

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
 Data File : VX011592.D
 Acq On : 16 Aug 2019 19:32
 Operator : JC/SP
 Sample : K4397-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Aug 19 01:13:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	463300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	633406	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	558317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	282043	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	220113	51.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.46%	
35) Dibromofluoromethane	5.49	113	187877	45.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.70%	
50) Toluene-d8	8.71	98	723202	56.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.04%	
62) 4-Bromofluorobenzene	11.13	95	258559	47.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.90%	

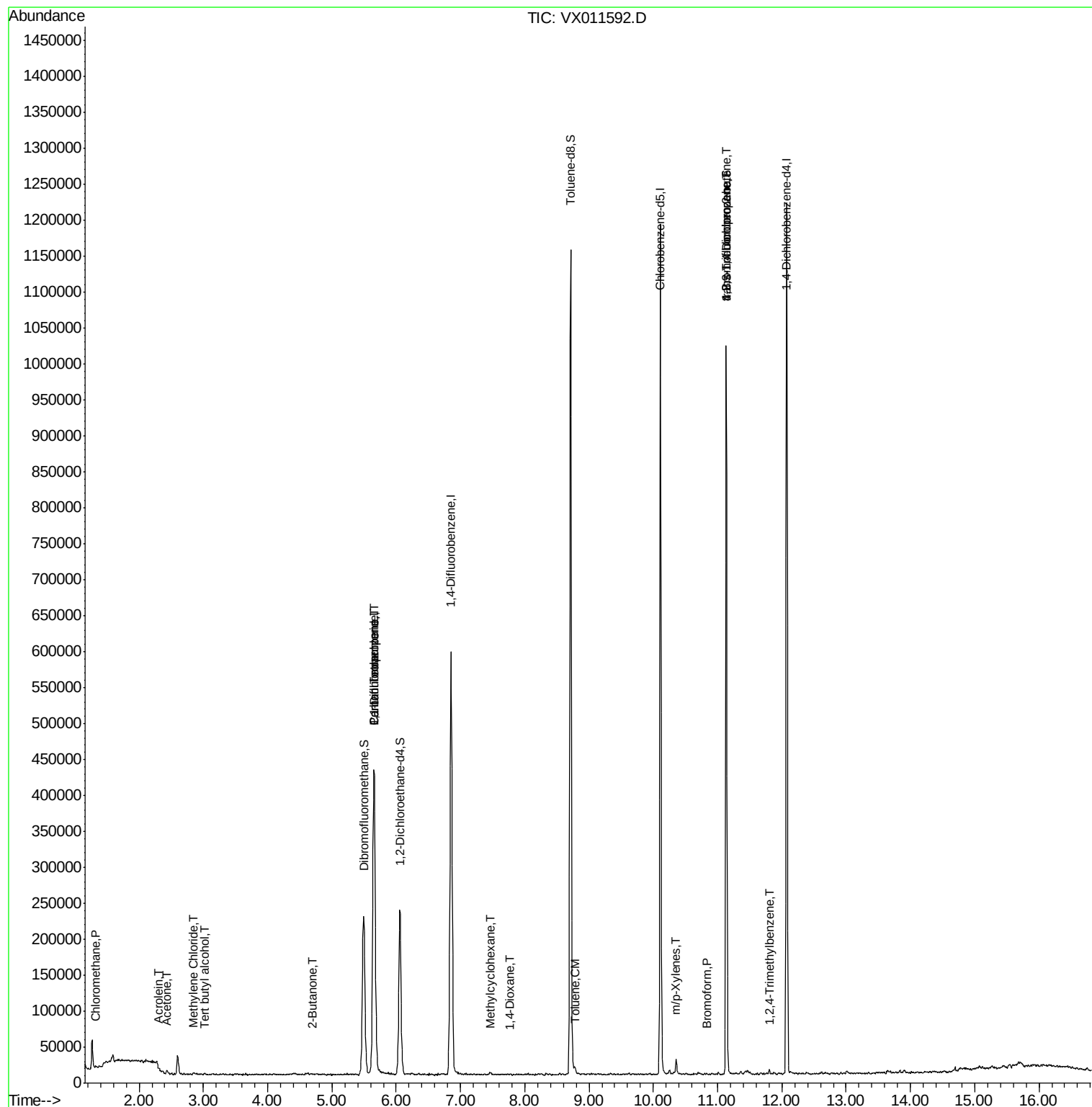
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2003	0.423	ug/l #	73
11) Tert butyl alcohol	3.02	59	1741	1.652	ug/l #	75
13) Acrolein	2.31	56	328	13.146	ug/l #	15
16) Acetone	2.44	43	6439	2.981	ug/l	92
20) Methylene Chloride	2.84	84	1392	0.307	ug/l #	55
25) 2-Butanone	4.70	43	926	0.273	ug/l #	63
36) 1,1-Dichloropropene	5.66	75	26948	4.976	ug/l #	49
38) Carbon Tetrachloride	5.65	117	40037	6.710	ug/l #	16
39) Methylcyclohexane	7.47	83	2027	0.303	ug/l #	73
49) 1,4-Dioxane	7.77	88	329	2.570	ug/l #	1
52) Toluene	8.79	92	2661	0.248	ug/l	99
68) m/p-Xylenes	10.35	106	4951	0.649	ug/l	86
71) Bromoform	10.83	173	76	3.308	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	121146	22.652	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	121146	60.343	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.80	105	3318	0.215	ug/l	99

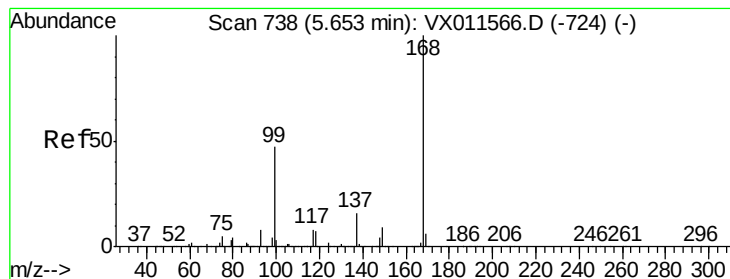
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011592.D

Acq: 16 Aug 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

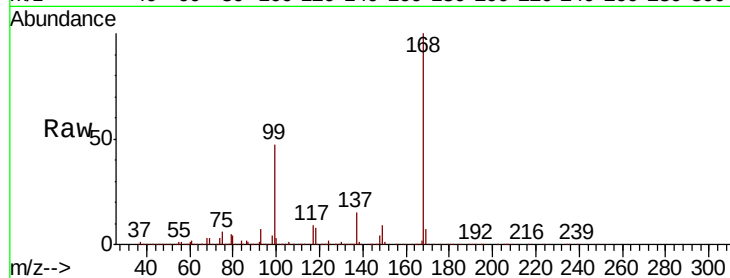
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 168 Resp: 463300

Ion Ratio Lower Upper

168 100

99 46.9 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

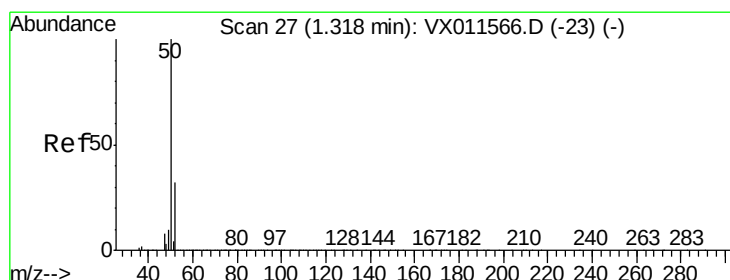
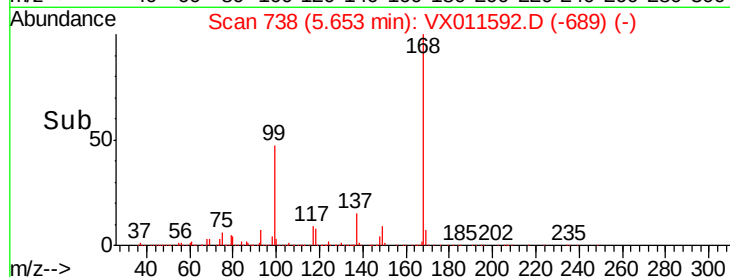
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.423 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011592.D

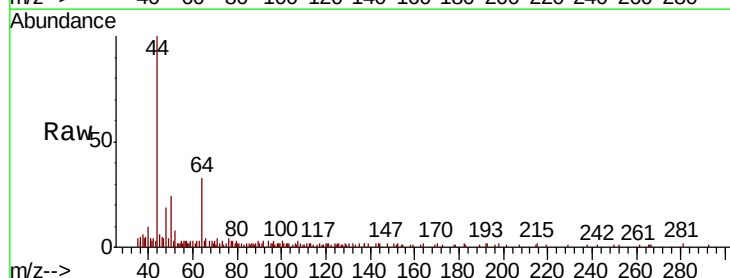
Acq: 16 Aug 2019 19:32

Tgt Ion: 50 Resp: 2003

Ion Ratio Lower Upper

50 100

52 17.4 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

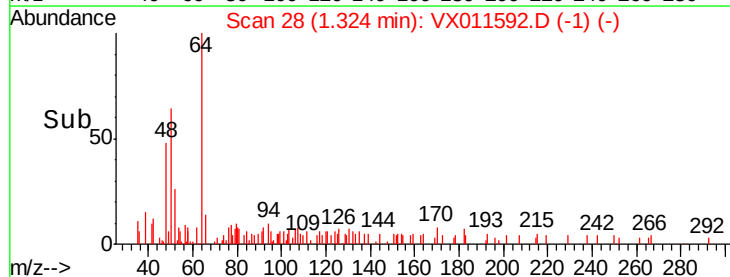
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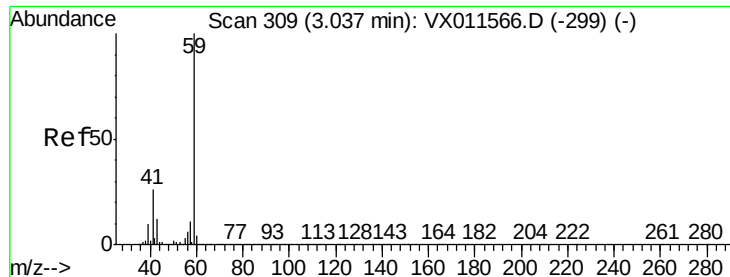
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0

Time-->

1.30 1.35 1.40

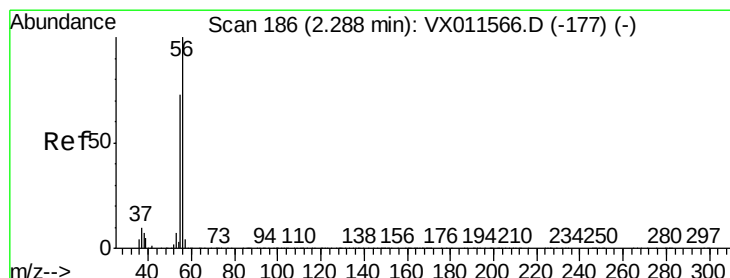
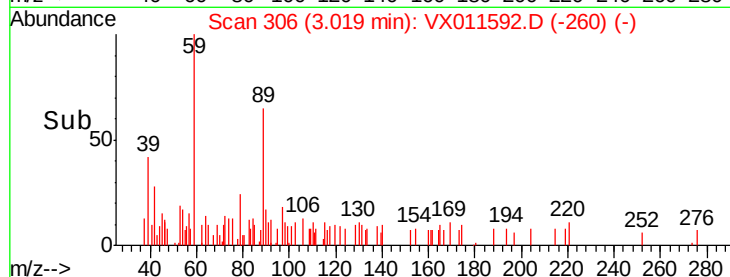
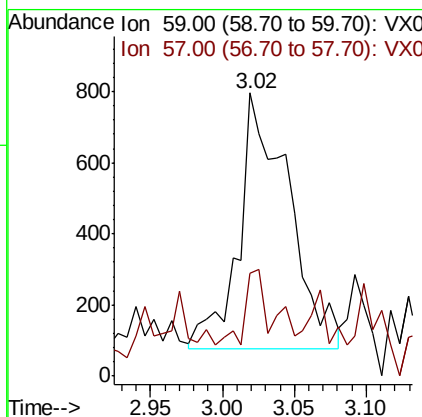
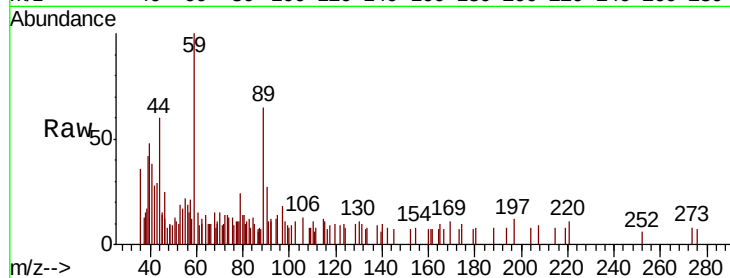




#11
Tert butyl alcohol
Concen: 1.652 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX011592.D
Acq: 16 Aug 2019 19:32

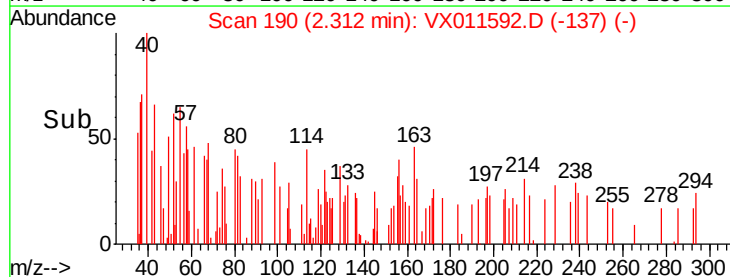
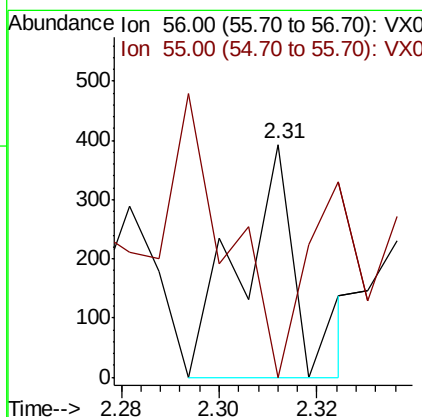
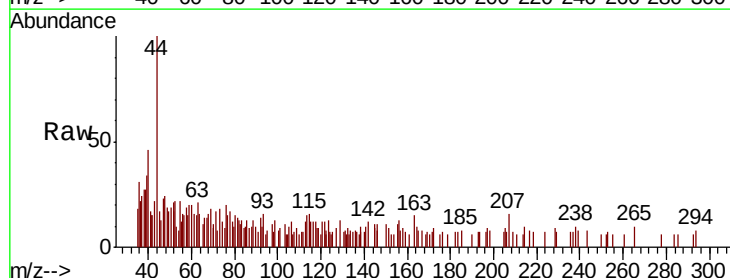
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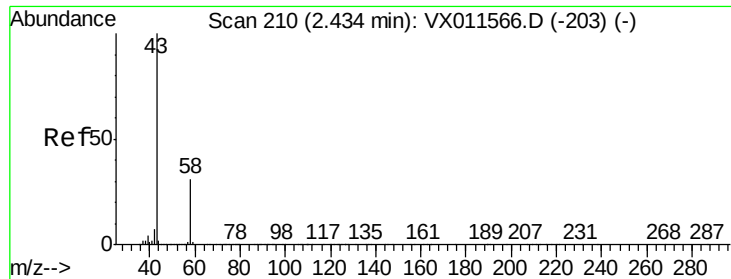
Tgt Ion: 59 Resp: 1741
Ion Ratio Lower Upper
59 100
57 20.4 8.7 13.1#



#13
Acrolein
Concen: 13.146 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.03 min
Lab File: VX011592.D
Acq: 16 Aug 2019 19:32

Tgt Ion: 56 Resp: 328
Ion Ratio Lower Upper
56 100
55 139.0 55.5 83.3#

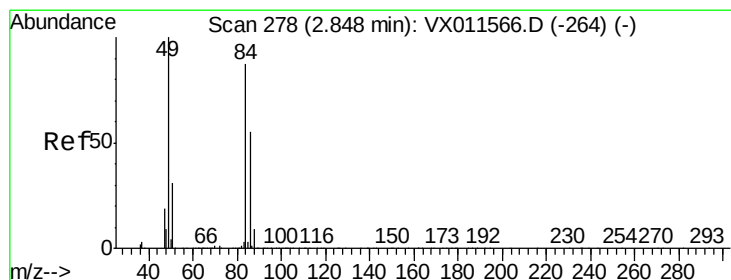
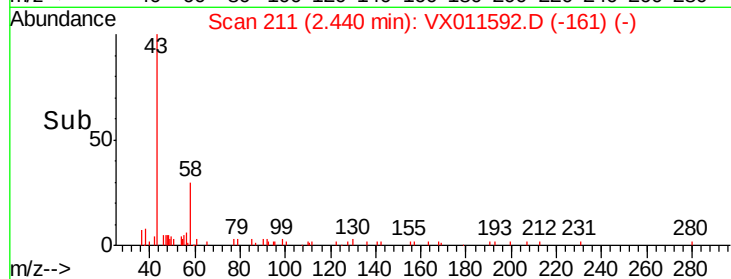
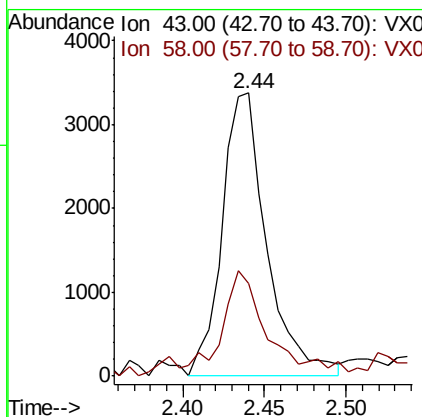
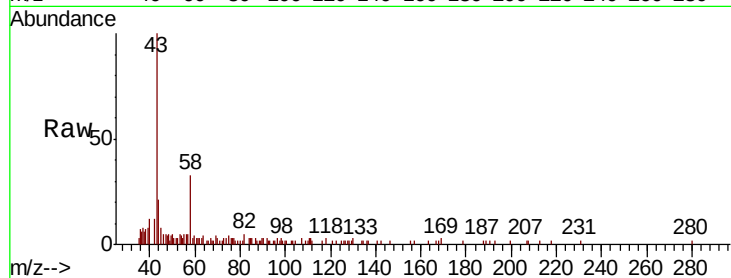




#16
Acetone
Concen: 2.981 ug/l
RT: 2.44 min Scan# 211
Delta R.T. 0.01 min
Lab File: VX011592.D
Acq: 16 Aug 2019 19:32

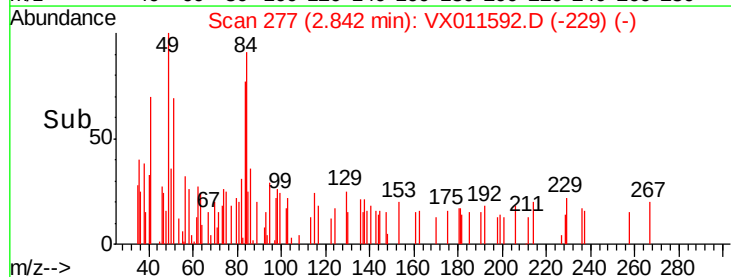
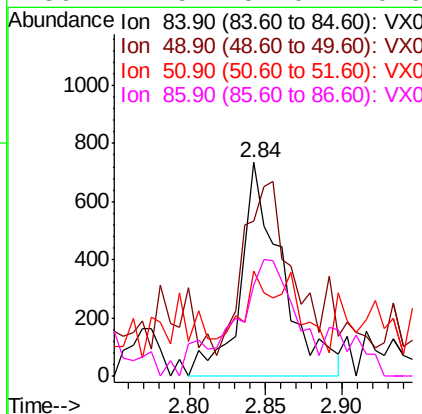
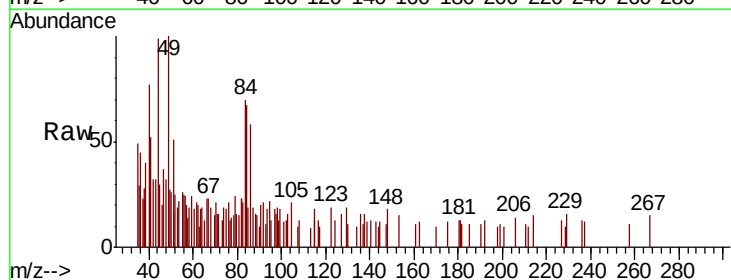
Instrument :
MSVOA_X
ClientSampleId :
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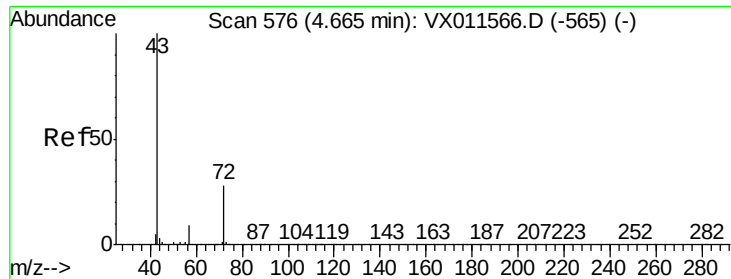
Tgt Ion: 43 Resp: 6439
Ion Ratio Lower Upper
43 100
58 27.3 25.2 37.8



#20
Methylene Chloride
Concen: 0.307 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX011592.D
Acq: 16 Aug 2019 19:32

Tgt Ion: 84 Resp: 1392
Ion Ratio Lower Upper
84 100
49 54.0 92.4 138.6#
51 32.8 28.5 42.7
86 27.5 51.0 76.6#

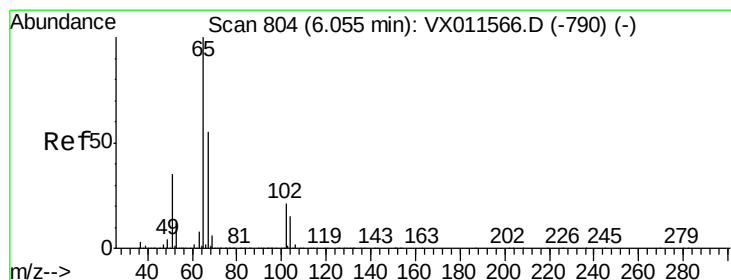
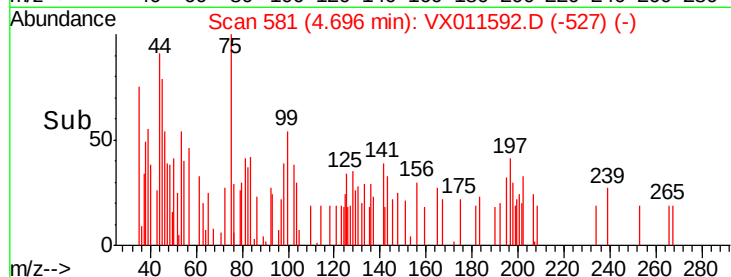
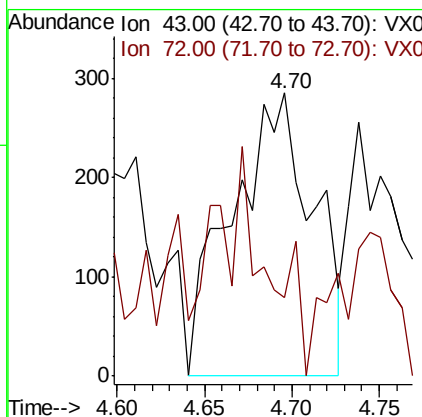
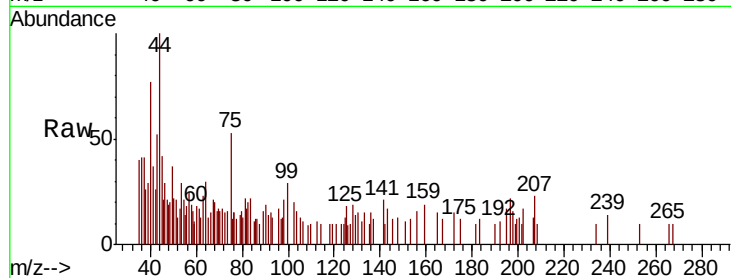




#25
2-Butanone
Concen: 0.273 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.03 min
Lab File: VX011592.D
Acq: 16 Aug 2019 19:32

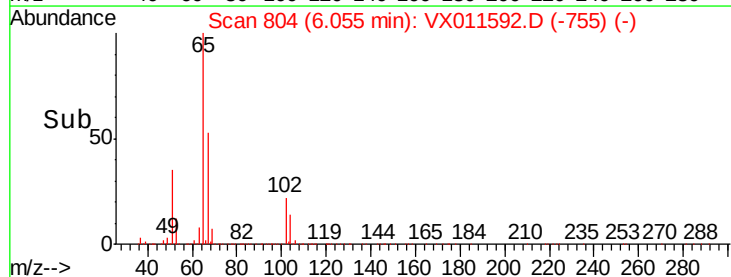
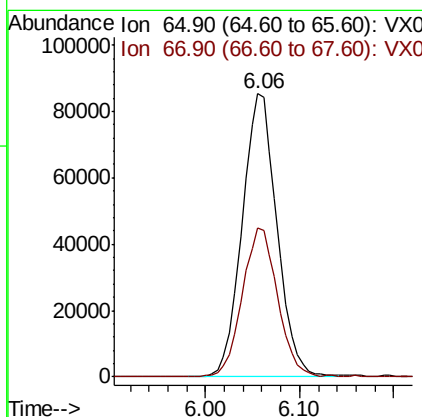
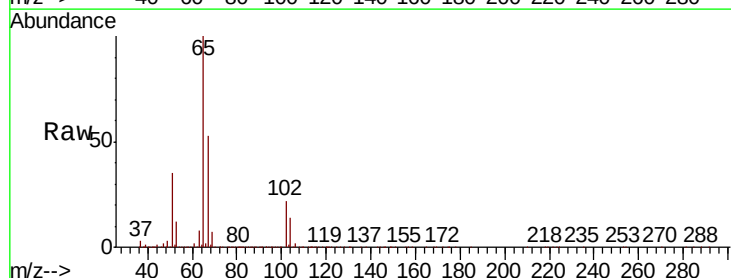
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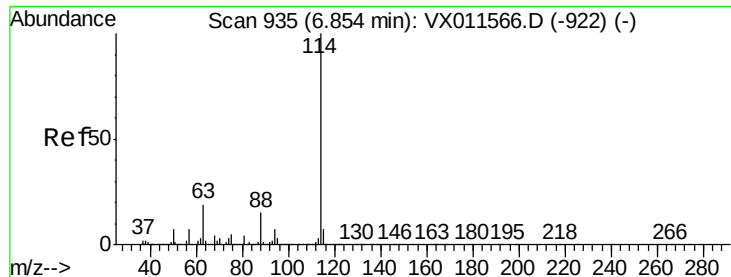
Tgt Ion: 43 Resp: 926
Ion Ratio Lower Upper
43 100
72 8.4 22.2 33.4#



#33
1,2-Dichloroethane-d4
Concen: 51.231 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011592.D
Acq: 16 Aug 2019 19:32

Tgt Ion: 65 Resp: 220113
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.6

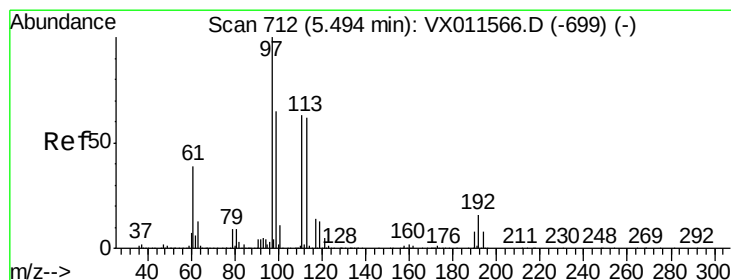
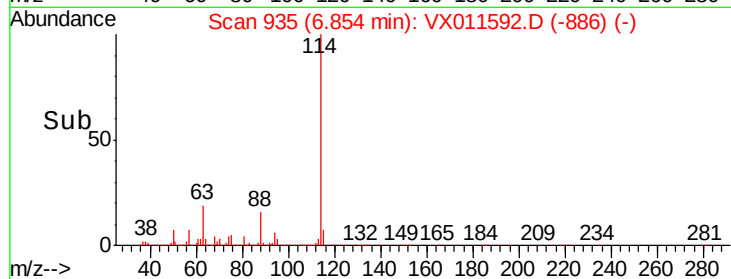
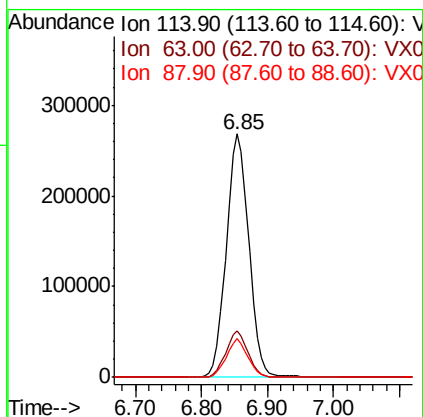
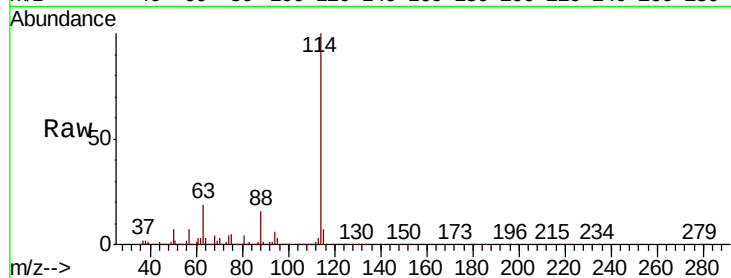




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011592.D
 Acq: 16 Aug 2019 19:32

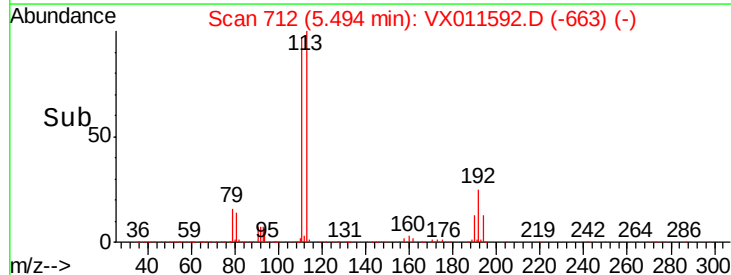
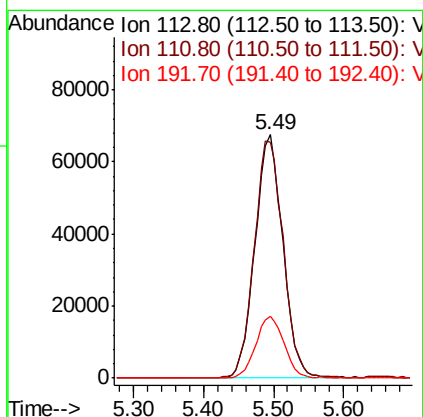
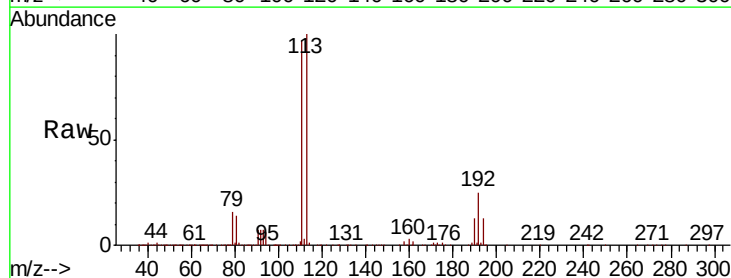
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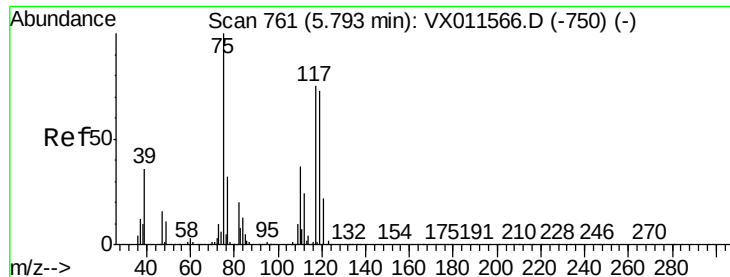
Tgt Ion:	114	Resp:	633406
Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	37.8
88	15.7	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 45.349 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011592.D
 Acq: 16 Aug 2019 19:32

Tgt Ion:	113	Resp:	187877
Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.1	121.7
192	25.8	20.8	31.2

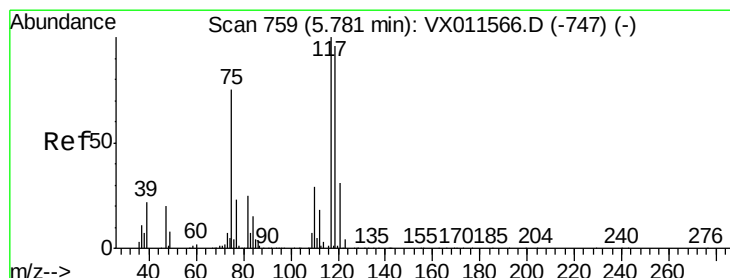
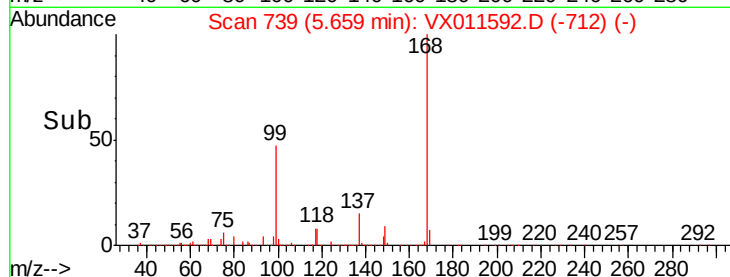
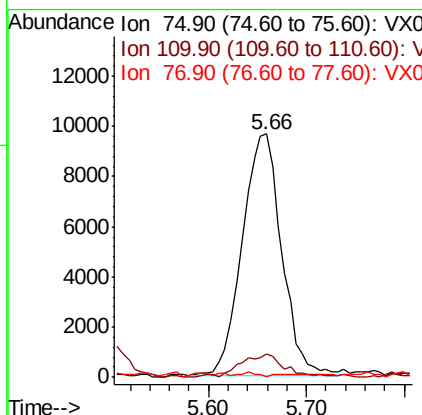
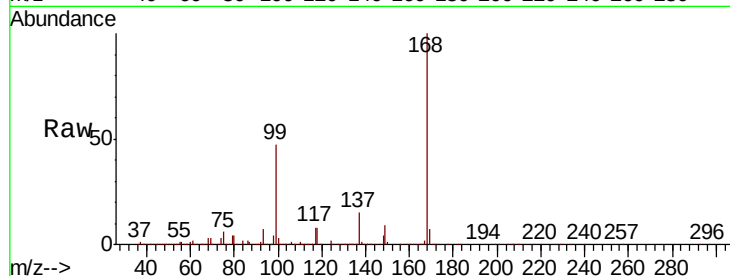




#36
 1,1-Dichloropropene
 Concen: 4.976 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011592.D
 Acq: 16 Aug 2019 19:32

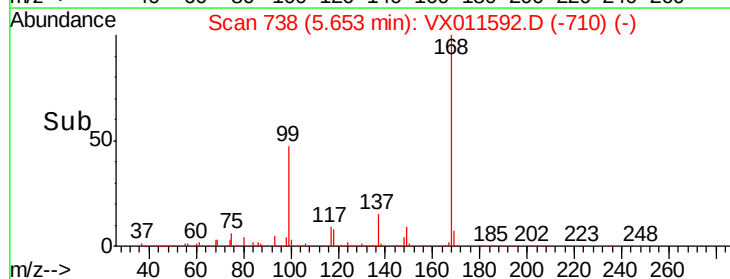
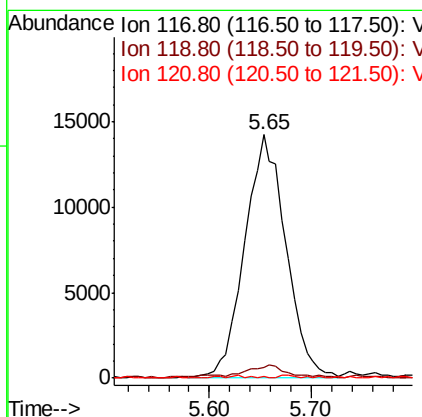
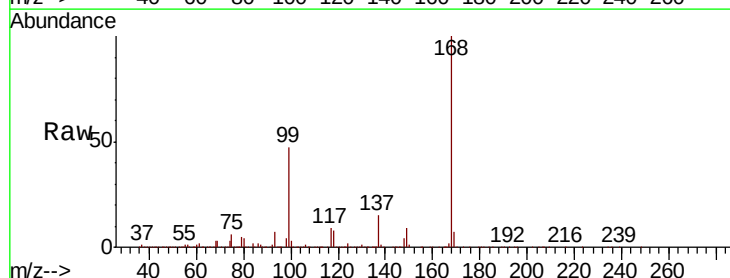
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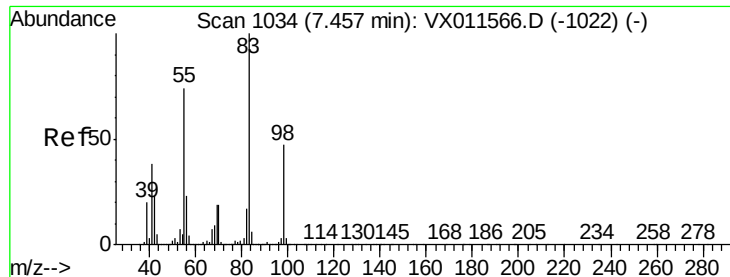
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	19.4	58.1#
77	0.4	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.710 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011592.D
 Acq: 16 Aug 2019 19:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.9	115.3#
121	0.7	24.8	37.2#

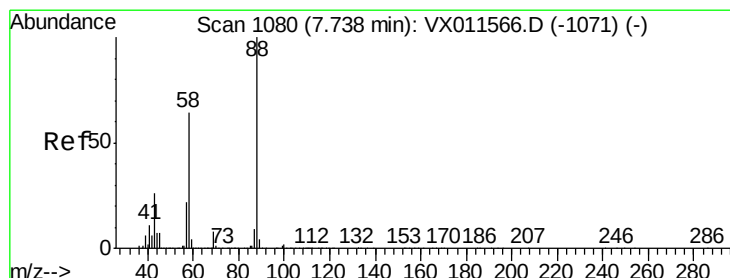
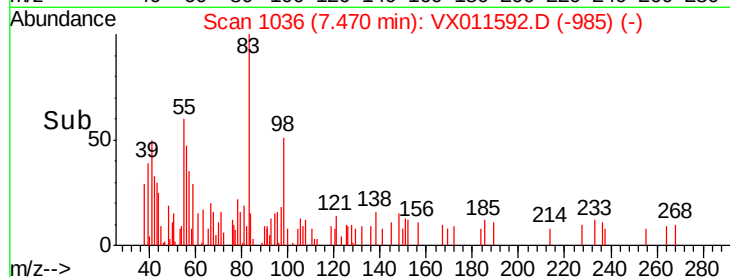
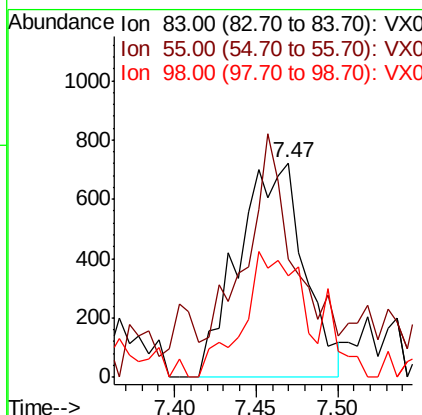
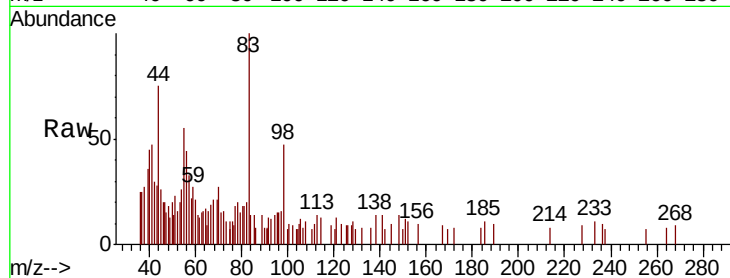




#39
Methylcyclohexane
Concen: 0.303 ug/l
RT: 7.47 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VX011592.D
Acq: 16 Aug 2019 19:32

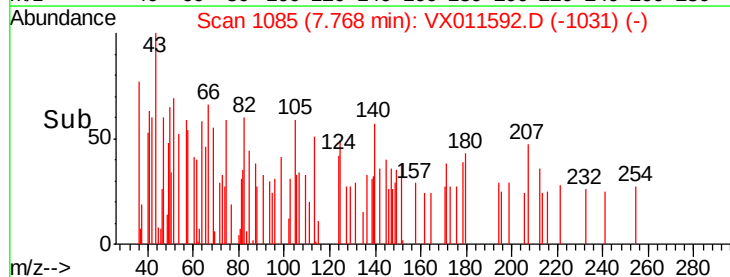
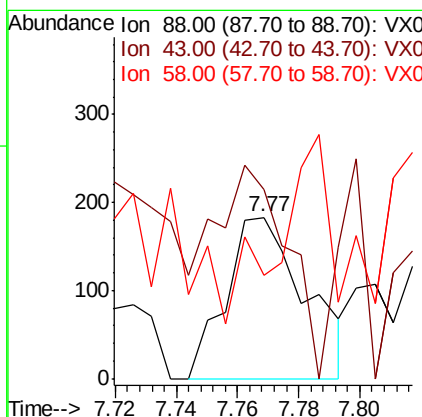
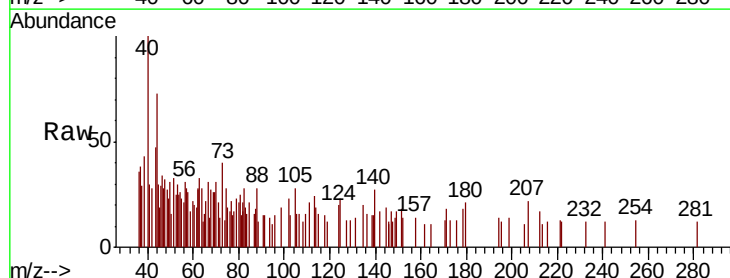
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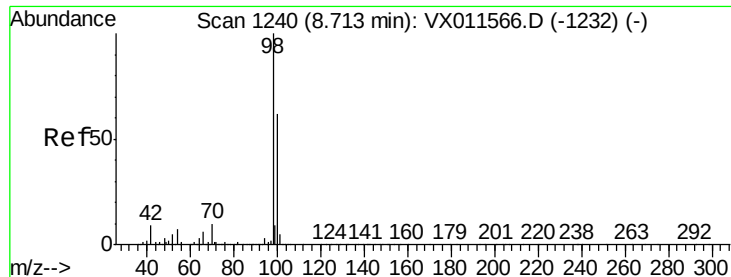
Tgt Ion: 83 Resp: 2027
Ion Ratio Lower Upper
83 100
55 36.0 58.8 88.2#
98 47.1 37.8 56.6



#49
1,4-Dioxane
Concen: 2.570 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.03 min
Lab File: VX011592.D
Acq: 16 Aug 2019 19:32

Tgt Ion: 88 Resp: 329
Ion Ratio Lower Upper
88 100
43 122.5 23.4 35.0#
58 0.0 54.3 81.5#

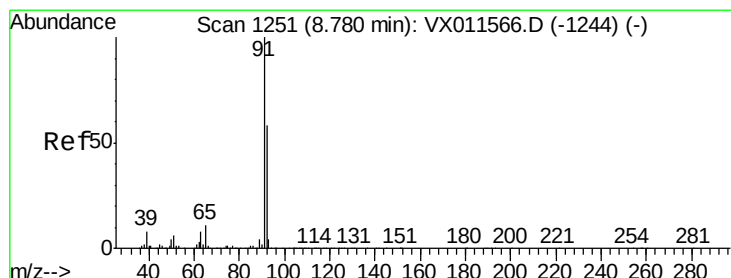
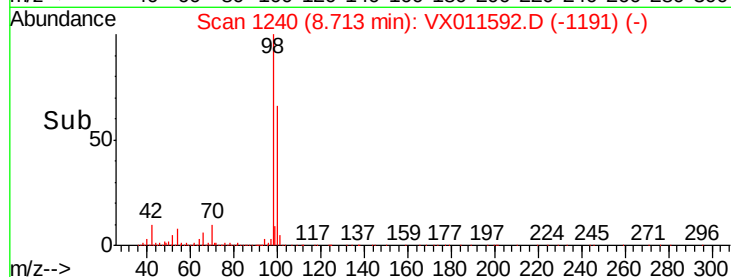
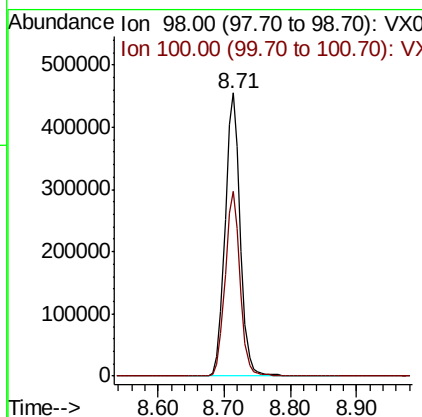
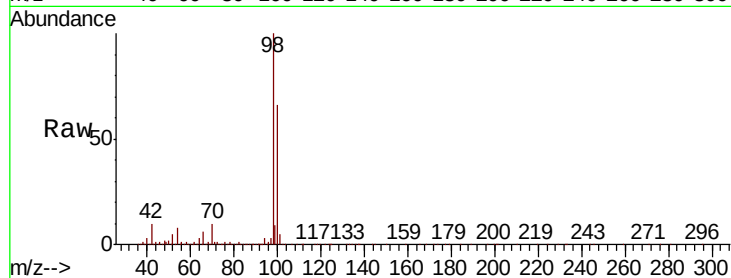




#50
Toluene-d8
Concen: 56.024 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011592.D
Acq: 16 Aug 2019 19:32

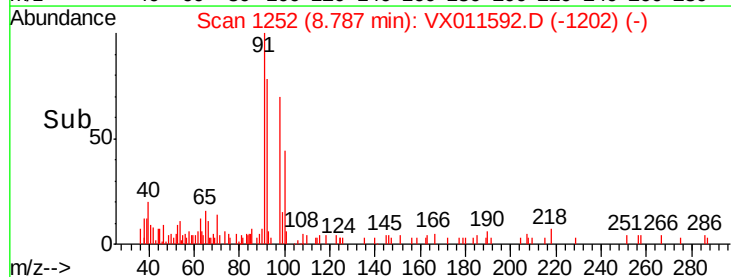
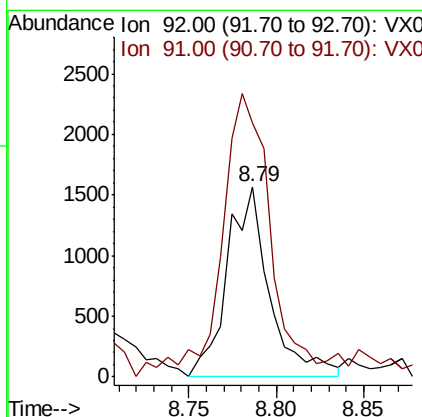
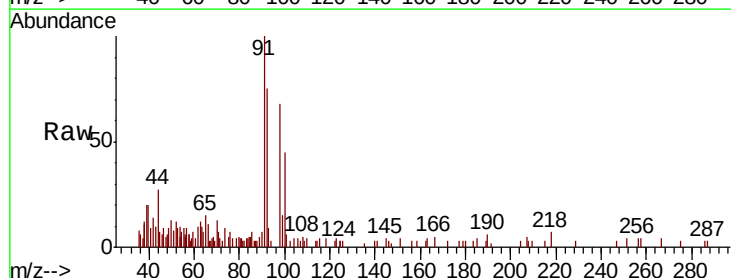
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

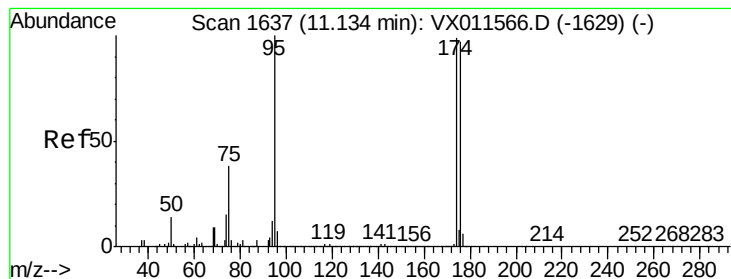
Tgt Ion: 98 Resp: 723202
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6



#52
Toluene
Concen: 0.248 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX011592.D
Acq: 16 Aug 2019 19:32

Tgt Ion: 92 Resp: 2661
Ion Ratio Lower Upper
92 100
91 170.9 138.0 207.0





#62

4-Bromofluorobenzene

Concen: 47.455 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011592.D

Acq: 16 Aug 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

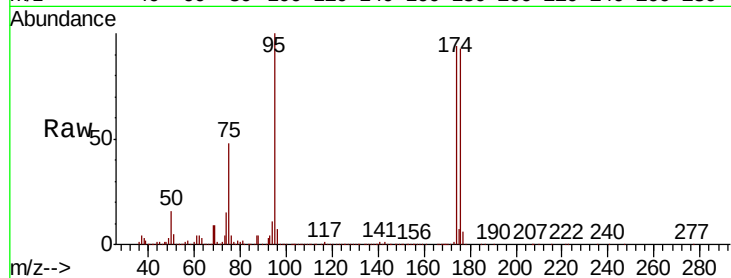
Tgt Ion: 95 Resp: 258559

Ion Ratio Lower Upper

95 100

174 98.1 0.0 200.6

176 95.3 0.0 196.6

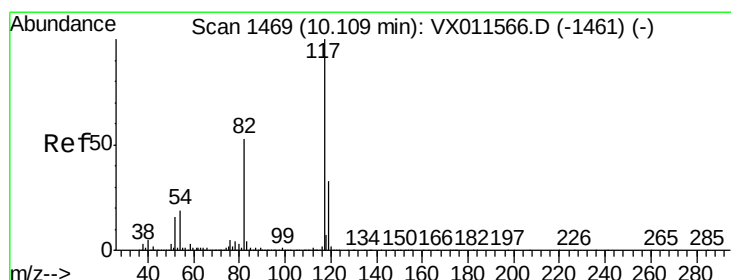
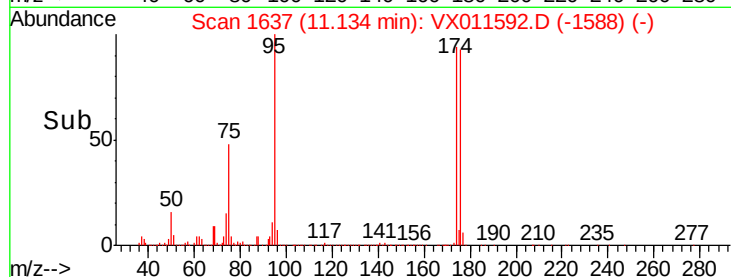


Abundance Ion 94.90 (94.60 to 95.60): VX011566.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX011566.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX011566.D (-1629) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011592.D

Acq: 16 Aug 2019 19:32

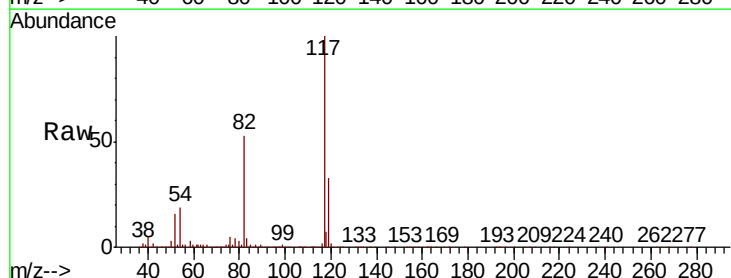
Tgt Ion: 117 Resp: 558317

Ion Ratio Lower Upper

117 100

82 53.0 42.0 63.0

119 32.7 26.5 39.7

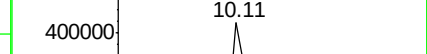
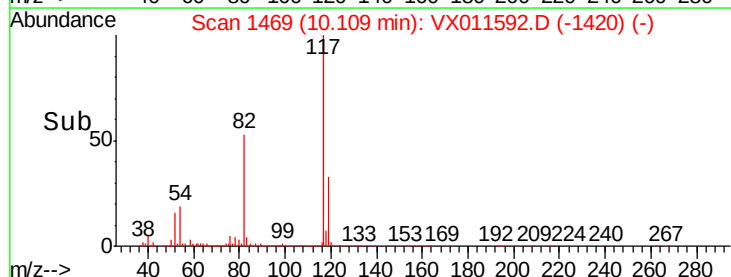


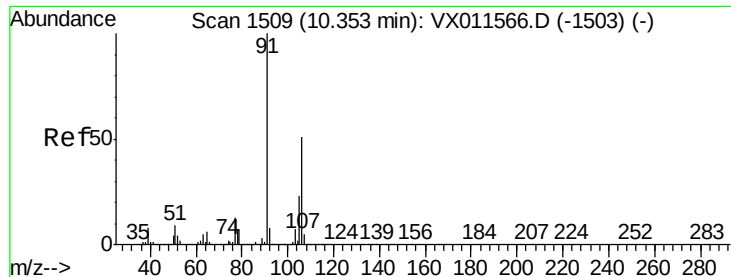
Abundance Ion 116.90 (116.60 to 117.60): VX011566.D (-1461) (-)

Ion 82.00 (81.70 to 82.70): VX011566.D (-1461) (-)

Ion 118.90 (118.60 to 119.60): VX011566.D (-1461) (-)

Time-->





#68

m/p-Xylenes

Concen: 0.649 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011592.D

Acq: 16 Aug 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

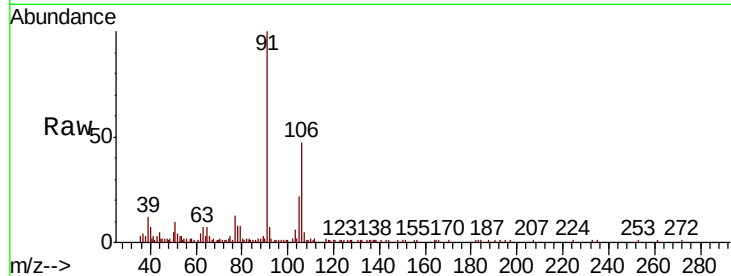
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion:106 Resp: 4951

Ion Ratio Lower Upper

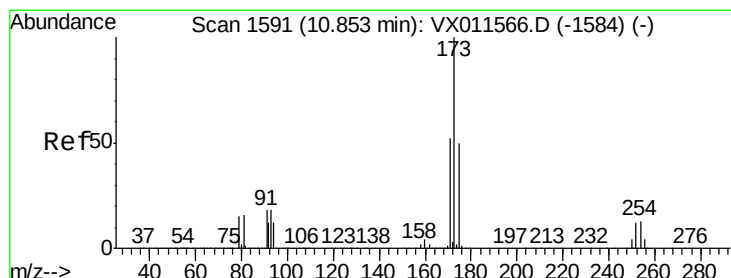
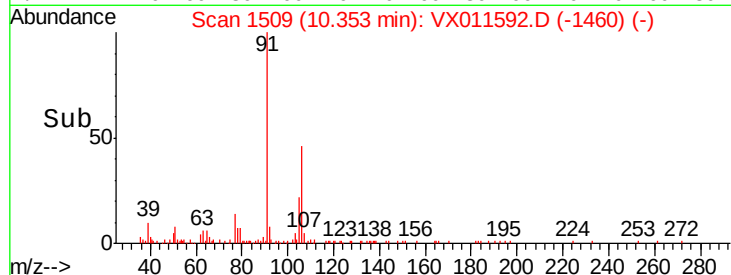
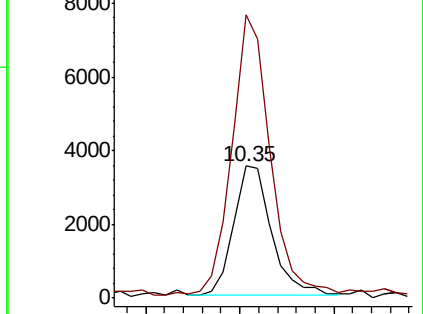
106 100

91 215.6 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#71

Bromoform

Concen: 3.308 ug/l

RT: 10.83 min Scan# 1587

Delta R.T. -0.02 min

Lab File: VX011592.D

Acq: 16 Aug 2019 19:32

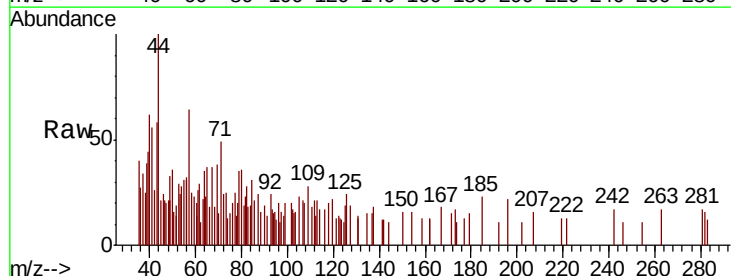
Tgt Ion:173 Resp: 76

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

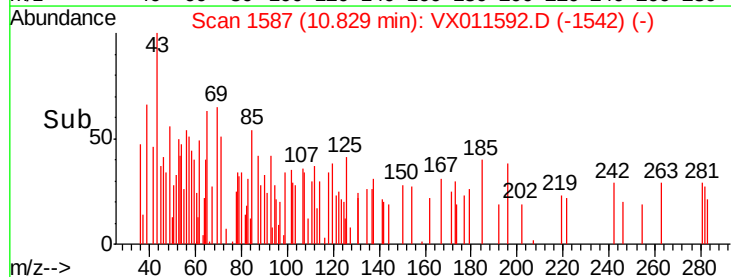
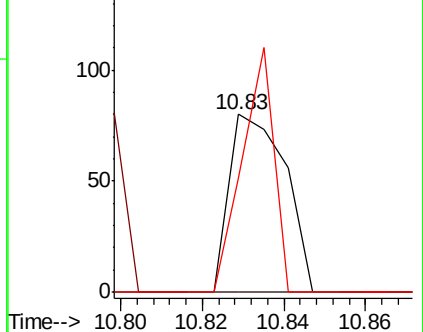
254 77.6 0.1 0.1#

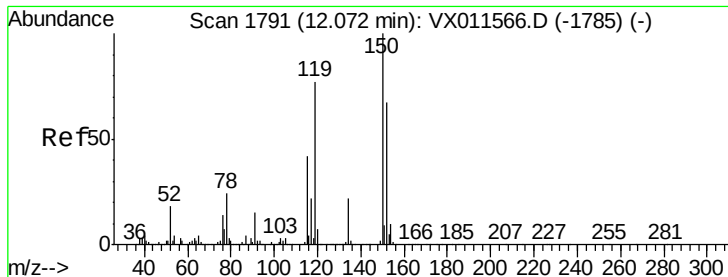


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



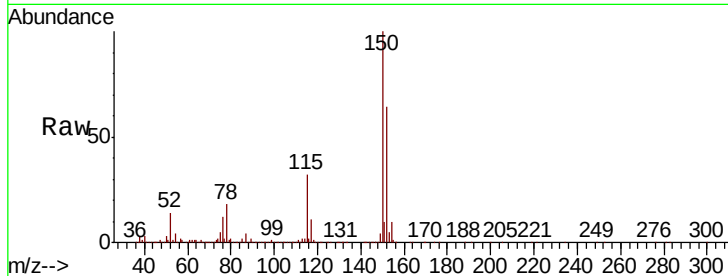


#72

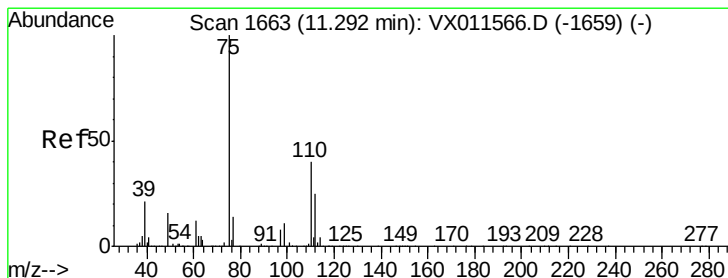
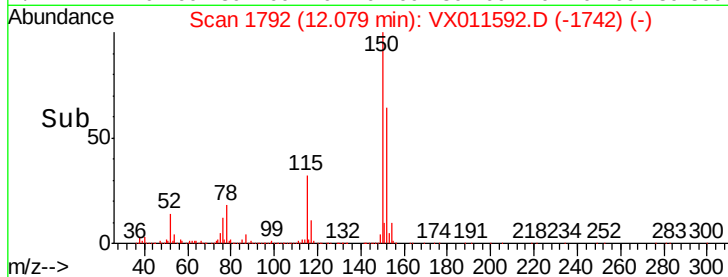
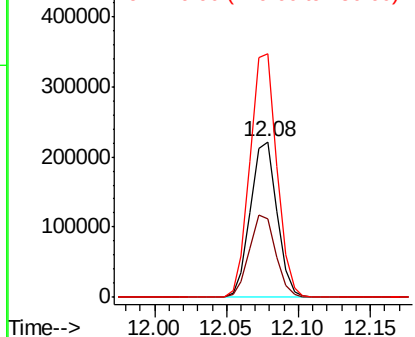
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011592.D
Acq: 16 Aug 2019 19:32

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 152 Resp: 282043
Ion Ratio Lower Upper
152 100
115 52.7 37.3 111.9
150 157.9 0.0 346.2



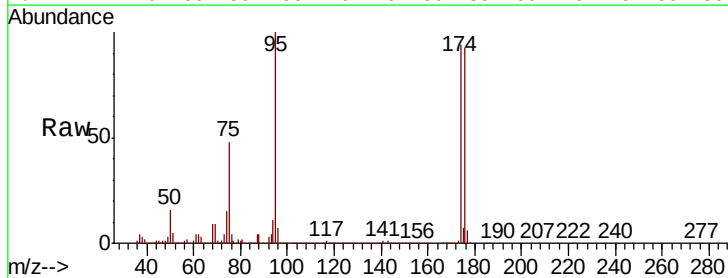
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



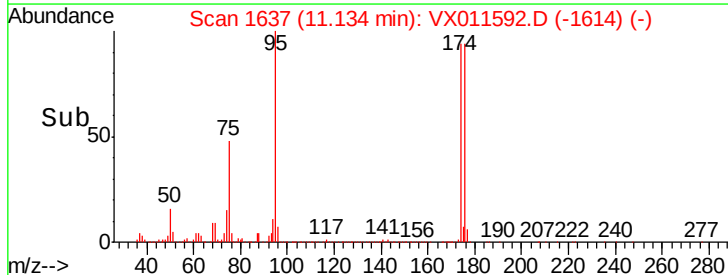
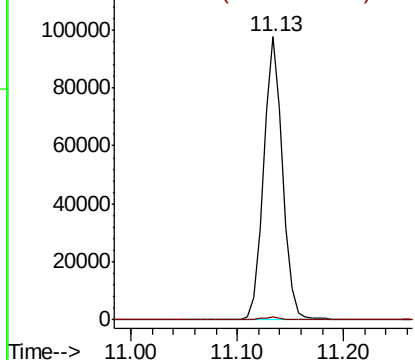
#76

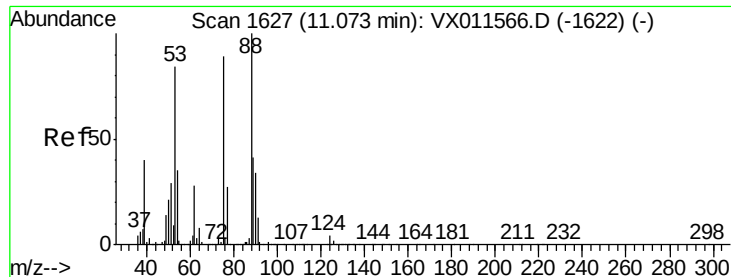
1,2,3-Trichloropropane
Concen: 22.652 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011592.D
Acq: 16 Aug 2019 19:32

Tgt Ion: 75 Resp: 121146
Ion Ratio Lower Upper
75 100
77 1.4 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.343 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011592.D

Acq: 16 Aug 2019 19:32

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

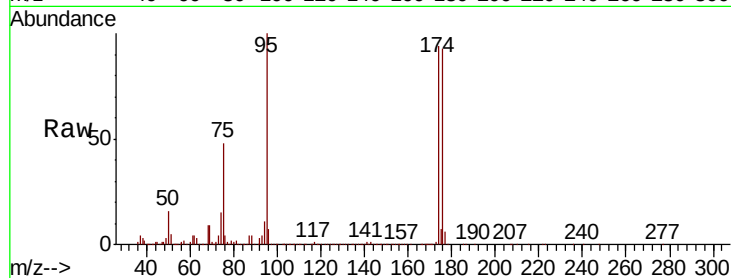
Tgt Ion: 75 Resp: 121146

Ion Ratio Lower Upper

75 100

53 0.2 77.4 116.0#

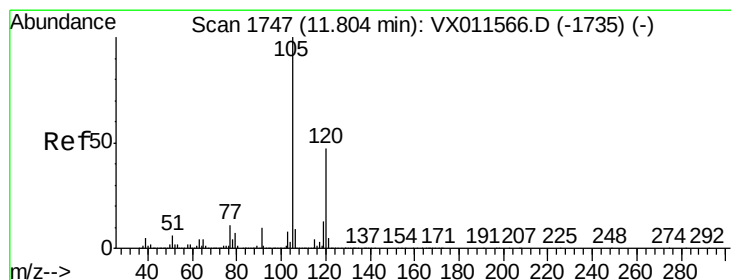
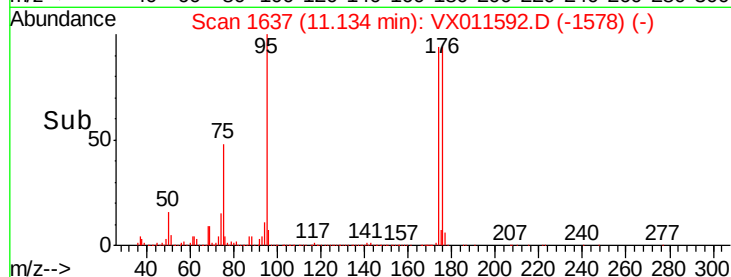
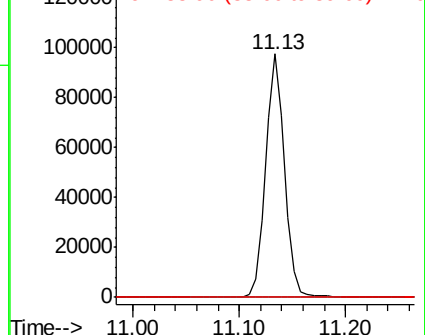
89 0.1 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 0.215 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011592.D

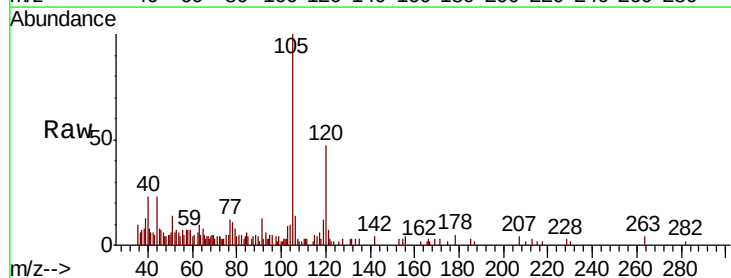
Acq: 16 Aug 2019 19:32

Tgt Ion: 105 Resp: 3318

Ion Ratio Lower Upper

105 100

120 47.3 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

