

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062719\
 Data File : VX010517.D
 Acq On : 28 Jun 2019 04:10
 Operator : JC/SP
 Sample : K3157-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 06:57:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	259721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	396504	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	363588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166713	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	120537	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
35) Dibromofluoromethane	5.50	113	119689	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	8.71	98	469177	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	11.13	95	155250	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	

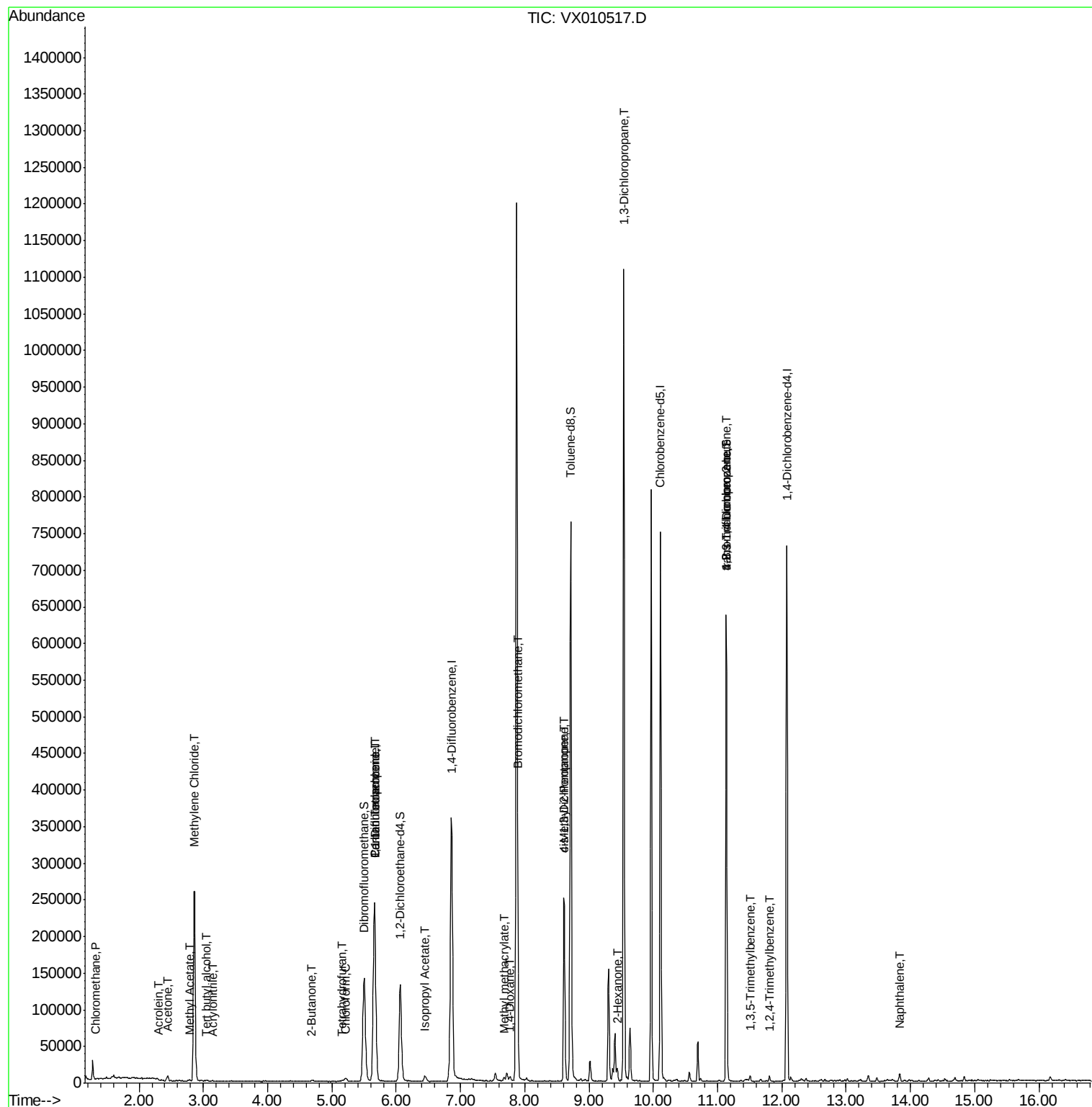
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	453	0.215	ug/l	91
11) Tert butyl alcohol	3.04	59	1037	1.627	ug/l #	78
13) Acrolein	2.31	56	485	1.147	ug/l #	63
15) Acrylonitrile	3.15	53	358	0.284	ug/l #	46
16) Acetone	2.45	43	7851	6.433	ug/l	97
18) Methyl Acetate	2.78	43	2865	1.178	ug/l	96
20) Methylene Chloride	2.85	84	134470	53.541	ug/l	94
25) 2-Butanone	4.68	43	2404	1.343	ug/l	99
29) Tetrahydrofuran	5.15	42	892	0.804	ug/l #	86
30) Chloroform	5.21	83	4764	1.146	ug/l	95
36) 1,1-Dichloropropene	5.66	75	14810	4.700	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22480	6.589	ug/l #	15
43) Isopropyl Acetate	6.45	43	10307	1.922	ug/l	97
47) Bromodichloromethane	7.90	83	1064	0.326	ug/l	91
48) Methyl methacrylate	7.68	41	6368	2.555	ug/l #	10
49) 1,4-Dioxane	7.76	88	52	0.724	ug/l #	28
51) 4-Methyl-2-Pentanone	8.61	43	79570	23.199	ug/l #	46
54) cis-1,3-Dichloropropene	8.62	75	43837	11.039	ug/l #	62
57) 1,3-Dichloropropane	9.54	76	9834	2.376	ug/l #	47
59) 2-Hexanone	9.44	43	10424	3.861	ug/l #	22
76) 1,2,3-Trichloropropane	11.13	75	74180	24.418	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.51	105	3202	0.344	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	74180	56.964	ug/l #	16
84) 1,2,4-Trimethylbenzene	11.80	105	2777	0.297	ug/l	94
95) Naphthalene	13.83	128	6675	0.572	ug/l	97

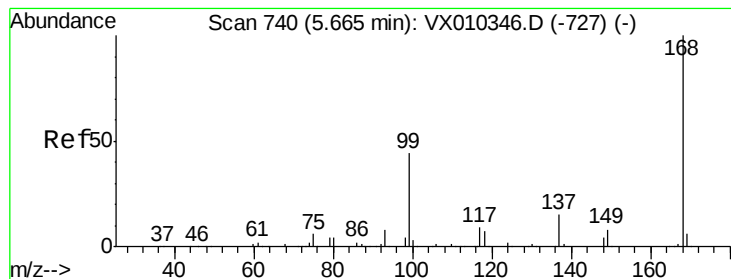
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062719\
Data File : VX010517.D
Acq On : 28 Jun 2019 04:10
Operator : JC/SP
Sample : K3157-18
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 28 06:57:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010517.D

Acq: 28 Jun 2019 04:10

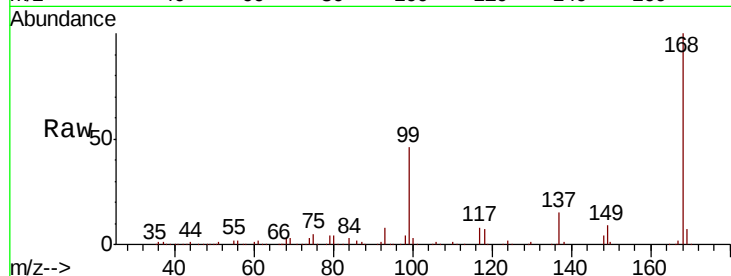
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 259721

Ion Ratio Lower Upper

168 100

99 46.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

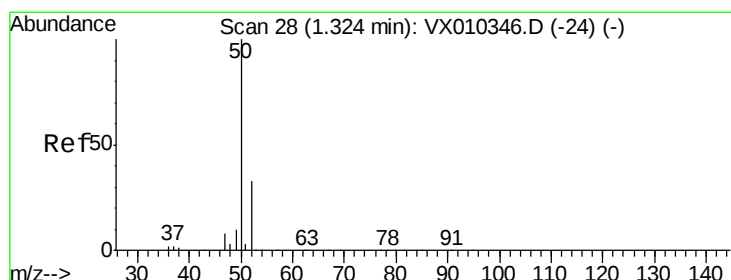
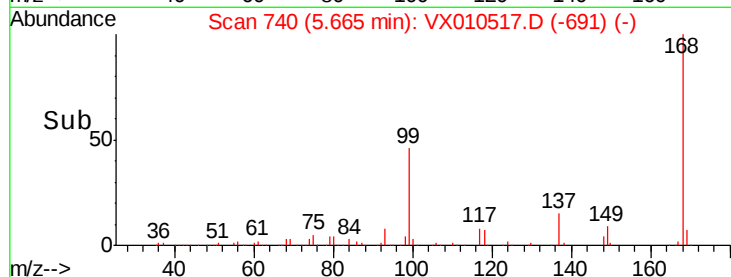
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.215 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010517.D

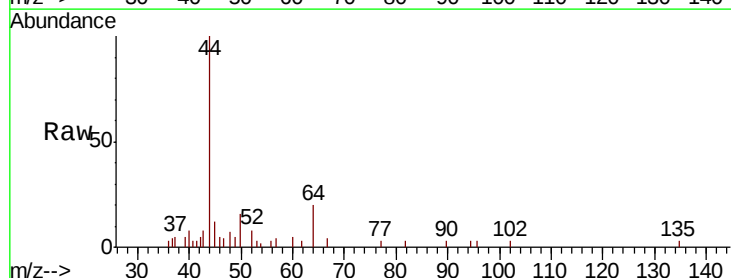
Acq: 28 Jun 2019 04:10

Tgt Ion: 50 Resp: 453

Ion Ratio Lower Upper

50 100

52 38.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

300

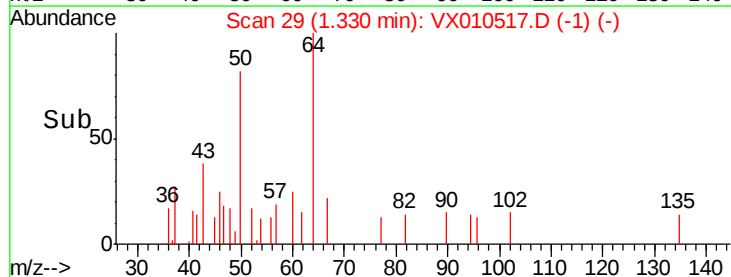
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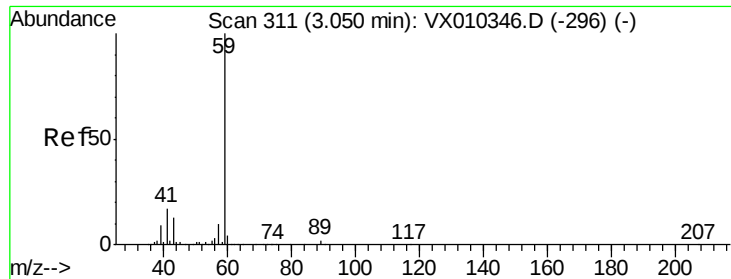
100

0

Time-->

1.30 1.32 1.34 1.36



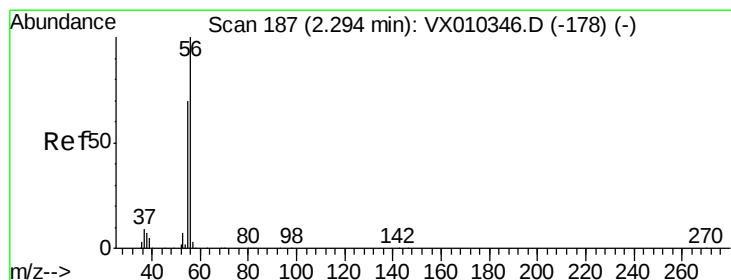
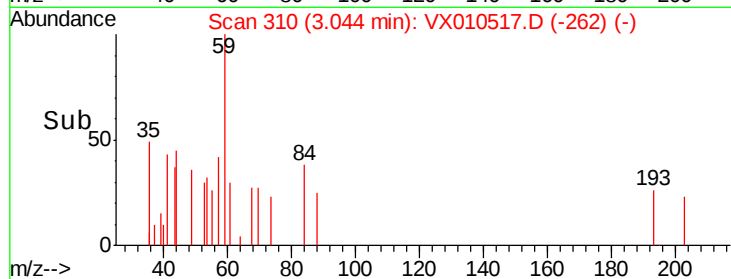
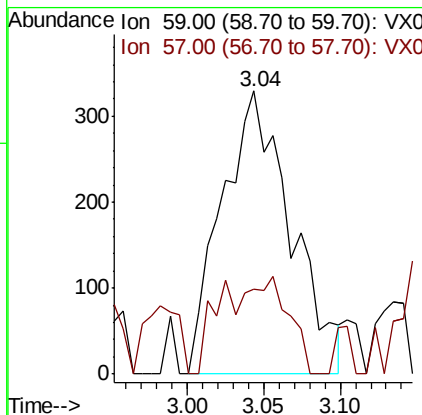
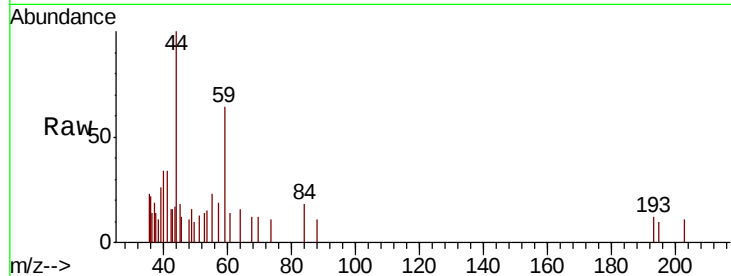


#11

Tert butyl alcohol
Concen: 1.627 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

Instrument :
MSVOA_X
ClientSampleId :

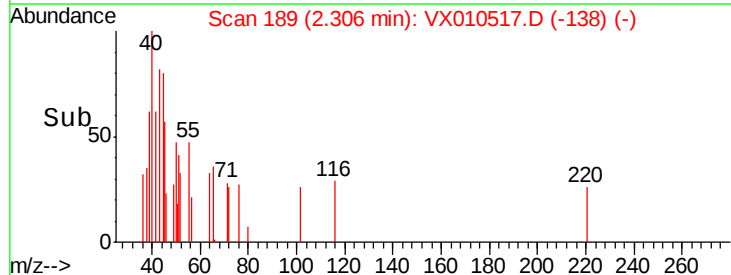
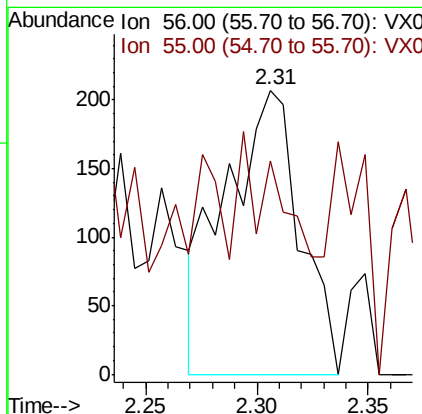
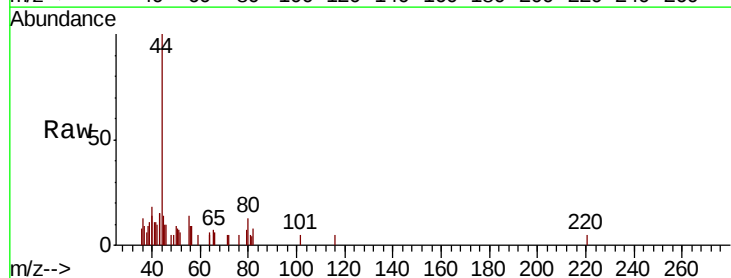
Tot Ion: 59 Resp: 1037
Ion Ratio Lower Upper
59 100
57 17.7 7.7 11.5#

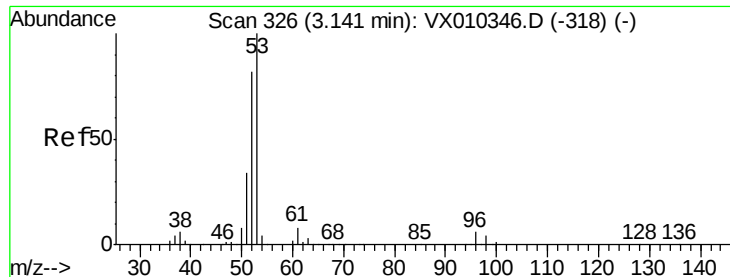


#13

Acrolein
Concen: 1.147 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

Tgt Ion: 56 Resp: 485
Ion Ratio Lower Upper
56 100
55 40.2 56.9 85.3#





#15

Acrylonitrile

Concen: 0.284 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX010517.D

Acq: 28 Jun 2019 04:10

Instrument :

MSVOA_X

ClientSampled :

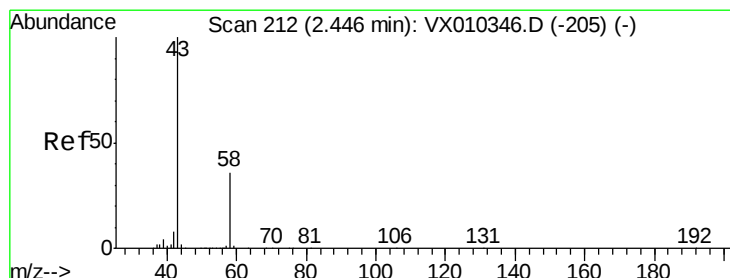
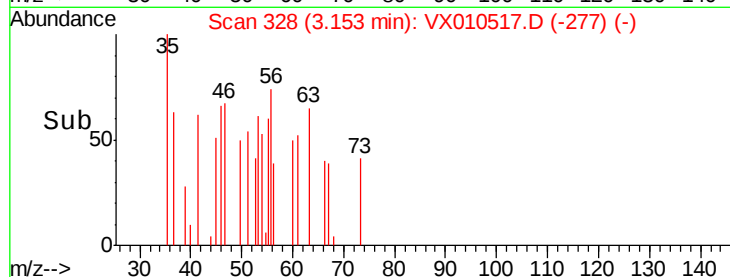
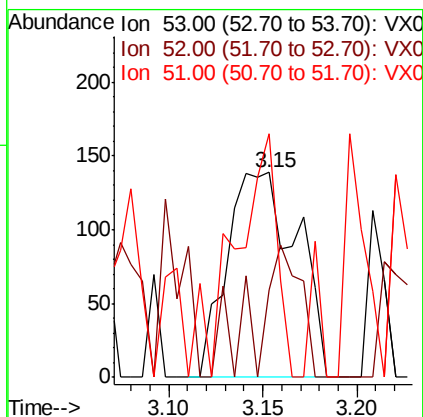
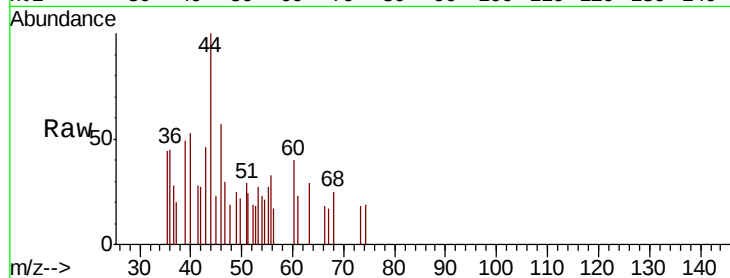
Tot Ion: 53 Resp: 358

Ion Ratio Lower Upper

53 100

52 36.0 65.5 98.3#

51 0.0 28.2 42.4#



#16

Acetone

Concen: 6.433 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010517.D

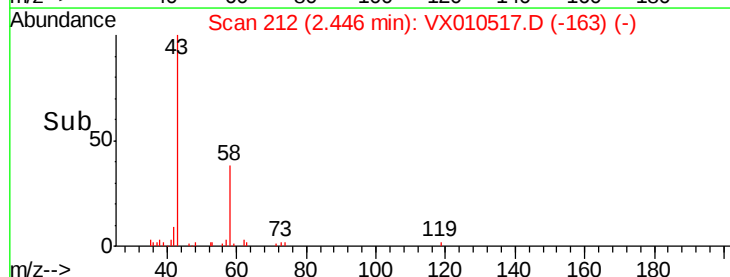
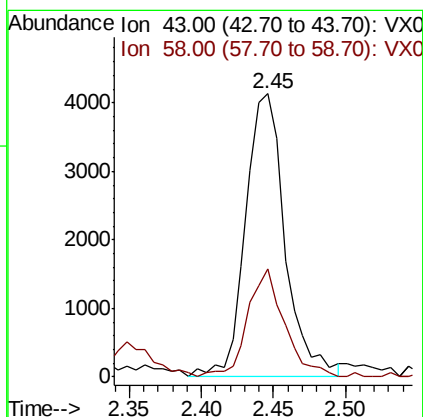
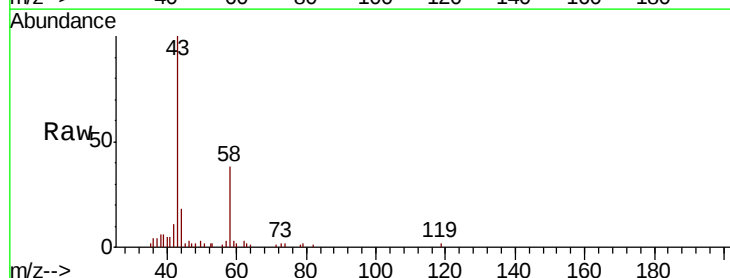
Acq: 28 Jun 2019 04:10

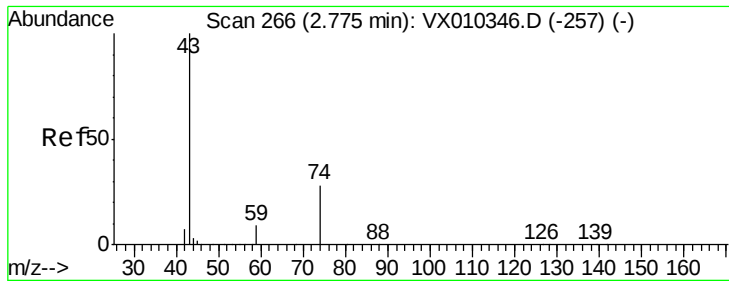
Tgt Ion: 43 Resp: 7851

Ion Ratio Lower Upper

43 100

58 38.1 28.9 43.3

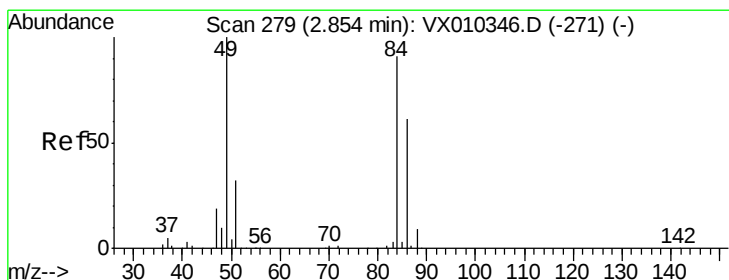
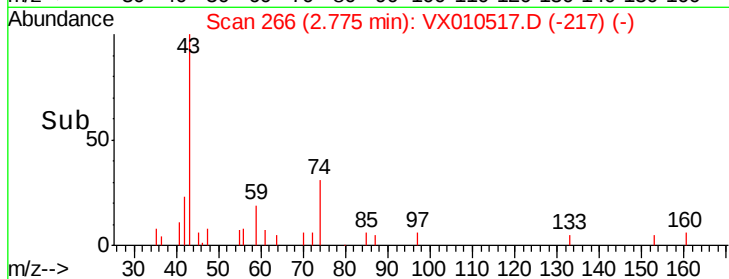
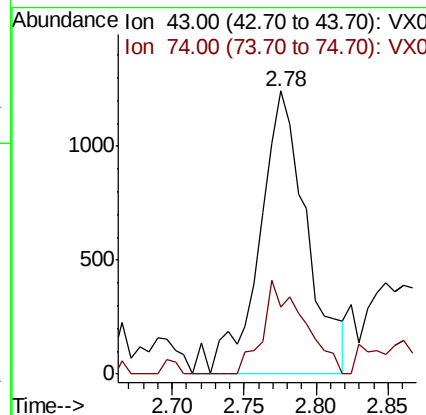
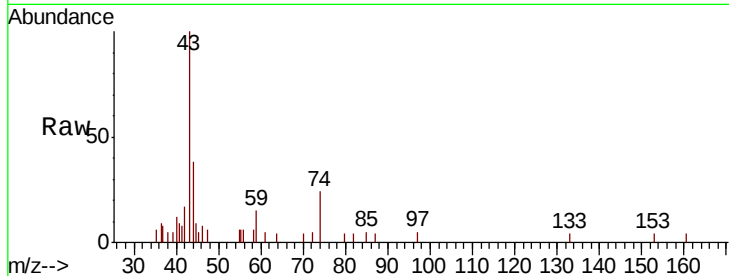




#18
Methvl Acetate
Concen: 1.178 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

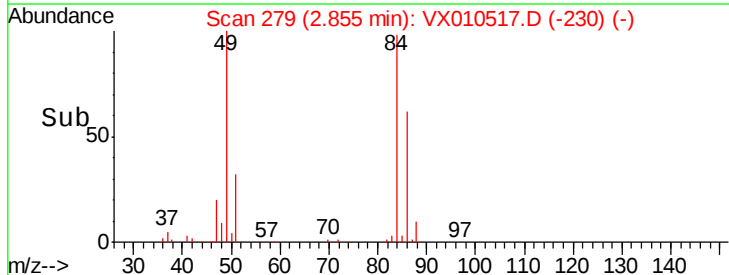
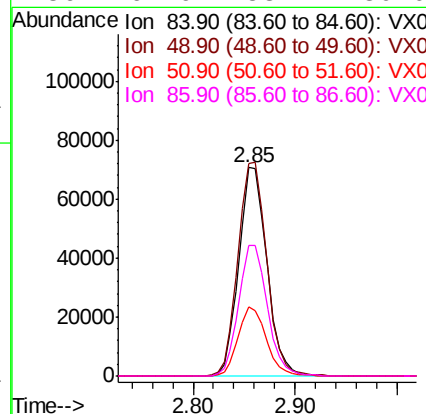
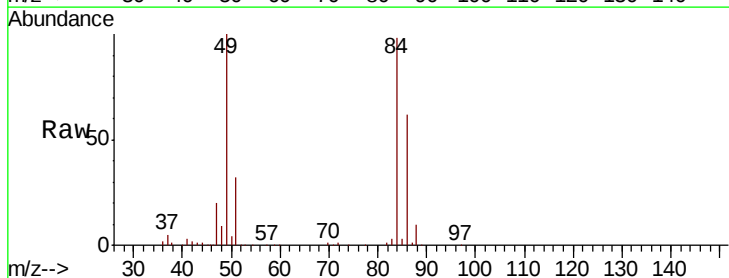
Instrument :
MSVOA_X
ClientSampled :

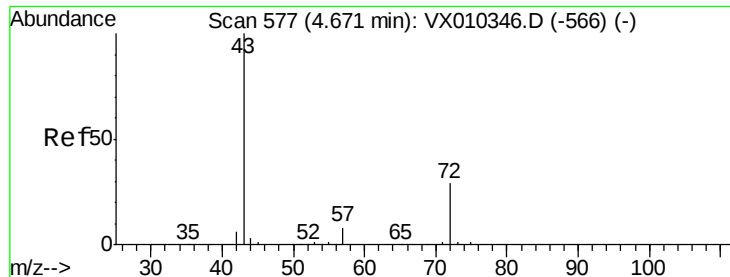
Tot Ion: 43 Resp: 2865
Ion Ratio Lower Upper
43 100
74 28.4 21.3 31.9



#20
Methylene Chloride
Concen: 53.541 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

Tgt Ion: 84 Resp: 134470
Ion Ratio Lower Upper
84 100
49 102.2 87.5 131.3
51 32.8 27.7 41.5
86 62.9 53.4 80.0

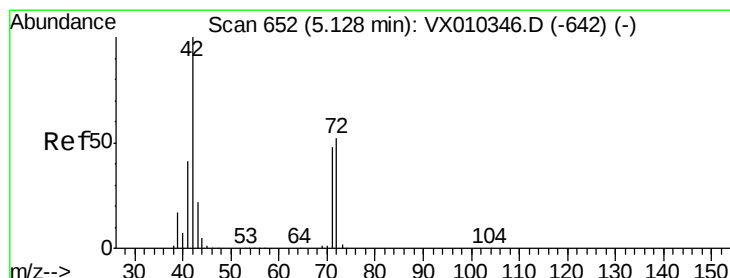
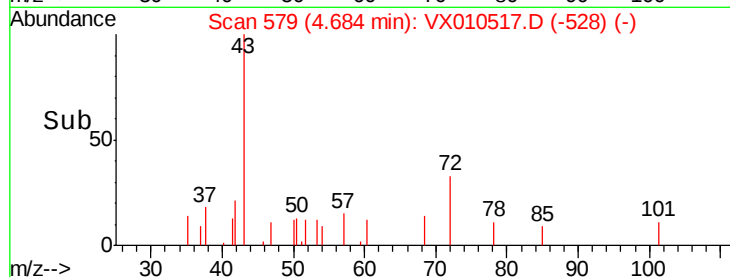
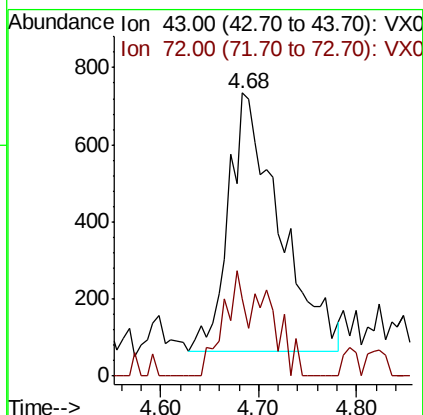
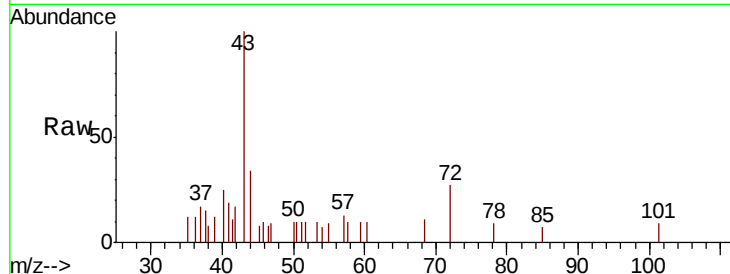




#25
2-Butanone
Concen: 1.343 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

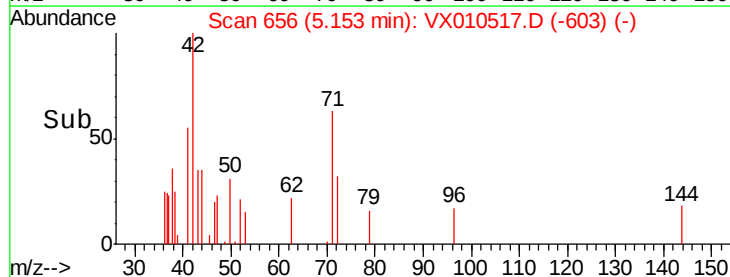
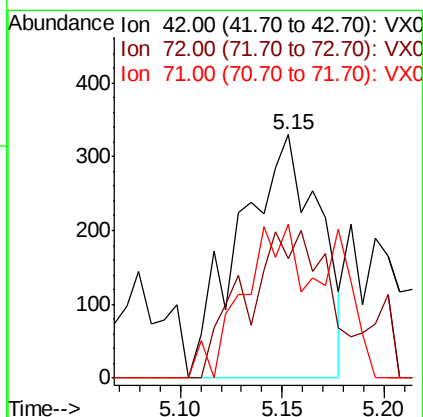
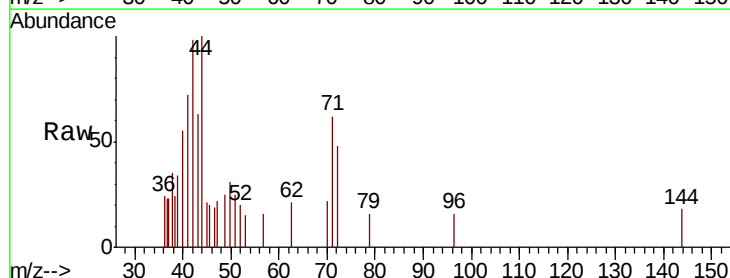
Instrument :
MSVOA_X
ClientSampled :

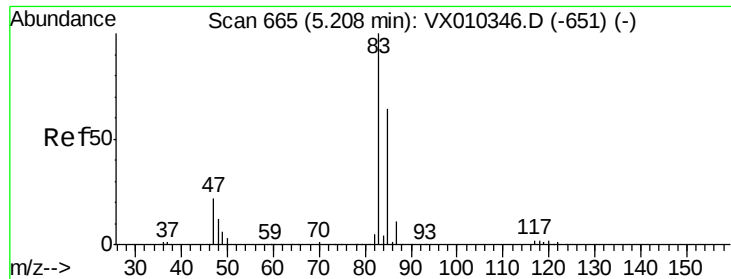
Tot Ion: 43 Resp: 2404
Ion Ratio Lower Upper
43 100
72 29.8 23.3 34.9



#29
Tetrahydrofuran
Concen: 0.804 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.02 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

Tgt Ion: 42 Resp: 892
Ion Ratio Lower Upper
42 100
72 62.3 40.6 60.8#
71 54.1 37.8 56.8

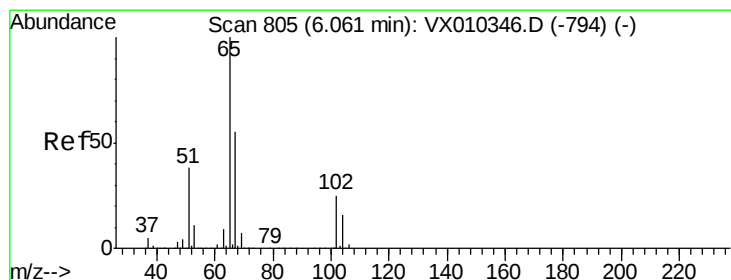
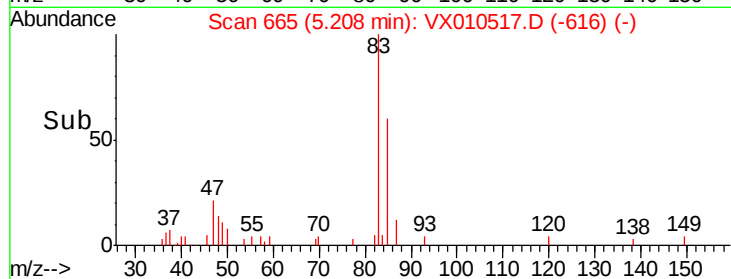
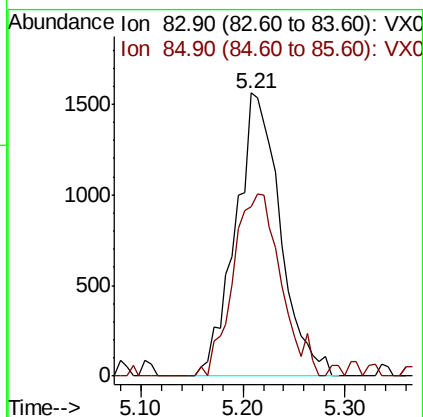
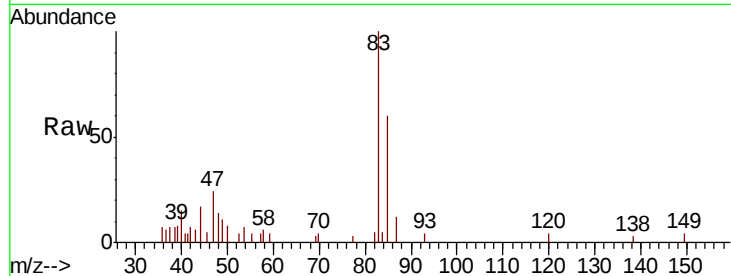




#30
Chloroform
Concen: 1.146 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

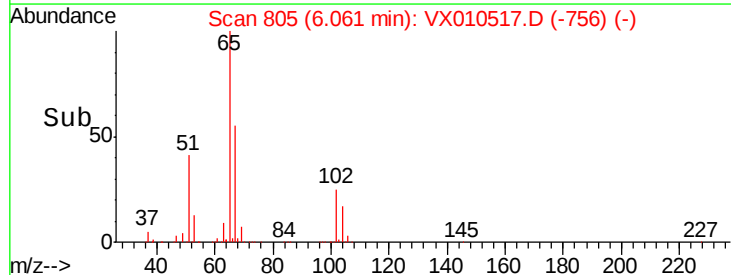
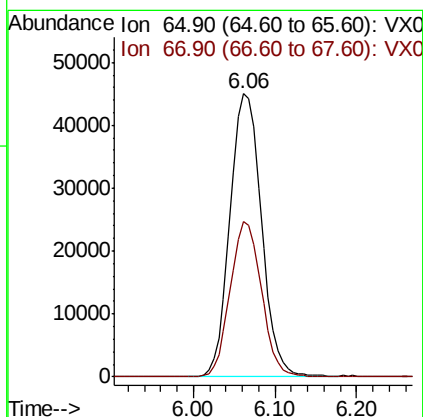
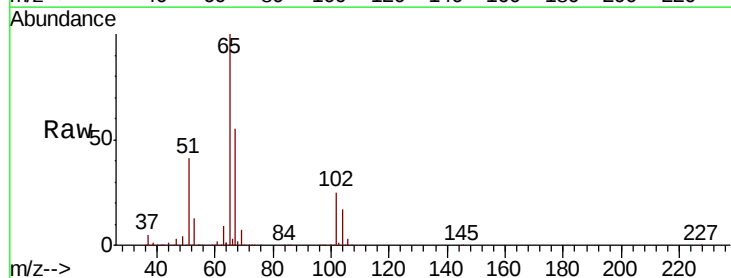
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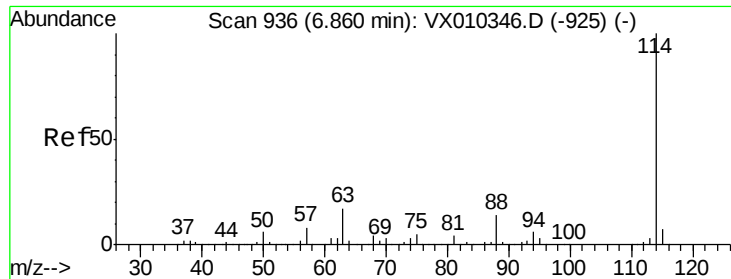
Tot Ion: 83 Resp: 4764
Ion Ratio Lower Upper
83 100
85 59.7 50.9 76.3



#33
1,2-Dichloroethane-d4
Concen: 49.499 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

Tgt Ion: 65 Resp: 120537
Ion Ratio Lower Upper
65 100
67 54.4 0.0 110.2

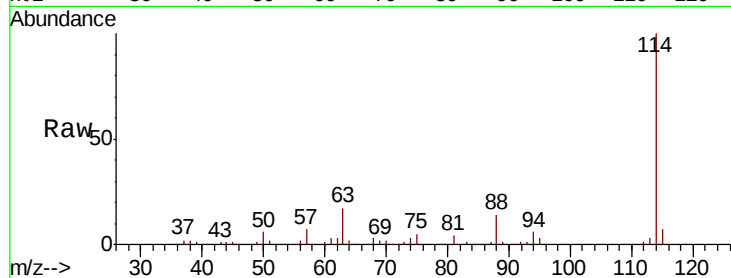




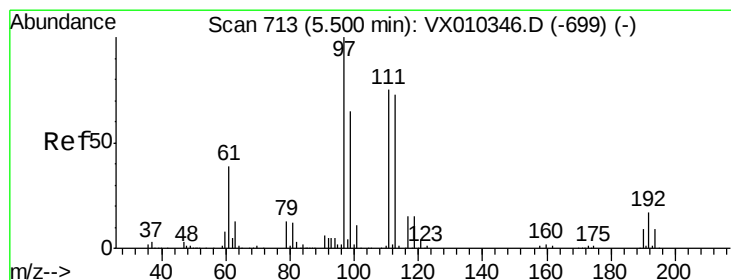
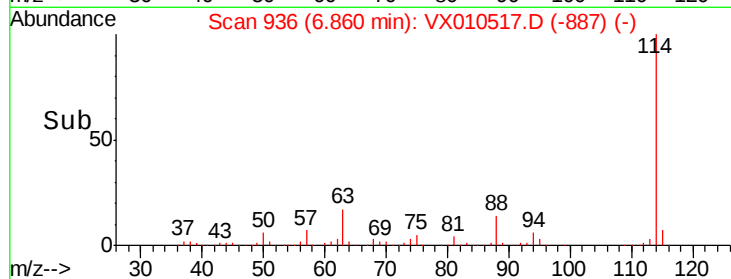
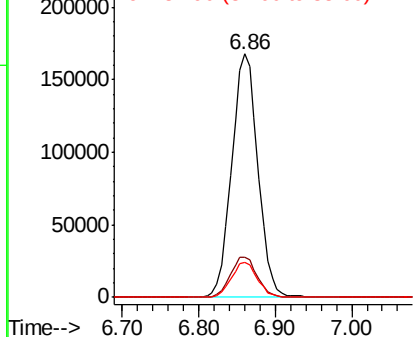
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 396504
Ion Ratio Lower Upper
114 100
63 16.6 0.0 33.8
88 14.3 0.0 27.6

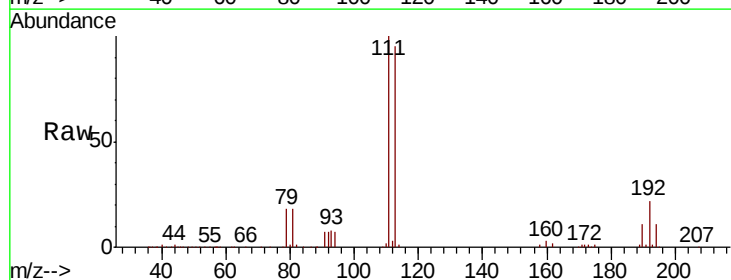


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

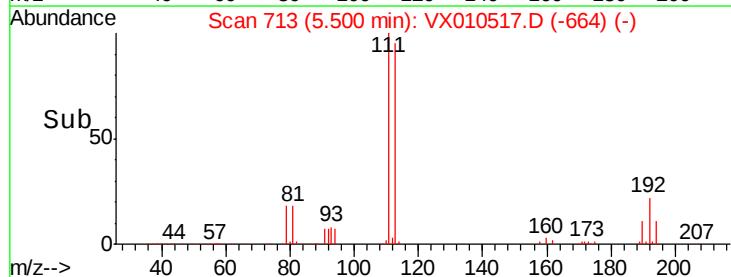
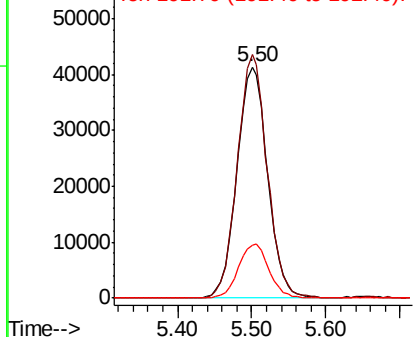


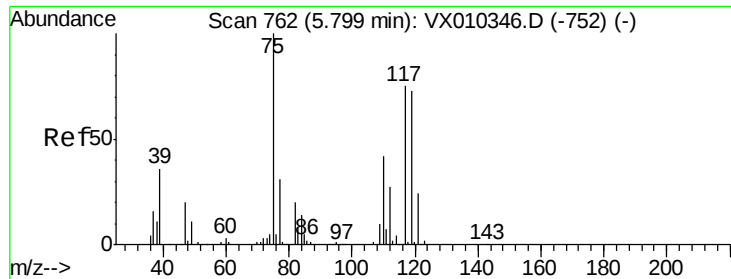
#35
Dibromofluoromethane
Concen: 49.337 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

Tgt Ion:113 Resp: 119689
Ion Ratio Lower Upper
113 100
111 102.5 81.2 121.8
192 23.3 18.6 27.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

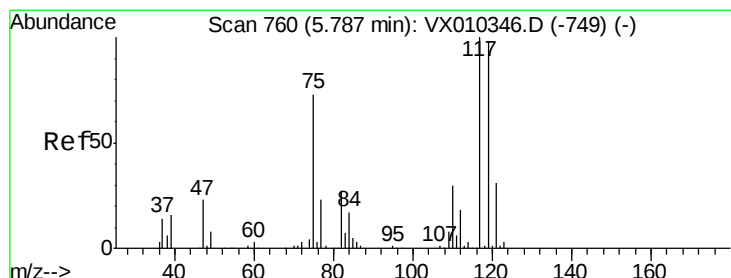
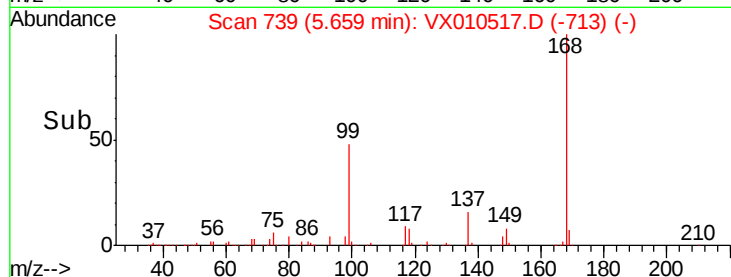
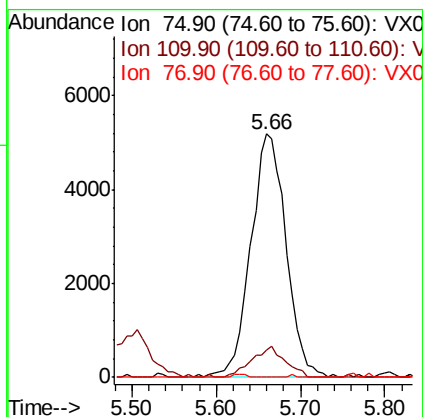
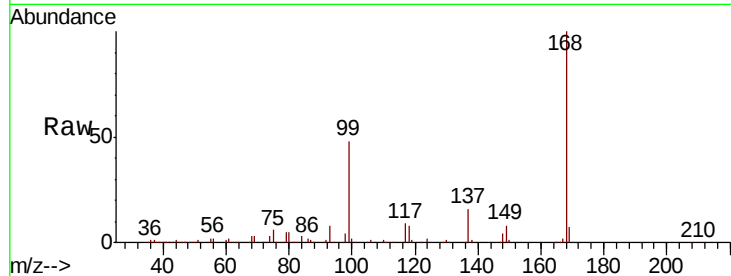




#36
 1,1-Dichloropropene
 Concen: 4.700 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010517.D
 Acq: 28 Jun 2019 04:10

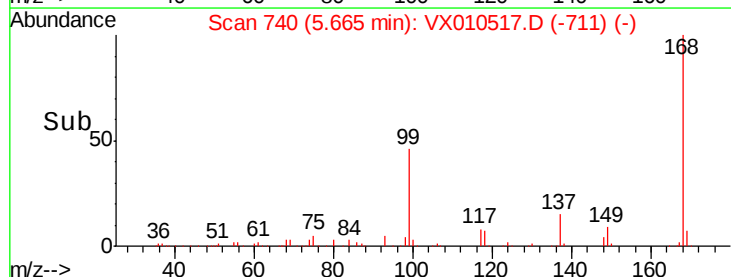
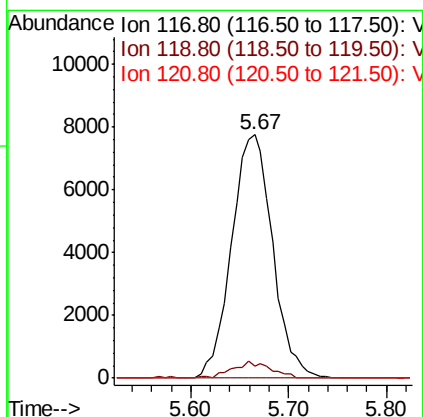
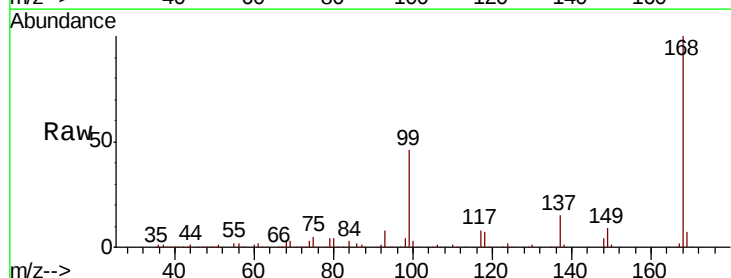
Instrument :
 MSVOA_X
 ClientSampleId :

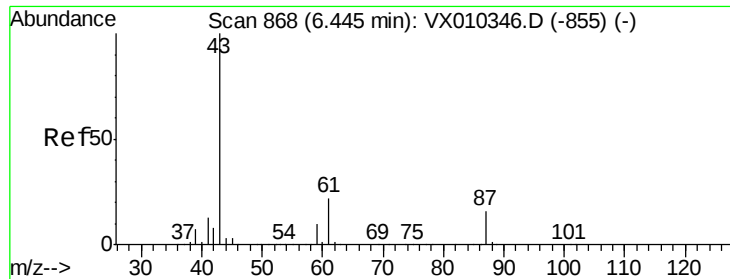
Tot Ion: 75 Resp: 14810
 Ion Ratio Lower Upper
 75 100
 110 12.0 20.8 62.2#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.589 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010517.D
 Acq: 28 Jun 2019 04:10

Tgt Ion: 117 Resp: 22480
 Ion Ratio Lower Upper
 117 100
 119 4.7 78.2 117.4#
 121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 1.922 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010517.D

Acq: 28 Jun 2019 04:10

Instrument :

MSVOA_X

ClientSampled :

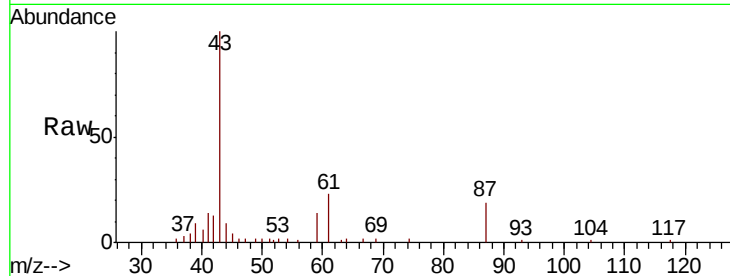
Tot Ion: 43 Resp: 10307

Ion Ratio Lower Upper

43 100

61 24.0 17.8 26.6

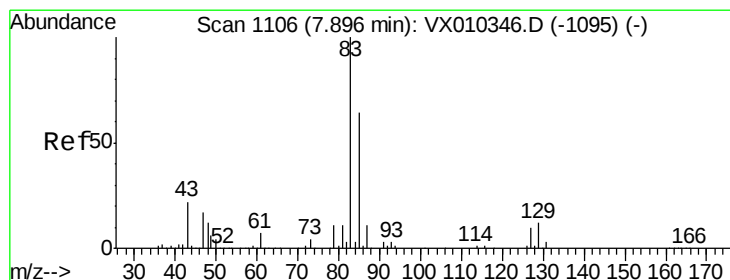
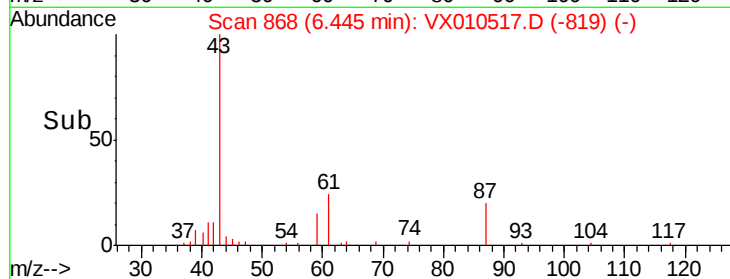
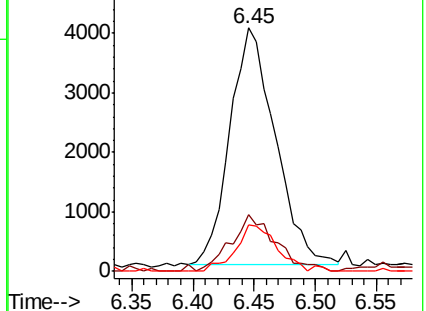
87 17.4 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#47

Bromodichloromethane

Concen: 0.326 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010517.D

Acq: 28 Jun 2019 04:10

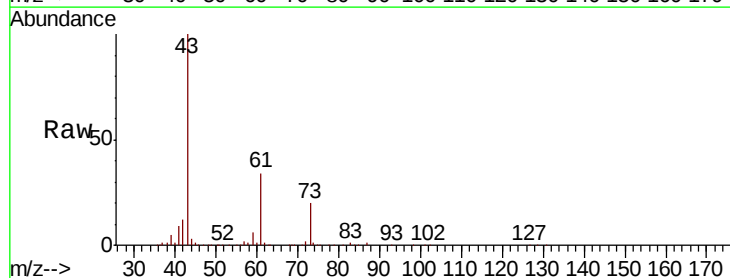
Tgt Ion: 83 Resp: 1064

Ion Ratio Lower Upper

83 100

85 56.8 51.5 77.3

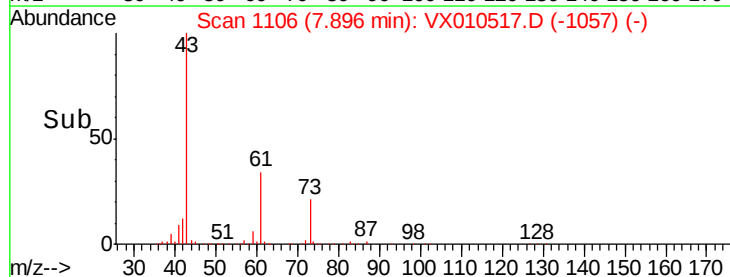
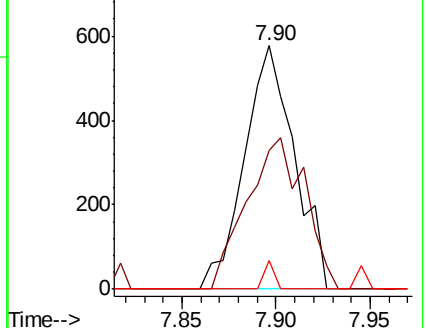
127 11.6 7.8 11.8

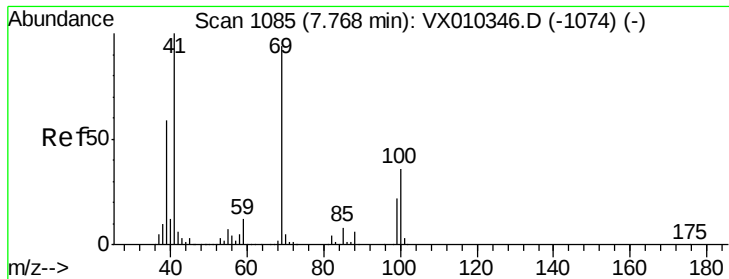


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

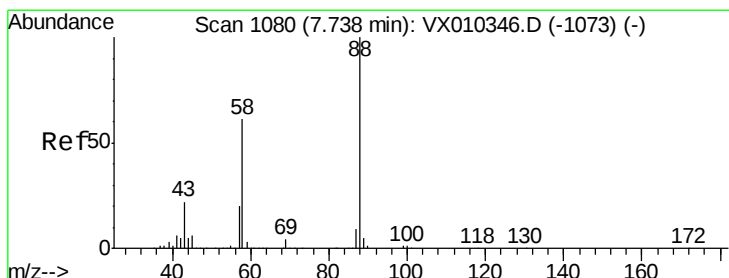
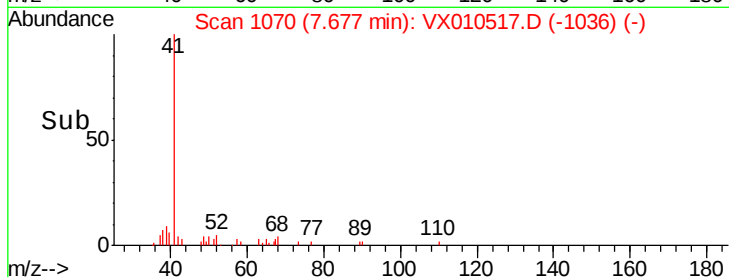
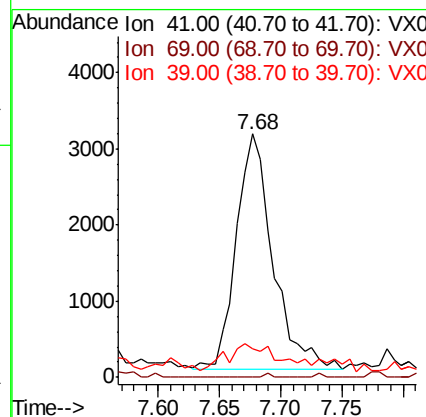
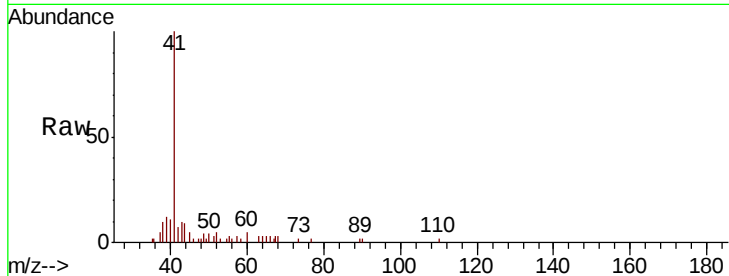




#48
Methvl methacrylate
Concen: 2.555 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

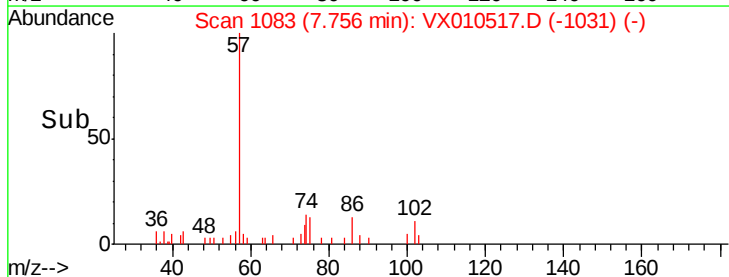
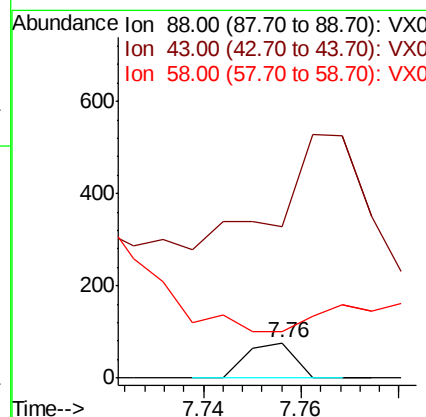
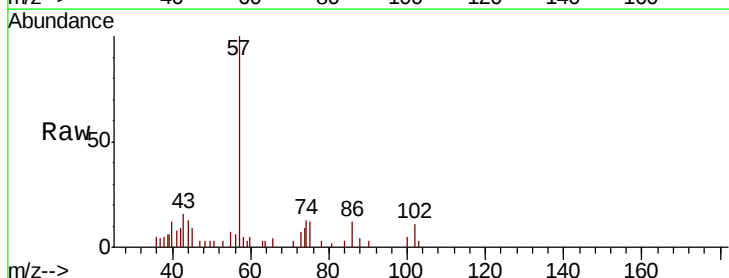
Instrument :
MSVOA_X
ClientSampleId :

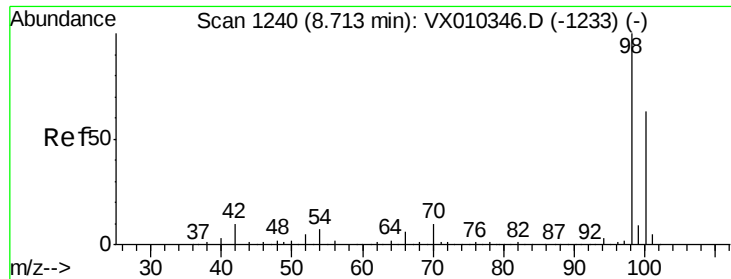
Tot Ion: 41 Resp: 6368
Ion Ratio Lower Upper
41 100
69 0.3 76.1 114.1#
39 0.0 47.6 71.4#



#49
1,4-Dioxane
Concen: 0.724 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 0.0 49.5 74.3#

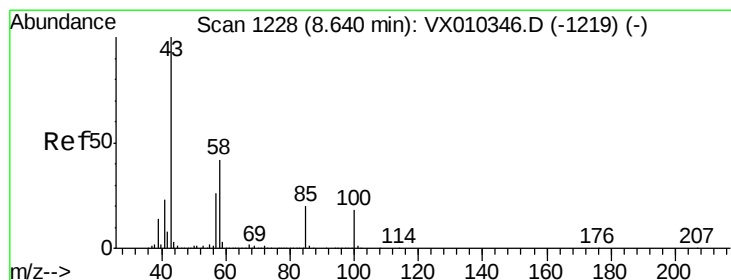
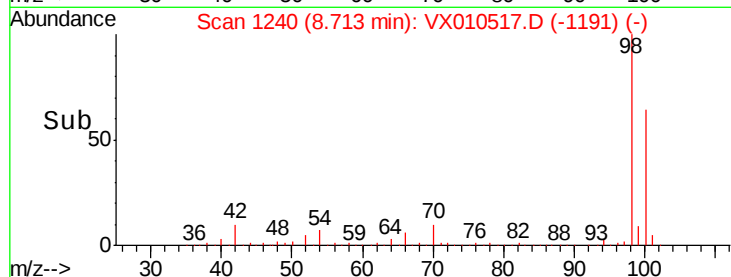
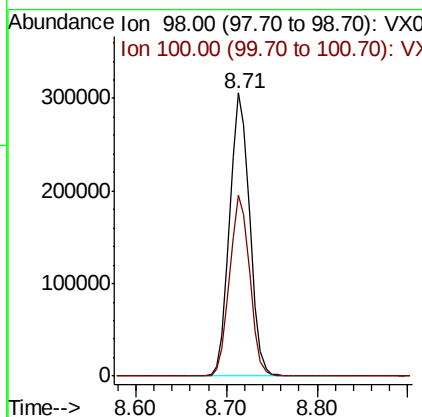
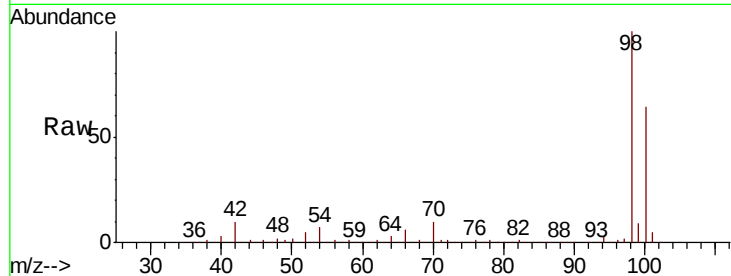




#50
Toluene-d8
Concen: 50.551 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

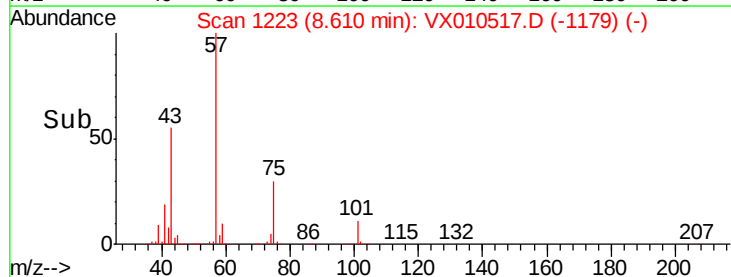
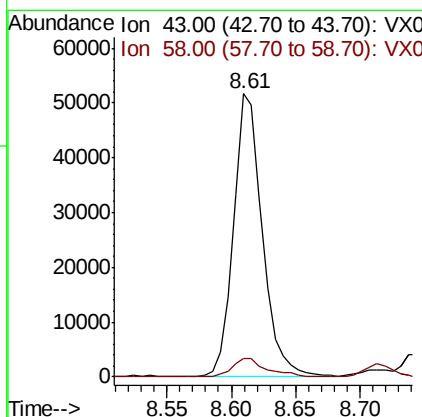
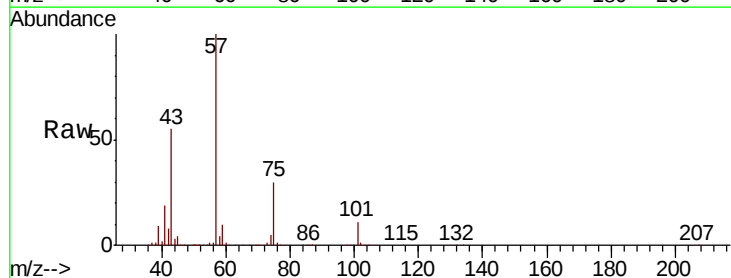
Instrument :
MSVOA_X
ClientSampleId :

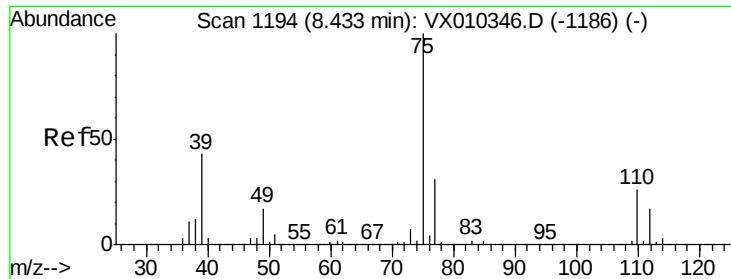
Tot Ion: 98 Resp: 469177
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 23.199 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

Tgt Ion: 43 Resp: 79570
Ion Ratio Lower Upper
43 100
58 8.1 33.5 50.3#



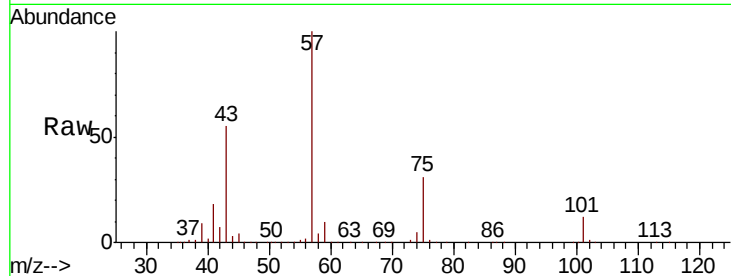


#54

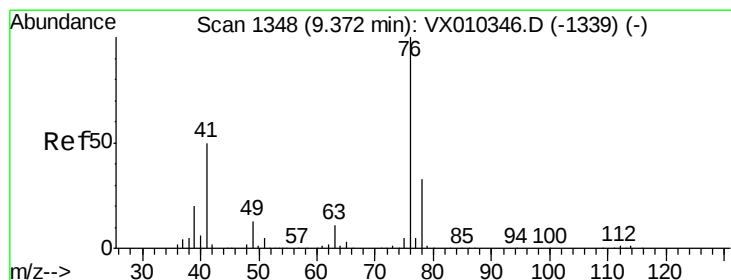
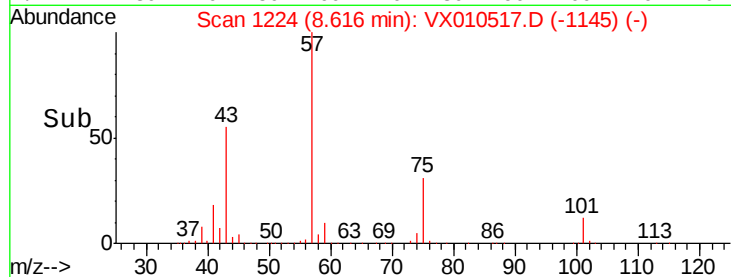
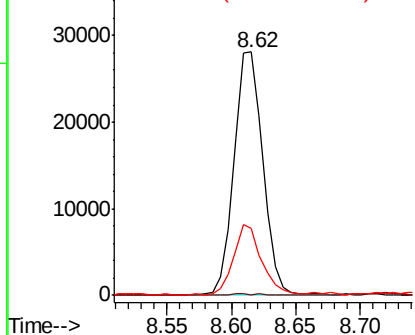
cis-1,3-Dichloropropene
 Concen: 11.039 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX010517.D
 Acq: 28 Jun 2019 04:10

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 43837
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.2 37.8#
 39 27.1 34.5 51.7#



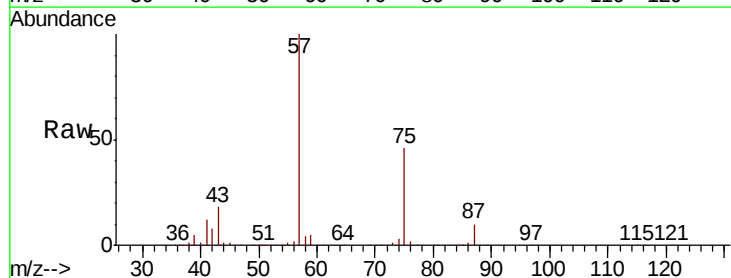
Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0



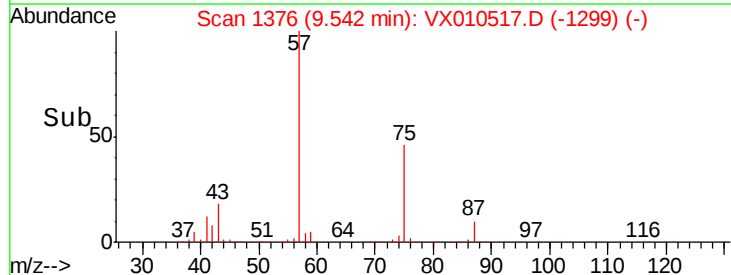
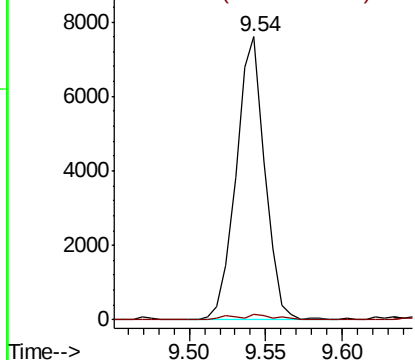
#57

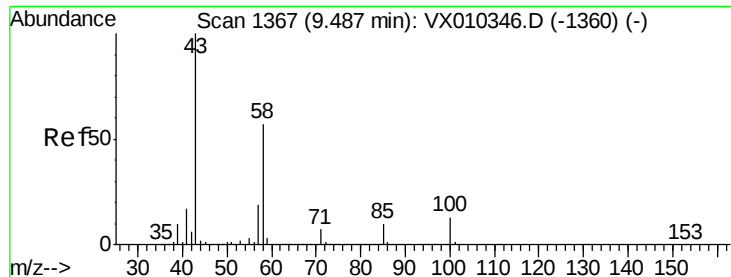
1,3-Dichloropropane
 Concen: 2.376 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.17 min
 Lab File: VX010517.D
 Acq: 28 Jun 2019 04:10

Tgt Ion: 76 Resp: 9834
 Ion Ratio Lower Upper
 76 100
 78 2.8 26.1 39.1#



Abundance Ion 75.90 (75.60 to 76.60): VX0
 Ion 77.90 (77.60 to 78.60): VX0

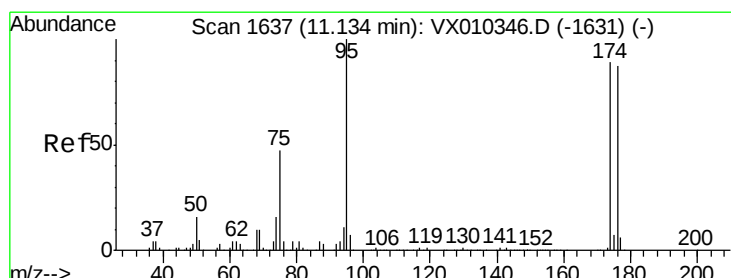
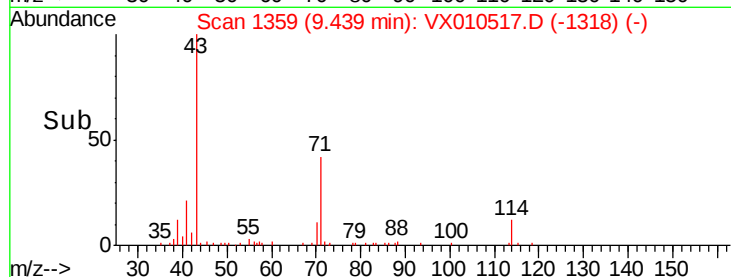
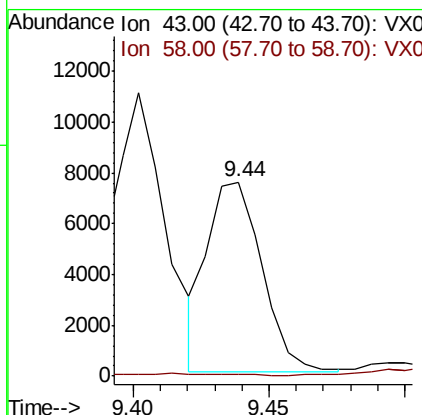
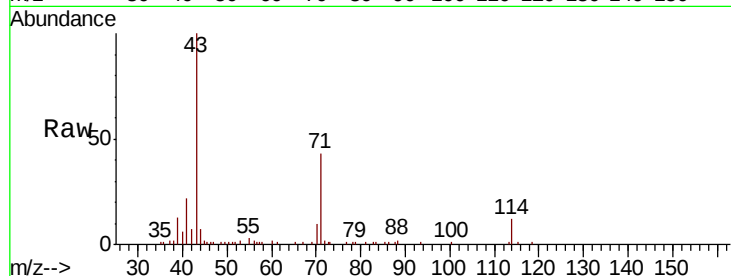




#59
2-Hexanone
Concen: 3.861 ug/l
RT: 9.44 min Scan# 1359
Delta R.T. -0.05 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

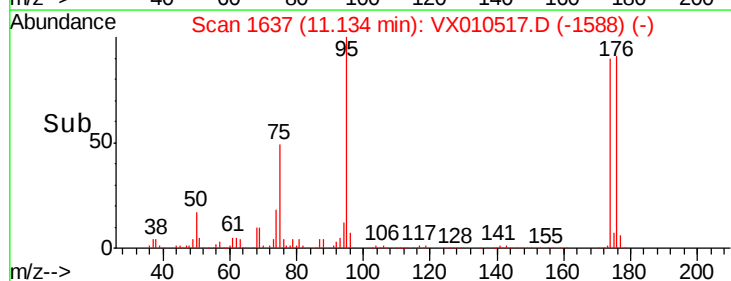
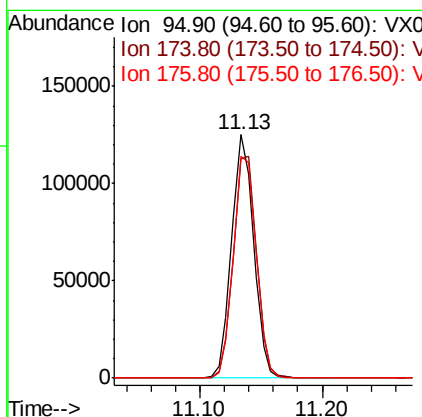
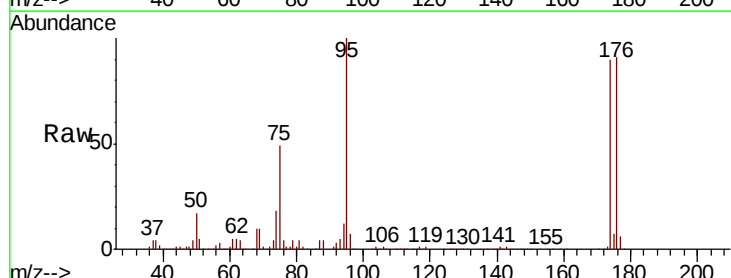
Instrument :
MSVOA_X
ClientSampleId :

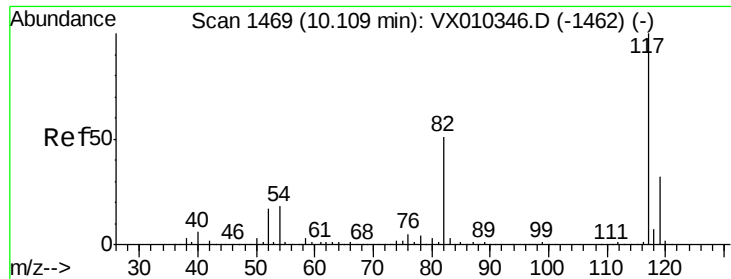
Tot Ion: 43 Resp: 10424
Ion Ratio Lower Upper
43 100
58 0.0 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 46.332 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

Tgt Ion: 95 Resp: 155250
Ion Ratio Lower Upper
95 100
174 96.2 0.0 187.6
176 95.2 0.0 184.0

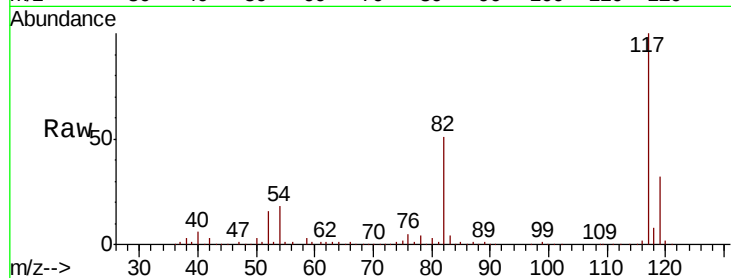




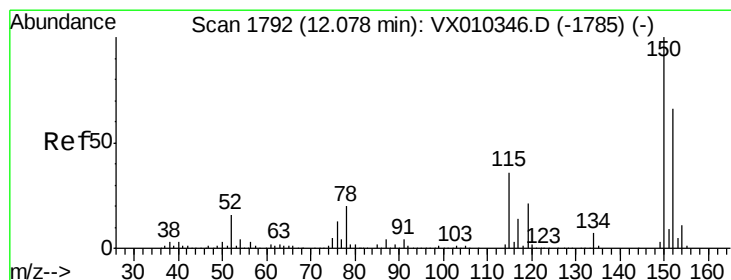
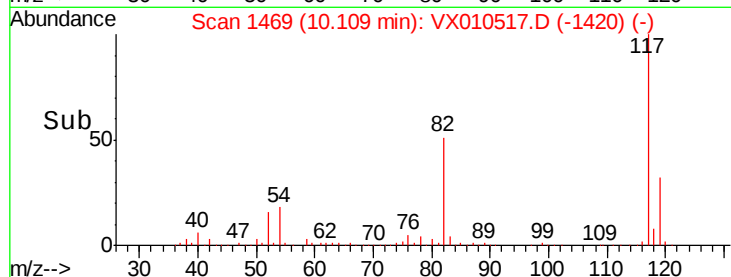
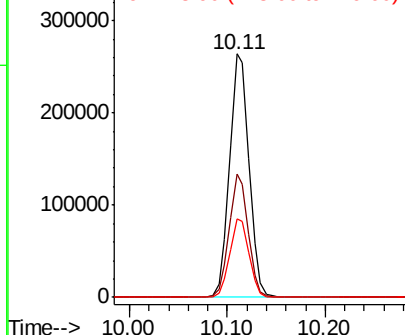
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 363588
Ion Ratio Lower Upper
117 100
82 50.7 41.2 61.8
119 32.2 25.5 38.3

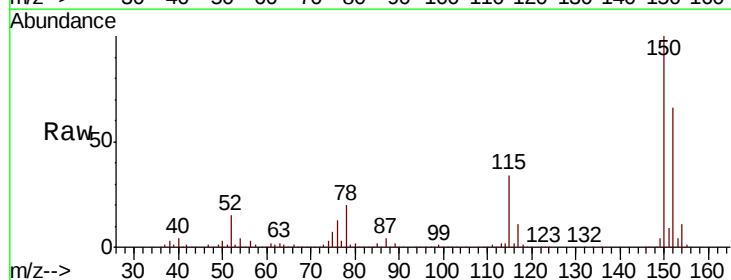


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

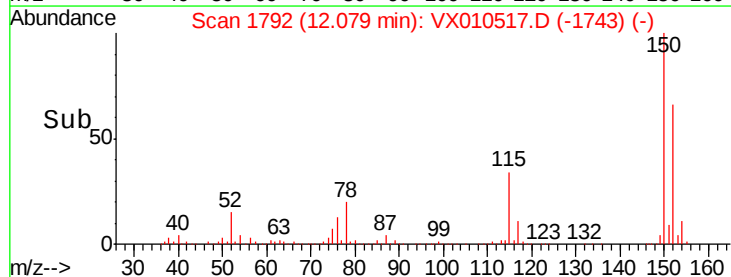
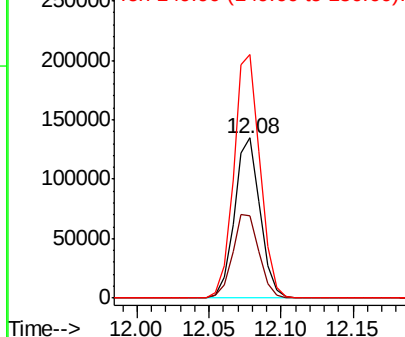


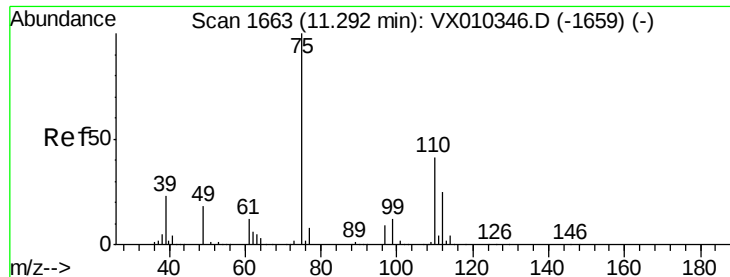
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

Tgt Ion:152 Resp: 166713
Ion Ratio Lower Upper
152 100
115 54.6 38.6 115.7
150 156.3 0.0 347.4



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

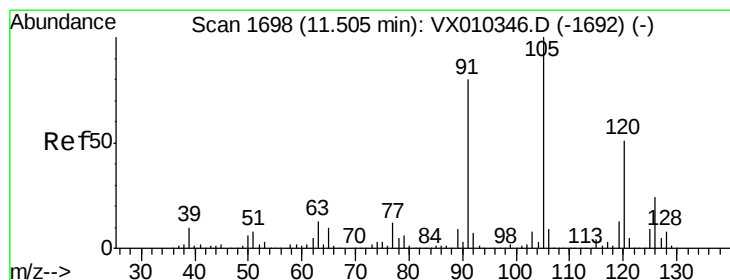
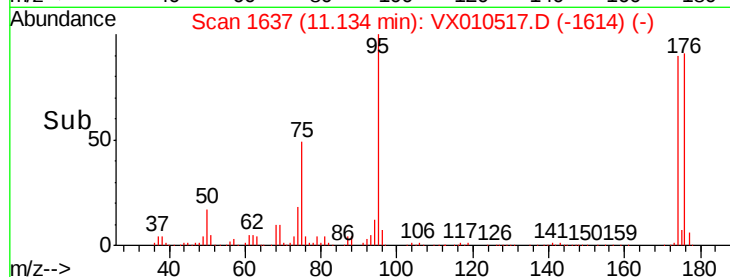
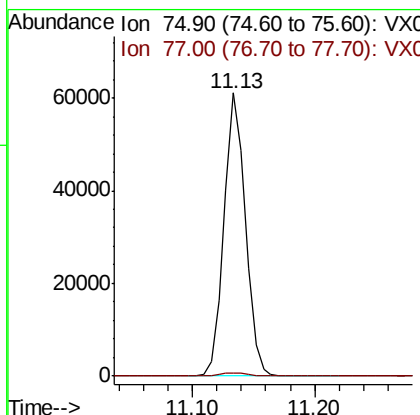
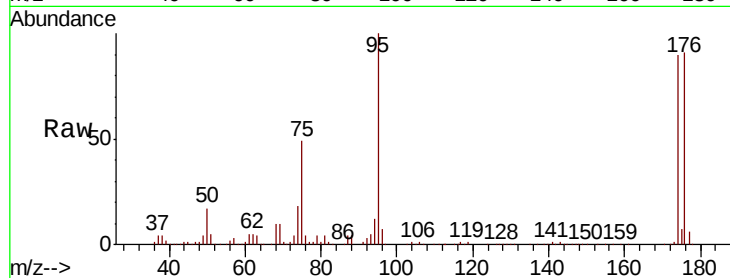




#76
 1,2,3-Trichloropropane
 Concen: 24.418 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010517.D
 Acq: 28 Jun 2019 04:10

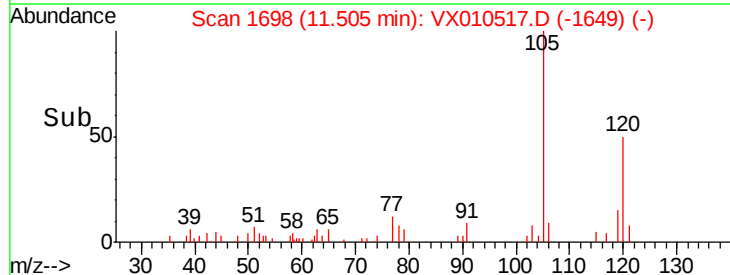
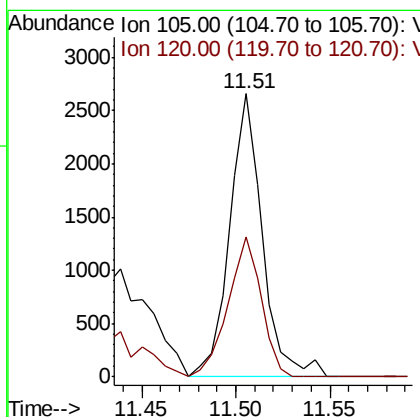
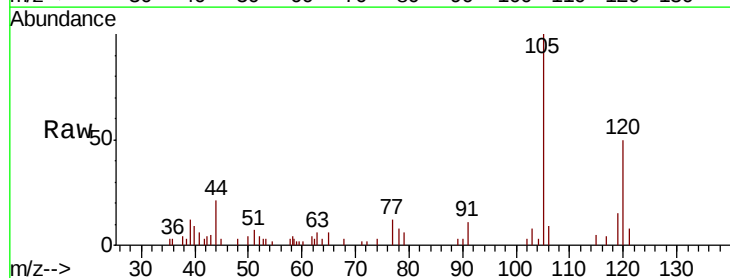
Instrument :
 MSVOA_X
 ClientSampleId :

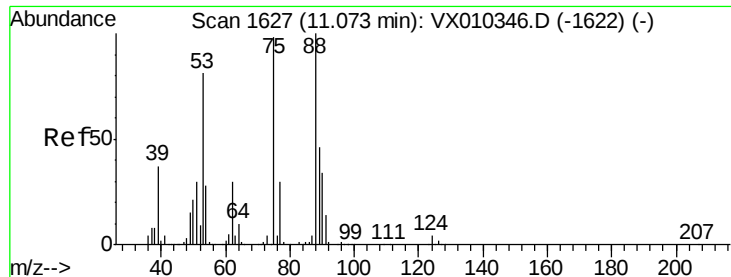
Tot Ion: 75 Resp: 74180
 Ion Ratio Lower Upper
 75 100
 77 1.6 22.6 67.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.344 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010517.D
 Acq: 28 Jun 2019 04:10

Tgt Ion: 105 Resp: 3202
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 56.964 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010517.D

Acq: 28 Jun 2019 04:10

Instrument :

MSVOA_X

ClientSampleId :

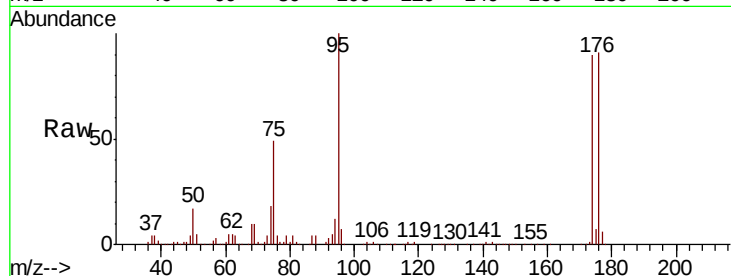
Tot Ion: 75 Resp: 74180

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

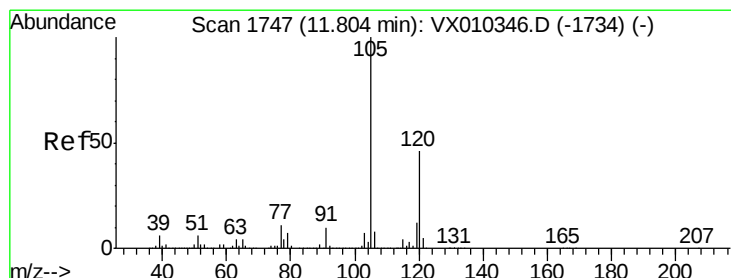
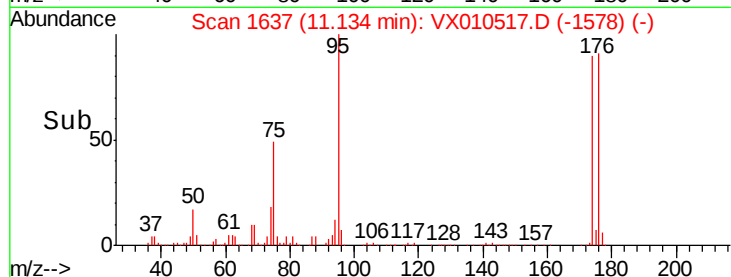
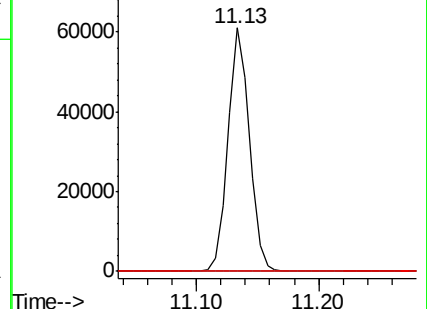
89 0.0 37.8 56.6#



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: 0.297 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010517.D

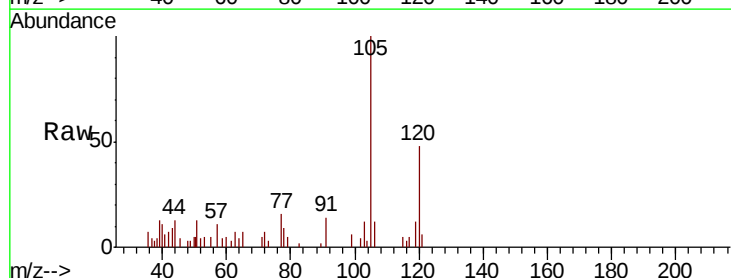
Acq: 28 Jun 2019 04:10

Tgt Ion: 105 Resp: 2777

Ion Ratio Lower Upper

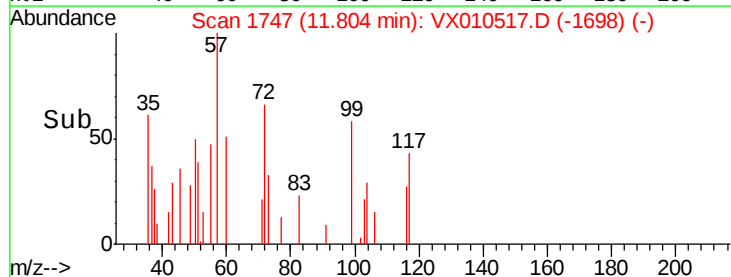
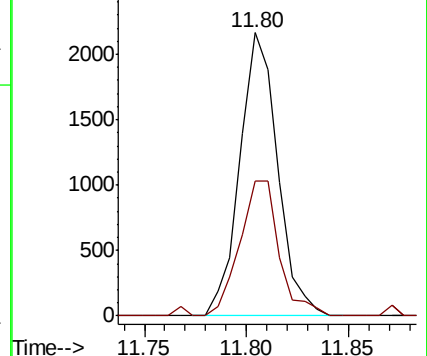
105 100

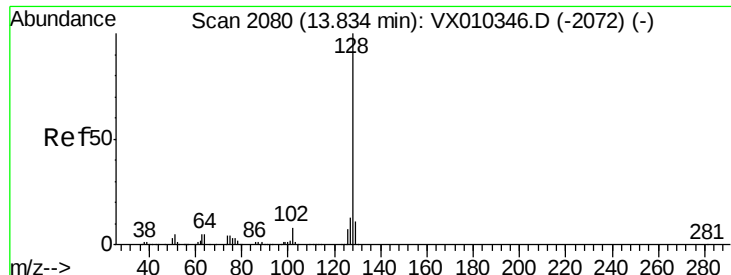
120 49.9 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 0.572 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX010517.D
Acq: 28 Jun 2019 04:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.4
129	12.4	8.9	13.3

