

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005035.D
 Acq On : 04 Oct 2018 22:43
 Operator : JC/MD
 Sample : J5207-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 05 03:25:17 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

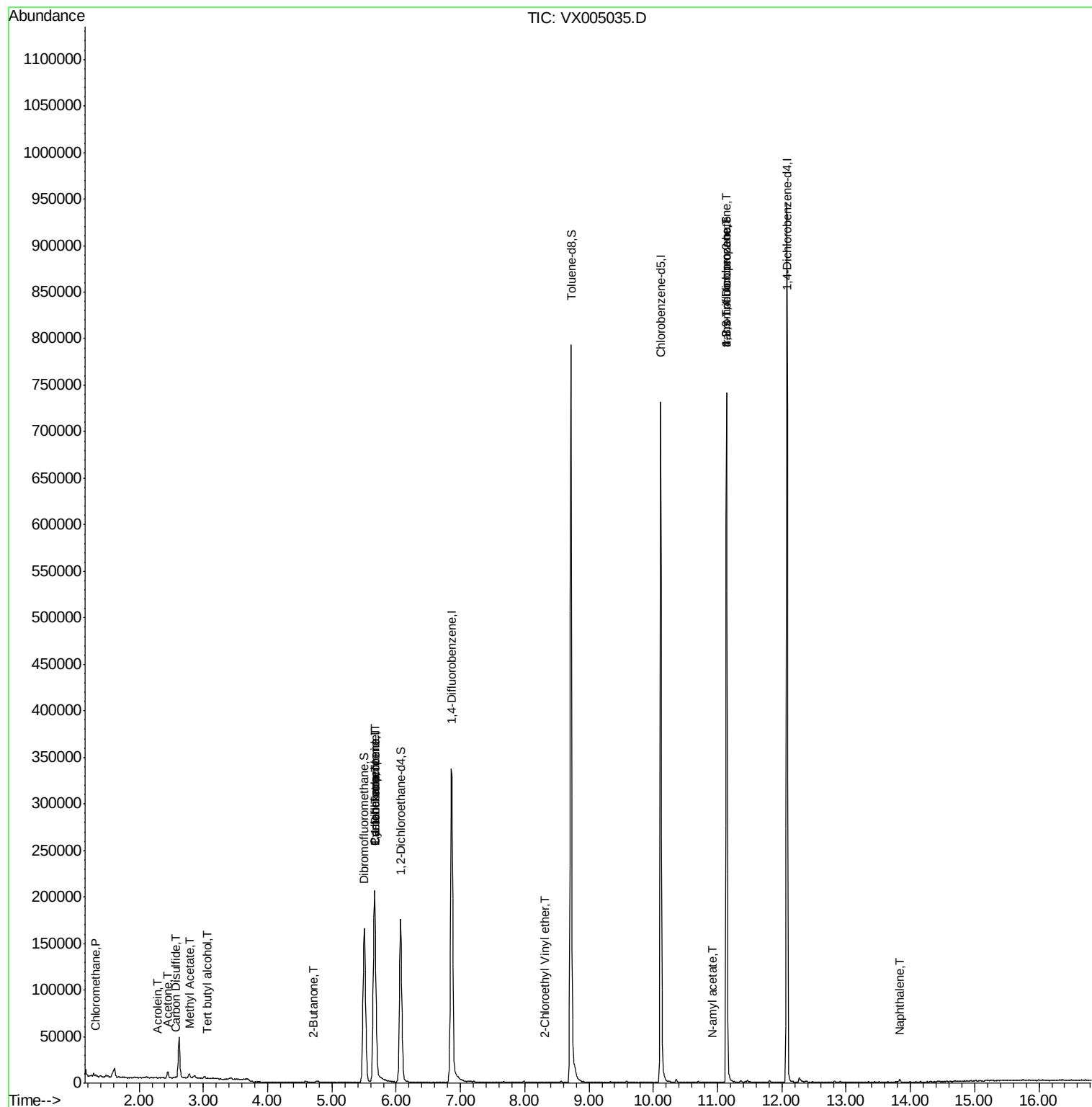
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	214357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	359634	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	351449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197461	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	167722	54.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.54%	
35) Dibromofluoromethane	5.50	113	141750	46.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.02%	
50) Toluene-d8	8.72	98	520550	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	11.14	95	187588	51.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.78%	
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	1020	0.288	ug/l #	88
6) Chloroethane	1.72	64	122	Below Cal	#	45
11) Tert butyl alcohol	3.07	59	340	0.397	ug/l #	87
13) Acrolein	2.29	56	157	0.258	ug/l #	76
16) Acetone	2.45	43	7458	4.172	ug/l	92
17) Carbon Disulfide	2.57	76	1926	0.276	ug/l #	82
18) Methyl Acetate	2.78	43	5869	1.296	ug/l	93
20) Methylene Chloride	2.86	84	1168	Below Cal	#	78
25) 2-Butanone	4.71	43	927	0.352	ug/l #	83
31) Cyclohexane	5.67	56	4109	1.055	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14953	3.596	ug/l #	47
38) Carbon Tetrachloride	5.67	117	19468	4.454	ug/l #	17
58) 2-Chloroethyl Vinyl ether	8.31	63	19	14.249	ug/l #	49
74) N-amyl acetate	10.92	43	51	1.755	ug/l #	24
76) 1,2,3-Trichloropropane	11.14	75	92094	20.808	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.50	105	297	Below Cal		94
81) trans-1,4-Dichloro-2-buten	11.14	75	92094	56.484	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	1032	Below Cal		93
95) Naphthalene	13.84	128	1696	0.821	ug/l	96

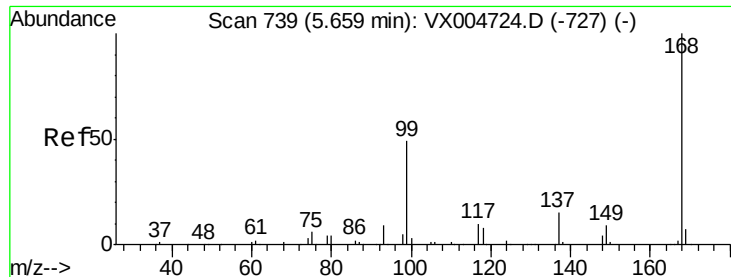
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005035.D

Acq: 04 Oct 2018 22:43

Instrument :

MSVOA_X

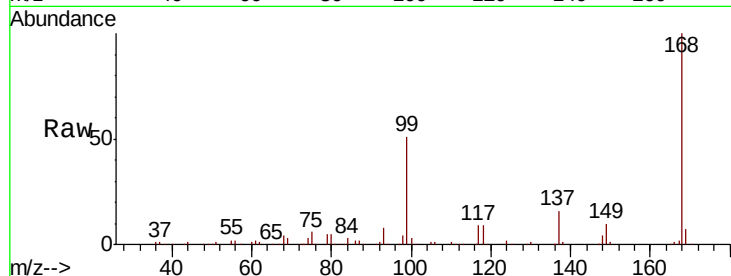
ClientSampleId :

Tot Ion:168 Resp: 214357

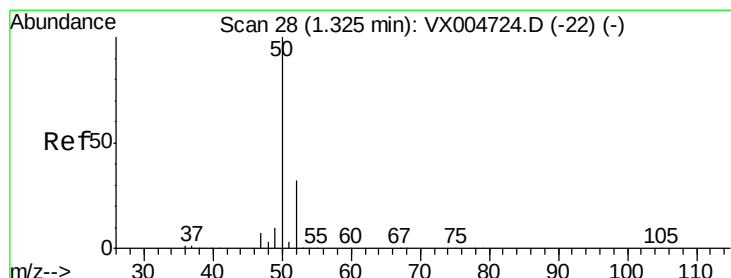
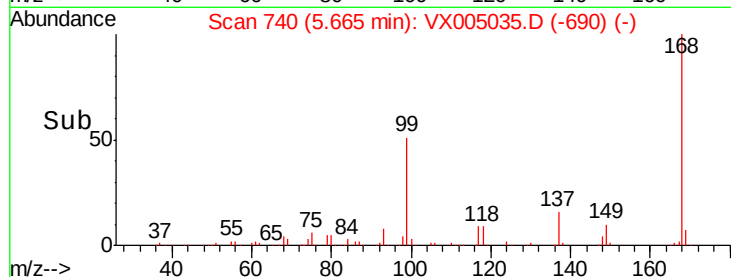
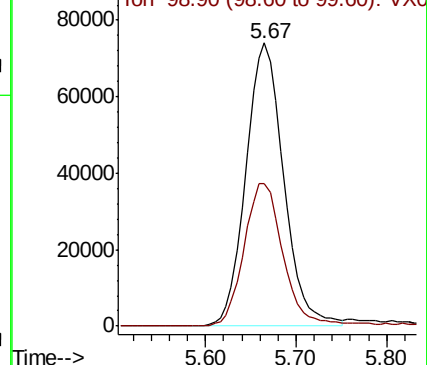
Ion Ratio Lower Upper

168 100

99 50.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): VX004724.D (-727) (-)



#3

Chloromethane

Concen: 0.288 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005035.D

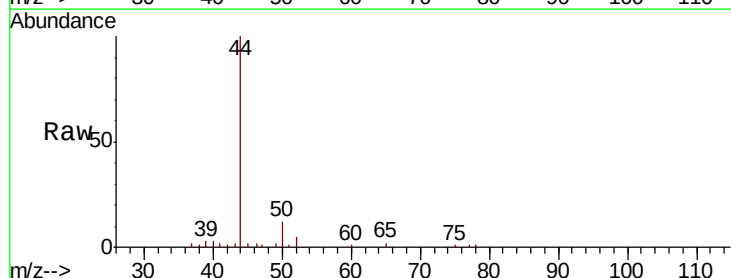
Acq: 04 Oct 2018 22:43

Tgt Ion: 50 Resp: 1020

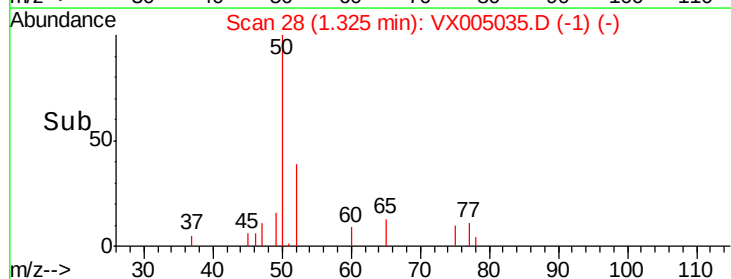
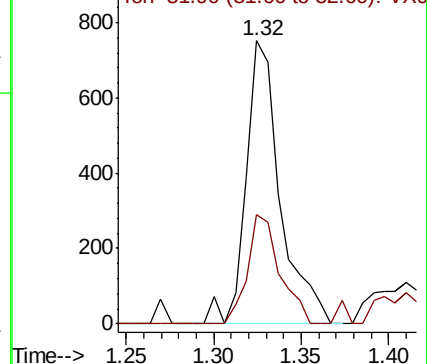
Ion Ratio Lower Upper

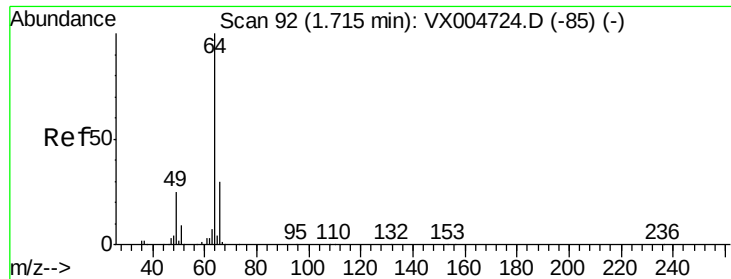
50 100

52 38.7 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VX004724.D (-22) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005035.D

Acq: 04 Oct 2018 22:43

Instrument :

MSVOA_X

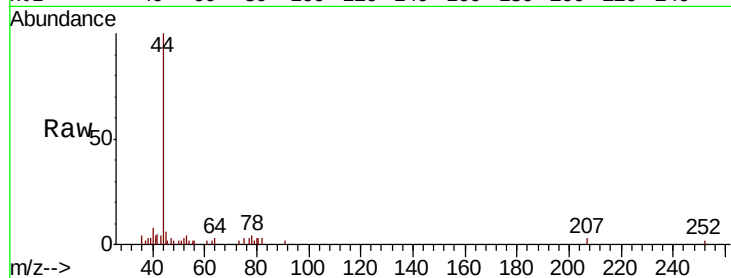
ClientSampled :

Tot Ion: 64 Resp: 122

Ion Ratio Lower Upper

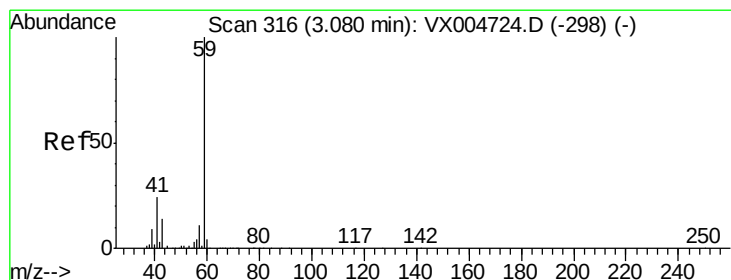
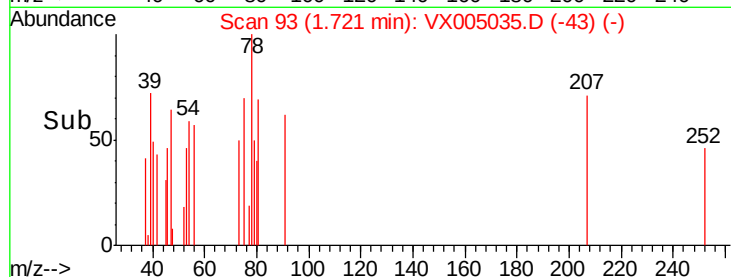
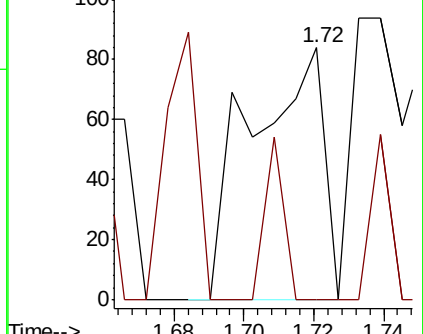
64 100

66 0.0 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.397 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX005035.D

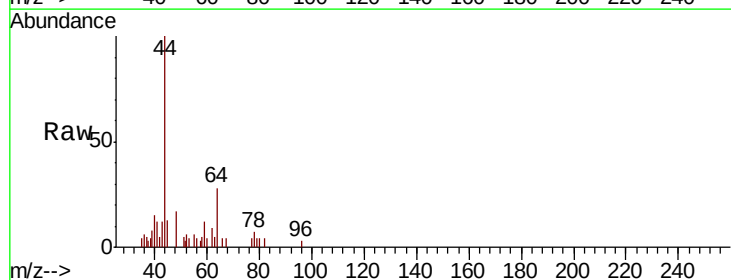
Acq: 04 Oct 2018 22:43

Tgt Ion: 59 Resp: 340

Ion Ratio Lower Upper

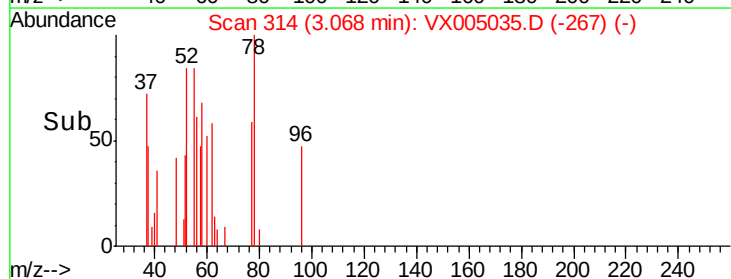
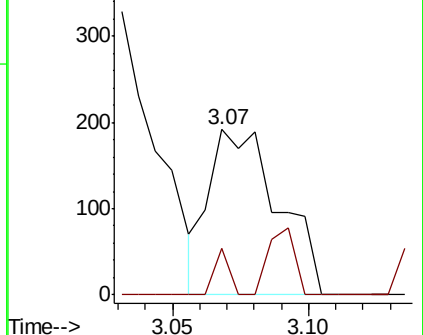
59 100

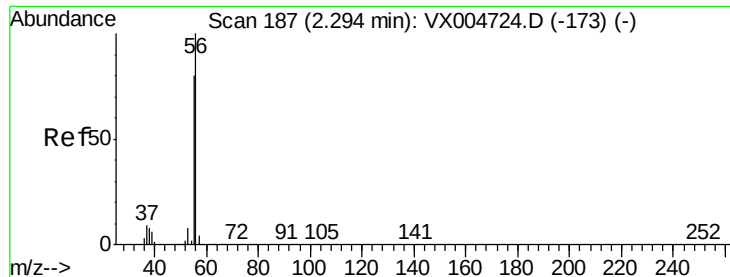
57 5.9 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.258 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005035.D

Acq: 04 Oct 2018 22:43

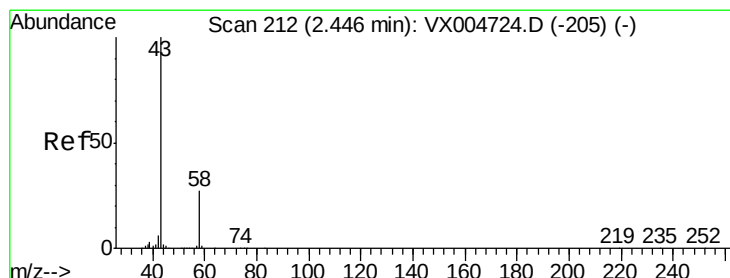
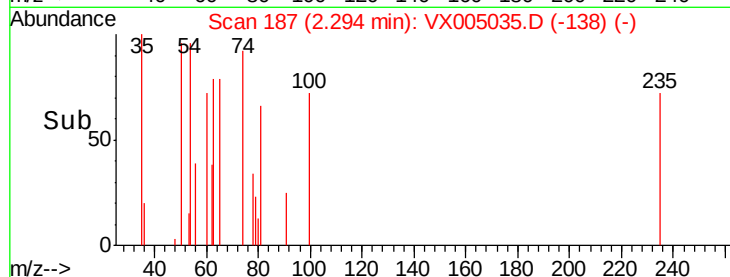
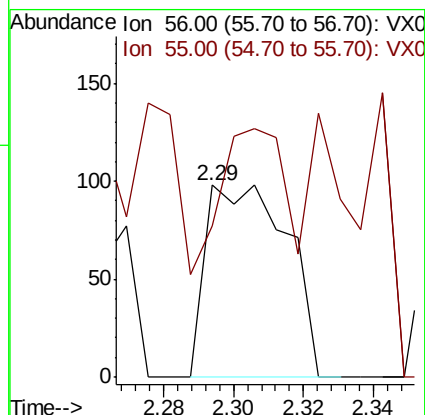
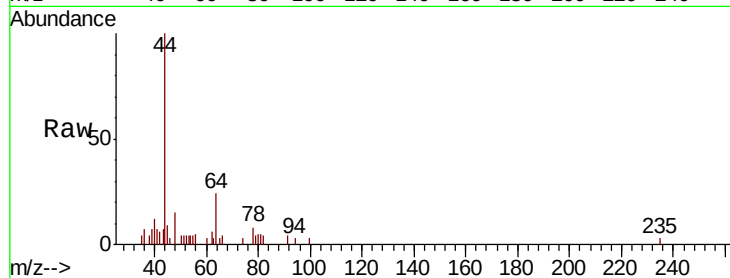
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 157

Ion Ratio Lower Upper

56 100

55 58.6 63.4 95.2#



#16

Acetone

Concen: 4.172 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005035.D

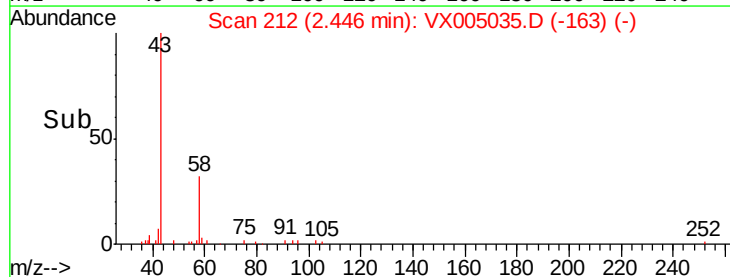
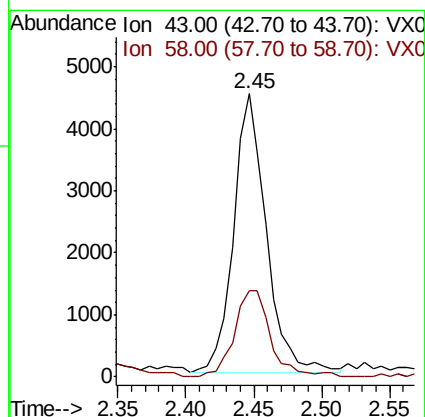
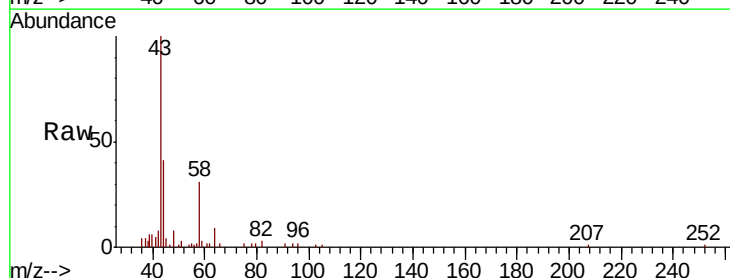
Acq: 04 Oct 2018 22:43

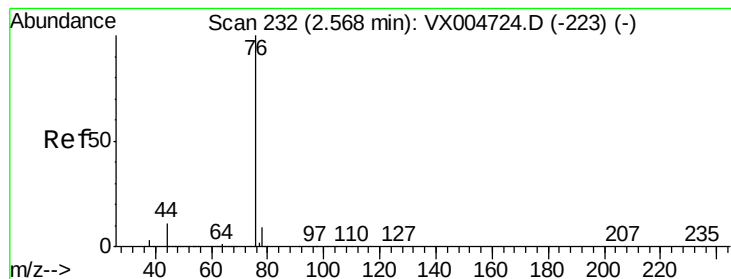
Tgt Ion: 43 Resp: 7458

Ion Ratio Lower Upper

43 100

58 31.2 21.8 32.6





#17

Carbon Disulfide

Concen: 0.276 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005035.D

Acq: 04 Oct 2018 22:43

Instrument :

MSVOA_X

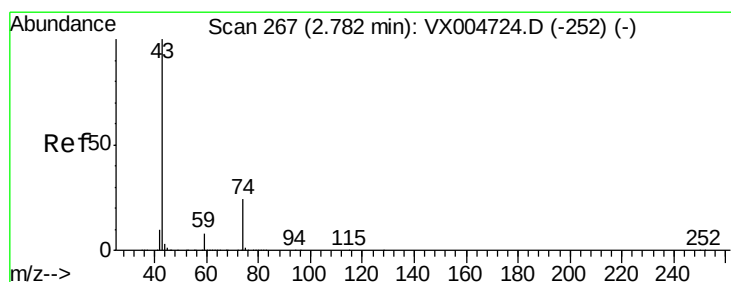
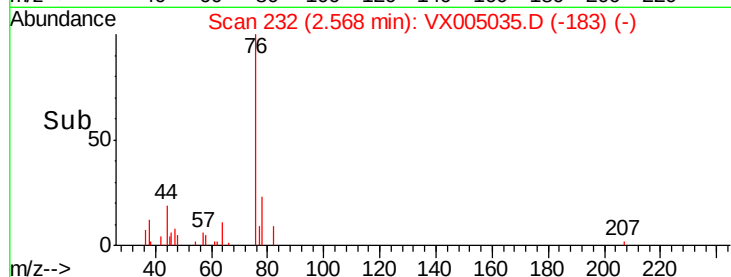
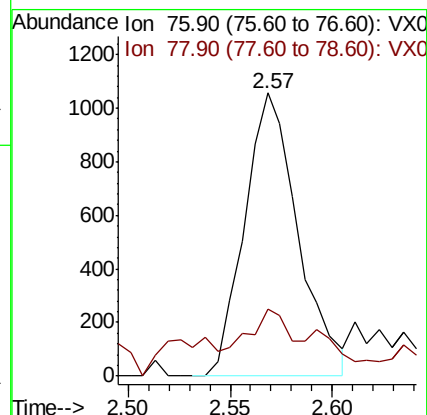
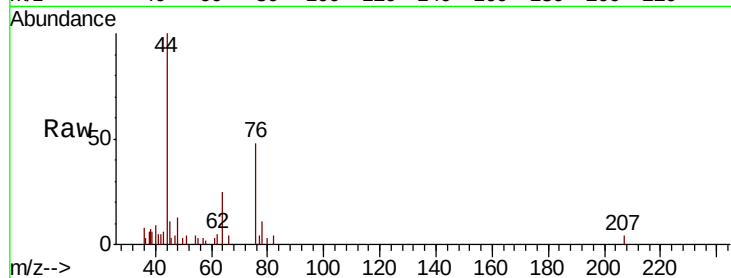
ClientSampled :

Tot Ion: 76 Resp: 1926

Ion Ratio Lower Upper

76 100

78 15.4 7.0 10.6#



#18

Methyl Acetate

Concen: 1.296 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005035.D

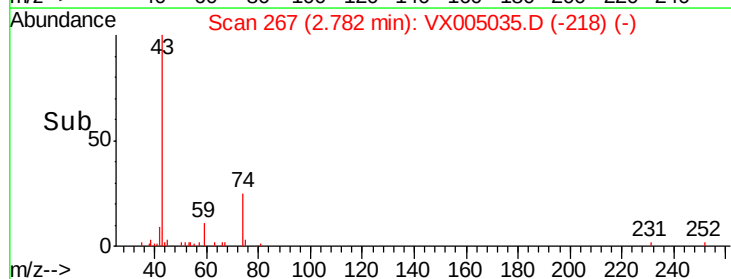
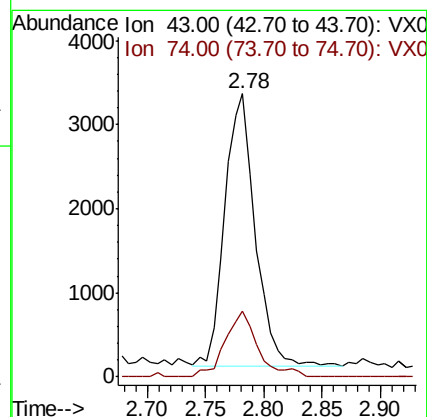
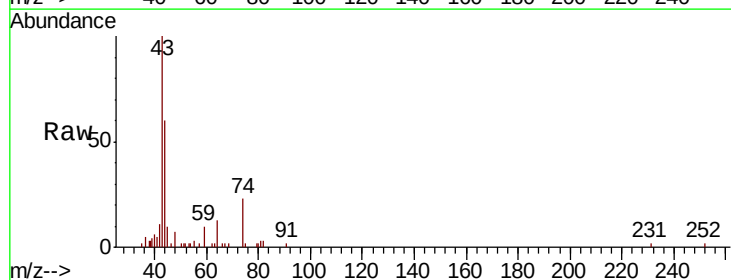
Acq: 04 Oct 2018 22:43

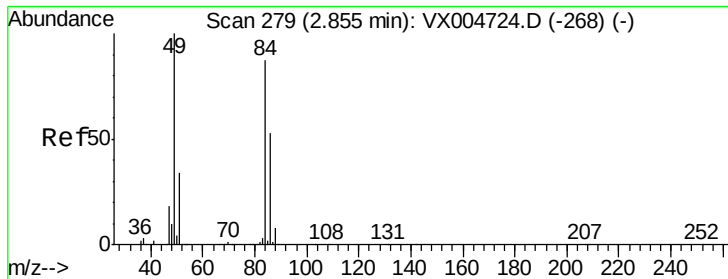
Tgt Ion: 43 Resp: 5869

Ion Ratio Lower Upper

43 100

74 25.8 17.8 26.8

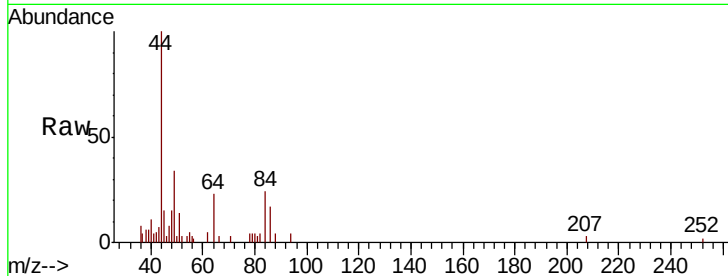




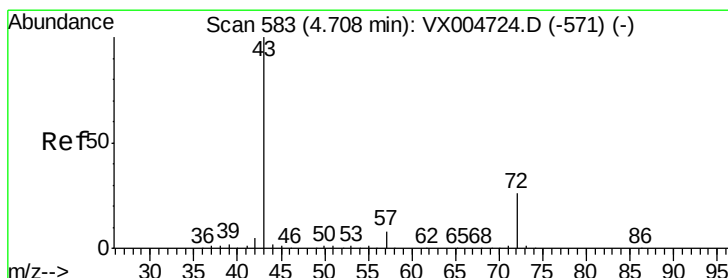
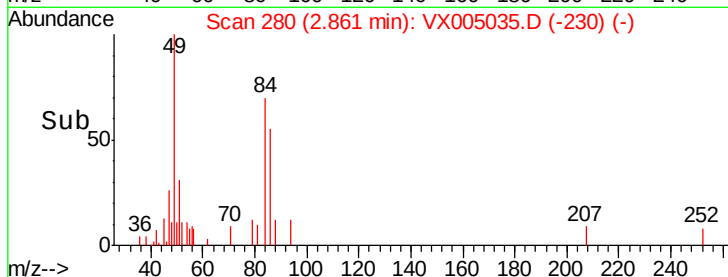
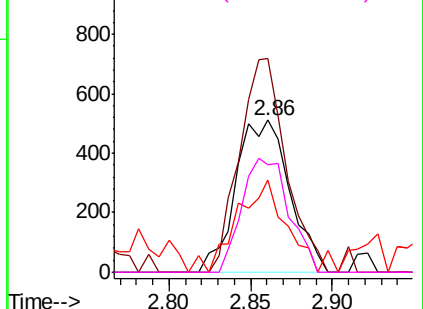
#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005035.D
Acq: 04 Oct 2018 22:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 84 Resp: 1168
Ion Ratio Lower Upper
84 100
49 140.5 92.3 138.5#
51 60.3 31.8 47.6#
86 70.5 48.5 72.7

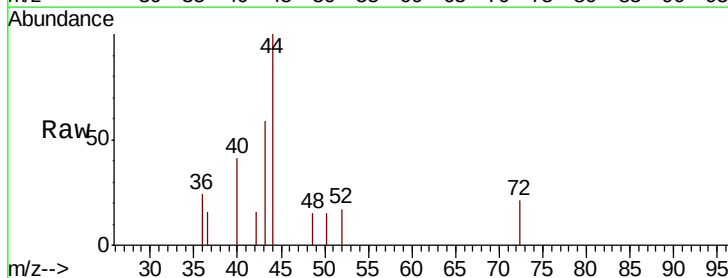


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

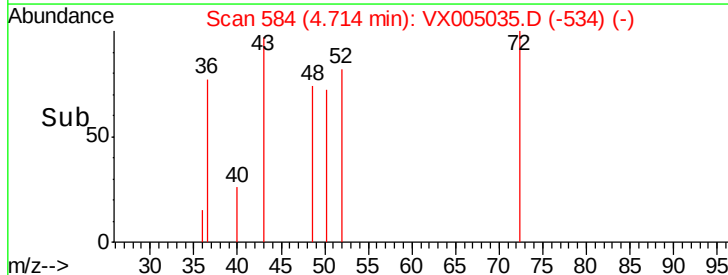
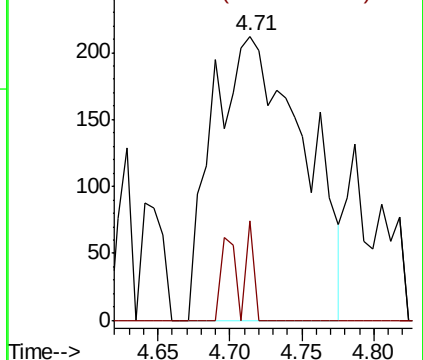


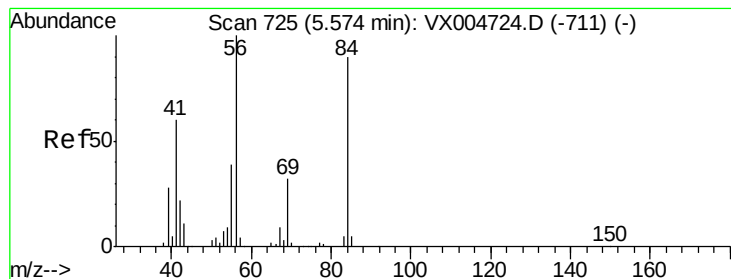
#25
2-Butanone
Concen: 0.352 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX005035.D
Acq: 04 Oct 2018 22:43

Tgt Ion: 43 Resp: 927
Ion Ratio Lower Upper
43 100
72 34.9 20.8 31.2#



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





#31

Cyclohexane

Concen: 1.055 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005035.D

Acq: 04 Oct 2018 22:43

Instrument :

MSVOA_X

ClientSampled :

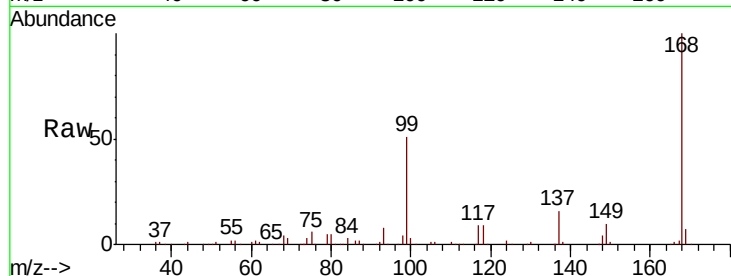
Tot Ion: 56 Resp: 4109

Ion Ratio Lower Upper

56 100

69 173.3 25.9 38.9#

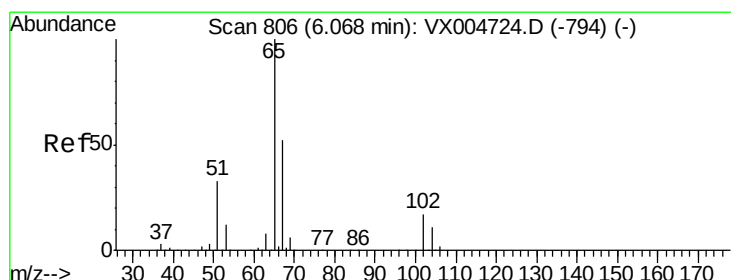
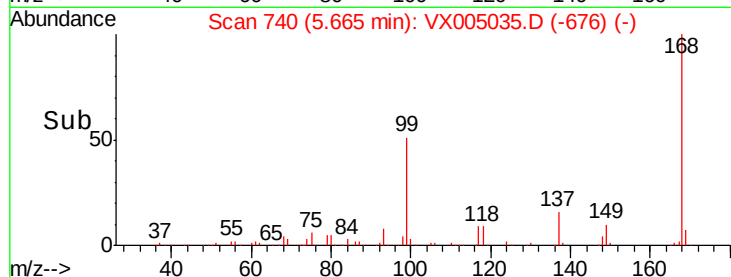
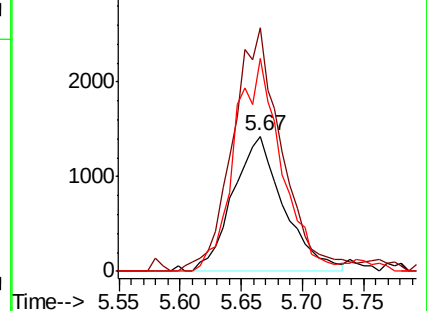
84 157.9 71.9 107.9#



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: 54.774 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005035.D

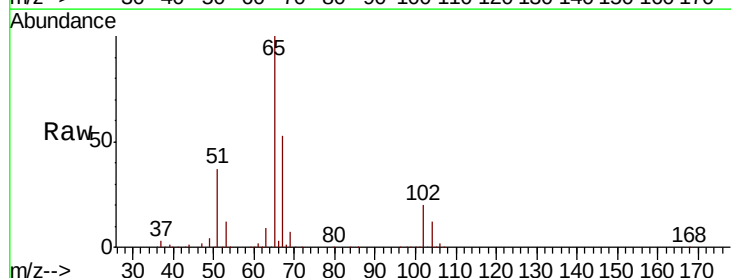
Acq: 04 Oct 2018 22:43

Tgt Ion: 65 Resp: 167722

Ion Ratio Lower Upper

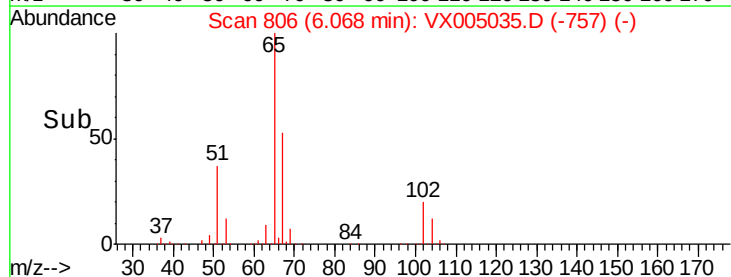
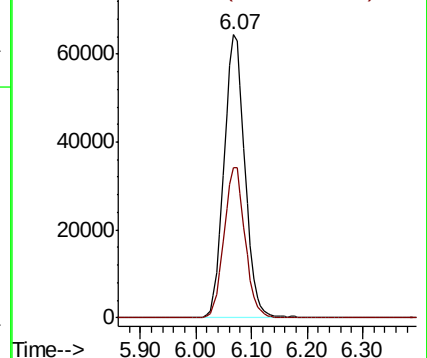
65 100

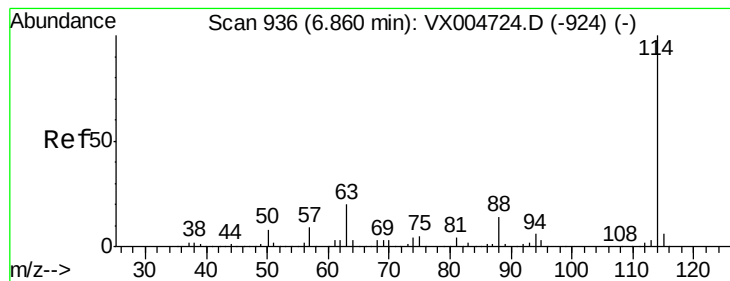
67 53.2 0.0 107.4



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: VX005035.D

Acq: 04 Oct 2018 22:43

Instrument :

MSVOA_X

ClientSampleId :

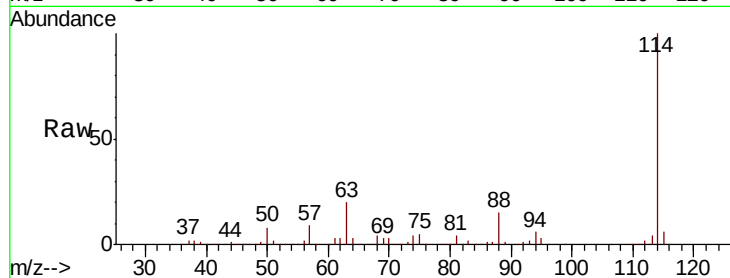
Tot Ion:114 Resp: 359634

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

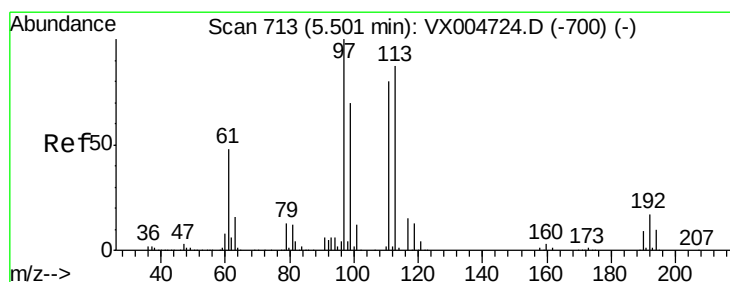
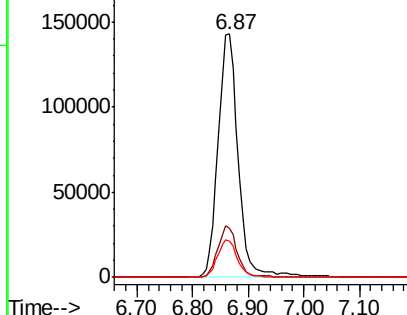
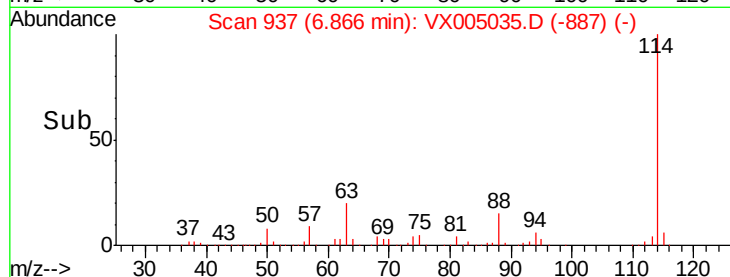
88 15.0 0.0 27.0



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: 46.507 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005035.D

Acq: 04 Oct 2018 22:43

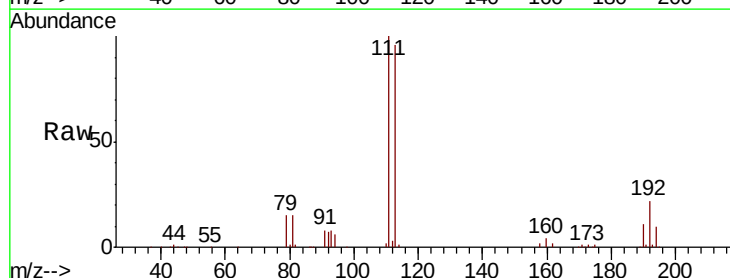
Tgt Ion:113 Resp: 141750

Ion Ratio Lower Upper

113 100

111 102.7 77.0 115.4

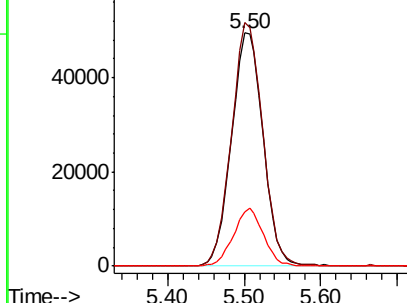
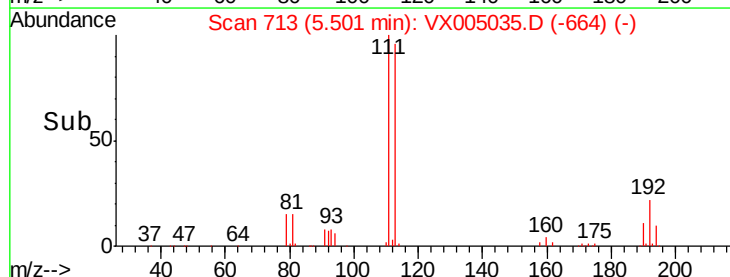
192 23.5 17.0 25.6

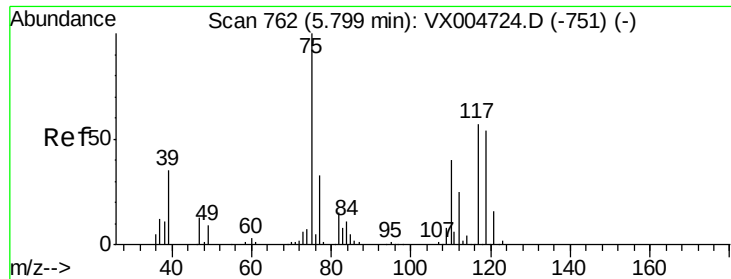


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

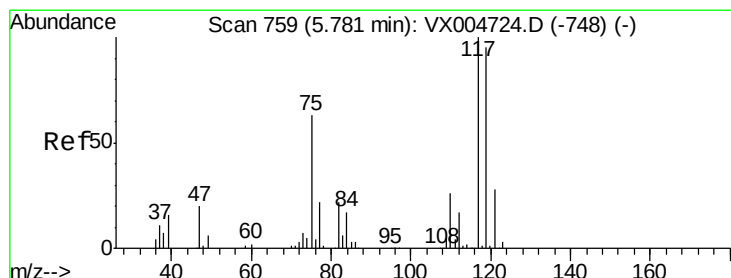
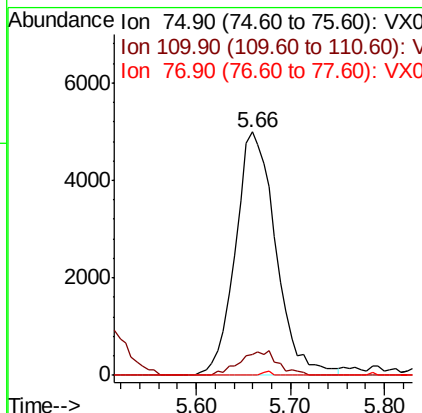
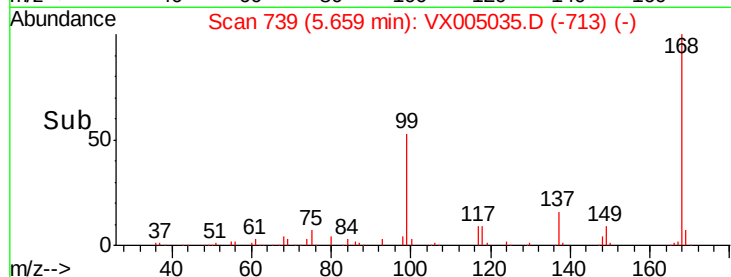
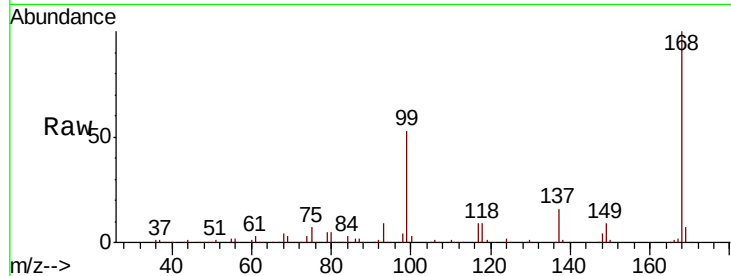




#36
 1,1-Dichloropropene
 Concen: 3.596 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005035.D
 Acq: 04 Oct 2018 22:43

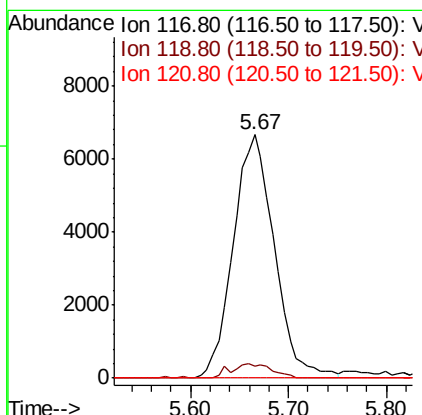
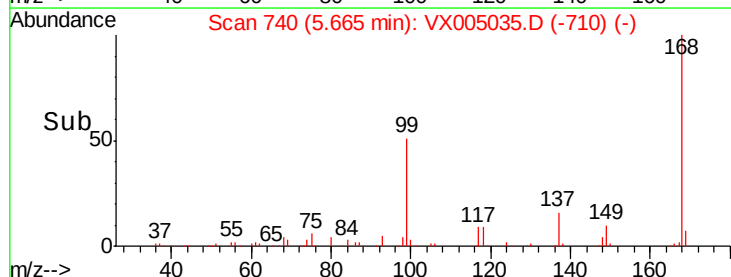
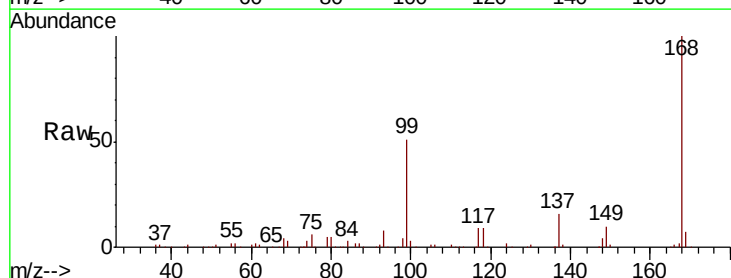
Instrument :
 MSVOA_X
 ClientSampleId :

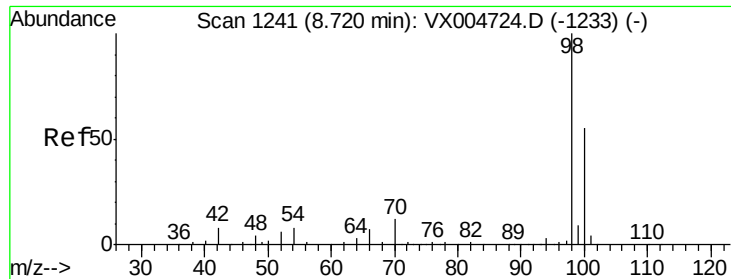
Tot Ion: 75 Resp: 14953
 Ion Ratio Lower Upper
 75 100
 110 9.6 20.0 59.9#
 77 0.4 27.1 40.7#



#38
 Carbon Tetrachloride
 Concen: 4.454 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005035.D
 Acq: 04 Oct 2018 22:43

Tgt Ion: 117 Resp: 19468
 Ion Ratio Lower Upper
 117 100
 119 5.1 75.2 112.8#
 121 0.0 22.5 33.7#





#50

Toluene-d8

Concen: 51.372 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX005035.D

Acq: 04 Oct 2018 22:43

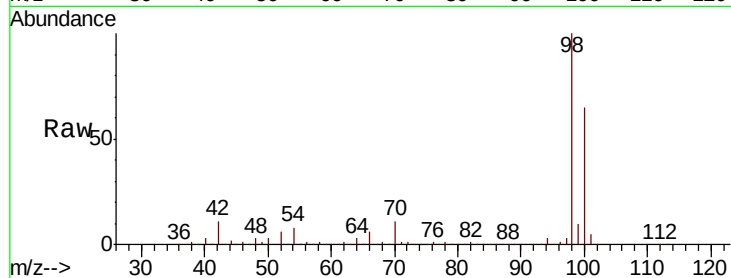
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 520550

Ion Ratio Lower Upper

98 100

100 63.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX004724.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX004724.D (-1233) (-)

8.72

300000

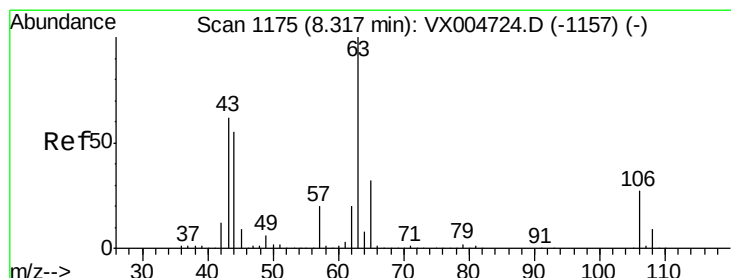
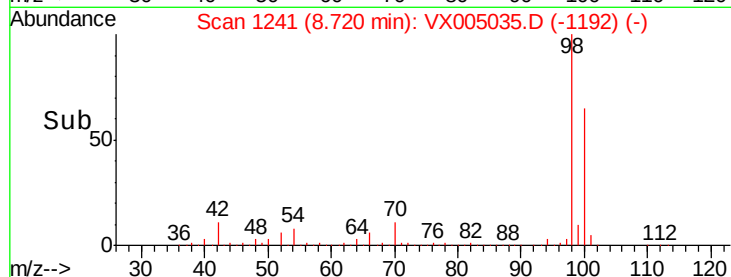
200000

100000

0

8.60 8.80 9.00

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 14.249 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005035.D

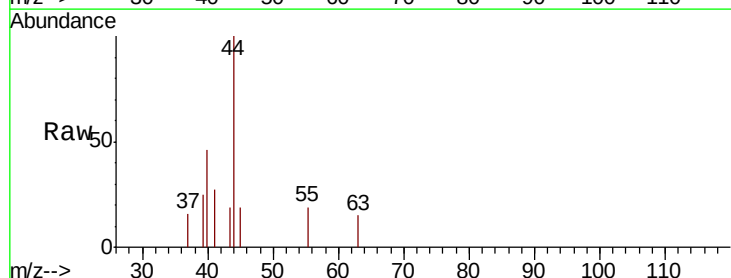
Acq: 04 Oct 2018 22:43

Tgt Ion: 63 Resp: 19

Ion Ratio Lower Upper

63 100

106 0.0 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VX004724.D (-1157) (-)

Ion 105.90 (105.60 to 106.60): VX004724.D (-1157) (-)

8.31

60

50

40

30

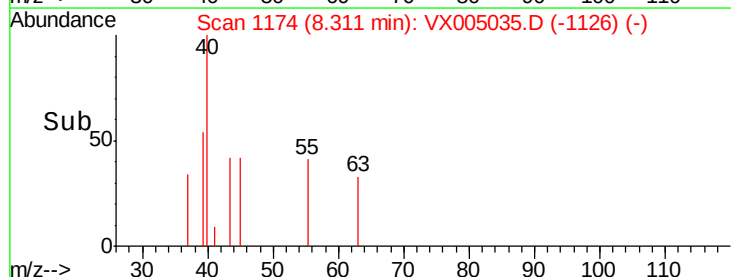
20

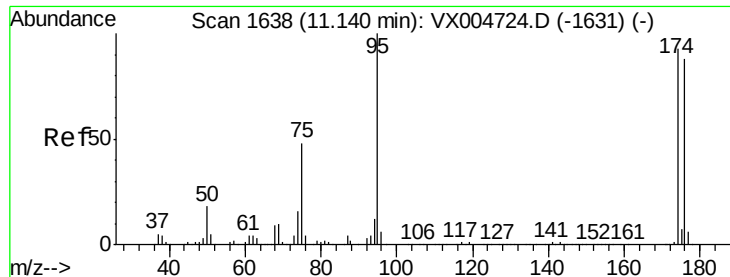
10

0

8.29 8.30 8.31 8.32 8.33

Time-->

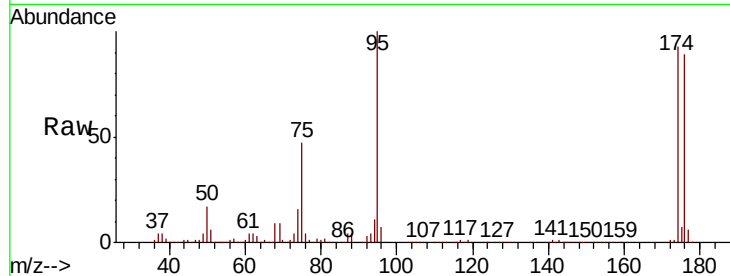




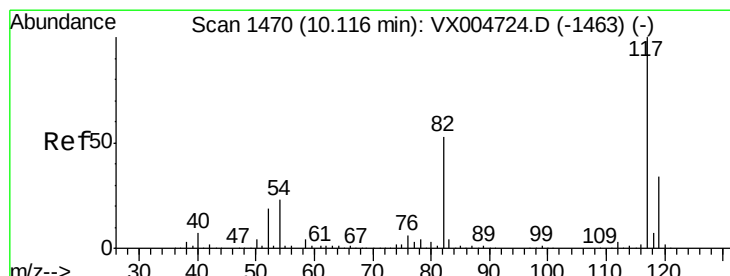
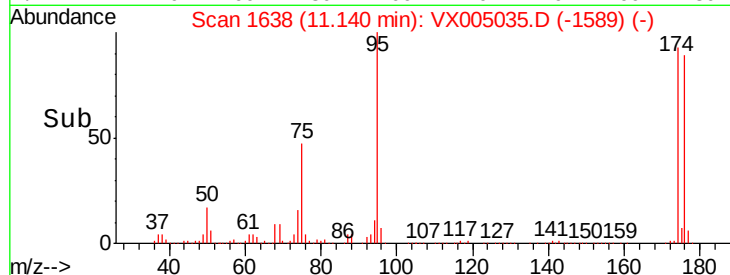
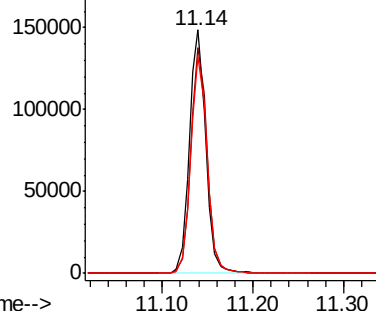
#62
4-Bromofluorobenzene
Concen: 51.388 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005035.D
Acq: 04 Oct 2018 22:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 187588
Ion Ratio Lower Upper
95 100
174 92.5 0.0 185.0
176 89.1 0.0 180.2

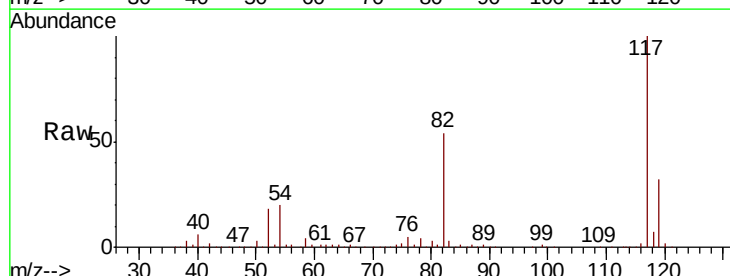


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

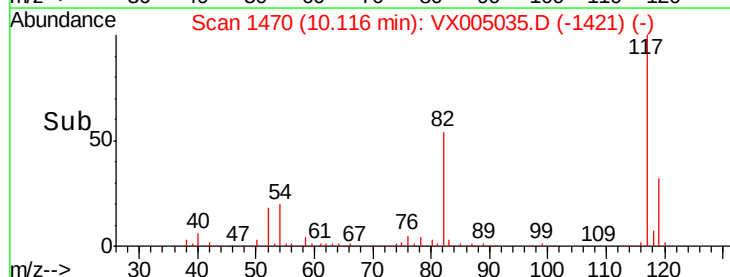
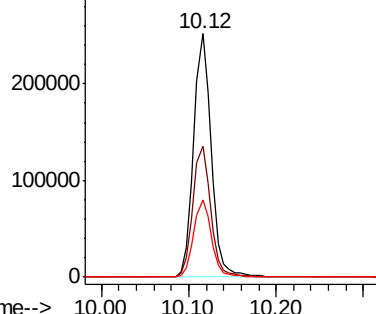


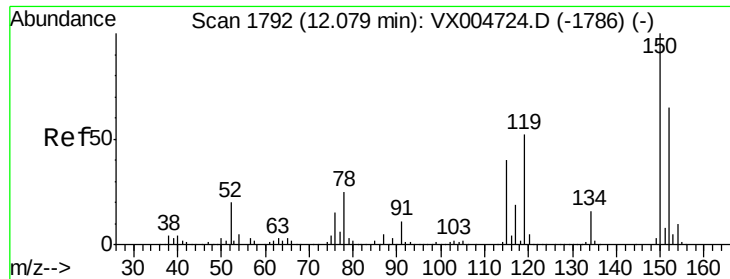
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005035.D
Acq: 04 Oct 2018 22:43

Tgt Ion: 117 Resp: 351449
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 31.8 27.4 41.0



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



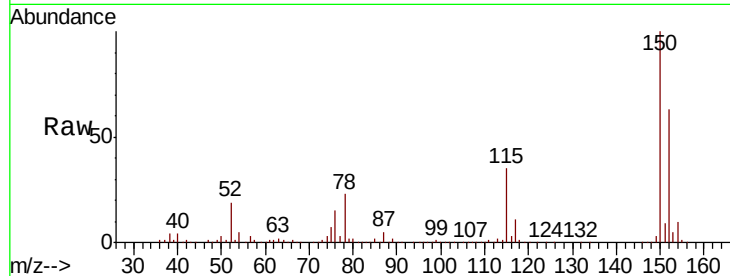


#72

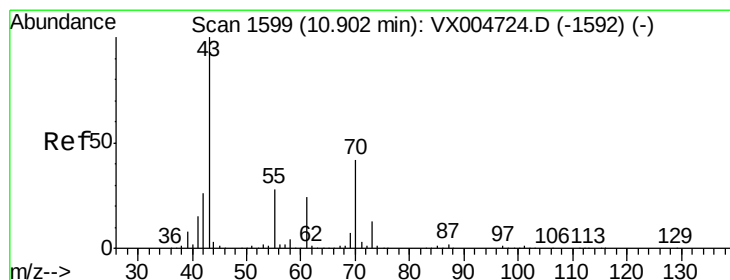
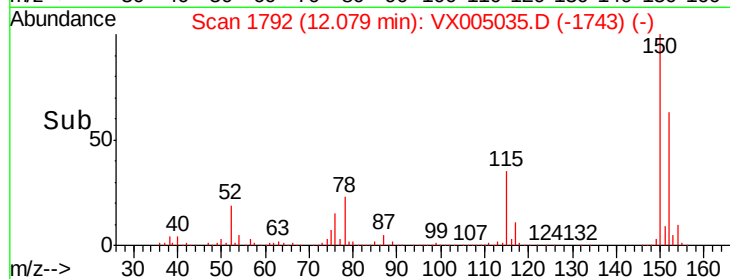
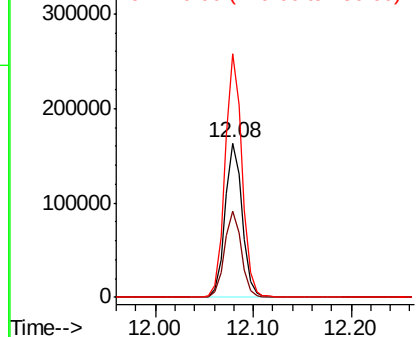
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005035.D
Acq: 04 Oct 2018 22:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 197461
Ion Ratio Lower Upper
152 100
115 55.2 40.2 120.6
150 155.9 0.0 351.0



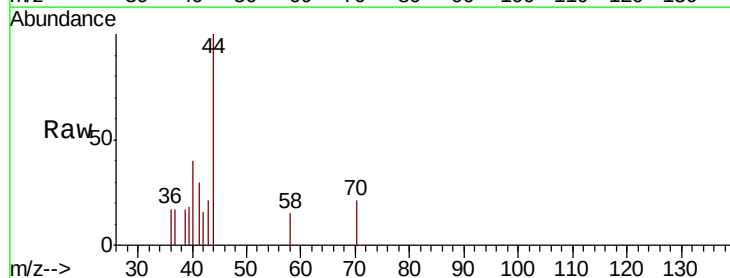
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



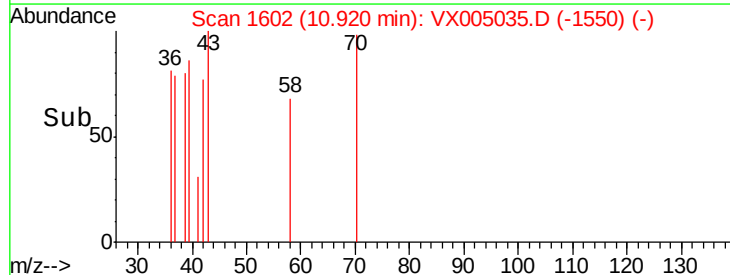
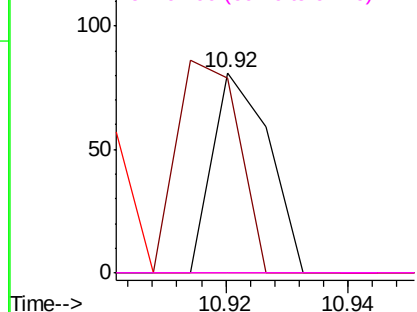
#74

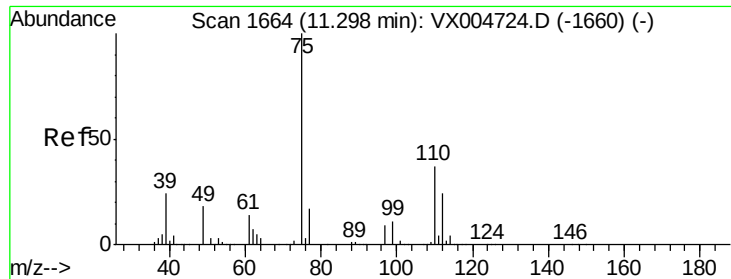
N-ethyl acetate
Concen: 1.755 ug/l
RT: 10.92 min Scan# 1602
Delta R.T. 0.02 min
Lab File: VX005035.D
Acq: 04 Oct 2018 22:43

Tgt Ion: 43 Resp: 51
Ion Ratio Lower Upper
43 100
70 117.6 32.6 48.8#
55 41.2 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





#76

1,2,3-Trichloropropane

Concen: 20.808 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005035.D

Acq: 04 Oct 2018 22:43

Instrument :

MSVOA_X

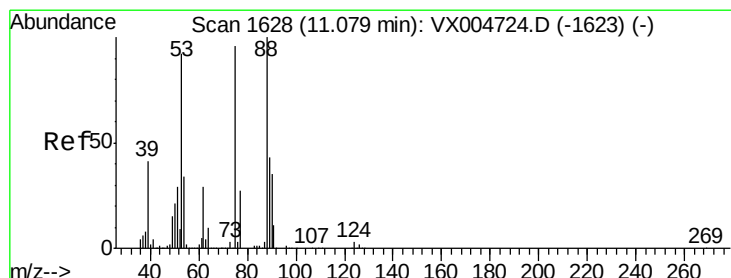
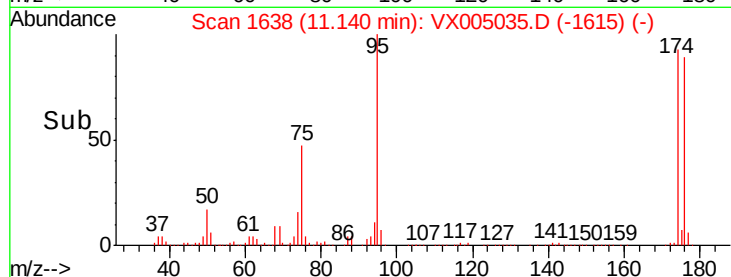
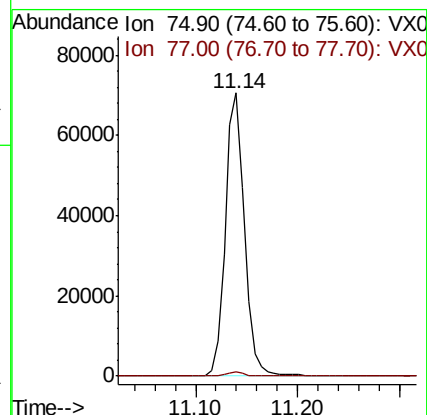
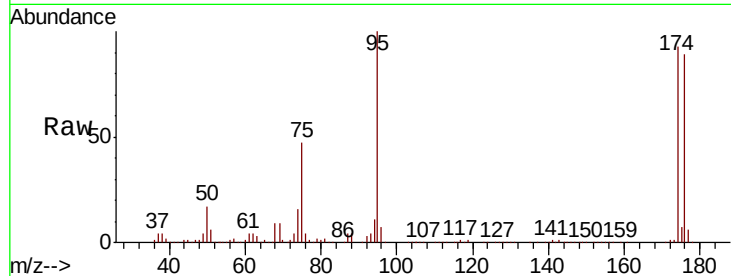
ClientSampleId :

Tot Ion: 75 Resp: 92094

Ion Ratio Lower Upper

75 100

77 1.5 21.4 64.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.484 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005035.D

Acq: 04 Oct 2018 22:43

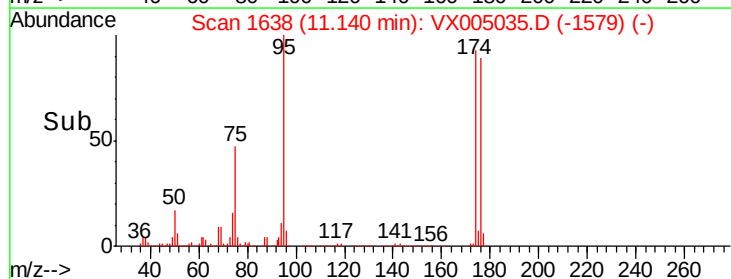
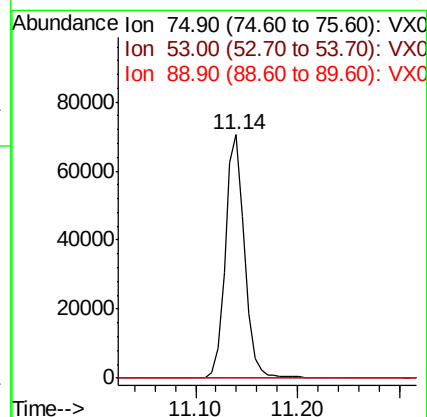
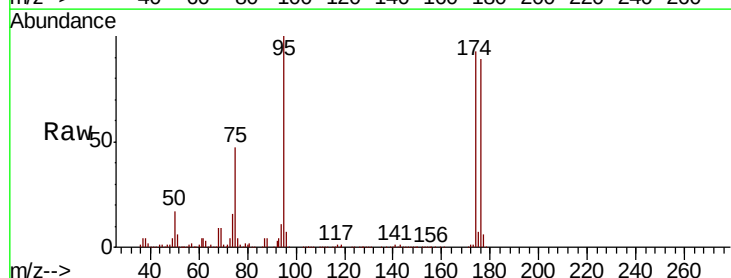
Tgt Ion: 75 Resp: 92094

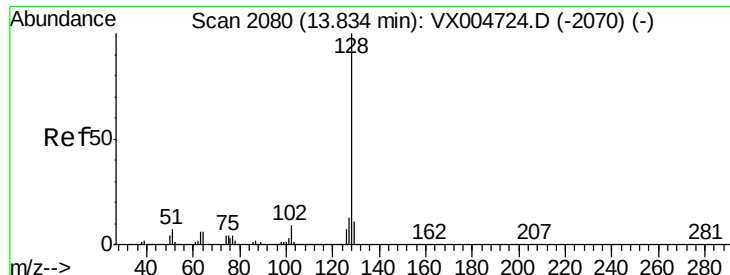
Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.4#

89 0.0 37.1 55.7#





#95
Naphthalene
Concen: 0.821 ug/l
RT: 13.84 min Scan# 2081
Delta R.T. 0.01 min
Lab File: VX005035.D
Acq: 04 Oct 2018 22:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 1696
Ion Ratio Lower Upper
128 100
127 14.4 10.4 15.6
129 12.5 8.7 13.1

