

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111318\
 Data File : VX005964.D
 Acq On : 13 Nov 2018 22:07
 Operator : JC/MD
 Sample : J5934-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-TB-2018-4

Quant Time: Nov 14 03:30:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	96480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	134091	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	122953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	59832	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	63696	57.43	ug/l	0.00
Spiked Amount			Recovery	=	114.86%	
35) Dibromofluoromethane	5.51	113	47076	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
50) Toluene-d8	8.72	98	162016	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	
62) 4-Bromofluorobenzene	11.14	95	54709	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	

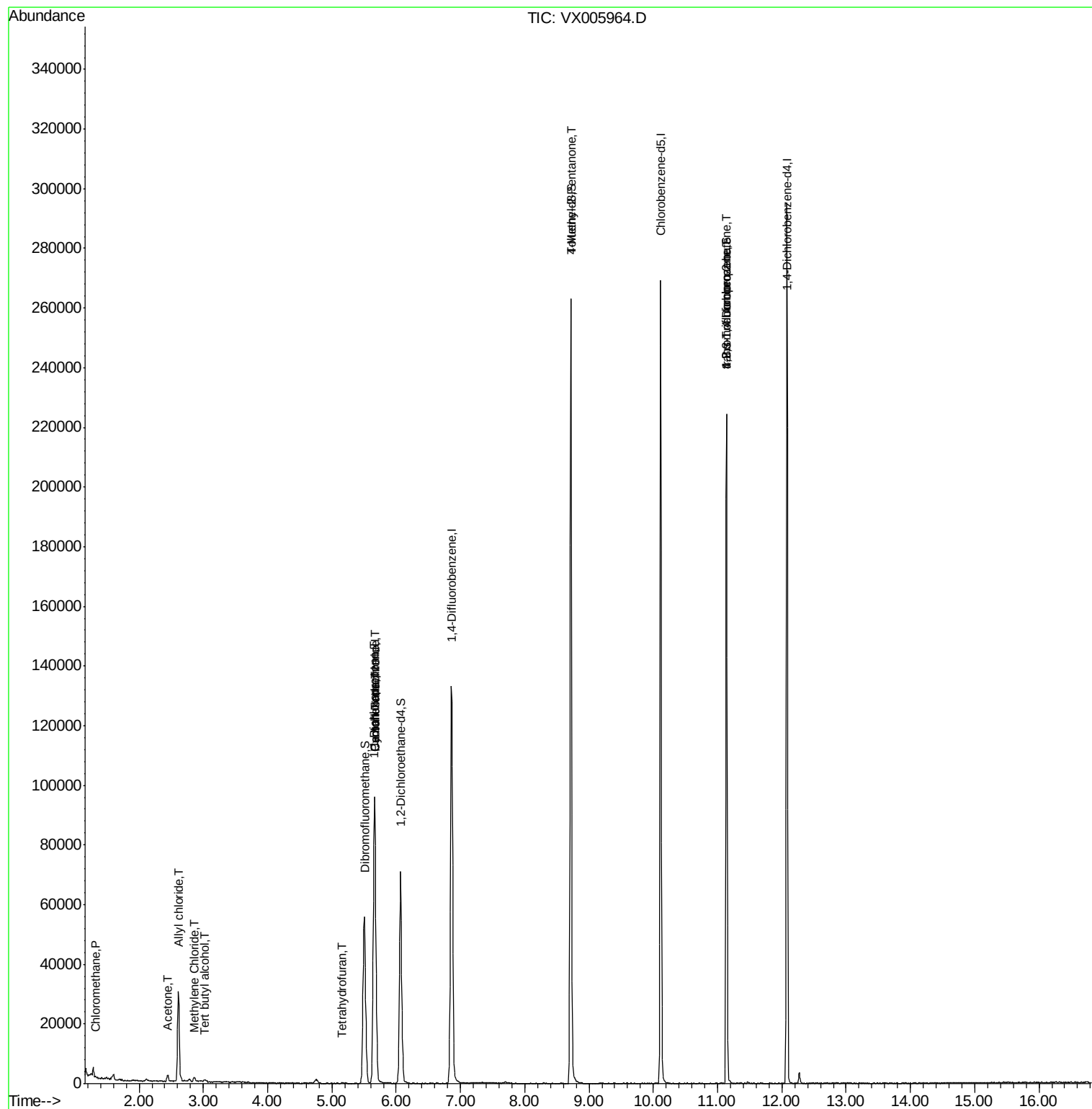
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	279	0.244	ug/l	96
11) Tert butyl alcohol	3.01	59	537	1.690	ug/l #	72
14) Allyl chloride	2.61	41	3227	1.694	ug/l #	66
16) Acetone	2.45	43	2396	4.012	ug/l	98
18) Methyl Acetate	2.78	43	955	Below Cal	#	76
20) Methylene Chloride	2.85	84	550	0.561	ug/l	88
29) Tetrahydrofuran	5.16	42	274	0.455	ug/l #	36
31) Cyclohexane	5.67	56	1852	1.199	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	6717	5.196	ug/l #	49
38) Carbon Tetrachloride	5.66	117	8960	6.924	ug/l #	15
51) 4-Methyl-2-Pentanone	8.71	43	770	0.496	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	27653	22.698	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	27653	72.342	ug/l #	9

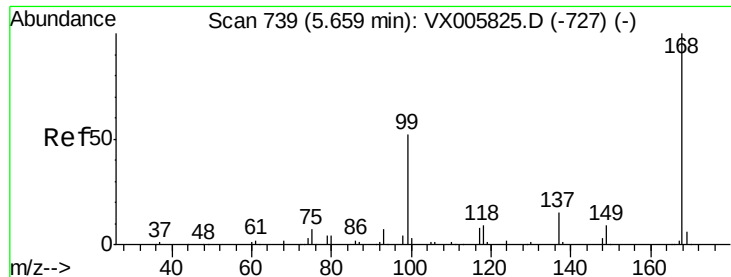
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005964.D

Acq: 13 Nov 2018 22:07

Instrument :

MSVOA_X

ClientSampleId :

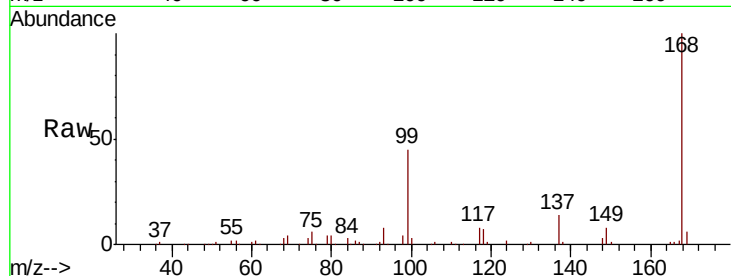
S36-TB-2018-4

Tot Ion:168 Resp: 96480

Ion Ratio Lower Upper

168 100

99 45.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

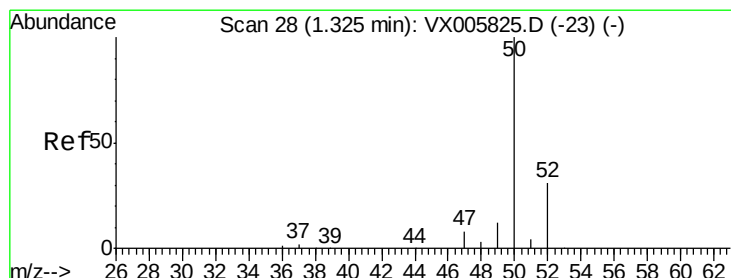
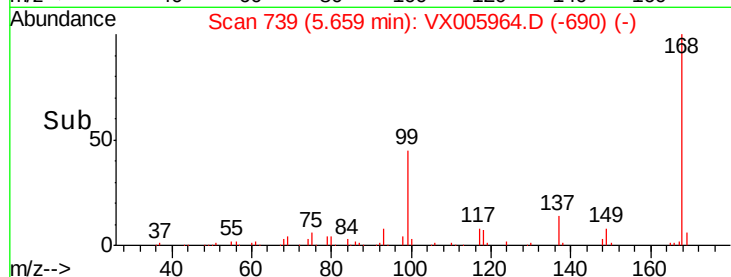
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX005964.D

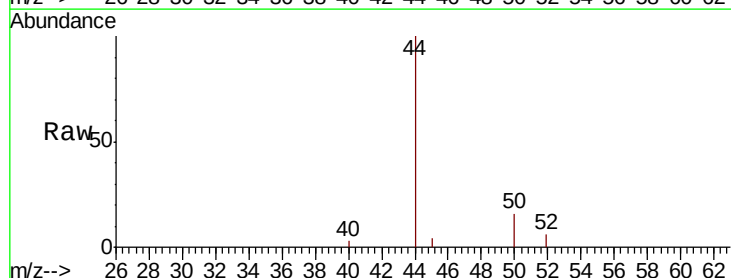
Acq: 13 Nov 2018 22:07

Tgt Ion: 50 Resp: 279

Ion Ratio Lower Upper

50 100

52 35.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

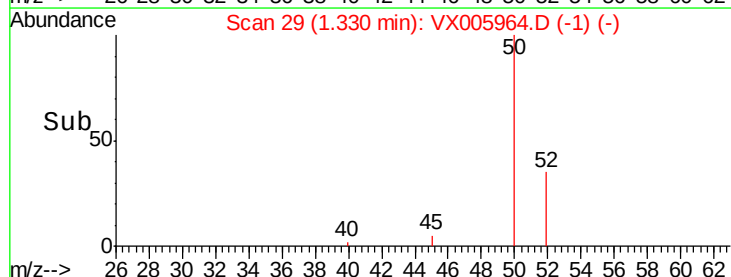
300

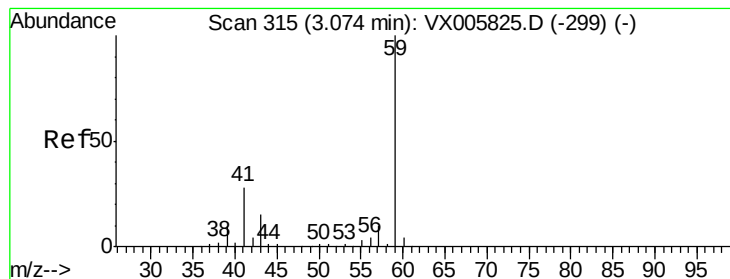
200

100

0

Time--> 1.30 1.32 1.34 1.36



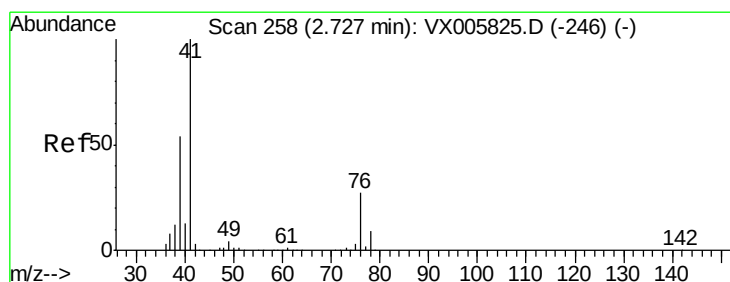
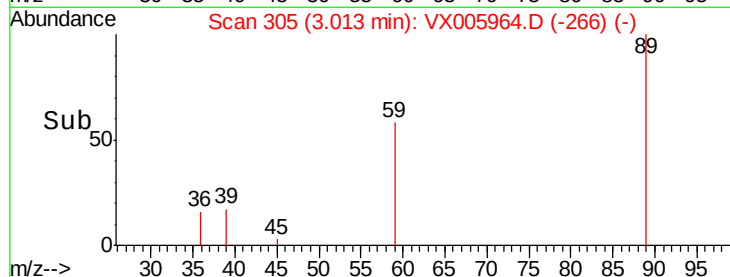
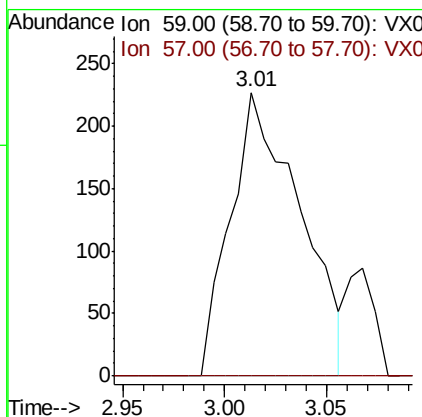
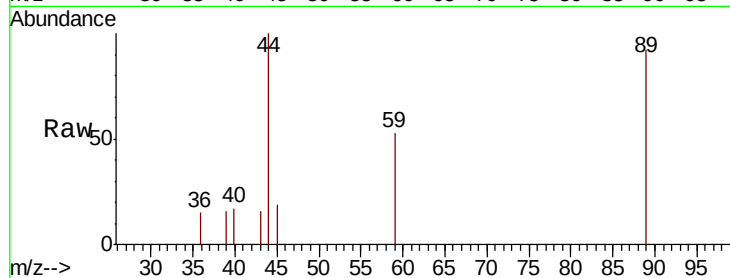


#11

Tert butyl alcohol
 Concen: 1.690 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.06 min
 Lab File: VX005964.D
 Acq: 13 Nov 2018 22:07

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-TB-2018-4

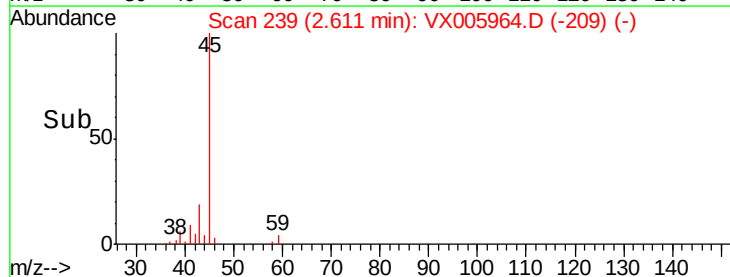
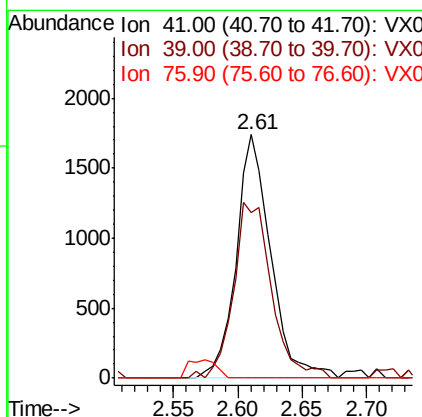
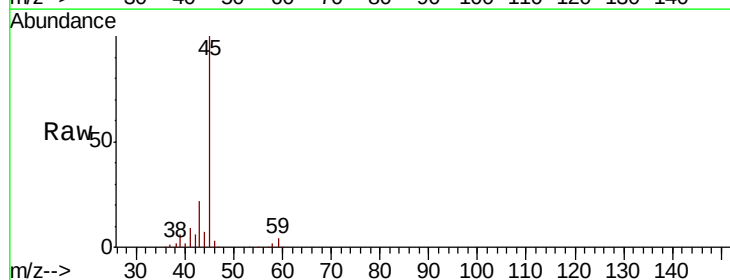
Tot Ion: 59 Resp: 537
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

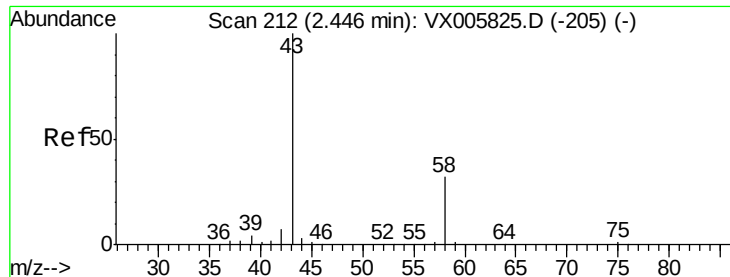


#14

Allyl chloride
 Concen: 1.694 ug/l
 RT: 2.61 min Scan# 239
 Delta R.T. -0.12 min
 Lab File: VX005964.D
 Acq: 13 Nov 2018 22:07

Tgt Ion: 41 Resp: 3227
 Ion Ratio Lower Upper
 41 100
 39 79.2 48.2 72.4#
 76 0.0 21.9 32.9#





#16

Acetone

Concen: 4.012 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005964.D

Acq: 13 Nov 2018 22:07

Instrument :

MSVOA_X

ClientSampleId :

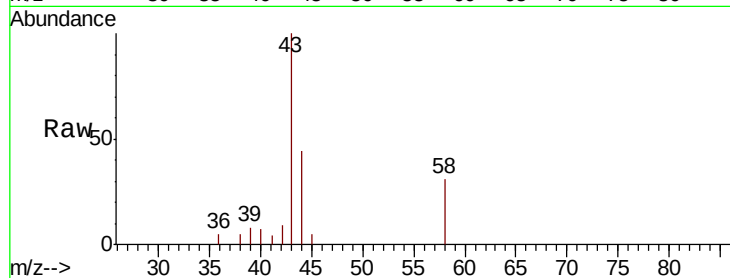
S36-TB-2018-4

Tot Ion: 43 Resp: 2396

Ion Ratio Lower Upper

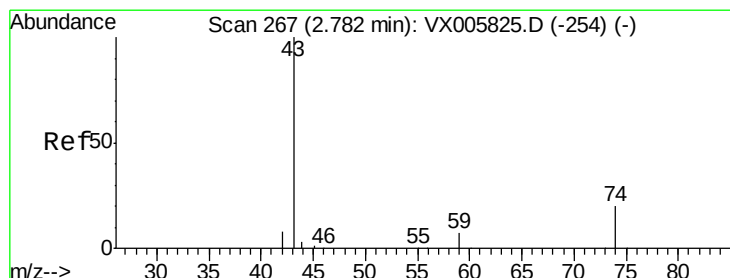
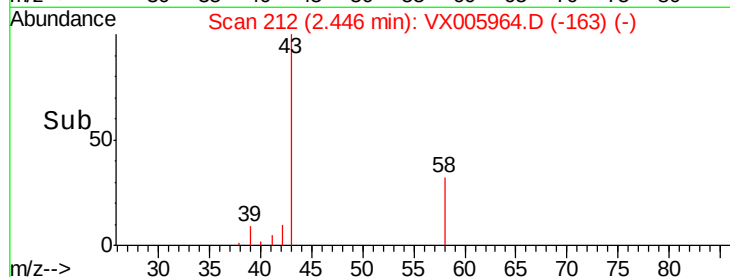
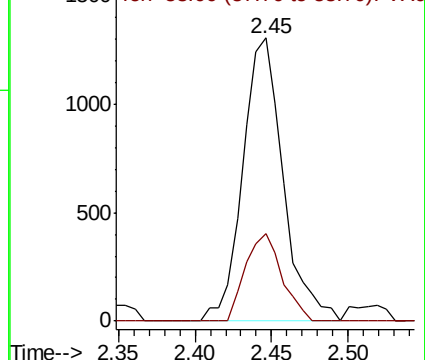
43 100

58 30.8 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005964.D

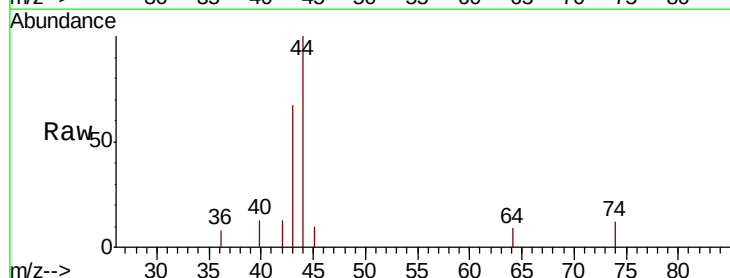
Acq: 13 Nov 2018 22:07

Tgt Ion: 43 Resp: 955

Ion Ratio Lower Upper

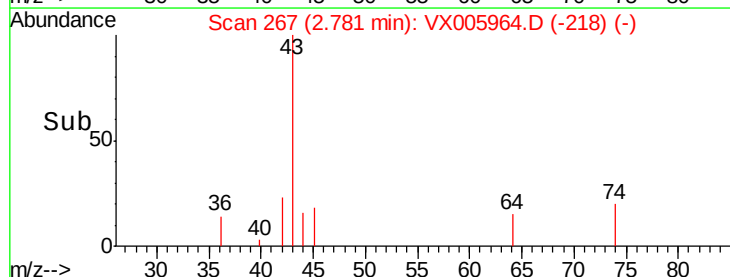
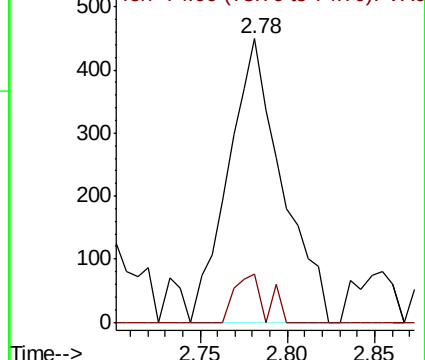
43 100

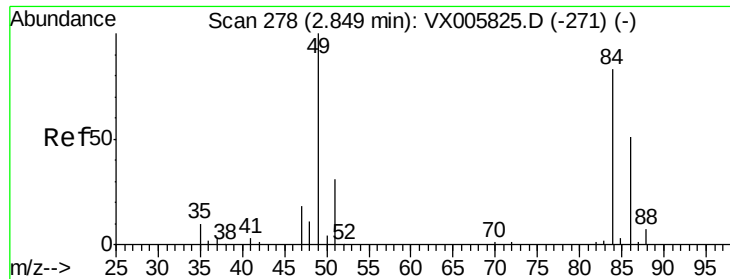
74 9.9 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

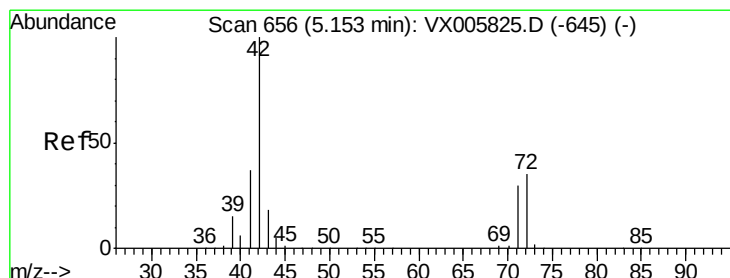
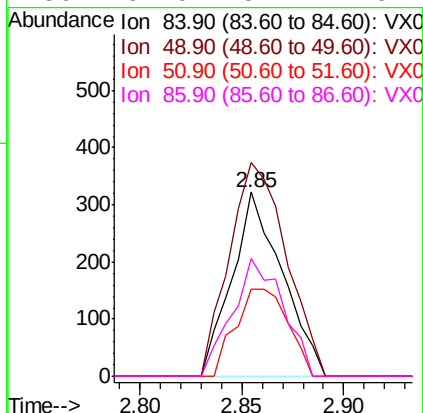
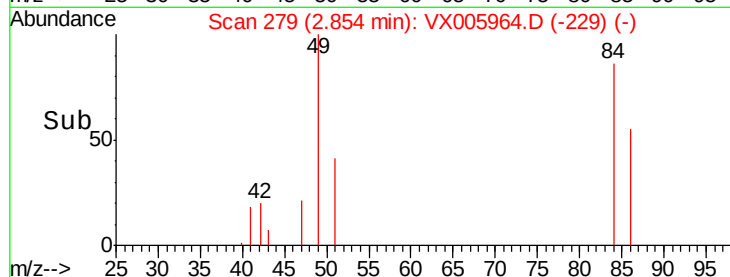
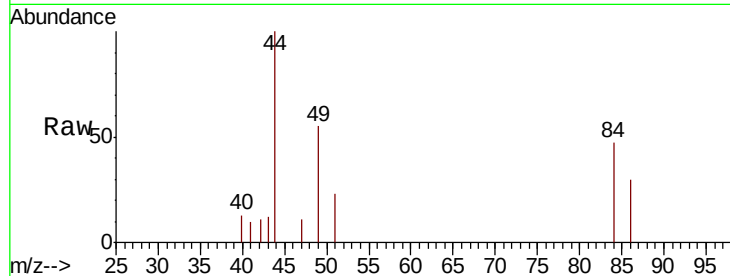




#20
Methylene Chloride
Concen: 0.561 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005964.D
Acq: 13 Nov 2018 22:07

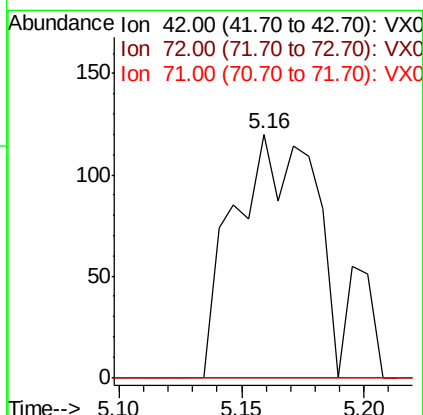
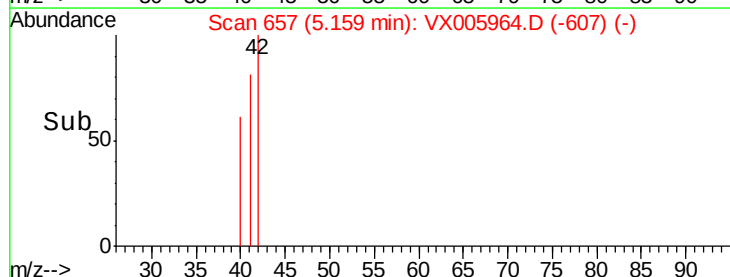
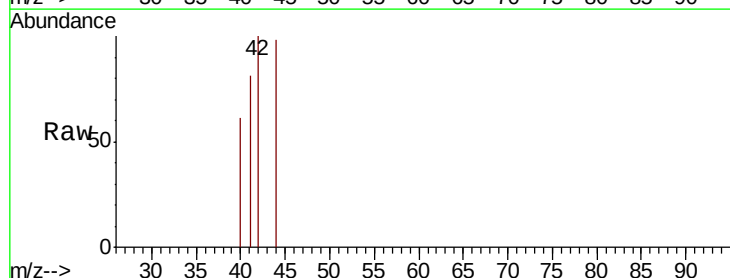
Instrument :
MSVOA_X
ClientSampled :
S36-TB-2018-4

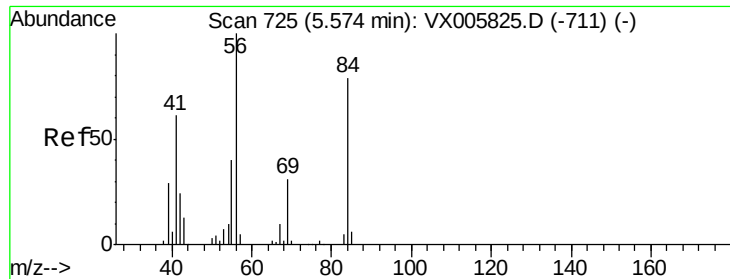
Tot Ion: 84 Resp: 550
Ion Ratio Lower Upper
84 100
49 116.1 109.5 164.3
51 47.5 33.3 49.9
86 64.0 52.7 79.1



#29
Tetrahydrofuran
Concen: 0.455 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005964.D
Acq: 13 Nov 2018 22:07

Tgt Ion: 42 Resp: 274
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 0.0 29.8 44.8#

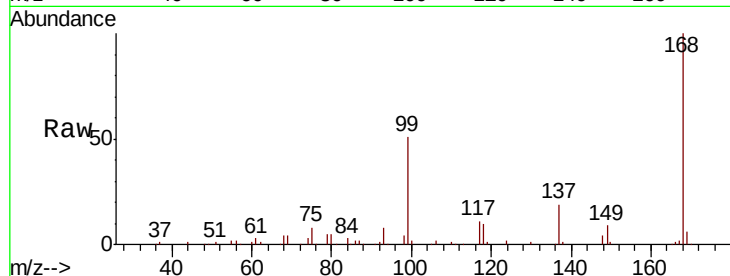




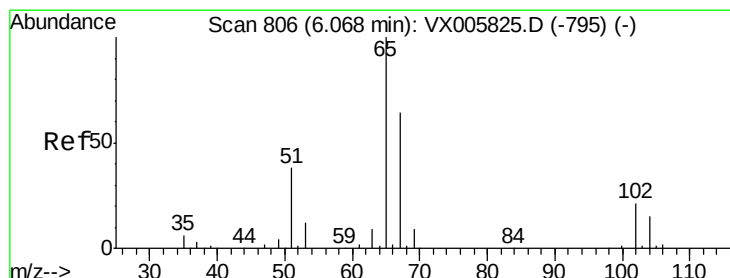
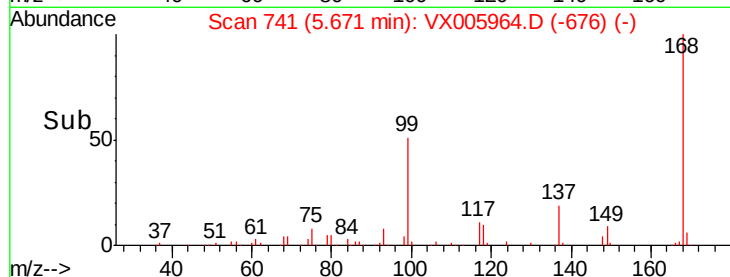
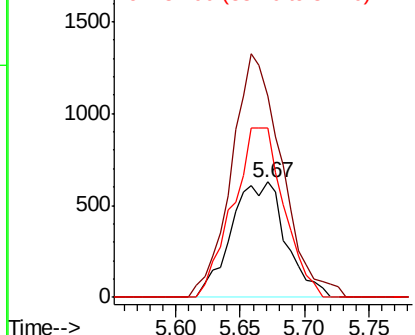
#31
Cyclohexane
Concen: 1.199 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.10 min
Lab File: VX005964.D
Acq: 13 Nov 2018 22:07

Instrument :
MSVOA_X
ClientSampleId :
S36-TB-2018-4

Tot Ion: 56 Resp: 1852
Ion Ratio Lower Upper
56 100
69 174.7 22.6 34.0#
84 147.1 62.7 94.1#

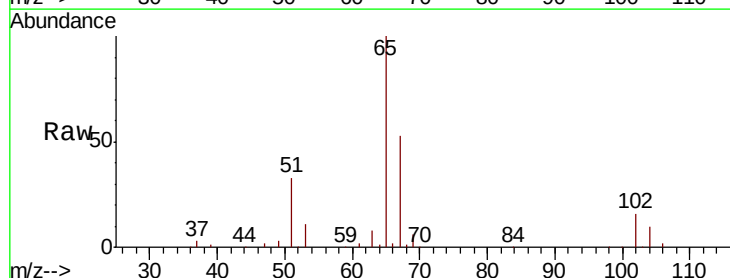


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

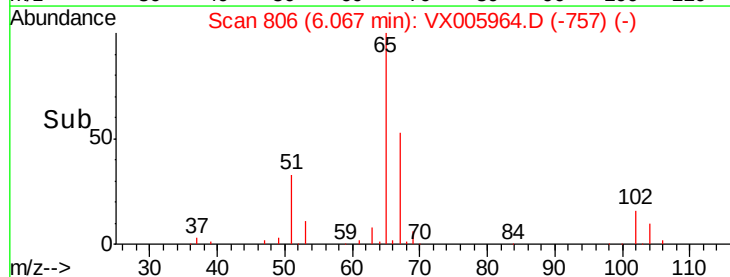
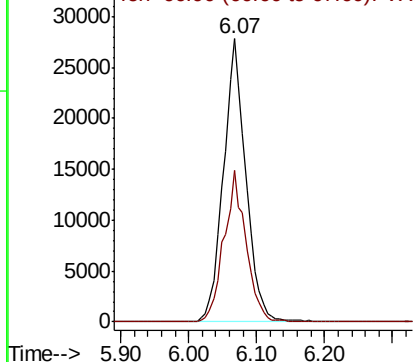


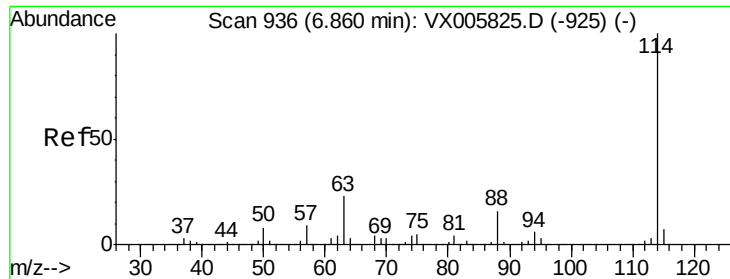
#33
1,2-Dichloroethane-d4
Concen: 57.427 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005964.D
Acq: 13 Nov 2018 22:07

Tgt Ion: 65 Resp: 63696
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.0



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

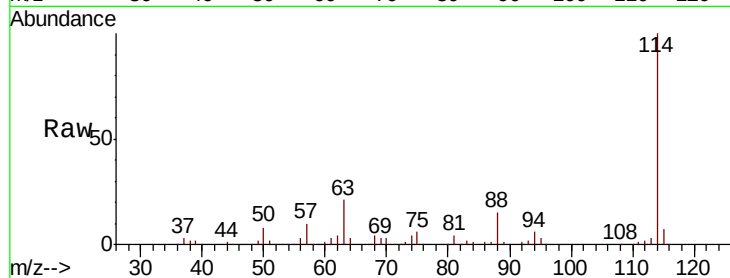




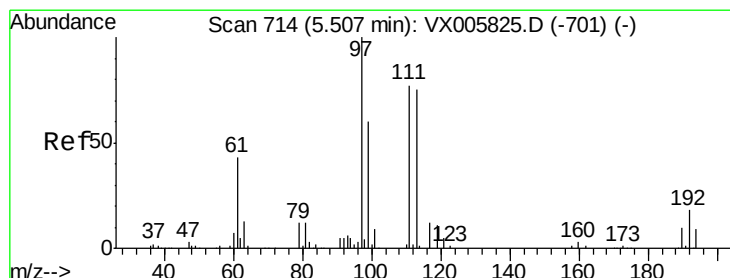
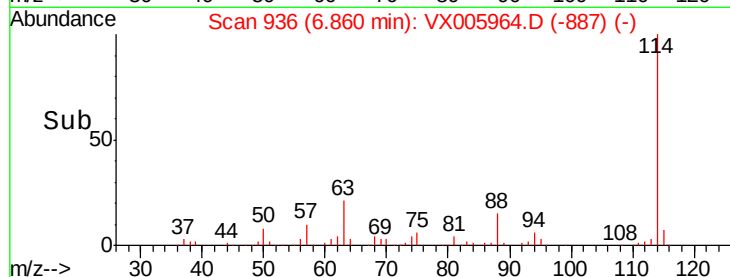
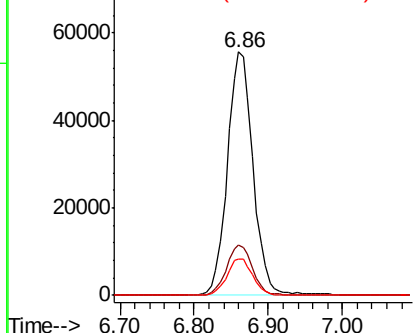
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005964.D
 Acq: 13 Nov 2018 22:07

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-TB-2018-4

Tot Ion:114 Resp: 134091
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.8
 88 15.1 0.0 31.2

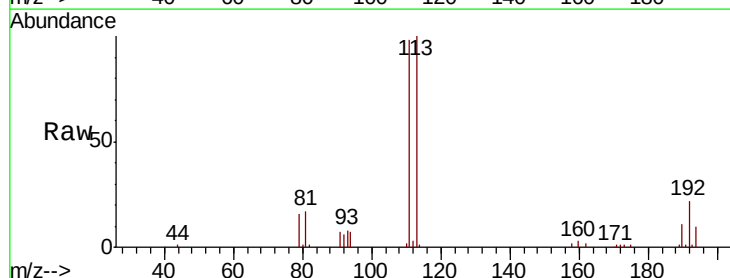


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

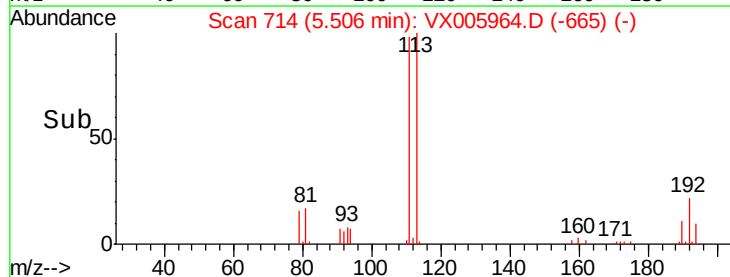
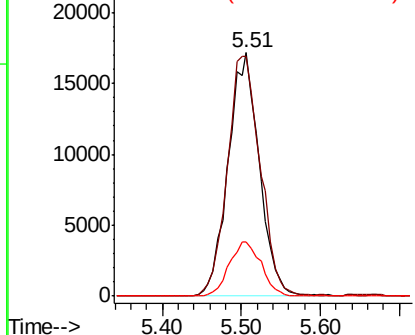


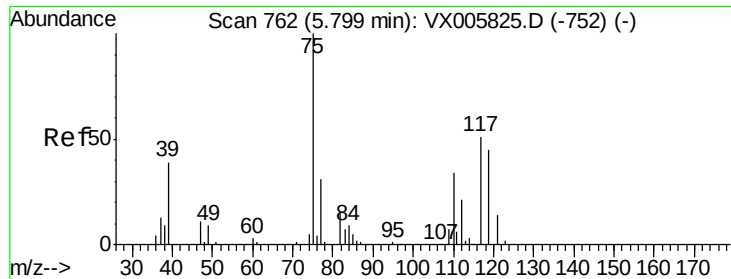
#35
 Dibromofluoromethane
 Concen: 51.617 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VX005964.D
 Acq: 13 Nov 2018 22:07

Tgt Ion:113 Resp: 47076
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.3 123.5
 192 22.9 17.9 26.9



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

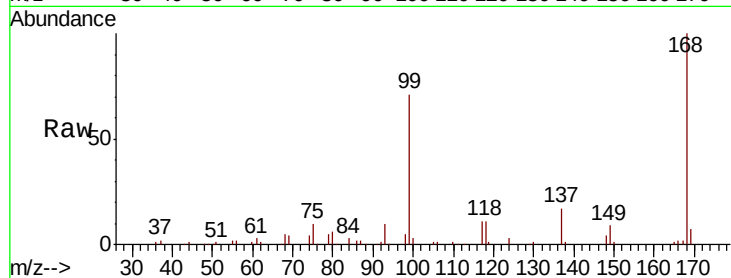




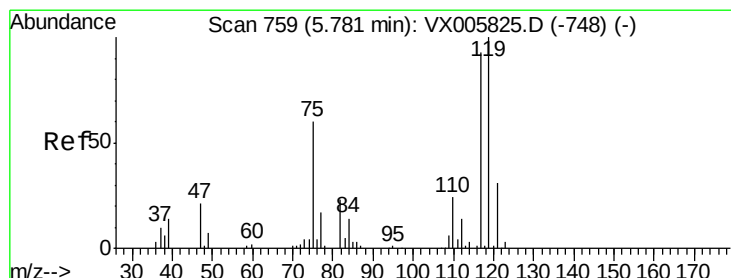
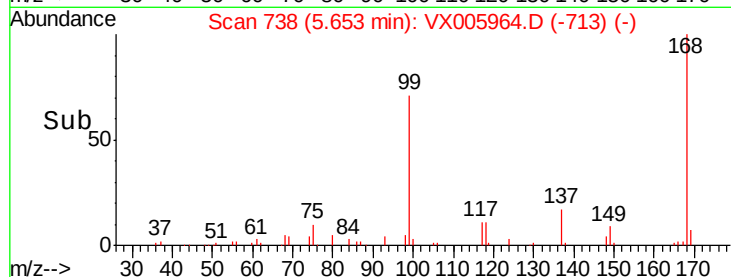
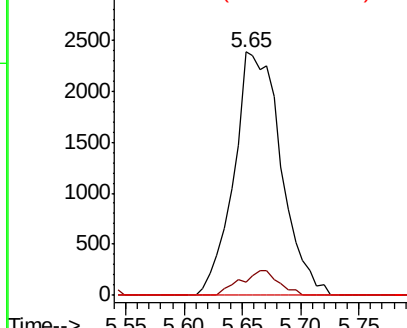
#36
 1,1-Dichloropropene
 Concen: 5.196 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX005964.D
 Acq: 13 Nov 2018 22:07

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-TB-2018-4

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.4	52.2#
77	0.0	25.8	38.6#

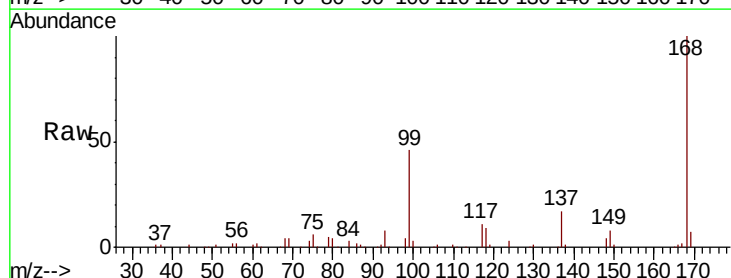


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

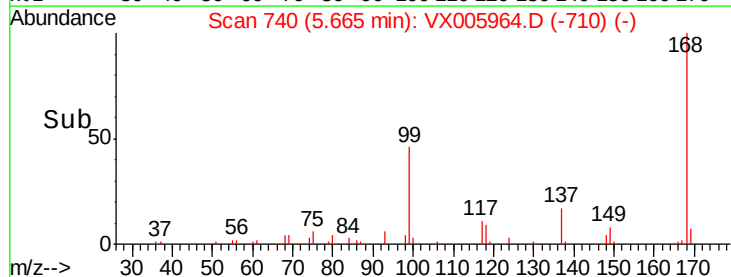
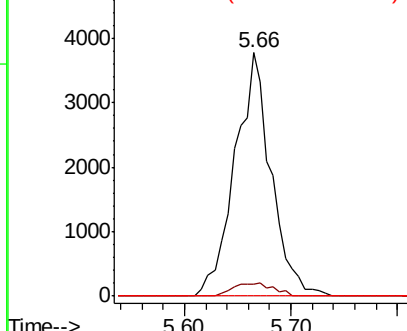


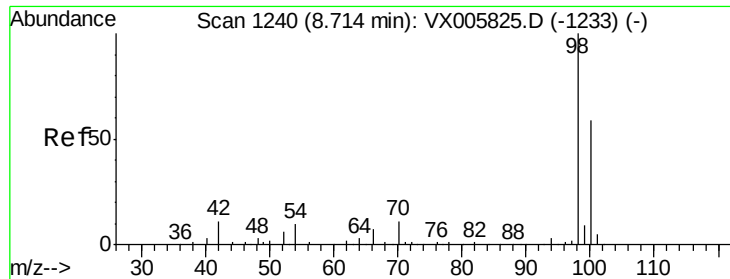
#38
 Carbon Tetrachloride
 Concen: 6.924 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005964.D
 Acq: 13 Nov 2018 22:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	78.1	117.1#
121	0.0	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 53.434 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX005964.D

Acq: 13 Nov 2018 22:07

Instrument :

MSVOA_X

ClientSampleId :

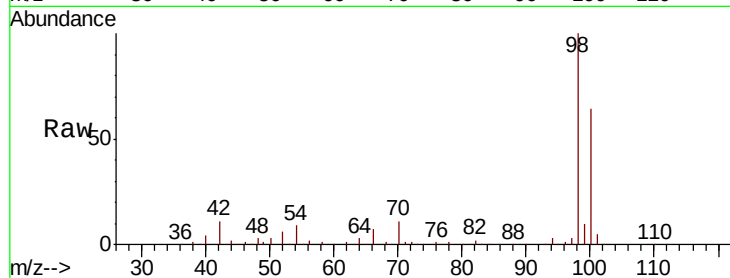
S36-TB-2018-4

Tot Ion: 98 Resp: 162016

Ion Ratio Lower Upper

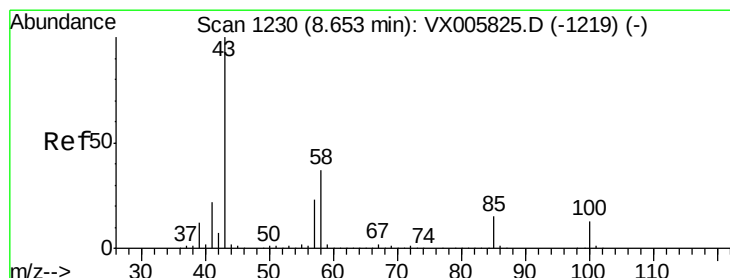
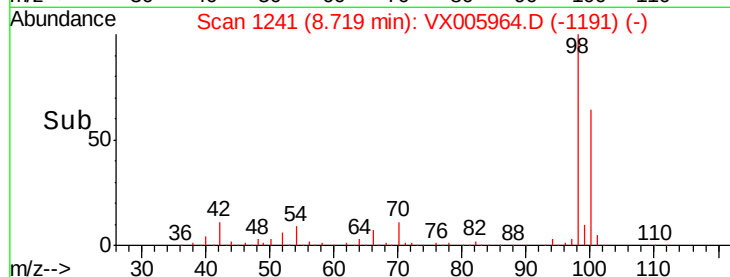
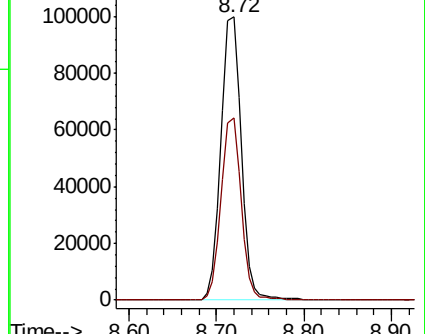
98 100

100 63.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.496 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX005964.D

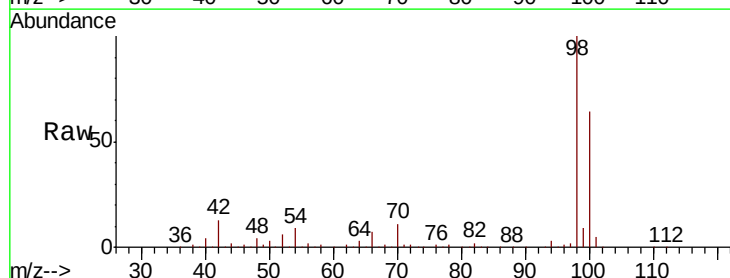
Acq: 13 Nov 2018 22:07

Tgt Ion: 43 Resp: 770

Ion Ratio Lower Upper

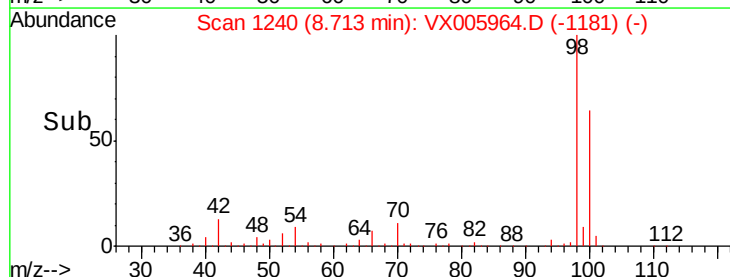
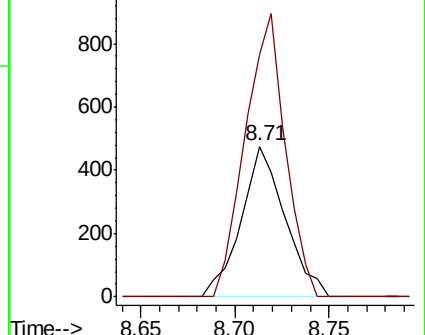
43 100

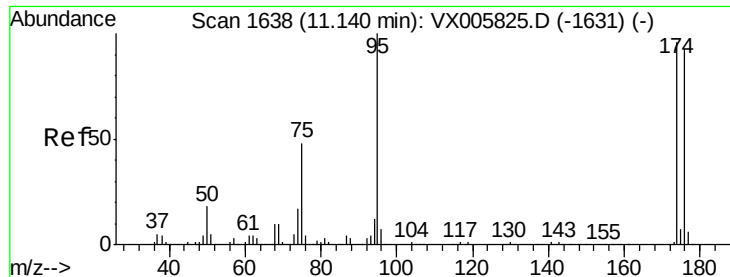
58 171.2 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 50.185 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005964.D

Acq: 13 Nov 2018 22:07

Instrument :

MSVOA_X

ClientSampleId :

S36-TB-2018-4

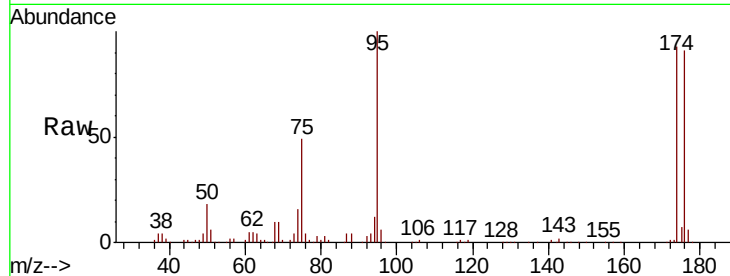
Tot Ion: 95 Resp: 54709

Ion Ratio Lower Upper

95 100

174 92.6 0.0 184.4

176 88.8 0.0 177.4

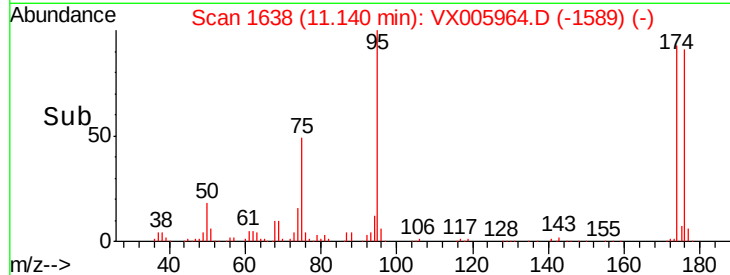


Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)

Time-->

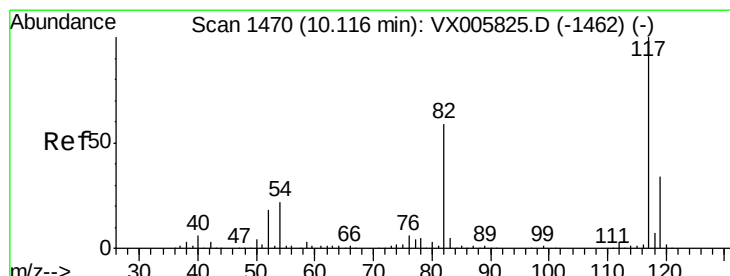


Abundance Ion 94.90 (94.60 to 95.60): VX005964.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX005964.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX005964.D (-1589) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005964.D

Acq: 13 Nov 2018 22:07

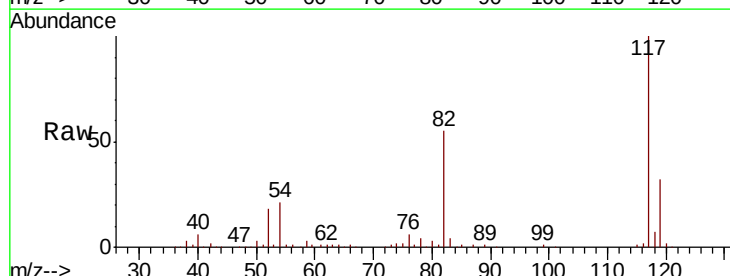
Tgt Ion: 117 Resp: 122953

Ion Ratio Lower Upper

117 100

82 55.2 44.1 66.1

119 32.4 26.2 39.2

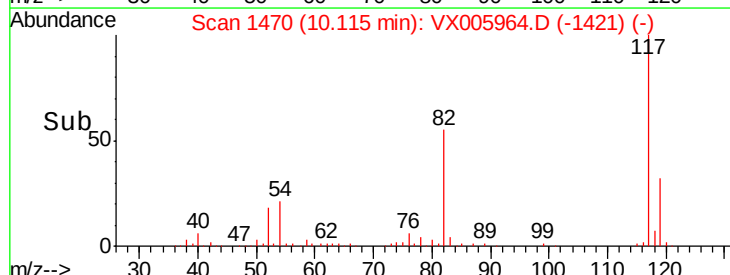


Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)

Time-->

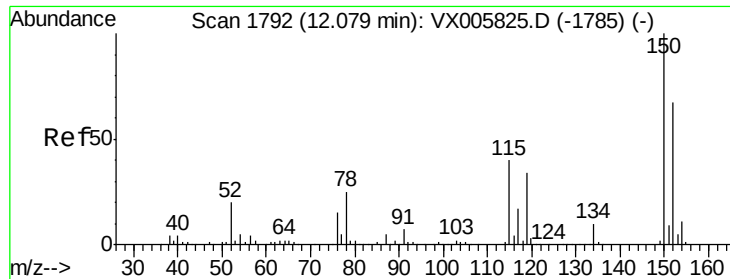


Abundance Ion 116.90 (116.60 to 117.60): VX005964.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX005964.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX005964.D (-1421) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005964.D

Acq: 13 Nov 2018 22:07

Instrument :

MSVOA_X

ClientSampled :

S36-TB-2018-4

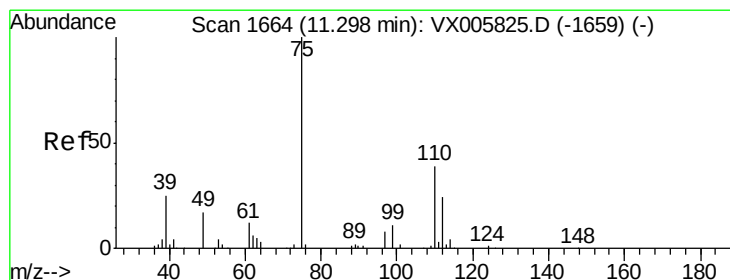
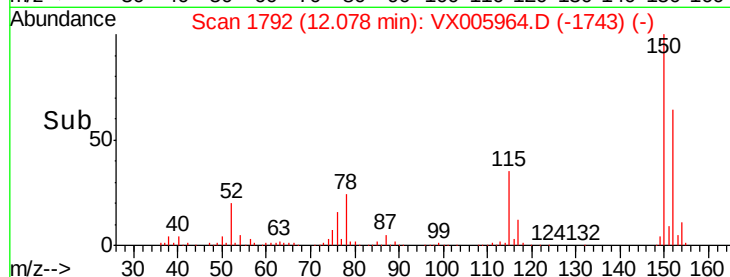
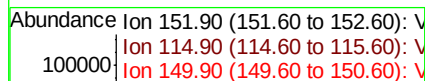
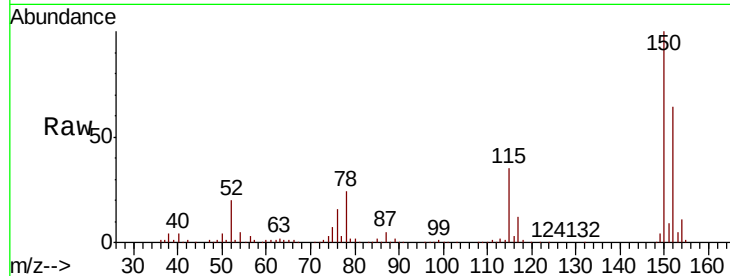
Tot Ion:152 Resp: 59832

Ion Ratio Lower Upper

152 100

115 55.6 39.4 118.1

150 156.4 0.0 346.4



#76

1,2,3-Trichloropropane

Concen: 22.698 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005964.D

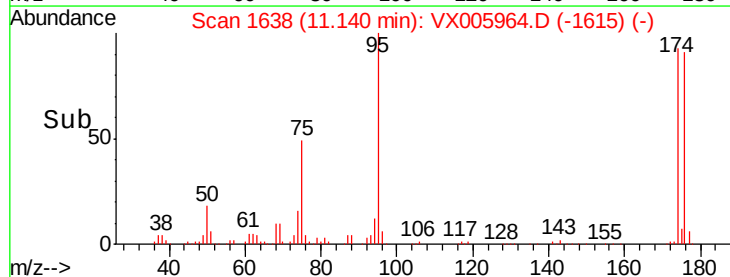
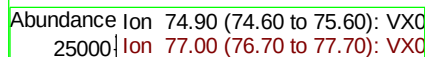
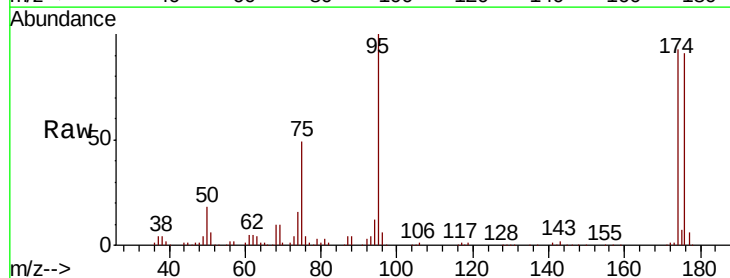
Acq: 13 Nov 2018 22:07

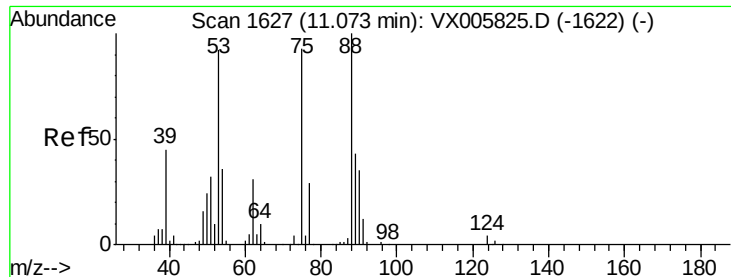
Tgt Ion: 75 Resp: 27653

Ion Ratio Lower Upper

75 100

77 1.1 20.5 61.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 72.342 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005964.D

Acq: 13 Nov 2018 22:07

Instrument :

MSVOA_X

ClientSampleId :

S36-TB-2018-4

Tot Ion: 75 Resp: 27653

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.0 39.8 59.8#

