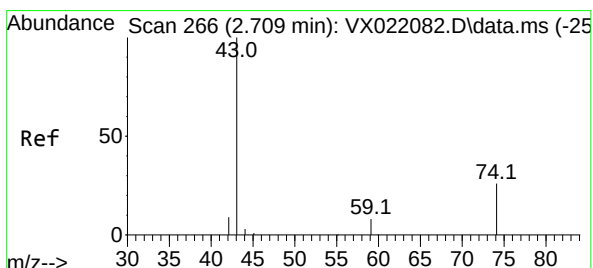
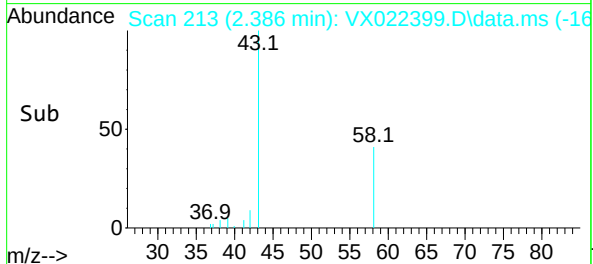
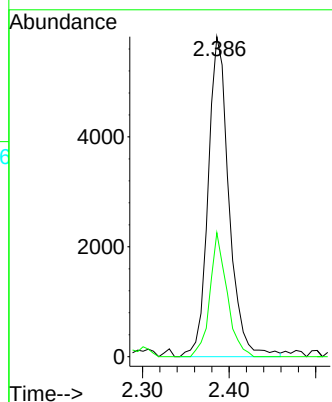
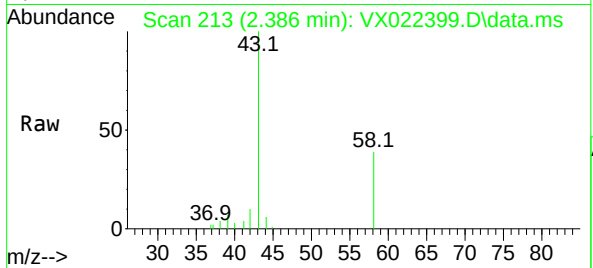




#16
Acetone
Concen: 25.00 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

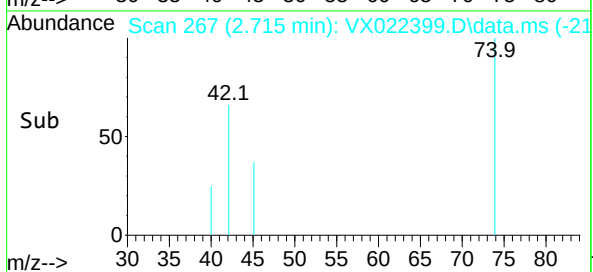
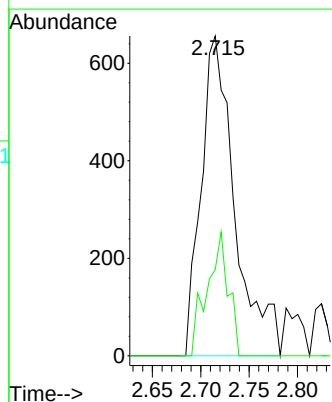
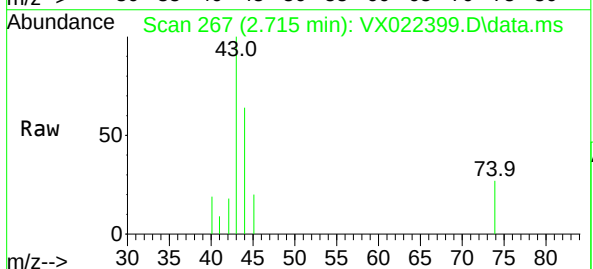
Instrument :
MSVOA_X
ClientSampleId :

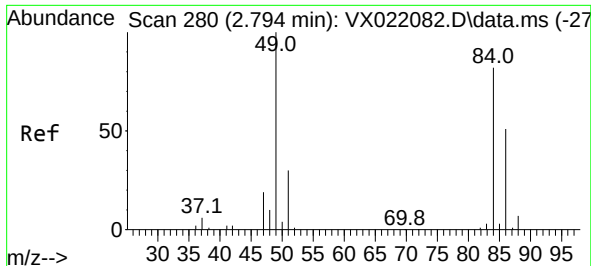
Tgt Ion: 43 Resp: 9731
Ion Ratio Lower Upper
43 100
58 38.8 27.8 41.8



#18
Methyl Acetate
Concen: 1.54 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

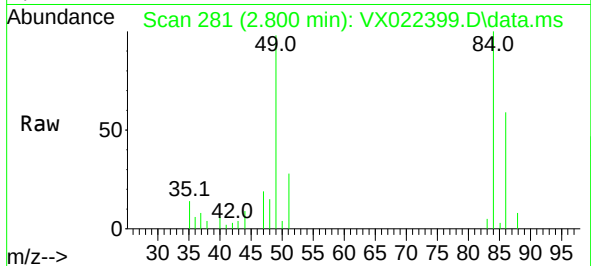
Tgt Ion: 43 Resp: 1591
Ion Ratio Lower Upper
43 100
74 24.4 21.9 32.9





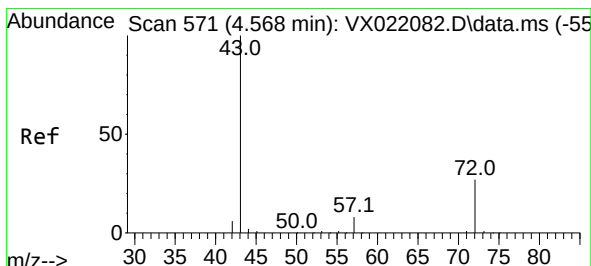
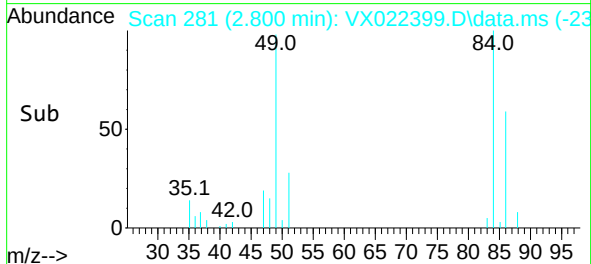
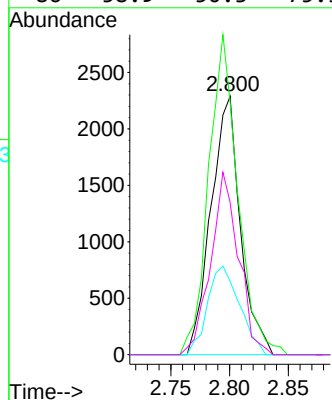
#20
Methylene Chloride
Concen: 4.61 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 84 Resp: 3983

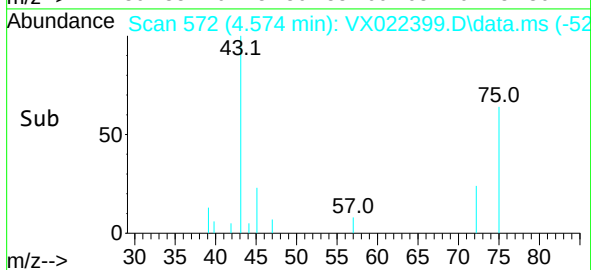
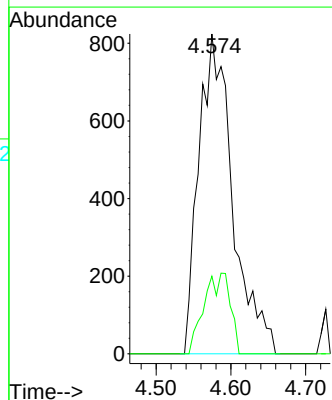
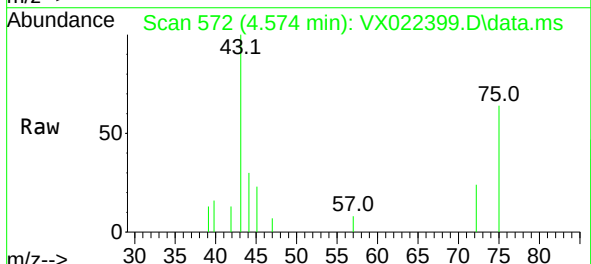
Ion	Ratio	Lower	Upper
84	100		
49	97.7	88.6	132.8
51	28.3	27.0	40.6
86	58.9	50.3	75.5

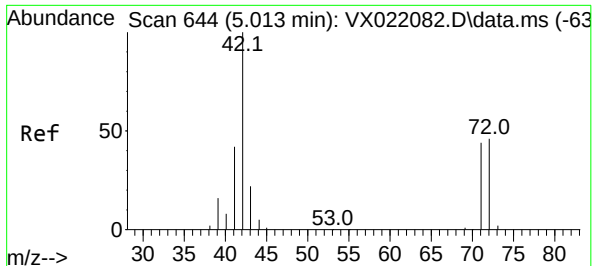


#25
2-Butanone
Concen: 4.12 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

Tgt Ion: 43 Resp: 2592

Ion	Ratio	Lower	Upper
43	100		
72	24.3	23.7	35.5





#29

Tetrahydrofuran

Concen: 1.68 ug/l

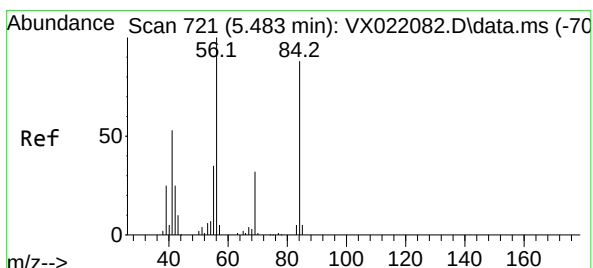
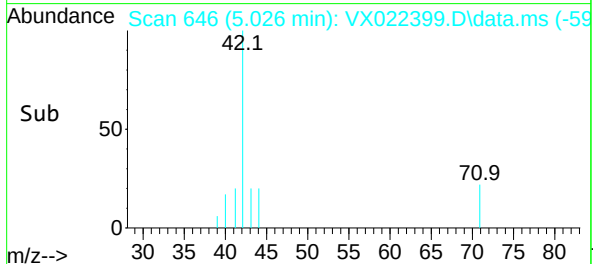
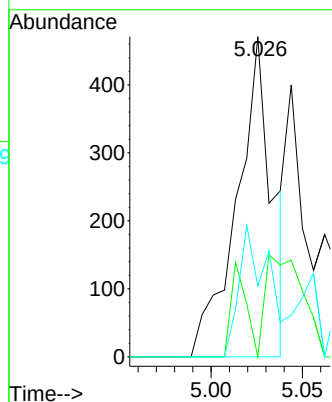
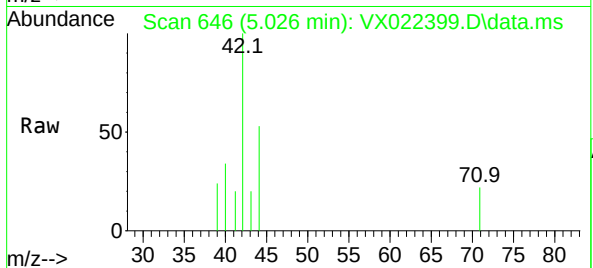
RT: 5.026 min Scan# 646

Delta R.T. 0.013 min

Lab File: VX022399.D

Acq: 04 Jun 2021 04:33

Tgt Ion:	42	Resp:	628
Ion	Ratio	Lower	Upper
42	100		
72	33.9	41.7	62.5#
71	36.9	38.4	57.6#



#31

Cyclohexane

Concen: 1.43 ug/l

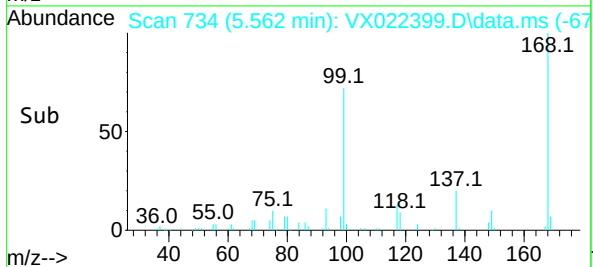
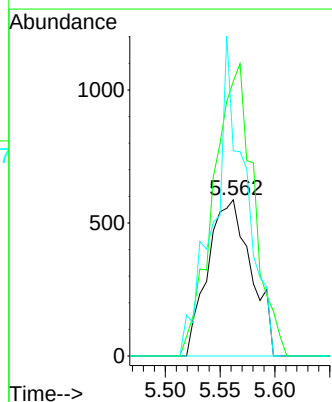
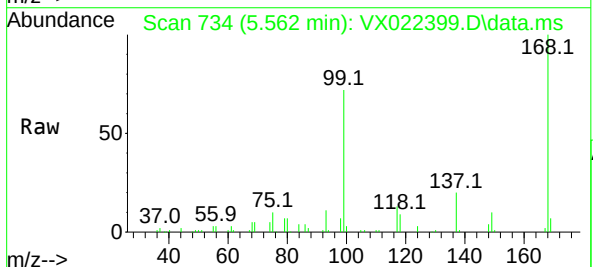
RT: 5.562 min Scan# 734

Delta R.T. 0.079 min

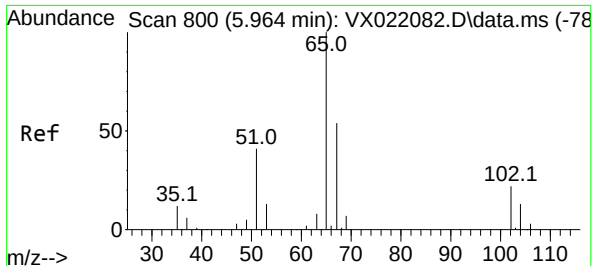
Lab File: VX022399.D

Acq: 04 Jun 2021 04:33

Tgt Ion:	56	Resp:	1609
Ion	Ratio	Lower	Upper
56	100		
69	176.0	25.3	37.9#
84	131.3	71.4	107.0#



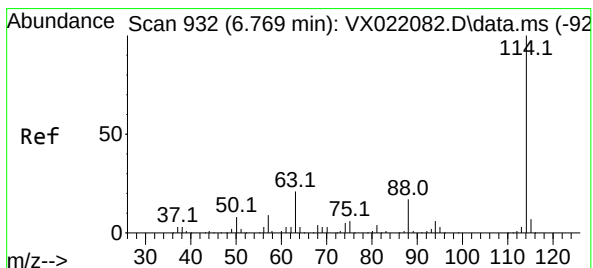
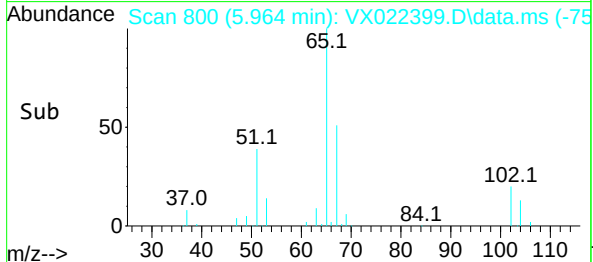
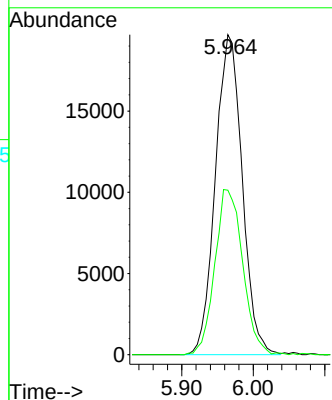
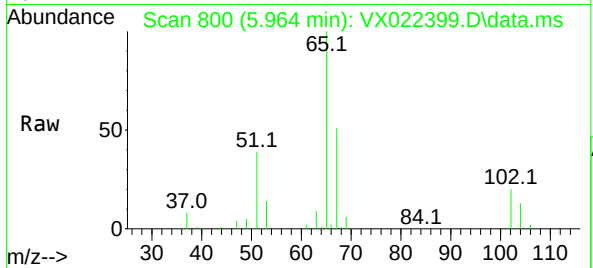
Instrument :
MSVOA_X
ClientSampleId :



#33
 1,2-Dichloroethane-d4
 Concen: 57.40 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX022399.D
 Acq: 04 Jun 2021 04:33

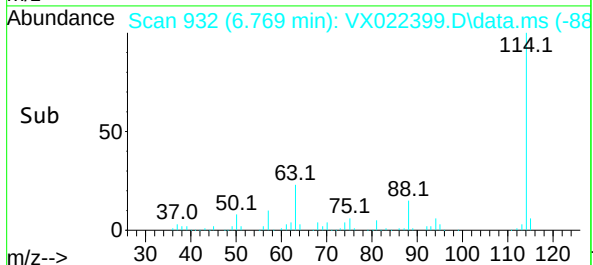
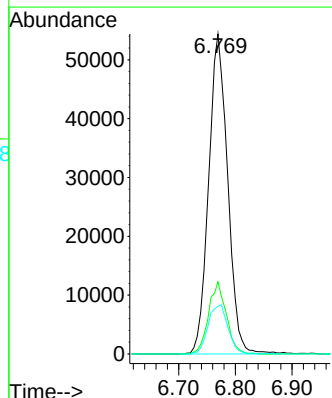
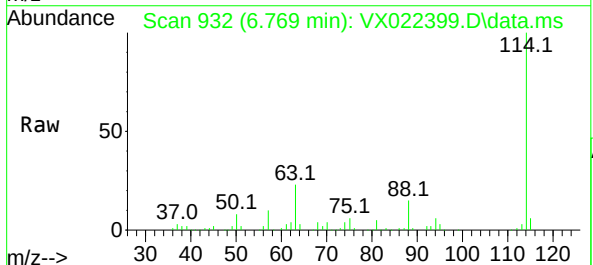
Instrument :
 MSVOA_X
 ClientSampled :

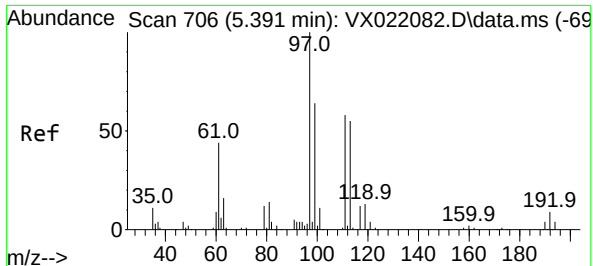
Tgt Ion: 65 Resp: 51310
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX022399.D
 Acq: 04 Jun 2021 04:33

Tgt Ion: 114 Resp: 126598
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 40.8
 88 14.9 0.0 32.8

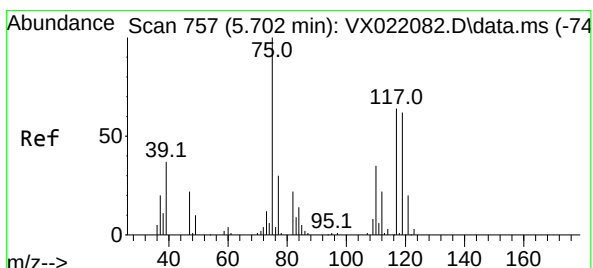
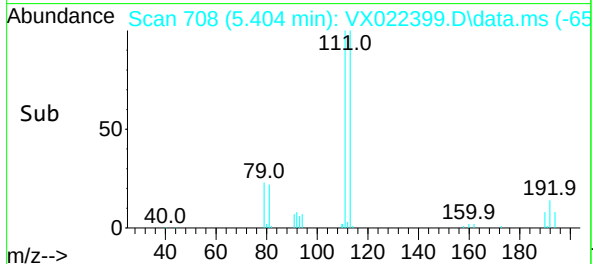
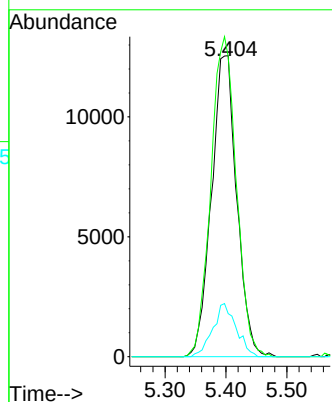
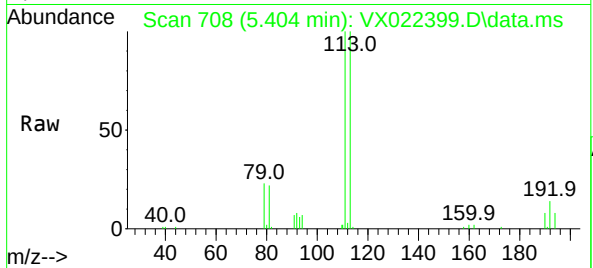




#35
Dibromofluoromethane
Concen: 45.03 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.013 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

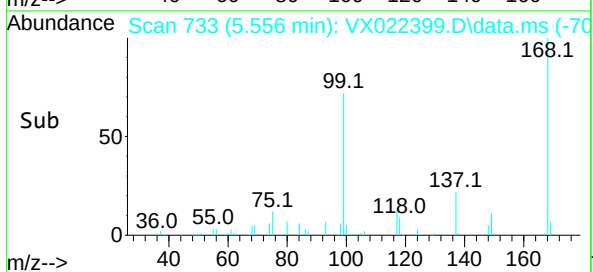
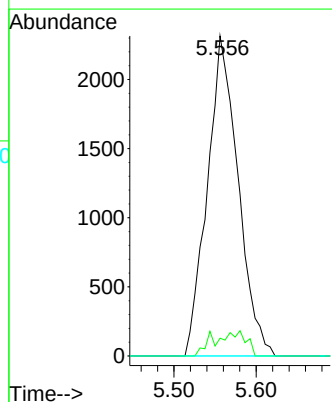
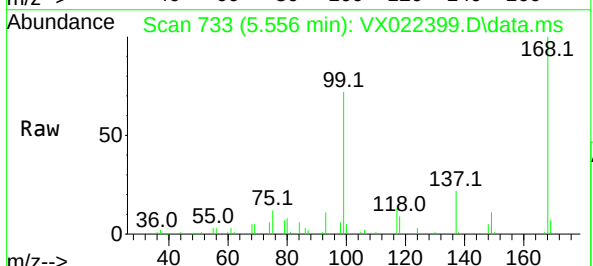
Instrument :
MSVOA_X
ClientSampled :

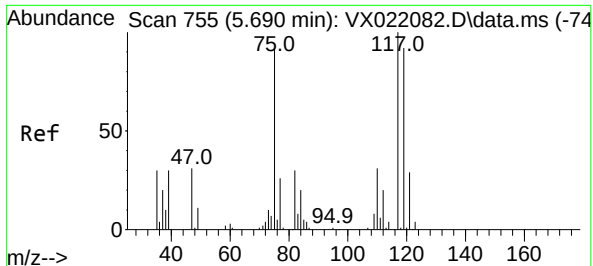
Tgt Ion:113 Resp: 36150
Ion Ratio Lower Upper
113 100
111 107.2 81.9 122.9
192 16.4 16.7 25.1#



#36
1,1-Dichloropropene
Concen: 5.14 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

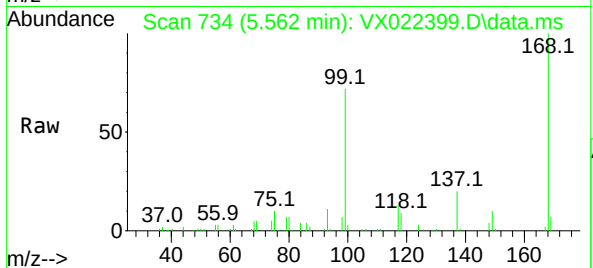
Tgt Ion: 75 Resp: 6020
Ion Ratio Lower Upper
75 100
110 2.2 18.1 54.4#
77 0.0 25.3 37.9#



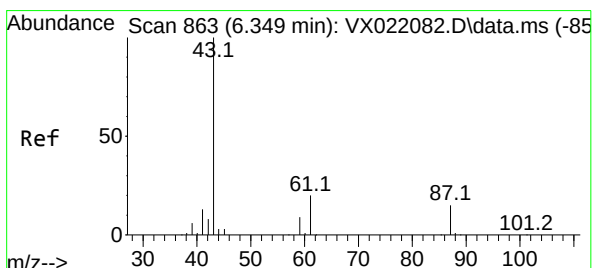
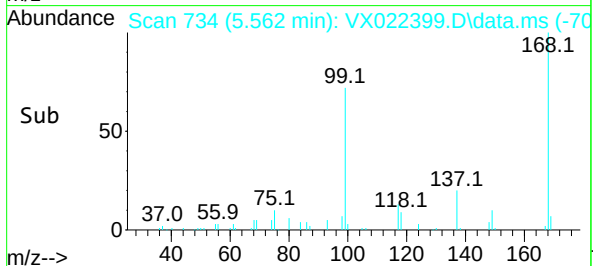
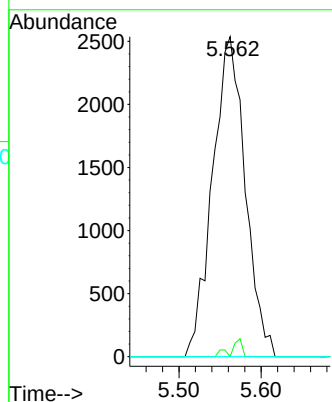


#38
Carbon Tetrachloride
Concen: 6.12 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

Instrument :
MSVOA_X
ClientSampled :

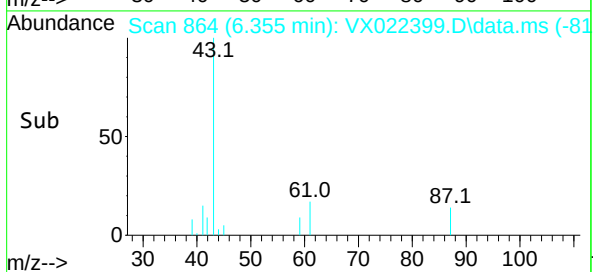
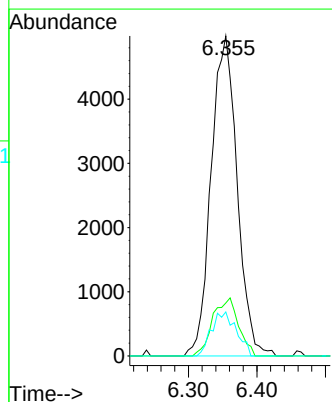
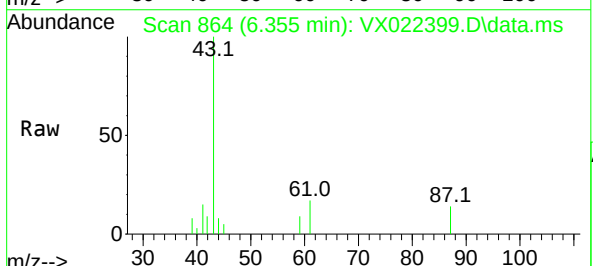


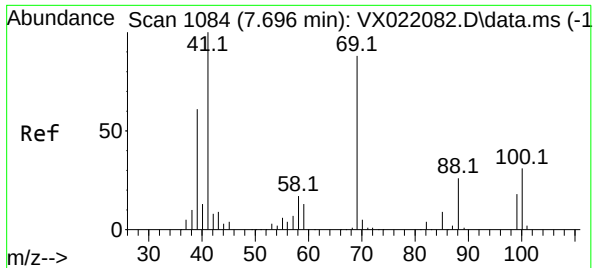
Tgt Ion:117 Resp: 7004
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 5.59 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

Tgt Ion: 43 Resp: 13127
Ion Ratio Lower Upper
43 100
61 17.9 18.2 27.4#
87 13.1 12.5 18.7

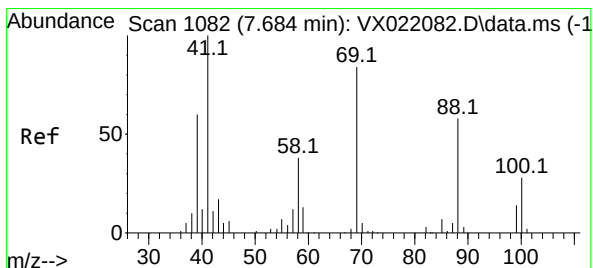
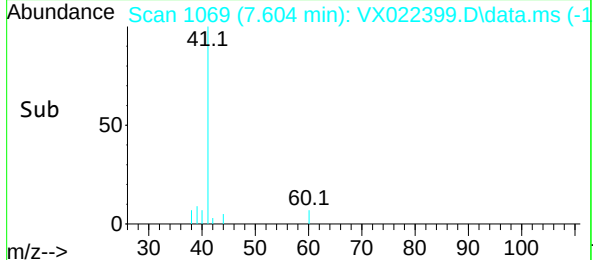
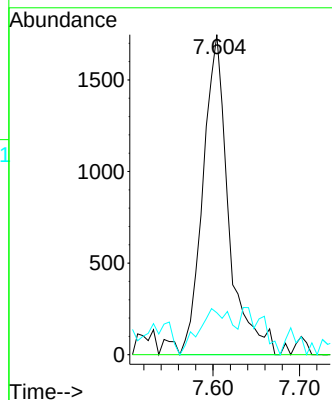
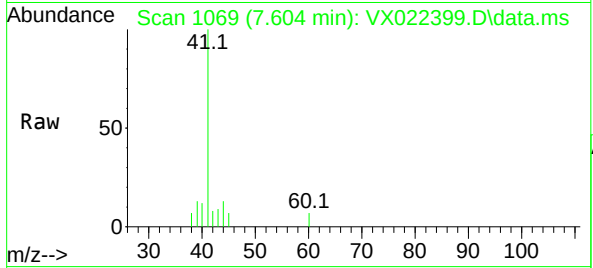




#48
Methyl methacrylate
Concen: 3.31 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

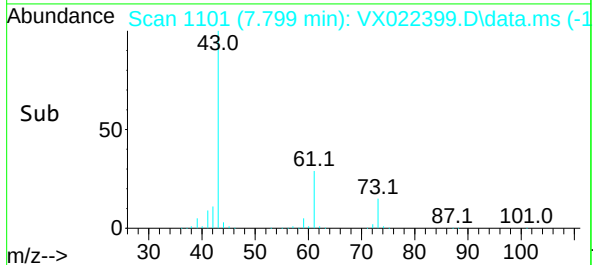
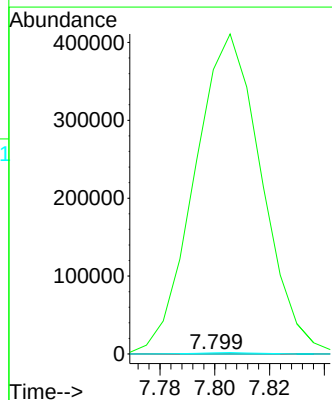
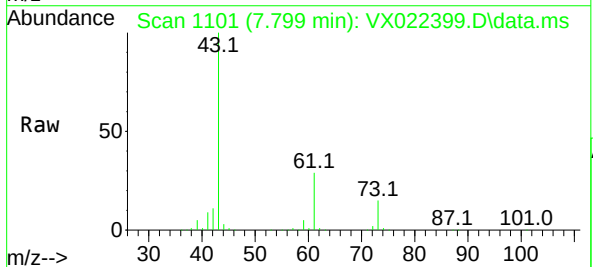
Instrument :
MSVOA_X
ClientSampled :

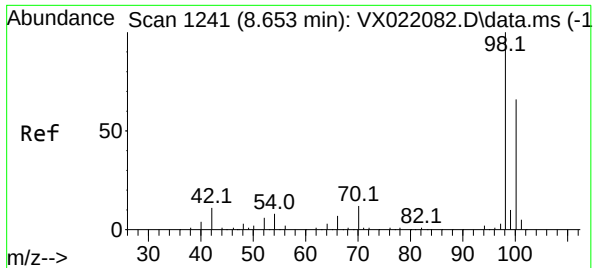
Tgt Ion: 41 Resp: 3584
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 3.85 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.115 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 875756.8 23.2 34.8#
58 3329.6 55.0 82.4#

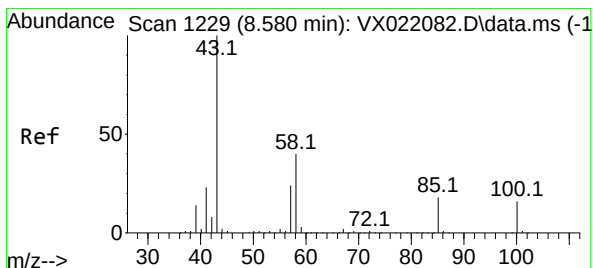
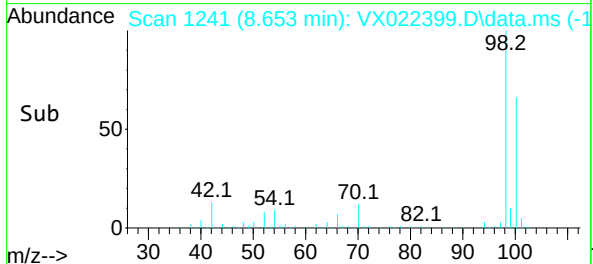
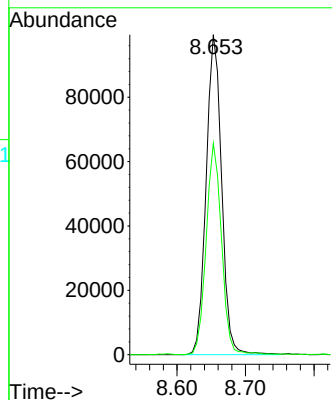
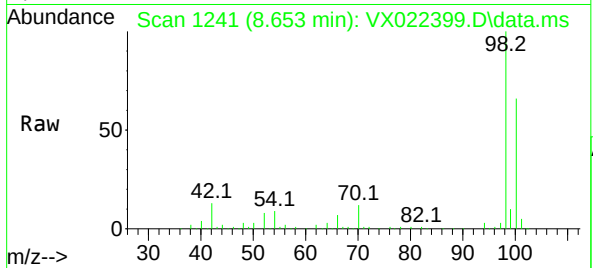




#50
Toluene-d8
Concen: 50.65 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

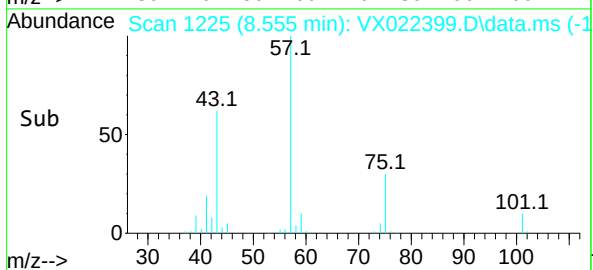
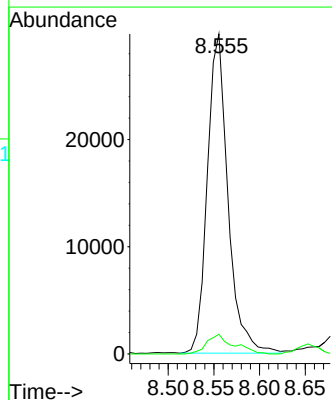
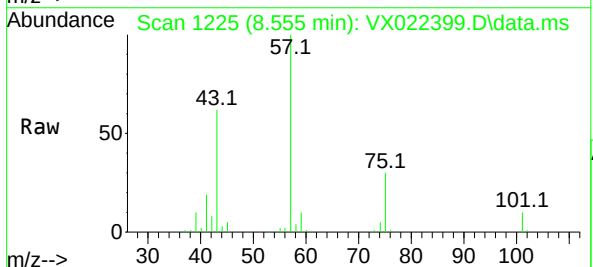
Instrument :
MSVOA_X
ClientSampled :

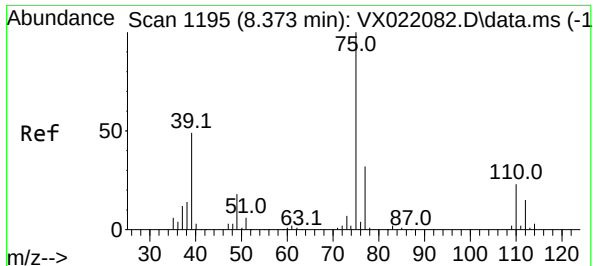
Tgt Ion: 98 Resp: 156643
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 33.13 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

Tgt Ion: 43 Resp: 46580
Ion Ratio Lower Upper
43 100
58 8.0 35.4 53.0#

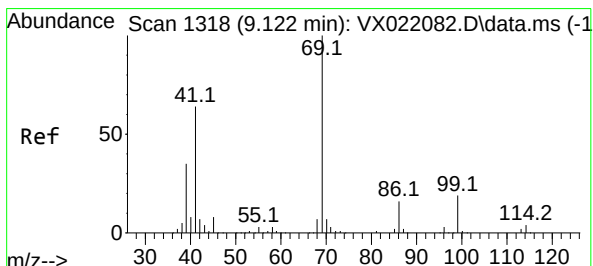
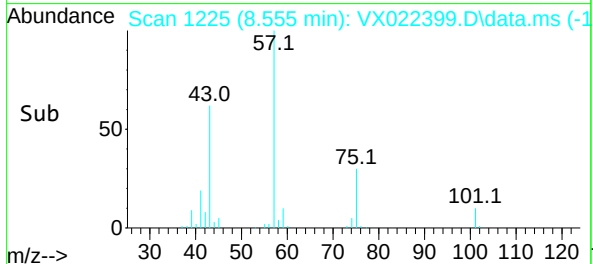
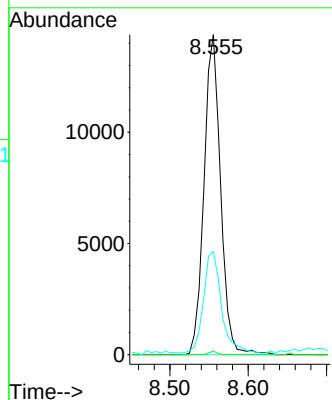
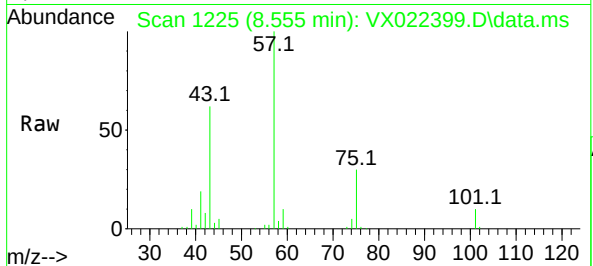




#54
cis-1,3-Dichloropropene
Concen: 13.64 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

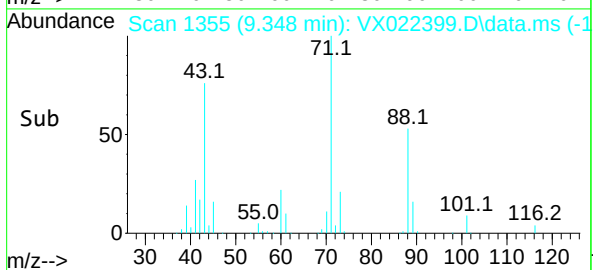
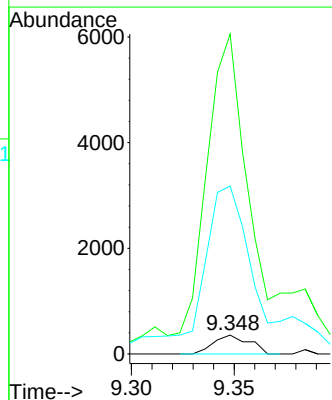
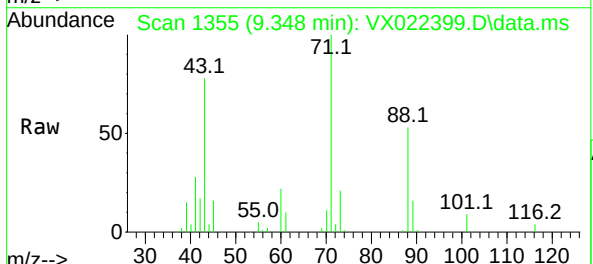
Instrument :
MSVOA_X
ClientSampled :

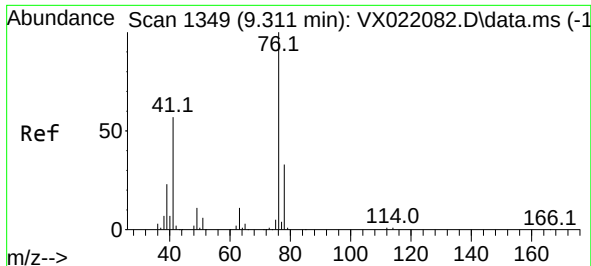
Tgt Ion: 75 Resp: 21108
Ion Ratio Lower Upper
75 100
77 1.1 25.7 38.5#
39 31.6 35.1 52.7#



#56
Ethyl methacrylate
Concen: 0.29 ug/l
RT: 9.348 min Scan# 1355
Delta R.T. 0.226 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

Tgt Ion: 69 Resp: 431
Ion Ratio Lower Upper
69 100
41 2347.3 46.8 70.2#
39 1287.0 24.7 37.1#



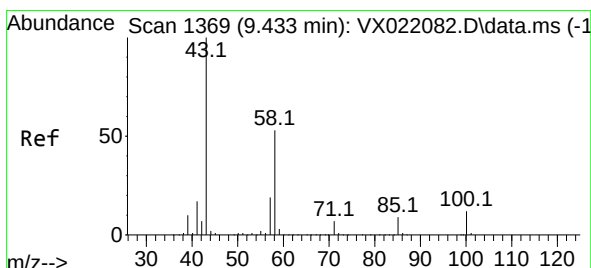
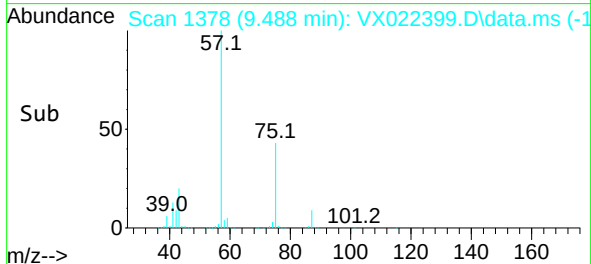
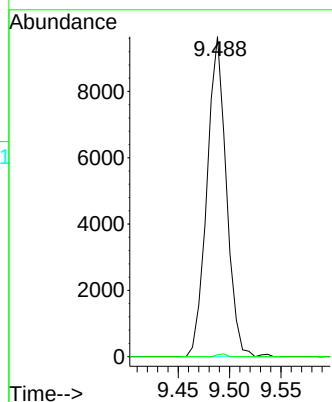
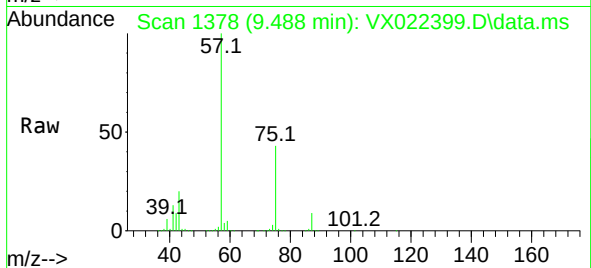


#57

1,3-Dichloropropane
Concen: 8.03 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

Instrument :
MSVOA_X
ClientSampled :

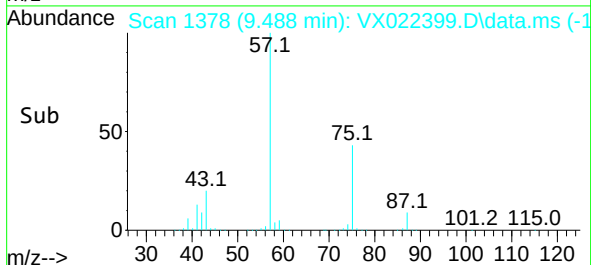
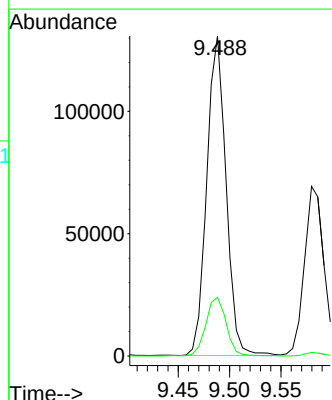
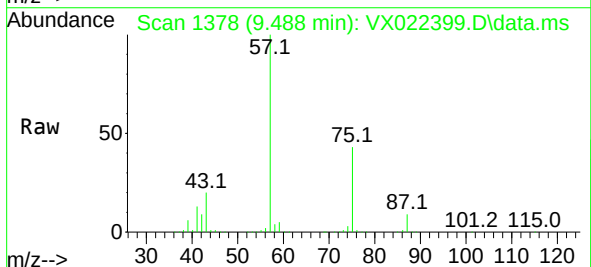
Tgt Ion: 76 Resp: 12699
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

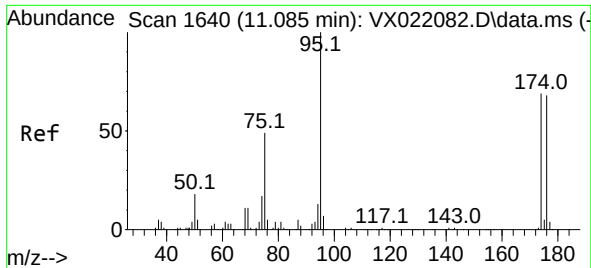


#59

2-Hexanone
Concen: 161.49 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

Tgt Ion: 43 Resp: 170775
Ion Ratio Lower Upper
43 100
58 19.4 30.9 92.8#

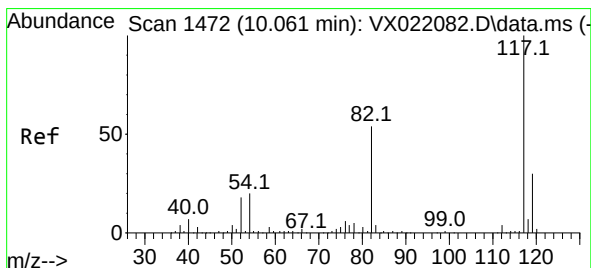
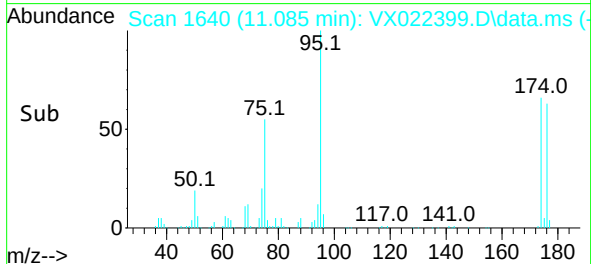
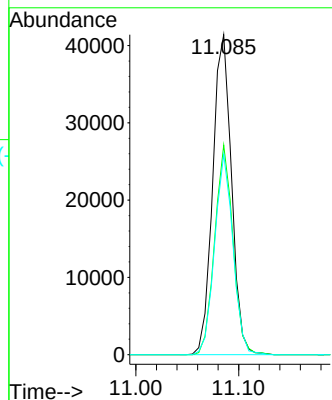
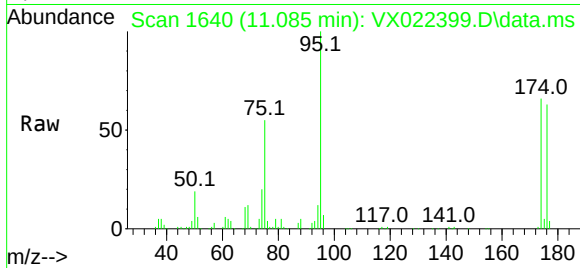




#62
4-Bromofluorobenzene
Concen: 45.86 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

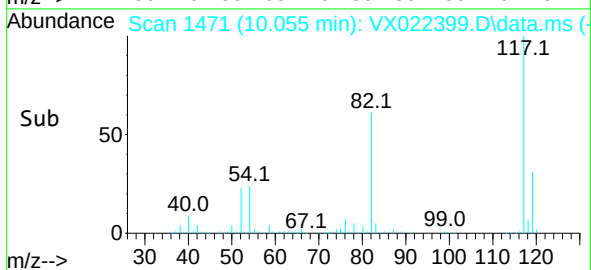
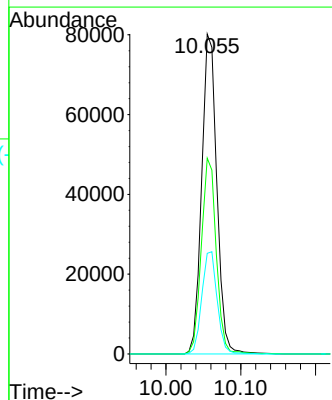
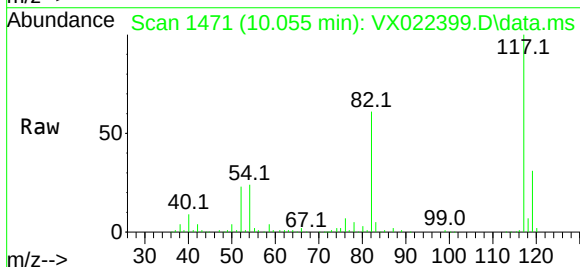
Instrument :
MSVOA_X
ClientSampled :

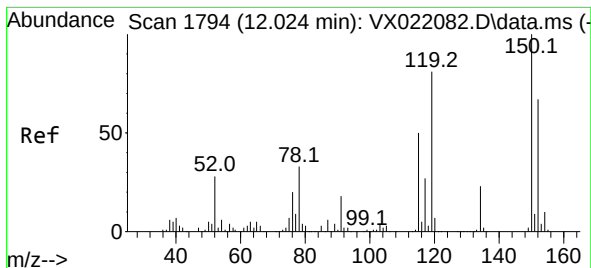
Tgt Ion: 95 Resp: 52416
Ion Ratio Lower Upper
95 100
174 63.9 0.0 154.6
176 61.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

Tgt Ion: 117 Resp: 112781
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 31.5 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: VX022399.D

Acq: 04 Jun 2021 04:33

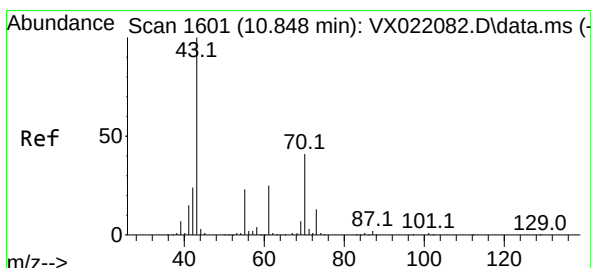
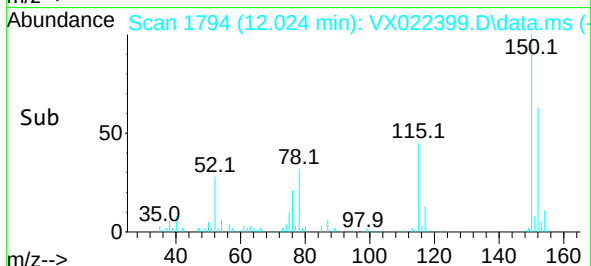
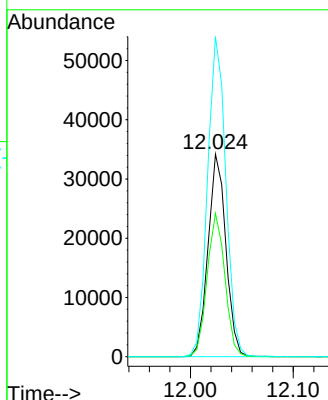
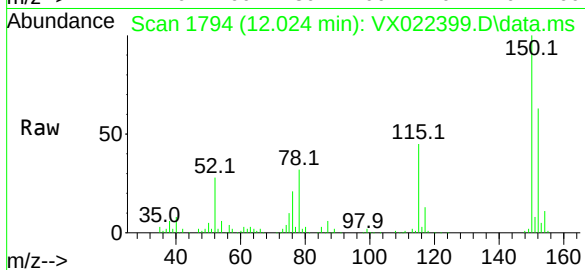
Tgt Ion:152 Resp: 41246

Ion Ratio Lower Upper

152 100

115 70.4 41.1 123.3

150 161.3 0.0 349.0



#74

N-ethyl acetate

Concen: 0.21 ug/l

RT: 10.768 min Scan# 1588

Delta R.T. -0.080 min

Lab File: VX022399.D

Acq: 04 Jun 2021 04:33

Tgt Ion: 43 Resp: 345

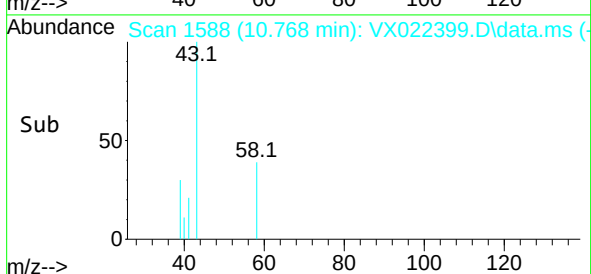
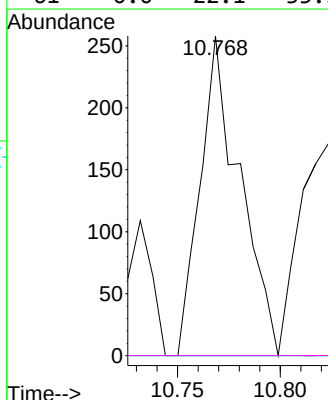
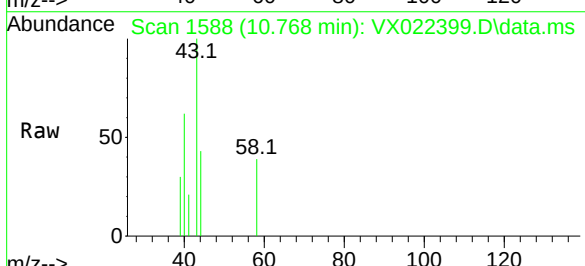
Ion Ratio Lower Upper

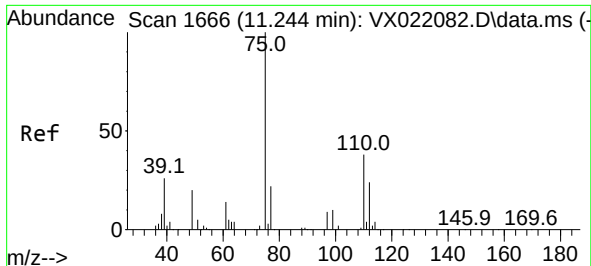
43 100

70 0.0 39.0 58.6#

55 0.0 21.5 32.3#

61 0.0 22.1 33.1#

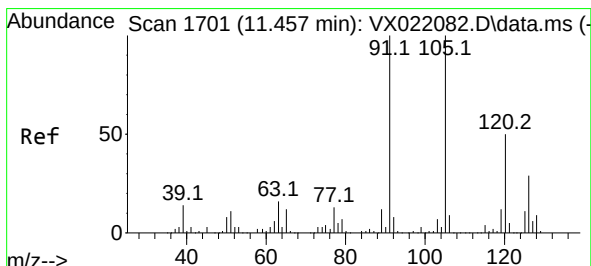
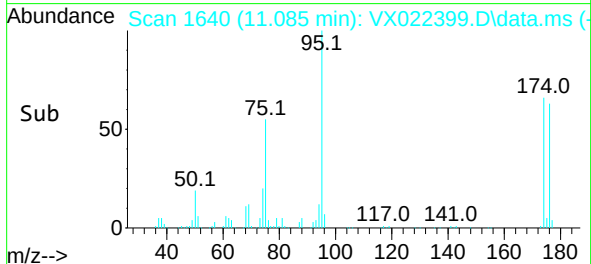
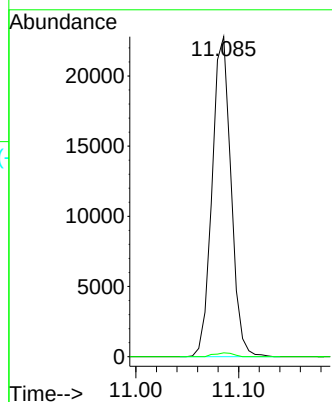
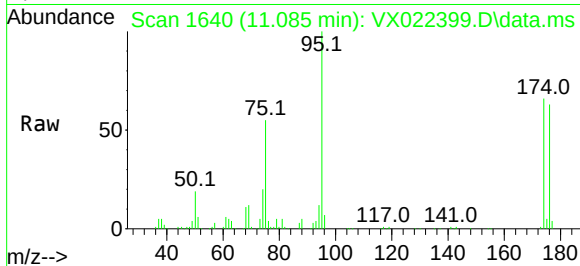




#76
1,2,3-Trichloropropane
Concen: 28.55 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

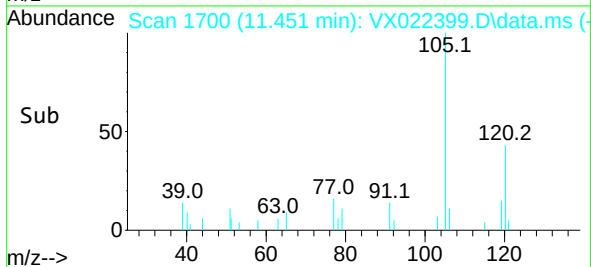
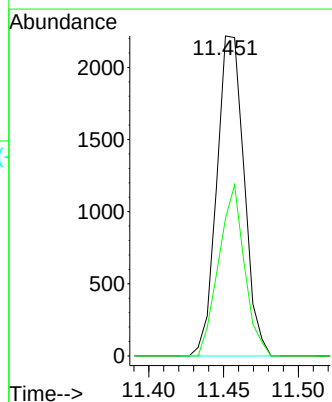
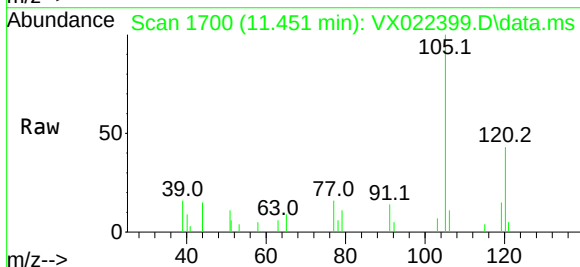
Instrument :
MSVOA_X
ClientSampled :

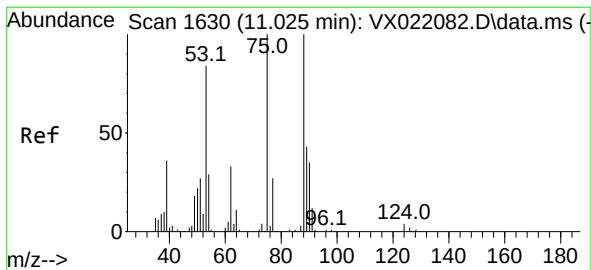
Tgt Ion: 75 Resp: 29047
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.97 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX022399.D
Acq: 04 Jun 2021 04:33

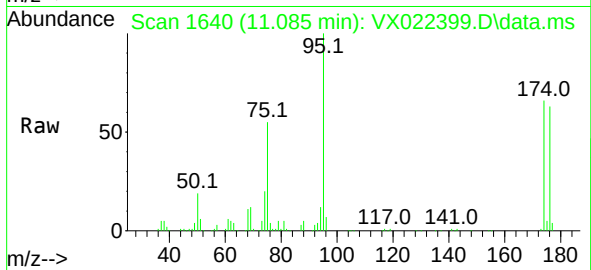
Tgt Ion:105 Resp: 2819
Ion Ratio Lower Upper
105 100
120 50.3 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.64 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX022399.D
 Acq: 04 Jun 2021 04:33

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 29047
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

