

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063021\
 Data File : VX023042.D
 Acq On : 30 Jun 2021 18:28
 Operator : JC/MD
 Sample : M2897-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 01 03:27:44 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)

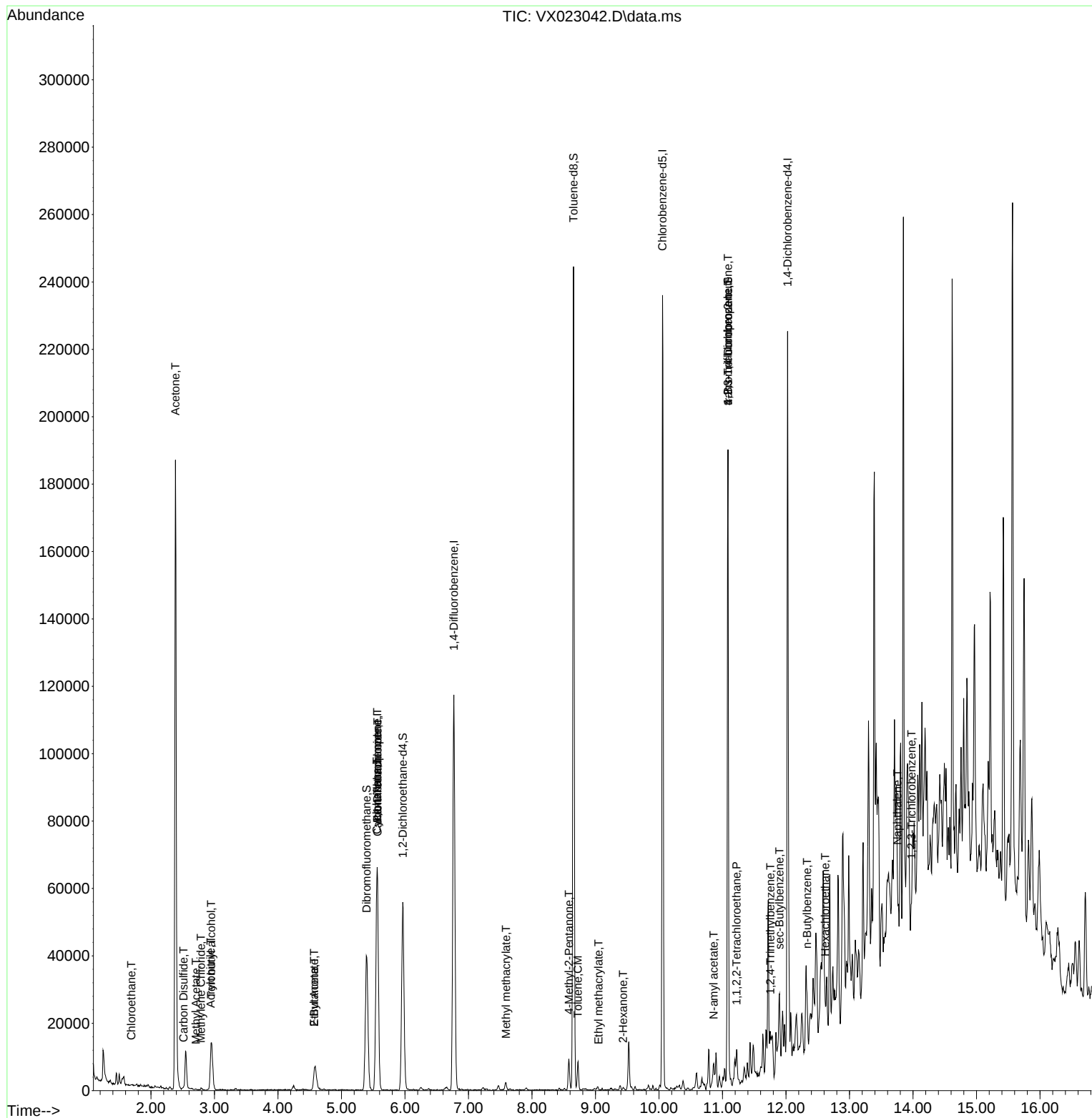
Internal Standards						
1) Pentafluorobenzene	5.562	168	52031	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	107652	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	96590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	35585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	50705	53.698	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.400%	
35) Dibromofluoromethane	5.397	113	34188	50.011	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.020%	
50) Toluene-d8	8.653	98	133421	49.798	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.600%	
62) 4-Bromofluorobenzene	11.085	95	45856	45.860	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.720%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.691	64	149	0.324	ug/l	# 43
11) Tert butyl alcohol	2.947	59	10460	53.152	ug/l	# 73
15) Acrylonitrile	2.941	53	146	0.325	ug/l	# 18
16) Acetone	2.386	43	187438	447.759	ug/l	92
17) Carbon Disulfide	2.514	76	665	3.852	ug/l	# 75
18) Methyl Acetate	2.709	43	452	0.439	ug/l	# 47
20) Methylene Chloride	2.788	84	196	0.607	ug/l	# 64
25) 2-Butanone	4.568	43	5311	8.159	ug/l	95
31) Cyclohexane	5.556	56	1691	1.268	ug/l	# 49
36) 1,1-Dichloropropene	5.562	75	5811	5.082	ug/l	# 47
37) Ethyl Acetate	4.568	43	5311	4.010	ug/l	# 71
38) Carbon Tetrachloride	5.568	117	6128	6.390	ug/l	# 17
48) Methyl methacrylate	7.592	41	732	0.743	ug/l	# 28
51) 4-Methyl-2-Pentanone	8.580	43	5900	4.452	ug/l	89
52) Toluene	8.720	92	2681	1.345	ug/l	92
56) Ethyl methacrylate	9.049	69	26	2.596	ug/l	# 1
59) 2-Hexanone	9.433	43	502	0.499	ug/l	69
74) N-amyl acetate	10.860	43	1306	2.792	ug/l	# 9
75) 1,1,2,2-Tetrachloroethane	11.220	83	1045	1.010	ug/l	# 36
76) 1,2,3-Trichloropropane	11.085	75	26545	28.241	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	26545	72.859	ug/l	# 13
84) 1,2,4-Trimethylbenzene	11.756	105	680	0.273	ug/l	# 60
85) sec-Butylbenzene	11.896	105	939	0.298	ug/l	96
89) n-Butylbenzene	12.329	91	1801	0.757	ug/l	# 64
90) Hexachloroethane	12.616	117	294	4.299	ug/l	# 9
95) Naphthalene	13.756	128	638	2.134	ug/l	# 38
96) 1,2,3-Trichlorobenzene	13.975	180	387	0.588	ug/l	# 1

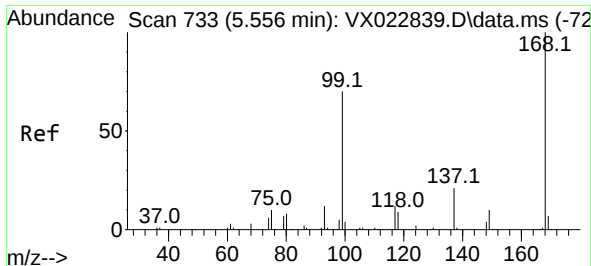
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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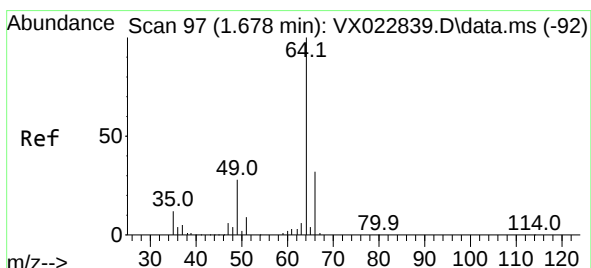
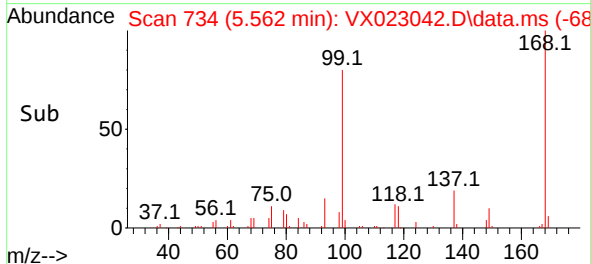
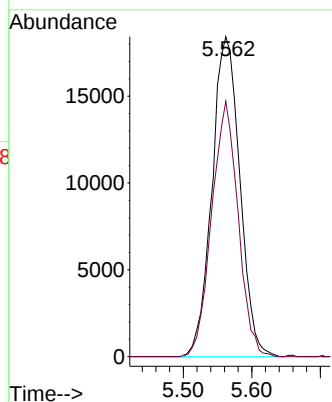
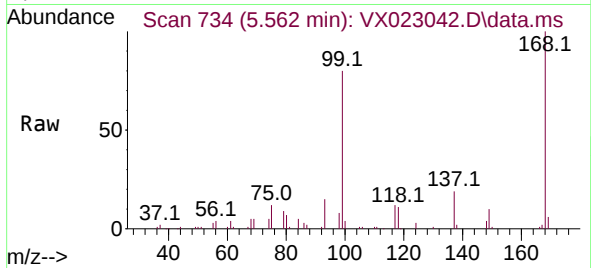




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

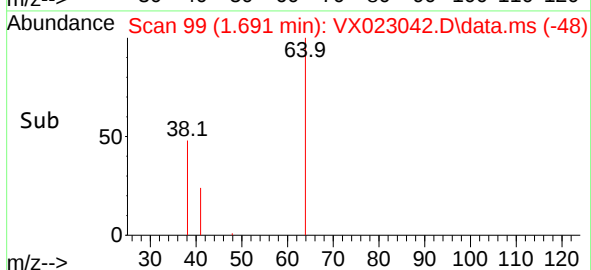
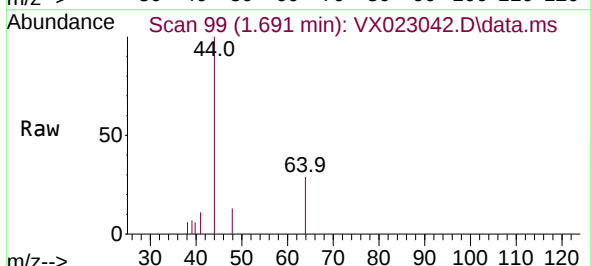
Instrument :
MSVOA_X
ClientSampled :

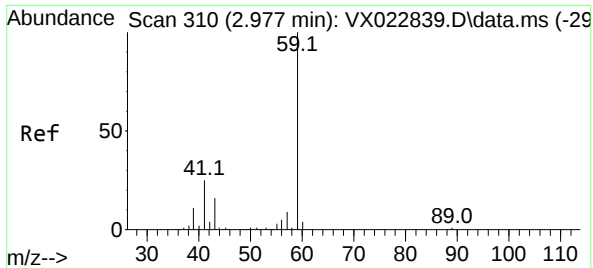
Tgt Ion:168 Resp: 52031
Ion Ratio Lower Upper
168 100
99 79.8 45.8 68.6#



#6
Chloroethane
Concen: 0.324 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

Tgt Ion: 64 Resp: 149
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



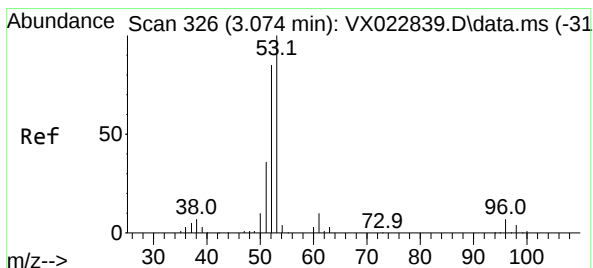
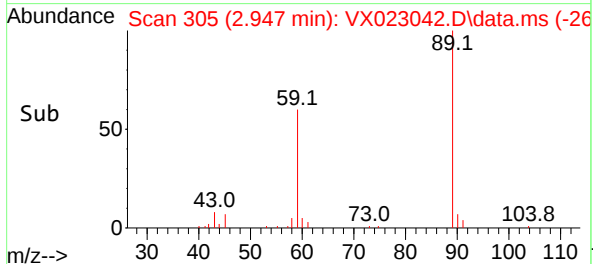
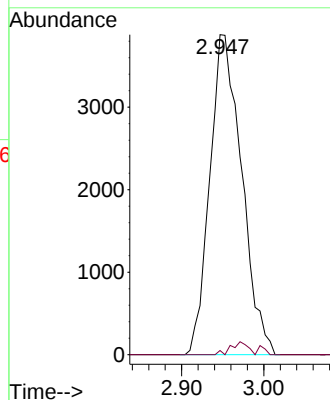
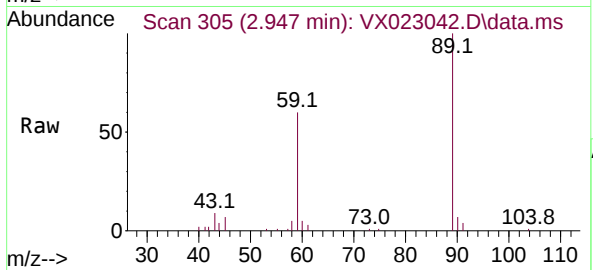


#11

Tert butyl alcohol
Concen: 53.152 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

Instrument :
MSVOA_X
ClientSampled :

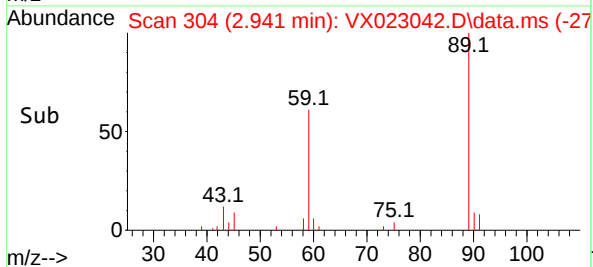
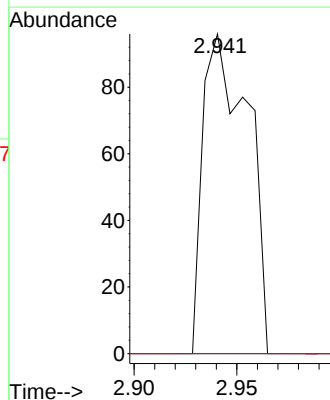
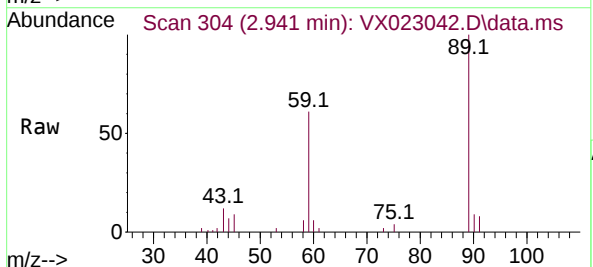
Tgt Ion: 59 Resp: 10460
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

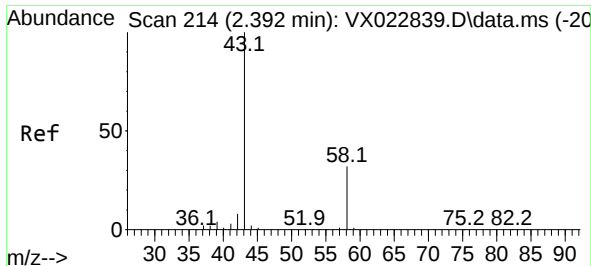


#15

Acrylonitrile
Concen: 0.325 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.133 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

Tgt Ion: 53 Resp: 146
Ion Ratio Lower Upper
53 100
52 0.0 65.3 97.9#
51 0.0 28.2 42.2#

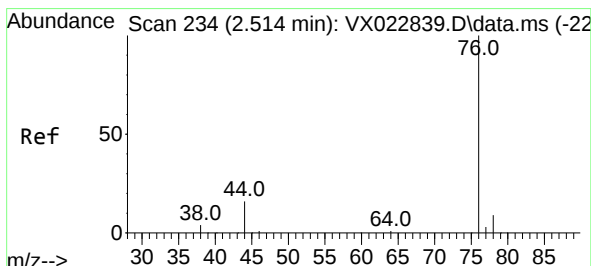
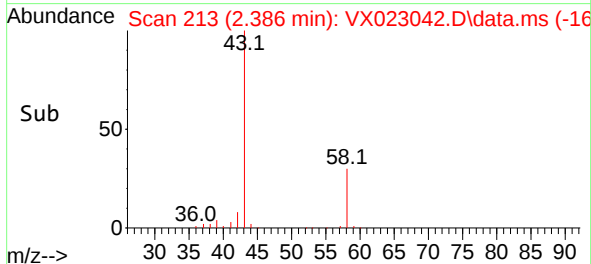
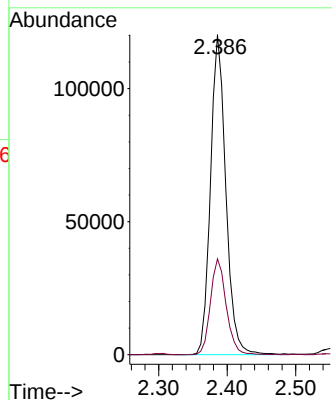
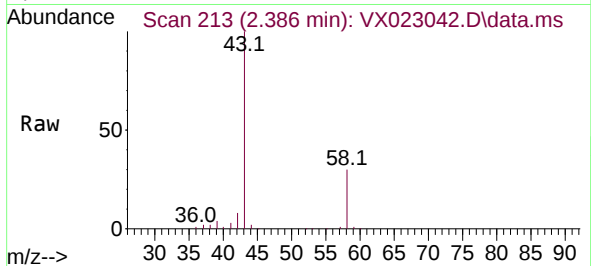




#16
Acetone
Concen: 447.759 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

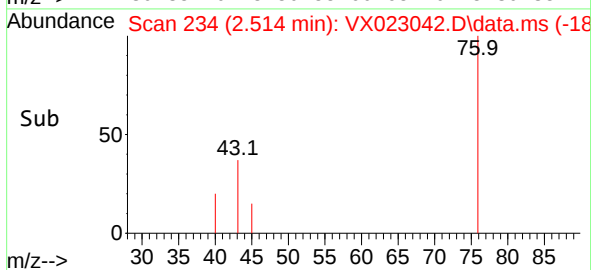
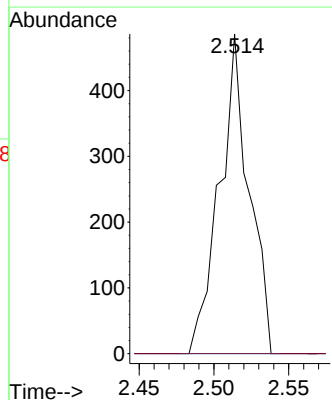
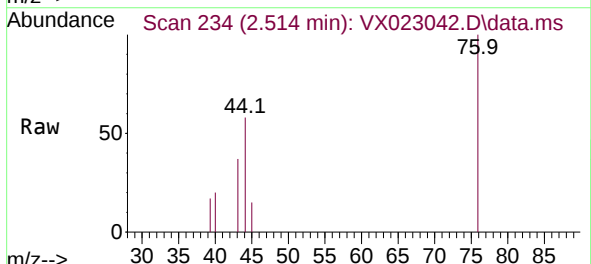
Instrument :
MSVOA_X
ClientSampled :

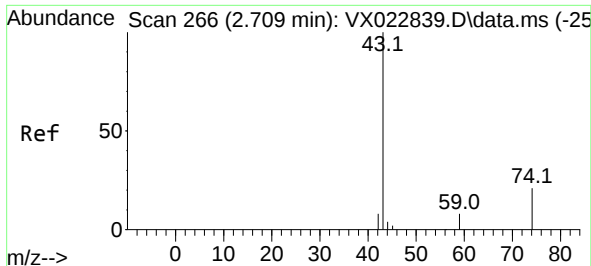
Tgt Ion: 43 Resp: 187438
Ion Ratio Lower Upper
43 100
58 30.0 27.8 41.8



#17
Carbon Disulfide
Concen: 3.852 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

Tgt Ion: 76 Resp: 665
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 0.439 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX023042.D

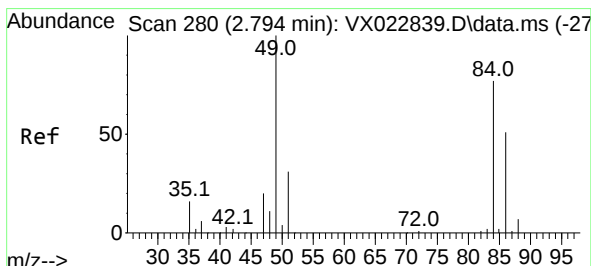
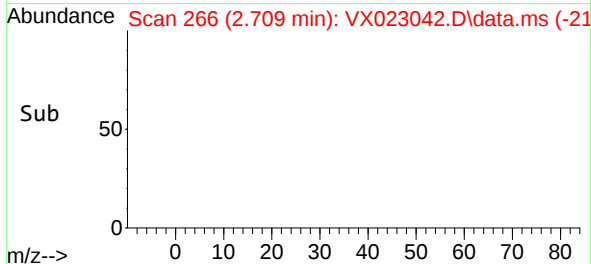
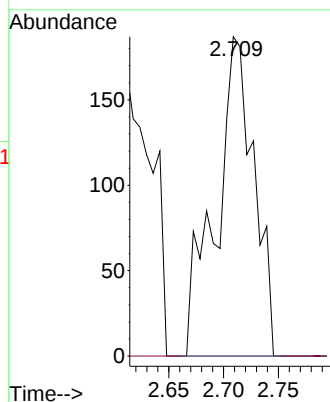
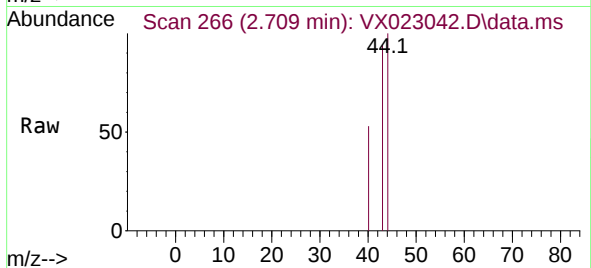
Acq: 30 Jun 2021 18:28

Tgt Ion: 43 Resp: 452

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



#20

Methylene Chloride

Concen: 0.607 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX023042.D

Acq: 30 Jun 2021 18:28

Tgt Ion: 84 Resp: 196

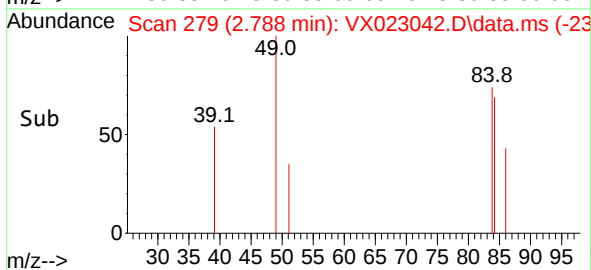
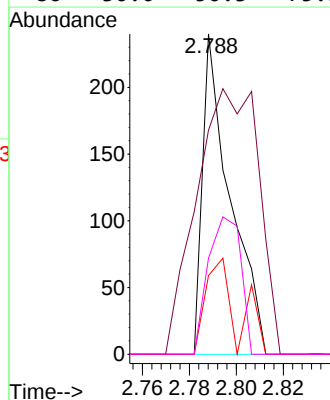
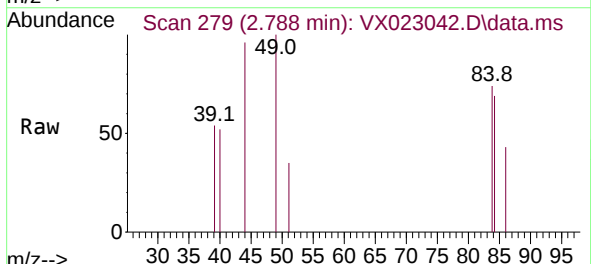
Ion Ratio Lower Upper

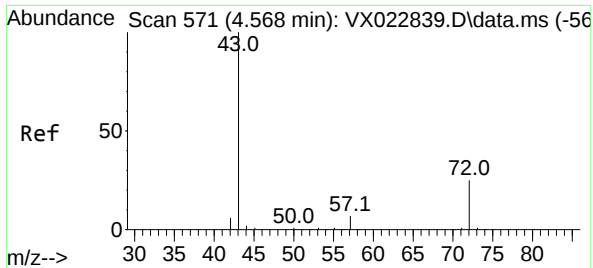
84 100

49 70.0 88.6 132.8#

51 24.6 27.0 40.6#

86 30.0 50.3 75.5#

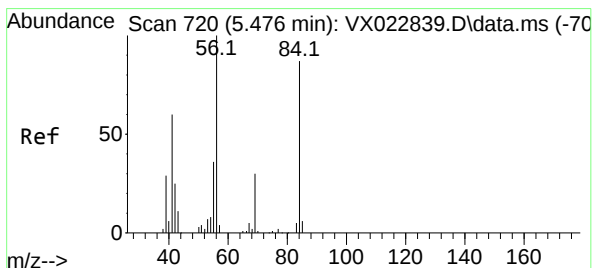
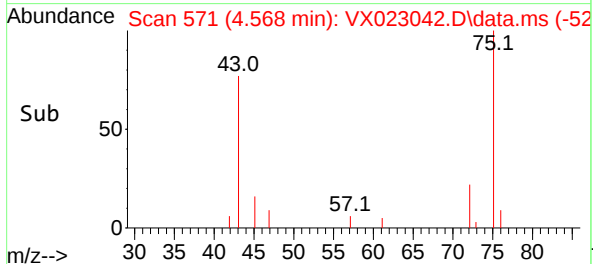
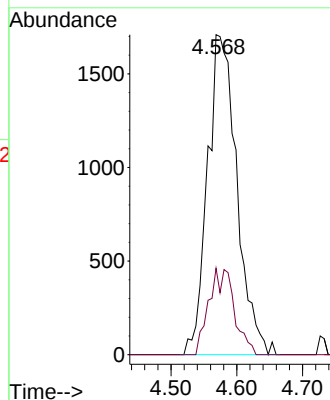
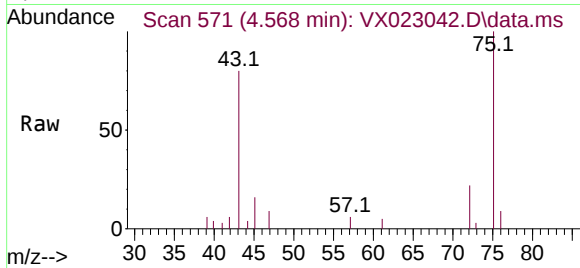




#25
2-Butanone
Concen: 8.159 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

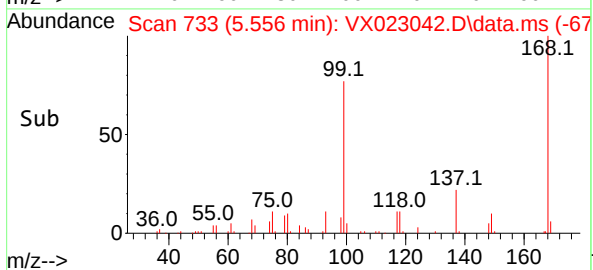
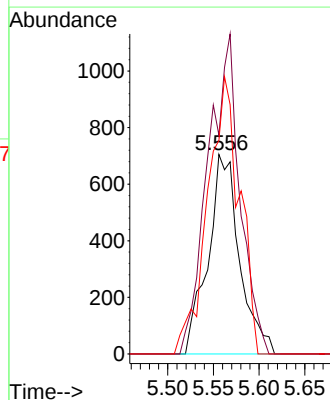
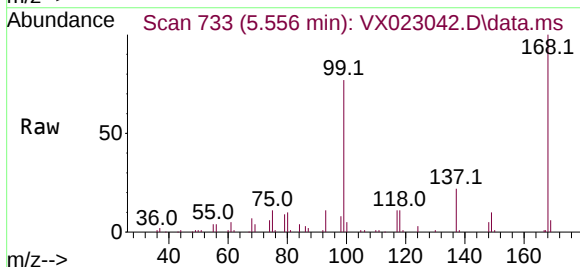
Instrument :
MSVOA_X
ClientSampled :

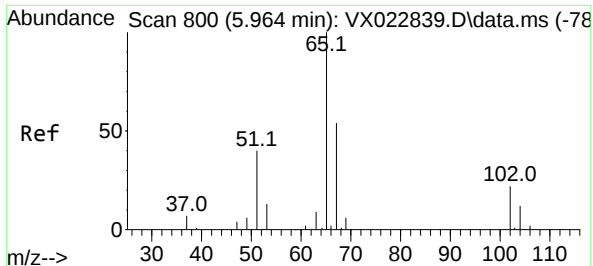
Tgt Ion: 43 Resp: 5311
Ion Ratio Lower Upper
43 100
72 27.0 23.7 35.5



#31
Cyclohexane
Concen: 1.268 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.080 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

Tgt Ion: 56 Resp: 1691
Ion Ratio Lower Upper
56 100
69 109.6 25.3 37.9#
84 107.1 71.4 107.0#



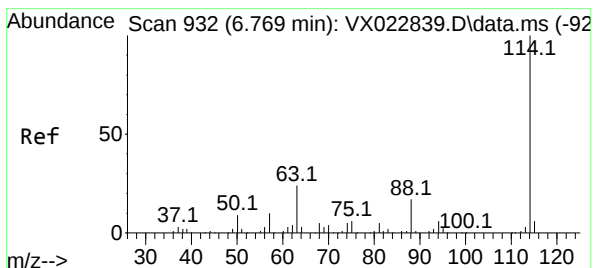
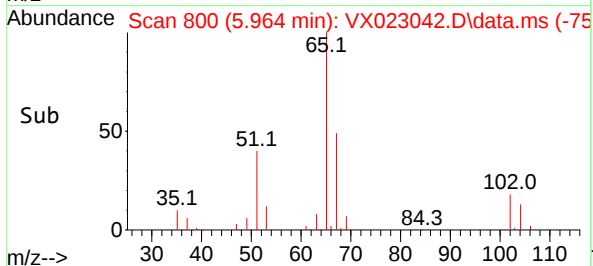
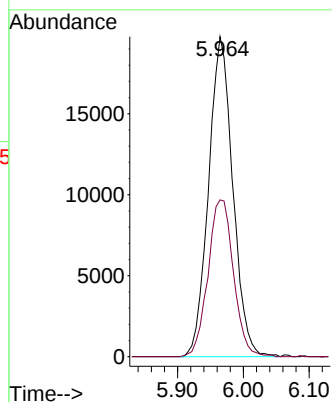
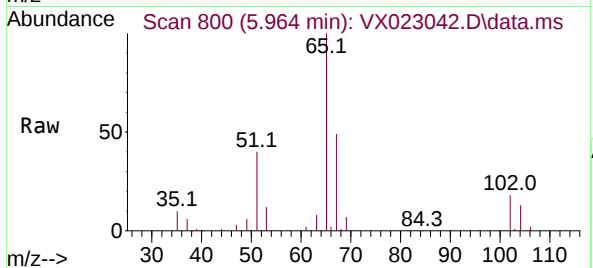


#33

1,2-Dichloroethane-d4
Concen: 53.698 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

Instrument :
MSVOA_X
ClientSampled :

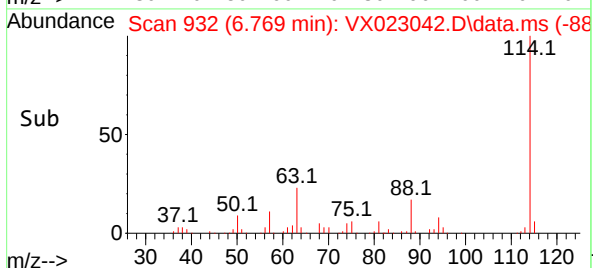
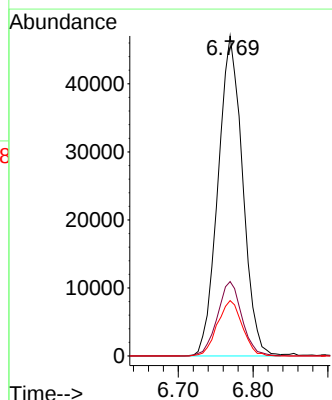
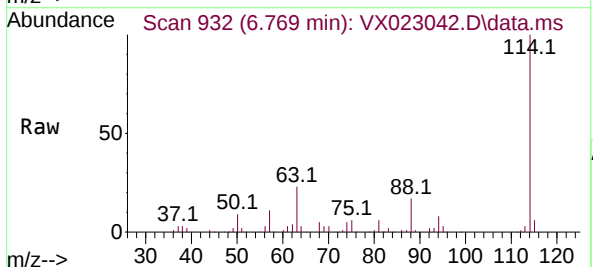
Tgt Ion: 65 Resp: 50705
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.4

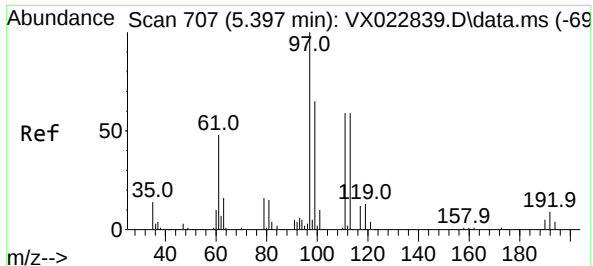


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

Tgt Ion: 114 Resp: 107652
Ion Ratio Lower Upper
114 100
63 23.3 0.0 40.8
88 17.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.011 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023042.D

Acq: 30 Jun 2021 18:28

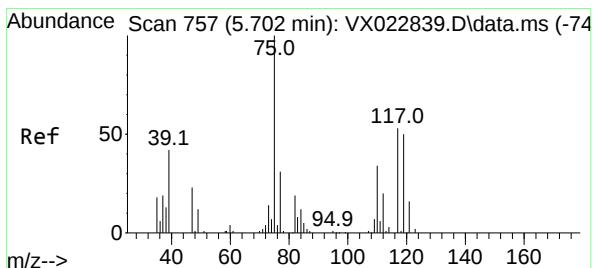
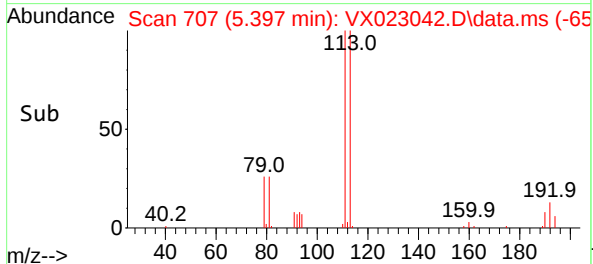
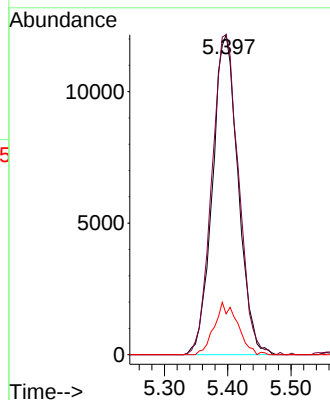
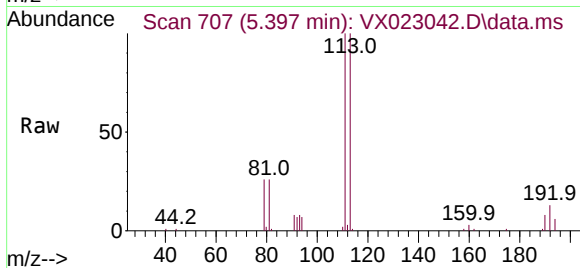
Tgt Ion:113 Resp: 34188

Ion Ratio Lower Upper

113 100

111 104.1 81.9 122.9

192 14.9 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 5.082 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023042.D

Acq: 30 Jun 2021 18:28

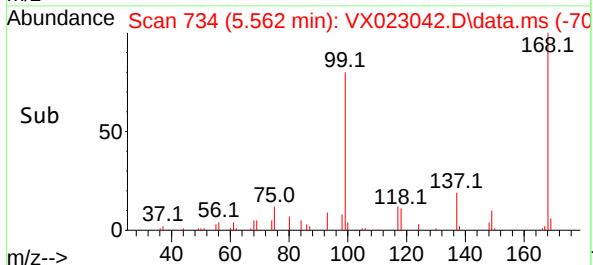
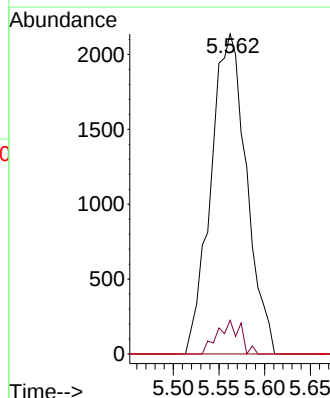
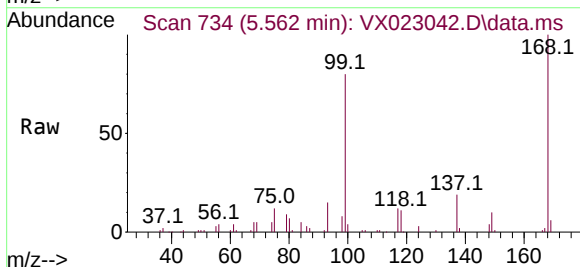
Tgt Ion: 75 Resp: 5811

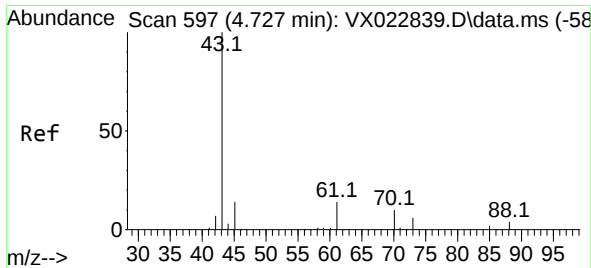
Ion Ratio Lower Upper

75 100

110 6.7 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 4.010 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.159 min

Lab File: VX023042.D

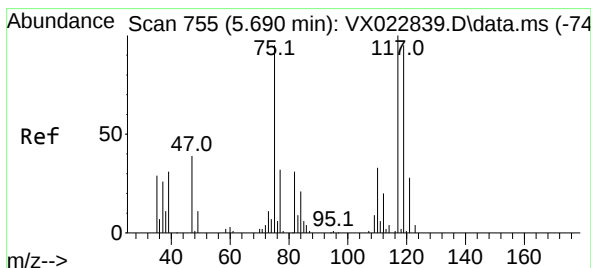
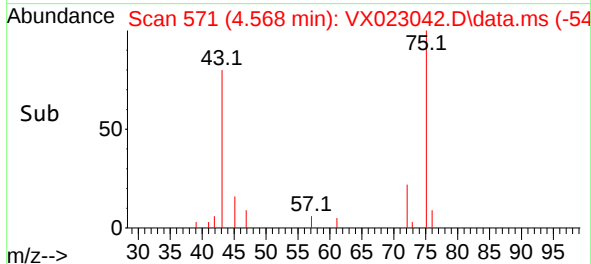
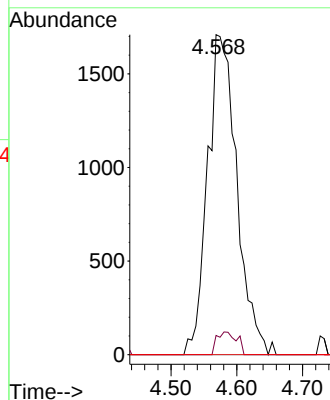
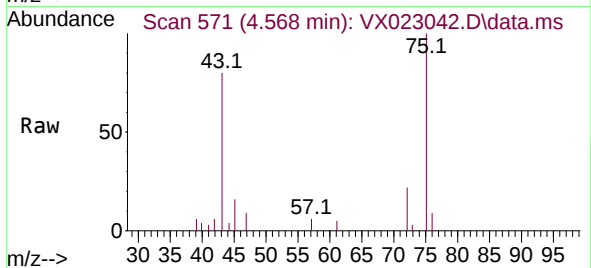
Acq: 30 Jun 2021 18:28

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	5311
Ion	Ratio	Lower	Upper
43	100		
61	4.8	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 6.390 ug/l

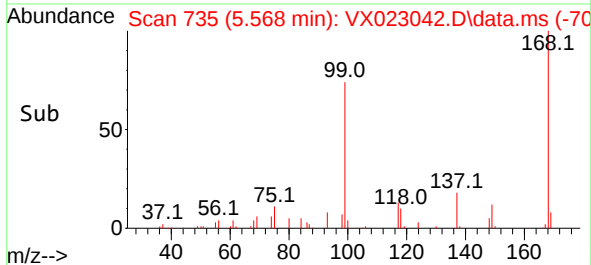
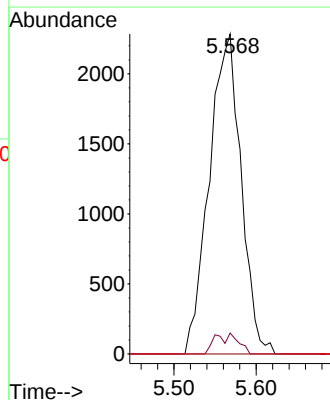
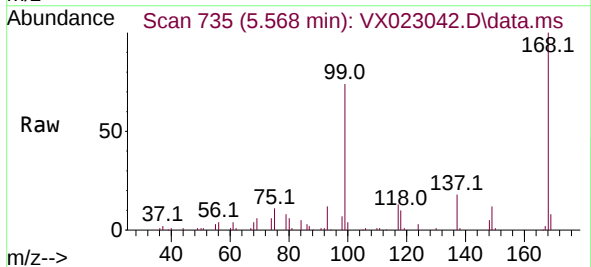
RT: 5.568 min Scan# 735

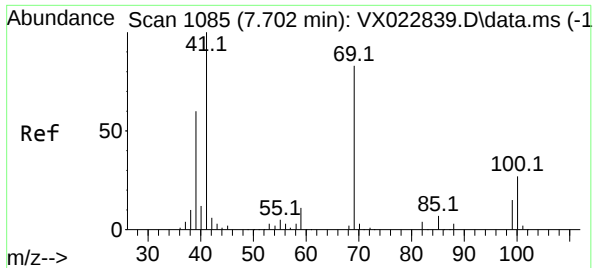
Delta R.T. -0.122 min

Lab File: VX023042.D

Acq: 30 Jun 2021 18:28

Tgt Ion:	117	Resp:	6128
Ion	Ratio	Lower	Upper
117	100		
119	6.5	76.2	114.2#
121	0.0	24.8	37.2#

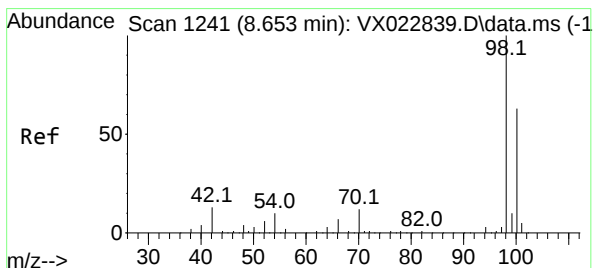
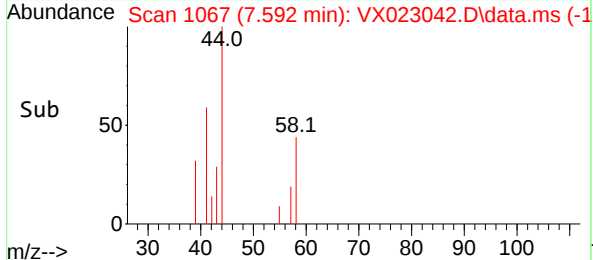
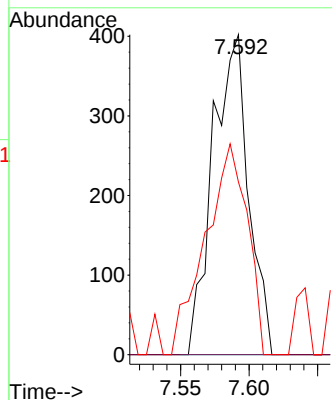
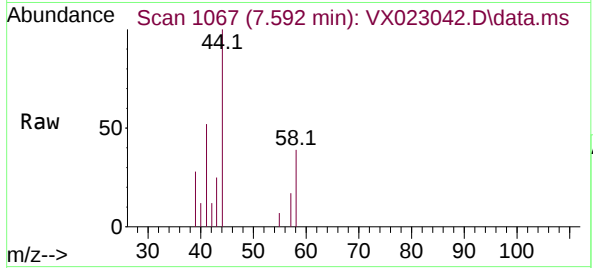




#48
Methyl methacrylate
Concen: 0.743 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. -0.110 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

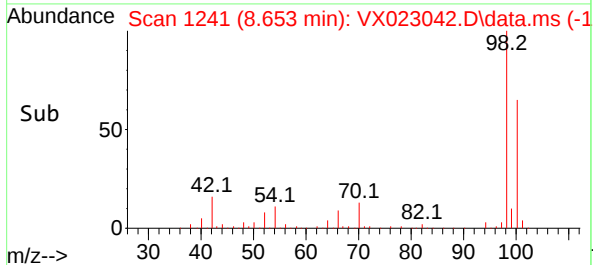
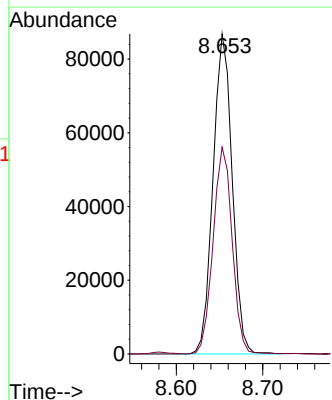
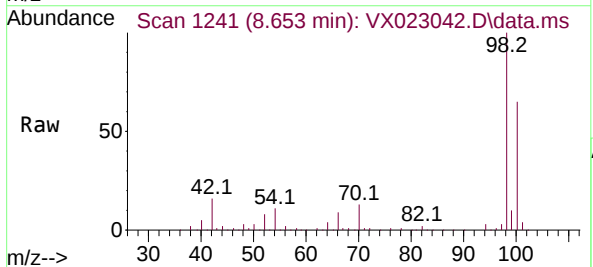
Instrument :
MSVOA_X
ClientSampled :

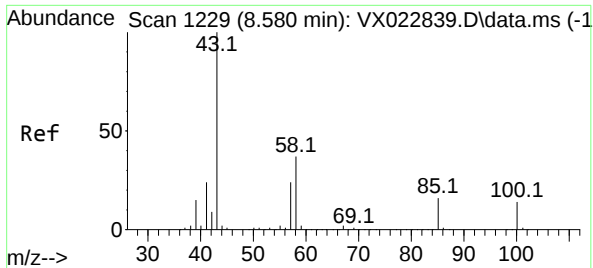
Tgt Ion: 41 Resp: 732
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 77.2 44.6 67.0#



#50
Toluene-d8
Concen: 49.798 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

Tgt Ion: 98 Resp: 133421
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9

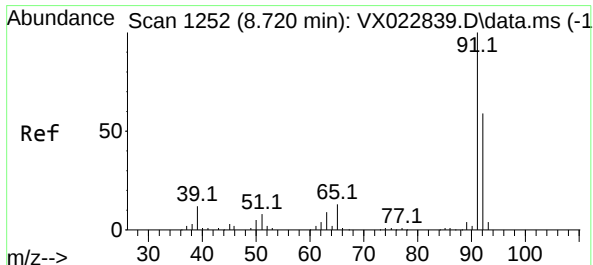
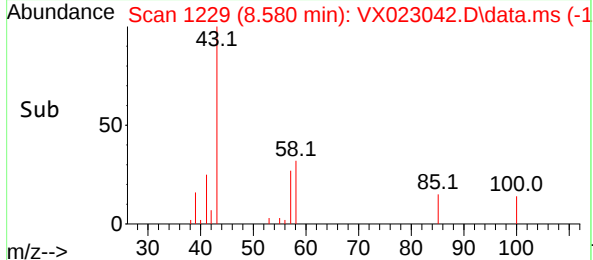
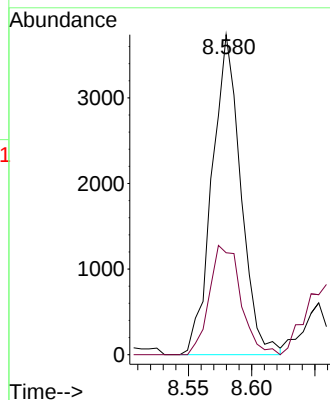
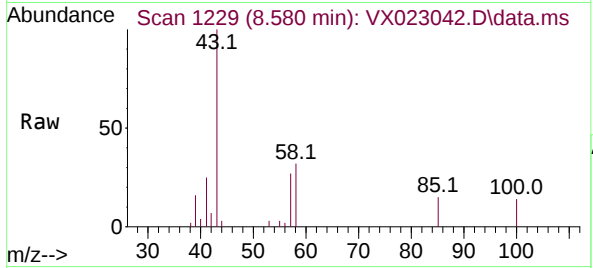




#51
4-Methyl-2-Pentanone
Concen: 4.452 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

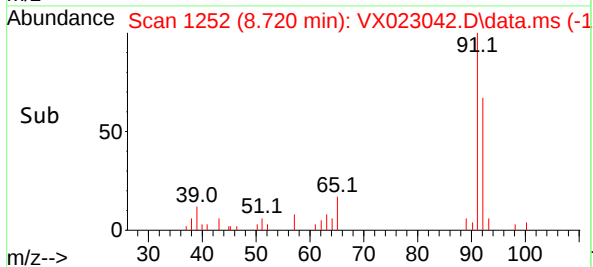
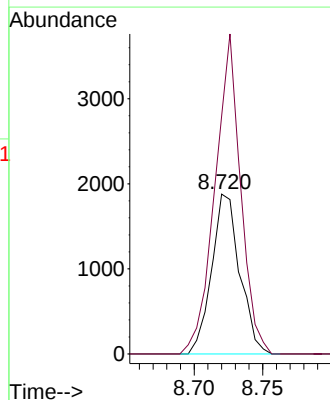
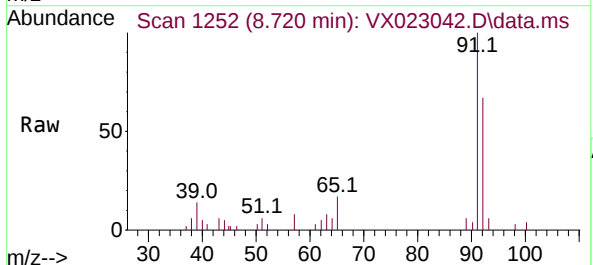
Instrument :
MSVOA_X
ClientSampled :

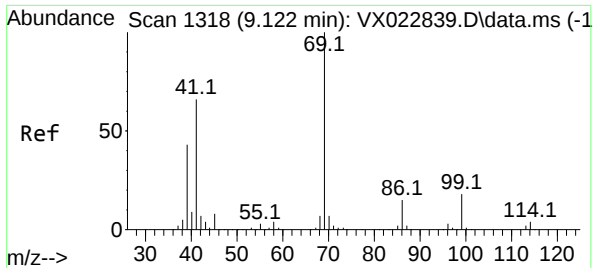
Tgt Ion: 43 Resp: 5900
Ion Ratio Lower Upper
43 100
58 37.3 35.4 53.0



#52
Toluene
Concen: 1.345 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

Tgt Ion: 92 Resp: 2681
Ion Ratio Lower Upper
92 100
91 182.8 137.1 205.7

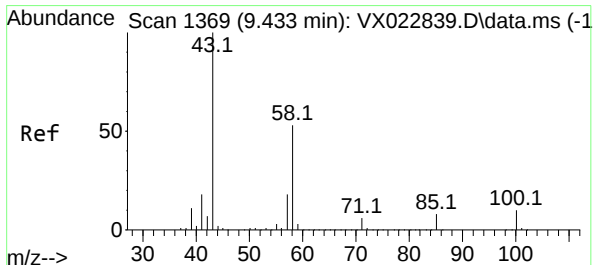
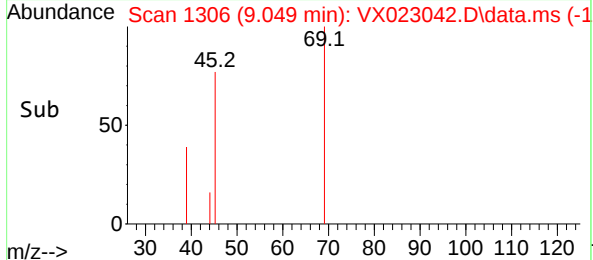
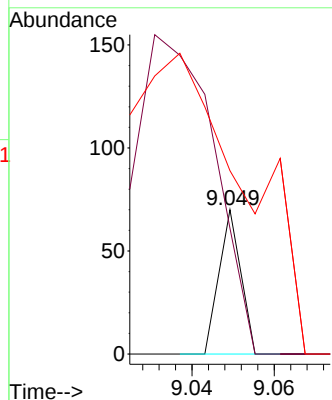
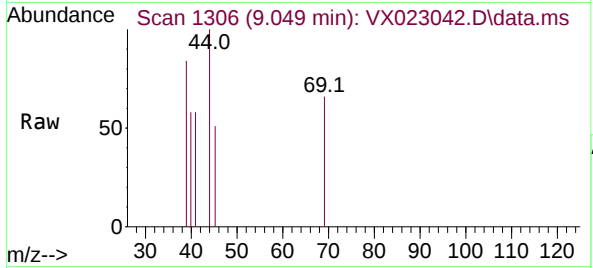




#56
Ethyl methacrylate
Concen: 2.596 ug/l
RT: 9.049 min Scan# 1306
Delta R.T. -0.073 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

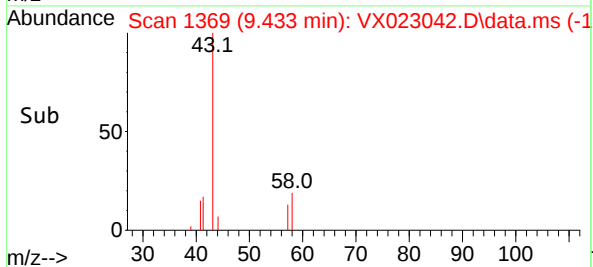
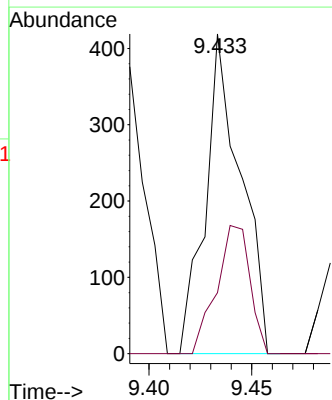
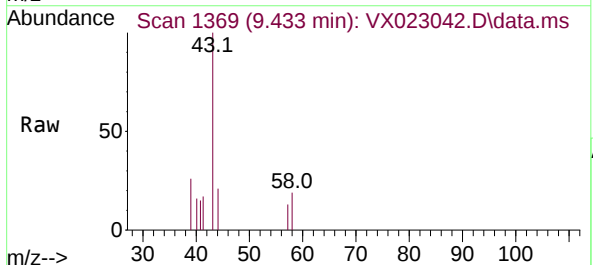
Instrument :
MSVOA_X
ClientSampled :

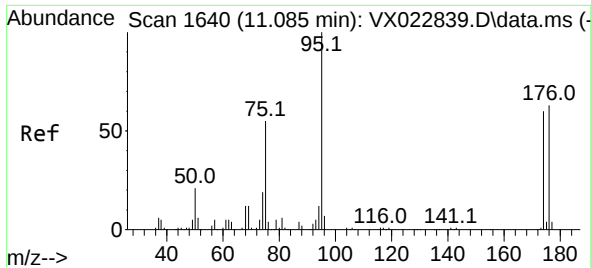
Tgt Ion: 69 Resp: 26
Ion Ratio Lower Upper
69 100
41 1165.4 46.8 70.2#
39 1626.9 24.7 37.1#



#59
2-Hexanone
Concen: 0.499 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

Tgt Ion: 43 Resp: 502
Ion Ratio Lower Upper
43 100
58 37.8 30.9 92.8

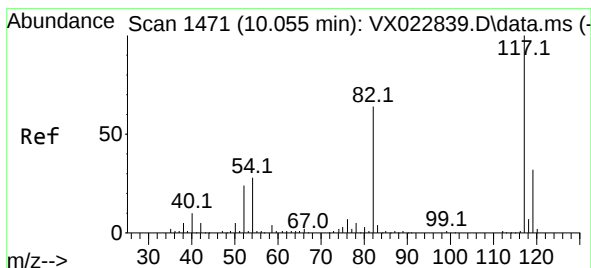
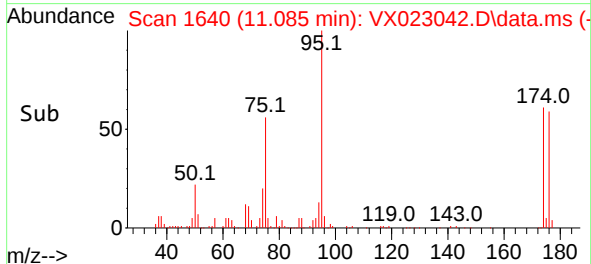
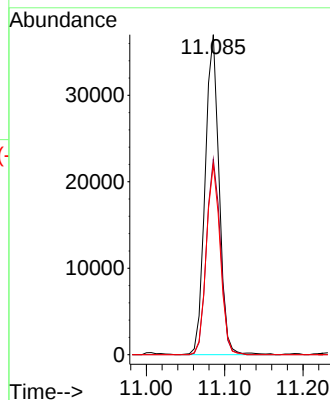
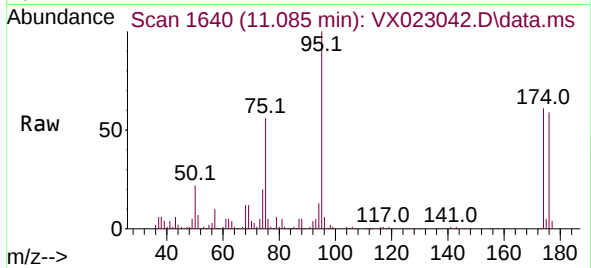




#62
4-Bromofluorobenzene
Concen: 45.860 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

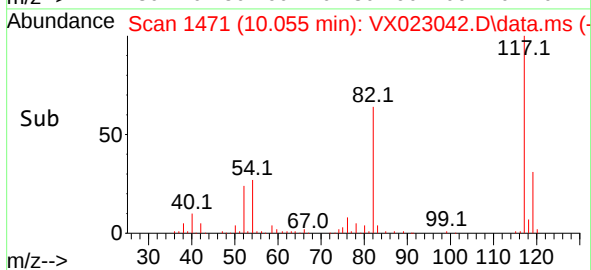
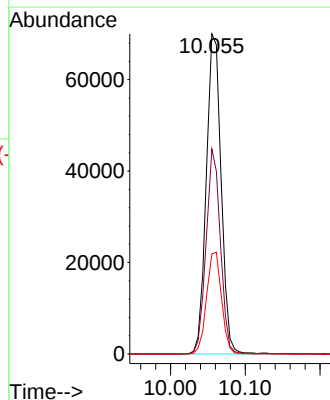
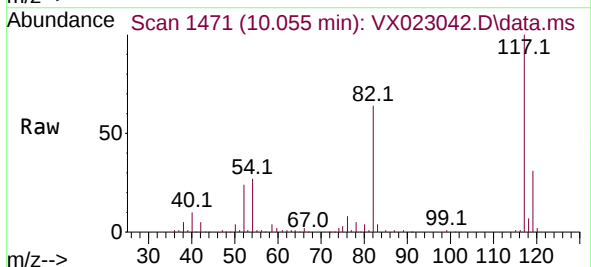
Instrument :
MSVOA_X
ClientSampleId :

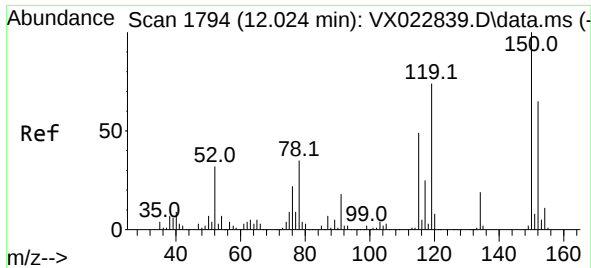
Tgt Ion: 95 Resp: 45856
Ion Ratio Lower Upper
95 100
174 60.8 0.0 154.6
176 58.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

Tgt Ion: 117 Resp: 96590
Ion Ratio Lower Upper
117 100
82 64.0 47.4 71.2
119 31.3 26.6 39.8

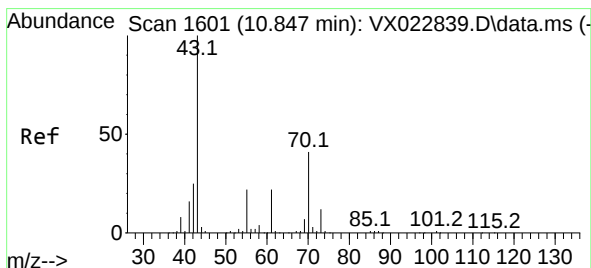
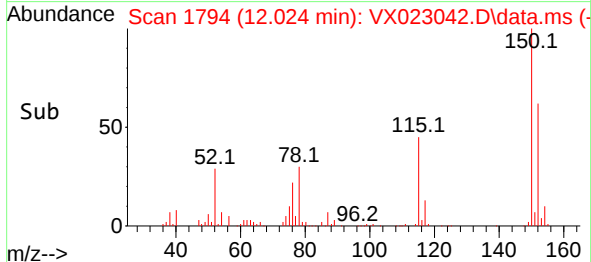
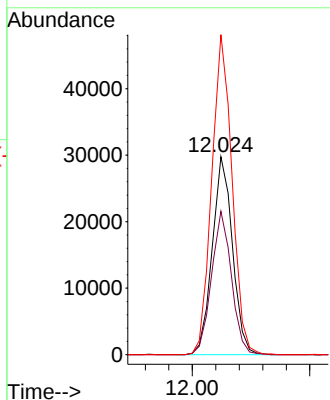
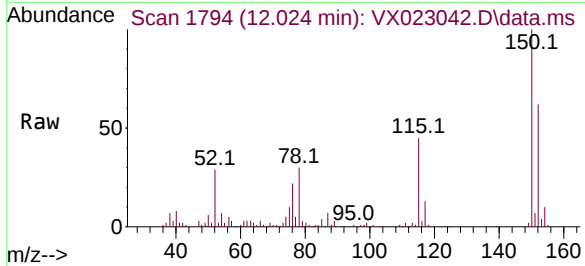




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

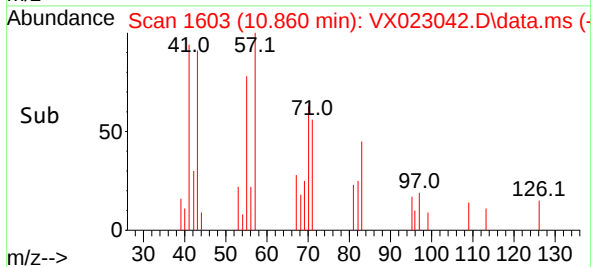
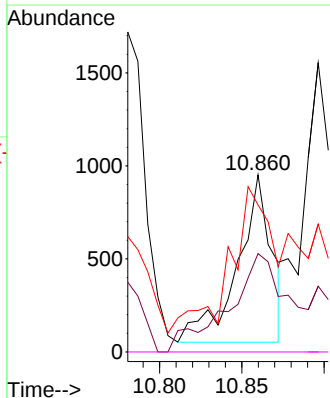
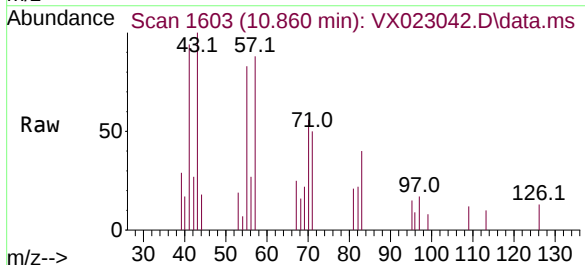
Instrument :
MSVOA_X
ClientSampled :

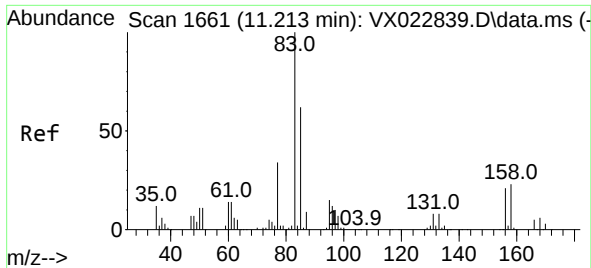
Tgt Ion:152 Resp: 35585
Ion Ratio Lower Upper
152 100
115 71.4 41.1 123.3
150 162.1 0.0 349.0



#74
N-ethyl acetate
Concen: 2.792 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.013 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

Tgt Ion: 43 Resp: 1306
Ion Ratio Lower Upper
43 100
70 102.3 39.0 58.6#
55 105.1 21.5 32.3#
61 0.0 22.1 33.1#

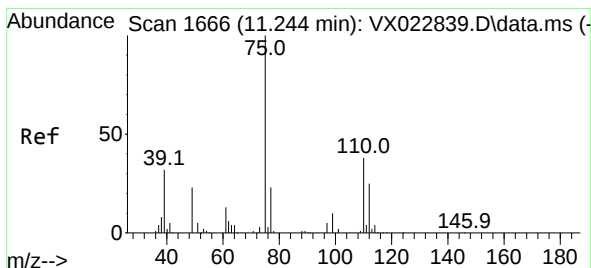
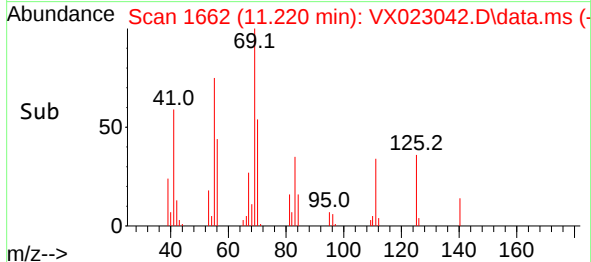
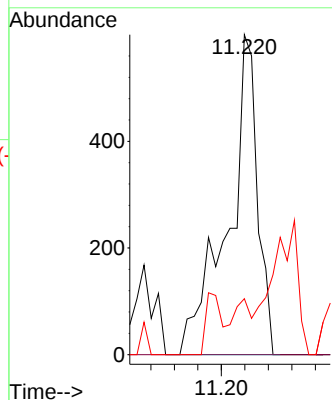
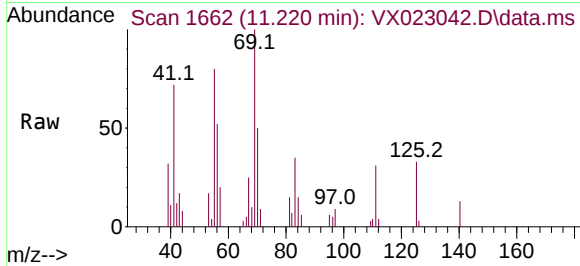




#75
1,1,2,2-Tetrachloroethane
Concen: 1.010 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.007 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

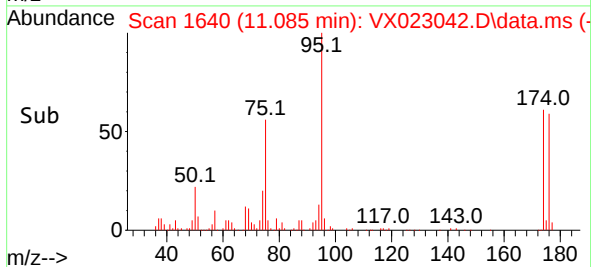
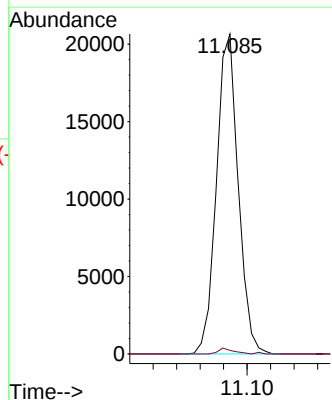
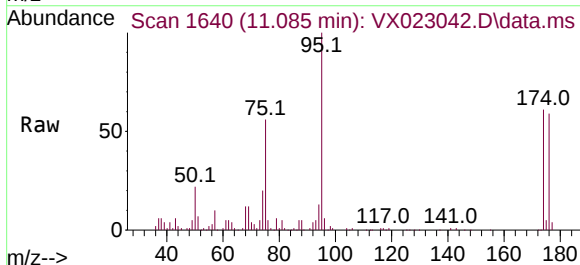
Instrument :
MSVOA_X
ClientSampled :

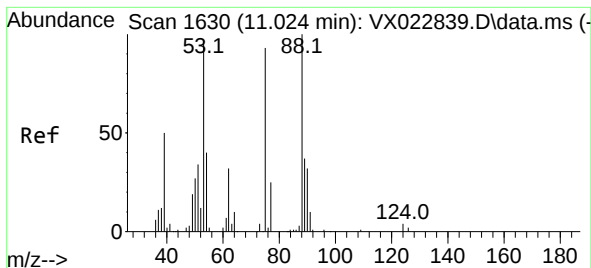
Tgt Ion: 83 Resp: 1045
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.2#
85 9.2 31.8 95.4#



#76
1,2,3-Trichloropropane
Concen: 28.241 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

Tgt Ion: 75 Resp: 26545
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

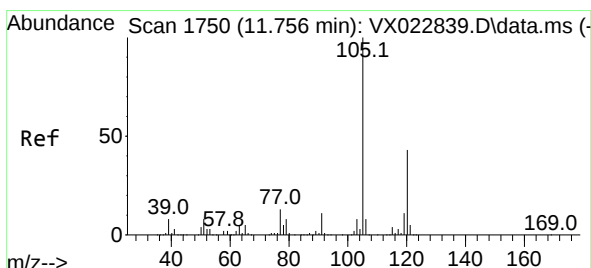
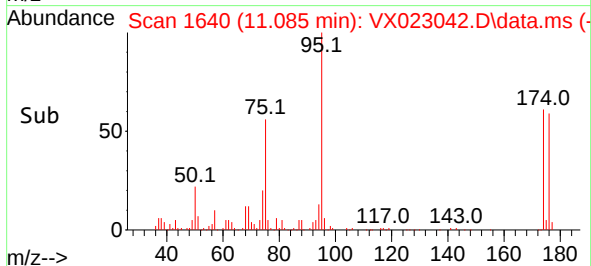
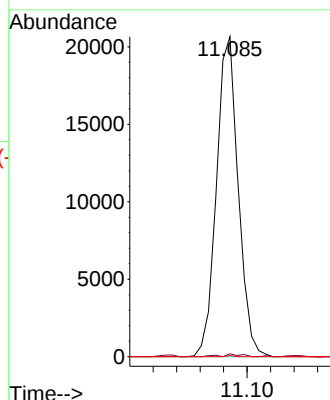
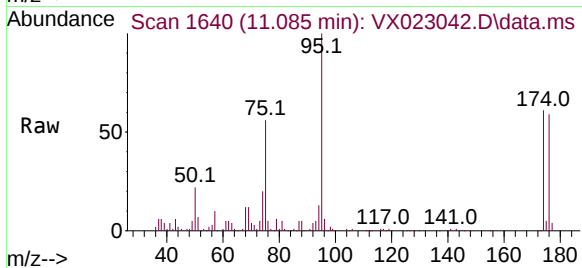




#81
trans-1,4-Dichloro-2-butene
Concen: 72.859 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

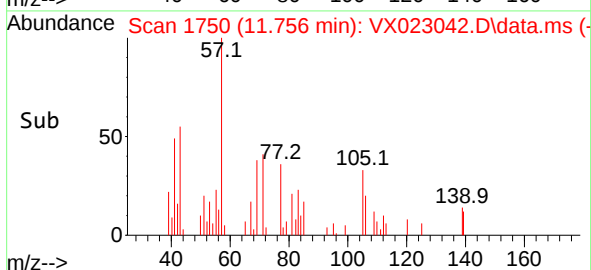
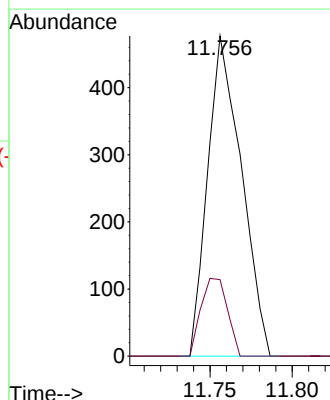
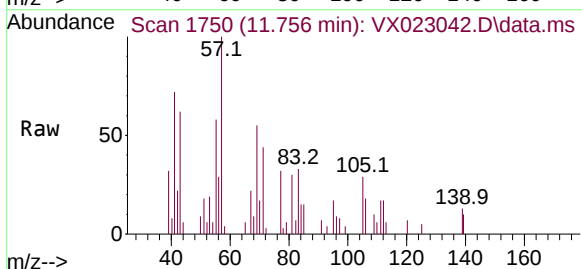
Instrument :
MSVOA_X
ClientSampled :

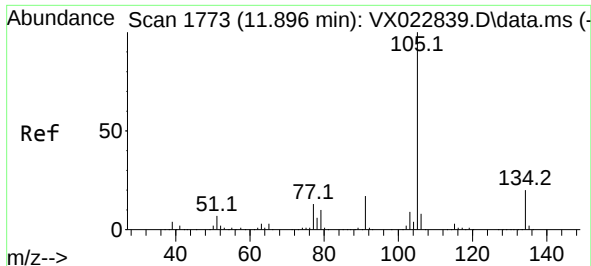
Tgt Ion: 75 Resp: 26545
Ion Ratio Lower Upper
75 100
53 0.8 74.5 111.7#
89 0.1 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.273 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

Tgt Ion: 105 Resp: 680
Ion Ratio Lower Upper
105 100
120 19.0 22.4 67.3#

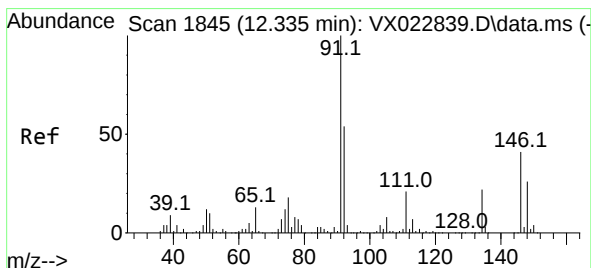
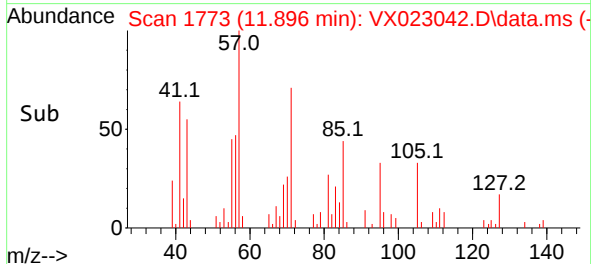
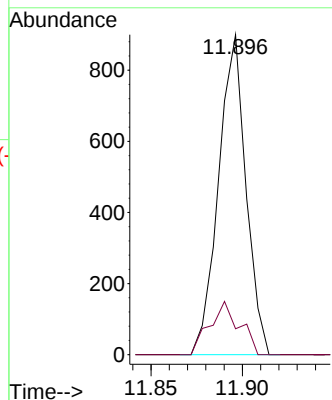
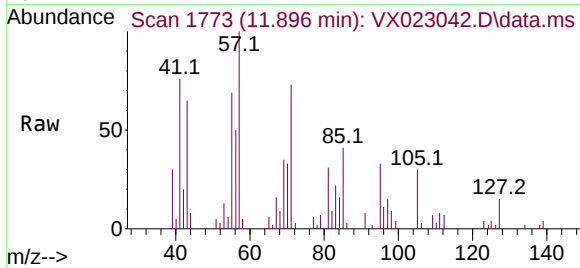




#85
sec-Butylbenzene
Concen: 0.298 ug/l
RT: 11.896 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

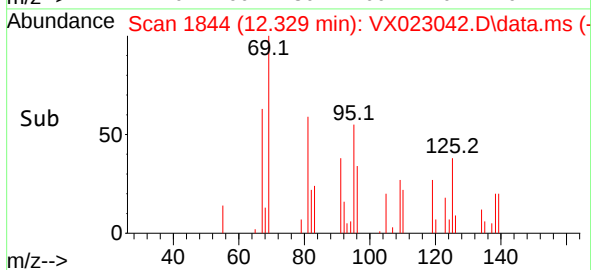
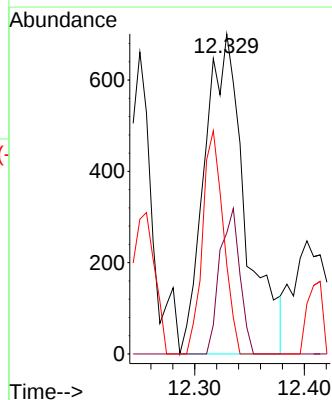
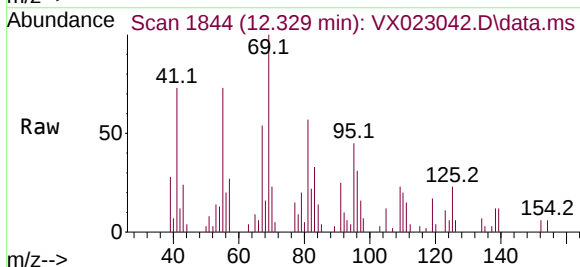
Instrument :
MSVOA_X
ClientSampled :

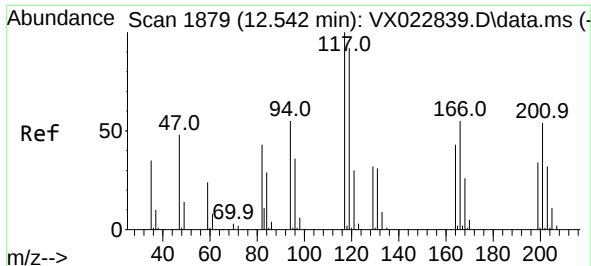
Tgt Ion:105 Resp: 939
Ion Ratio Lower Upper
105 100
134 18.1 10.0 29.8



#89
n-Butylbenzene
Concen: 0.757 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

Tgt Ion: 91 Resp: 1801
Ion Ratio Lower Upper
91 100
92 22.5 27.4 82.0#
134 36.0 13.2 39.5

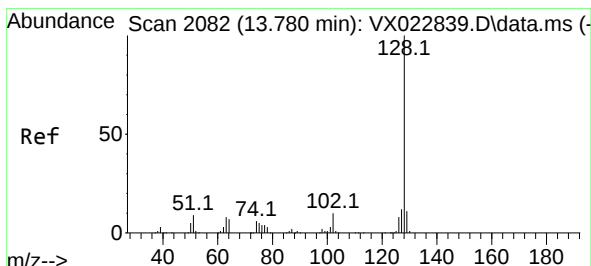
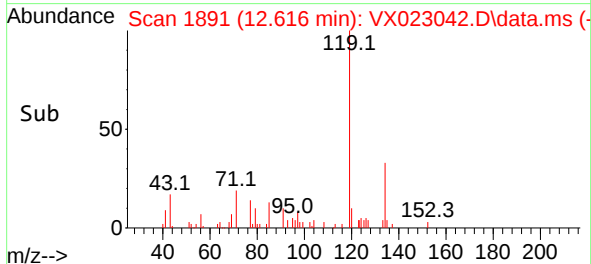
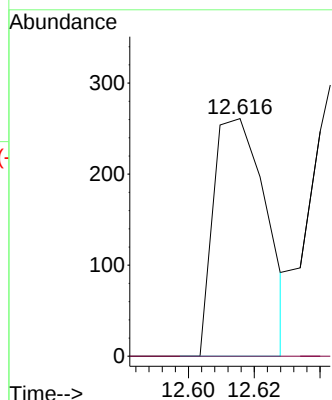
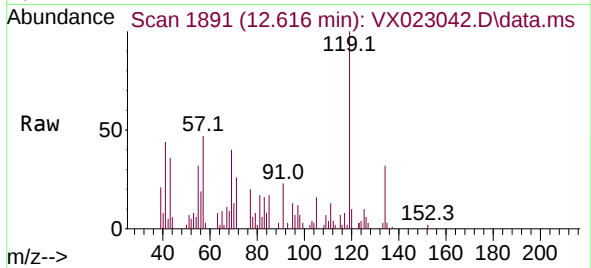




#90
Hexachloroethane
Concen: 4.299 ug/l
RT: 12.616 min Scan# 1891
Delta R.T. 0.074 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

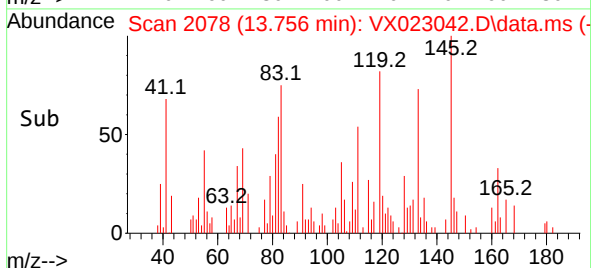
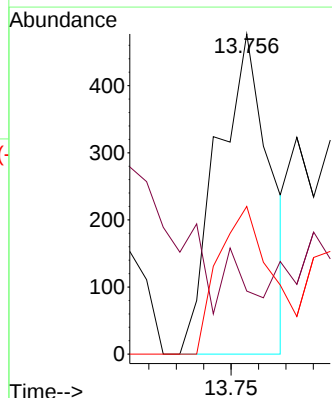
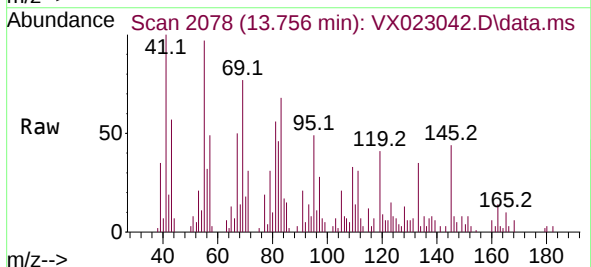
Instrument :
MSVOA_X
ClientSampleId :

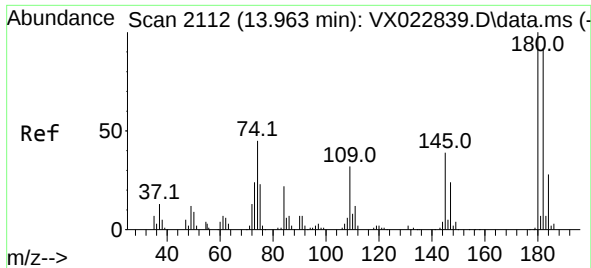
Tgt Ion:117 Resp: 294
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#95
Naphthalene
Concen: 2.134 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.024 min
Lab File: VX023042.D
Acq: 30 Jun 2021 18:28

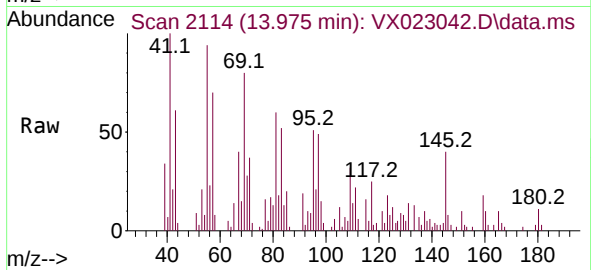
Tgt Ion:128 Resp: 638
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 47.5 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.588 ug/l
 RT: 13.975 min Scan# 2114
 Delta R.T. 0.012 min
 Lab File: VX023042.D
 Acq: 30 Jun 2021 18:28

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 387
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.6 142.9#
 145 466.9 16.1 48.3#

