

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080322\
 Data File : VX030376.D
 Acq On : 03 Aug 2022 17:21
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Aug 04 04:44:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

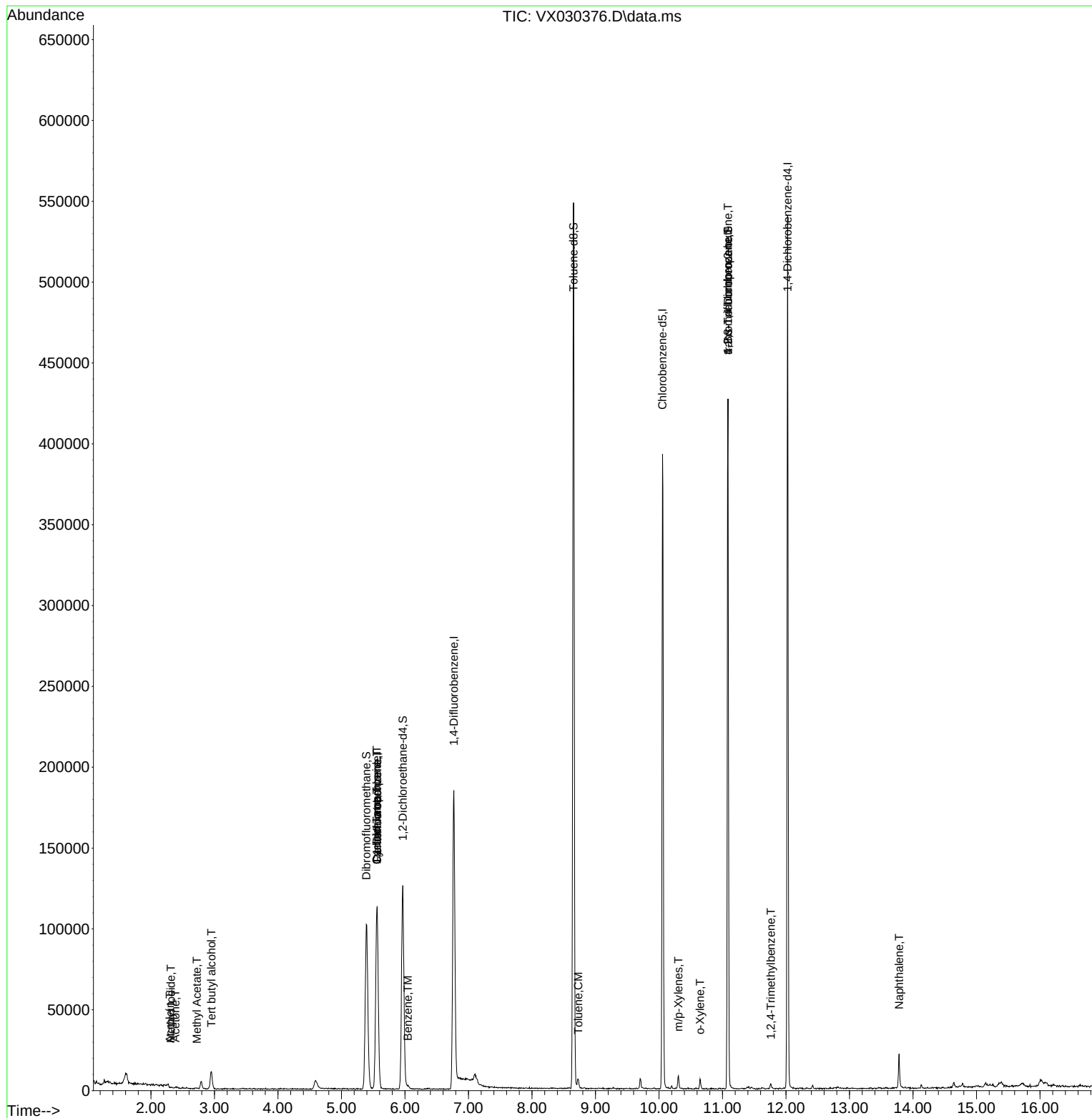
Internal Standards						
1) Pentafluorobenzene	5.562	168	100881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	183325	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	173913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	121136	59.742	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.480%			
35) Dibromofluoromethane	5.391	113	88452	50.472	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.940%			
50) Toluene-d8	8.653	98	315413	46.475	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.940%			
62) 4-Bromofluorobenzene	11.086	95	112836	44.798	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.600%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.587	94	51	Below Cal	#	2
10) Methyl Iodide	2.313	142	24	1.540	ug/l #	45
11) Tert butyl alcohol	2.953	59	6303	12.744	ug/l #	74
13) Acrolein	2.301	56	50	0.411	ug/l #	79
16) Acetone	2.386	43	1167	1.124	ug/l #	70
18) Methyl Acetate	2.721	43	927	0.302	ug/l #	70
20) Methylene Chloride	2.794	84	1888	Below Cal	#	88
31) Cyclohexane	5.556	56	2604	0.885	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9389	3.723	ug/l #	48
38) Carbon Tetrachloride	5.556	117	11005	4.674	ug/l #	17
40) Benzene	6.044	78	1910	0.241	ug/l #	85
52) Toluene	8.726	92	2060	0.426	ug/l	82
67) Ethyl Benzene	10.195	91	1056	Below Cal		96
68) m/p-Xylenes	10.305	106	1992	0.622	ug/l	96
69) o-Xylene	10.647	106	1125	0.357	ug/l	98
76) 1,2,3-Trichloropropane	11.086	75	61626	23.475	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.086	75	61626	70.423	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.762	105	1405	0.216	ug/l	93
95) Naphthalene	13.780	128	13773	1.745	ug/l	97

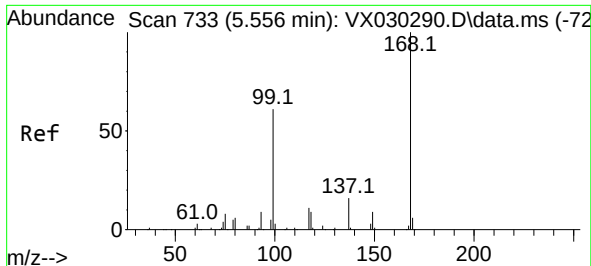
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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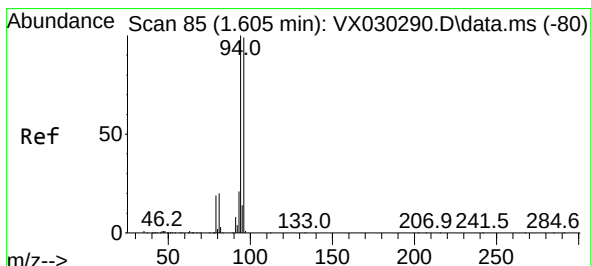
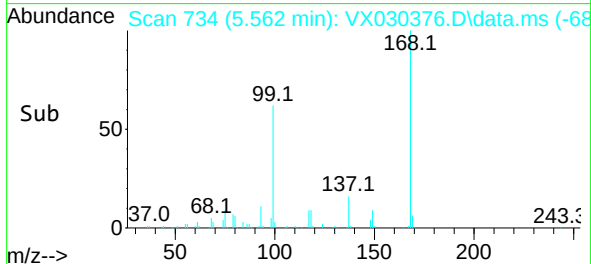
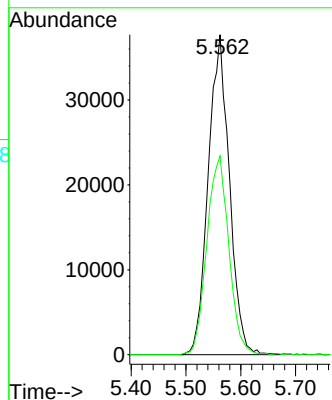
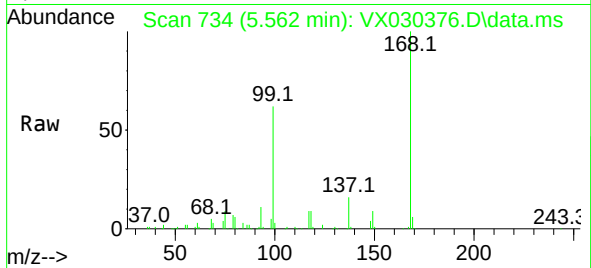




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

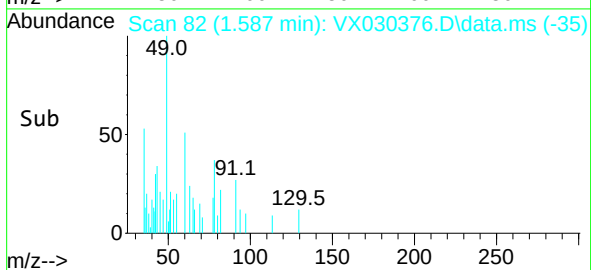
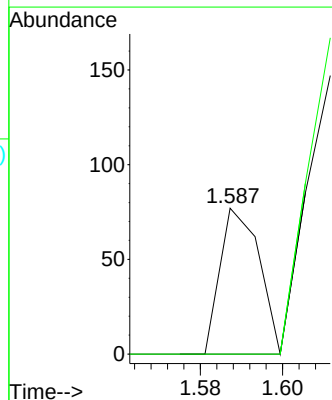
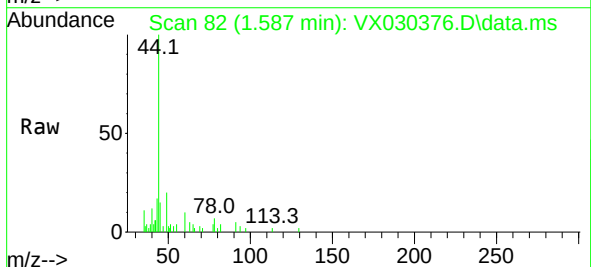
Instrument :
MSVOA_X
ClientSampleId :
IBLK

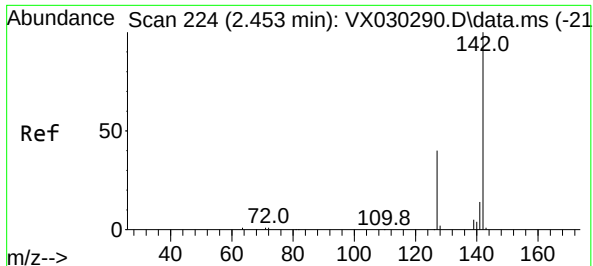
Tgt Ion:168 Resp: 100881
Ion Ratio Lower Upper
168 100
99 62.0 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.587 min Scan# 82
Delta R.T. -0.012 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

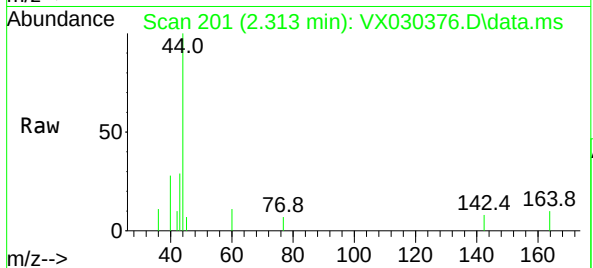
Tgt Ion: 94 Resp: 51
Ion Ratio Lower Upper
94 100
96 0.0 76.9 115.3#



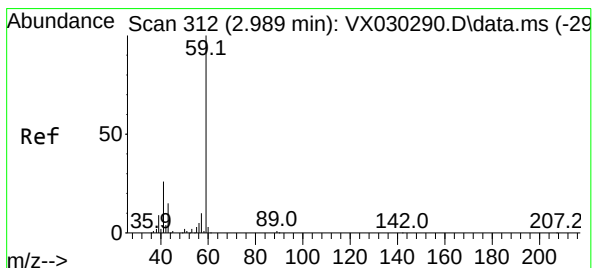
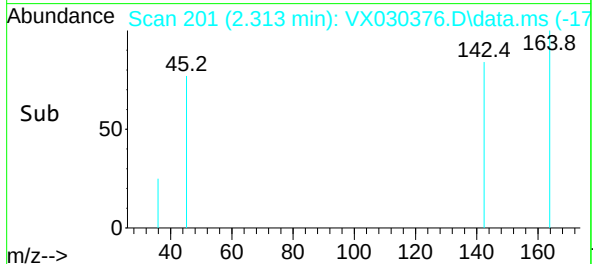
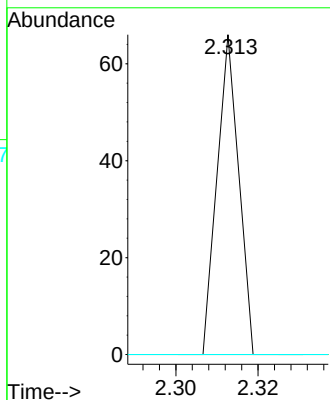


#10
Methyl Iodide
Concen: 1.540 ug/l
RT: 2.313 min Scan# 20
Delta R.T. -0.133 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

Instrument :
MSVOA_X
ClientSampleId :
IBLK

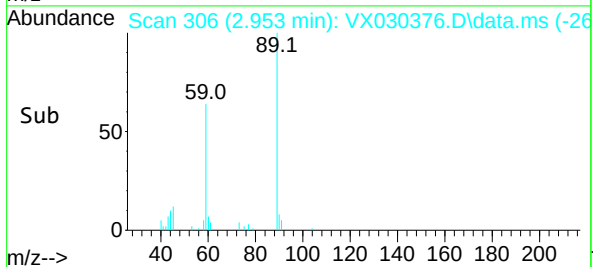
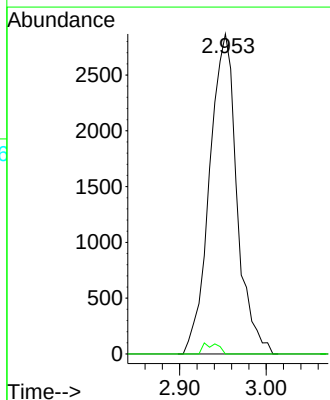
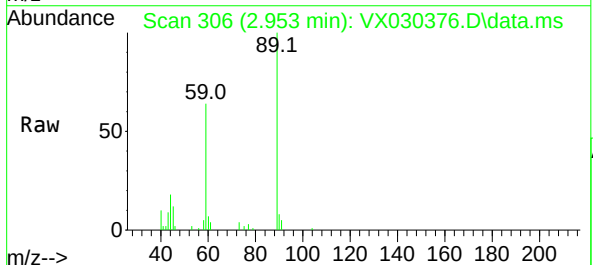


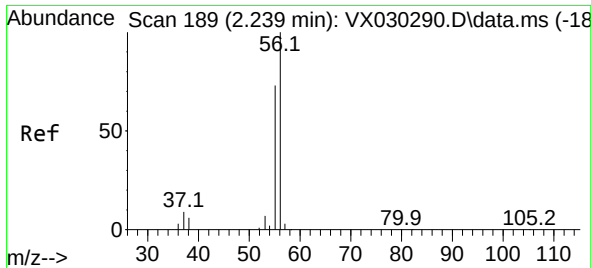
Tgt Ion:142 Resp: 24
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 12.744 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

Tgt Ion: 59 Resp: 6303
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

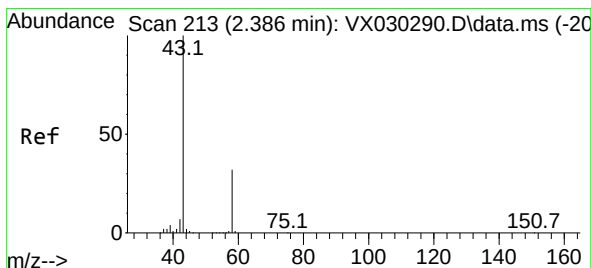
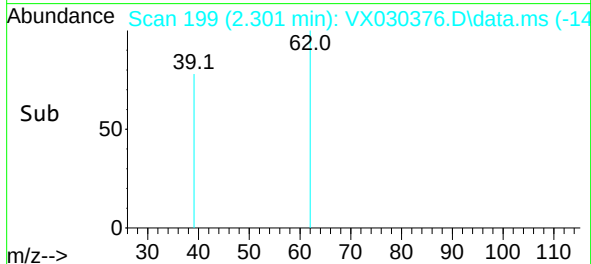
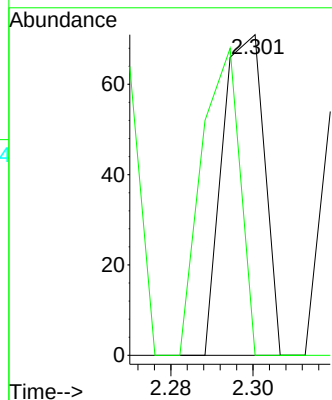
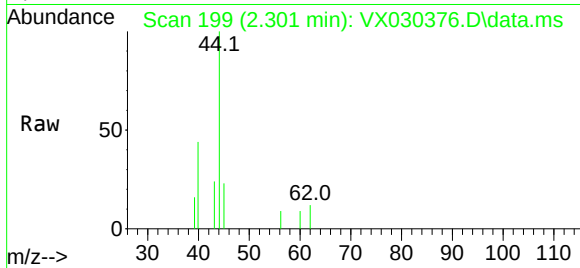




#13
Acrolein
Concen: 0.411 ug/l
RT: 2.301 min Scan# 199
Delta R.T. 0.062 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

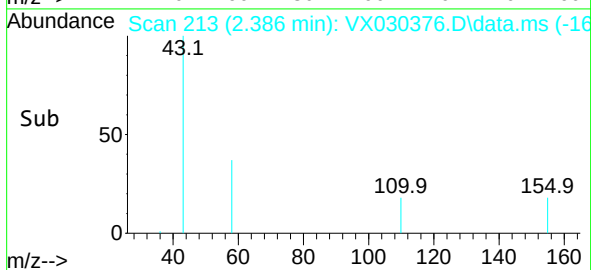
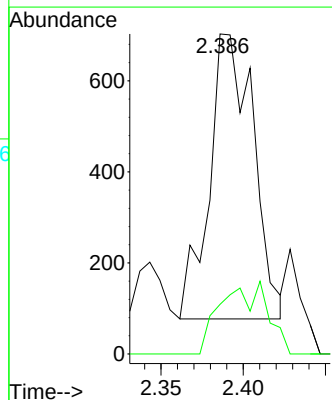
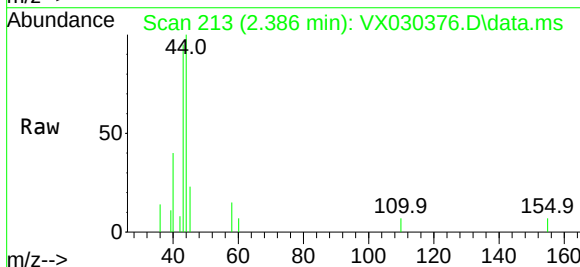
Instrument :
MSVOA_X
ClientSampleId :
IBLK

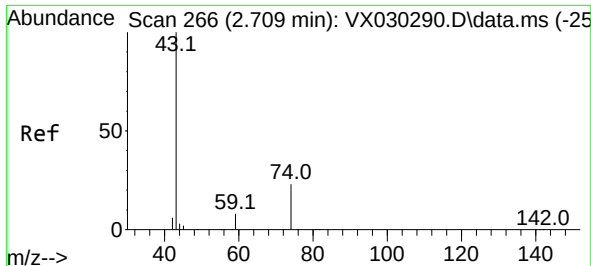
Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 88.0 56.6 84.8#



#16
Acetone
Concen: 1.124 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

Tgt Ion: 43 Resp: 1167
Ion Ratio Lower Upper
43 100
58 17.4 27.7 41.5#





#18

Methyl Acetate

Concen: 0.302 ug/l

RT: 2.721 min Scan# 2

Delta R.T. 0.013 min

Lab File: VX030376.D

Acq: 03 Aug 2022 17:21

Instrument :

MSVOA_X

ClientSampleId :

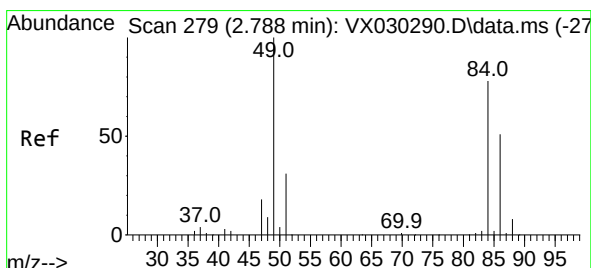
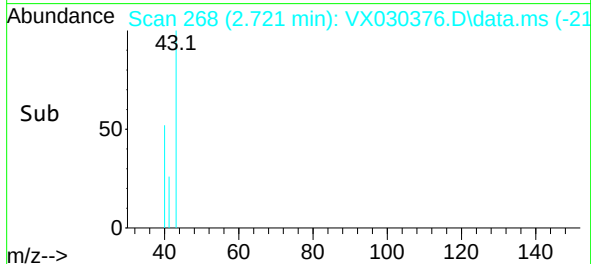
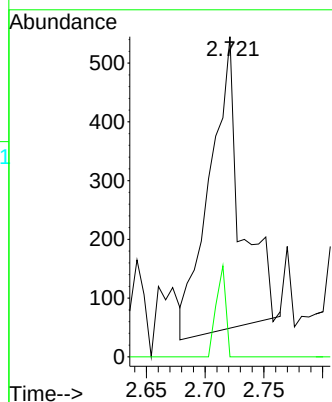
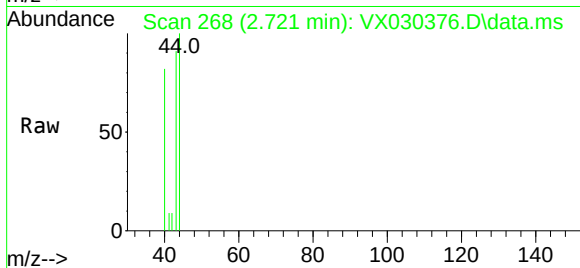
IBLK

Tgt Ion: 43 Resp: 927

Ion Ratio Lower Upper

43 100

74 9.6 19.4 29.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX030376.D

Acq: 03 Aug 2022 17:21

Tgt Ion: 84 Resp: 1888

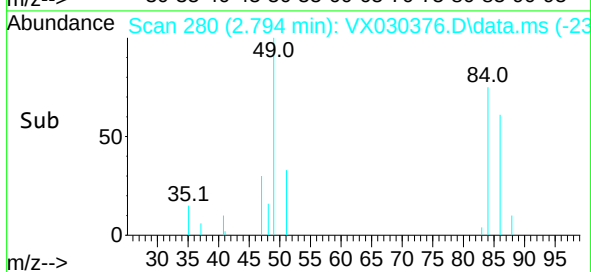
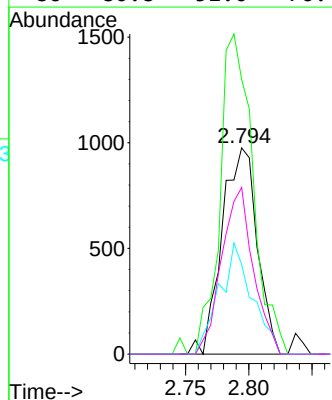
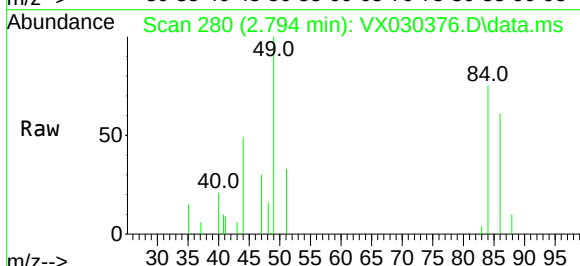
Ion Ratio Lower Upper

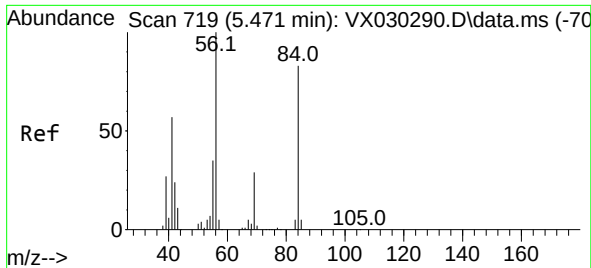
84 100

49 125.4 93.8 140.6

51 43.4 29.4 44.0

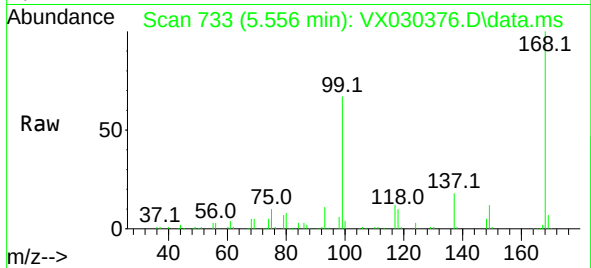
86 80.8 51.0 76.4#



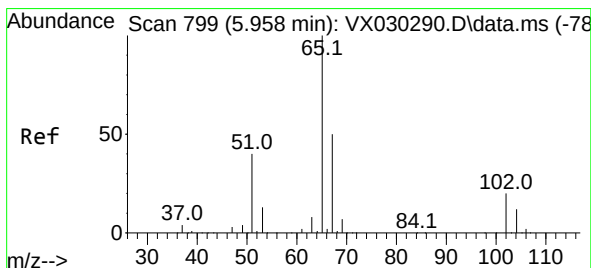
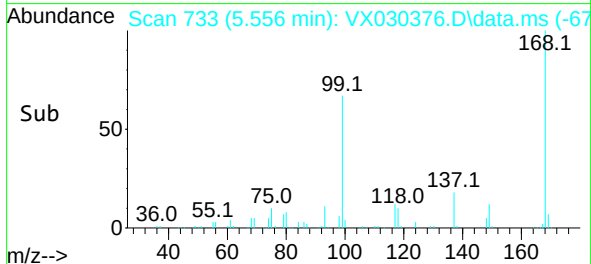
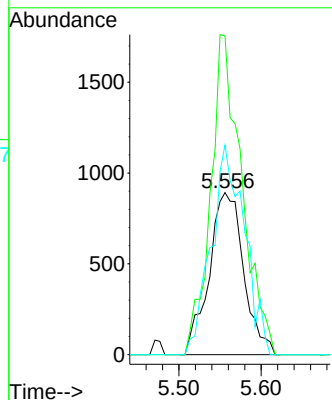


#31
Cyclohexane
Concen: 0.885 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

Instrument :
MSVOA_X
ClientSampleId :
IBLK

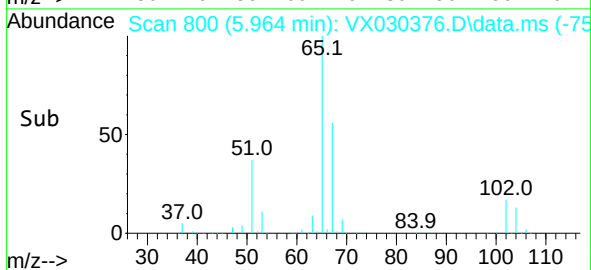
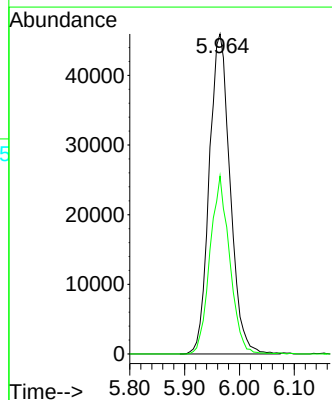
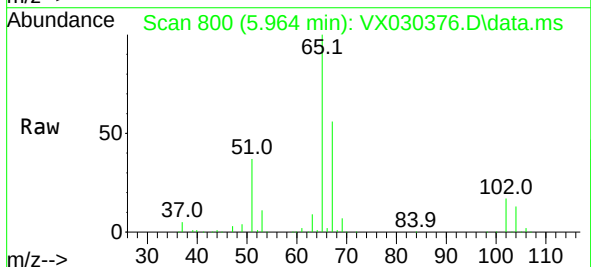


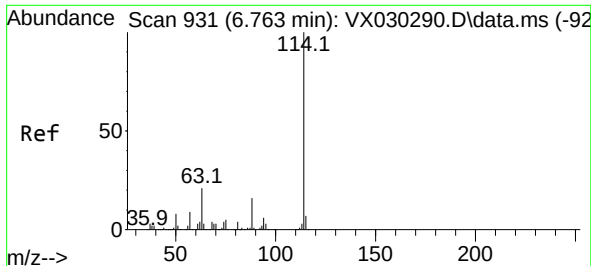
Tgt Ion: 56 Resp: 2604
Ion Ratio Lower Upper
56 100
69 196.9 25.4 38.0#
84 129.4 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 59.742 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

Tgt Ion: 65 Resp: 121136
Ion Ratio Lower Upper
65 100
67 52.6 0.0 109.6

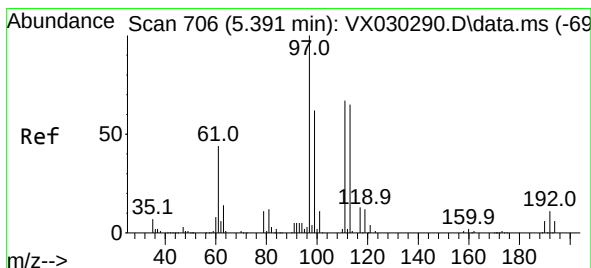
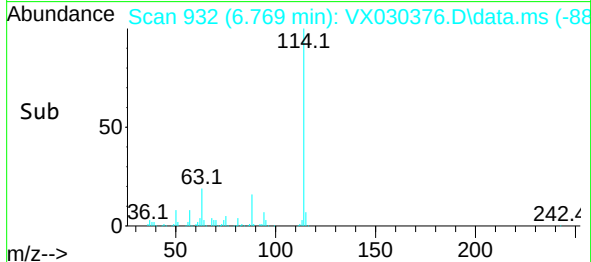
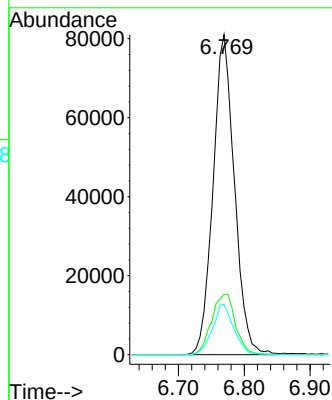
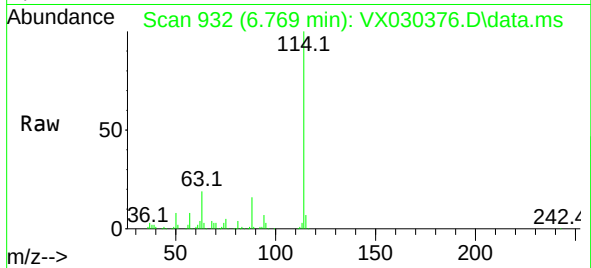




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

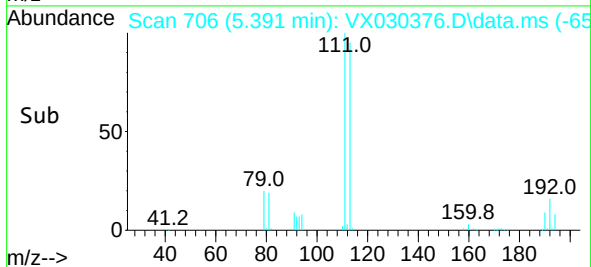
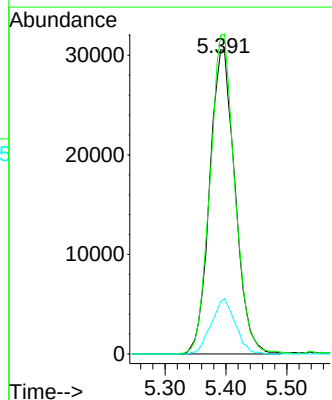
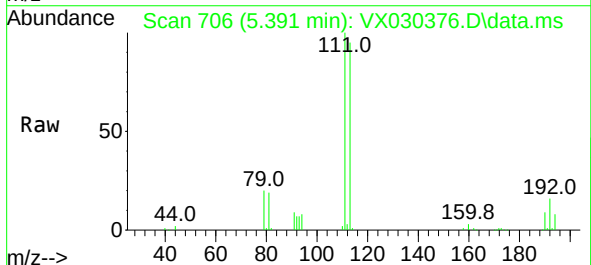
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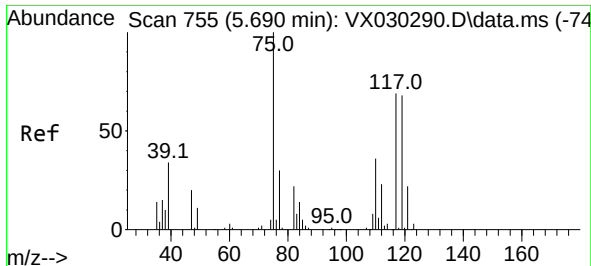
Tgt Ion:114 Resp: 183325
Ion Ratio Lower Upper
114 100
63 18.9 0.0 38.4
88 15.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.472 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

Tgt Ion:113 Resp: 88452
Ion Ratio Lower Upper
113 100
111 102.8 83.2 124.8
192 17.2 14.8 22.2

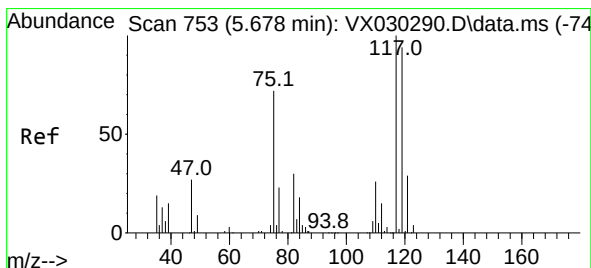
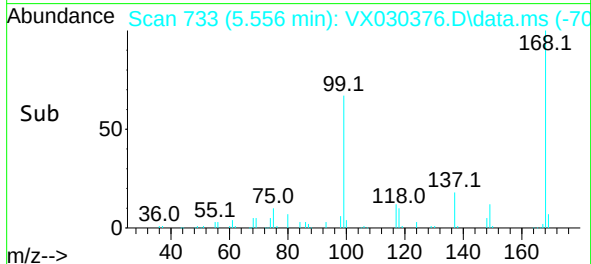
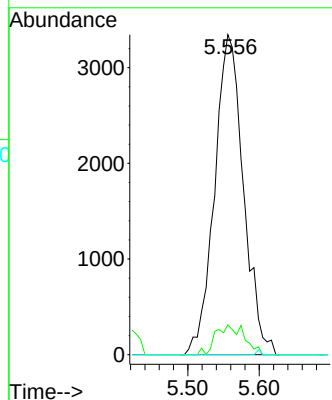
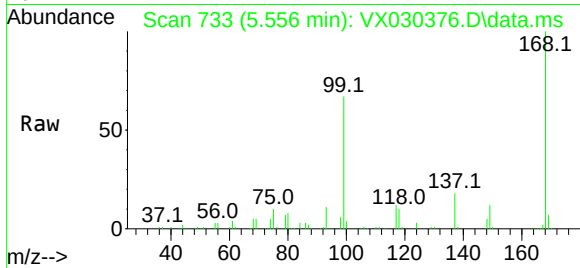




#36
1,1-Dichloropropene
Concen: 3.723 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

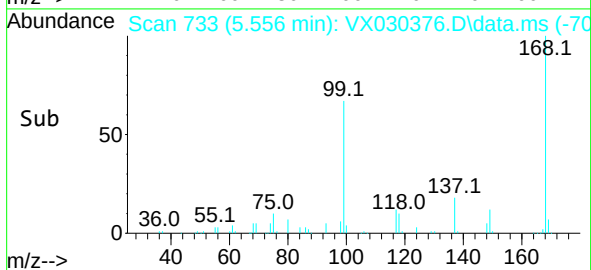
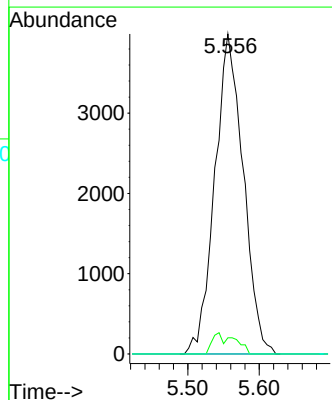
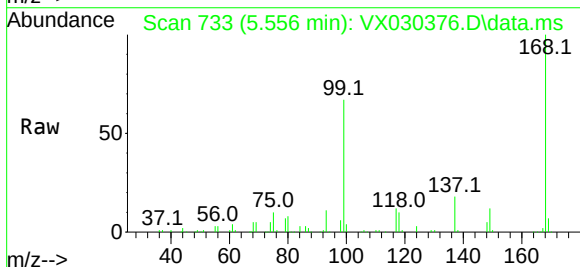
Instrument :
MSVOA_X
ClientSampleId :
IBLK

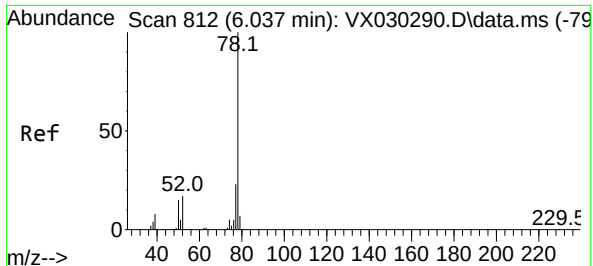
Tgt Ion: 75 Resp: 9389
Ion Ratio Lower Upper
75 100
110 9.2 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.674 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.127 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

Tgt Ion: 117 Resp: 11005
Ion Ratio Lower Upper
117 100
119 5.0 74.1 111.1#
121 0.0 25.8 38.8#

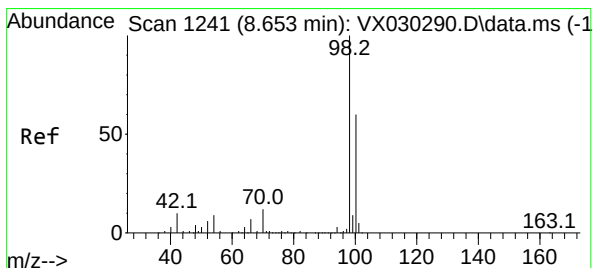
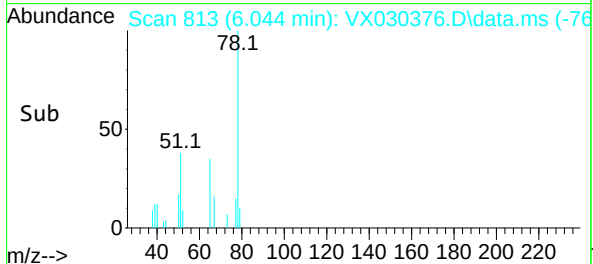
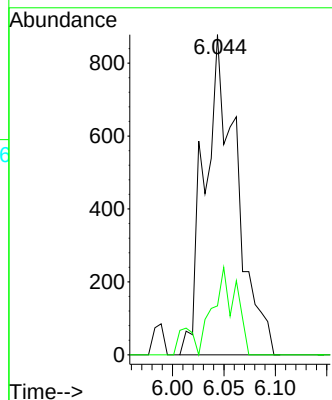
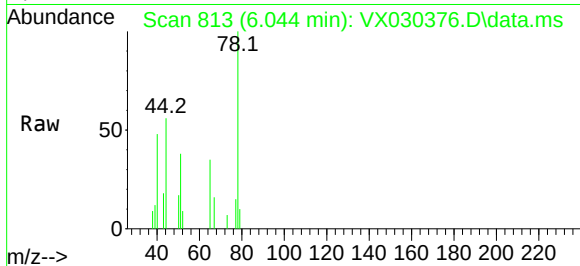




#40
Benzene
Concen: 0.241 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.001 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

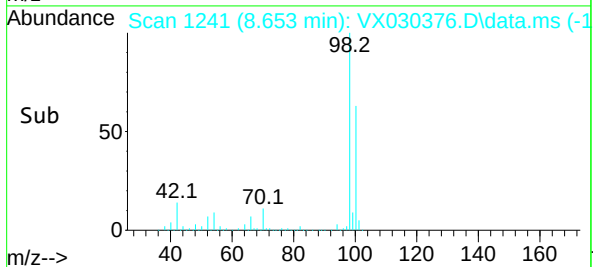
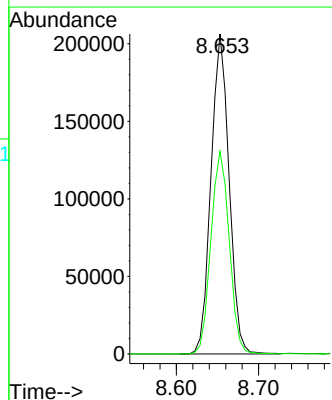
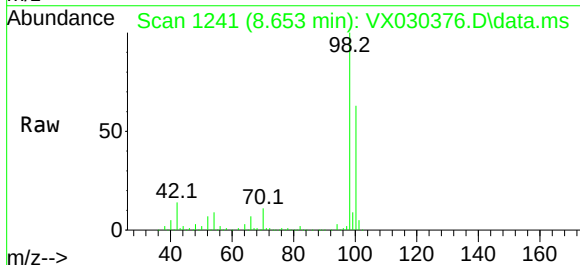
Instrument :
MSVOA_X
ClientSampleId :
IBLK

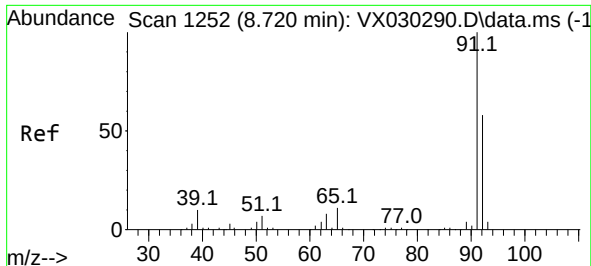
Tgt Ion: 78 Resp: 1910
Ion Ratio Lower Upper
78 100
77 15.3 18.0 27.0#



#50
Toluene-d8
Concen: 46.475 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

Tgt Ion: 98 Resp: 315413
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5

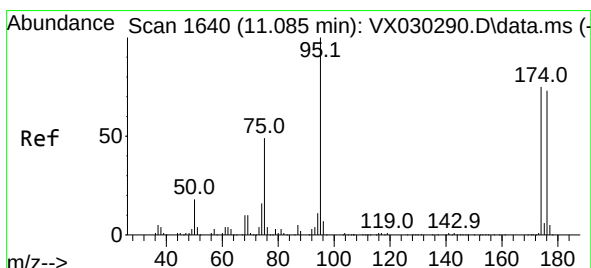
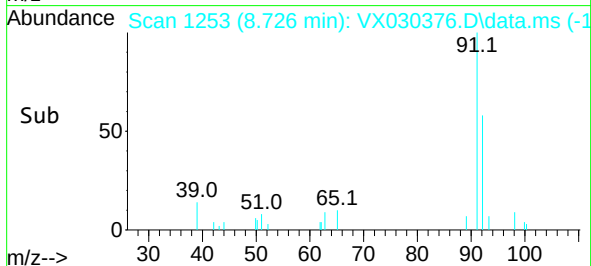
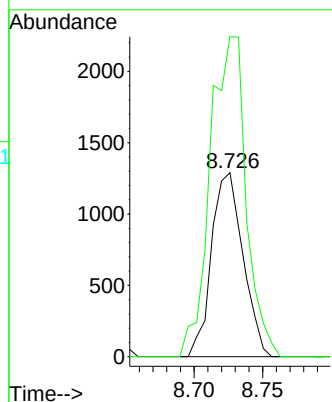
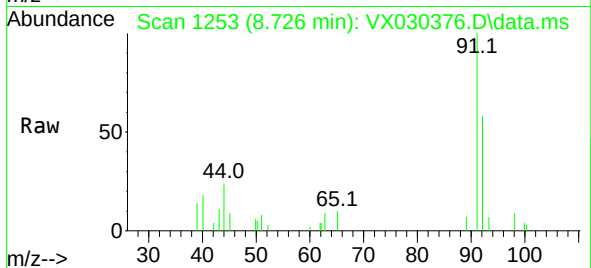




#52
Toluene
Concen: 0.426 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

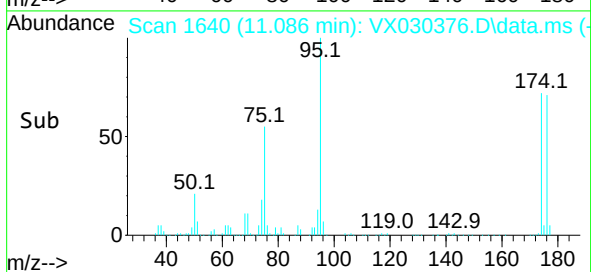
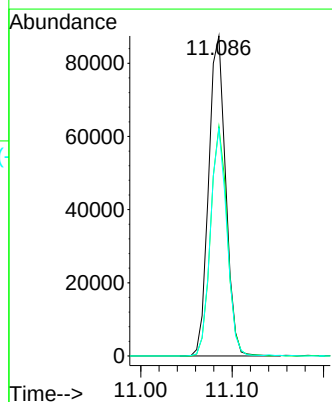
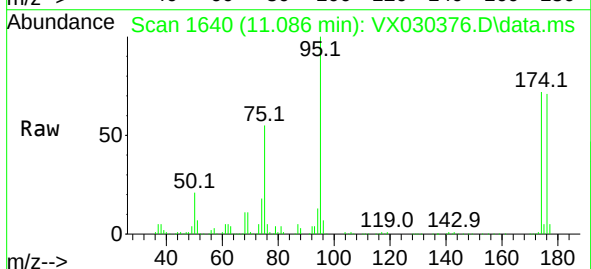
Instrument :
MSVOA_X
ClientSampleId :
IBLK

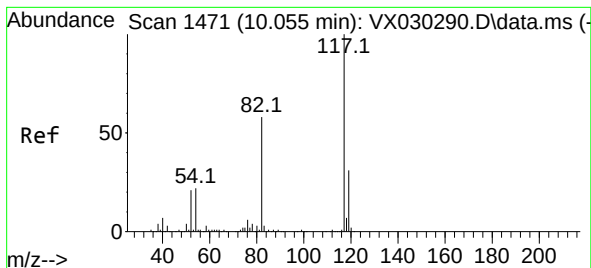
Tgt Ion: 92 Resp: 2060
Ion Ratio Lower Upper
92 100
91 198.8 139.2 208.8



#62
4-Bromofluorobenzene
Concen: 44.798 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

Tgt Ion: 95 Resp: 112836
Ion Ratio Lower Upper
95 100
174 69.9 0.0 149.0
176 68.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX030376.D

Acq: 03 Aug 2022 17:21

Instrument :

MSVOA_X

ClientSampleId :

IBLK

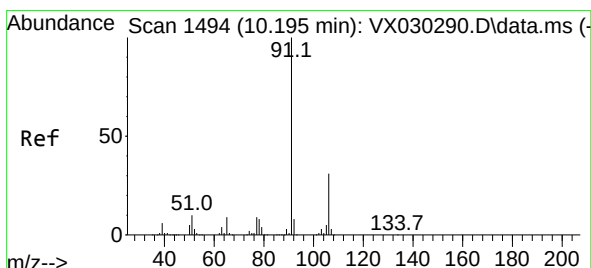
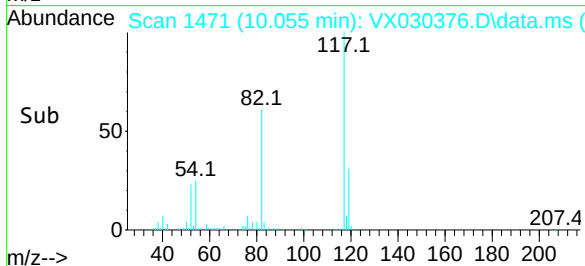
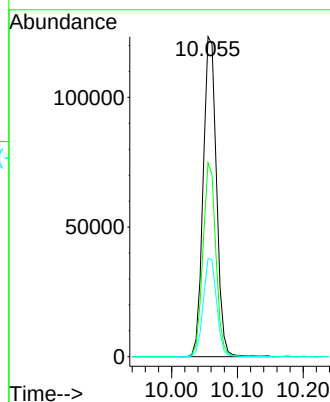
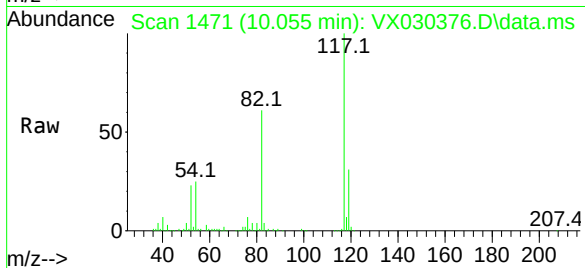
Tgt Ion:117 Resp: 173913

Ion Ratio Lower Upper

117 100

82 60.6 42.7 64.1

119 30.7 25.4 38.2



#67

Ethyl Benzene

Concen: Below Cal

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX030376.D

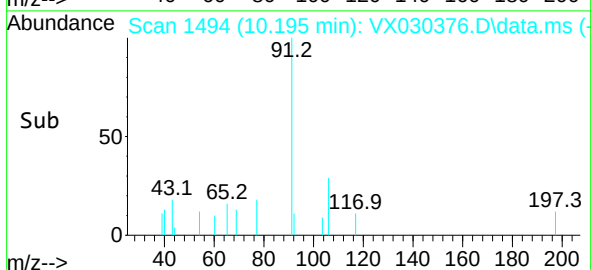
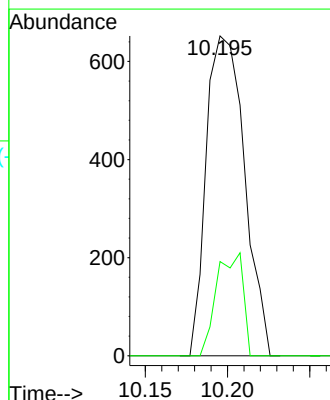
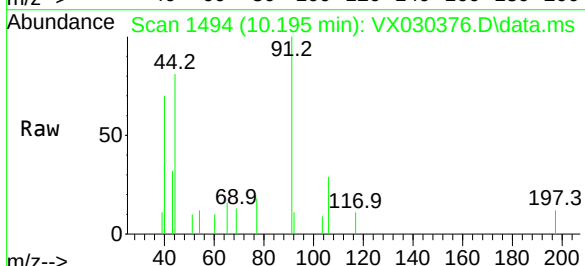
Acq: 03 Aug 2022 17:21

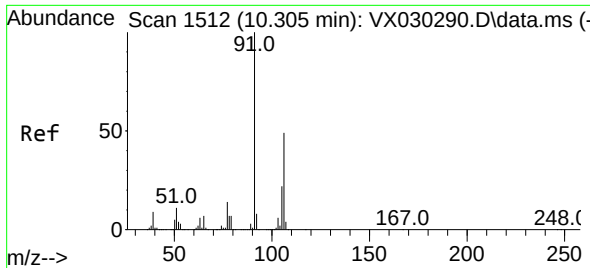
Tgt Ion: 91 Resp: 1056

Ion Ratio Lower Upper

91 100

106 29.4 25.5 38.3

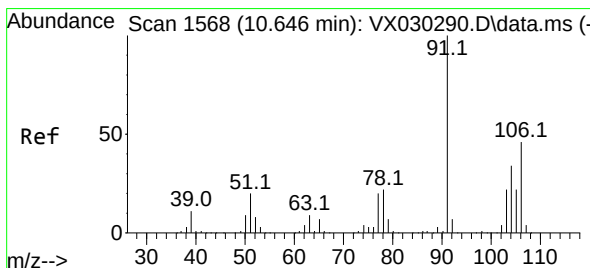
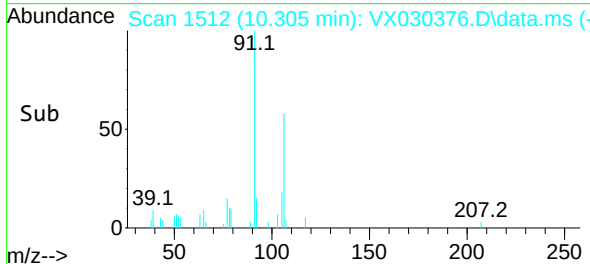
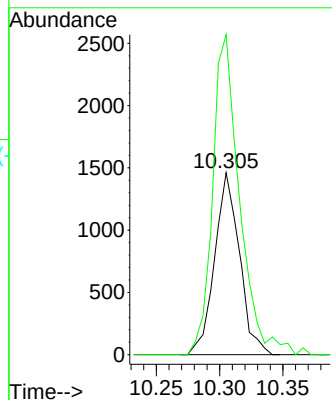
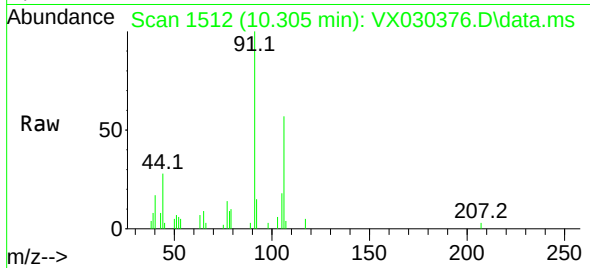




#68
m/p-Xylenes
Concen: 0.622 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

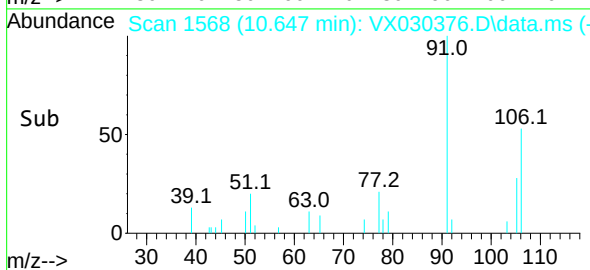
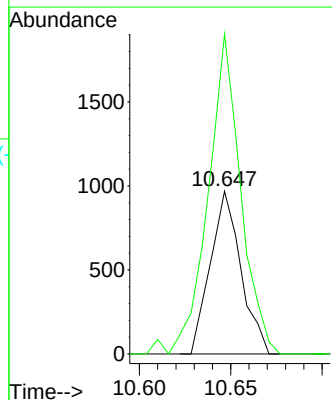
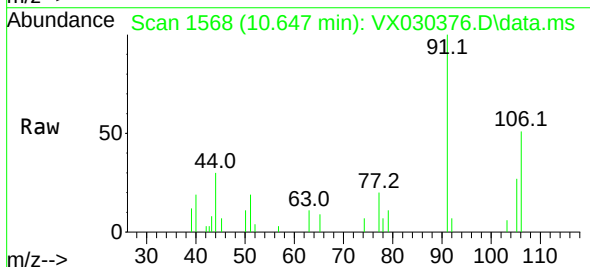
Instrument :
MSVOA_X
ClientSampleId :
IBLK

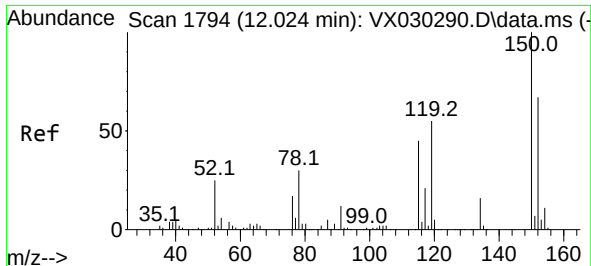
Tgt Ion:106 Resp: 1992
Ion Ratio Lower Upper
106 100
91 191.5 158.2 237.4



#69
o-Xylene
Concen: 0.357 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.001 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

Tgt Ion:106 Resp: 1125
Ion Ratio Lower Upper
106 100
91 211.6 103.8 311.6

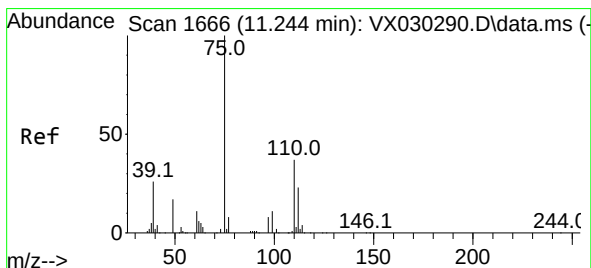
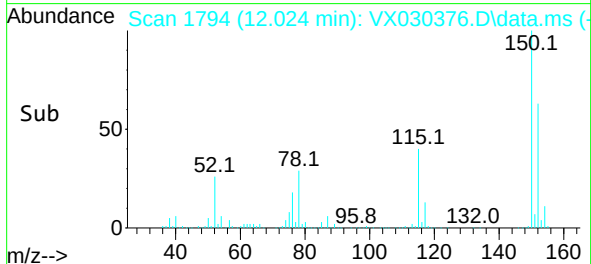
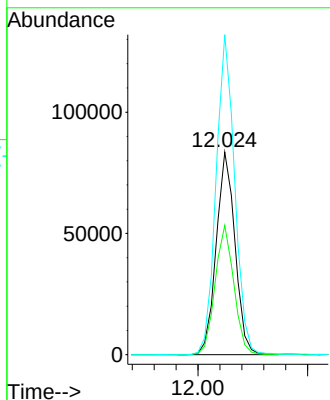
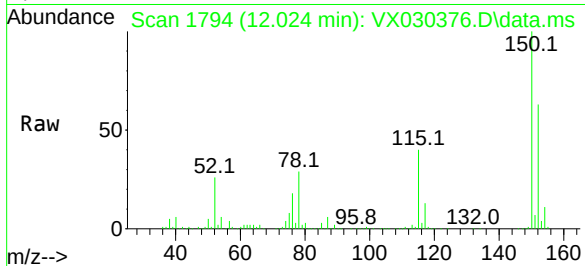




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030376.D
 Acq: 03 Aug 2022 17:21

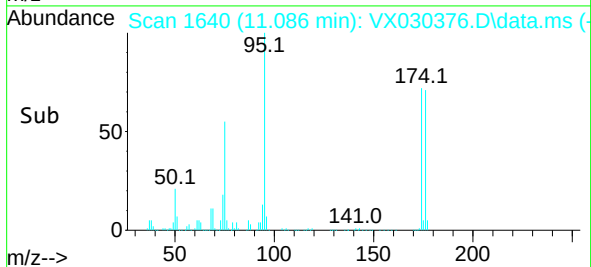
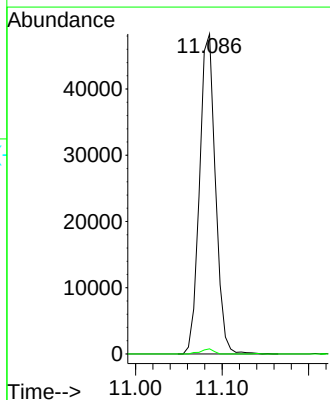
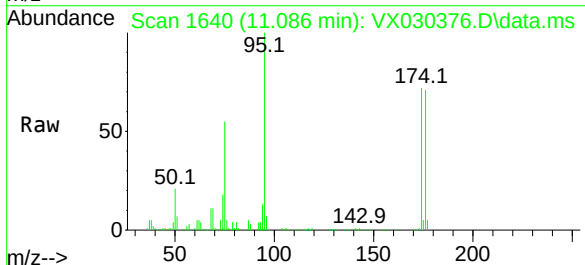
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

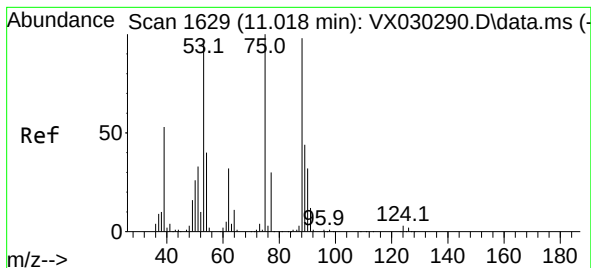
Tgt Ion:152 Resp: 99592
 Ion Ratio Lower Upper
 152 100
 115 63.8 40.5 121.5
 150 156.5 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 23.475 ug/l
 RT: 11.086 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX030376.D
 Acq: 03 Aug 2022 17:21

Tgt Ion: 75 Resp: 61626
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.8 59.3#

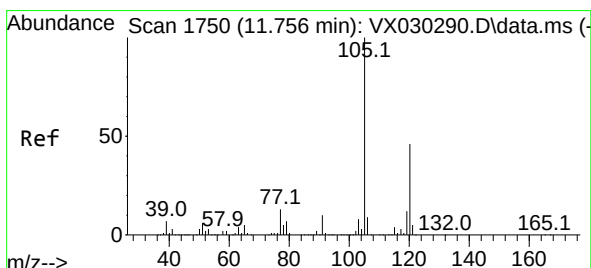
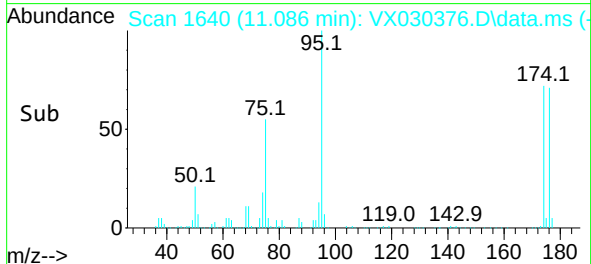
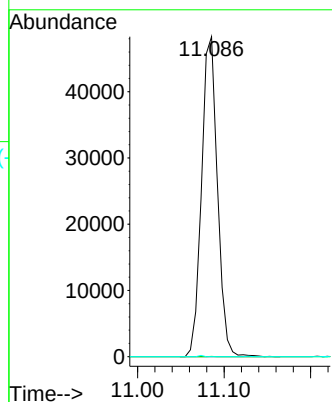
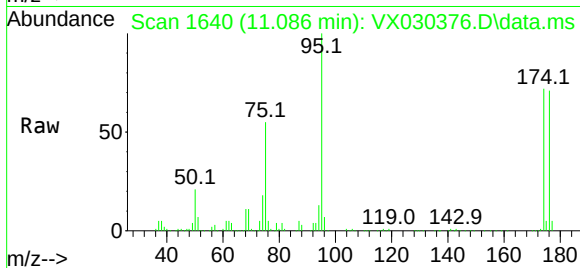




#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.423 ug/l
 RT: 11.086 min Scan# 1
 Delta R.T. 0.062 min
 Lab File: VX030376.D
 Acq: 03 Aug 2022 17:21

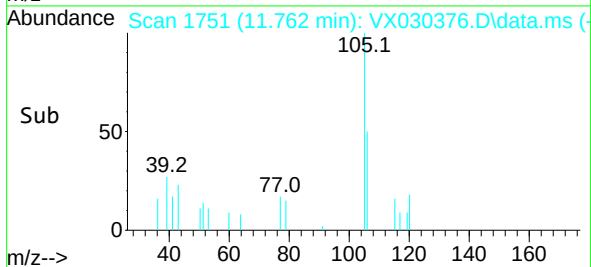
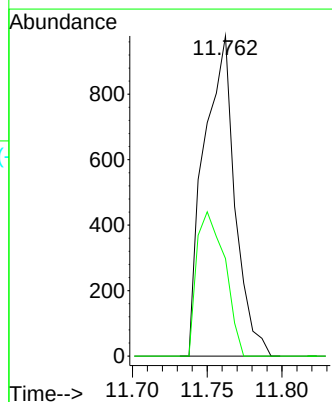
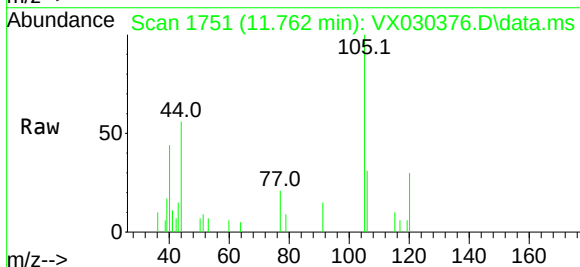
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

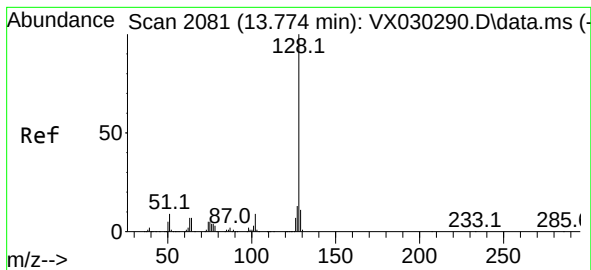
Tgt Ion: 75 Resp: 61626
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.216 ug/l
 RT: 11.762 min Scan# 1751
 Delta R.T. 0.006 min
 Lab File: VX030376.D
 Acq: 03 Aug 2022 17:21

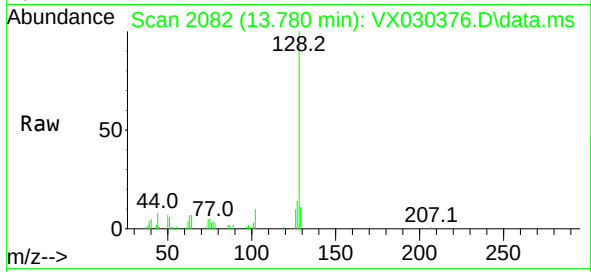
Tgt Ion: 105 Resp: 1405
 Ion Ratio Lower Upper
 105 100
 120 41.0 22.9 68.8





#95
Naphthalene
Concen: 1.745 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX030376.D
Acq: 03 Aug 2022 17:21

Instrument :
MSVOA_X
ClientSampleId :
IBLK



Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.2	15.2
129	12.0	8.6	13.0

