

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002948.D
 Acq On : 27 Jun 2018 20:29
 Operator : JC/MD
 Sample : J3707-15 25X
 Misc : 5.73g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 03:16:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	271093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	380624	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	354293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	202001	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	180680	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
35) Dibromofluoromethane	5.51	113	142256	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
50) Toluene-d8	8.72	98	532638	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
62) 4-Bromofluorobenzene	11.14	95	191052	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	

Target Compounds

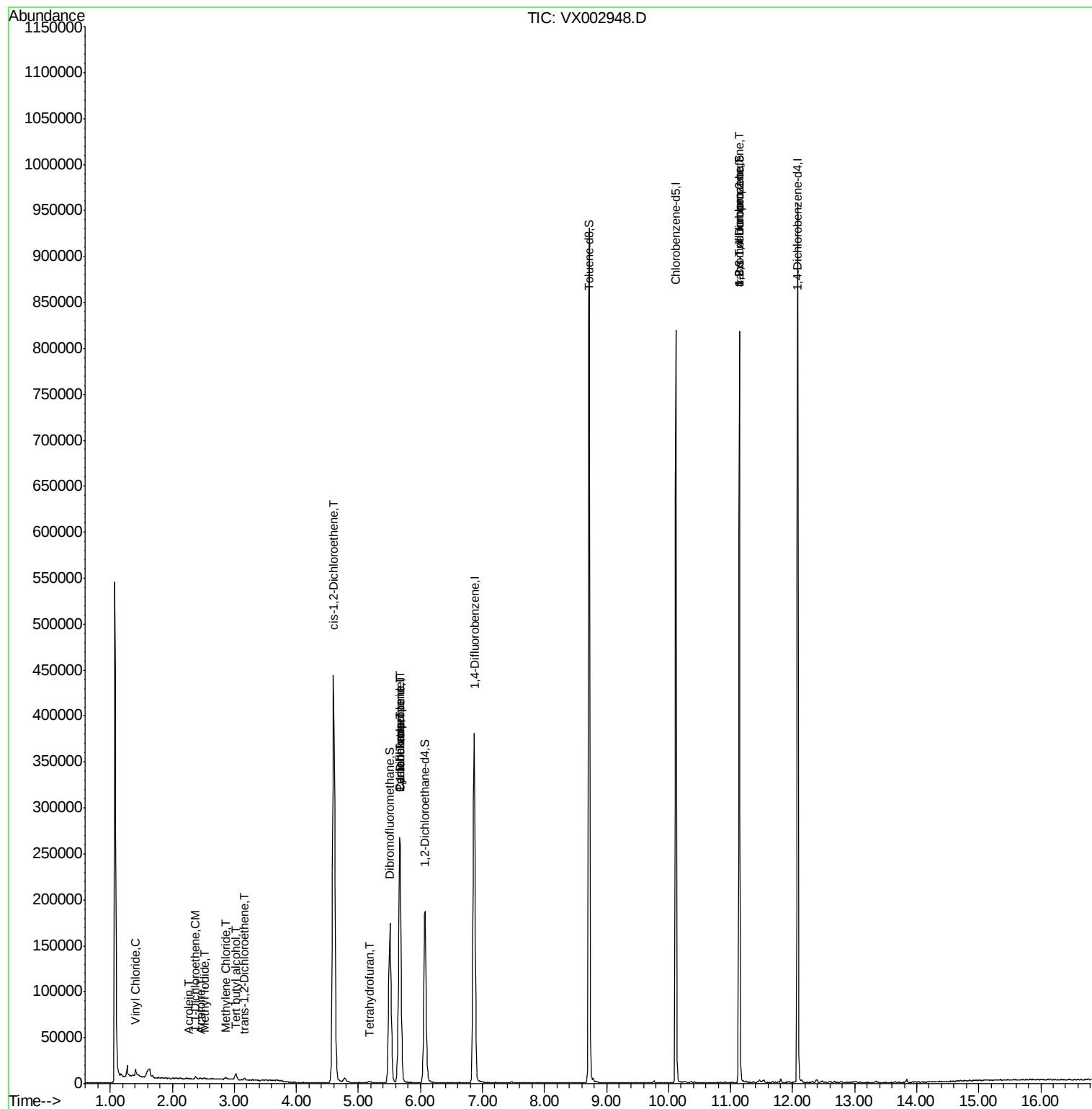
						Qvalue
3) Chloromethane	1.32	50	483	Below Cal		89
4) Vinyl Chloride	1.40	62	3944	1.29 ug/l	#	46
5) Bromomethane	1.64	94	1554	Below Cal		87
6) Chloroethane	1.72	64	70	Below Cal	#	84
10) Methyl Iodide	2.52	142	1002	6.51 ug/l		97
11) Tert butyl alcohol	3.03	59	4148	5.56 ug/l	#	84
12) 1,1-Dichloroethene	2.38	96	773	0.29 ug/l		92
13) Acrolein	2.28	56	100	4.47 ug/l	#	1
16) Acetone	2.45	43	1139	0.73 ug/l	#	79
20) Methylene Chloride	2.87	84	801	0.27 ug/l	#	65
21) trans-1,2-Dichloroethene	3.17	96	630	0.22 ug/l		90
27) cis-1,2-Dichloroethene	4.60	96	281031	86.07 ug/l		83
29) Tetrahydrofuran	5.18	42	613	0.42 ug/l	#	66
31) Cyclohexane	5.67	56	5645	1.20 ug/l	#	21
36) 1,1-Dichloropropene	5.67	75	18299	4.38 ug/l	#	51
38) Carbon Tetrachloride	5.67	117	24953	5.45 ug/l	#	15
76) 1,2,3-Trichloropropane	11.14	75	100180	27.38 ug/l	#	33
81) trans-1,4-Dichloro-2-buten	11.14	75	100180	77.46 ug/l	#	7

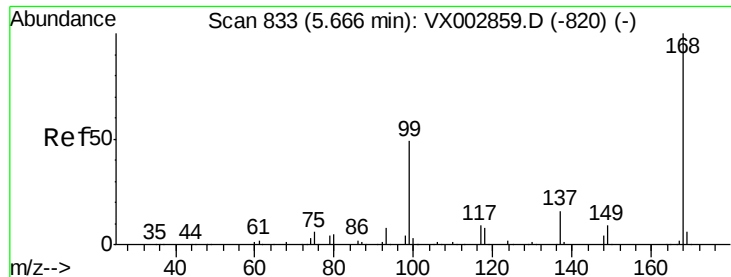
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002948.D

Acq: 27 Jun 2018 20:29

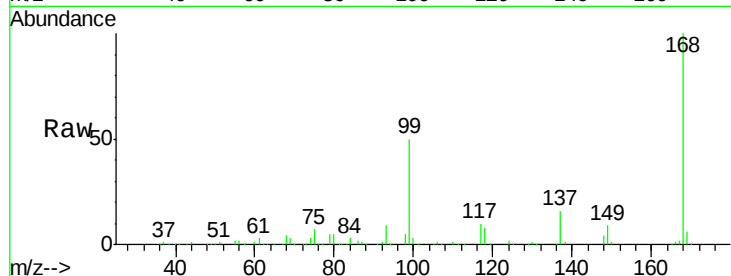
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 271093

Ion Ratio Lower Upper

168 100

99 50.1 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

100000

80000

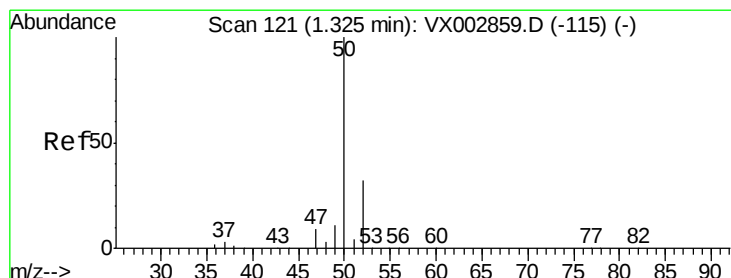
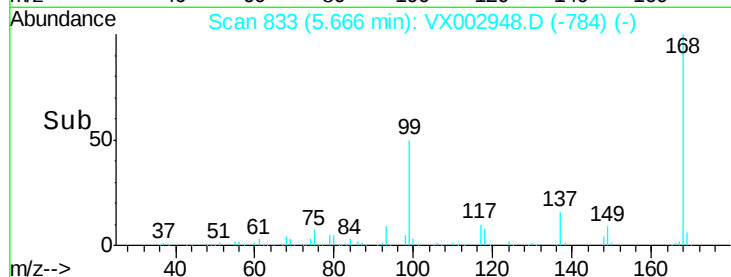
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002948.D

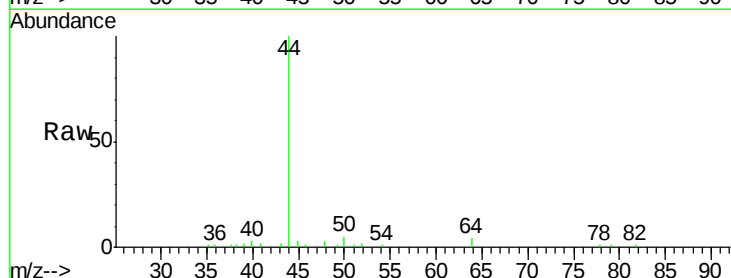
Acq: 27 Jun 2018 20:29

Tgt Ion: 50 Resp: 483

Ion Ratio Lower Upper

50 100

52 38.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

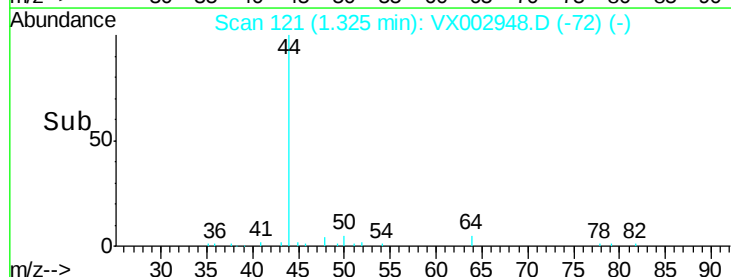
300

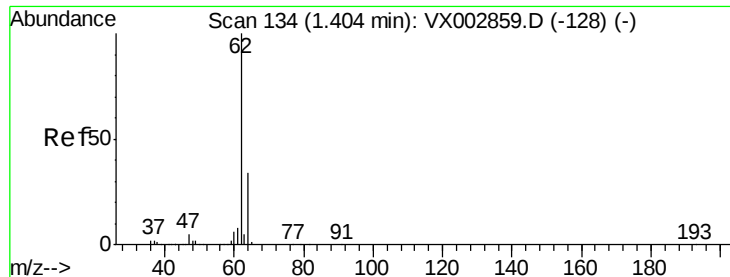
200

100

0

Time--> 1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 1.29 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002948.D

Acq: 27 Jun 2018 20:29

Instrument :

MSVOA_X

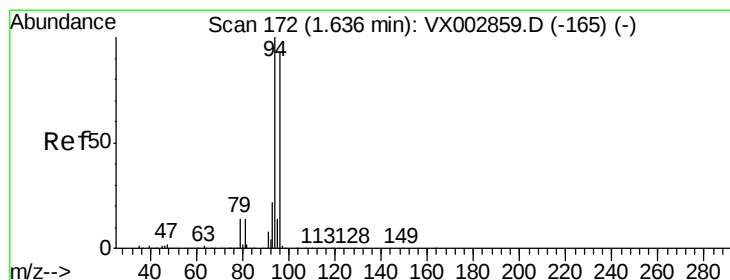
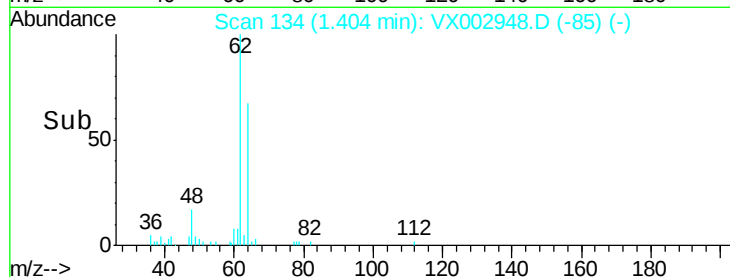
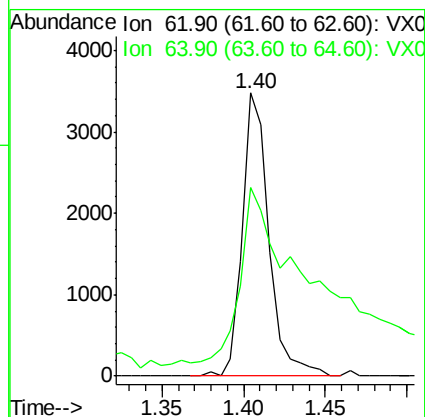
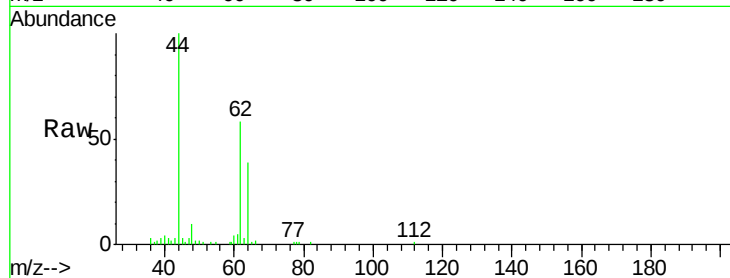
ClientSampleId :

Tot Ion: 62 Resp: 3944

Ion Ratio Lower Upper

62 100

64 61.9 25.4 38.2#



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002948.D

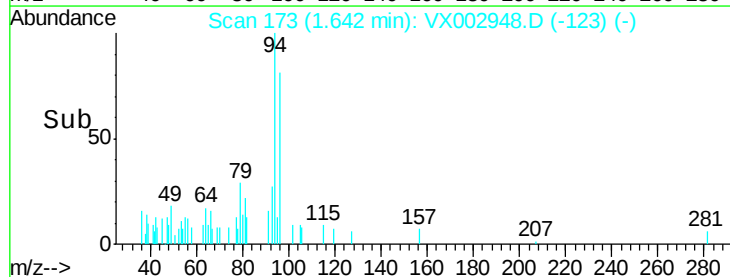
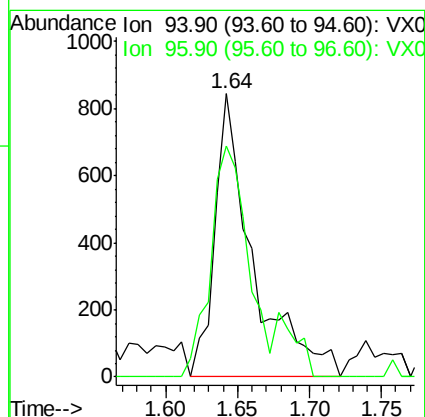
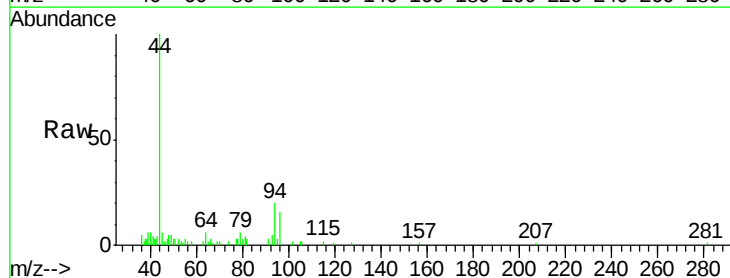
Acq: 27 Jun 2018 20:29

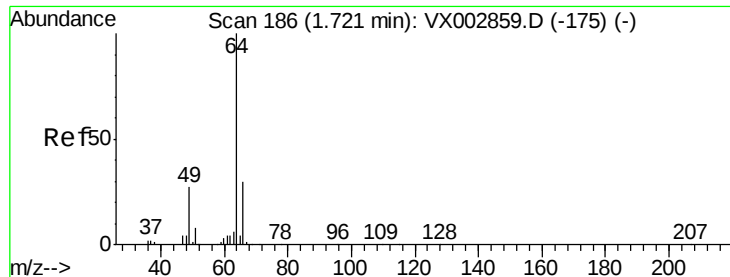
Tgt Ion: 94 Resp: 1554

Ion Ratio Lower Upper

94 100

96 81.4 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002948.D

Acq: 27 Jun 2018 20:29

Instrument :

MSVOA_X

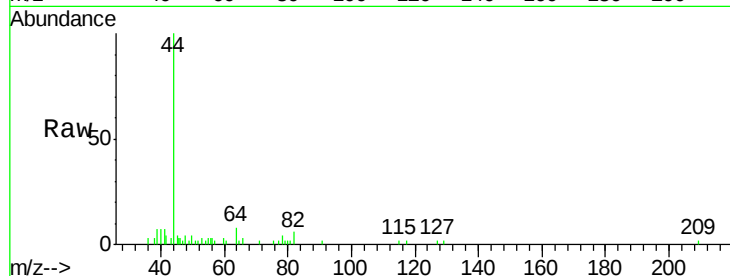
ClientSampleId :

Tot Ion: 64 Resp: 70

Ion Ratio Lower Upper

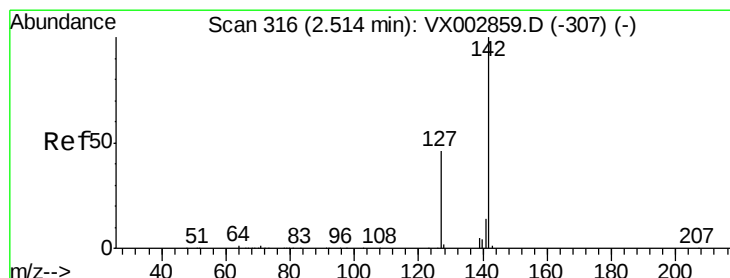
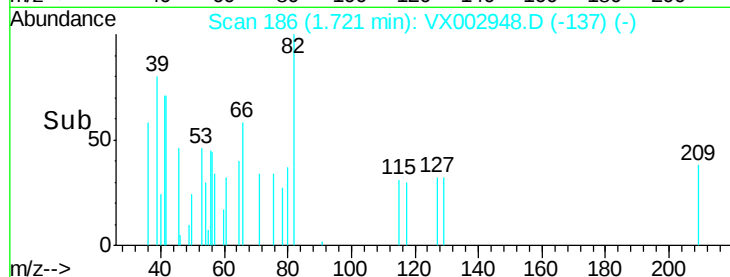
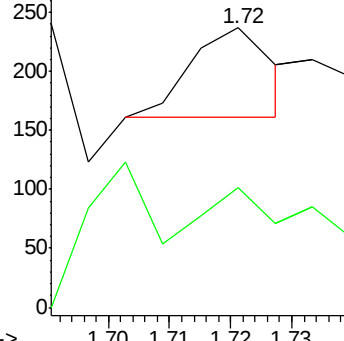
64 100

66 40.8 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 6.51 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002948.D

Acq: 27 Jun 2018 20:29

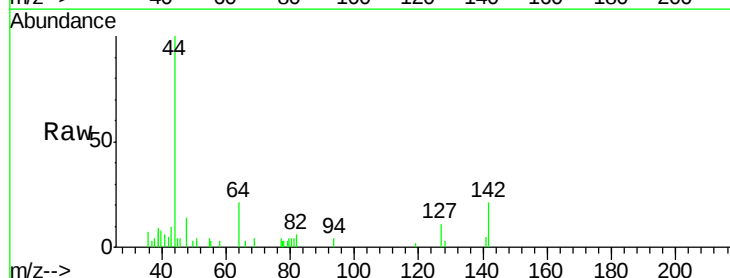
Tgt Ion:142 Resp: 1002

Ion Ratio Lower Upper

142 100

127 47.0 36.6 55.0

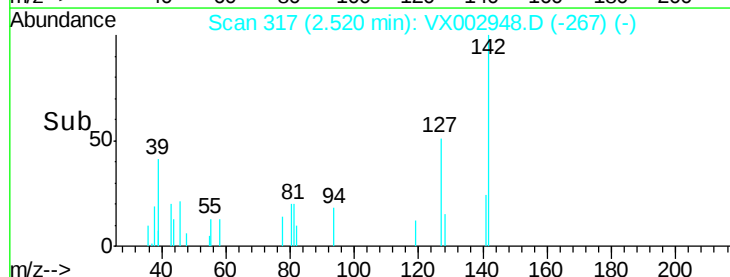
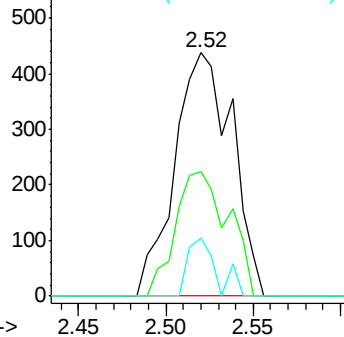
141 11.9 11.3 16.9

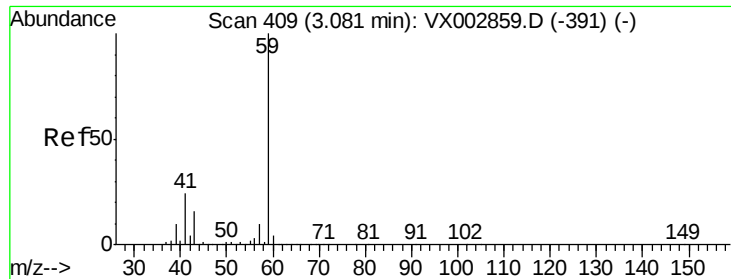


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



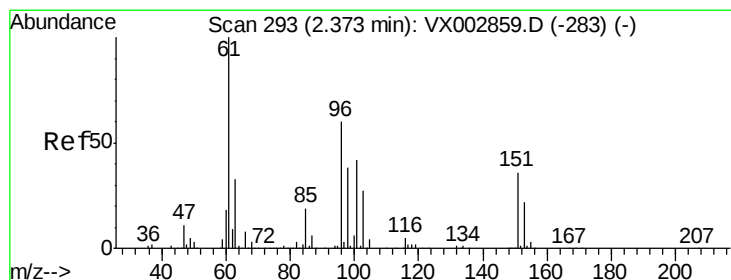
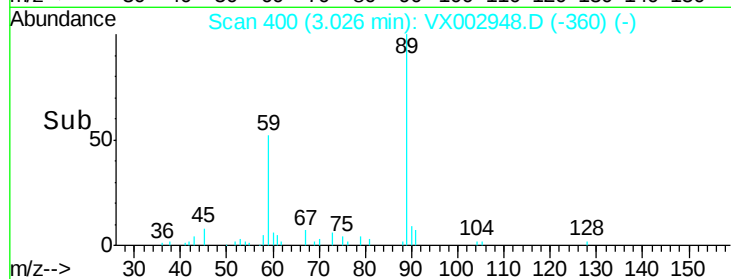
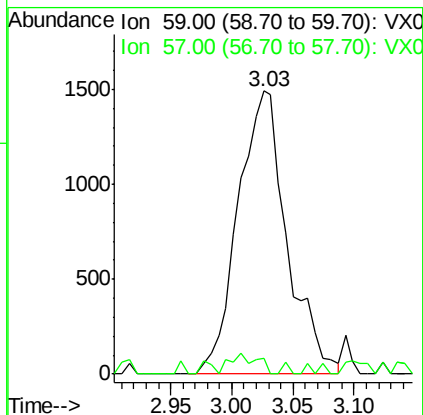
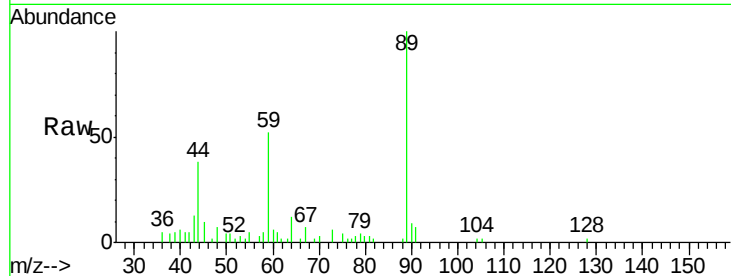


#11

Tert butyl alcohol
 Concen: 5.56 ug/l
 RT: 3.03 min Scan# 400
 Delta R.T. -0.05 min
 Lab File: VX002948.D
 Acq: 27 Jun 2018 20:29

Instrument :
 MSVOA_X
 ClientSampleId :

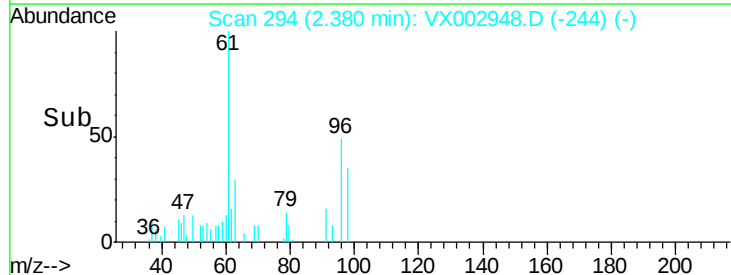
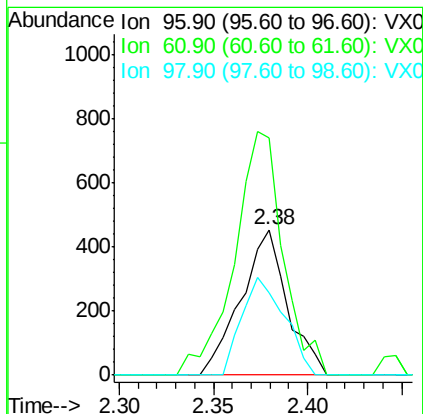
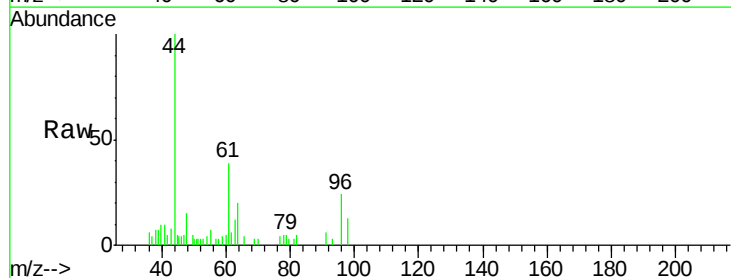
Tot Ion: 59 Resp: 4148
 Ion Ratio Lower Upper
 59 100
 57 4.1 8.2 12.2#

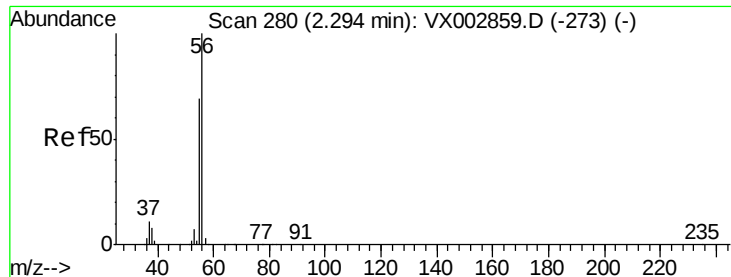


#12

1,1-Dichloroethene
 Concen: 0.29 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX002948.D
 Acq: 27 Jun 2018 20:29

Tgt Ion: 96 Resp: 773
 Ion Ratio Lower Upper
 96 100
 61 163.4 137.9 206.9
 98 56.5 51.6 77.4





#13

Acrolein

Concen: 4.47 ug/l

RT: 2.28 min Scan# 277

Delta R.T. -0.02 min

Lab File: VX002948.D

Acq: 27 Jun 2018 20:29

Instrument :

MSVOA_X

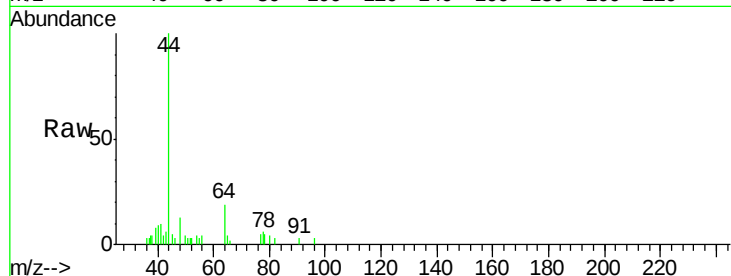
ClientSampled :

Tot Ion: 56 Resp: 100

Ion Ratio Lower Upper

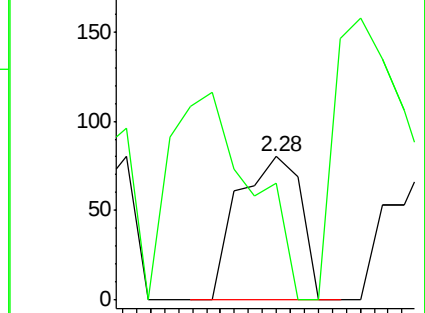
56 100

55 187.0 57.0 85.4#

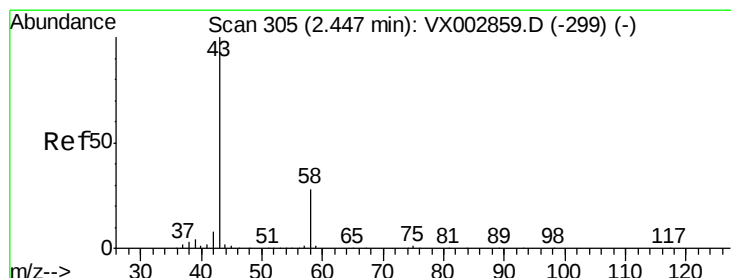
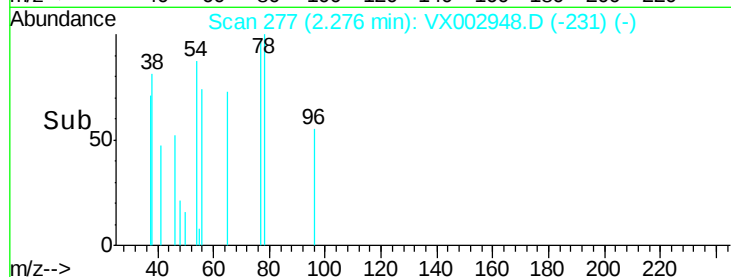


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 0.73 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002948.D

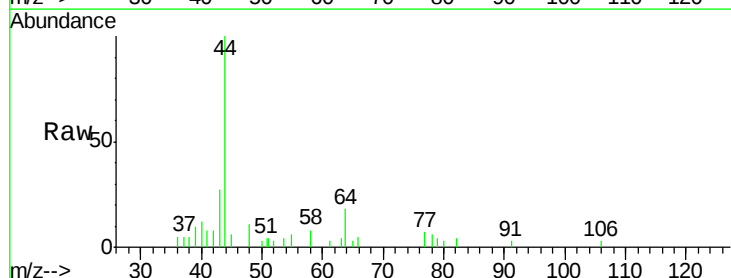
Acq: 27 Jun 2018 20:29

Tgt Ion: 43 Resp: 1139

Ion Ratio Lower Upper

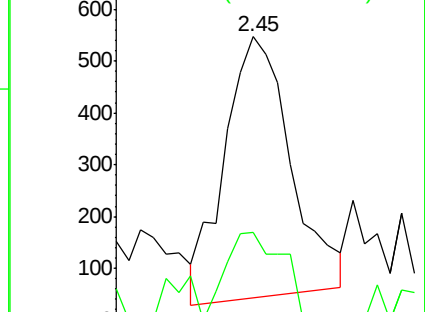
43 100

58 38.5 22.1 33.1#

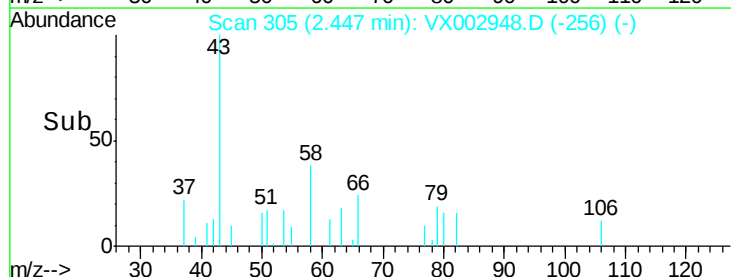


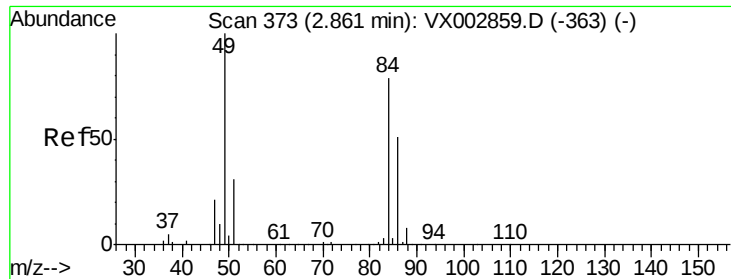
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

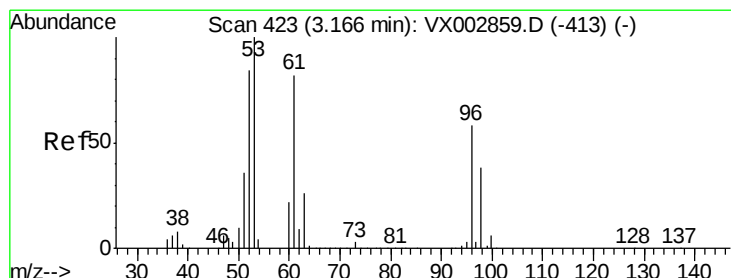
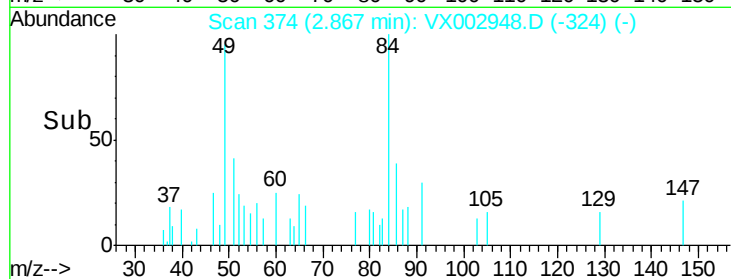
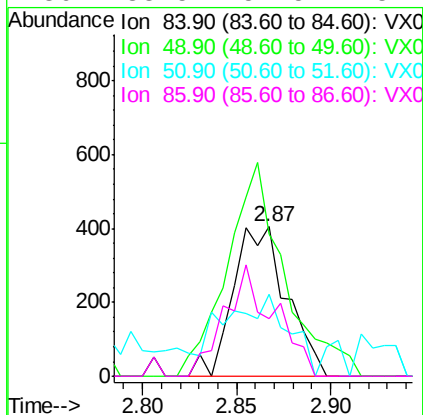
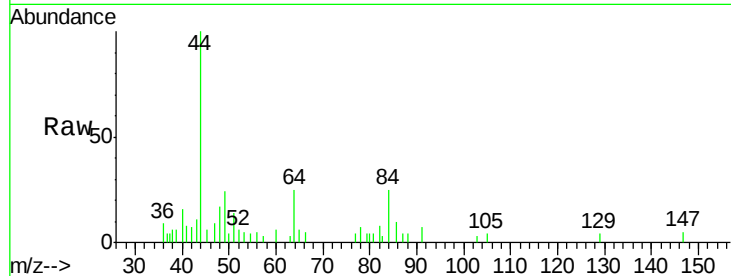




#20
Methvlene Chloride
Concen: 0.27 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX002948.D
Acq: 27 Jun 2018 20:29

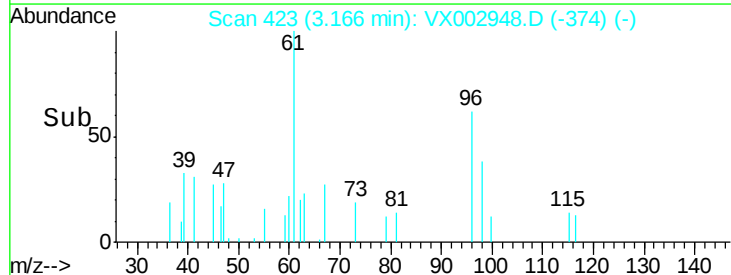
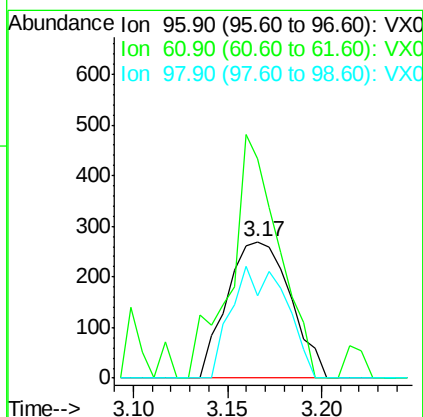
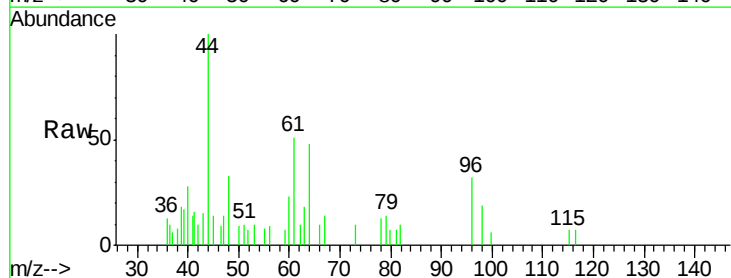
Instrument :
MSVOA_X
ClientSampleId :

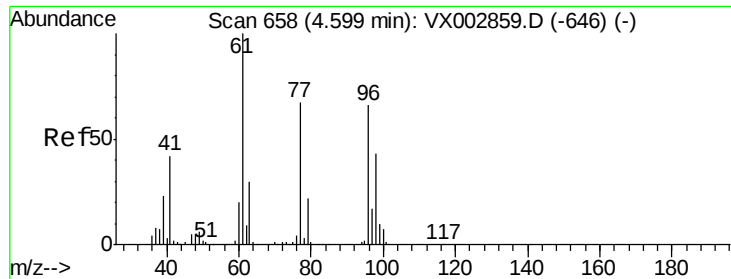
Tot Ion: 84 Resp: 801
Ion Ratio Lower Upper
84 100
49 81.5 107.8 161.6#
51 38.8 32.8 49.2
86 38.5 52.5 78.7#



#21
trans-1,2-Dichloroethene
Concen: 0.22 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX002948.D
Acq: 27 Jun 2018 20:29

Tgt Ion: 96 Resp: 630
Ion Ratio Lower Upper
96 100
61 160.6 117.0 175.4
98 60.6 52.4 78.6



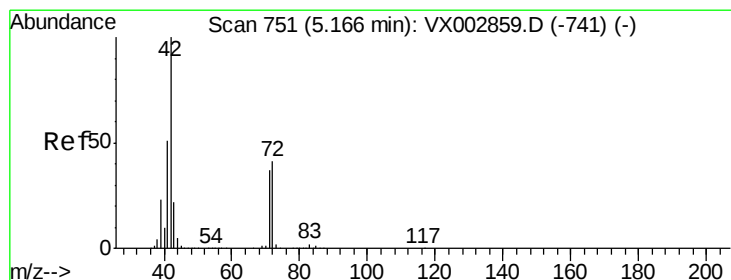
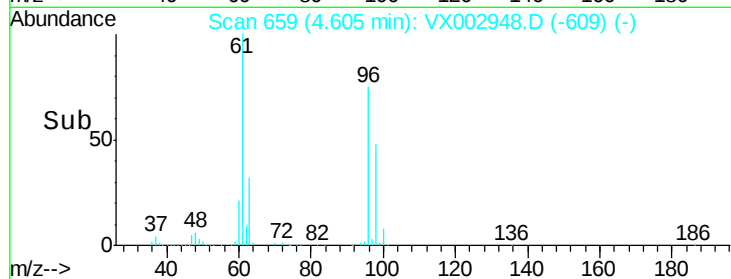
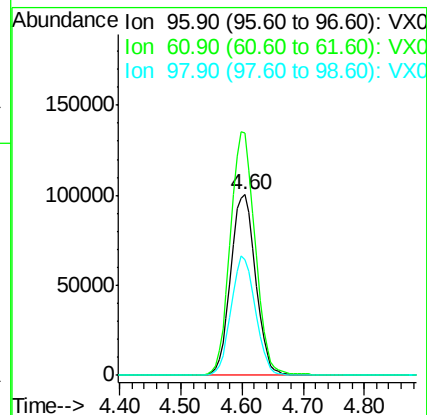
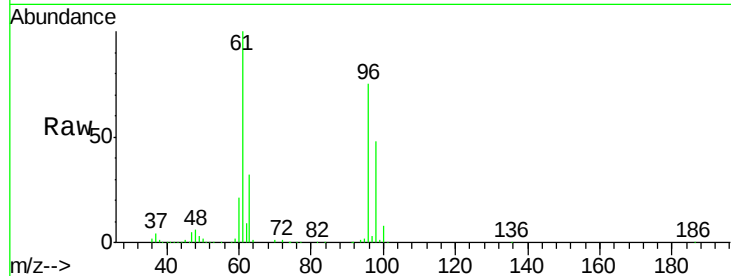


#27

cis-1,2-Dichloroethene
Concen: 86.07 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX002948.D
Acq: 27 Jun 2018 20:29

Instrument :
MSVOA_X
ClientSampleId :

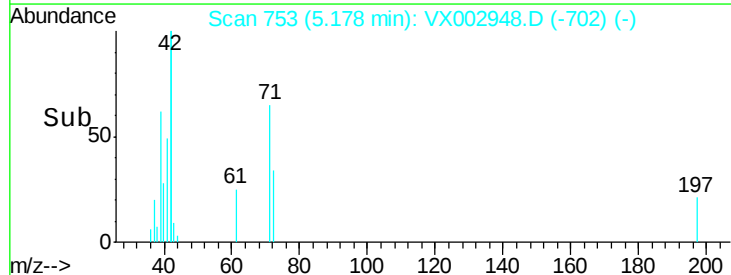
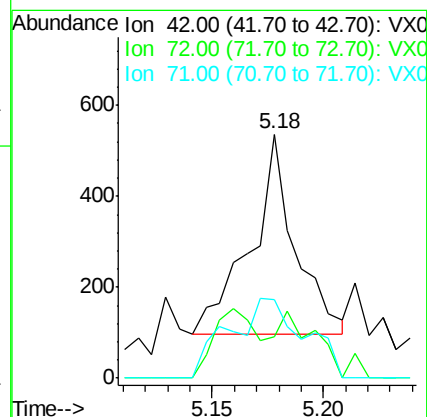
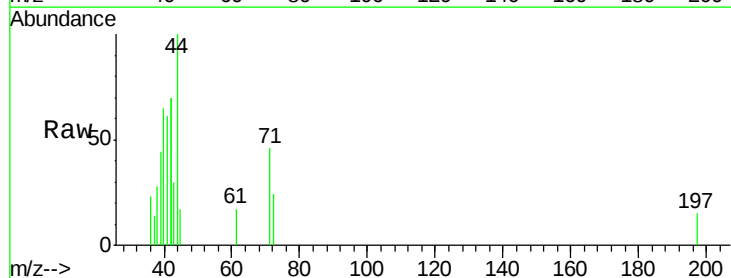
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.5	0.0	330.2
98	64.5	0.0	130.2

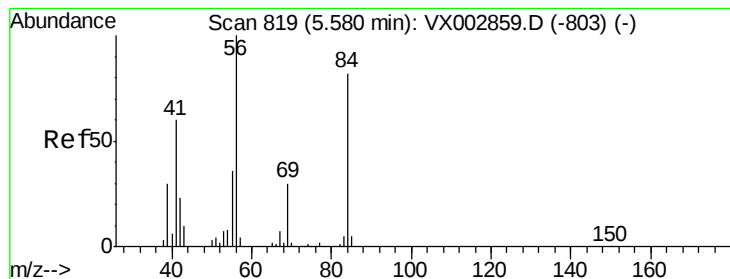


#29

Tetrahydrofuran
Concen: 0.42 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX002948.D
Acq: 27 Jun 2018 20:29

Tgt Ion	Ratio	Lower	Upper
42	100		
72	28.2	32.0	48.0#
71	67.0	30.1	45.1#





#31

Cyclohexane

Concen: 1.20 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX002948.D

Acq: 27 Jun 2018 20:29

Instrument :
MSVOA_X
ClientSampleId :

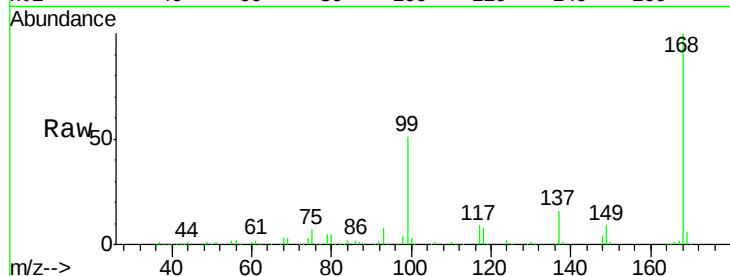
Tot Ion: 56 Resp: 5645

Ion Ratio Lower Upper

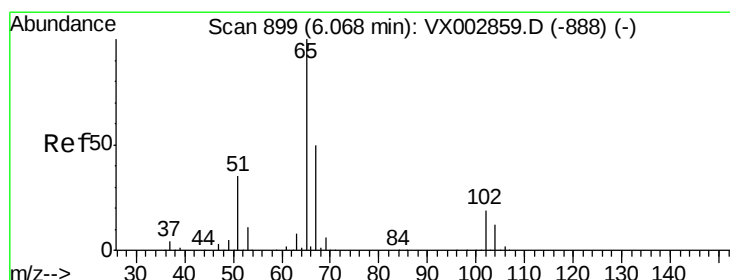
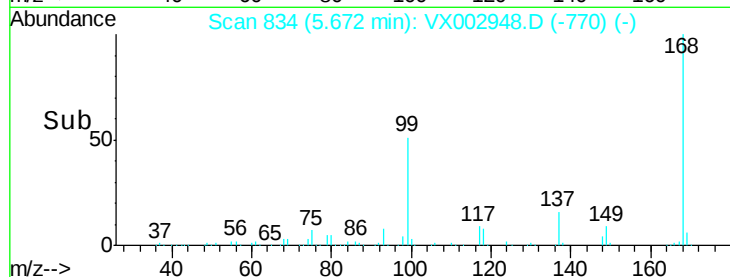
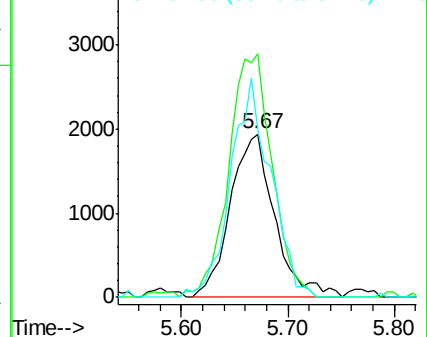
56 100

69 149.2 23.7 35.5#

84 103.0 64.1 96.1#



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: 48.22 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002948.D

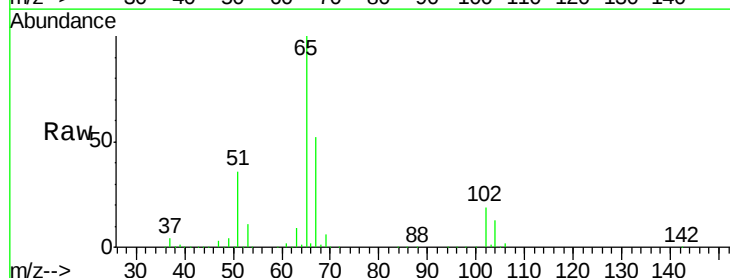
Acq: 27 Jun 2018 20:29

Tgt Ion: 65 Resp: 180680

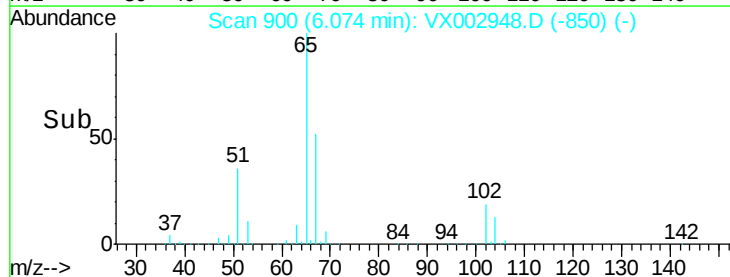
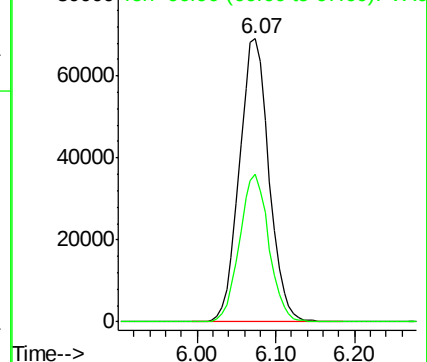
Ion Ratio Lower Upper

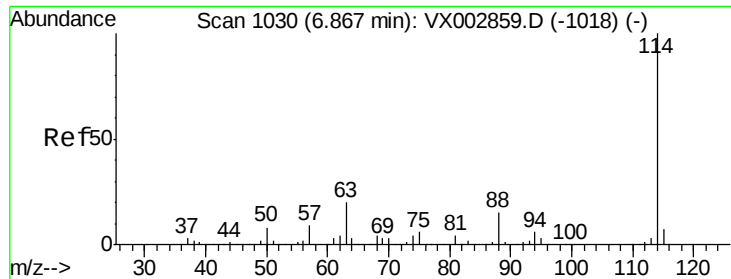
65 100

67 51.7 0.0 102.6



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

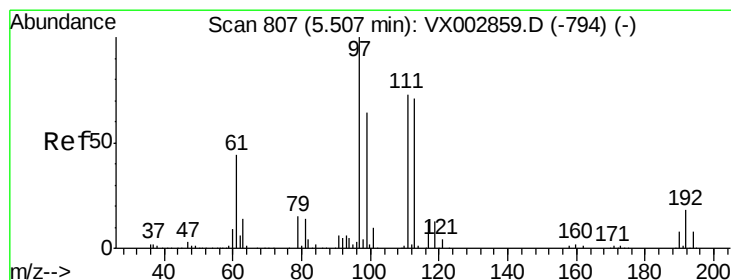
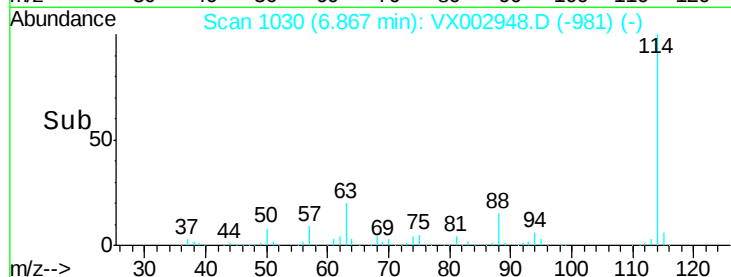
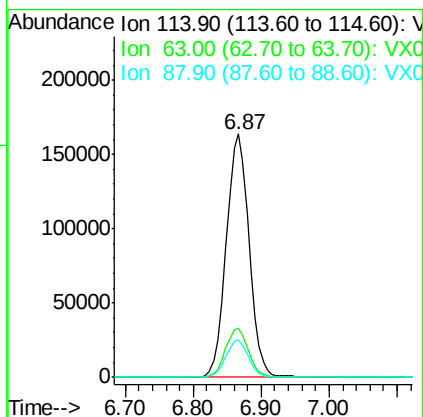
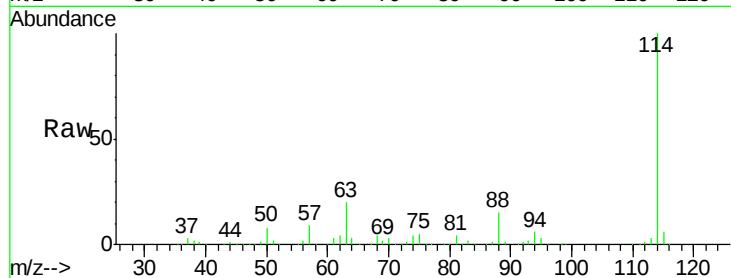




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002948.D
 Acq: 27 Jun 2018 20:29

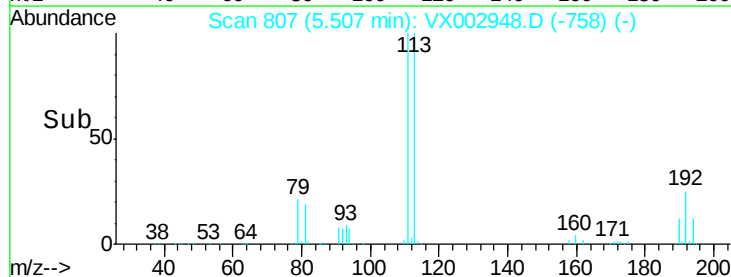
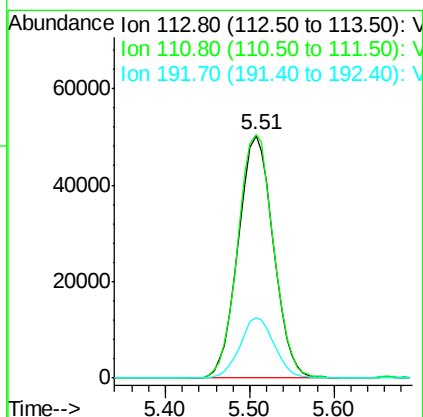
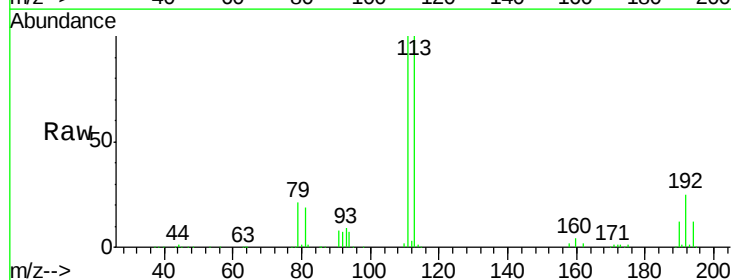
Instrument :
 MSVOA_X
 ClientSampleId :

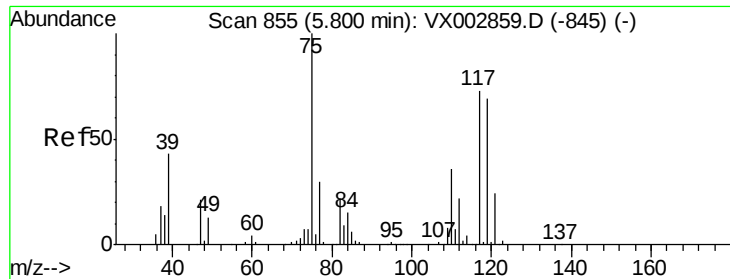
Tot Ion:114 Resp: 380624
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 15.3 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 47.20 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002948.D
 Acq: 27 Jun 2018 20:29

Tgt Ion:113 Resp: 142256
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.4 122.0
 192 24.4 19.1 28.7

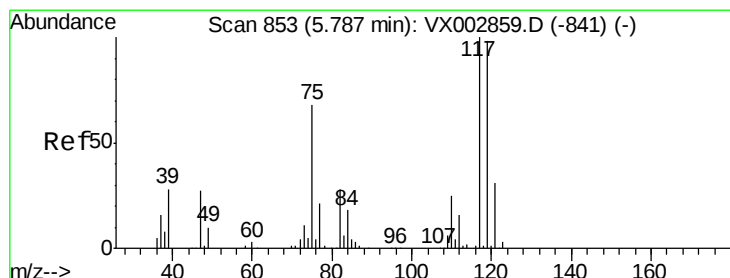
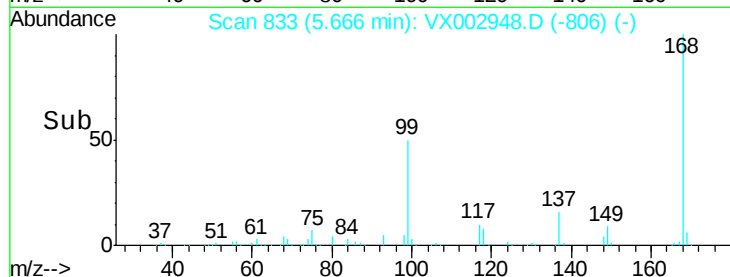
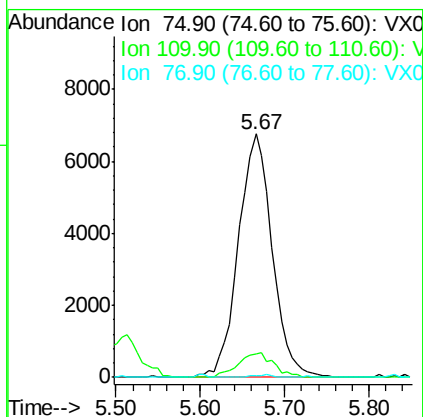
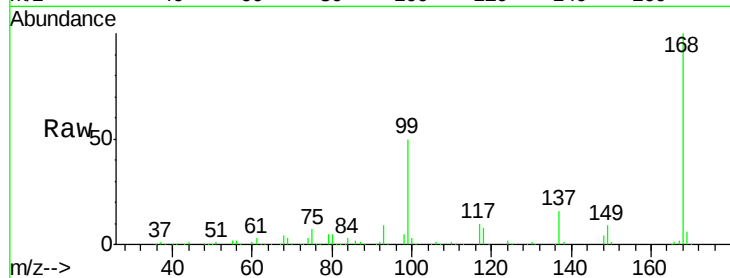




#36
 1,1-Dichloropropene
 Concen: 4.38 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002948.D
 Acq: 27 Jun 2018 20:29

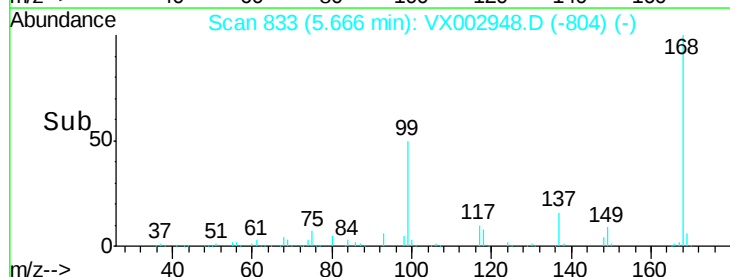
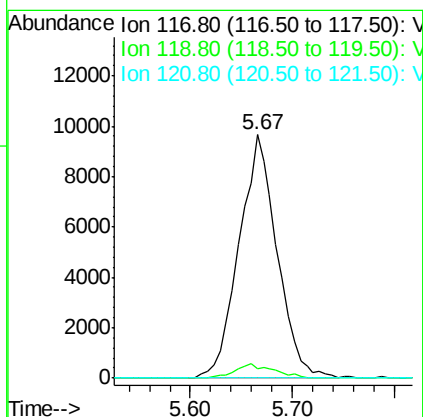
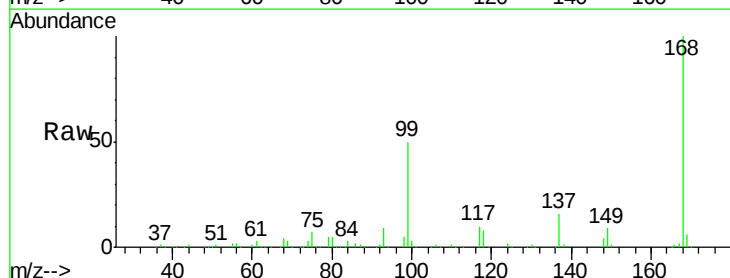
Instrument :
 MSVOA_X
 ClientSampleId :

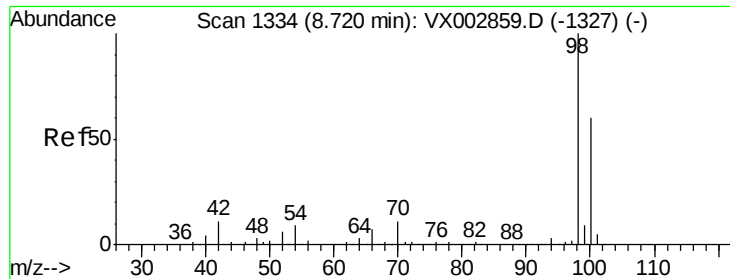
Tot Ion: 75 Resp: 18299
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.1 54.4#
 77 0.6 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.45 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002948.D
 Acq: 27 Jun 2018 20:29

Tgt Ion:117 Resp: 24953
 Ion Ratio Lower Upper
 117 100
 119 4.0 77.4 116.0#
 121 0.0 24.4 36.6#

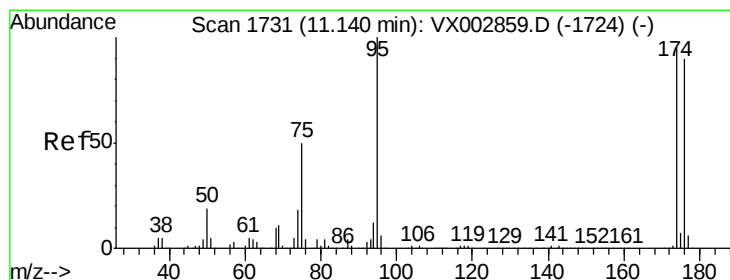
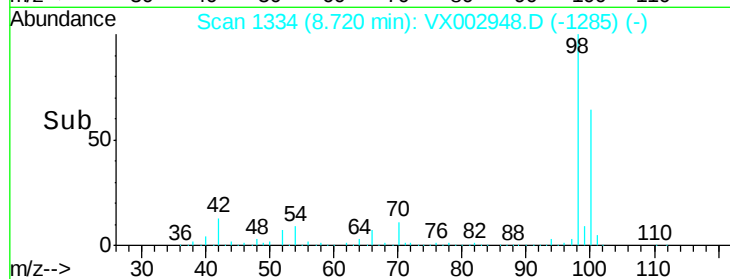
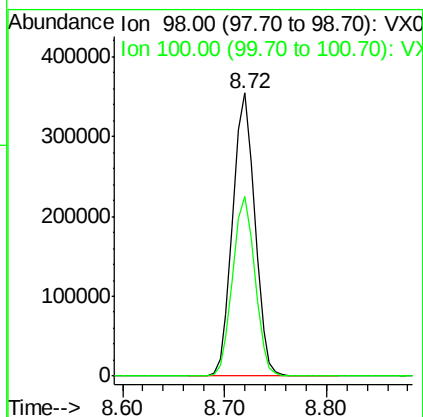
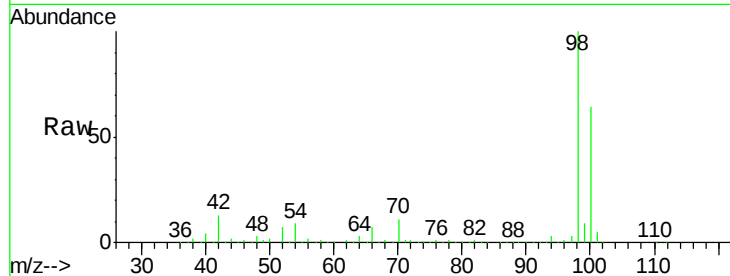




#50
Toluene-d8
Concen: 48.39 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002948.D
Acq: 27 Jun 2018 20:29

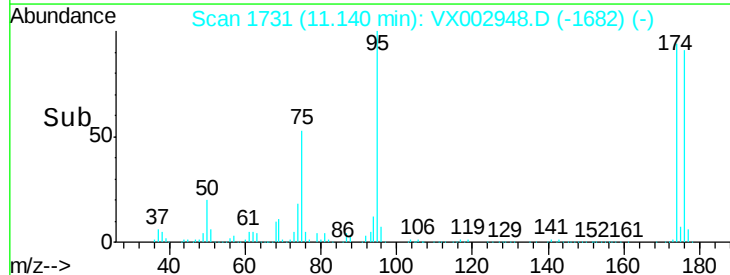
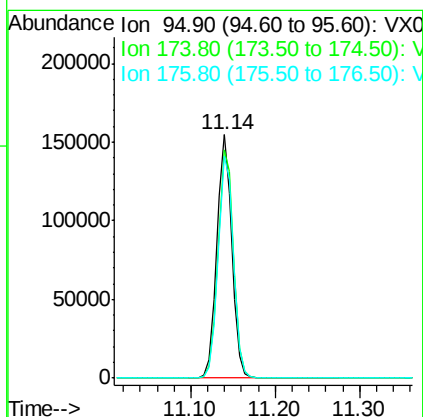
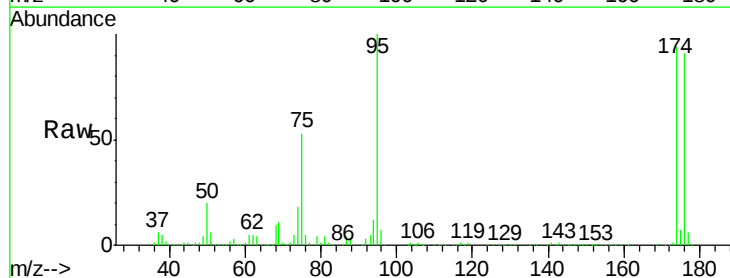
Instrument :
MSVOA_X
ClientSampleId :

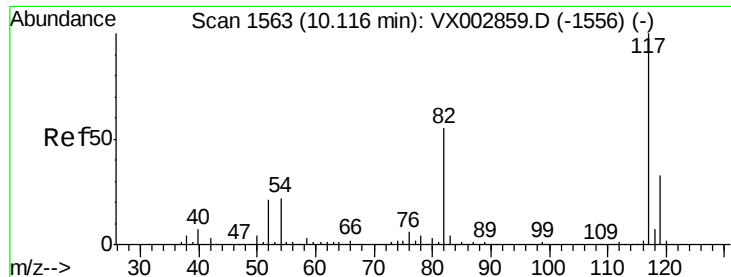
Tot Ion: 98 Resp: 532638
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 45.01 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002948.D
Acq: 27 Jun 2018 20:29

Tgt Ion: 95 Resp: 191052
Ion Ratio Lower Upper
95 100
174 96.7 0.0 187.4
176 93.7 0.0 181.0

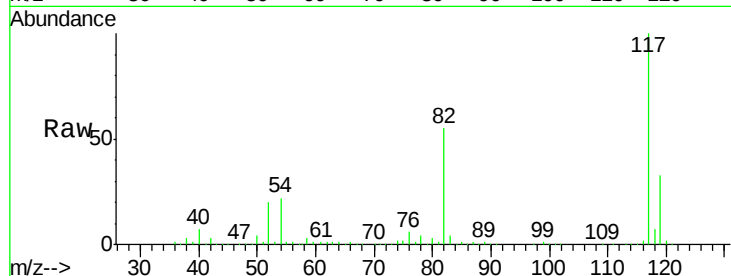




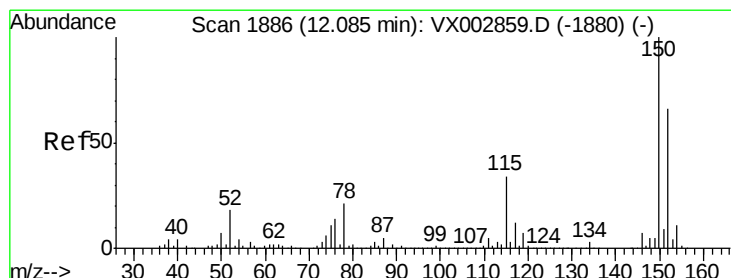
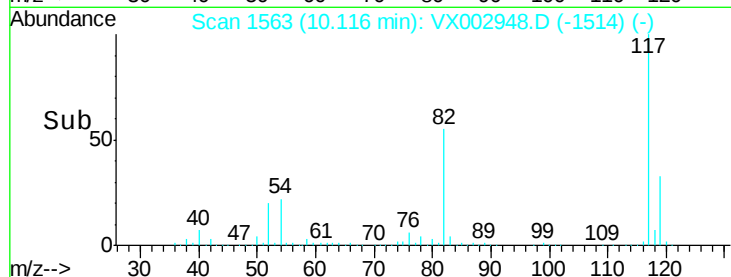
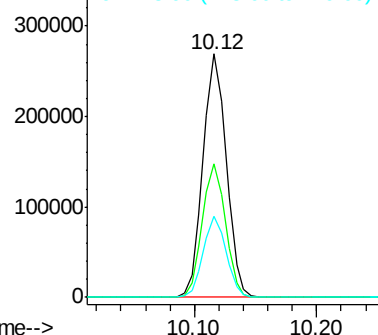
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002948.D
Acq: 27 Jun 2018 20:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 354293
Ion Ratio Lower Upper
117 100
82 55.0 45.0 67.4
119 33.1 25.8 38.6

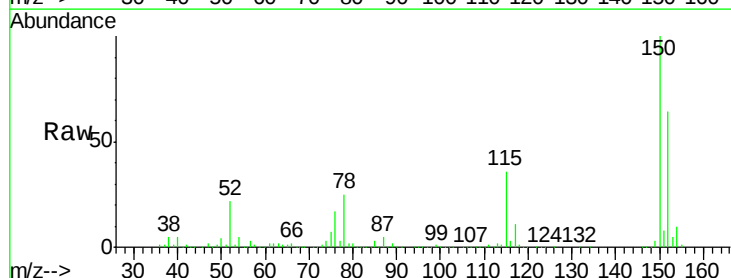


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

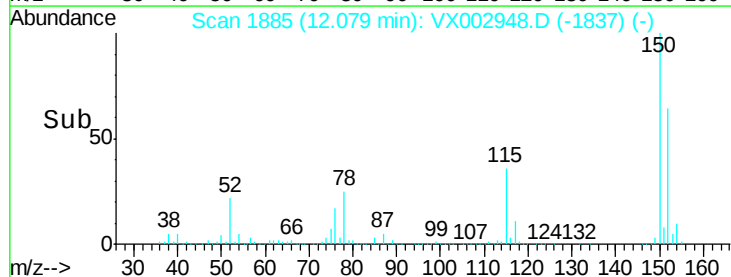
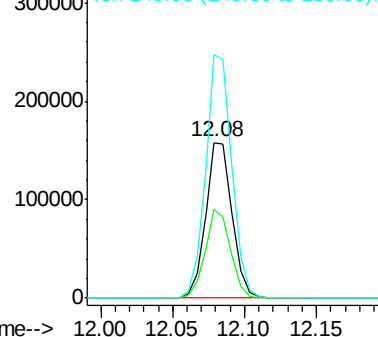


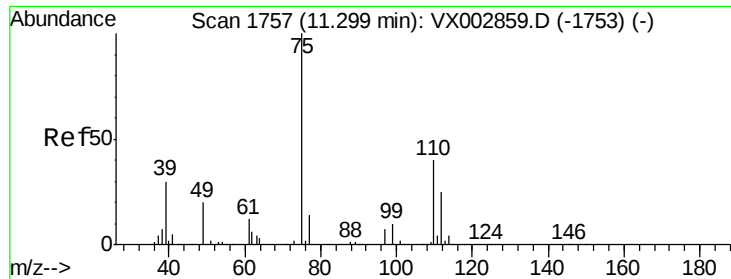
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002948.D
Acq: 27 Jun 2018 20:29

Tgt Ion:152 Resp: 202001
Ion Ratio Lower Upper
152 100
115 55.1 40.1 120.2
150 156.1 0.0 347.2



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

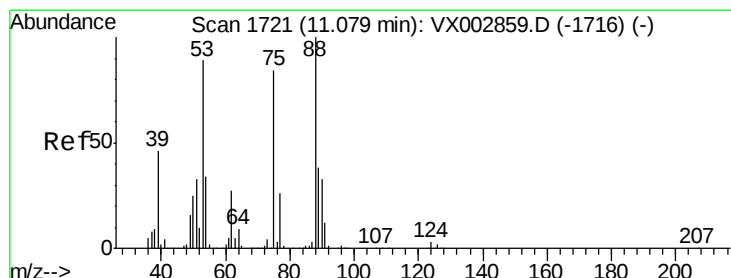
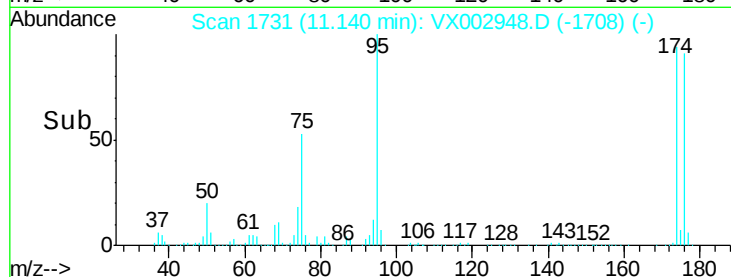
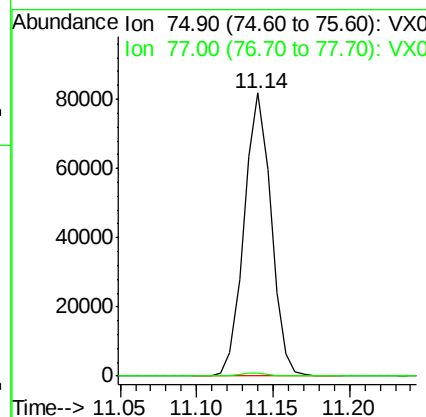
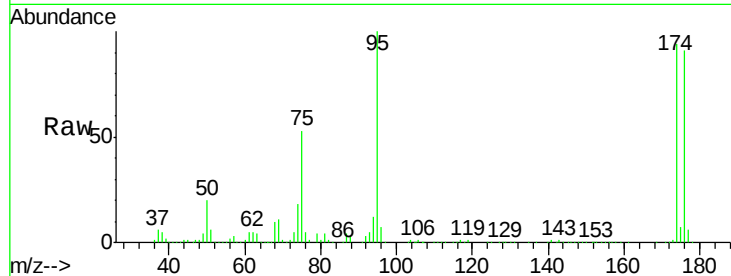




#76
 1,2,3-Trichloropropane
 Concen: 27.38 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002948.D
 Acq: 27 Jun 2018 20:29

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 100180
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.46 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002948.D
 Acq: 27 Jun 2018 20:29

Tgt Ion: 75 Resp: 100180
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

