

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005030.D
 Acq On : 04 Oct 2018 20:29
 Operator : JC/MD
 Sample : J5207-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW507-3337

Quant Time: Oct 05 03:24:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

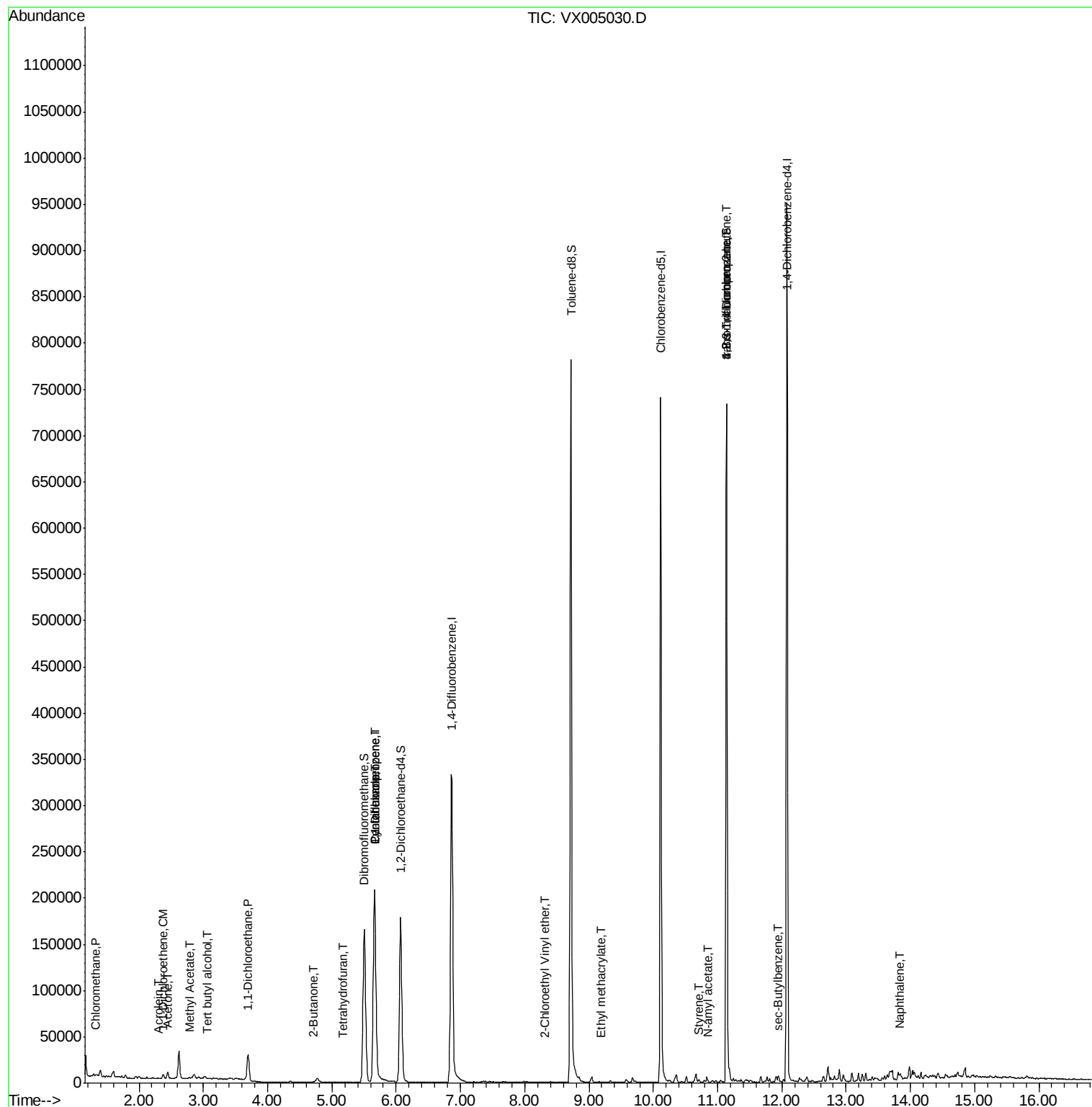
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	222322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	361880	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	353068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198275	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	167735	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
35) Dibromofluoromethane	5.50	113	141417	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
50) Toluene-d8	8.72	98	518557	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.14	95	192597	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	772	0.210	ug/l #	87
6) Chloroethane	1.73	64	968	Below Cal		96
11) Tert butyl alcohol	3.07	59	436	0.491	ug/l #	1
12) 1,1-Dichloroethene	2.37	96	1269	0.527	ug/l	98
13) Acrolein	2.30	56	160	0.253	ug/l #	17
16) Acetone	2.45	43	7308	3.941	ug/l #	87
18) Methyl Acetate	2.78	43	1125	0.239	ug/l #	80
20) Methylene Chloride	2.85	84	1448	Below Cal		97
24) 1,1-Dichloroethane	3.70	63	29797	5.644	ug/l	100
25) 2-Butanone	4.71	43	1077	0.394	ug/l #	74
29) Tetrahydrofuran	5.17	42	357	0.210	ug/l #	34
31) Cyclohexane	5.66	56	4164	1.030	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15054	3.598	ug/l #	46
56) Ethyl methacrylate	9.19	69	20	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	21	14.249	ug/l #	49
70) Styrene	10.71	104	91	2.149	ug/l #	21
74) N-amyl acetate	10.86	43	76	1.759	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	93465	21.031	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	456	Below Cal		84
81) trans-1,4-Dichloro-2-buten	11.14	75	93465	57.068	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	1143	Below Cal		93
85) sec-Butylbenzene	11.94	105	3352	0.267	ug/l	87
95) Naphthalene	13.83	128	4480	0.987	ug/l #	91

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100418\
Data File : VX005030.D
Acq On : 04 Oct 2018 20:29
Operator : JC/MD
Sample : J5207-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA-TW507-3337

Quant Time: Oct 05 03:24:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

Instrument :

MSVOA_X

ClientSampleId :

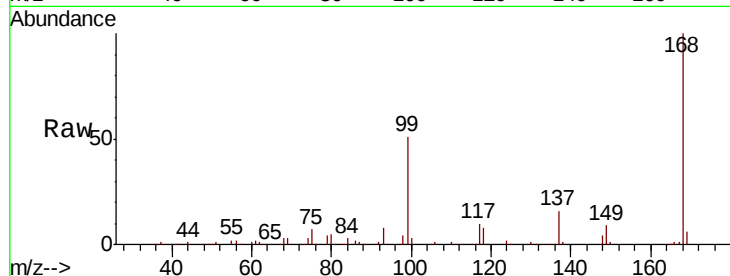
SA-TW507-3337

Tot Ion:168 Resp: 222322

Ion Ratio Lower Upper

168 100

99 51.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

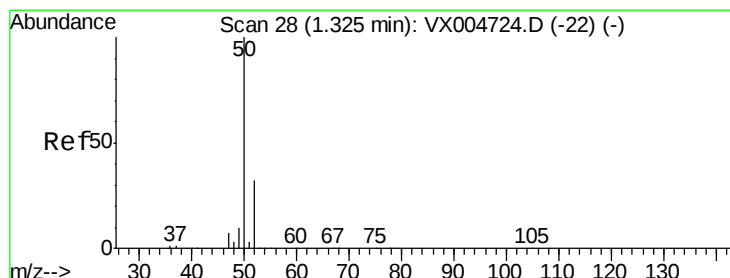
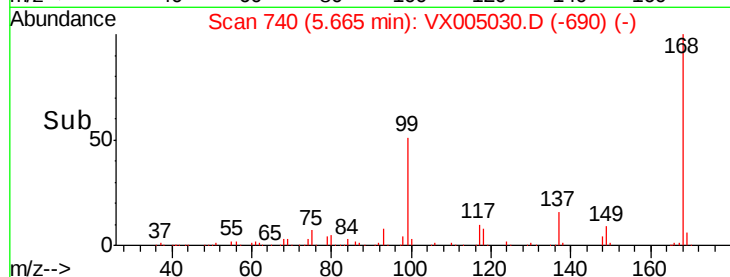
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.210 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005030.D

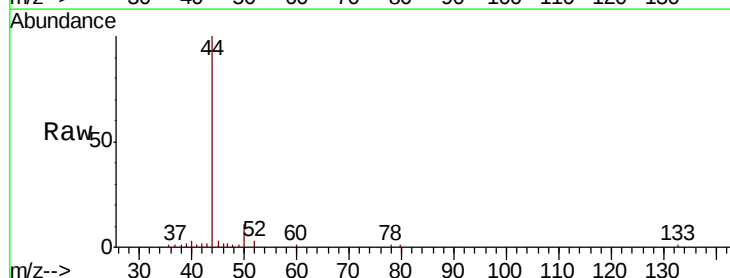
Acq: 04 Oct 2018 20:29

Tgt Ion: 50 Resp: 772

Ion Ratio Lower Upper

50 100

52 24.9 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

600

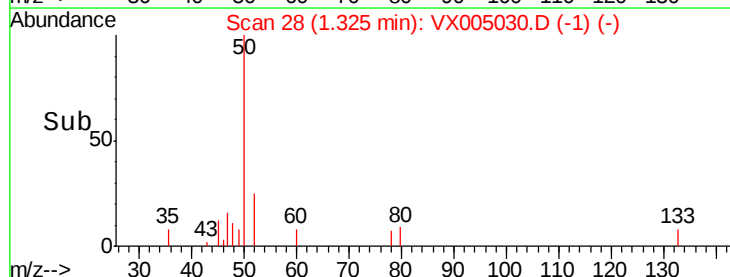
400

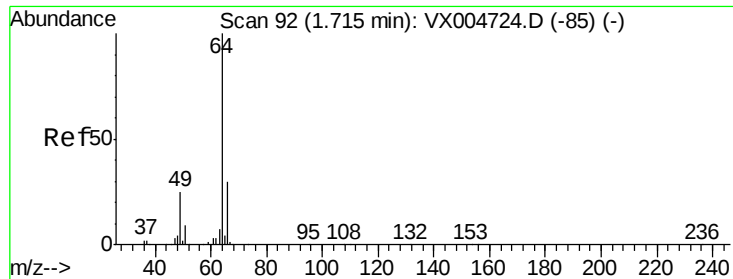
200

0

Time-->

1.30 1.32 1.34 1.36





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

Instrument :

MSVOA_X

ClientSampleId :

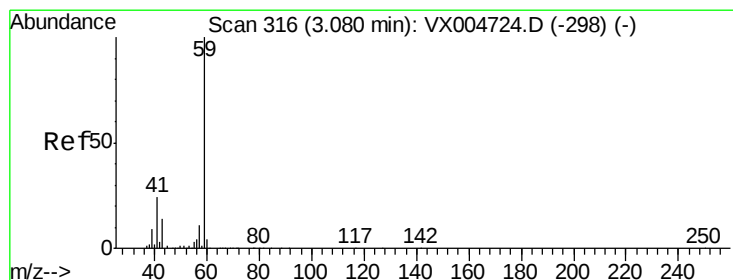
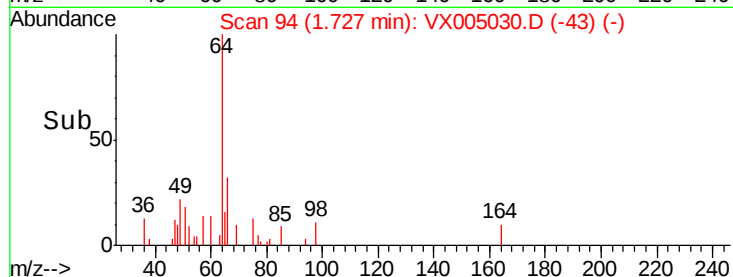
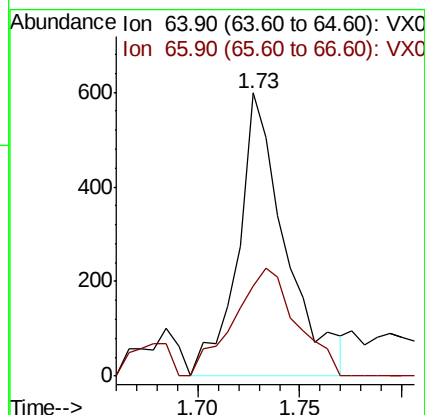
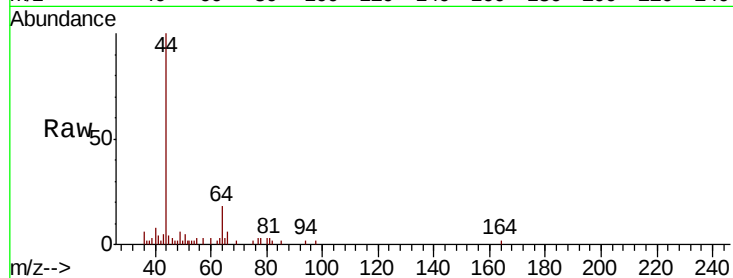
SA-TW507-3337

Tot Ion: 64 Resp: 968

Ion Ratio Lower Upper

64 100

66 31.9 23.8 35.6



#11

Tert butyl alcohol

Concen: 0.491 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX005030.D

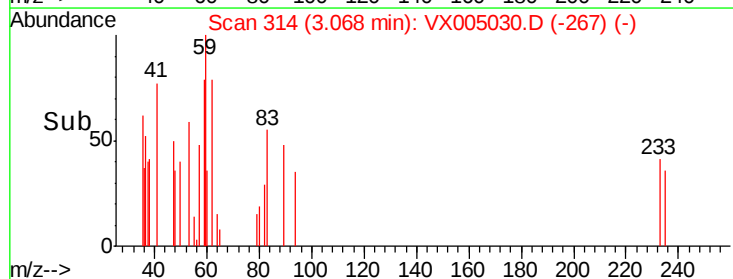
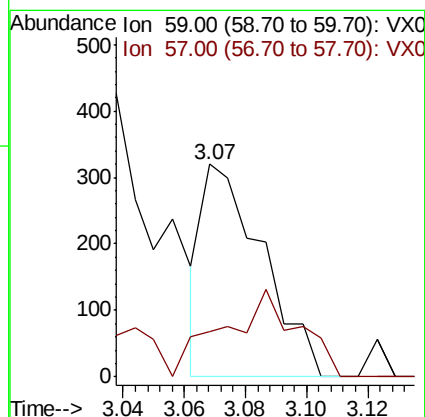
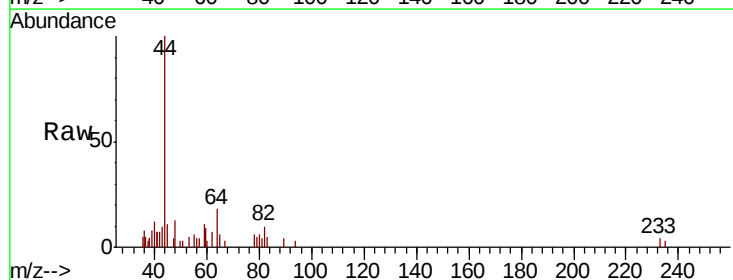
Acq: 04 Oct 2018 20:29

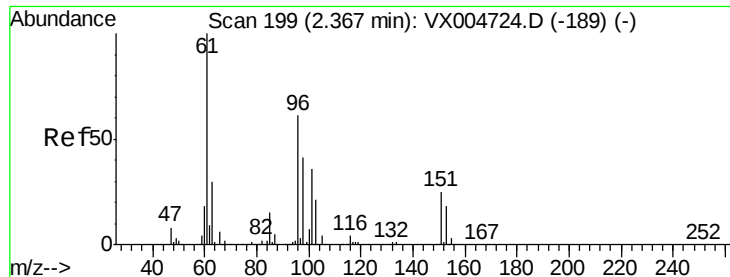
Tgt Ion: 59 Resp: 436

Ion Ratio Lower Upper

59 100

57 50.7 8.6 12.8#





#12

1,1-Dichloroethene

Concen: 0.527 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

Instrument :

MSVOA_X

ClientSampleId :

SA-TW507-3337

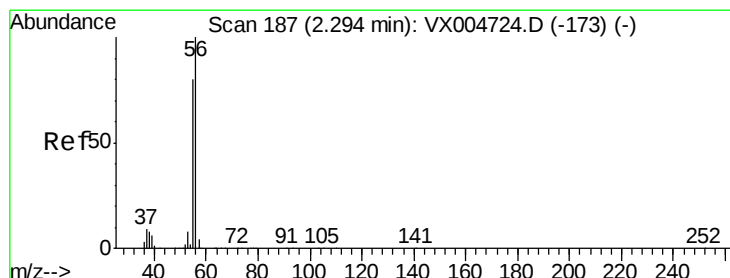
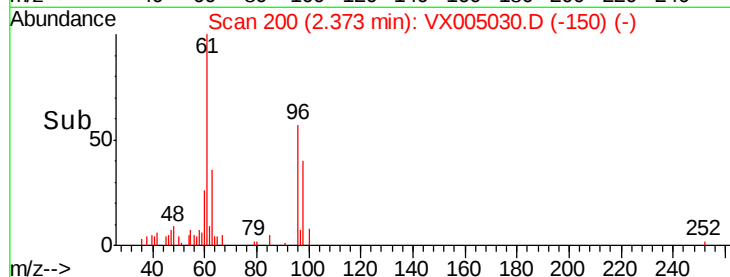
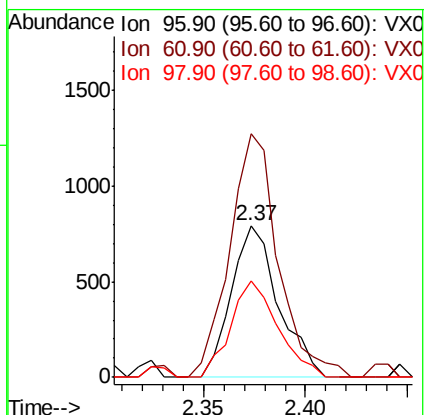
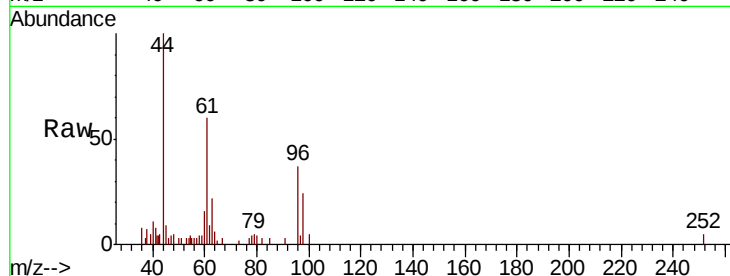
Tot Ion: 96 Resp: 1269

Ion Ratio Lower Upper

96 100

61 160.5 130.2 195.4

98 63.4 53.4 80.0



#13

Acrolein

Concen: 0.253 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005030.D

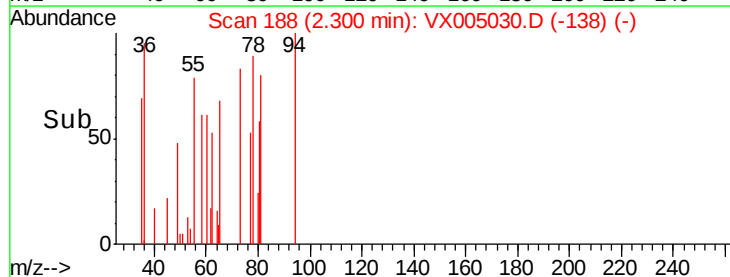
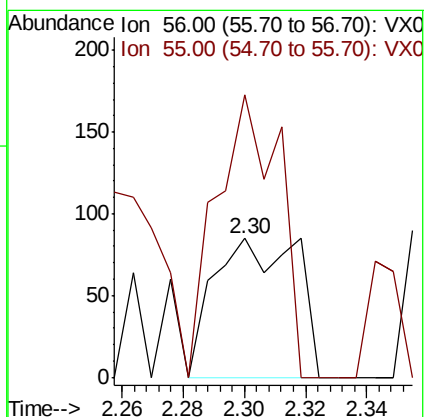
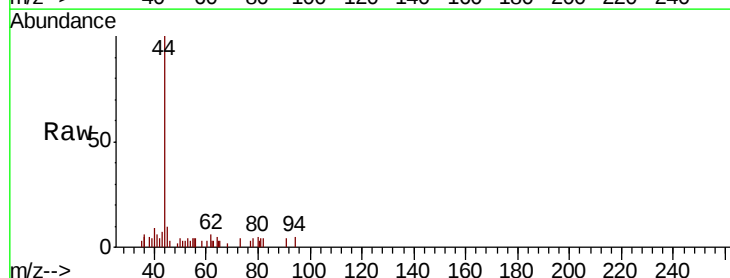
Acq: 04 Oct 2018 20:29

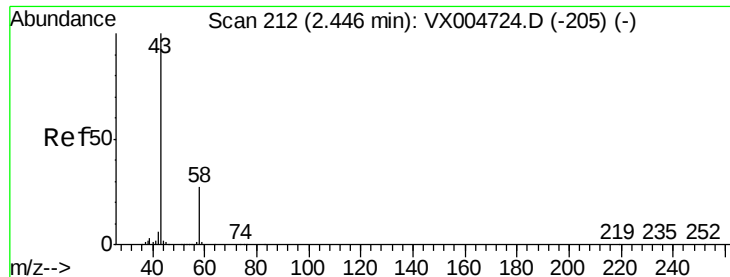
Tgt Ion: 56 Resp: 160

Ion Ratio Lower Upper

56 100

55 152.5 63.4 95.2#

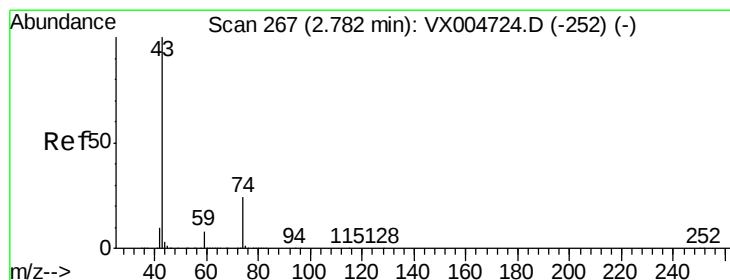
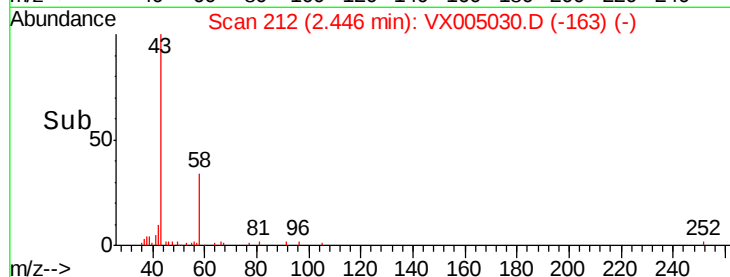
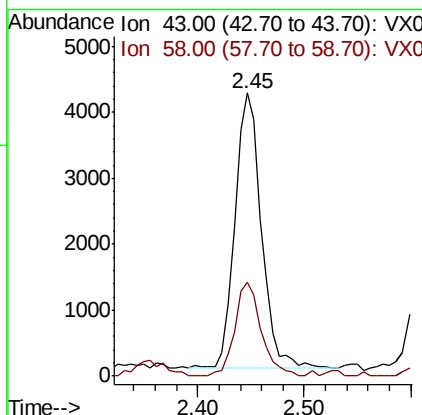
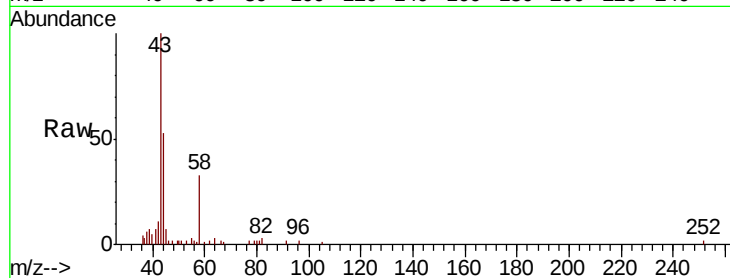




#16
Acetone
Concen: 3.941 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

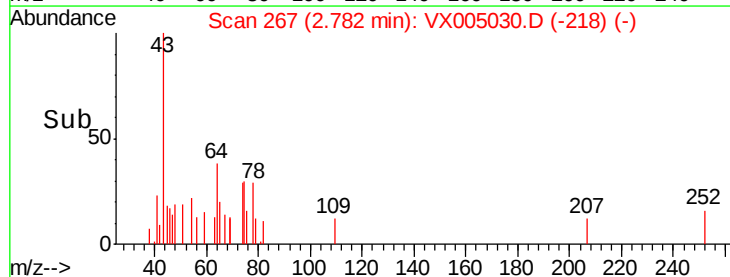
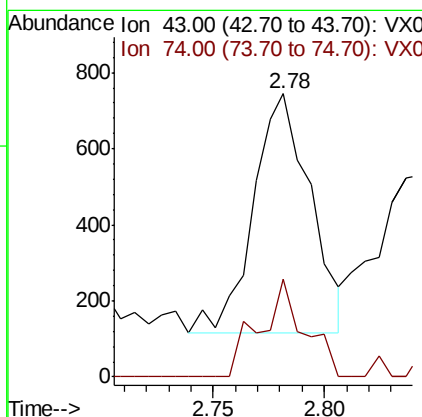
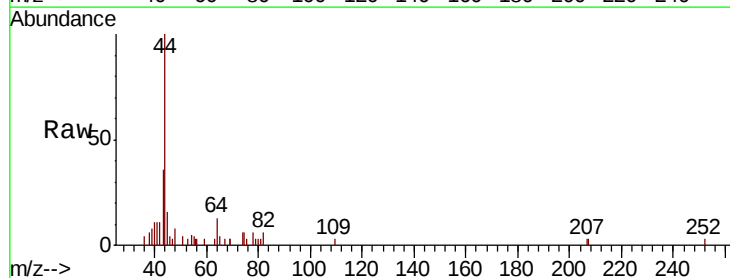
Instrument :
MSVOA_X
ClientSampleId :
SA-TW507-3337

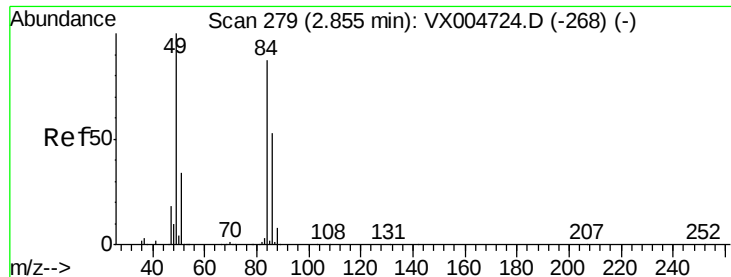
Tot Ion: 43 Resp: 7308
Ion Ratio Lower Upper
43 100
58 33.9 21.8 32.6#



#18
Methyl Acetate
Concen: 0.239 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Tgt Ion: 43 Resp: 1125
Ion Ratio Lower Upper
43 100
74 32.0 17.8 26.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

Instrument :

MSVOA_X

ClientSampleId :

SA-TW507-3337

Tot Ion: 84 Resp: 1448

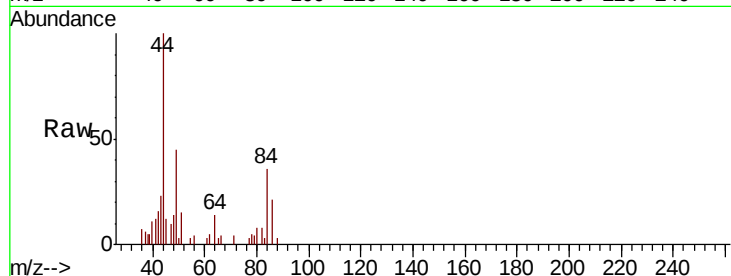
Ion Ratio Lower Upper

84 100

49 119.2 92.3 138.5

51 42.3 31.8 47.6

86 59.3 48.5 72.7

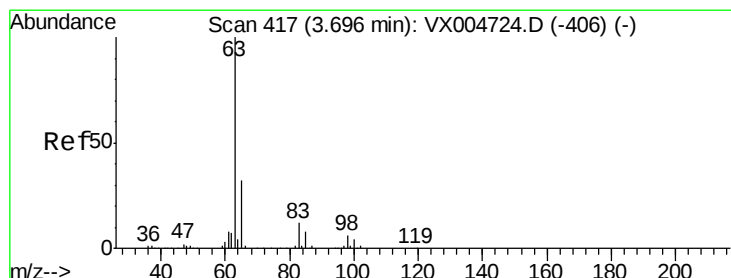
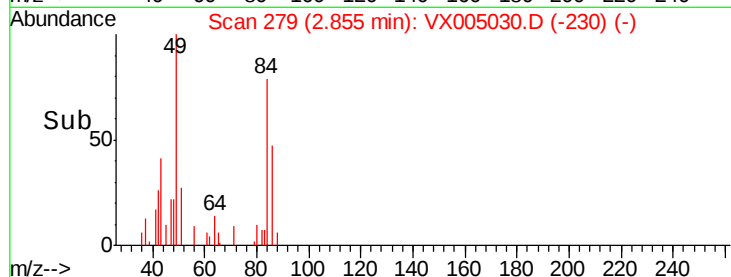
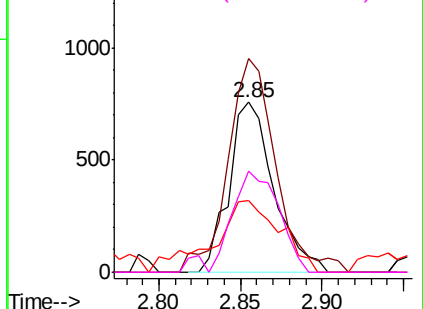


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#24

1,1-Dichloroethane

Concen: 5.644 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

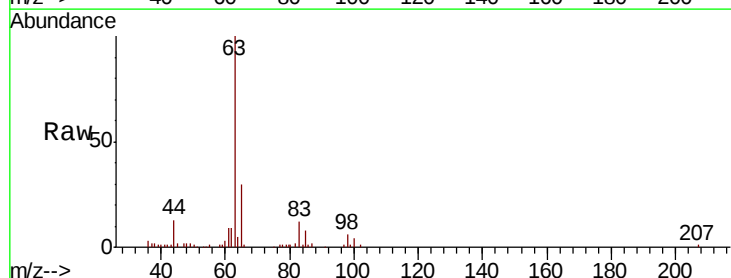
Tgt Ion: 63 Resp: 29797

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

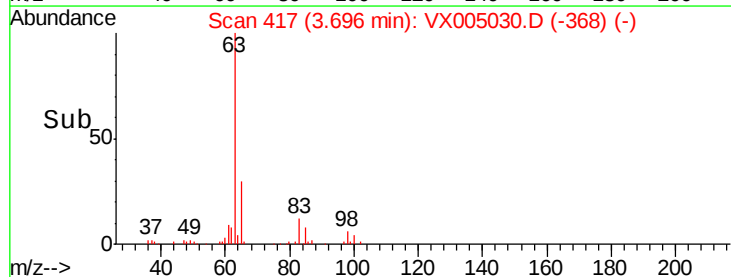
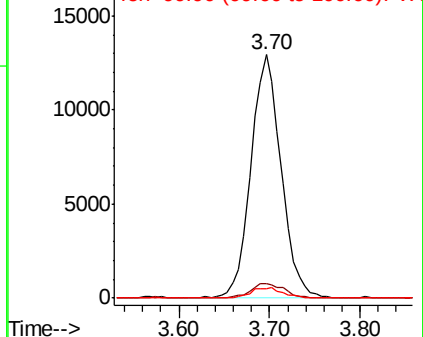
100 3.7 2.0 5.8

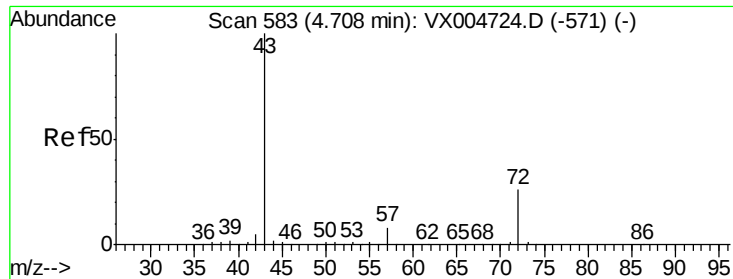


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

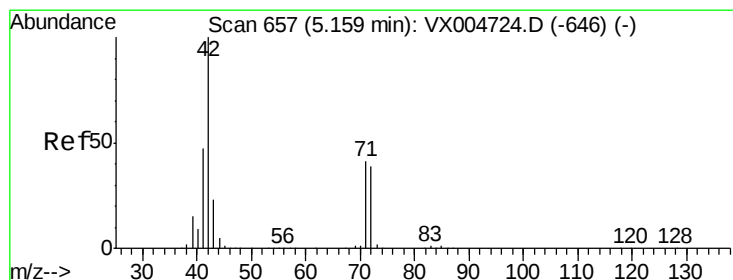
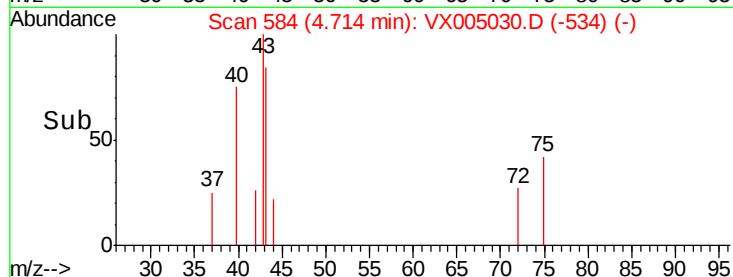
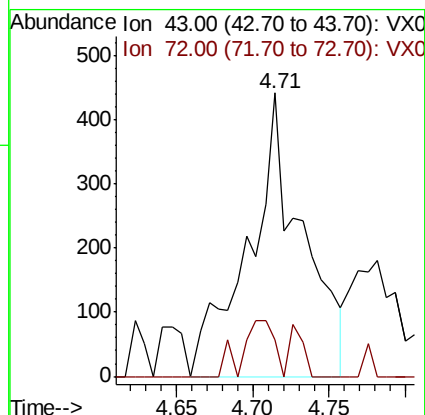
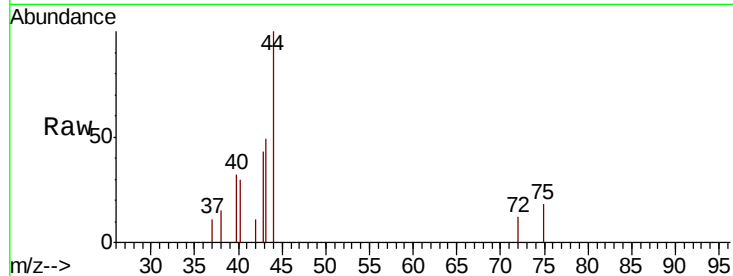




#25
2-Butanone
Concen: 0.394 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

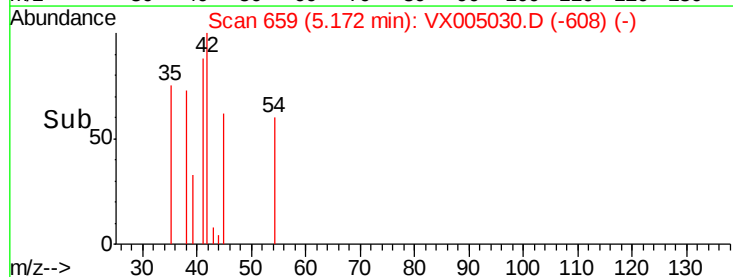
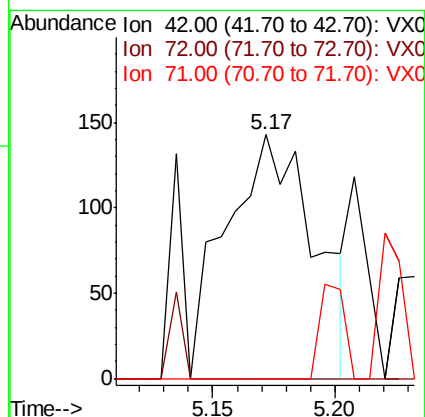
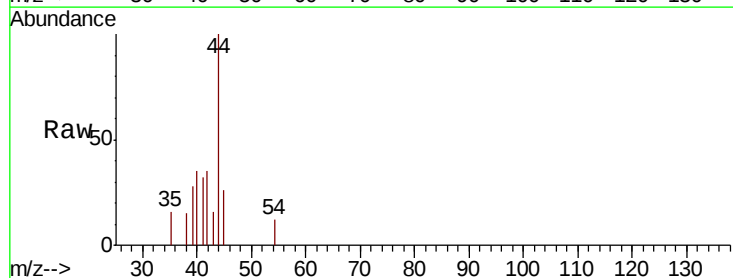
Instrument :
MSVOA_X
ClientSampleId :
SA-TW507-3337

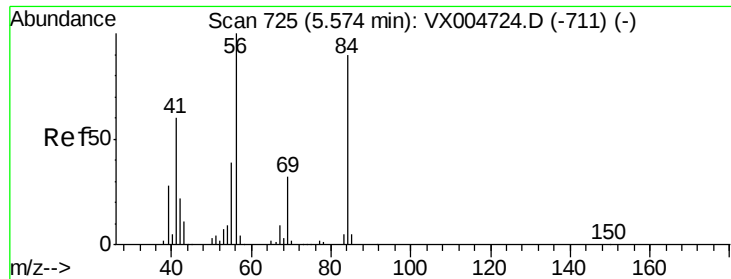
Tot Ion: 43 Resp: 1077
Ion Ratio Lower Upper
43 100
72 12.7 20.8 31.2#



#29
Tetrahydrofuran
Concen: 0.210 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Tgt Ion: 42 Resp: 357
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.2 48.4#

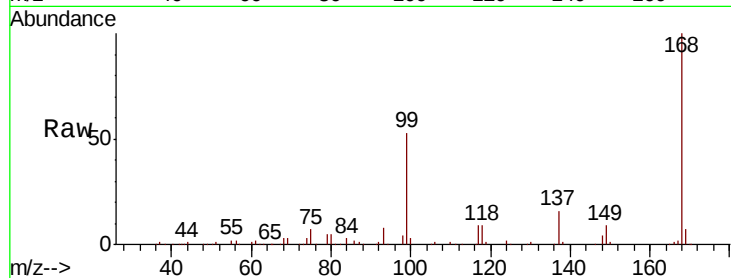




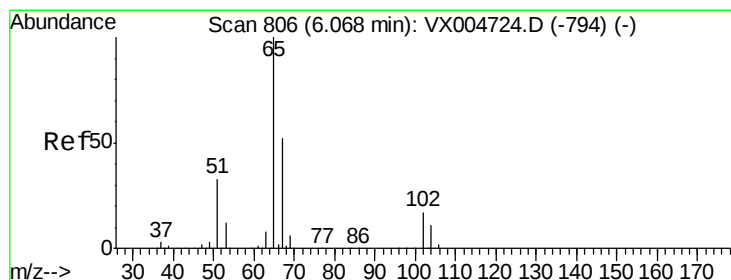
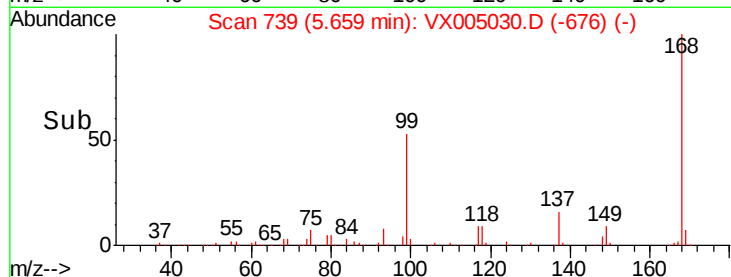
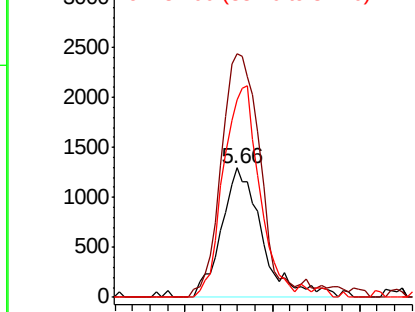
#31
Cyclohexane
Concen: 1.030 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Instrument :
MSVOA_X
ClientSampleId :
SA-TW507-3337

Tot Ion: 56 Resp: 4164
Ion Ratio Lower Upper
56 100
69 188.0 25.9 38.9#
84 152.7 71.9 107.9#

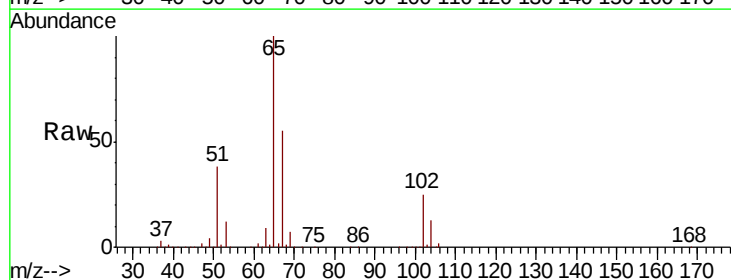


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

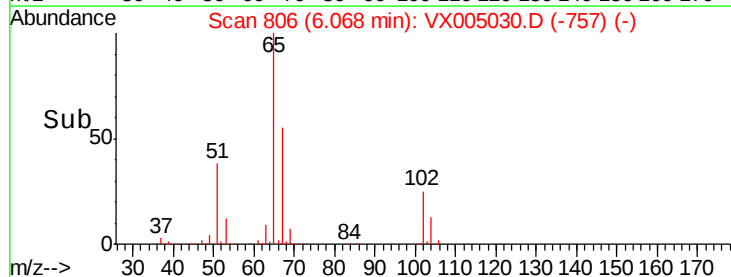
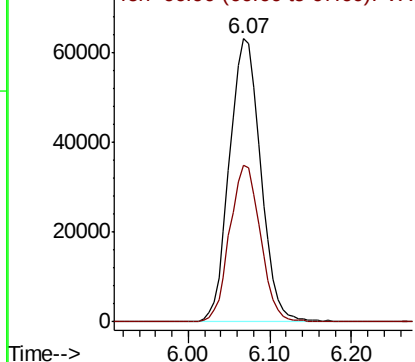


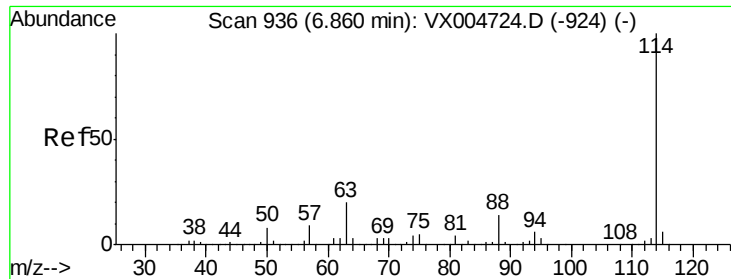
#33
1,2-Dichloroethane-d4
Concen: 52.815 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Tgt Ion: 65 Resp: 167735
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

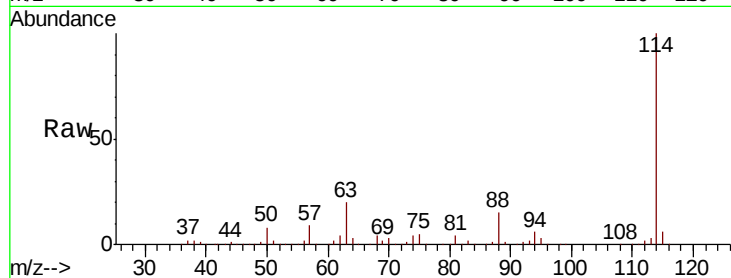




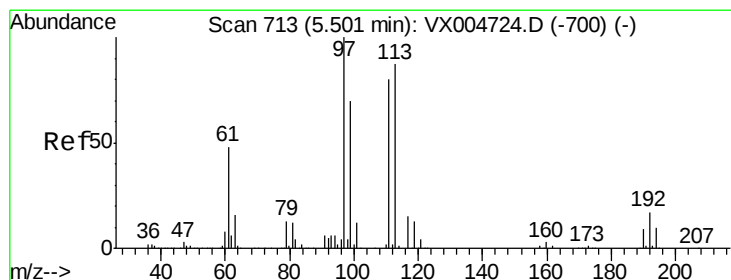
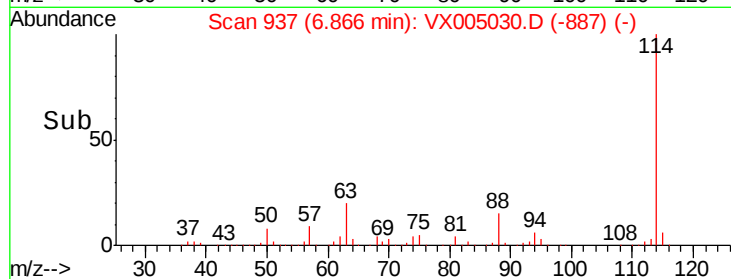
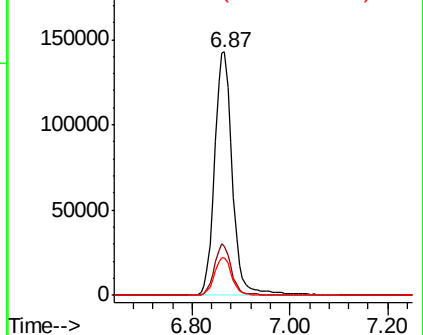
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005030.D
 Acq: 04 Oct 2018 20:29

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW507-3337

Tot Ion:114 Resp: 361880
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.8
 88 15.3 0.0 27.0

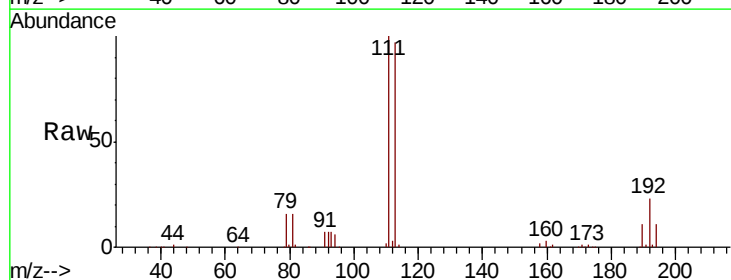


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

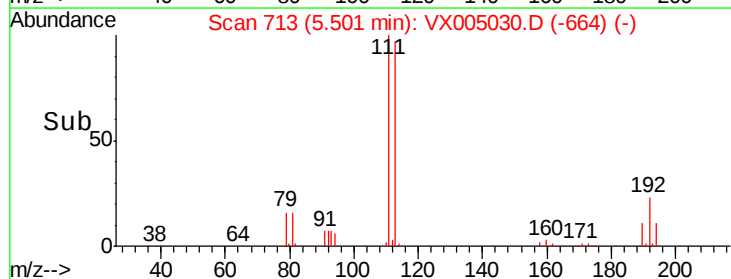
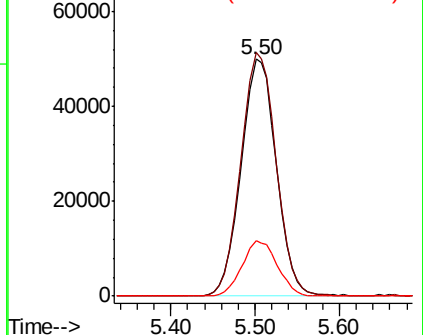


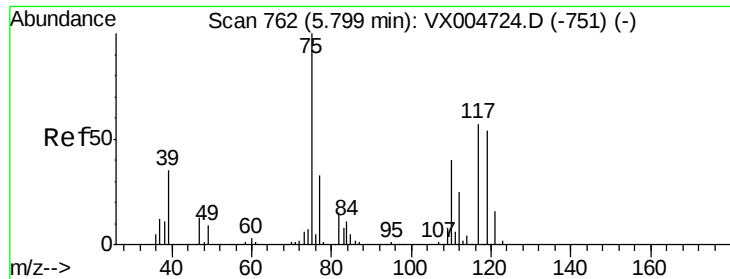
#35
 Dibromofluoromethane
 Concen: 46.110 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005030.D
 Acq: 04 Oct 2018 20:29

Tgt Ion:113 Resp: 141417
 Ion Ratio Lower Upper
 113 100
 111 103.2 77.0 115.4
 192 23.6 17.0 25.6



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: 3.598 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

Instrument :

MSVOA_X

ClientSampleId :

SA-TW507-3337

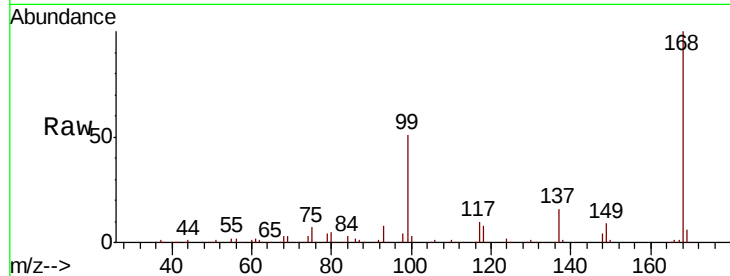
Tot Ion: 75 Resp: 15054

Ion Ratio Lower Upper

75 100

110 9.3 20.0 59.9#

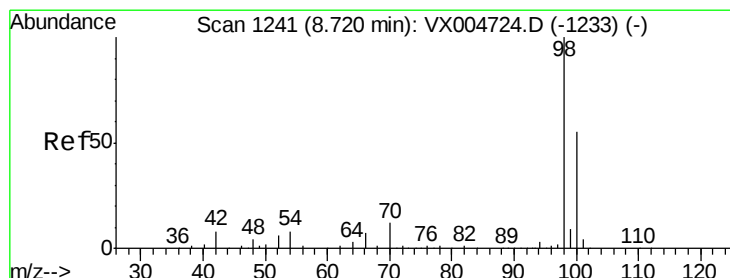
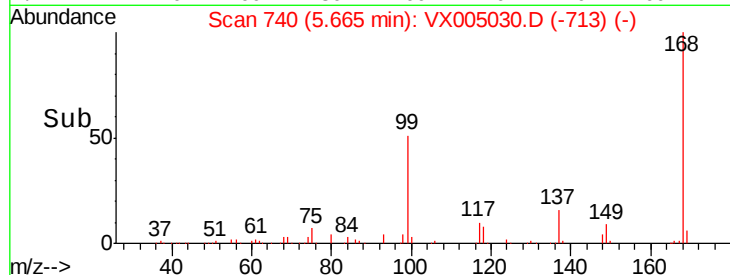
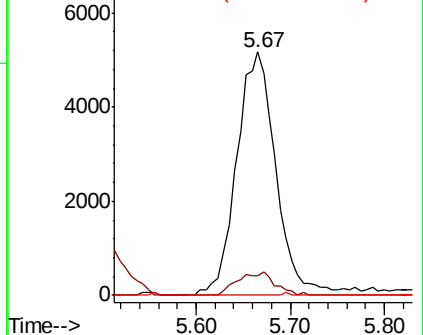
77 0.0 27.1 40.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#50

Toluene-d8

Concen: 50.858 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX005030.D

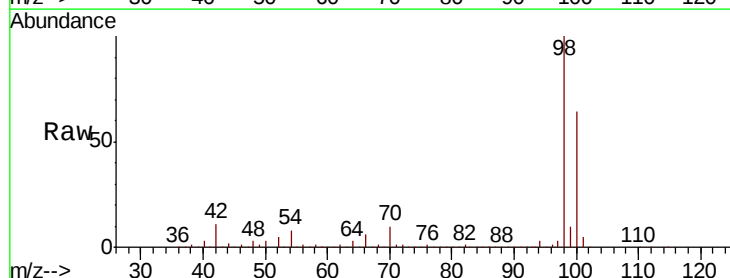
Acq: 04 Oct 2018 20:29

Tgt Ion: 98 Resp: 518557

Ion Ratio Lower Upper

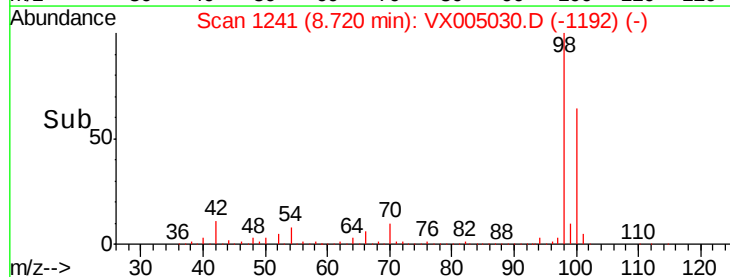
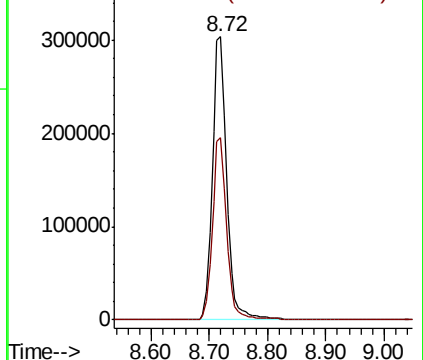
98 100

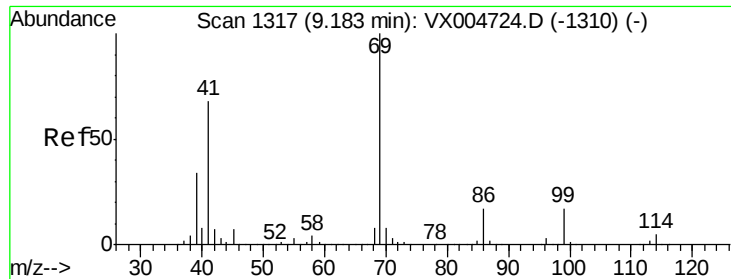
100 63.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 2.866 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

Instrument :

MSVOA_X

ClientSampled :

SA-TW507-3337

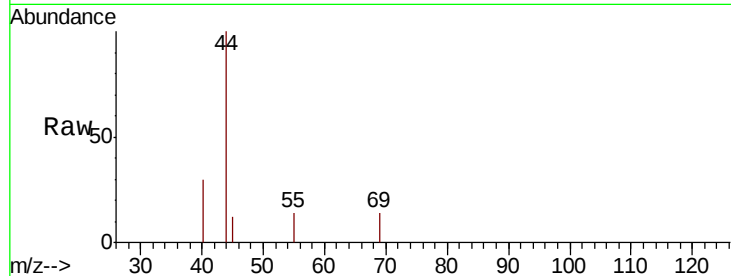
Tot Ion: 69 Resp: 20

Ion Ratio Lower Upper

69 100

41 960.0 56.9 85.3#

39 275.0 28.4 42.6#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

150

100

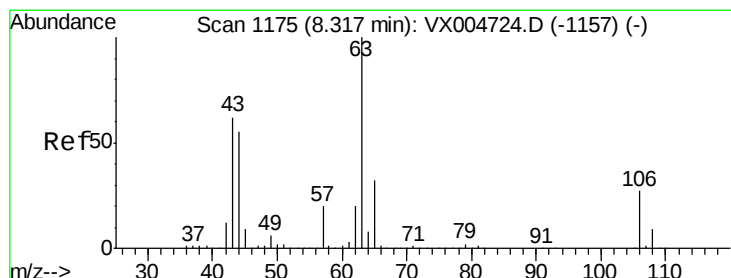
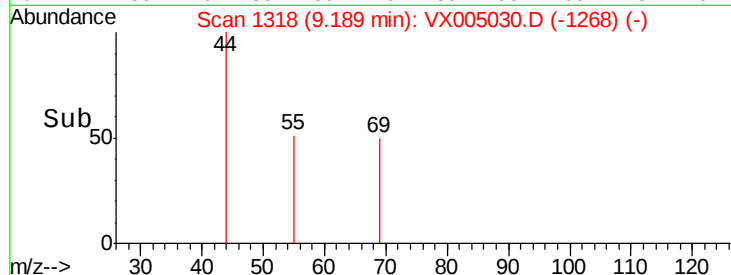
50

0

9.17 9.18 9.19 9.20 9.21

9.19

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 14.249 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX005030.D

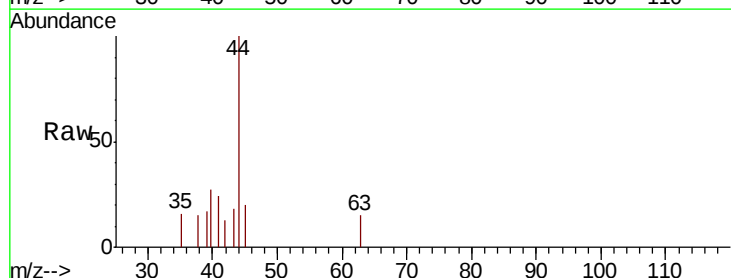
Acq: 04 Oct 2018 20:29

Tgt Ion: 63 Resp: 21

Ion Ratio Lower Upper

63 100

106 0.0 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

60

40

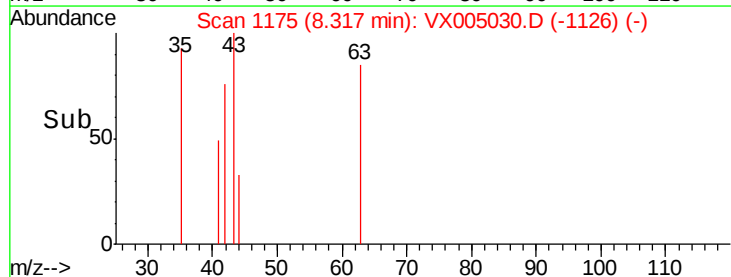
20

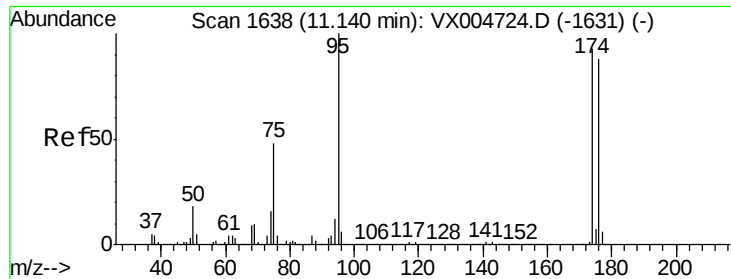
0

8.30 8.31 8.32 8.33

8.32

Time-->

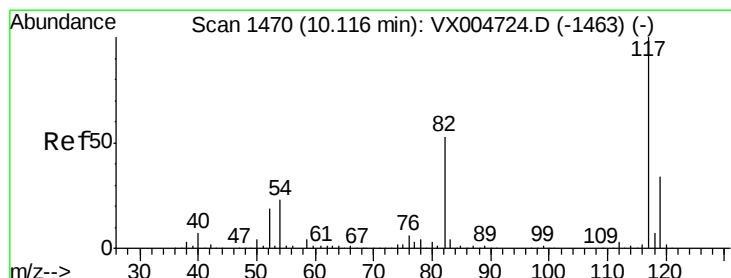
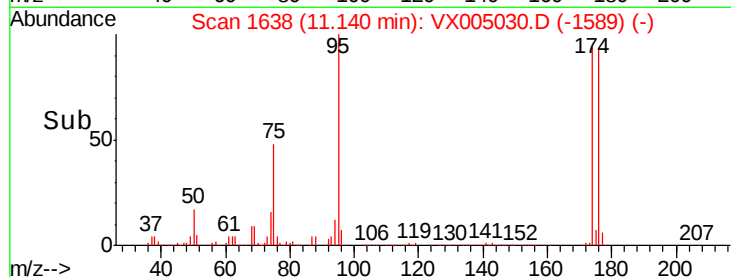
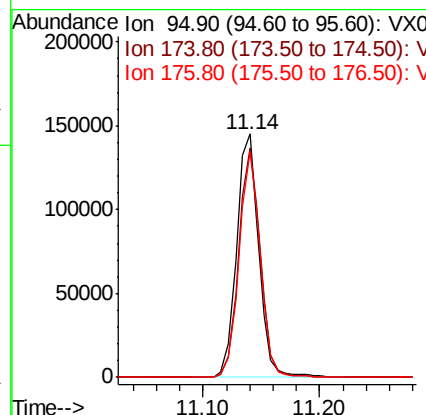
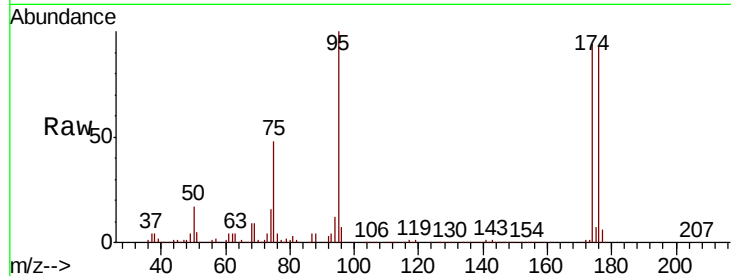




#62
4-Bromofluorobenzene
Concen: 52.433 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

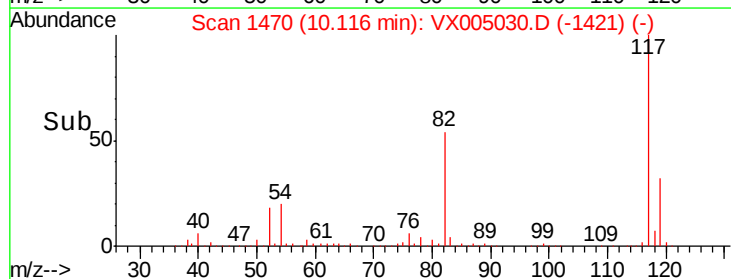
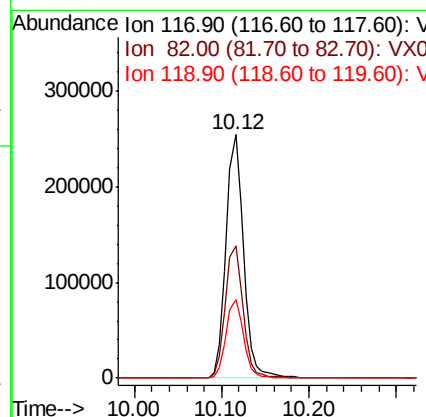
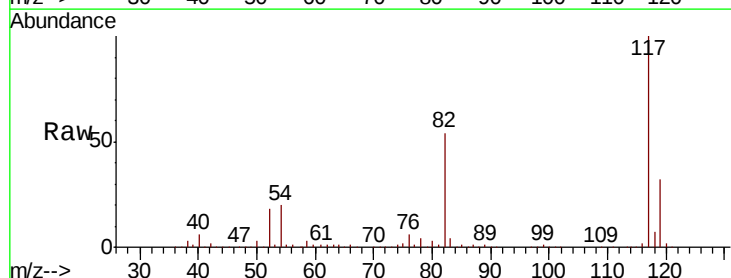
Instrument :
MSVOA_X
ClientSampleId :
SA-TW507-3337

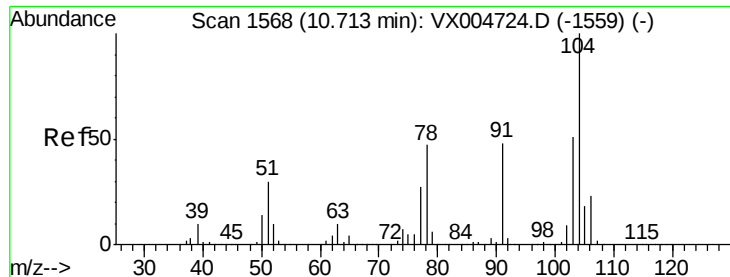
Tot Ion: 95 Resp: 192597
Ion Ratio Lower Upper
95 100
174 92.3 0.0 185.0
176 88.7 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Tgt Ion: 117 Resp: 353068
Ion Ratio Lower Upper
117 100
82 54.2 42.2 63.4
119 32.4 27.4 41.0

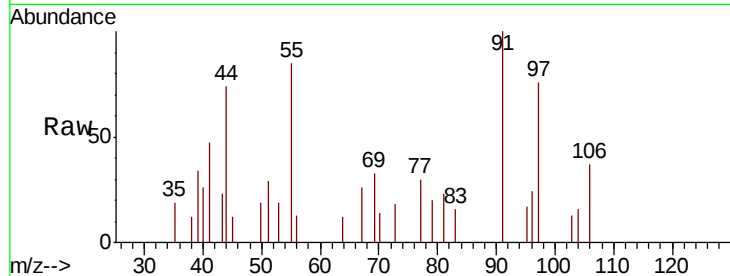




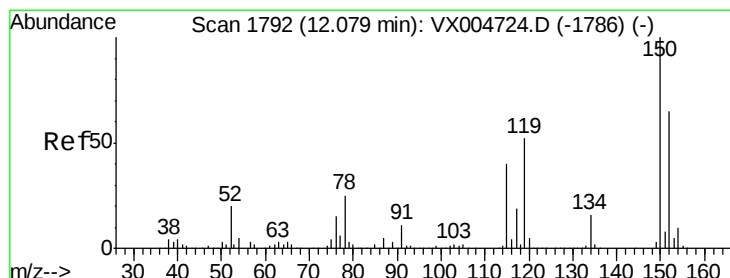
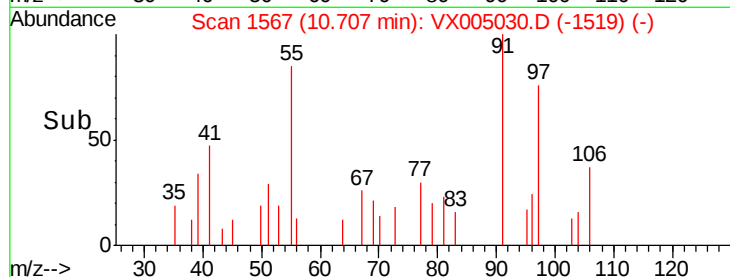
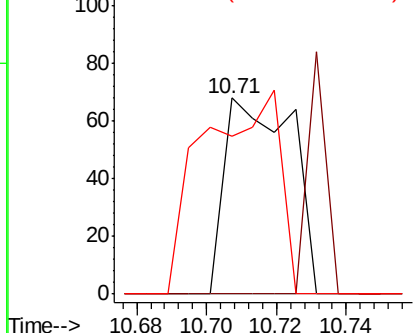
#70
Stvrene
Concen: 2.149 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Instrument :
MSVOA_X
ClientSampleId :
SA-TW507-3337

Tot Ion:104 Resp: 91
Ion Ratio Lower Upper
104 100
78 0.0 40.0 60.0#
103 117.6 44.3 66.5#

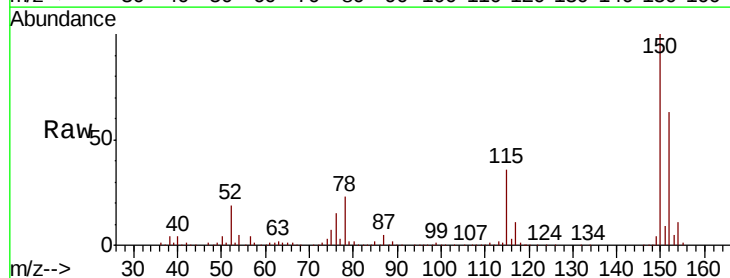


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

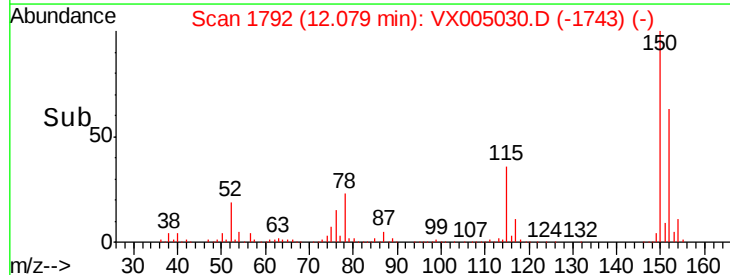
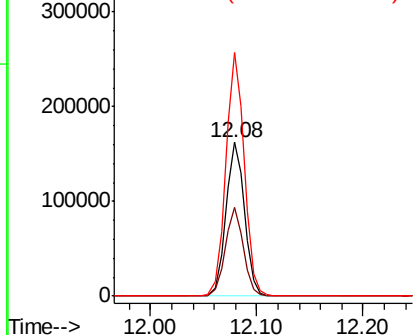


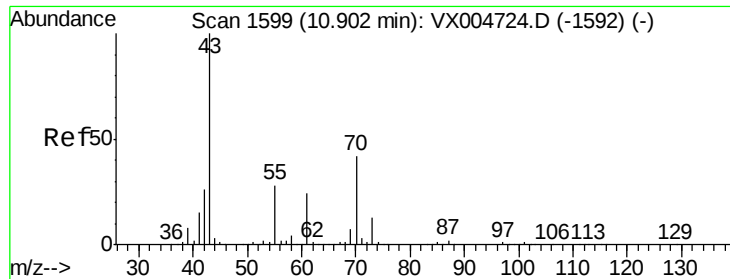
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Tgt Ion:152 Resp: 198275
Ion Ratio Lower Upper
152 100
115 55.7 40.2 120.6
150 156.8 0.0 351.0



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-amvl acetate

Concen: 1.759 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.04 min

Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

Instrument :

MSVOA_X

ClientSampleId :

SA-TW507-3337

Tot Ion: 43 Resp: 76

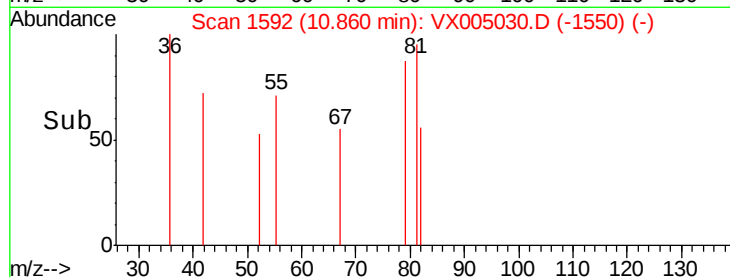
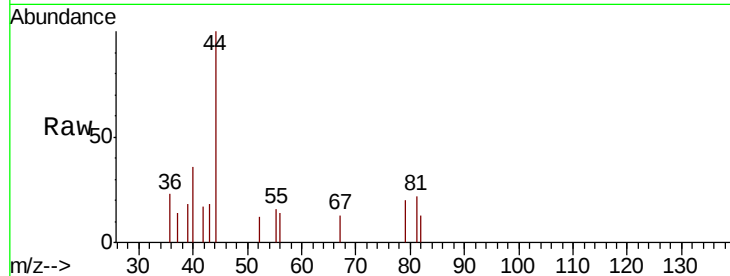
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 0.0 21.6 32.4#

61 0.0 19.1 28.7#



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

200

150

100

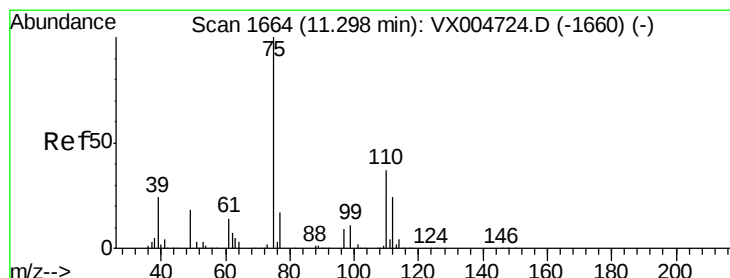
50

0

10.86

10.88

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.031 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005030.D

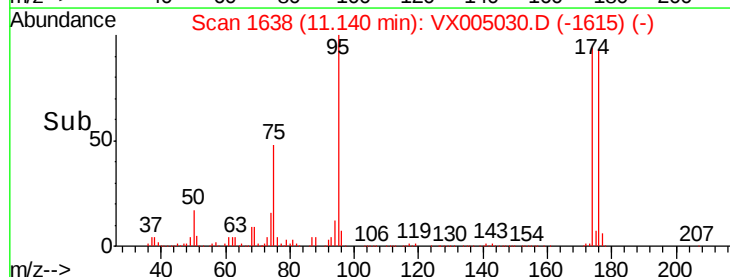
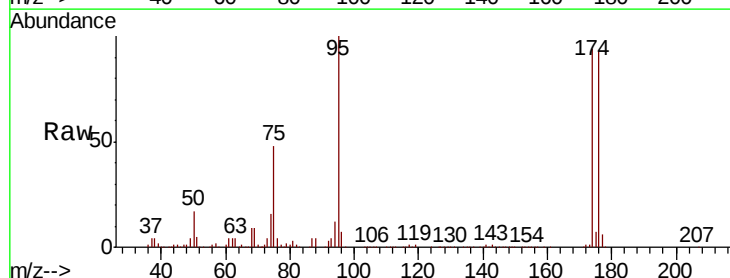
Acq: 04 Oct 2018 20:29

Tgt Ion: 75 Resp: 93465

Ion Ratio Lower Upper

75 100

77 1.5 21.4 64.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

80000

60000

40000

20000

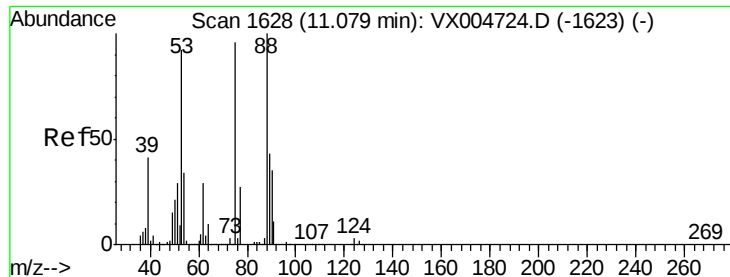
0

11.14

11.10

11.20

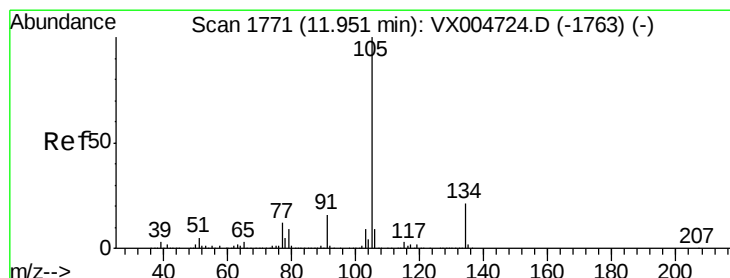
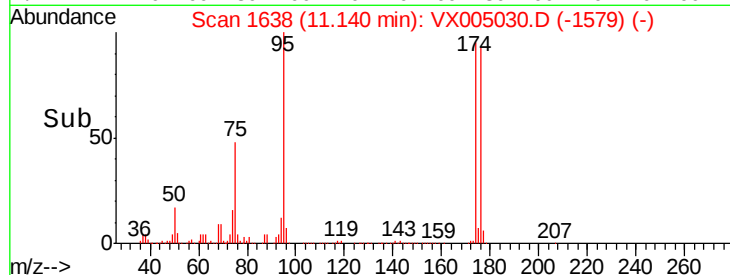
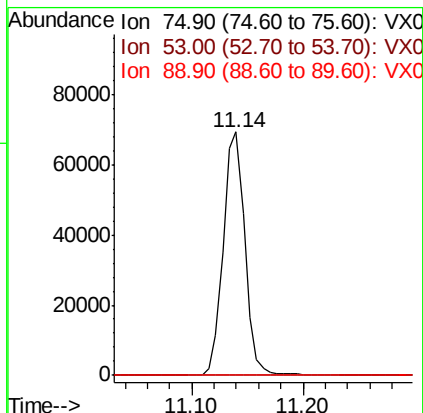
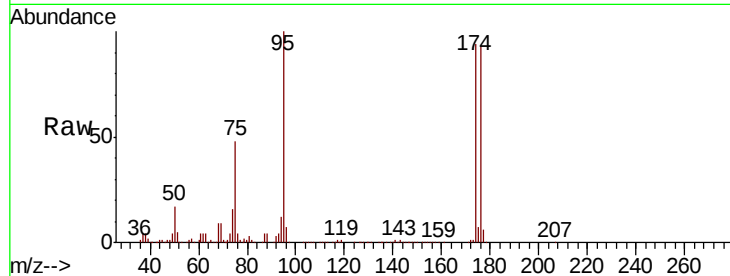
Time-->



#81
trans-1,4-Dichloro-2-butene
Concen: 57.068 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

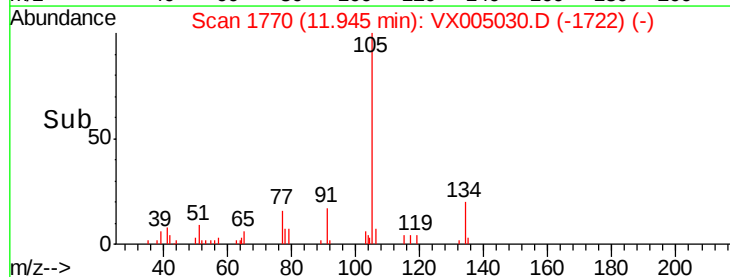
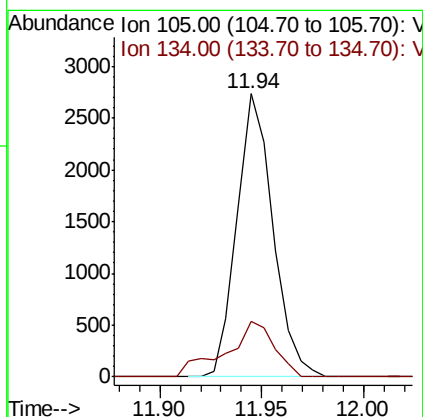
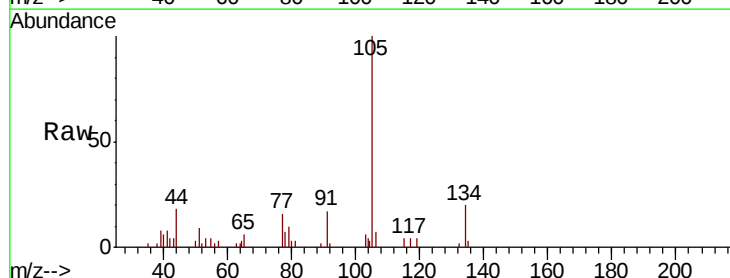
Instrument :
MSVOA_X
ClientSampleId :
SA-TW507-3337

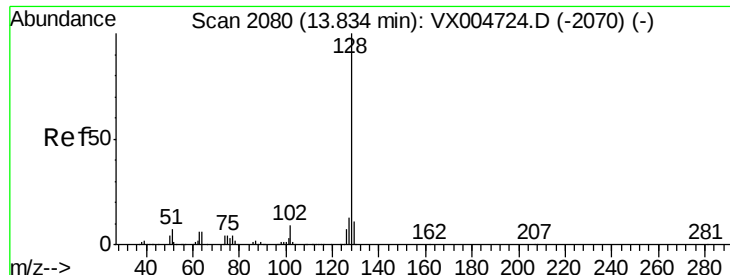
Tot Ion: 75 Resp: 93465
Ion Ratio Lower Upper
75 100
53 0.2 80.2 120.4#
89 0.0 37.1 55.7#



#85
sec-Butylbenzene
Concen: 0.267 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.01 min
Lab File: VX005030.D
Acq: 04 Oct 2018 20:29

Tgt Ion:105 Resp: 3352
Ion Ratio Lower Upper
105 100
134 26.4 10.2 30.4





#95

Naphthalene

Concen: 0.987 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005030.D

Acq: 04 Oct 2018 20:29

Instrument :

MSVOA_X

ClientSampleId :

SA-TW507-3337

Tot Ion:128 Resp: 4480

Ion Ratio Lower Upper

128 100

127 14.6 10.4 15.6

129 16.5 8.7 13.1#

