

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062921\
 Data File : VX023016.D
 Acq On : 29 Jun 2021 20:14
 Operator : JC/MD
 Sample : M2875-20RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 30 01:46:27 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)

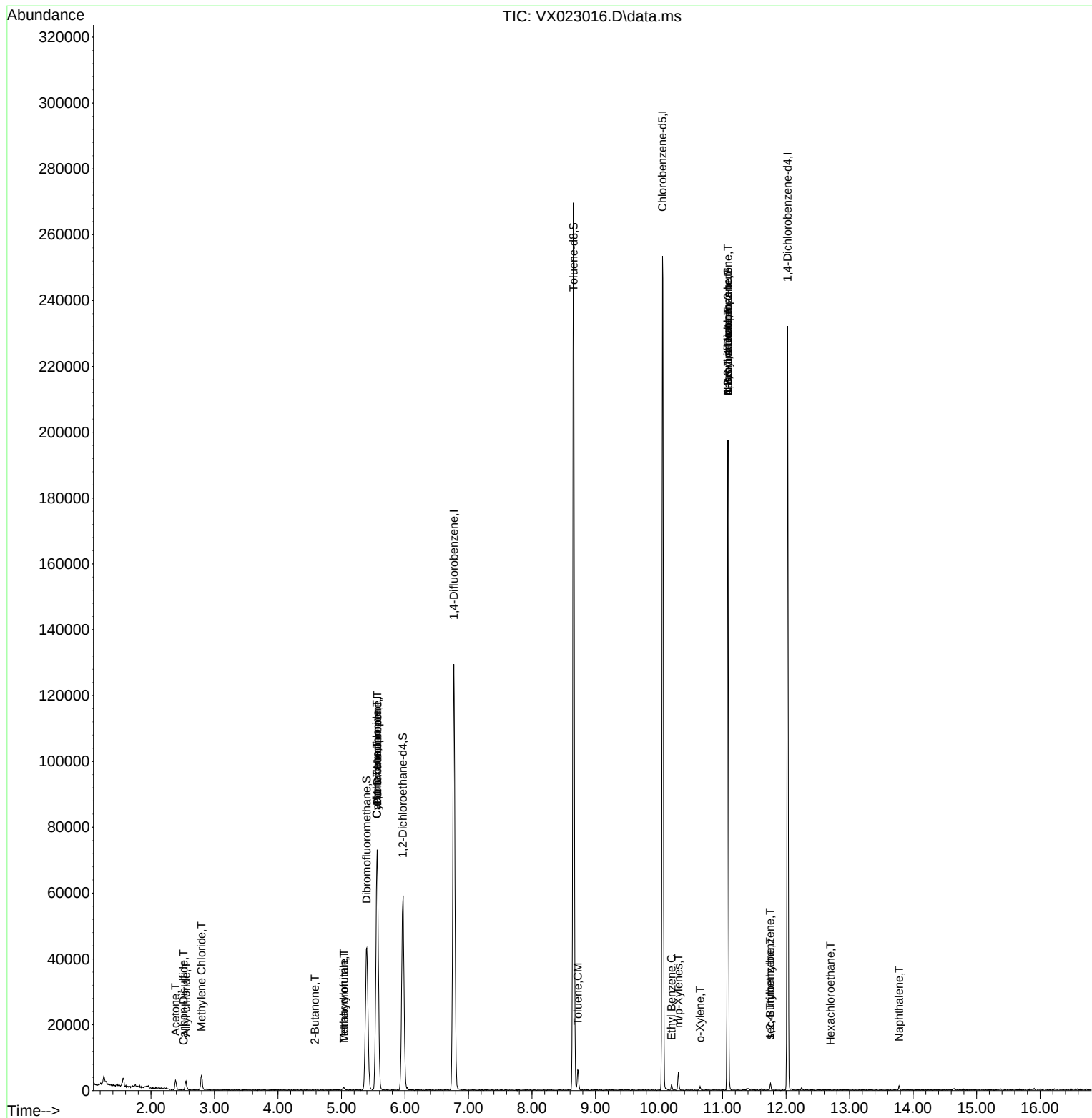
Internal Standards						
1) Pentafluorobenzene	5.562	168	57359	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	119789	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	107217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	53946	51.824	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.640%	
35) Dibromofluoromethane	5.397	113	36940	48.561	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.120%	
50) Toluene-d8	8.653	98	149170	50.036	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.080%	
62) 4-Bromofluorobenzene	11.085	95	50219	45.135	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.260%	
Target Compounds						
					Qvalue	
14) Allyl chloride	2.550	41	293	0.207	ug/l	# 57
16) Acetone	2.386	43	3280	7.108	ug/l	100
17) Carbon Disulfide	2.514	76	27	3.528	ug/l	# 75
20) Methylene Chloride	2.794	84	1883	2.414	ug/l	# 79
25) 2-Butanone	4.580	43	417	0.581	ug/l	# 45
29) Tetrahydrofuran	5.038	42	526	1.140	ug/l	# 56
31) Cyclohexane	5.556	56	2090	1.422	ug/l	# 30
36) 1,1-Dichloropropene	5.562	75	6399	5.029	ug/l	# 49
38) Carbon Tetrachloride	5.556	117	7134	6.685	ug/l	# 16
41) Methacrylonitrile	5.038	41	402	0.495	ug/l	# 29
52) Toluene	8.720	92	2361	1.065	ug/l	88
67) Ethyl Benzene	10.195	91	1038	0.250	ug/l	# 65
68) m/p-Xylenes	10.305	106	1128	0.731	ug/l	91
69) o-Xylene	10.646	106	316	0.210	ug/l	91
74) N-amyl acetate	11.085	43	22	2.066	ug/l	# 1
76) 1,2,3-Trichloropropane	11.085	75	28458	28.163	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	28458	72.674	ug/l	# 12
84) 1,2,4-Trimethylbenzene	11.750	105	1221	0.456	ug/l	91
85) sec-Butylbenzene	11.750	105	1221	0.361	ug/l	# 57
90) Hexachloroethane	12.701	117	29	3.764	ug/l	# 9
95) Naphthalene	13.780	128	1082	2.256	ug/l	# 81

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

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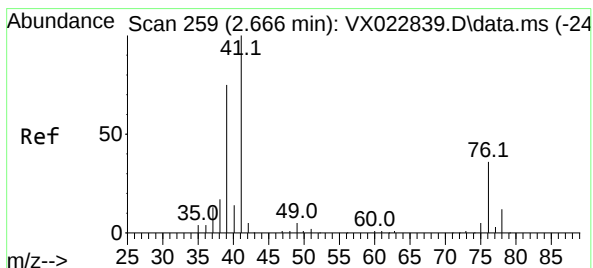
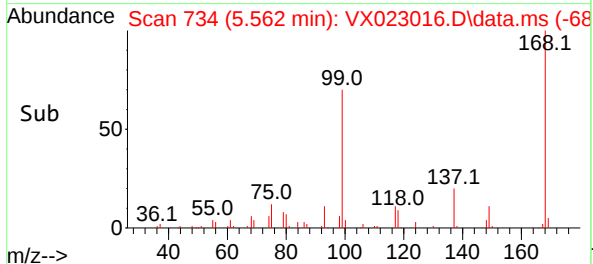
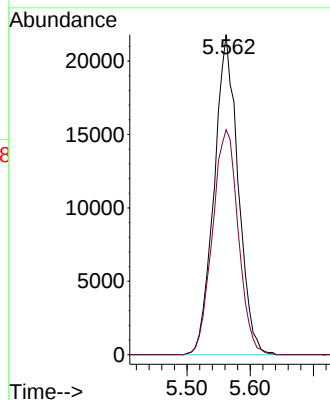
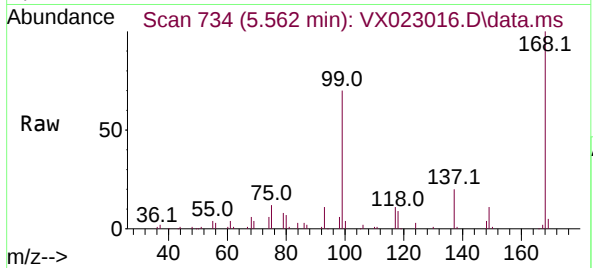




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

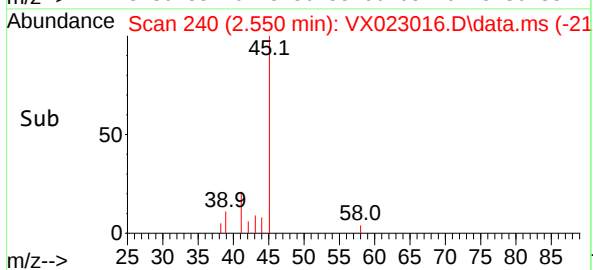
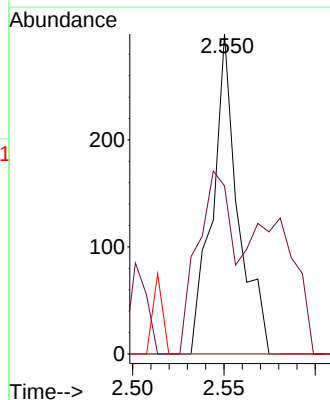
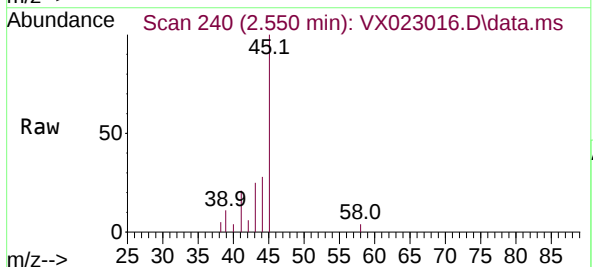
Instrument :
MSVOA_X
ClientSampleId :

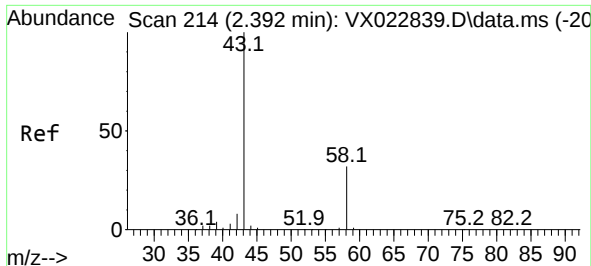
Tgt Ion:168 Resp: 57359
Ion Ratio Lower Upper
168 100
99 70.3 45.8 68.6#



#14
Allyl chloride
Concen: 0.207 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.116 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

Tgt Ion: 41 Resp: 293
Ion Ratio Lower Upper
41 100
39 88.7 51.6 77.4#
76 0.0 30.5 45.7#

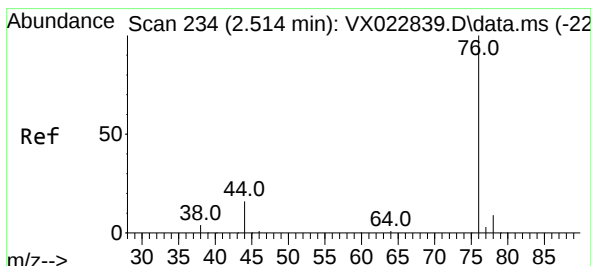
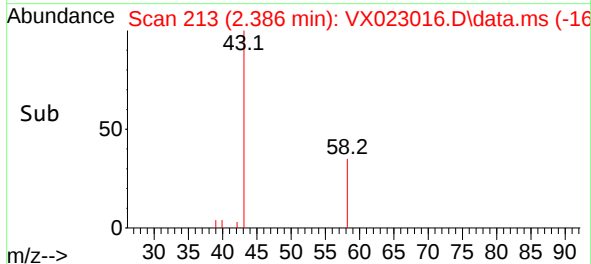
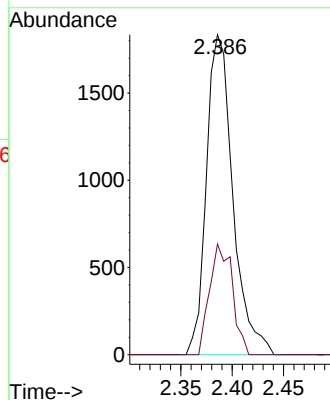
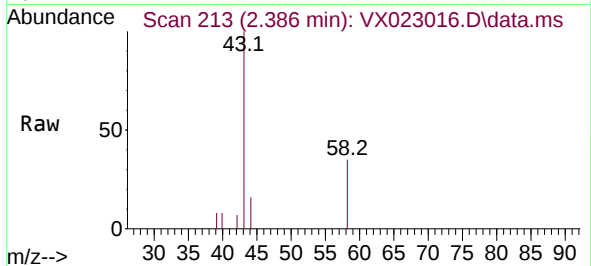




#16
Acetone
Concen: 7.108 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

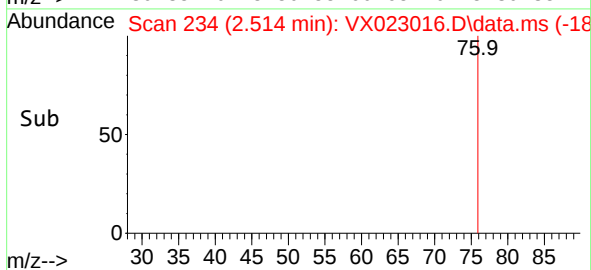
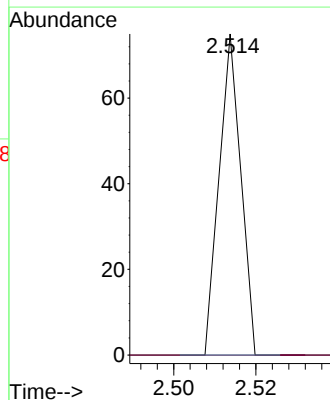
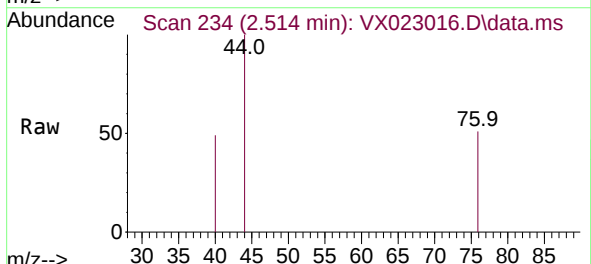
Instrument :
MSVOA_X
ClientSampleId :

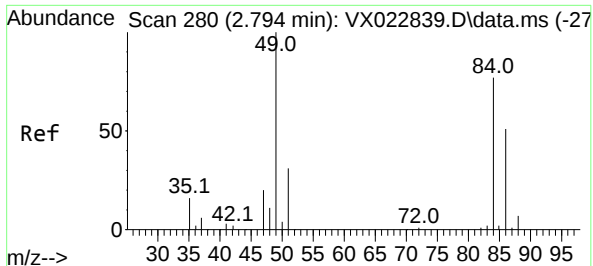
Tgt Ion: 43 Resp: 3280
Ion Ratio Lower Upper
43 100
58 34.6 27.8 41.8



#17
Carbon Disulfide
Concen: 3.528 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

Tgt Ion: 76 Resp: 27
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 2.414 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023016.D

Acq: 29 Jun 2021 20:14

Tgt Ion: 84 Resp: 1883

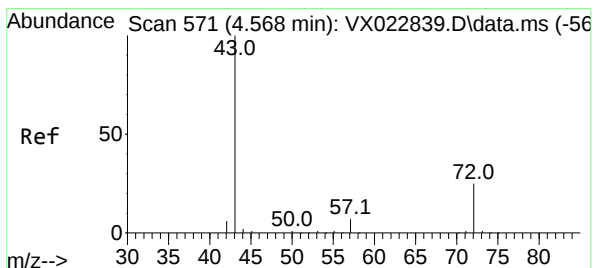
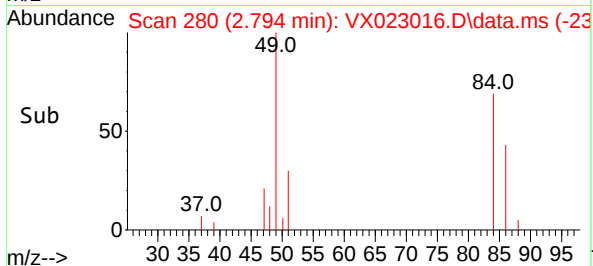
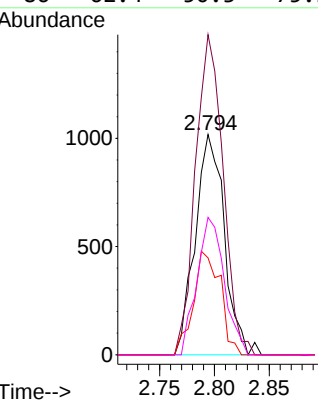
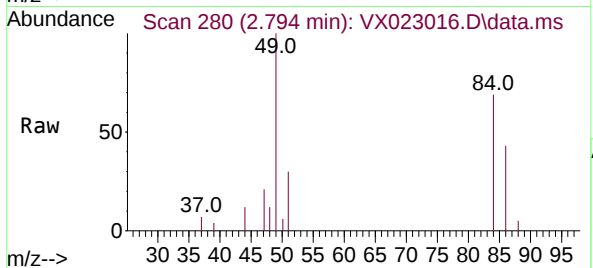
Ion Ratio Lower Upper

84 100

49 145.3 88.6 132.8#

51 44.0 27.0 40.6#

86 62.4 50.3 75.5



#25

2-Butanone

Concen: 0.581 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX023016.D

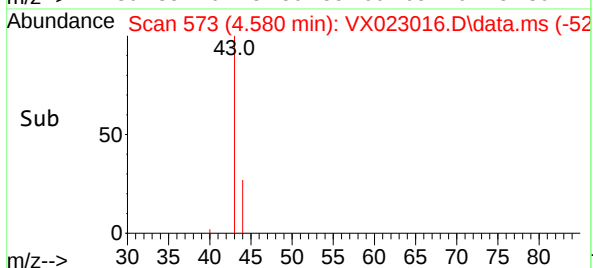
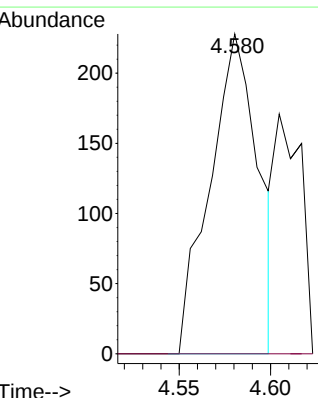
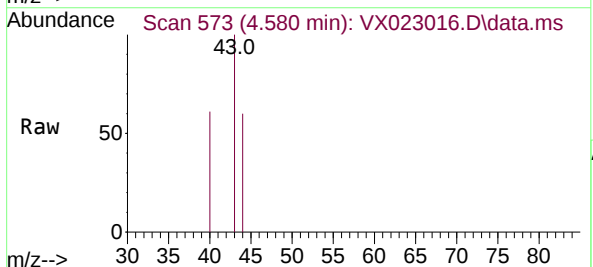
Acq: 29 Jun 2021 20:14

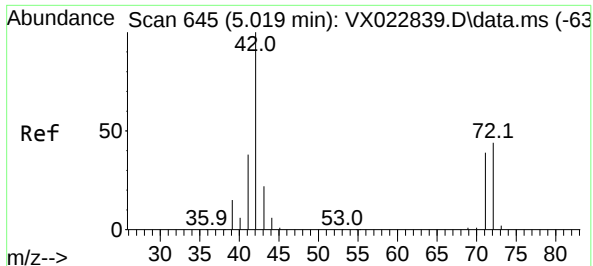
Tgt Ion: 43 Resp: 417

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 1.140 ug/l

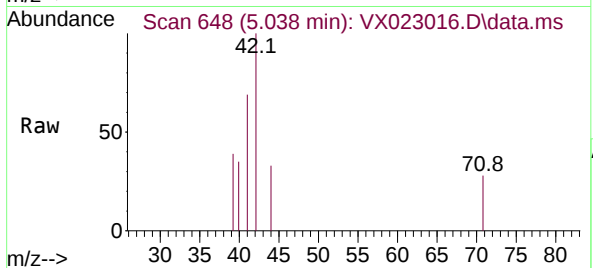
RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

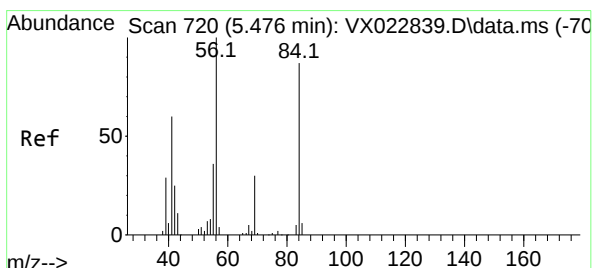
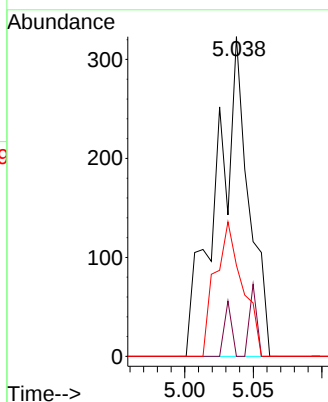
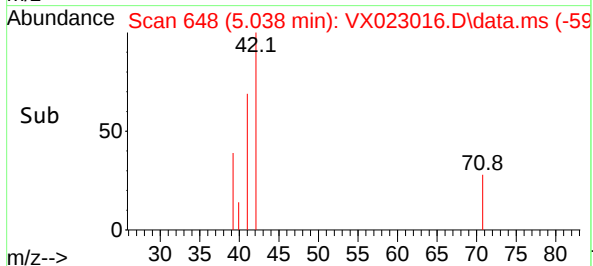
Lab File: VX023016.D

Acq: 29 Jun 2021 20:14

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion:	42	Resp:	526
Ion	Ratio	Lower	Upper
42	100		
72	3.8	41.7	62.5#
71	35.7	38.4	57.6#



#31

Cyclohexane

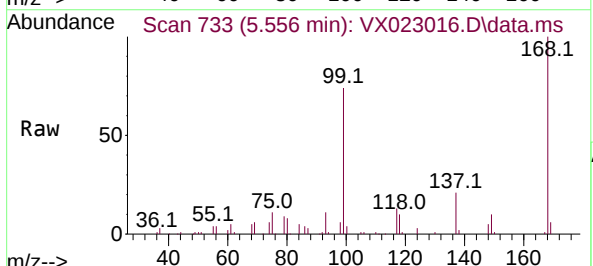
Concen: 1.422 ug/l

RT: 5.556 min Scan# 733

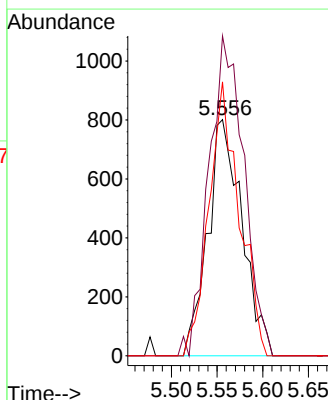
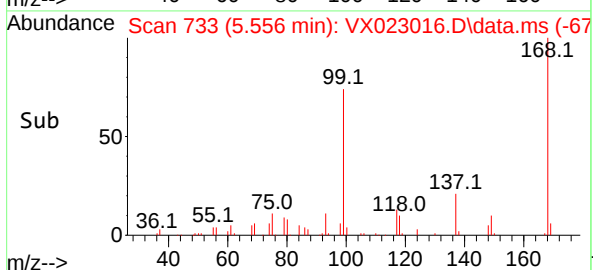
Delta R.T. 0.080 min

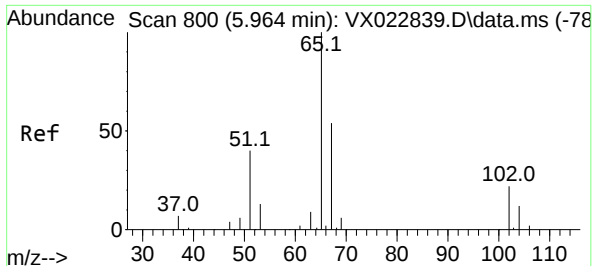
Lab File: VX023016.D

Acq: 29 Jun 2021 20:14



Tgt Ion:	56	Resp:	2090
Ion	Ratio	Lower	Upper
56	100		
69	135.5	25.3	37.9#
84	116.0	71.4	107.0#



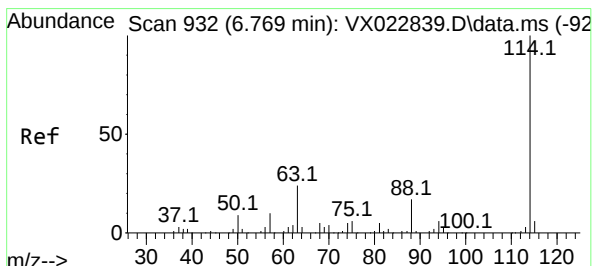
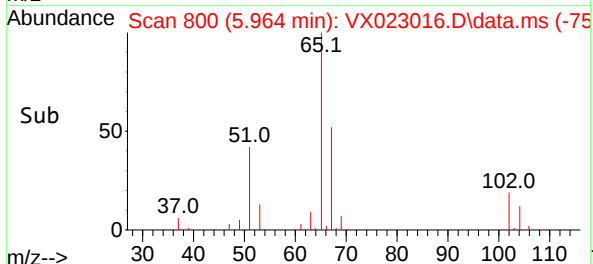
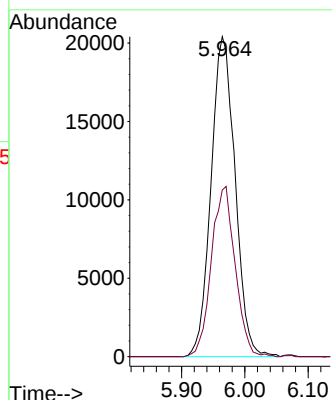
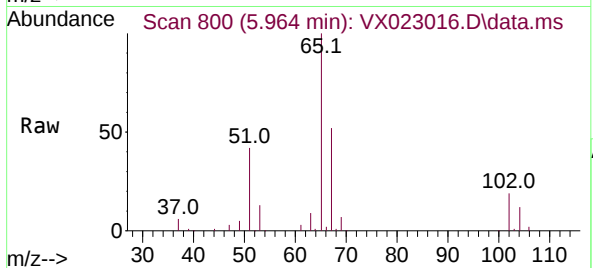


#33

1,2-Dichloroethane-d4
Concen: 51.824 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

Instrument :
MSVOA_X
ClientSampleId :

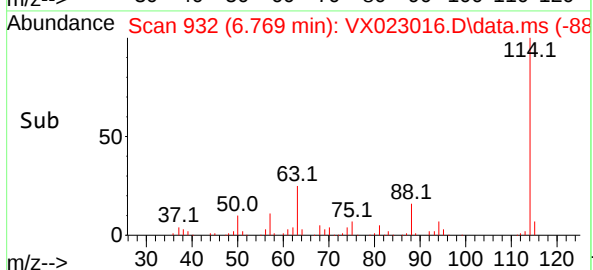
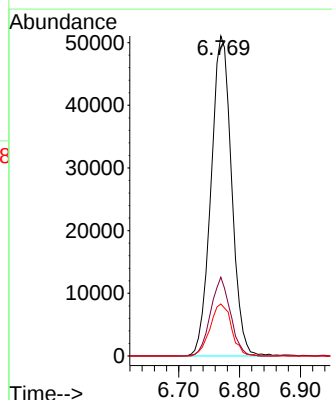
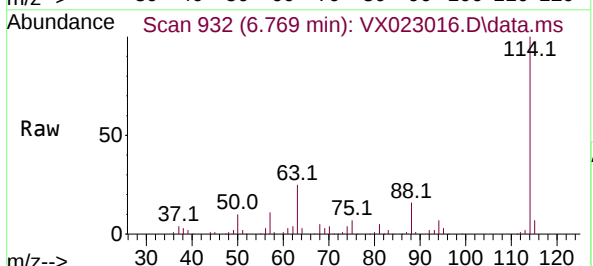
Tgt Ion: 65 Resp: 53946
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.4

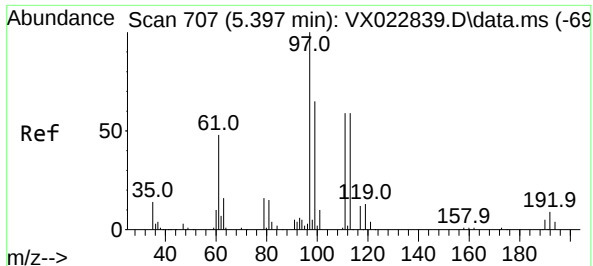


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

Tgt Ion: 114 Resp: 119789
Ion Ratio Lower Upper
114 100
63 24.6 0.0 40.8
88 16.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.561 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023016.D

Acq: 29 Jun 2021 20:14

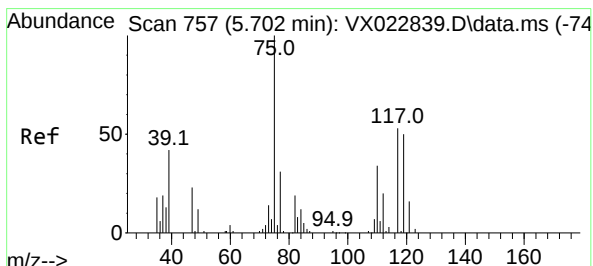
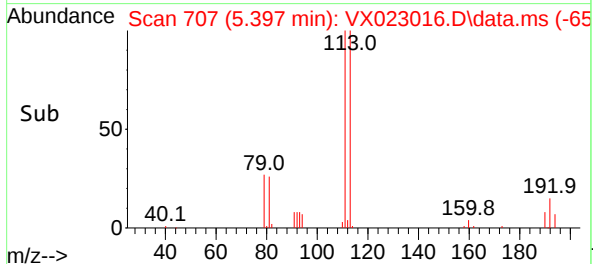
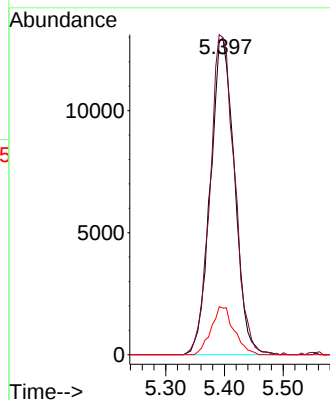
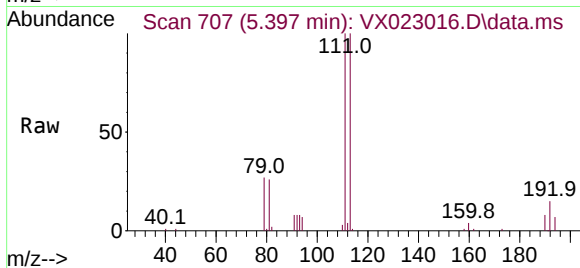
Tgt Ion:113 Resp: 36940

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

192 14.4 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 5.029 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023016.D

Acq: 29 Jun 2021 20:14

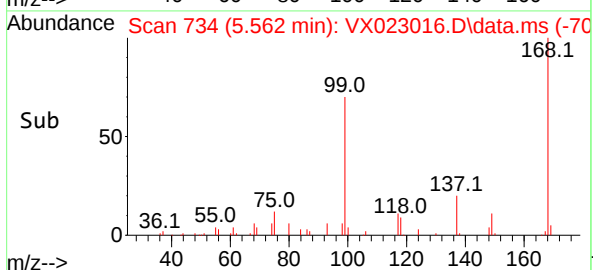
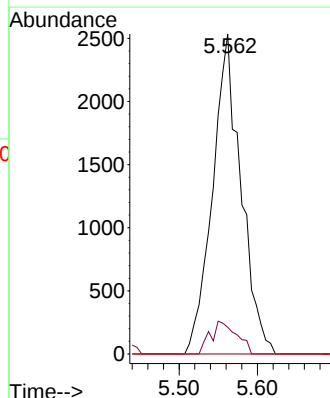
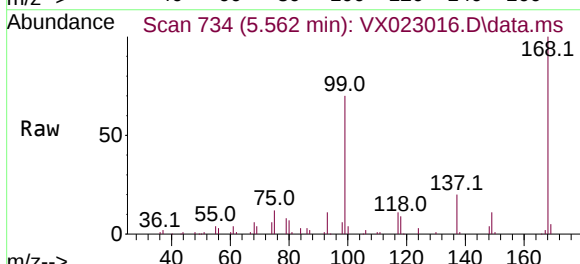
Tgt Ion: 75 Resp: 6399

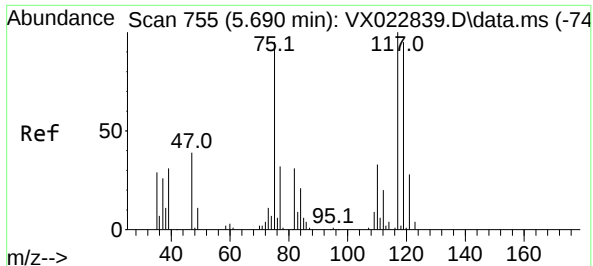
Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.4#

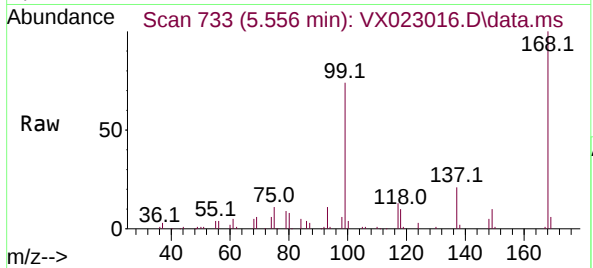
77 0.0 25.3 37.9#



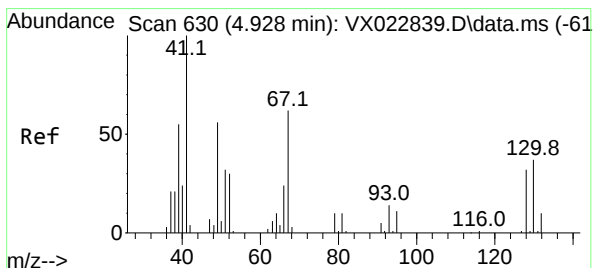
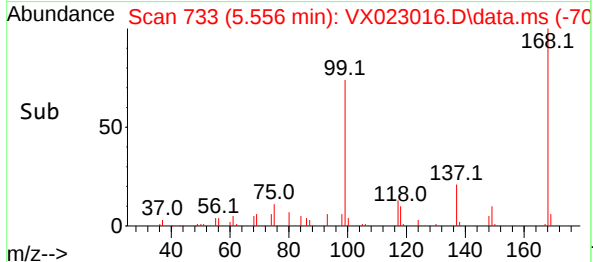
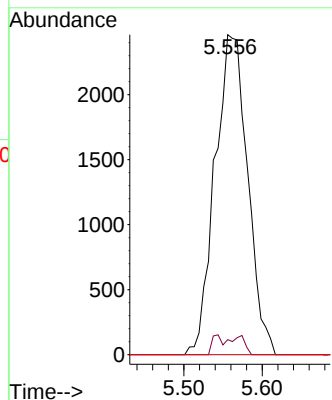


#38
Carbon Tetrachloride
Concen: 6.685 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

Instrument :
MSVOA_X
ClientSampleId :

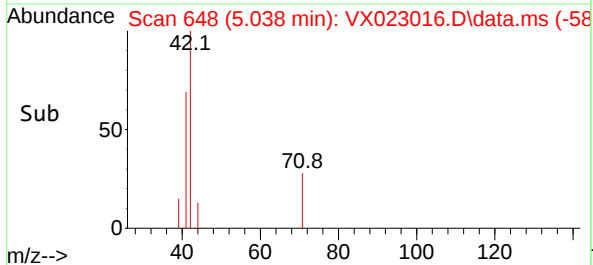
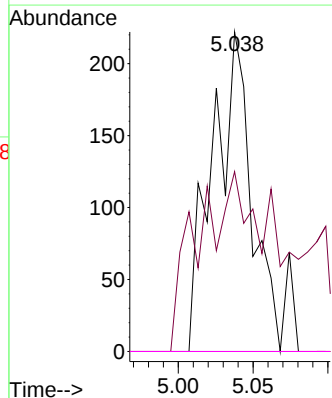
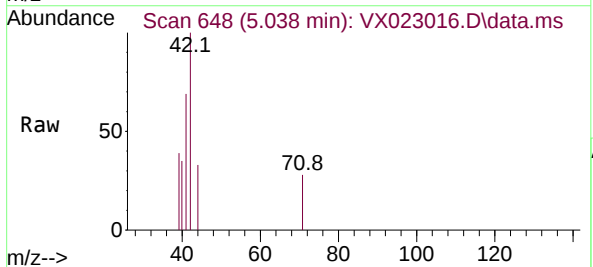


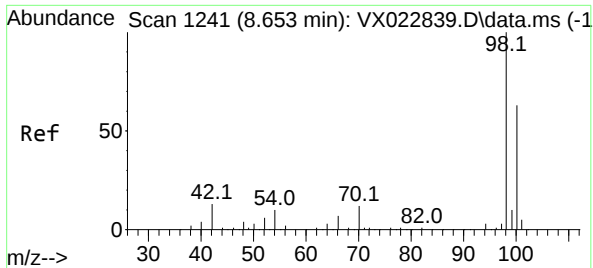
Tgt Ion:117 Resp: 7134
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.495 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

Tgt Ion: 41 Resp: 402
Ion Ratio Lower Upper
41 100
39 19.9 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 50.036 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023016.D

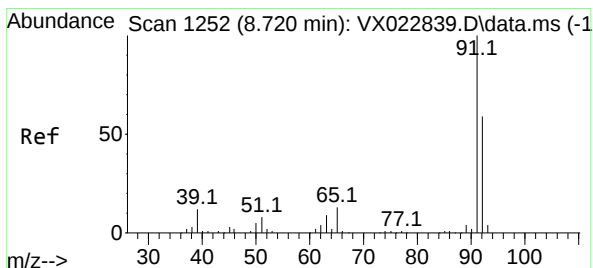
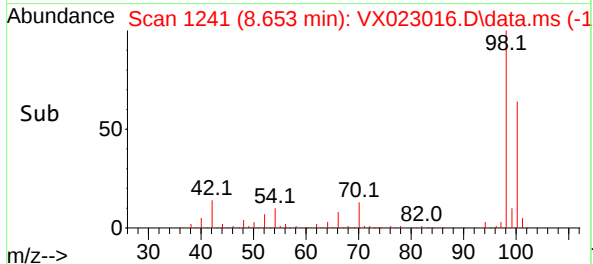
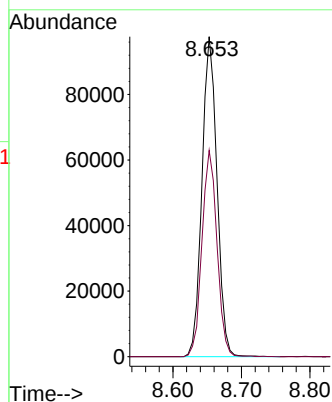
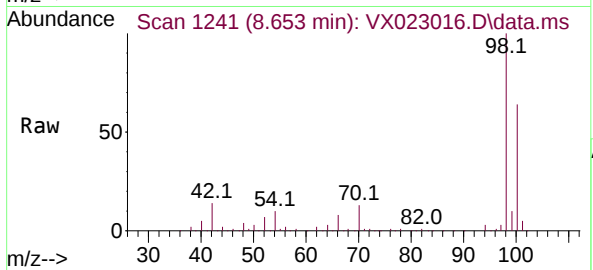
Acq: 29 Jun 2021 20:14

Tgt Ion: 98 Resp: 149170

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9



#52

Toluene

Concen: 1.065 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX023016.D

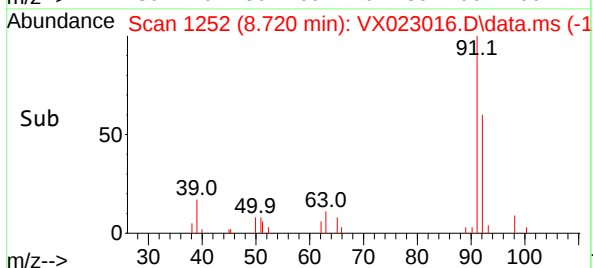
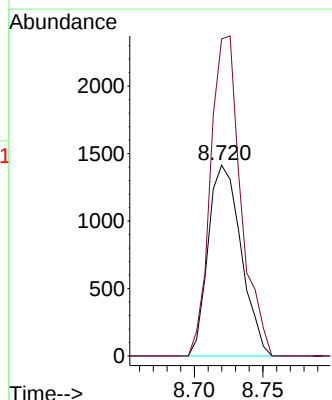
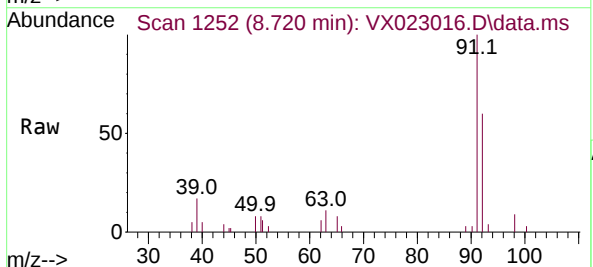
Acq: 29 Jun 2021 20:14

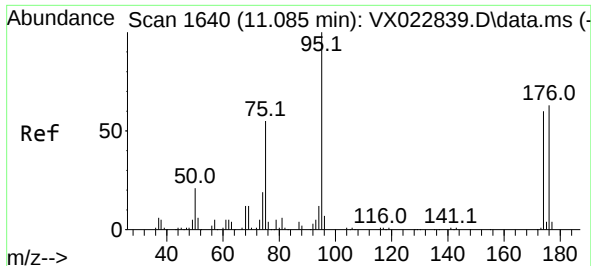
Tgt Ion: 92 Resp: 2361

Ion Ratio Lower Upper

92 100

91 154.9 137.1 205.7

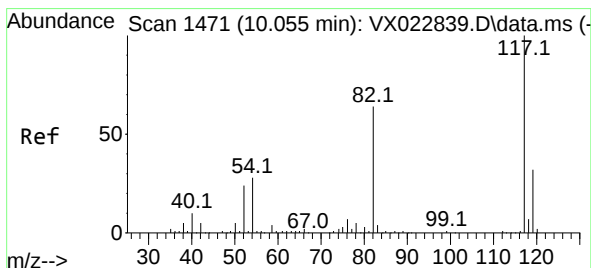
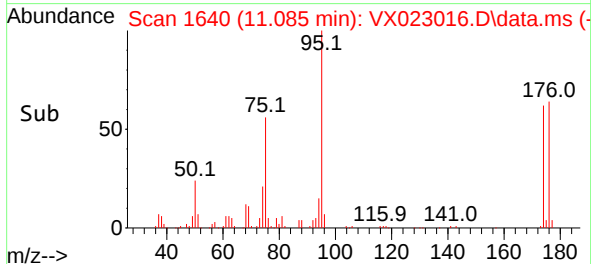
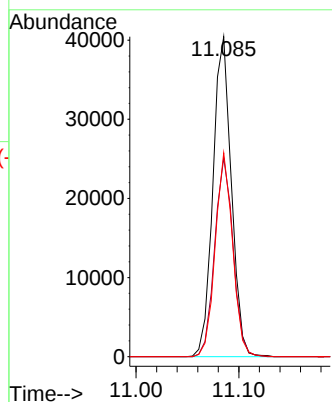
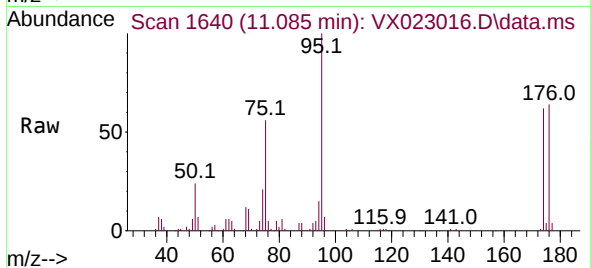




#62
4-Bromofluorobenzene
Concen: 45.135 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

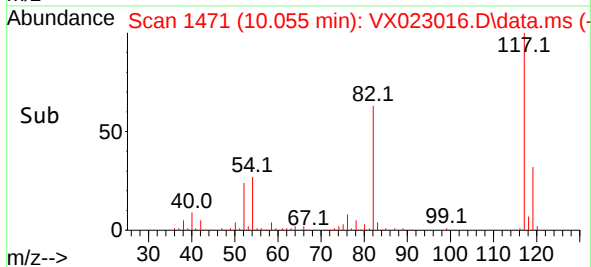
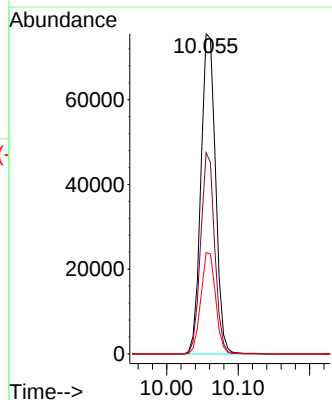
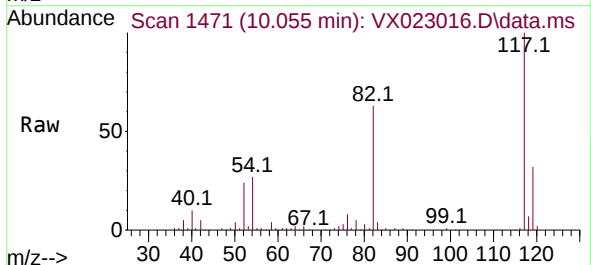
Instrument :
MSVOA_X
ClientSampleId :

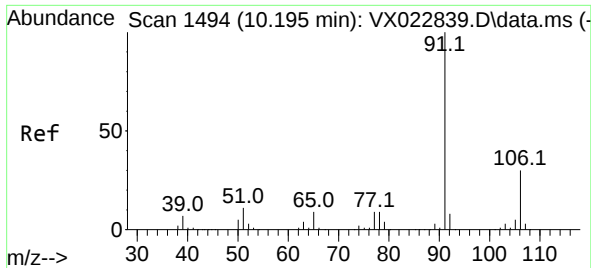
Tgt Ion: 95 Resp: 50219
Ion Ratio Lower Upper
95 100
174 62.0 0.0 154.6
176 60.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

Tgt Ion: 117 Resp: 107217
Ion Ratio Lower Upper
117 100
82 62.9 47.4 71.2
119 31.7 26.6 39.8

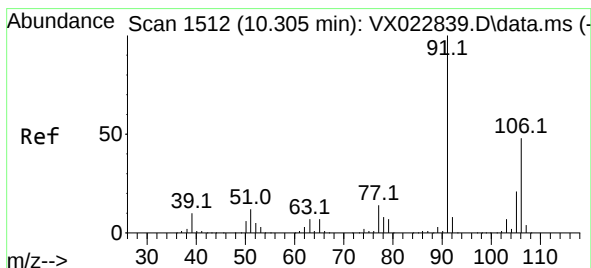
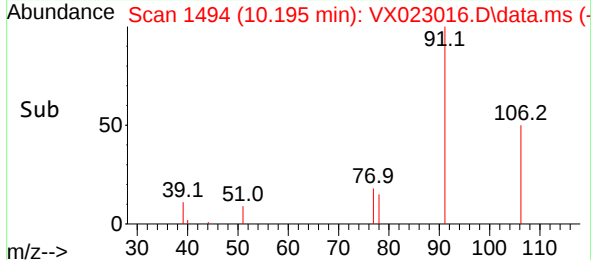
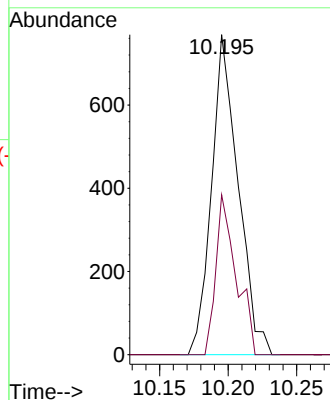
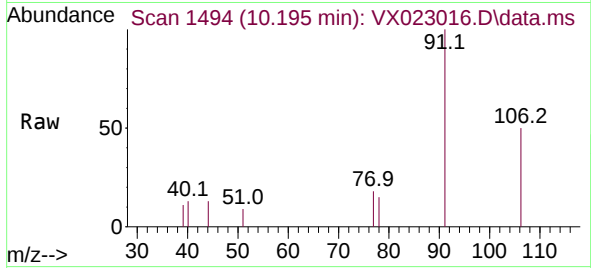




#67
Ethyl Benzene
Concen: 0.250 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

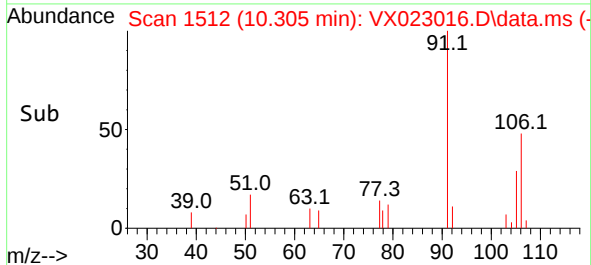
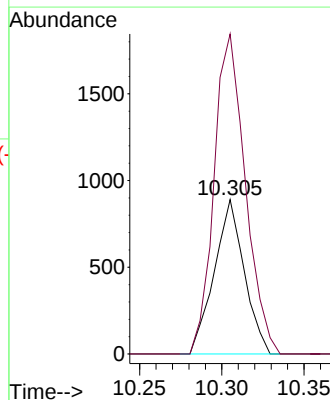
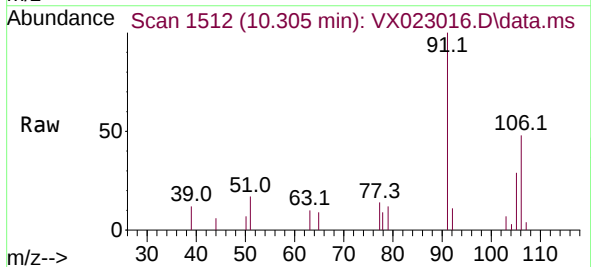
Instrument :
MSVOA_X
ClientSampleId :

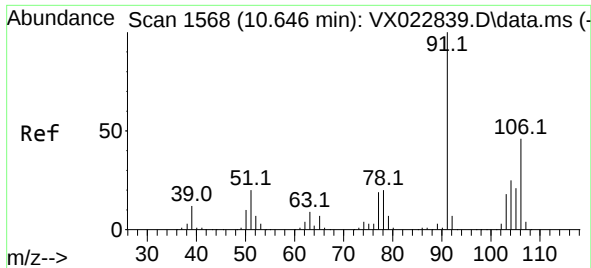
Tgt Ion: 91 Resp: 1038
Ion Ratio Lower Upper
91 100
106 49.9 24.6 37.0#



#68
m/p-Xylenes
Concen: 0.731 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

Tgt Ion: 106 Resp: 1128
Ion Ratio Lower Upper
106 100
91 216.7 162.8 244.2

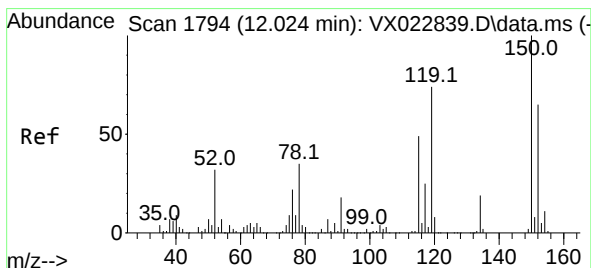
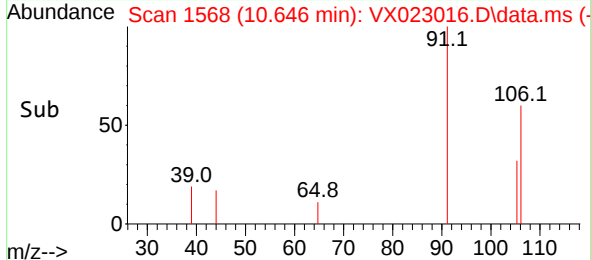
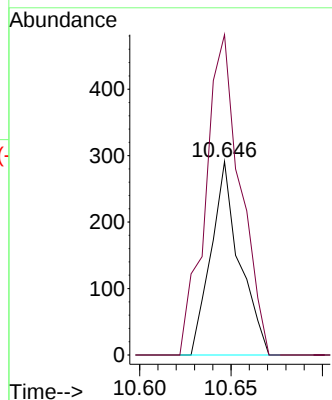
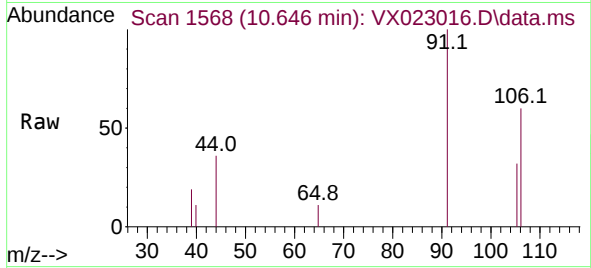




#69
o-Xylene
Concen: 0.210 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

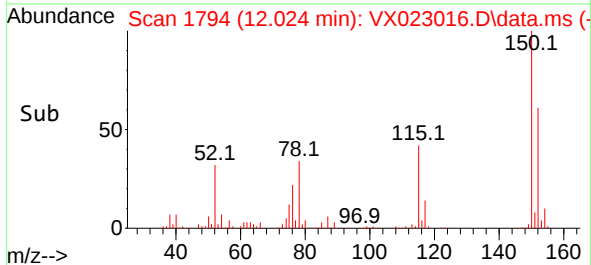
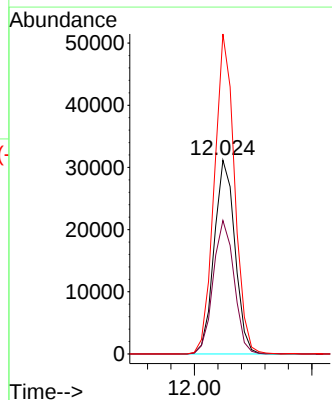
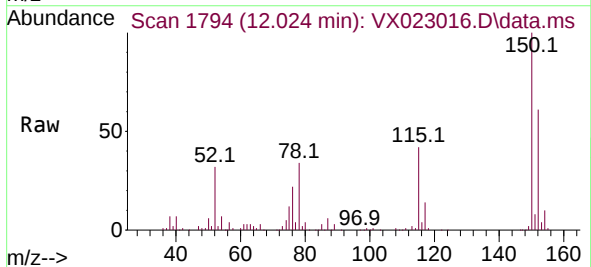
Instrument :
MSVOA_X
ClientSampleId :

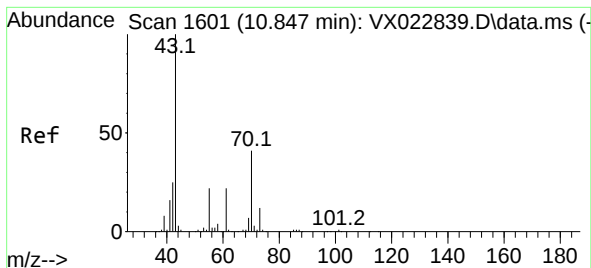
Tgt Ion:106 Resp: 316
Ion Ratio Lower Upper
106 100
91 202.2 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

Tgt Ion:152 Resp: 38256
Ion Ratio Lower Upper
152 100
115 69.3 41.1 123.3
150 160.3 0.0 349.0

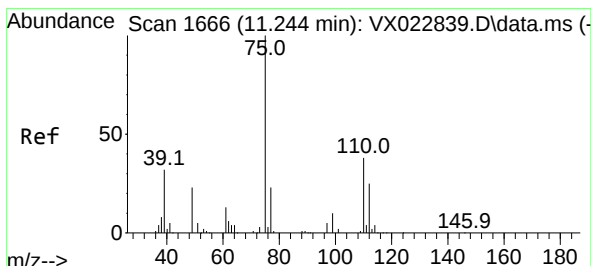
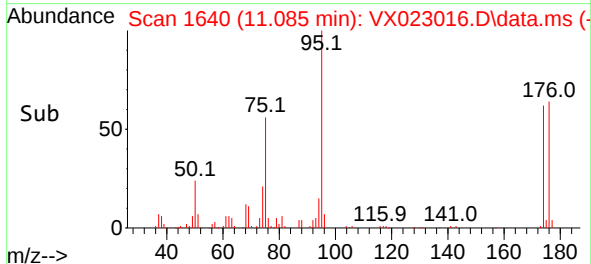
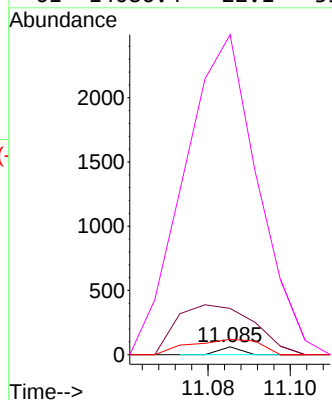
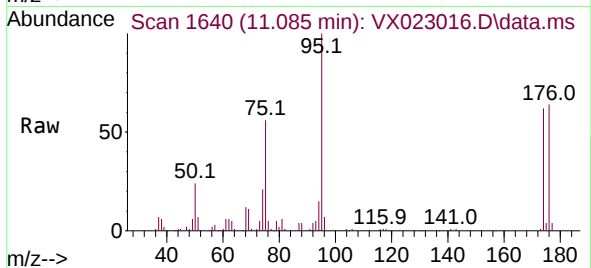




#74
N-amy1 acetate
Concen: 2.066 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.238 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

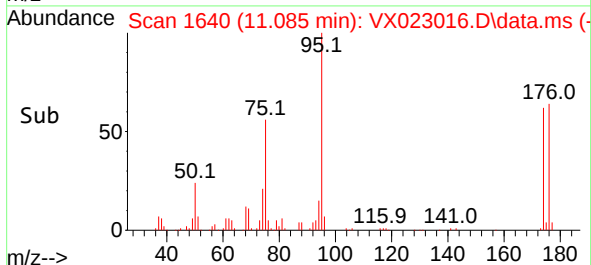
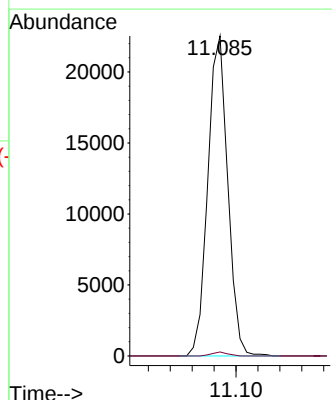
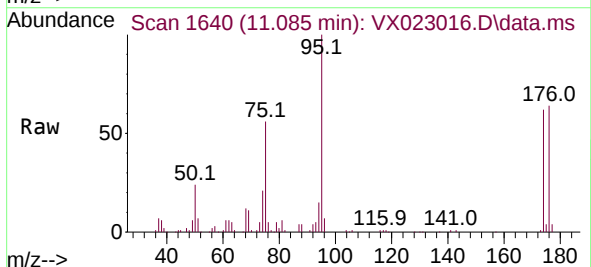
Instrument :
MSVOA_X
ClientSampled :

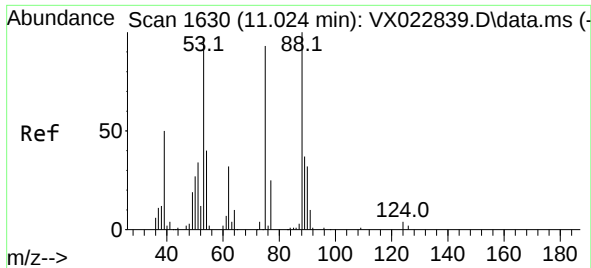
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
70 2304.5 39.0 58.6#
55 645.5 21.5 32.3#
61 14086.4 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 28.163 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

Tgt Ion: 75 Resp: 28458
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

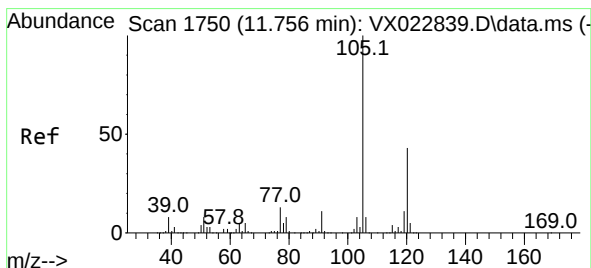
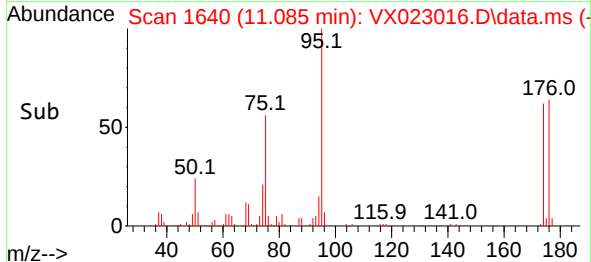
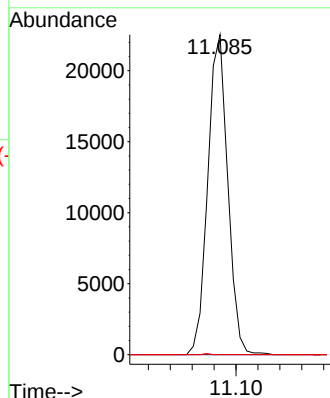
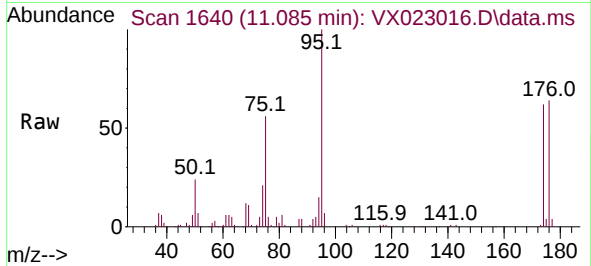




#81
trans-1,4-Dichloro-2-butene
Concen: 72.674 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

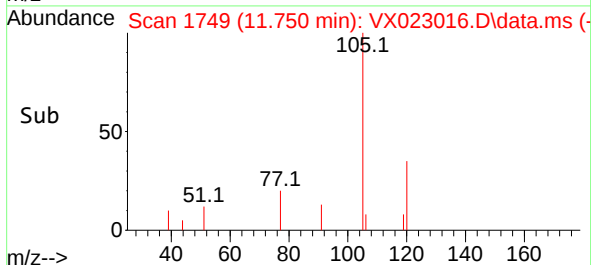
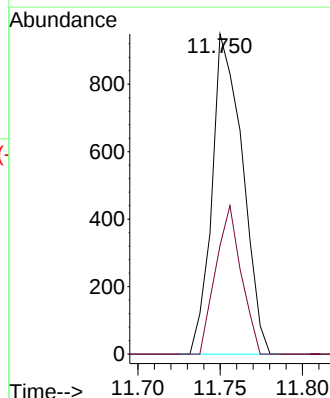
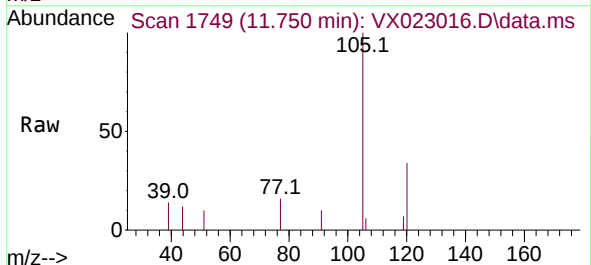
Instrument :
MSVOA_X
ClientSampled :

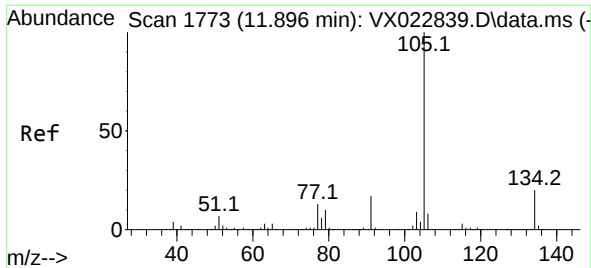
Tgt Ion: 75 Resp: 28458
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.456 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

Tgt Ion:105 Resp: 1221
Ion Ratio Lower Upper
105 100
120 38.7 22.4 67.3

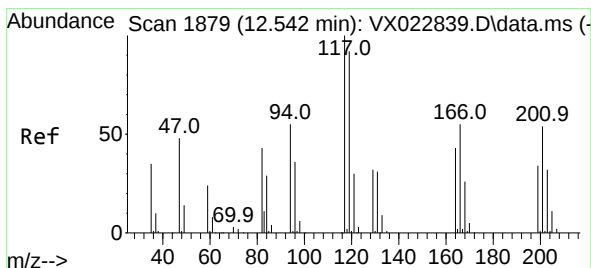
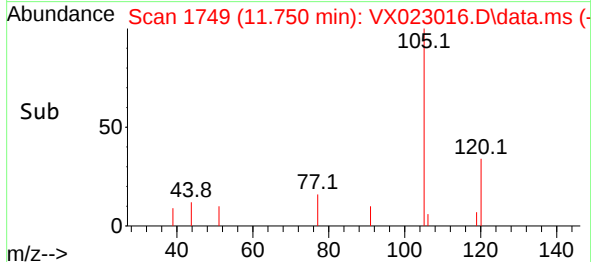
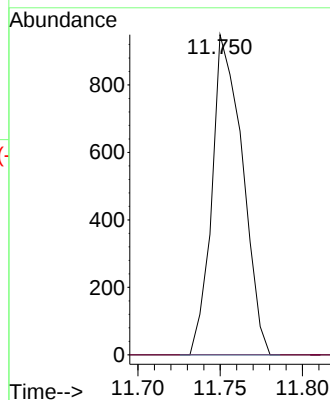
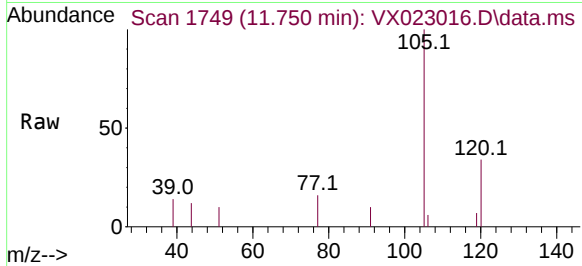




#85
 sec-Butylbenzene
 Concen: 0.361 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VX023016.D
 Acq: 29 Jun 2021 20:14

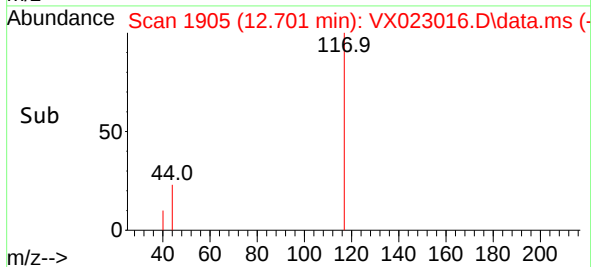
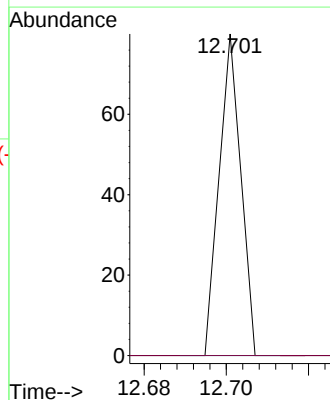
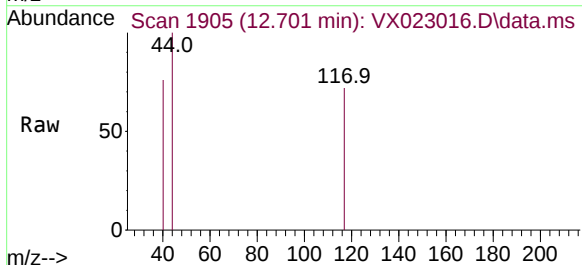
Instrument :
 MSVOA_X
 ClientSampled :

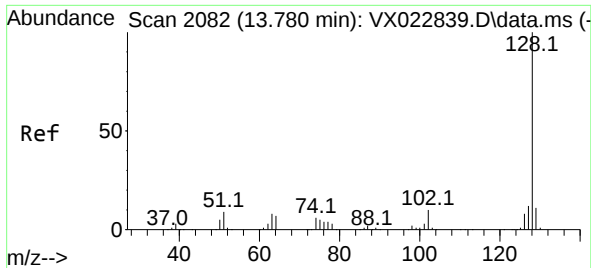
Tgt Ion:105 Resp: 1221
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#



#90
 Hexachloroethane
 Concen: 3.764 ug/l
 RT: 12.701 min Scan# 1905
 Delta R.T. 0.159 min
 Lab File: VX023016.D
 Acq: 29 Jun 2021 20:14

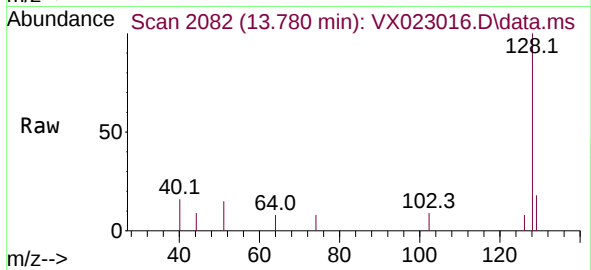
Tgt Ion:117 Resp: 29
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 2.256 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023016.D
Acq: 29 Jun 2021 20:14

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 1082
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 10.2 8.8 13.2

