

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010516.D
 Acq On : 28 Jun 2019 03:47
 Operator : JC/SP
 Sample : K3157-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 06:56:51 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	259619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	395141	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	365414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170085	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	120553	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	5.50	113	118696	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	8.71	98	475574	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	11.13	95	157264	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	

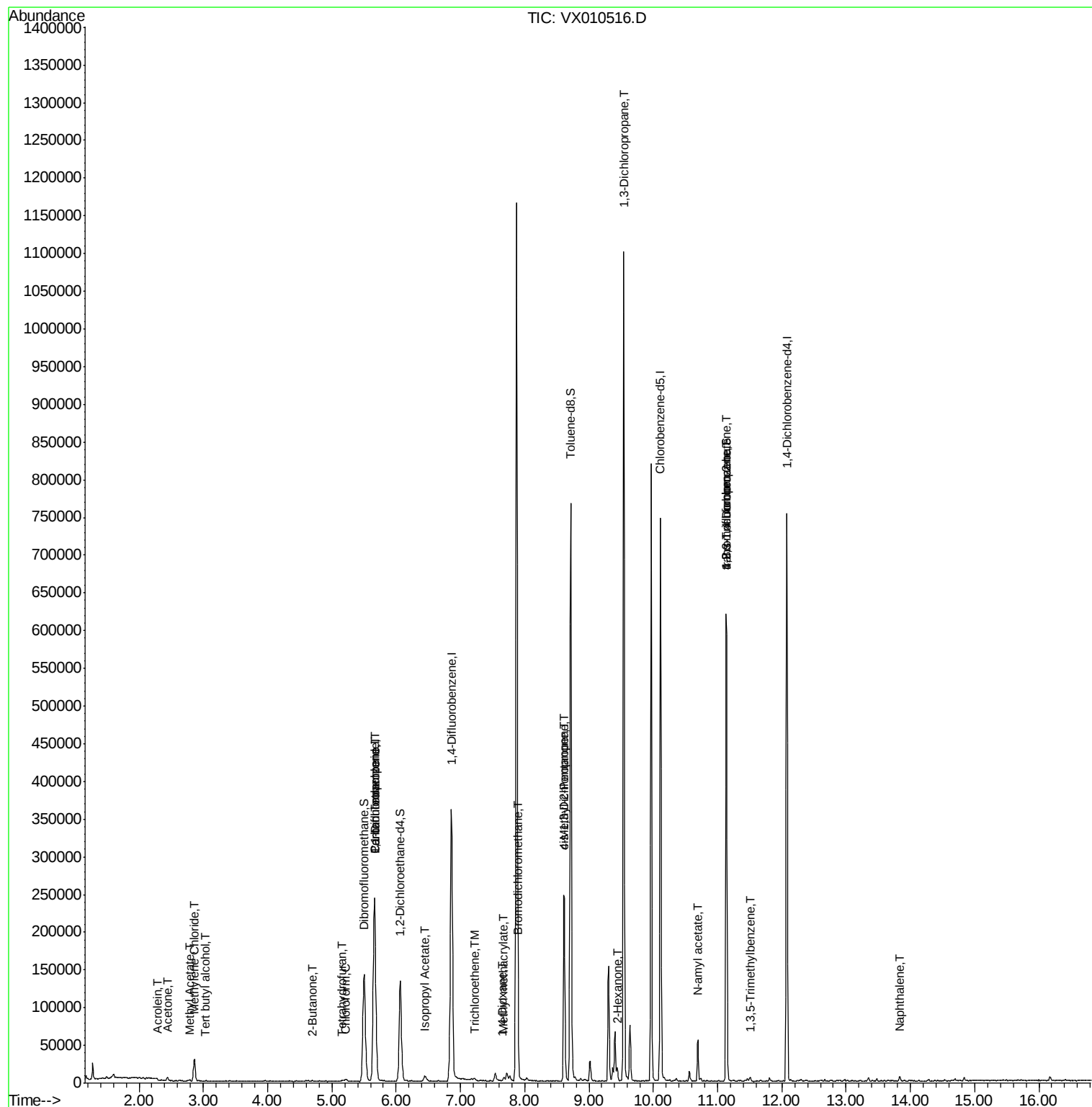
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	541	0.849	ug/l	100
13) Acrolein	2.28	56	344	0.814	ug/l	83
16) Acetone	2.44	43	5413	4.437	ug/l #	84
18) Methyl Acetate	2.78	43	2107	0.867	ug/l #	86
20) Methylene Chloride	2.86	84	14846	5.913	ug/l	98
25) 2-Butanone	4.69	43	2510	1.403	ug/l	94
29) Tetrahydrofuran	5.15	42	288	0.260	ug/l #	19
30) Chloroform	5.21	83	3421	0.823	ug/l	88
36) 1,1-Dichloropropene	5.67	75	15538	4.948	ug/l #	48
38) Carbon Tetrachloride	5.67	117	22901	6.735	ug/l #	15
43) Isopropyl Acetate	6.45	43	11122	2.081	ug/l	99
44) Trichloroethene	7.21	130	1149	0.393	ug/l	57
47) Bromodichloromethane	7.90	83	797	0.245	ug/l #	81
48) Methyl methacrylate	7.67	41	5997	2.414	ug/l #	10
49) 1,4-Dioxane	7.64	88	44	0.615	ug/l #	28
51) 4-Methyl-2-Pentanone	8.61	43	78616	23.000	ug/l #	47
54) cis-1,3-Dichloropropene	8.62	75	44143	11.154	ug/l #	59
57) 1,3-Dichloropropane	9.54	76	10181	2.469	ug/l #	42
59) 2-Hexanone	9.44	43	10017	3.724	ug/l #	22
74) N-amyl acetate	10.69	43	12771	2.931	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	75966	24.510	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.50	105	2096	0.221	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.13	75	75966	57.179	ug/l #	16
95) Naphthalene	13.83	128	3861	0.324	ug/l #	90

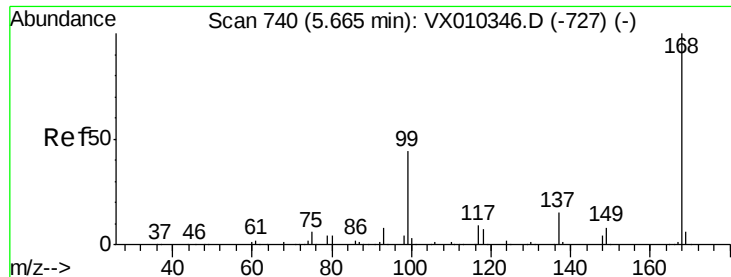
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062719\
Data File : VX010516.D
Acq On : 28 Jun 2019 03:47
Operator : JC/SP
Sample : K3157-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 28 06:56:51 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: VX010516.D

Acq: 28 Jun 2019 03:47

Instrument :

MSVOA_X

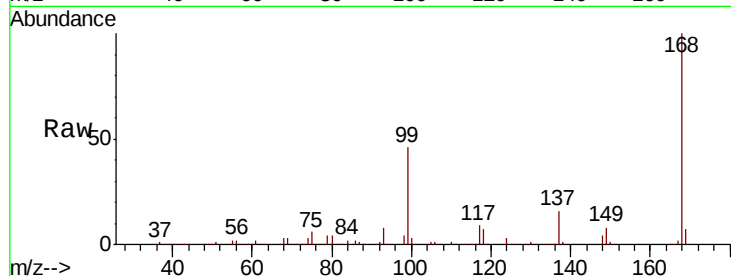
ClientSampleId :

Tot Ion:168 Resp: 259619

Ion Ratio Lower Upper

168 100

99 45.7 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

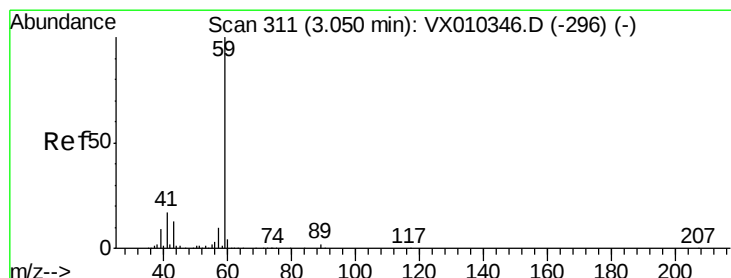
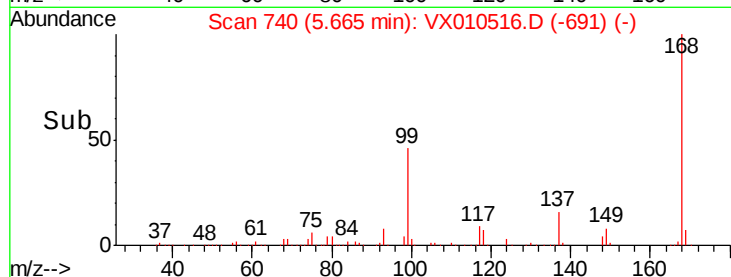
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 0.849 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX010516.D

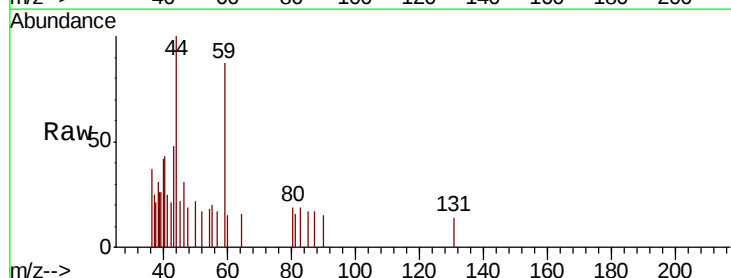
Acq: 28 Jun 2019 03:47

Tgt Ion: 59 Resp: 541

Ion Ratio Lower Upper

59 100

57 9.4 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.04

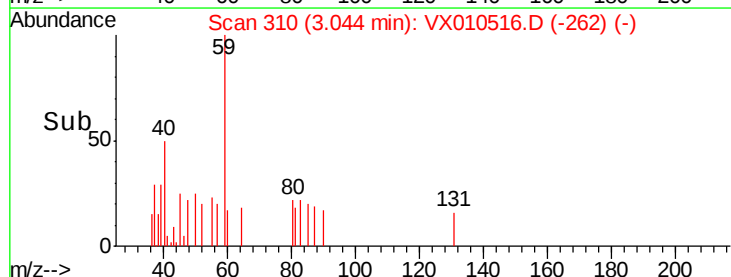
300

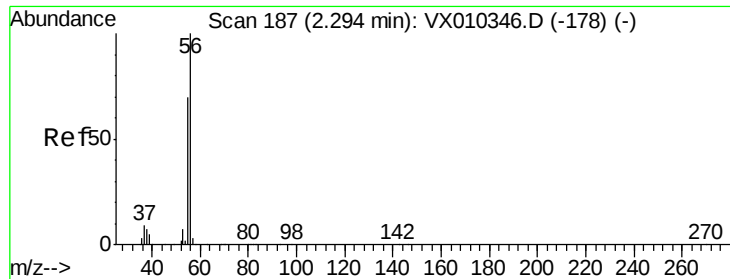
200

100

0

Time--> 3.00 3.05





#13

Acrolein

Concen: 0.814 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010516.D

Acq: 28 Jun 2019 03:47

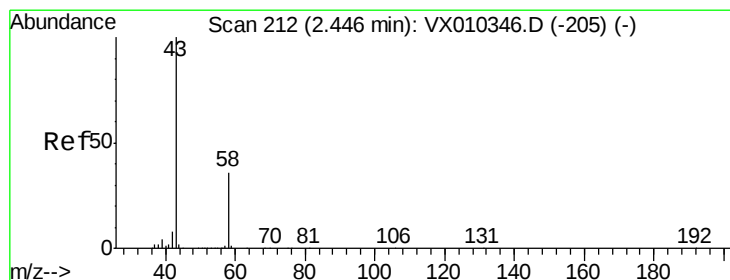
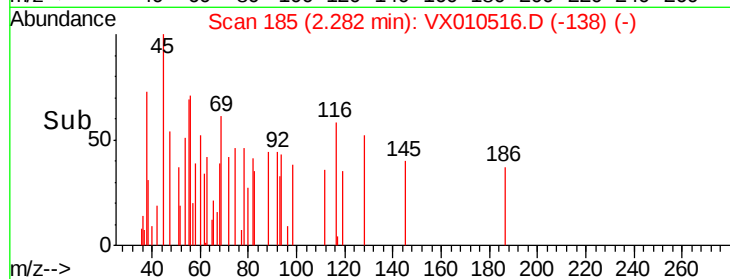
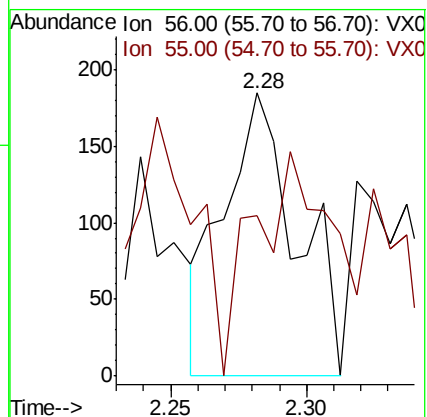
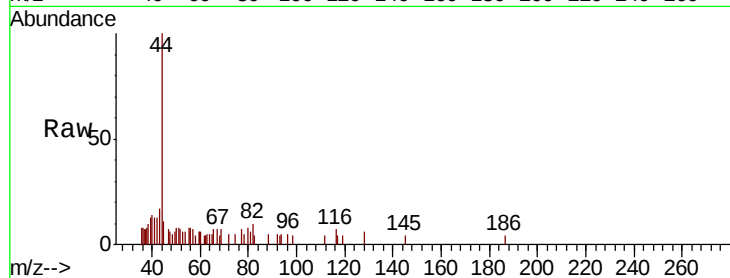
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 344

Ion Ratio Lower Upper

56 100

55 84.9 56.9 85.3



#16

Acetone

Concen: 4.437 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010516.D

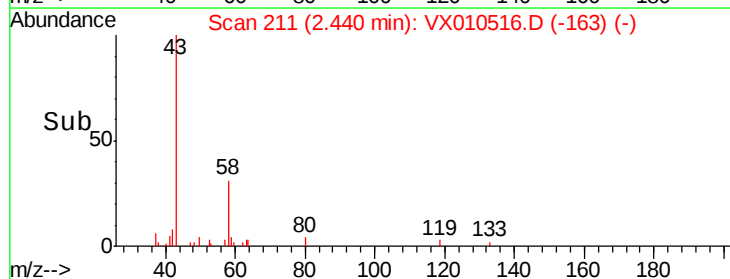
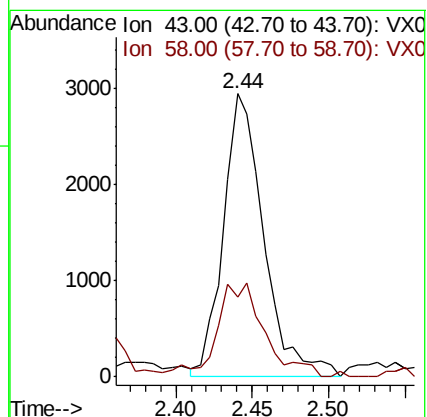
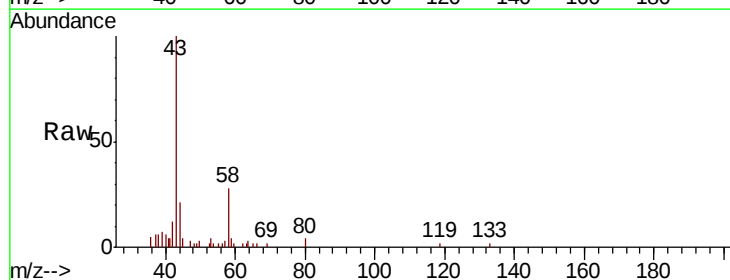
Acq: 28 Jun 2019 03:47

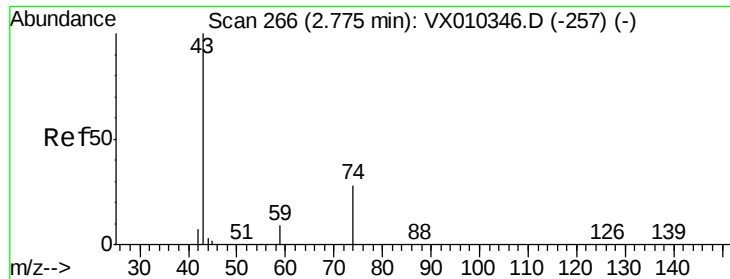
Tgt Ion: 43 Resp: 5413

Ion Ratio Lower Upper

43 100

58 26.4 28.9 43.3#

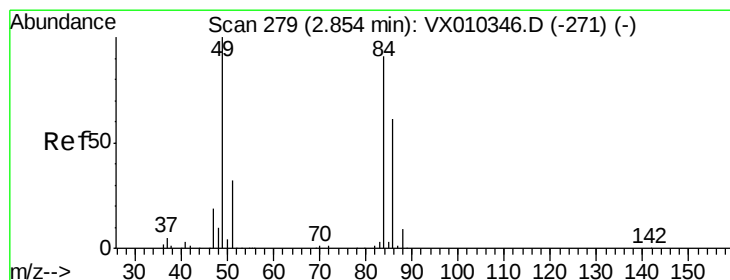
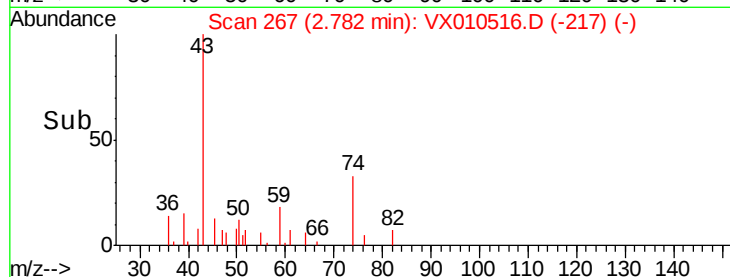
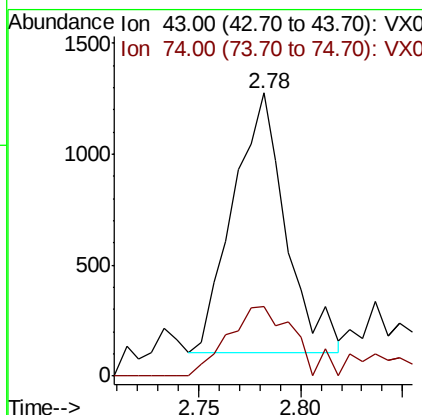
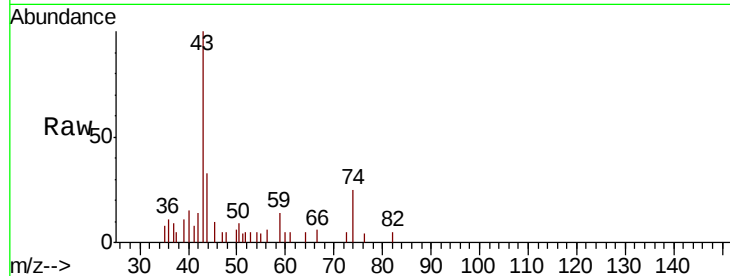




#18
Methyl Acetate
Concen: 0.867 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010516.D
Acq: 28 Jun 2019 03:47

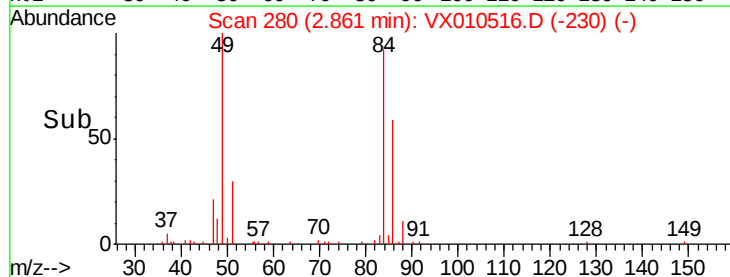
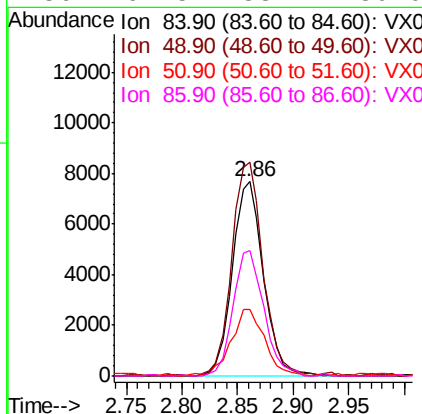
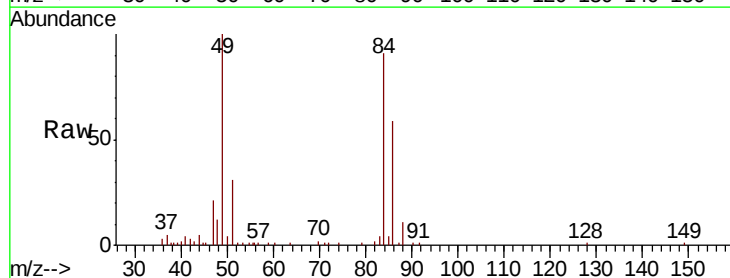
Instrument :
MSVOA_X
ClientSampled :

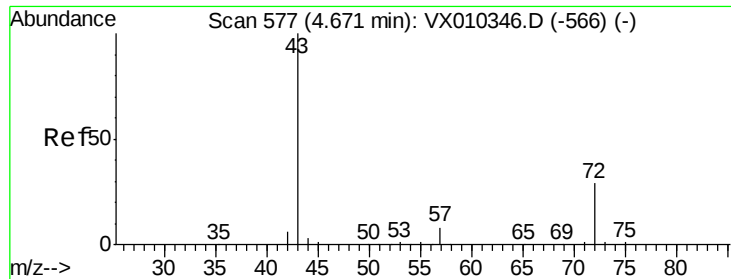
Tot Ion: 43 Resp: 2107
Ion Ratio Lower Upper
43 100
74 33.7 21.3 31.9#



#20
Methylene Chloride
Concen: 5.913 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010516.D
Acq: 28 Jun 2019 03:47

Tgt Ion: 84 Resp: 14846
Ion Ratio Lower Upper
84 100
49 109.9 87.5 131.3
51 33.0 27.7 41.5
86 64.5 53.4 80.0





#25

2-Butanone

Concen: 1.403 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX010516.D

Acq: 28 Jun 2019 03:47

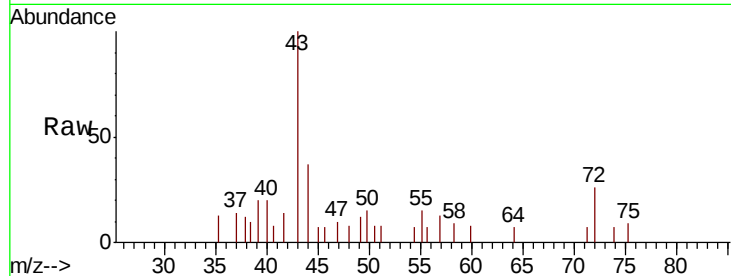
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 2510

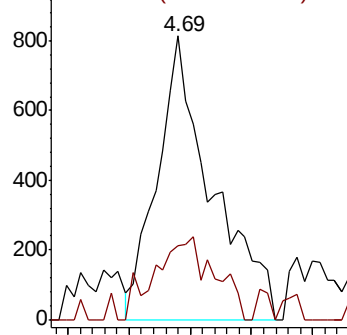
Ion Ratio Lower Upper

43 100

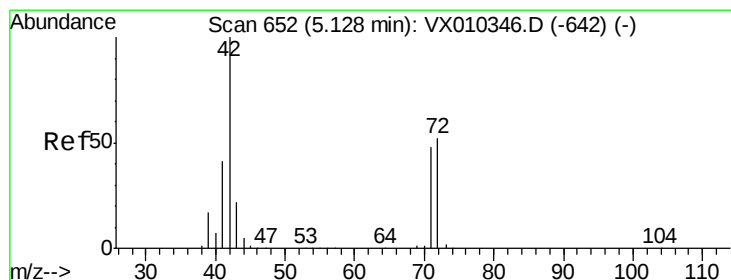
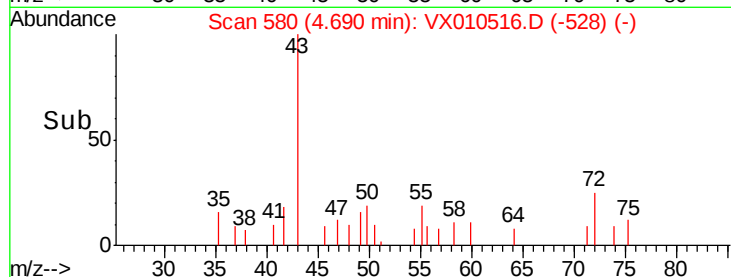
72 26.0 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.260 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX010516.D

Acq: 28 Jun 2019 03:47

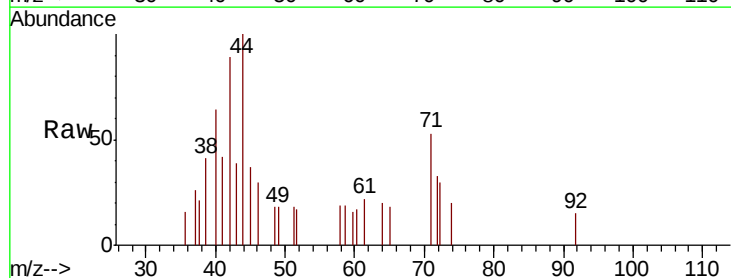
Tgt Ion: 42 Resp: 288

Ion Ratio Lower Upper

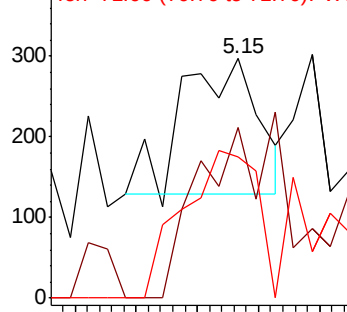
42 100

72 0.0 40.6 60.8#

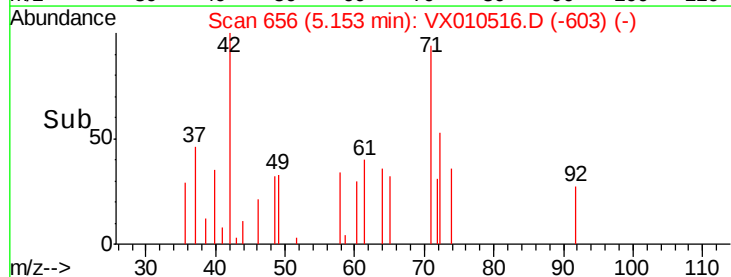
71 106.9 37.8 56.8#

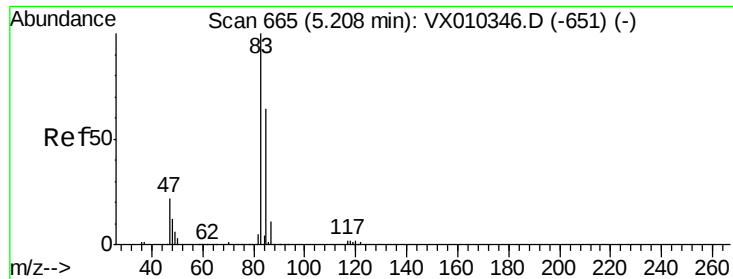


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



Time-->

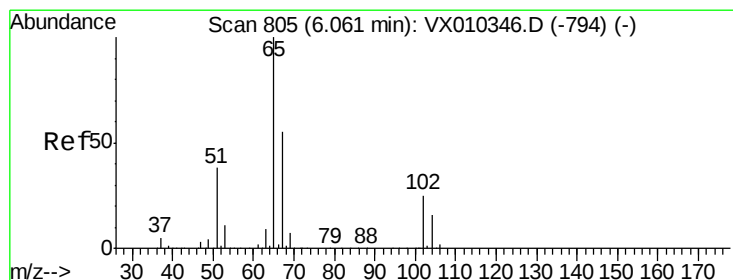
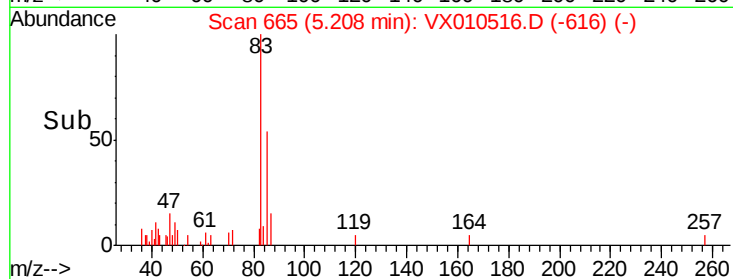
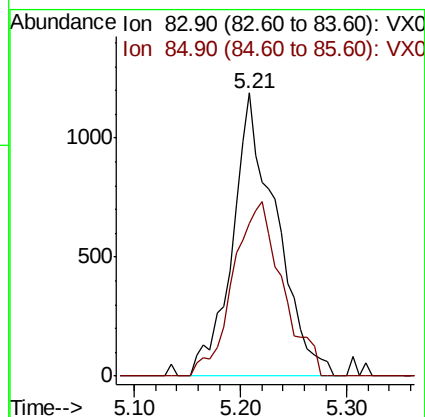
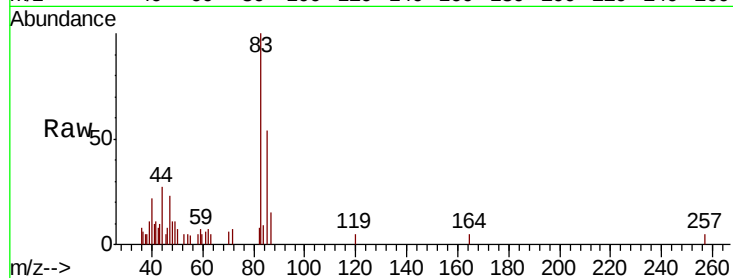




#30
Chloroform
Concen: 0.823 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010516.D
Acq: 28 Jun 2019 03:47

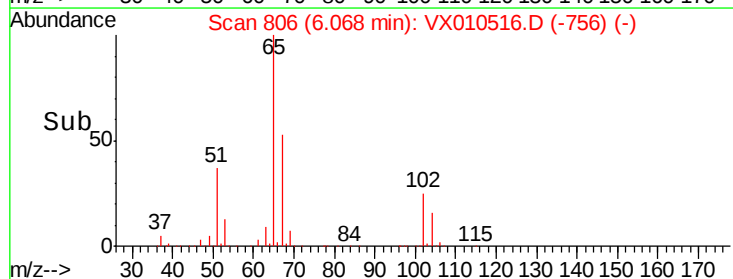
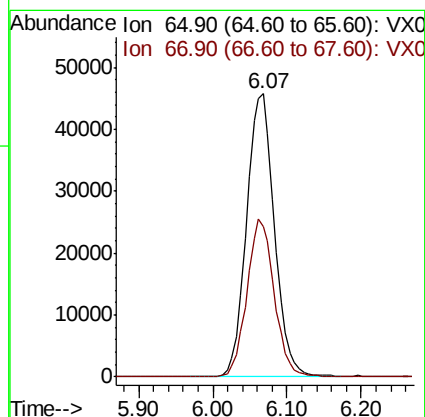
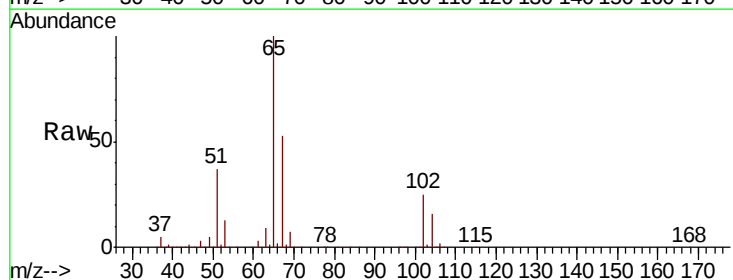
Instrument :
MSVOA_X
ClientSampled :

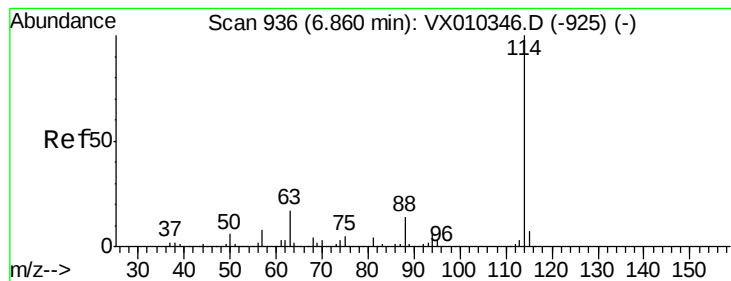
Tot Ion: 83 Resp: 3421
Ion Ratio Lower Upper
83 100
85 54.0 50.9 76.3



#33
1,2-Dichloroethane-d4
Concen: 49.525 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX010516.D
Acq: 28 Jun 2019 03:47

Tgt Ion: 65 Resp: 120553
Ion Ratio Lower Upper
65 100
67 54.6 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: VX010516.D

Acq: 28 Jun 2019 03:47

Instrument :

MSVOA_X

ClientSampleId :

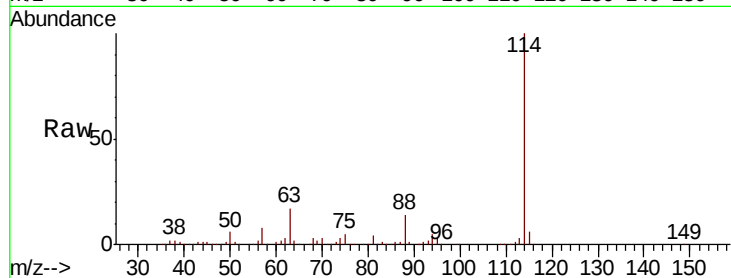
Tot Ion:114 Resp: 395141

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.8

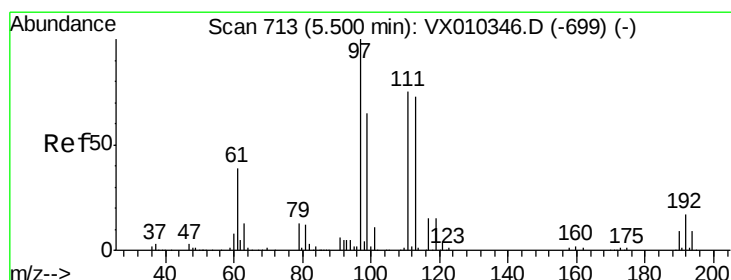
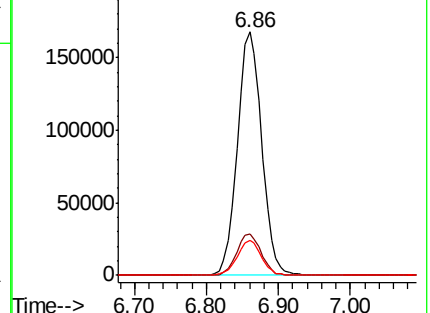
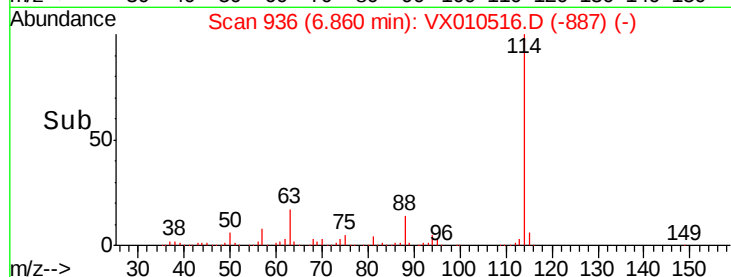
88 14.3 0.0 27.6



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: 49.096 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010516.D

Acq: 28 Jun 2019 03:47

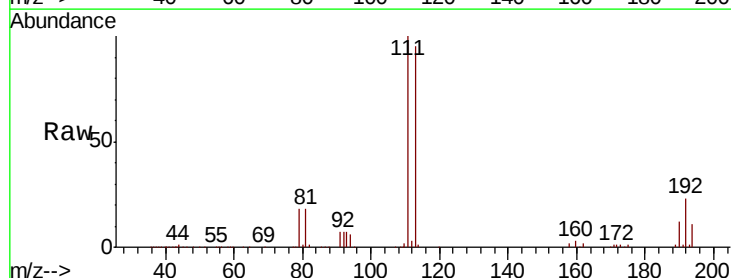
Tgt Ion:113 Resp: 118696

Ion Ratio Lower Upper

113 100

111 100.9 81.2 121.8

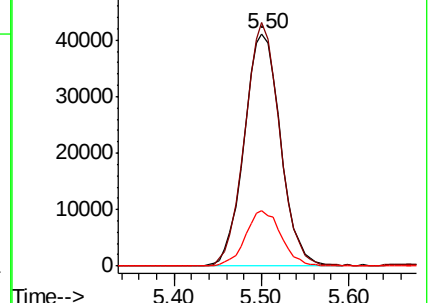
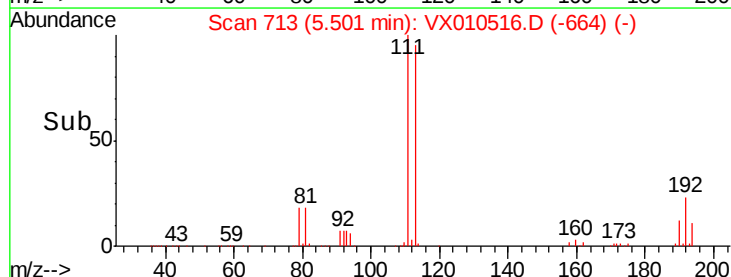
192 23.3 18.6 27.8

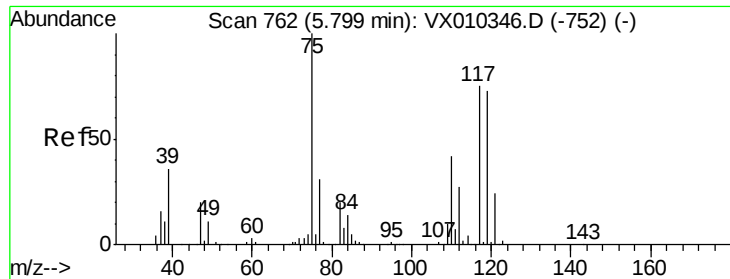


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

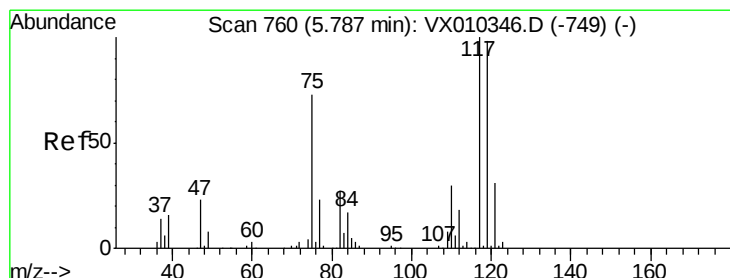
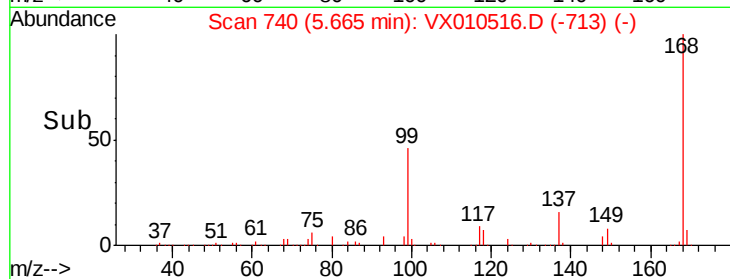
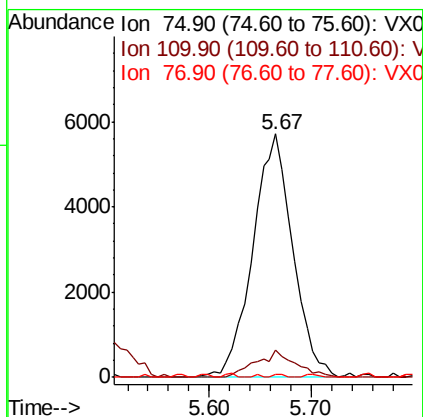
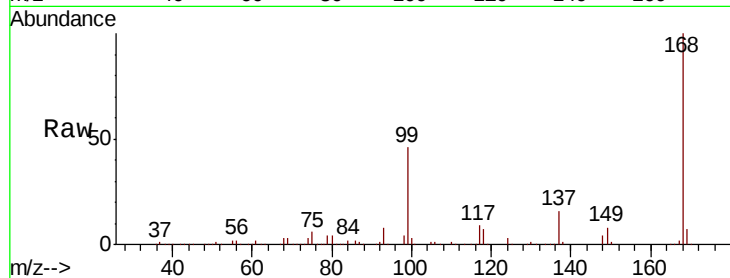




#36
 1,1-Dichloropropene
 Concen: 4.948 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010516.D
 Acq: 28 Jun 2019 03:47

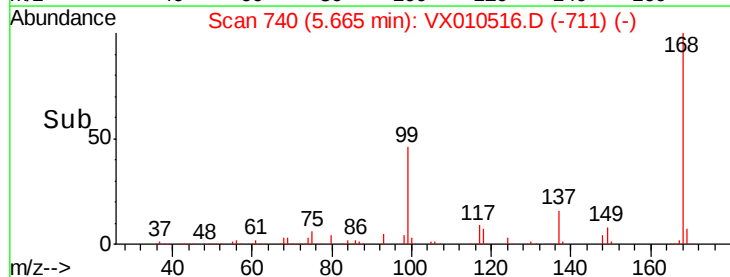
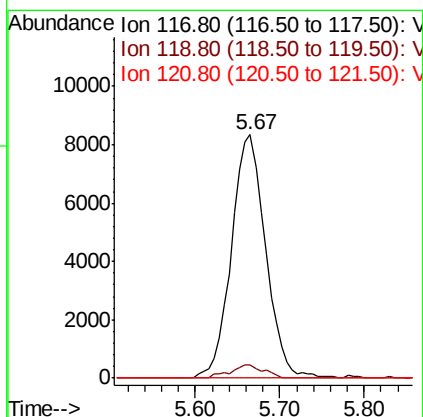
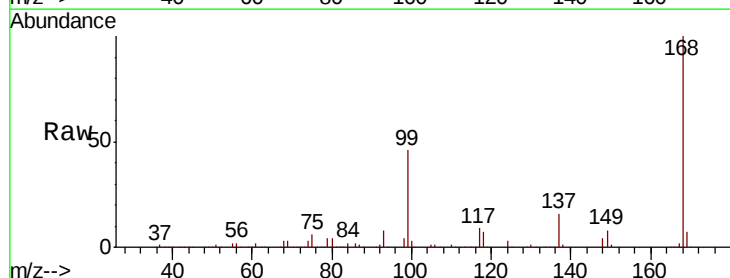
Instrument :
 MSVOA_X
 ClientSampleId :

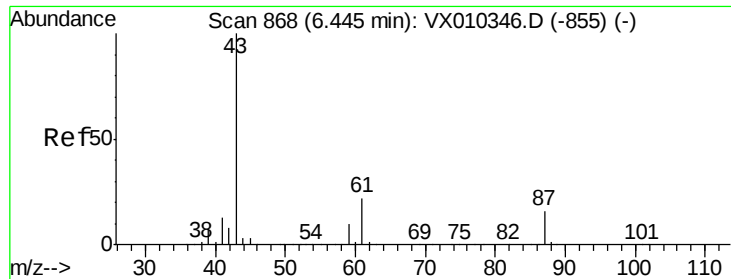
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.9	20.8	62.2#
77	0.3	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.735 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010516.D
 Acq: 28 Jun 2019 03:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	78.2	117.4#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 2.081 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010516.D

Acq: 28 Jun 2019 03:47

Instrument :

MSVOA_X

ClientSampled :

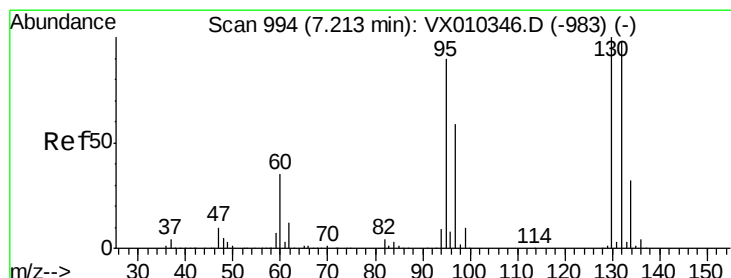
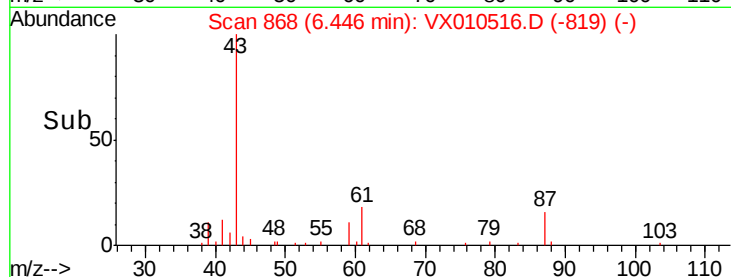
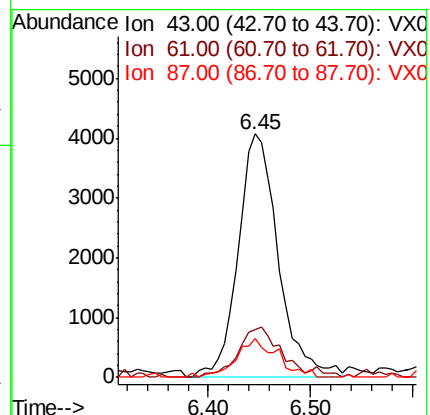
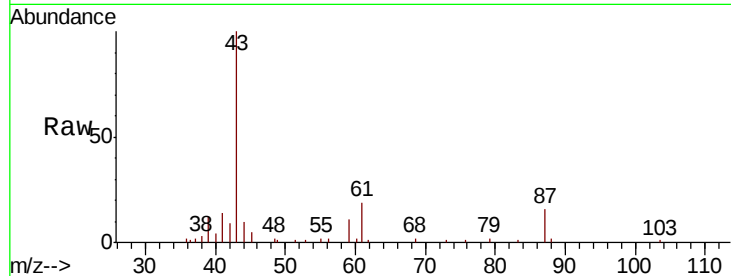
Tot Ion: 43 Resp: 11122

Ion Ratio Lower Upper

43 100

61 21.2 17.8 26.6

87 16.2 13.0 19.4



#44

Trichloroethene

Concen: 0.393 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010516.D

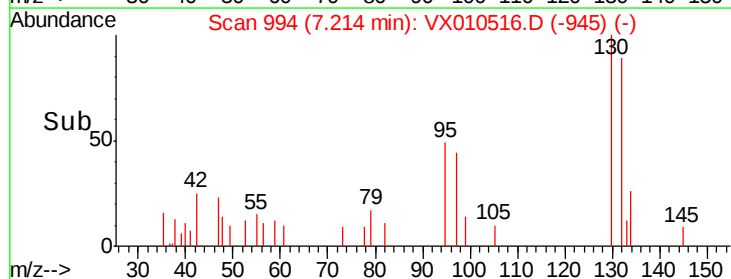
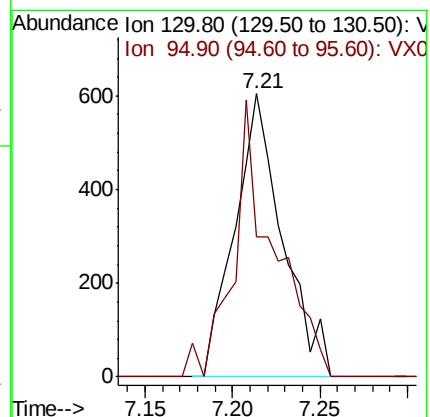
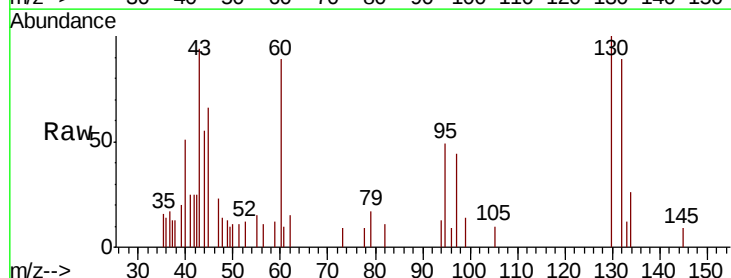
Acq: 28 Jun 2019 03:47

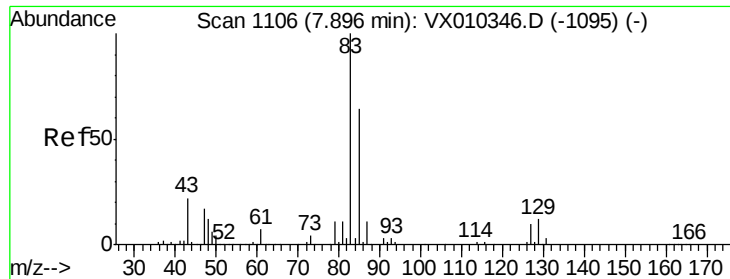
Tgt Ion: 130 Resp: 1149

Ion Ratio Lower Upper

130 100

95 49.3 0.0 180.8





#47

Bromodichloromethane

Concen: 0.245 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX010516.D

Acq: 28 Jun 2019 03:47

Instrument :

MSVOA_X

ClientSampleId :

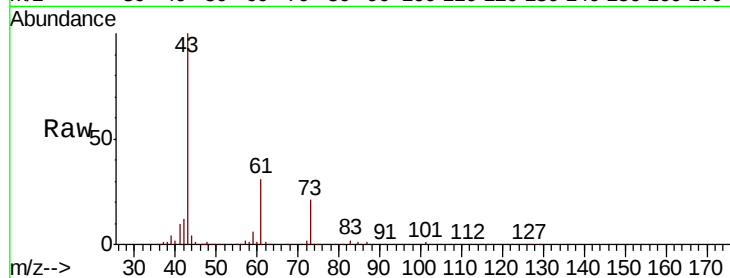
Tot Ion: 83 Resp: 797

Ion Ratio Lower Upper

83 100

85 49.8 51.5 77.3#

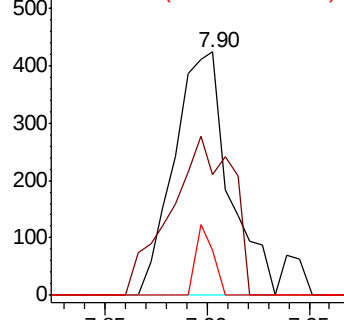
127 18.6 7.8 11.8#



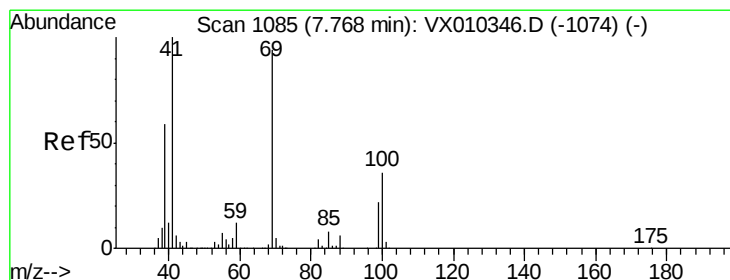
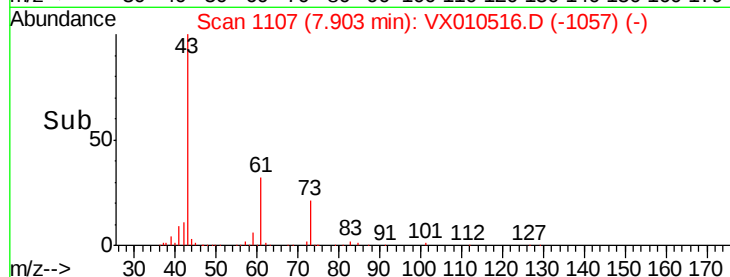
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



Time-->



#48

Methyl methacrylate

Concen: 2.414 ug/l

RT: 7.67 min Scan# 1069

Delta R.T. -0.10 min

Lab File: VX010516.D

Acq: 28 Jun 2019 03:47

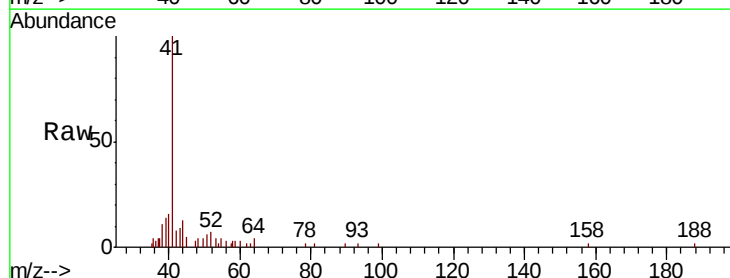
Tgt Ion: 41 Resp: 5997

Ion Ratio Lower Upper

41 100

69 0.4 76.1 114.1#

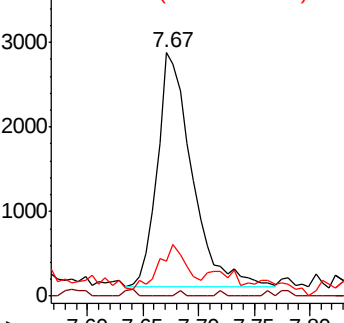
39 0.0 47.6 71.4#



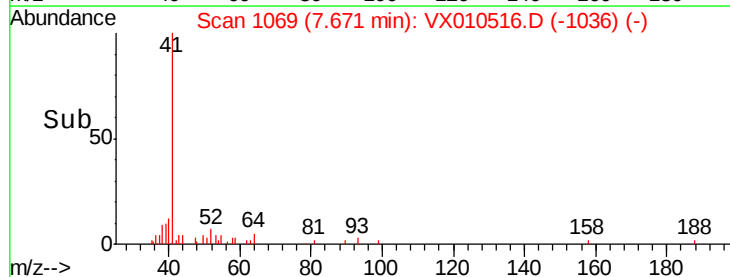
Abundance Ion 41.00 (40.70 to 41.70): VX0

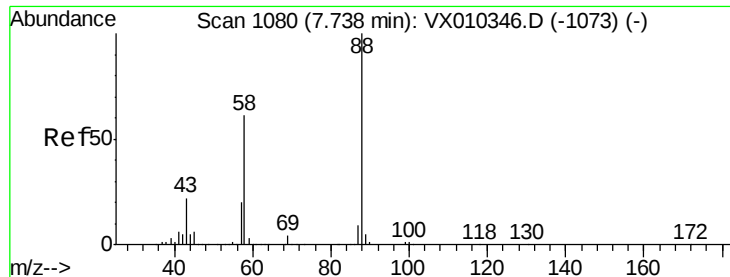
Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->

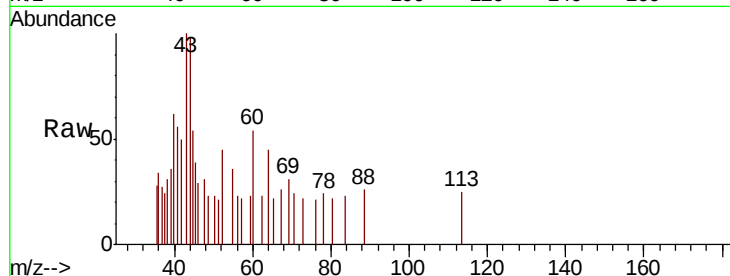




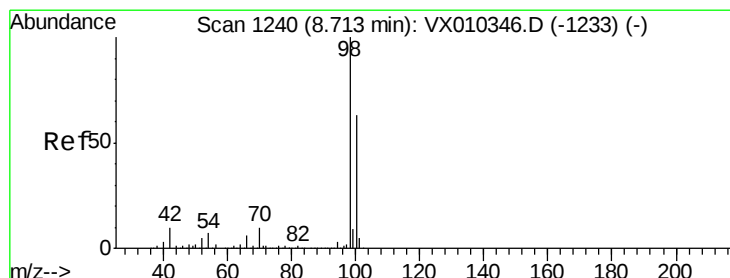
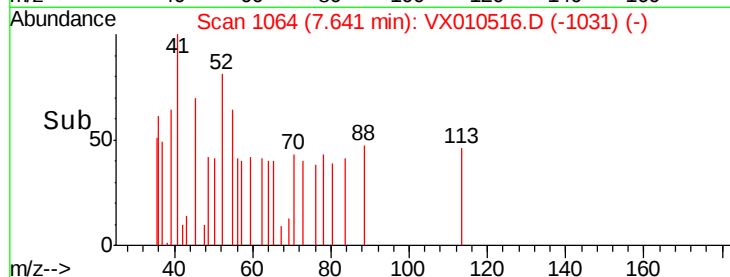
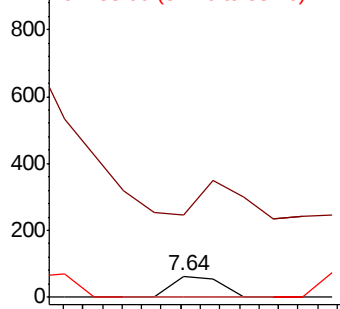
#49
1,4-Dioxane
Concen: 0.615 ug/l
RT: 7.64 min Scan# 1064
Delta R.T. -0.10 min
Lab File: VX010516.D
Acq: 28 Jun 2019 03:47

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 0.0 49.5 74.3#

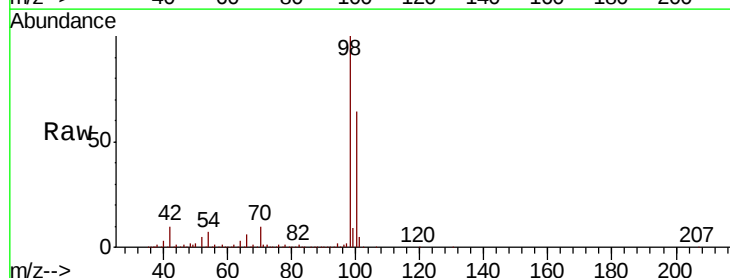


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

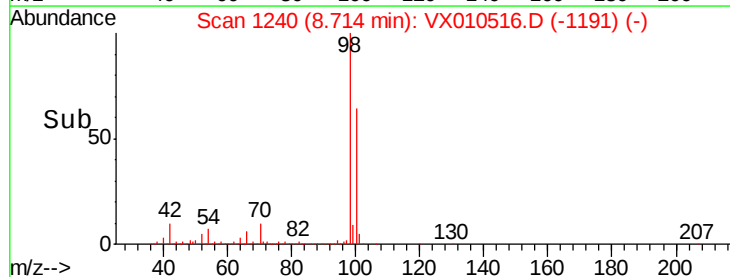
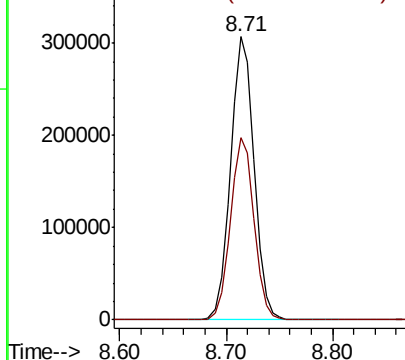


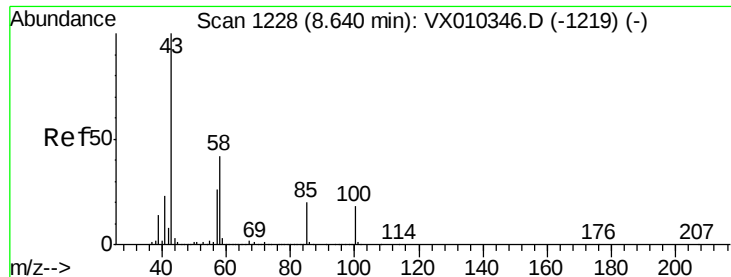
#50
Toluene-d8
Concen: 51.417 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010516.D
Acq: 28 Jun 2019 03:47

Tgt Ion: 98 Resp: 475574
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

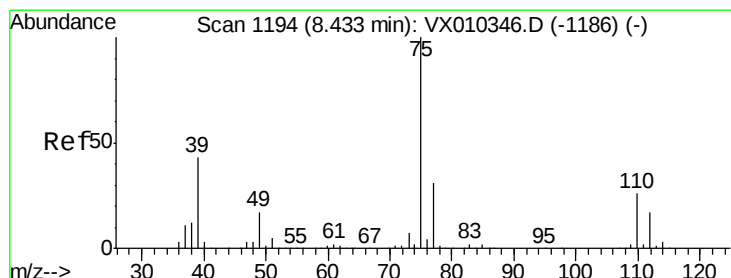
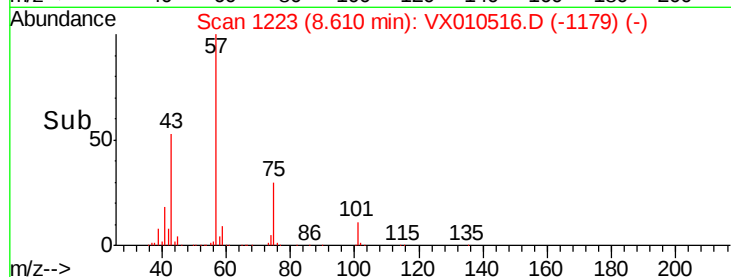
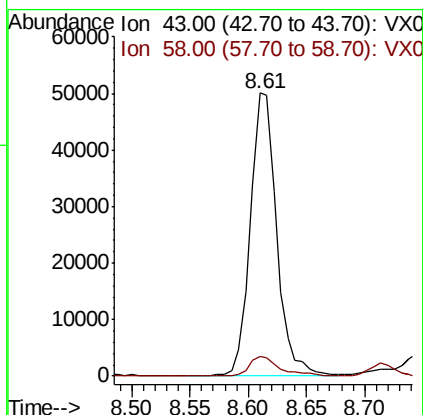
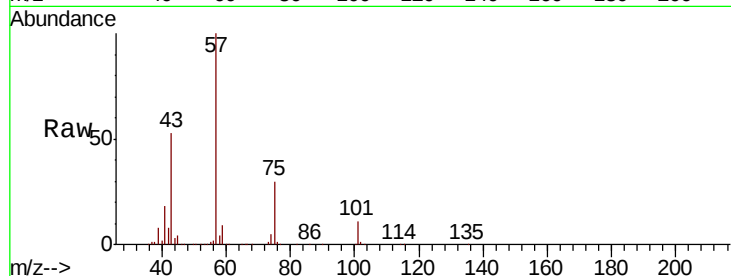




#51
 4-Methyl-2-Pentanone
 Concen: 23.000 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. -0.03 min
 Lab File: VX010516.D
 Acq: 28 Jun 2019 03:47

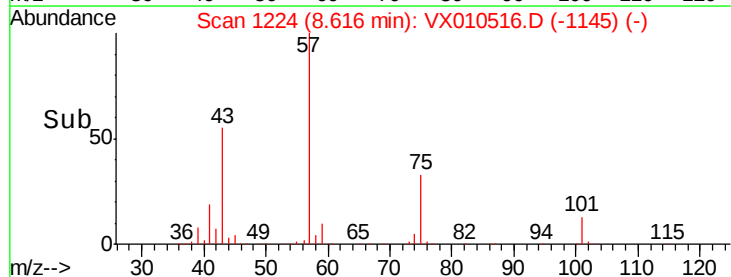
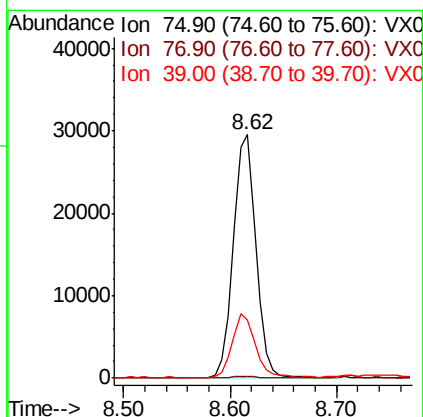
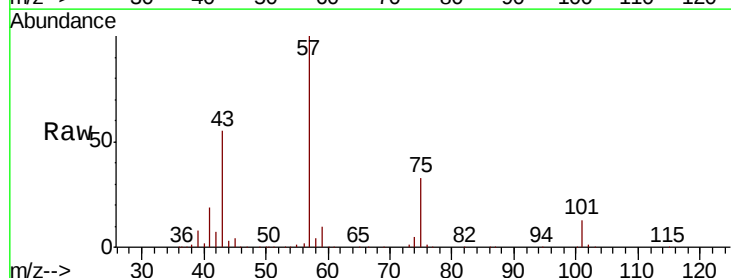
Instrument :
 MSVOA_X
 ClientSampled :

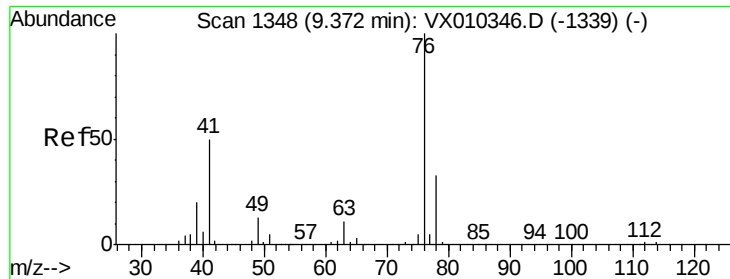
Tot Ion: 43 Resp: 78616
 Ion Ratio Lower Upper
 43 100
 58 8.3 33.5 50.3#



#54
 cis-1,3-Dichloropropene
 Concen: 11.154 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX010516.D
 Acq: 28 Jun 2019 03:47

Tgt Ion: 75 Resp: 44143
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 23.5 34.5 51.7#





#57

1,3-Dichloropropane

Concen: 2.469 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX010516.D

Acq: 28 Jun 2019 03:47

Instrument :

MSVOA_X

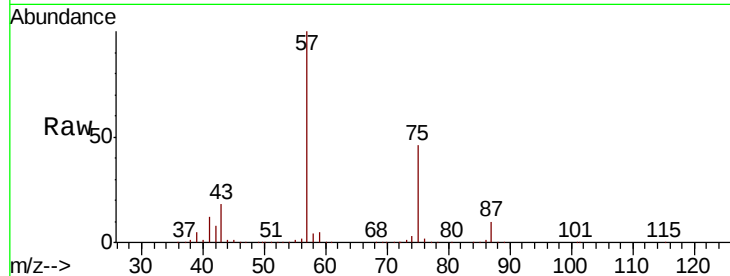
ClientSampleId :

Tot Ion: 76 Resp: 10181

Ion Ratio Lower Upper

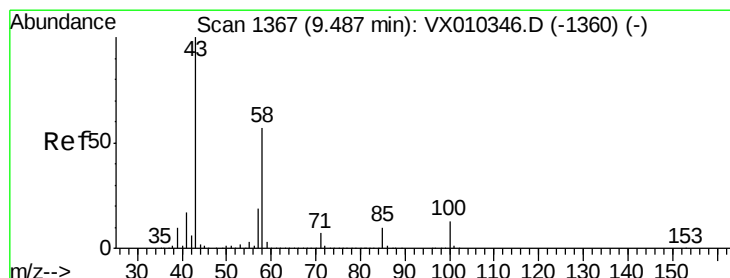
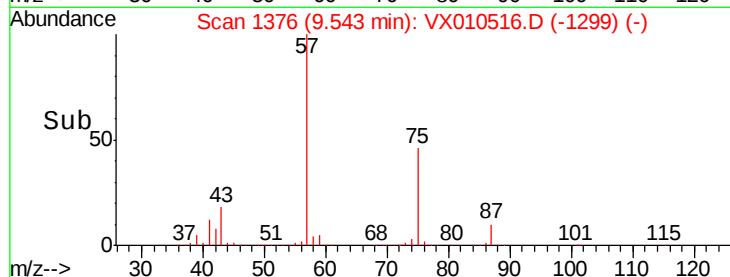
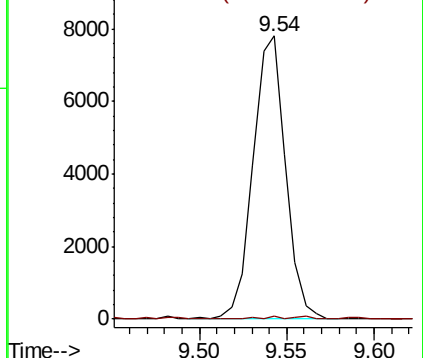
76 100

78 0.2 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: 3.724 ug/l

RT: 9.44 min Scan# 1359

Delta R.T. -0.05 min

Lab File: VX010516.D

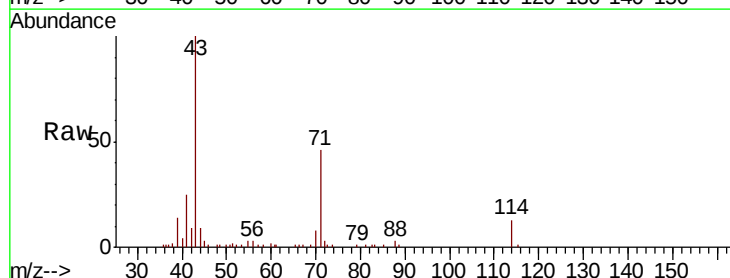
Acq: 28 Jun 2019 03:47

Tgt Ion: 43 Resp: 10017

Ion Ratio Lower Upper

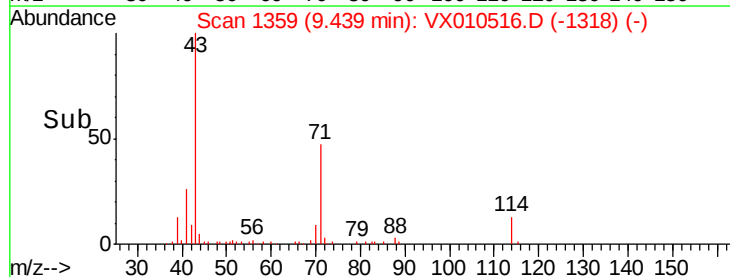
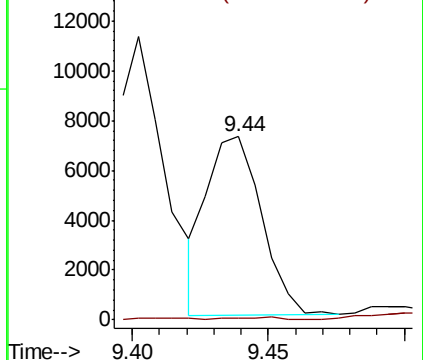
43 100

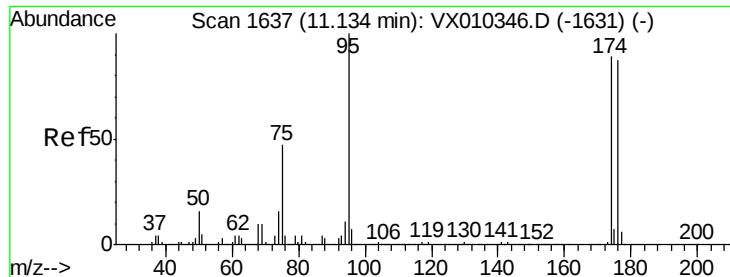
58 0.0 29.0 87.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

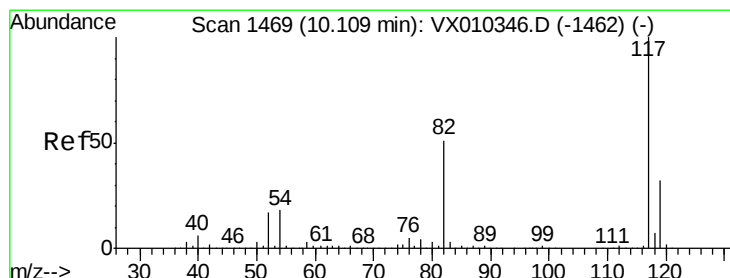
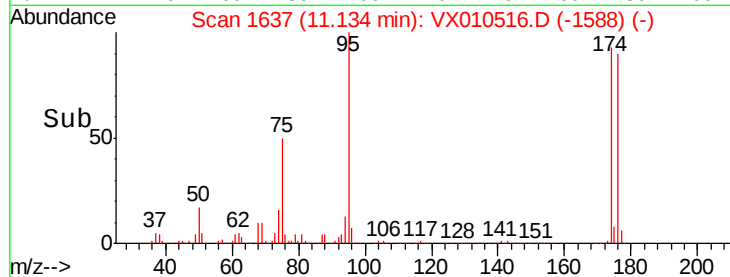
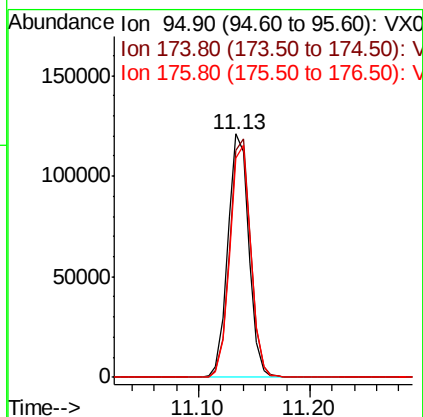
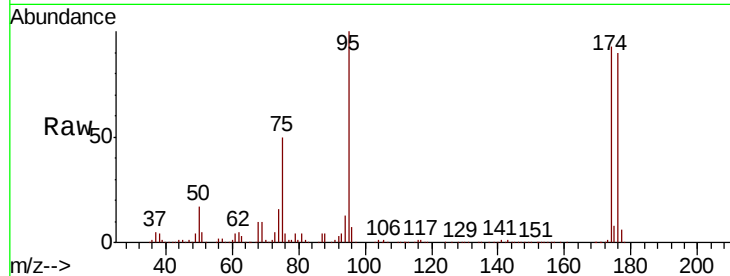




#62
4-Bromofluorobenzene
Concen: 47.095 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010516.D
Acq: 28 Jun 2019 03:47

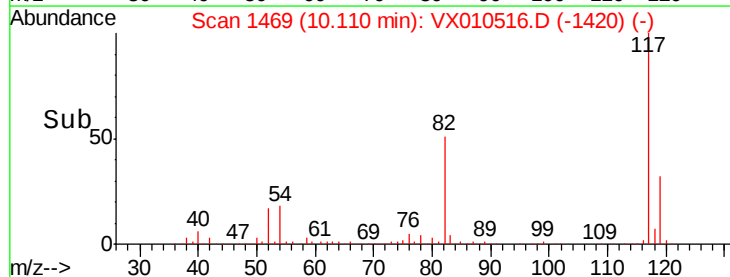
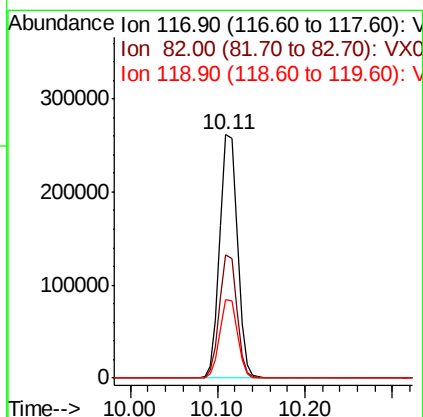
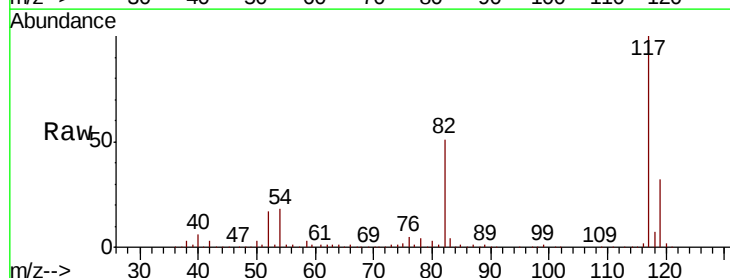
Instrument :
MSVOA_X
ClientSampleId :

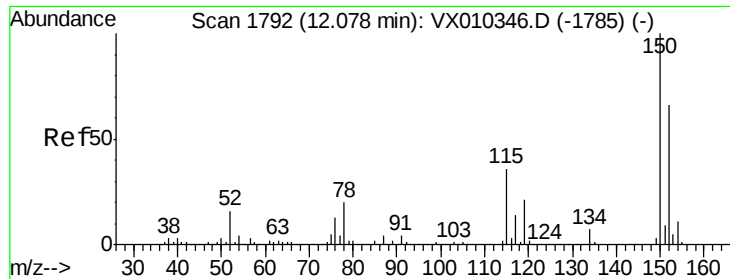
Tot Ion: 95 Resp: 157264
Ion Ratio Lower Upper
95 100
174 97.9 0.0 187.6
176 95.4 0.0 184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010516.D
Acq: 28 Jun 2019 03:47

Tgt Ion: 117 Resp: 365414
Ion Ratio Lower Upper
117 100
82 50.8 41.2 61.8
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010516.D

Acq: 28 Jun 2019 03:47

Instrument :

MSVOA_X

ClientSampleId :

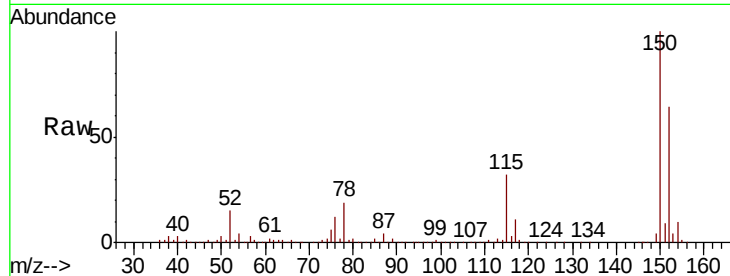
Tot Ion:152 Resp: 170085

Ion Ratio Lower Upper

152 100

115 53.6 38.6 115.7

150 157.0 0.0 347.4

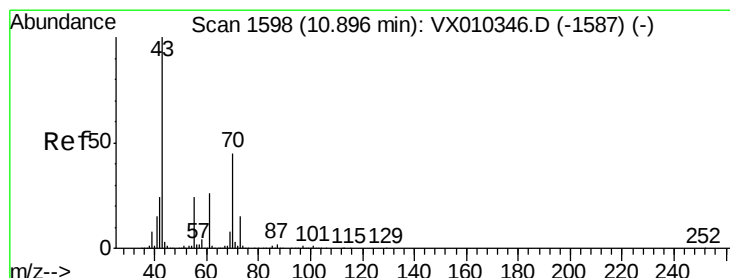
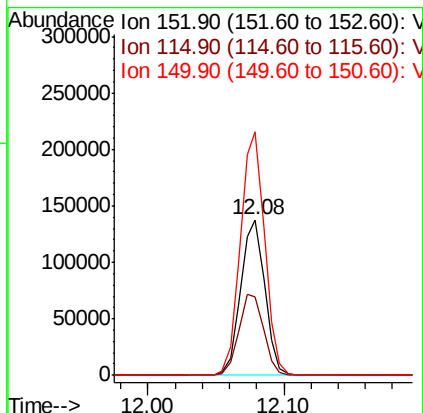
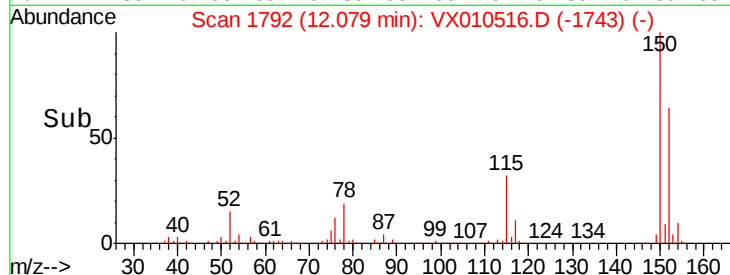


Abundance

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



#74

N-ethyl acetate

Concen: 2.931 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX010516.D

Acq: 28 Jun 2019 03:47

Tgt Ion: 43 Resp: 12771

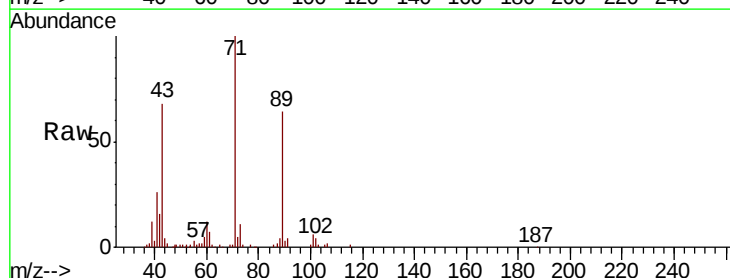
Ion Ratio Lower Upper

43 100

70 3.2 36.6 54.8#

55 6.3 18.7 28.1#

61 11.1 20.6 31.0#



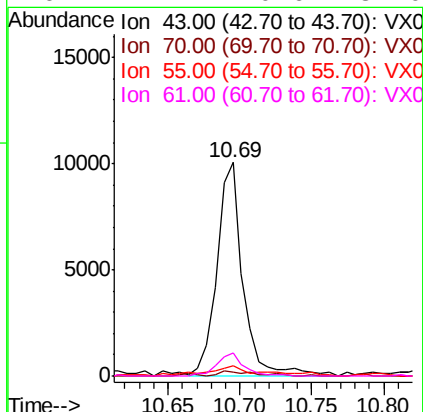
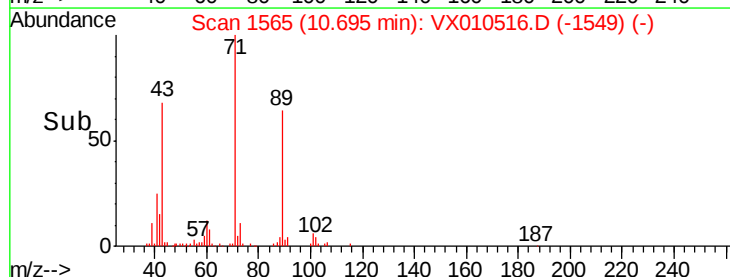
Abundance

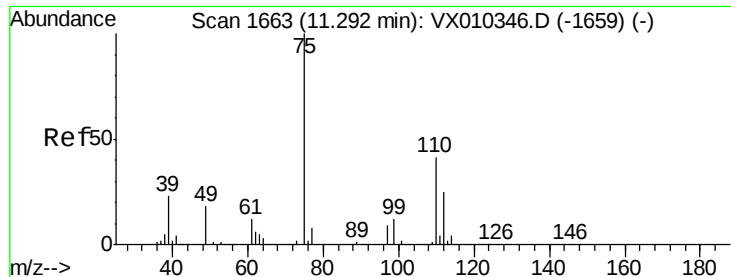
Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



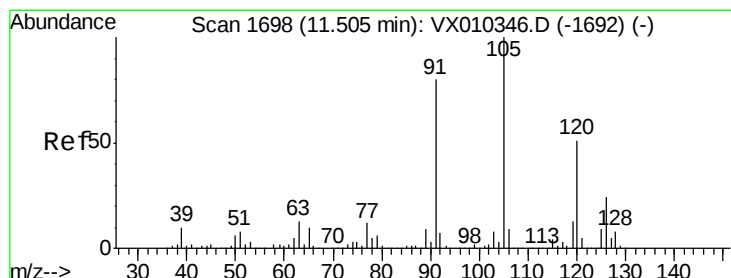
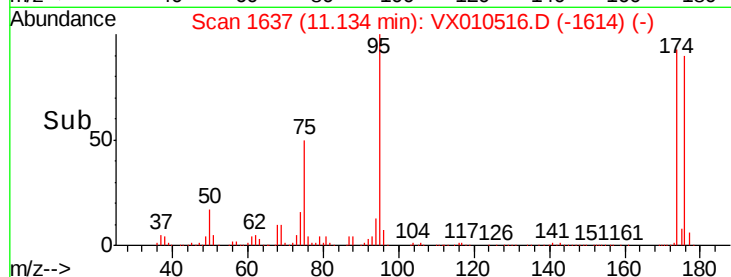
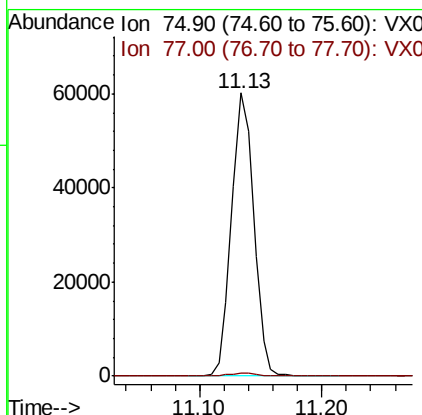
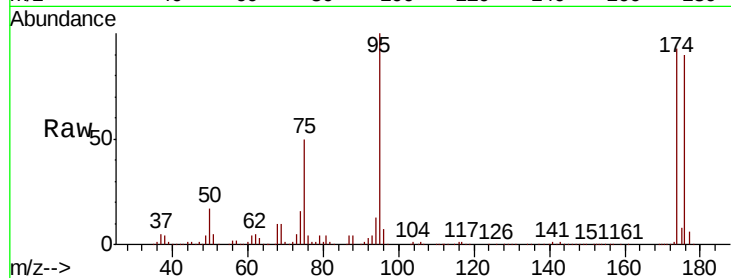


#76

1,2,3-Trichloropropane
Concen: 24.510 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010516.D
Acq: 28 Jun 2019 03:47

Instrument :
MSVOA_X
ClientSampleId :

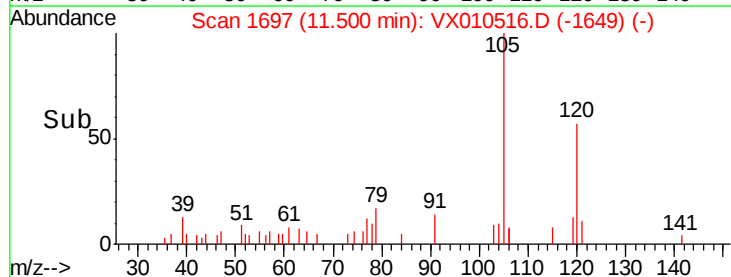
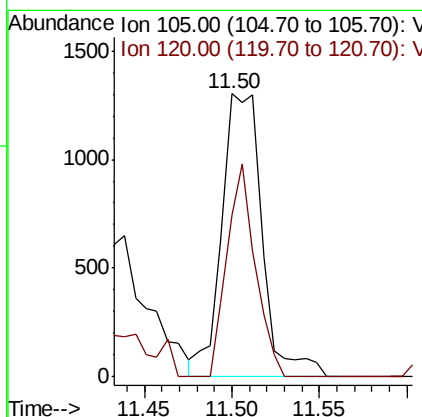
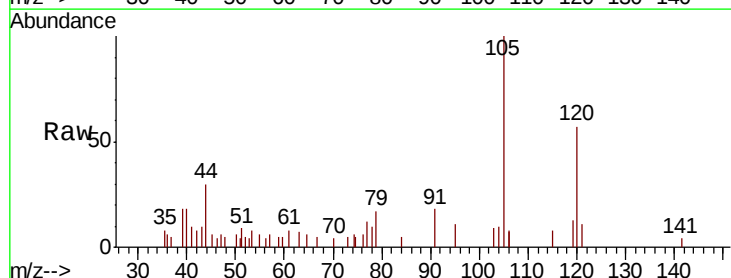
Tot Ion: 75 Resp: 75966
Ion Ratio Lower Upper
75 100
77 1.4 22.6 67.8#

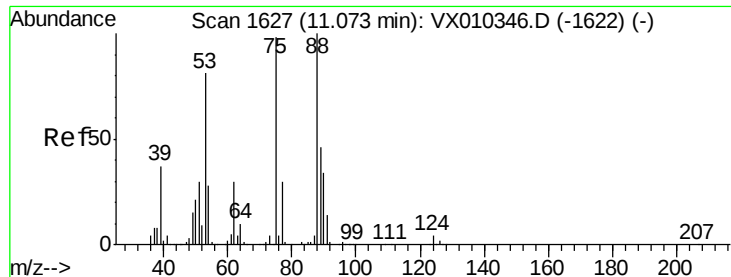


#80

1,3,5-Trimethylbenzene
Concen: 0.221 ug/l
RT: 11.50 min Scan# 1697
Delta R.T. -0.01 min
Lab File: VX010516.D
Acq: 28 Jun 2019 03:47

Tgt Ion: 105 Resp: 2096
Ion Ratio Lower Upper
105 100
120 52.8 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 57.179 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010516.D

Acq: 28 Jun 2019 03:47

Instrument :

MSVOA_X

ClientSampleId :

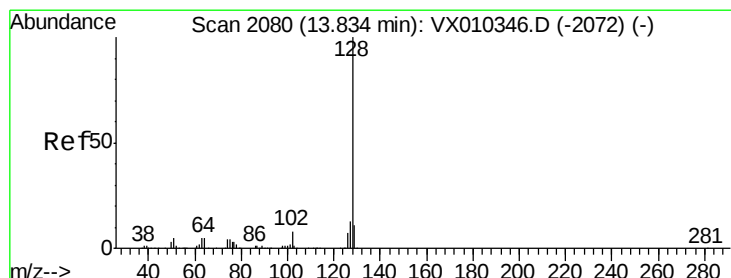
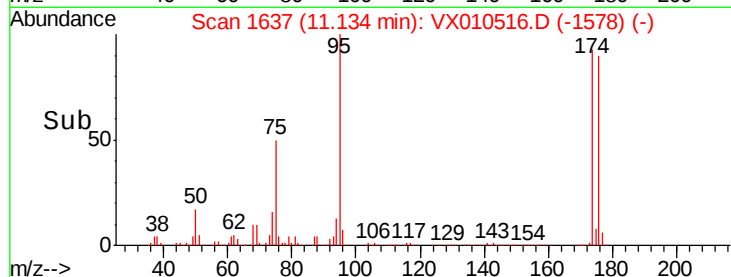
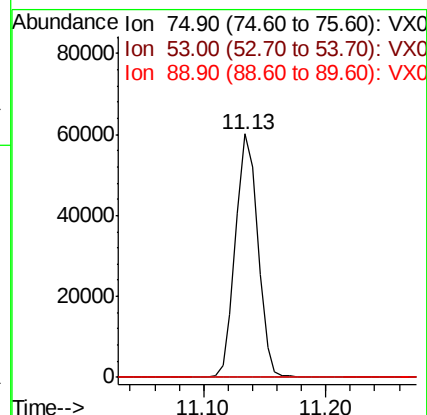
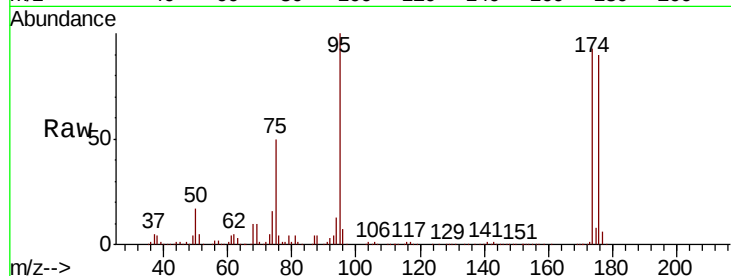
Tot Ion: 75 Resp: 75966

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.1 37.8 56.6#



#95

Naphthalene

Concen: 0.324 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010516.D

Acq: 28 Jun 2019 03:47

Tgt Ion: 128 Resp: 3861

Ion Ratio Lower Upper

128 100

127 16.8 10.2 15.4#

129 14.5 8.9 13.3#

