

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062618\
 Data File : VX002892.D
 Acq On : 26 Jun 2018 11:57
 Operator : JC/MD
 Sample : VX0626WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 02:36:05 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	242691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	341557	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175593	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	163328	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
35) Dibromofluoromethane	5.51	113	131509	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
50) Toluene-d8	8.72	98	481122	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	11.14	95	164630	43.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.44%	

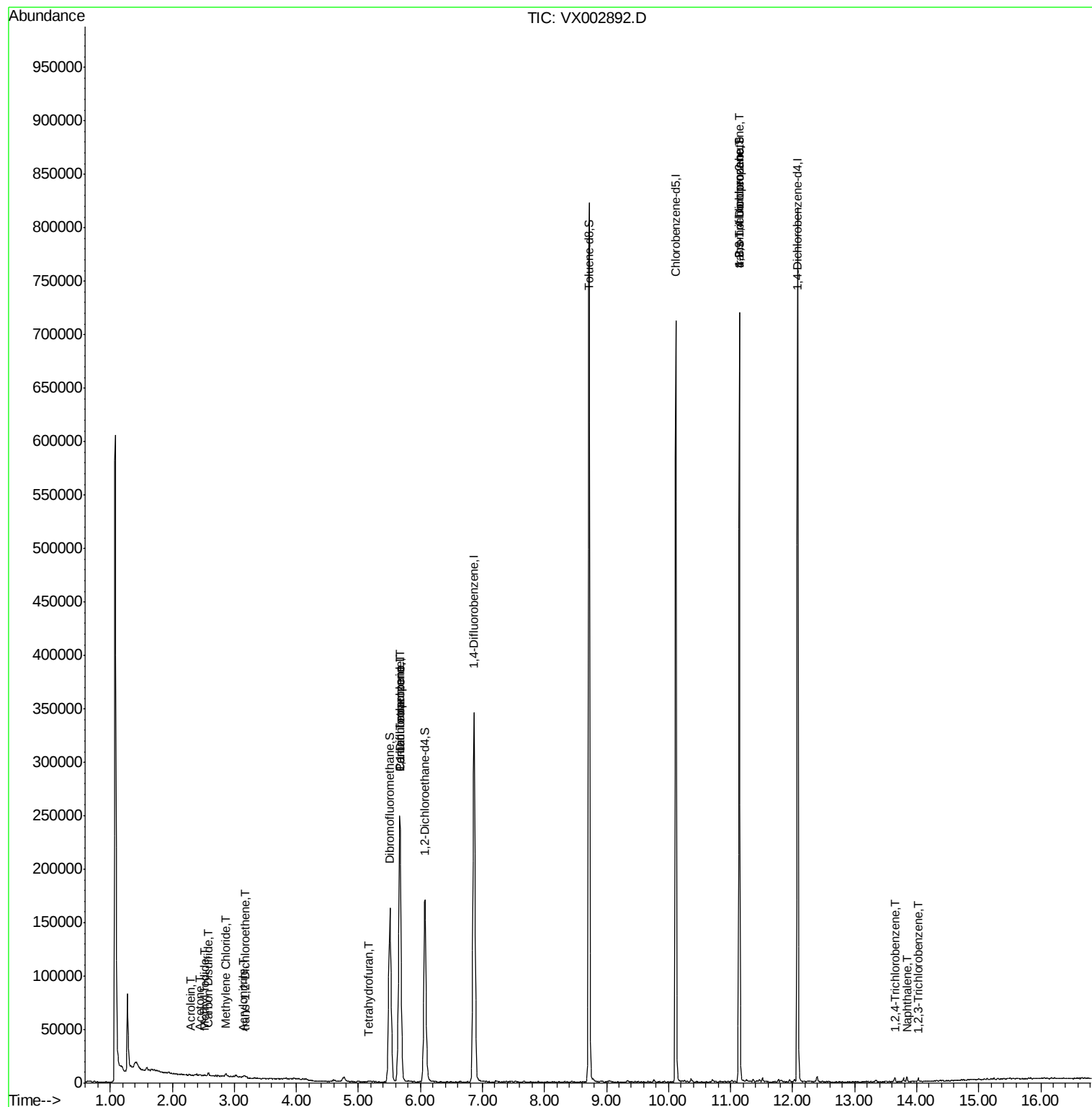
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	76	Below Cal	#	43
3) Chloromethane	1.32	50	693	Below Cal	#	94
5) Bromomethane	1.62	94	53	Below Cal	#	3
6) Chloroethane	1.68	64	649	Below Cal	#	44
10) Methyl Iodide	2.52	142	988	6.54	ug/l	90
13) Acrolein	2.31	56	511	5.59	ug/l	66
15) Acrylonitrile	3.15	53	766	0.54	ug/l	81
16) Acetone	2.45	43	767	0.55	ug/l	95
17) Carbon Disulfide	2.57	76	3420	0.54	ug/l	92
20) Methylene Chloride	2.87	84	1140	0.42	ug/l	77
21) trans-1,2-Dichloroethene	3.18	96	575	0.22	ug/l	72
29) Tetrahydrofuran	5.16	42	1016	0.77	ug/l	55
36) 1,1-Dichloropropene	5.67	75	16984	4.53	ug/l	50
38) Carbon Tetrachloride	5.67	117	22160	5.39	ug/l	17
76) 1,2,3-Trichloropropane	11.14	75	86975	27.35	ug/l	33
81) trans-1,4-Dichloro-2-buten	11.14	75	86975	77.37	ug/l	6
93) 1,2,4-Trichlorobenzene	13.65	180	1113	0.25	ug/l	93
95) Naphthalene	13.84	128	2671	0.22	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	960	0.21	ug/l	89

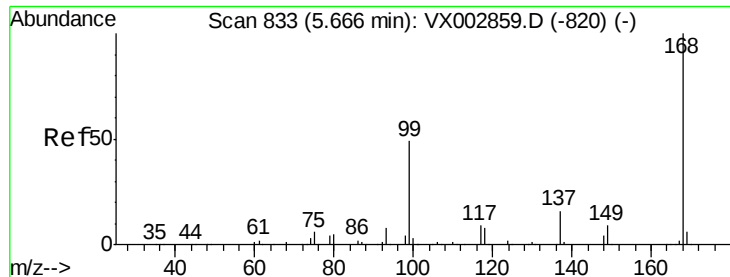
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX002892.D

Acq: 26 Jun 2018 11:57

Instrument :

MSVOA_X

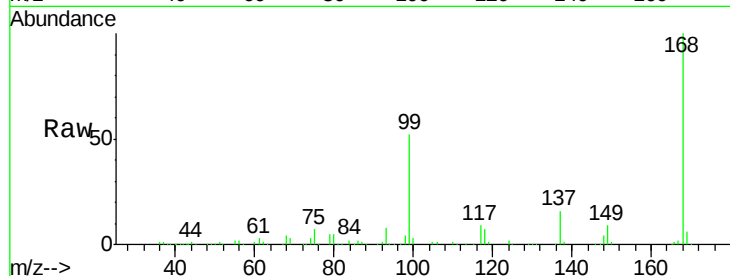
ClientSampleId :

Tot Ion:168 Resp: 242691

Ion Ratio Lower Upper

168 100

99 52.5 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

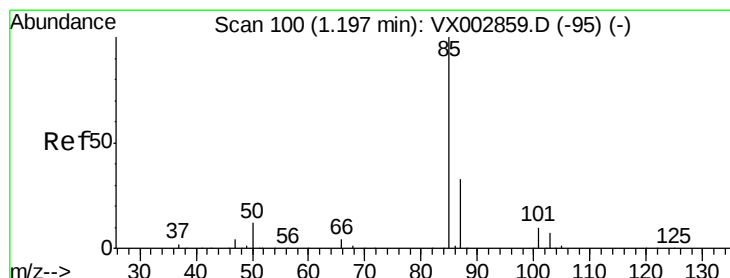
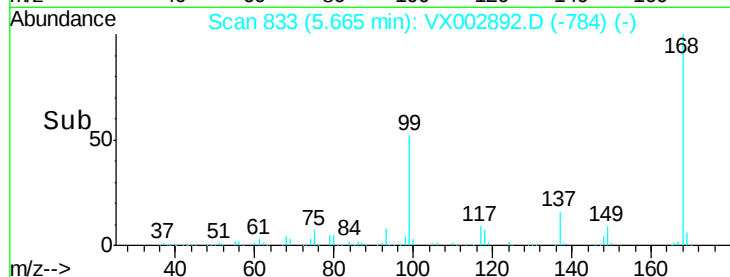
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.21 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX002892.D

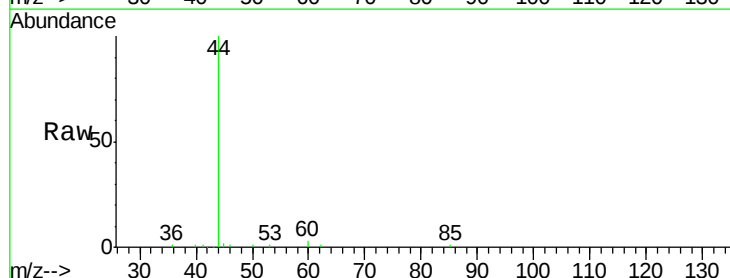
Acq: 26 Jun 2018 11:57

Tgt Ion: 85 Resp: 76

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.21

100

80

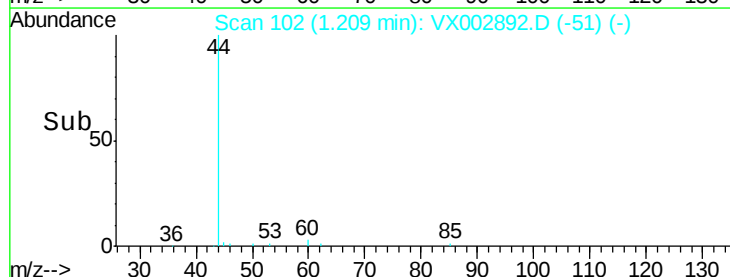
60

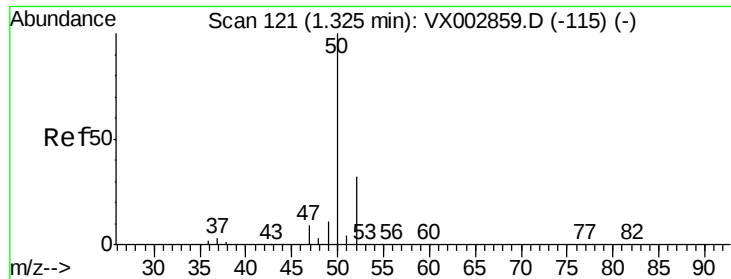
40

20

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002892.D

Acq: 26 Jun 2018 11:57

Instrument :

MSVOA_X

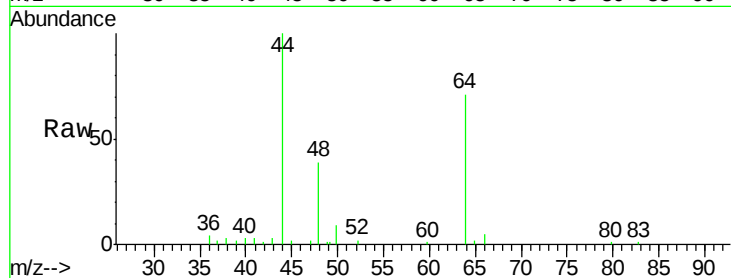
ClientSampleId :

Tot Ion: 50 Resp: 693

Ion Ratio Lower Upper

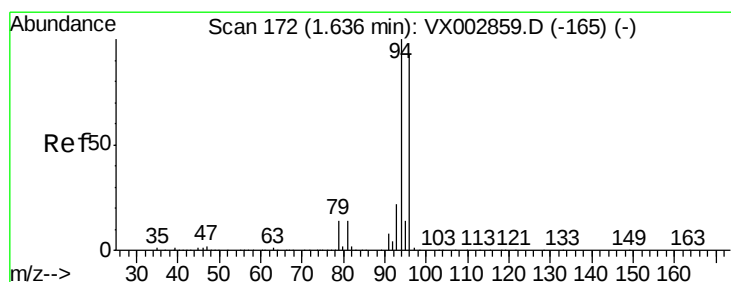
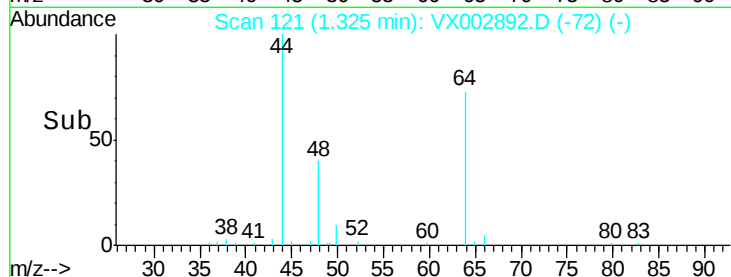
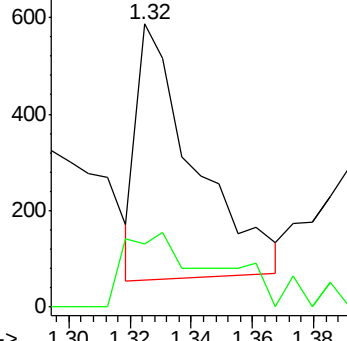
50 100

52 28.9 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VX002892.D

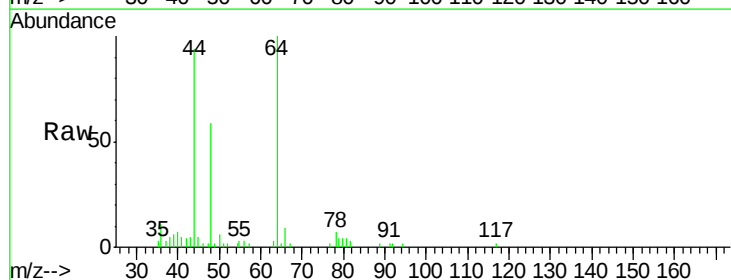
Acq: 26 Jun 2018 11:57

Tgt Ion: 94 Resp: 53

Ion Ratio Lower Upper

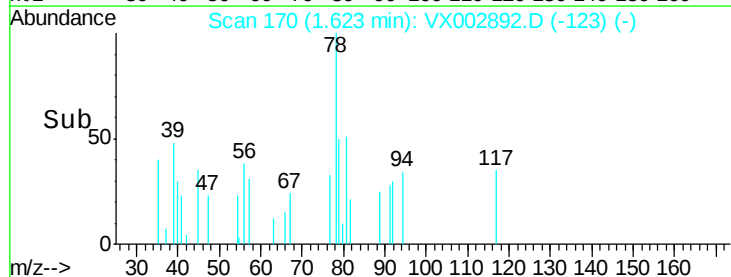
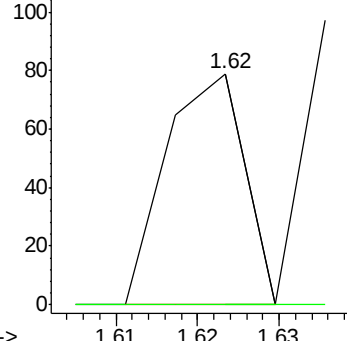
94 100

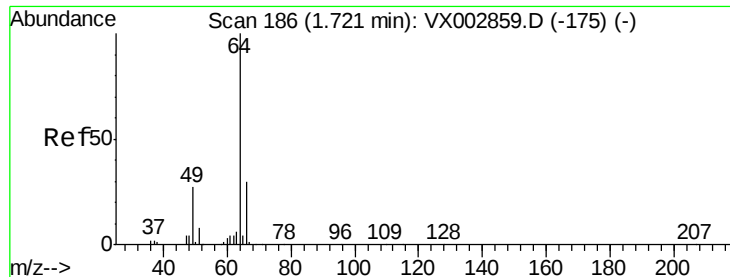
96 0.0 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 179

Delta R.T. -0.04 min

Lab File: VX002892.D

Acq: 26 Jun 2018 11:57

Instrument :

MSVOA_X

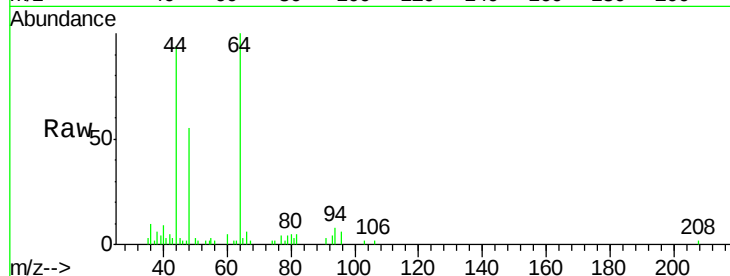
ClientSampleId :

Tot Ion: 64 Resp: 649

Ion Ratio Lower Upper

64 100

66 0.7 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.68

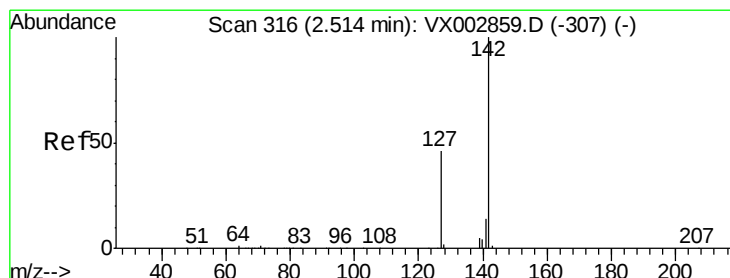
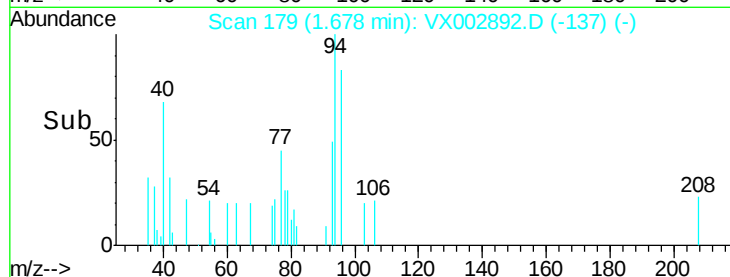
3000

2000

1000

0

Time-->



#10

Methyl Iodide

Concen: 6.54 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002892.D

Acq: 26 Jun 2018 11:57

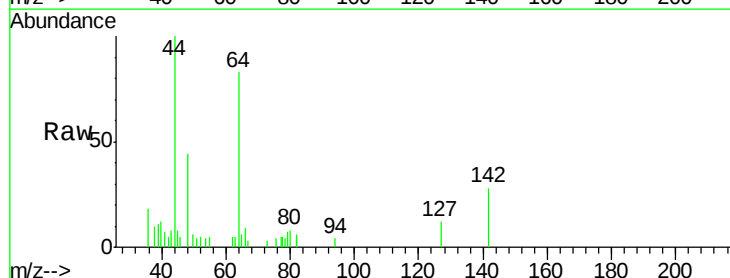
Tgt Ion: 142 Resp: 988

Ion Ratio Lower Upper

142 100

127 42.2 36.6 55.0

141 4.8 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

2.52

600

500

400

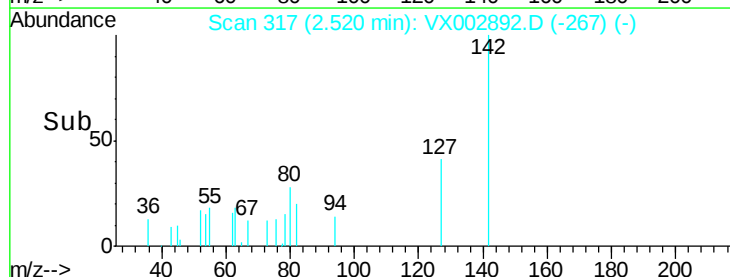
300

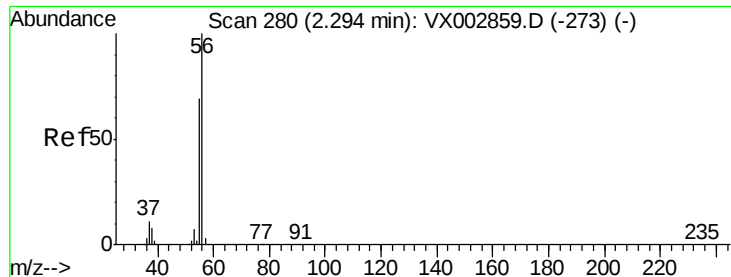
200

100

0

Time-->





#13

Acrolein

Concen: 5.59 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX002892.D

Acq: 26 Jun 2018 11:57

Instrument :

MSVOA_X

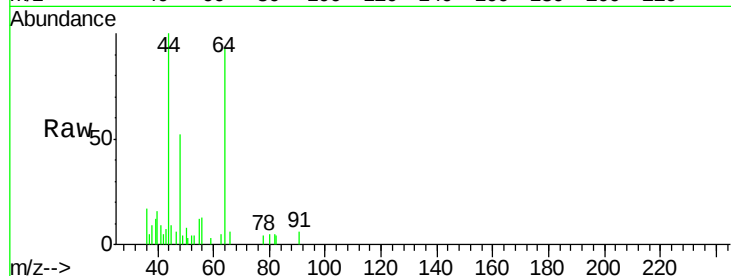
ClientSampled :

Tot Ion: 56 Resp: 511

Ion Ratio Lower Upper

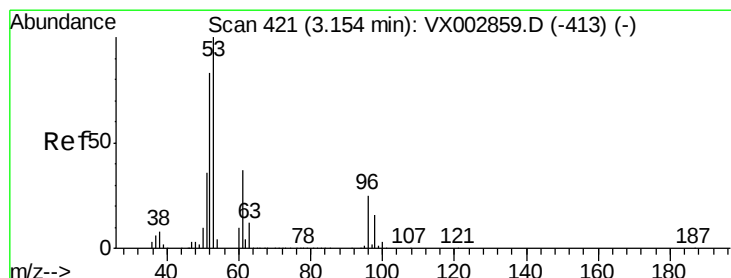
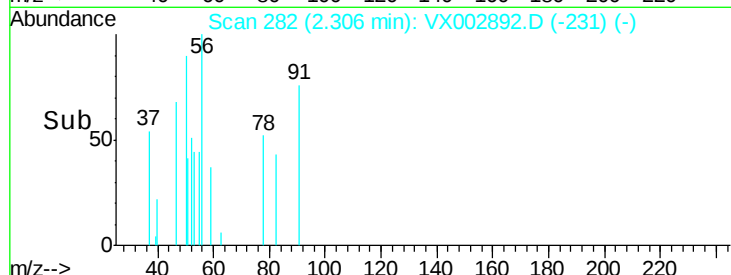
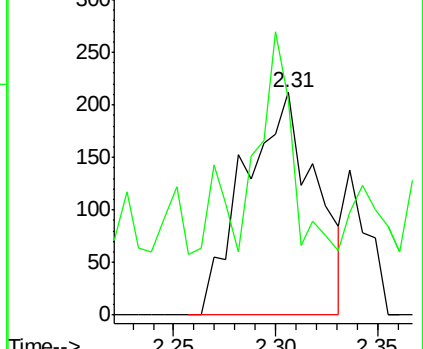
56 100

55 43.2 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.54 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002892.D

Acq: 26 Jun 2018 11:57

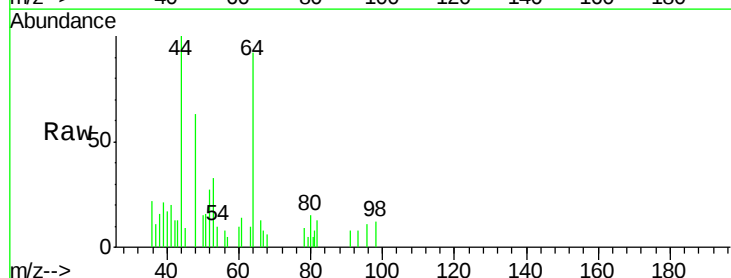
Tgt Ion: 53 Resp: 766

Ion Ratio Lower Upper

53 100

52 102.5 66.7 100.1#

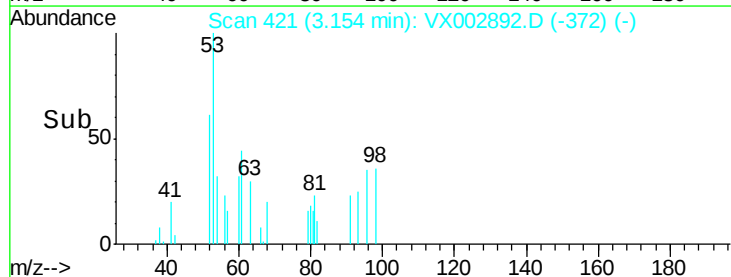
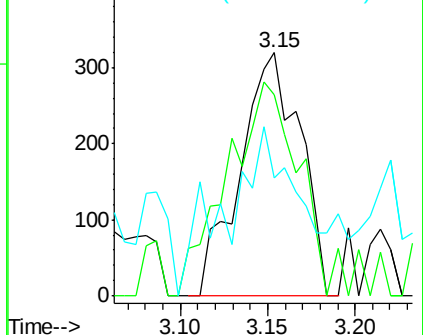
51 45.7 29.9 44.9#

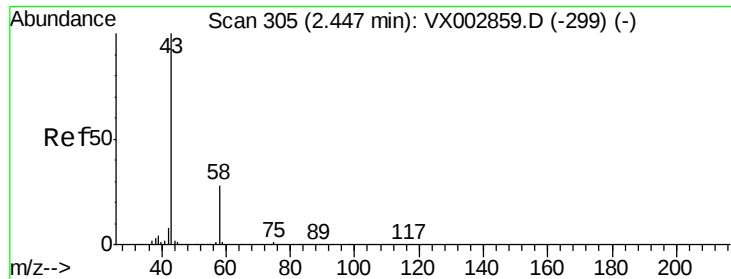


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.55 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX002892.D

Acq: 26 Jun 2018 11:57

Instrument :

MSVOA_X

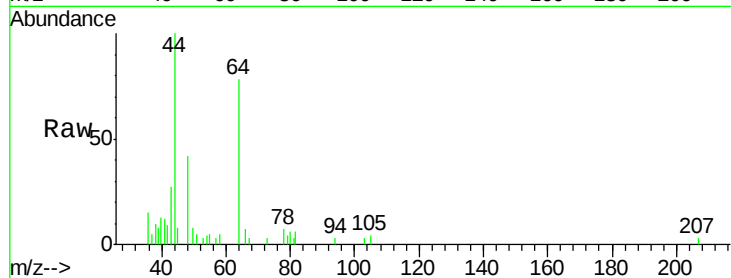
ClientSampled :

Tot Ion: 43 Resp: 767

Ion Ratio Lower Upper

43 100

58 25.0 22.1 33.1

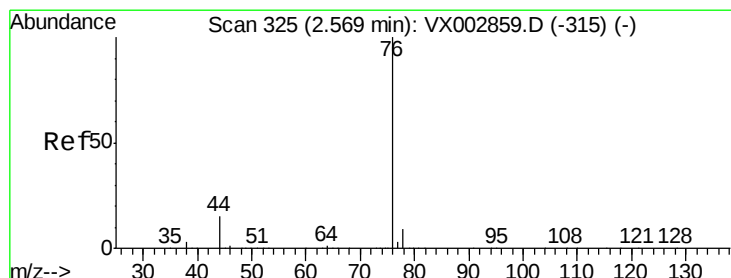
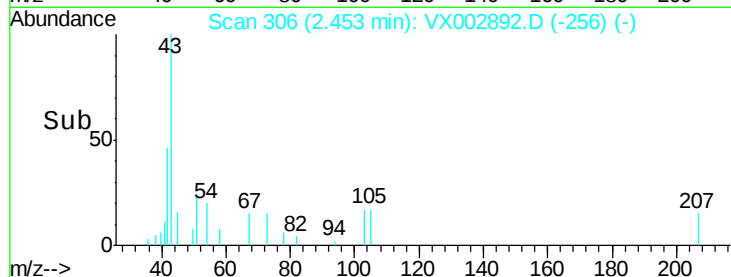


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

Time-->



#17

Carbon Disulfide

Concen: 0.54 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002892.D

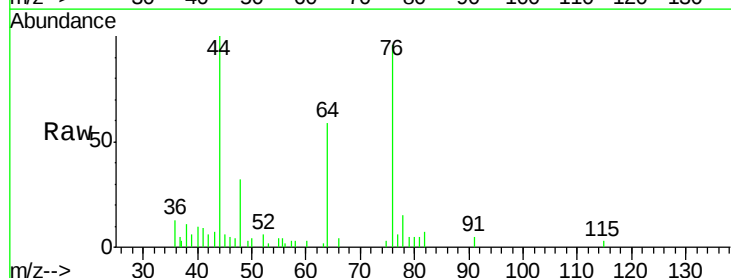
Acq: 26 Jun 2018 11:57

Tgt Ion: 76 Resp: 3420

Ion Ratio Lower Upper

76 100

78 11.4 6.9 10.3#

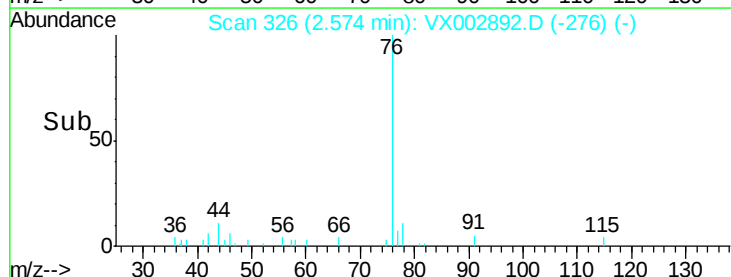


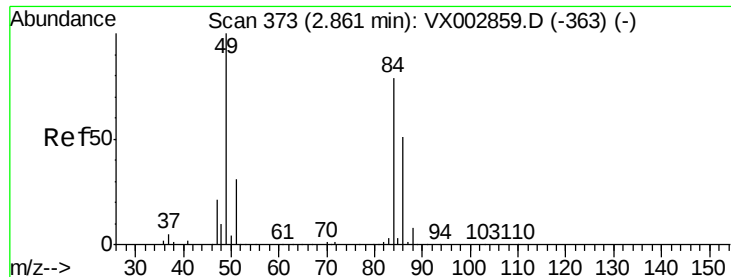
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

Time-->

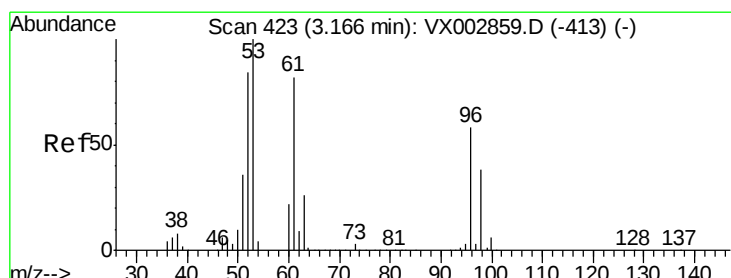
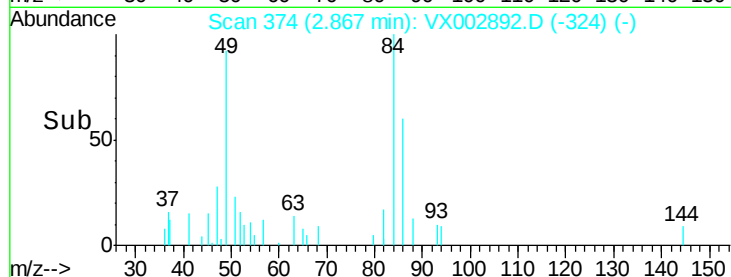
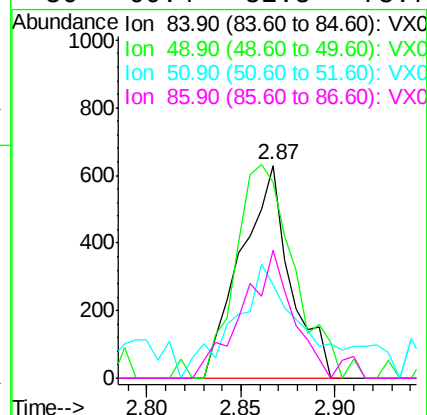
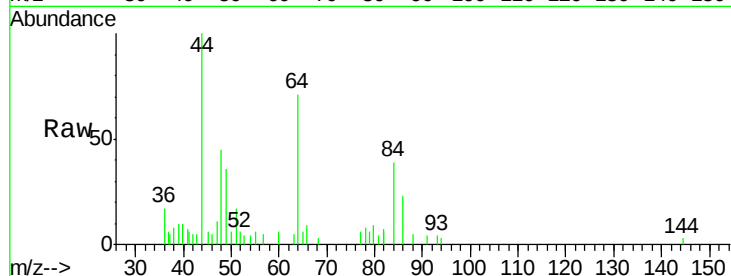




#20
Methvlene Chloride
Concen: 0.42 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX002892.D
Acq: 26 Jun 2018 11:57

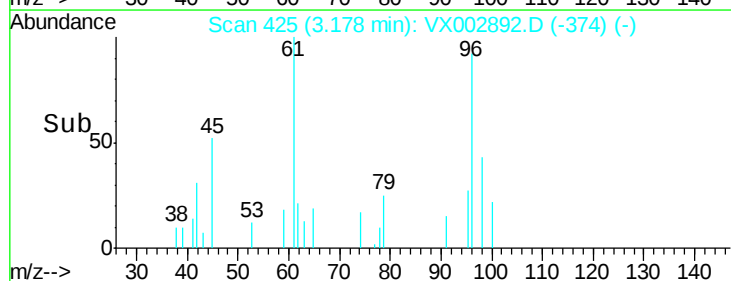
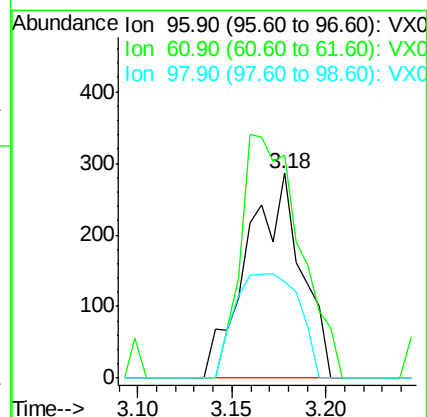
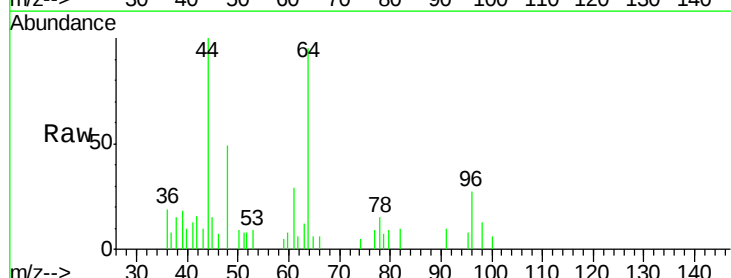
Instrument :
MSVOA_X
ClientSampleId :

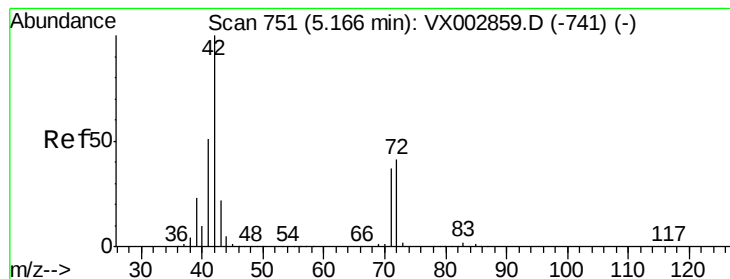
Tot Ion: 84 Resp: 1140
Ion Ratio Lower Upper
84 100
49 92.4 107.8 161.6#
51 34.2 32.8 49.2
86 60.4 52.5 78.7



#21
trans-1,2-Dichloroethene
Concen: 0.22 ug/l
RT: 3.18 min Scan# 425
Delta R.T. 0.01 min
Lab File: VX002892.D
Acq: 26 Jun 2018 11:57

Tgt Ion: 96 Resp: 575
Ion Ratio Lower Upper
96 100
61 109.1 117.0 175.4#
98 46.9 52.4 78.6#





#29

Tetrahydrofuran

Concen: 0.77 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX002892.D

Acq: 26 Jun 2018 11:57

Instrument :

MSVOA_X

ClientSampled :

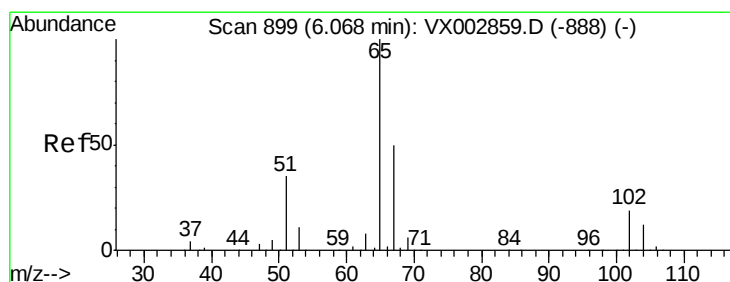
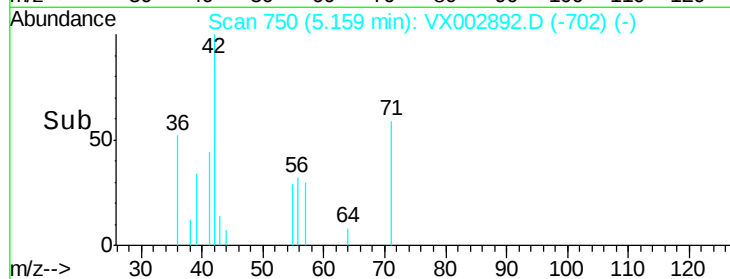
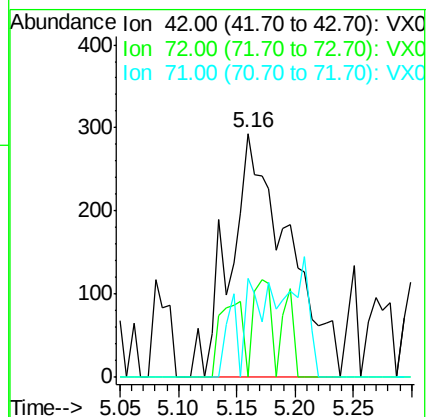
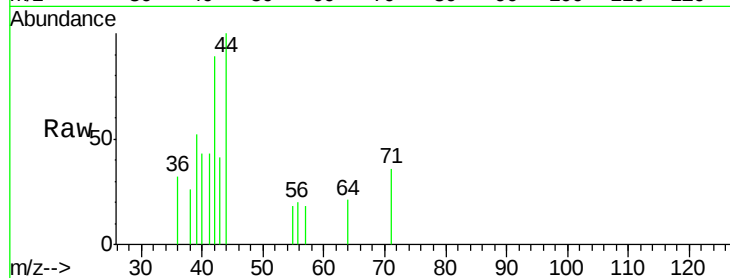
Tot Ion: 42 Resp: 1016

Ion Ratio Lower Upper

42 100

72 12.0 32.0 48.0#

71 10.3 30.1 45.1#



#33

1,2-Dichloroethane-d4

Concen: 48.69 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX002892.D

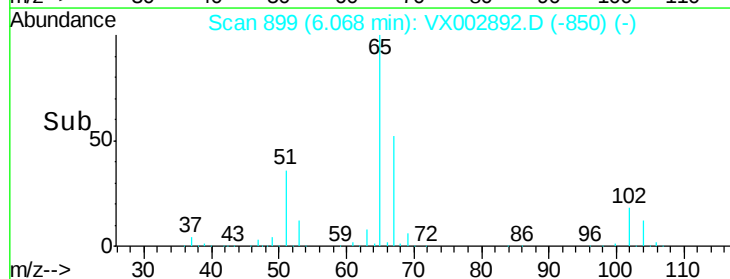
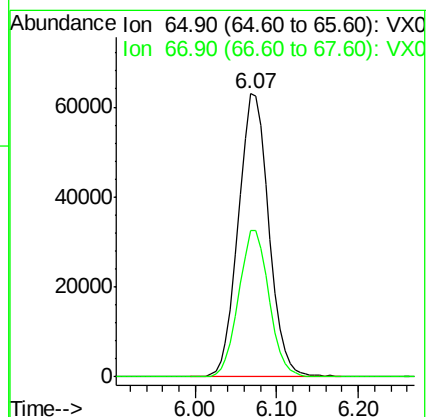
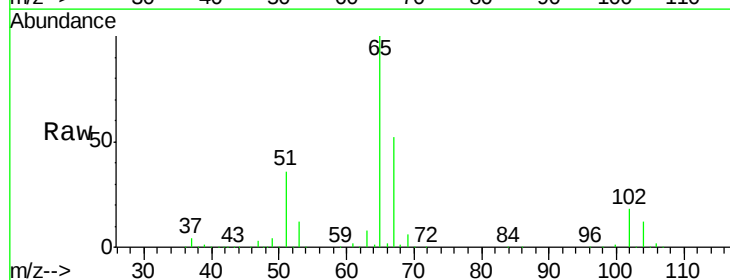
Acq: 26 Jun 2018 11:57

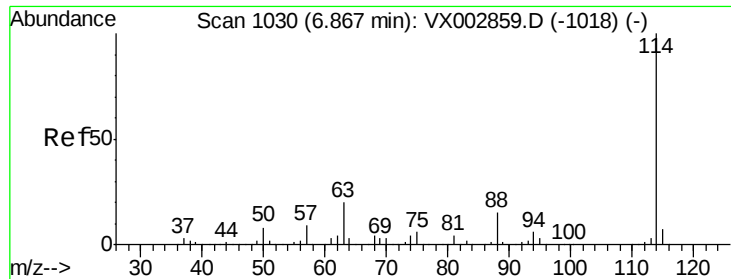
Tgt Ion: 65 Resp: 163328

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.6

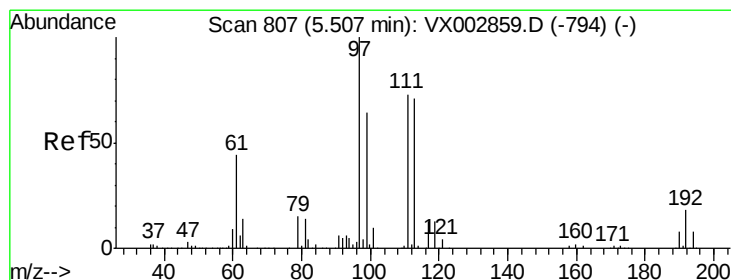
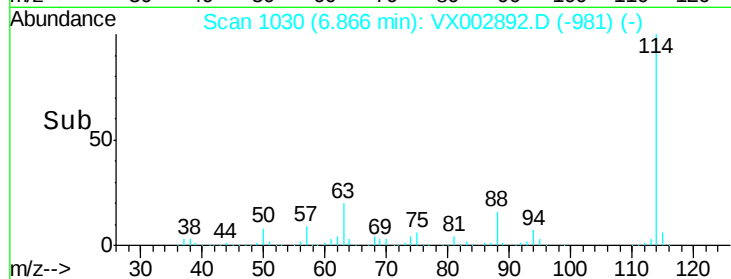
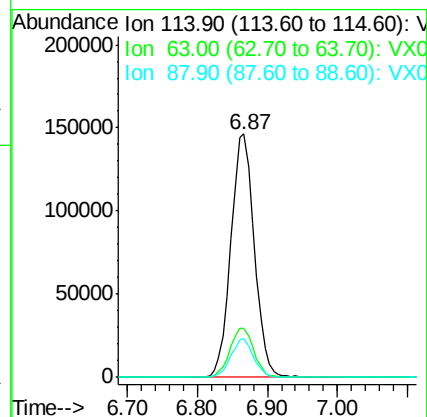
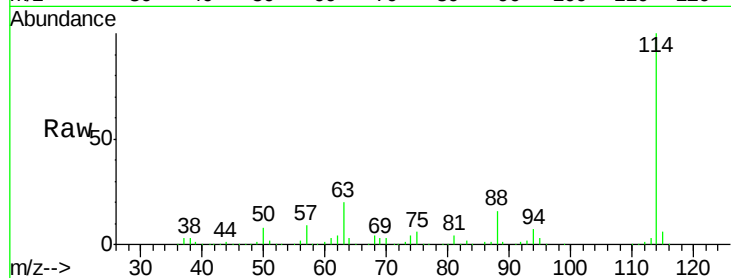




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002892.D
 Acq: 26 Jun 2018 11:57

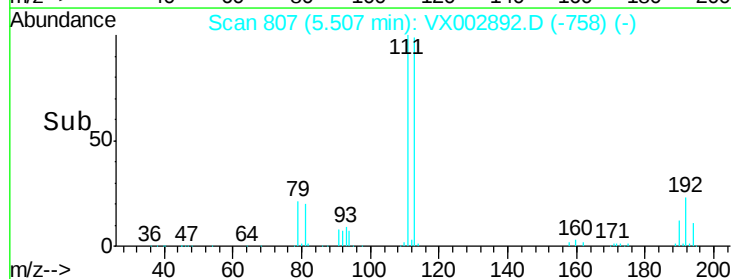
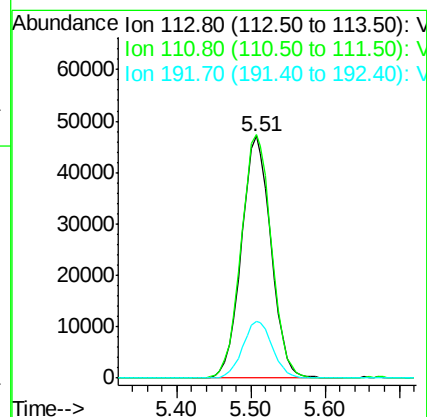
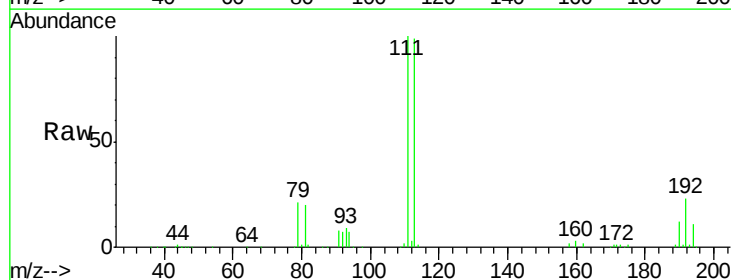
Instrument :
 MSVOA_X
 ClientSampleId :

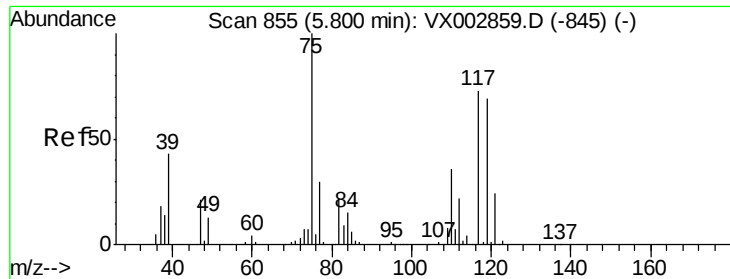
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.4
88	15.9	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 48.62 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002892.D
 Acq: 26 Jun 2018 11:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.0
192	23.7	19.1	28.7

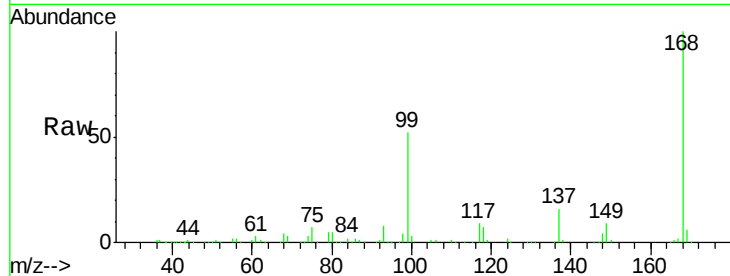




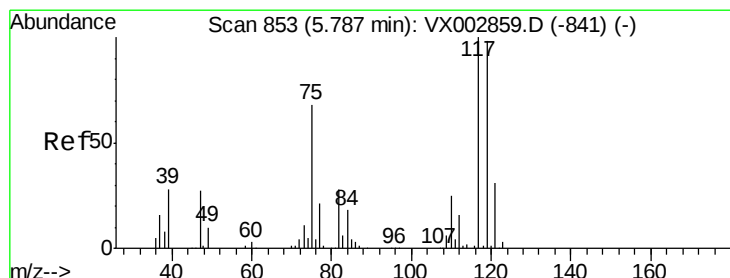
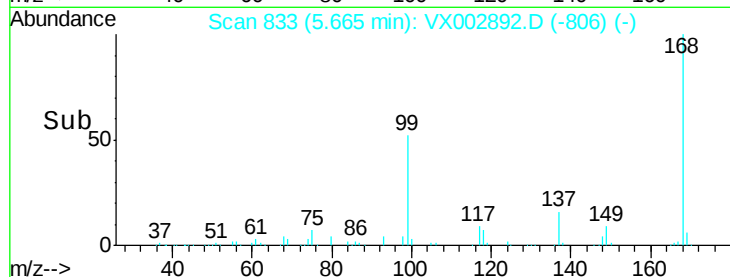
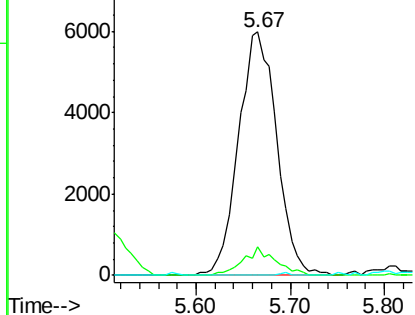
#36
 1,1-Dichloropropene
 Concen: 4.53 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002892.D
 Acq: 26 Jun 2018 11:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 16984
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.1 54.4#
 77 0.0 24.3 36.5#

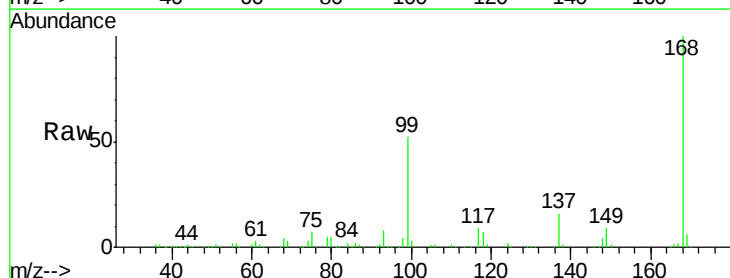


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

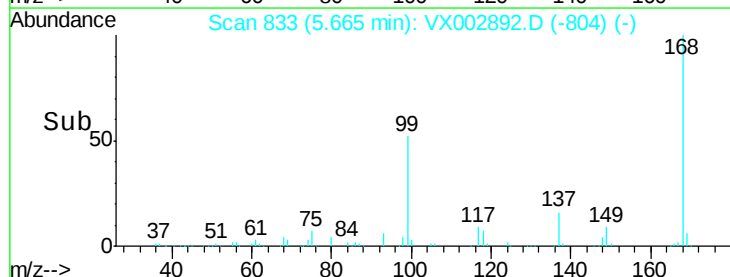
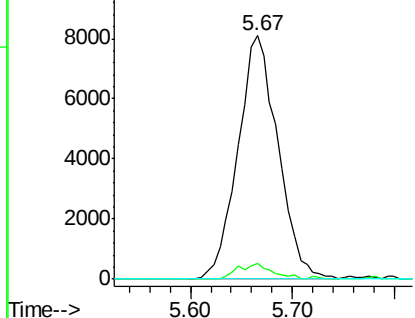


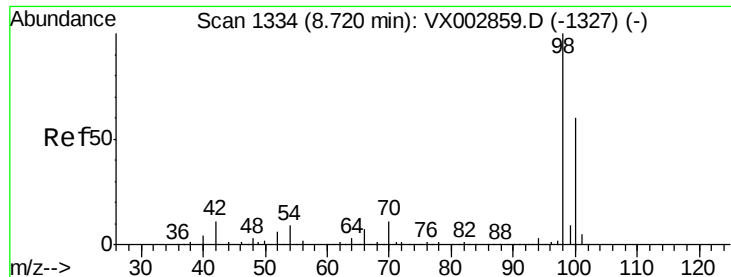
#38
 Carbon Tetrachloride
 Concen: 5.39 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002892.D
 Acq: 26 Jun 2018 11:57

Tgt Ion: 117 Resp: 22160
 Ion Ratio Lower Upper
 117 100
 119 6.4 77.4 116.0#
 121 0.0 24.4 36.6#



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: 48.71 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002892.D

Acq: 26 Jun 2018 11:57

Instrument :

MSVOA_X

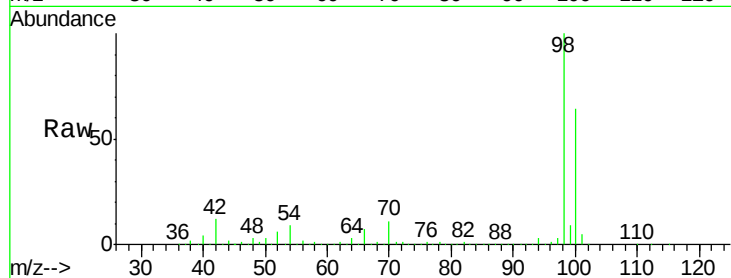
ClientSampleId :

Tot Ion: 98 Resp: 481122

Ion Ratio Lower Upper

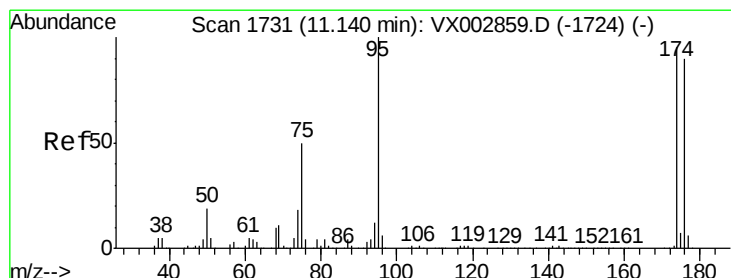
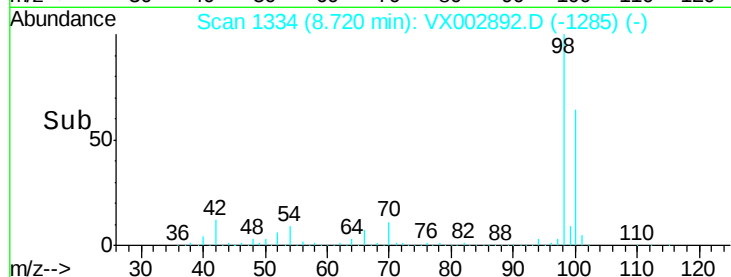
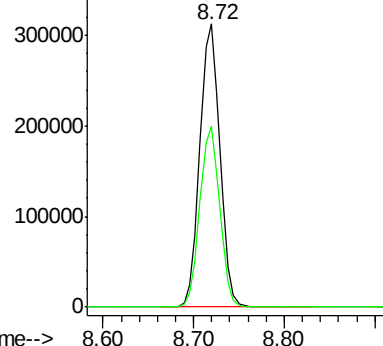
98 100

100 63.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 43.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002892.D

Acq: 26 Jun 2018 11:57

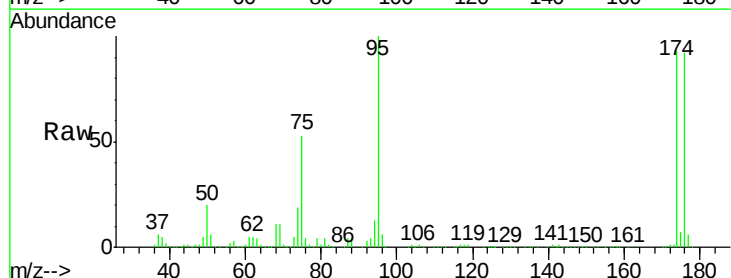
Tgt Ion: 95 Resp: 164630

Ion Ratio Lower Upper

95 100

174 97.2 0.0 187.4

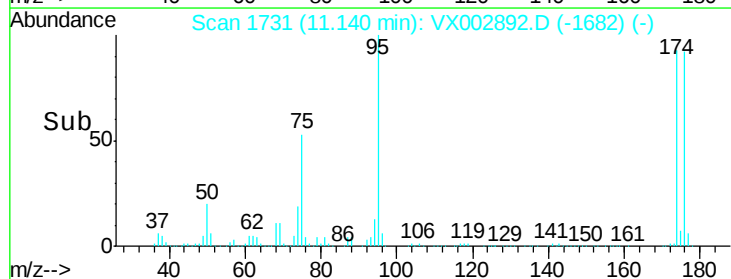
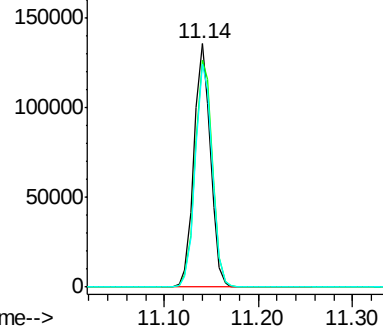
176 94.0 0.0 181.0

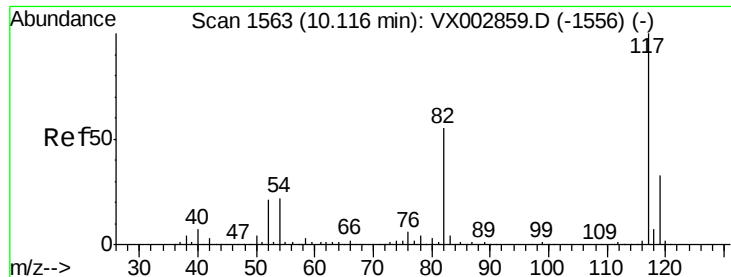


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

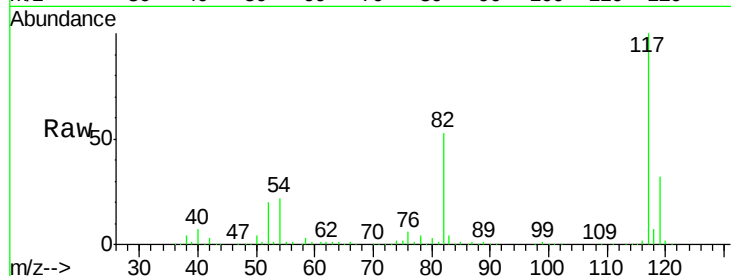




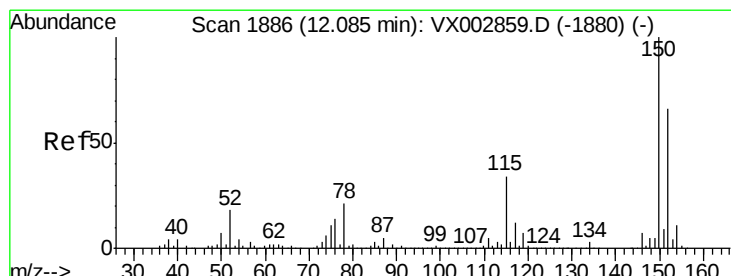
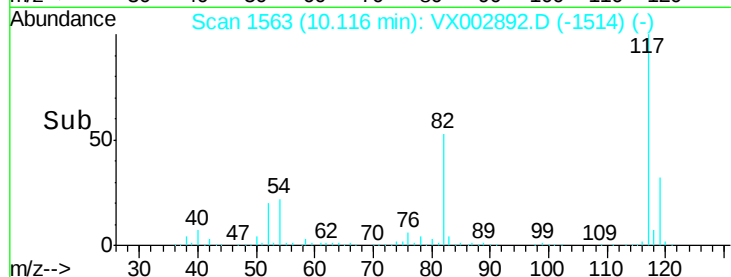
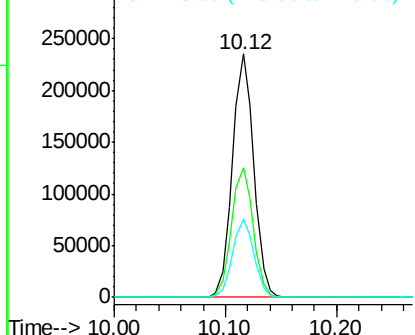
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002892.D
Acq: 26 Jun 2018 11:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 311974
Ion Ratio Lower Upper
117 100
82 53.4 45.0 67.4
119 32.0 25.8 38.6

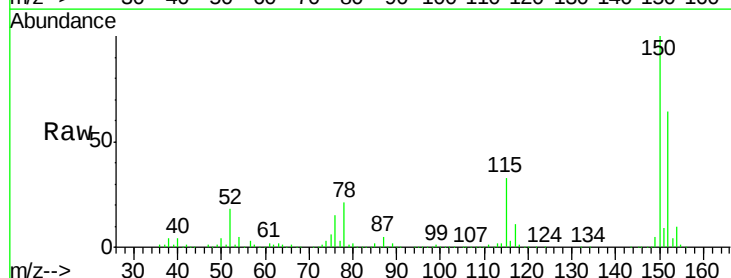


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

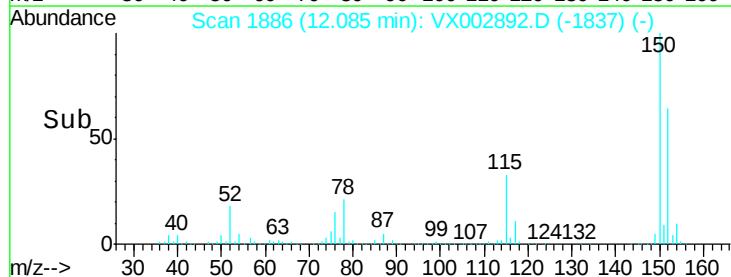
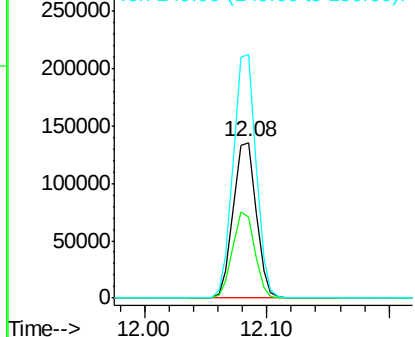


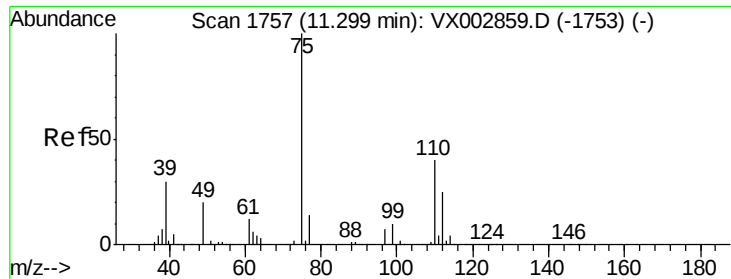
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002892.D
Acq: 26 Jun 2018 11:57

Tgt Ion:152 Resp: 175593
Ion Ratio Lower Upper
152 100
115 53.8 40.1 120.2
150 155.9 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: 27.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002892.D

Acq: 26 Jun 2018 11:57

Instrument :

MSVOA_X

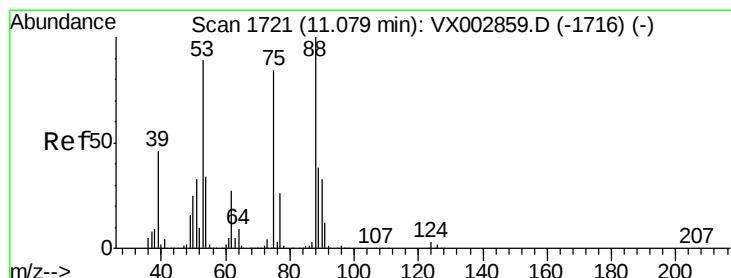
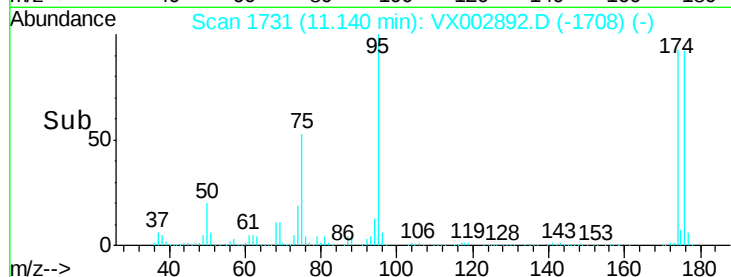
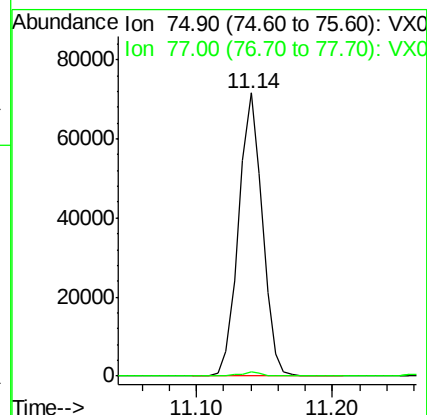
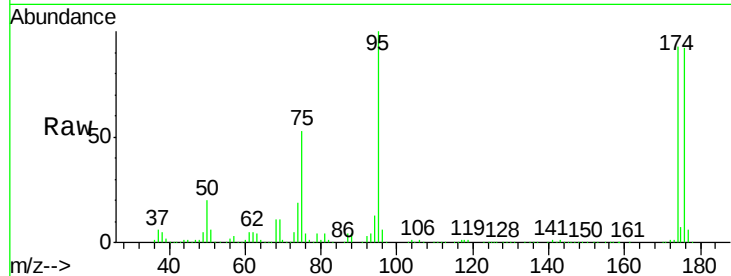
ClientSampled :

Tot Ion: 75 Resp: 86975

Ion Ratio Lower Upper

75 100

77 1.5 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.37 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002892.D

Acq: 26 Jun 2018 11:57

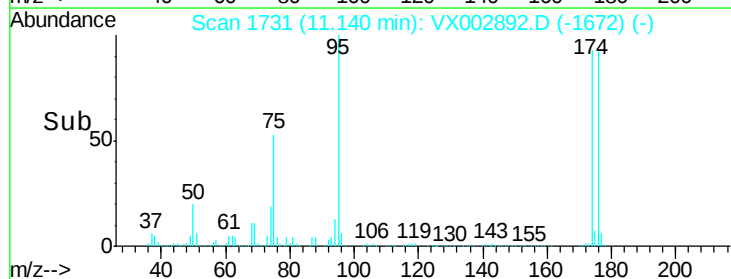
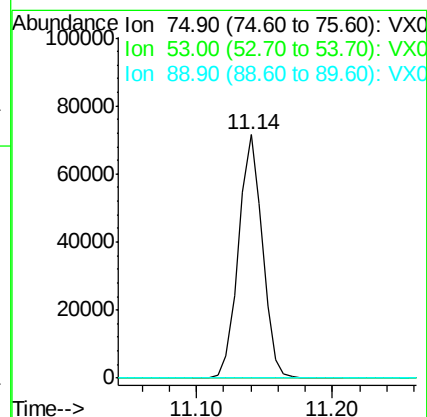
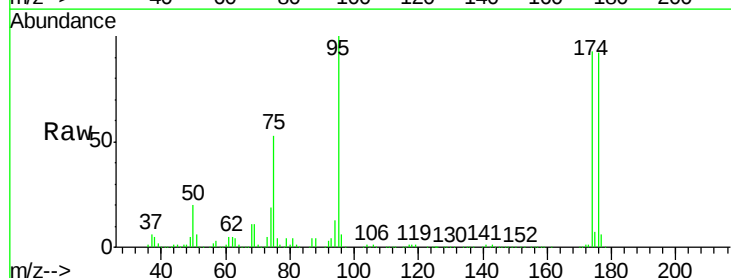
Tgt Ion: 75 Resp: 86975

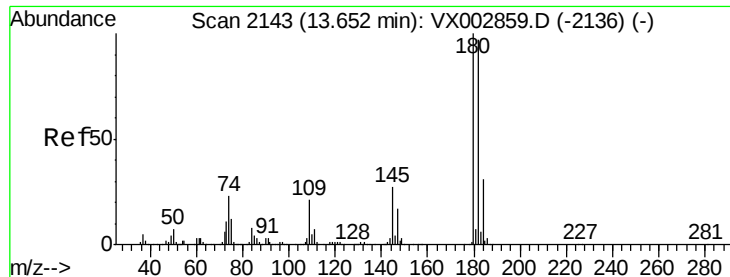
Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#

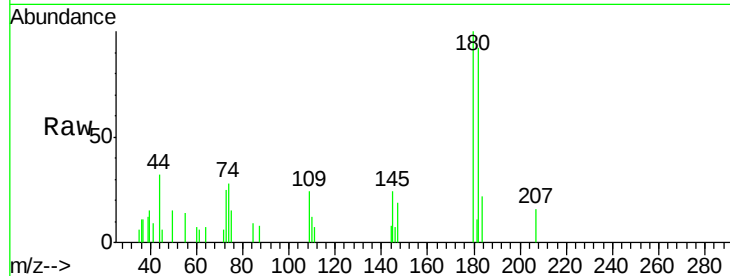




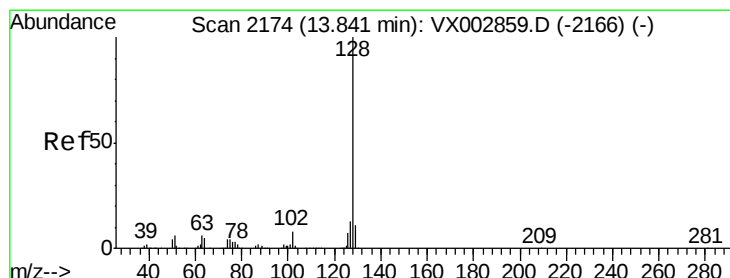
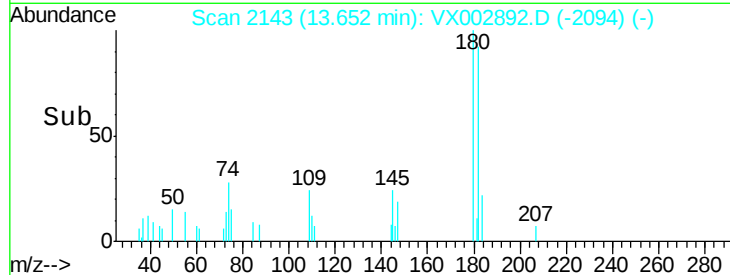
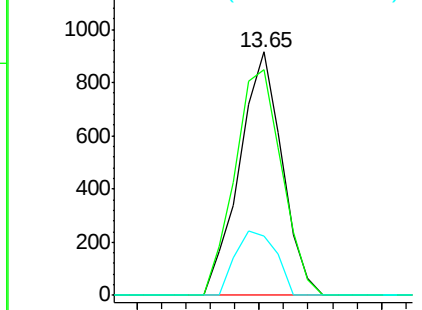
#93
 1,2,4-Trichlorobenzene
 Concen: 0.25 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002892.D
 Acq: 26 Jun 2018 11:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 1113
 Ion Ratio Lower Upper
 180 100
 182 102.3 47.7 143.1
 145 25.1 14.1 42.4

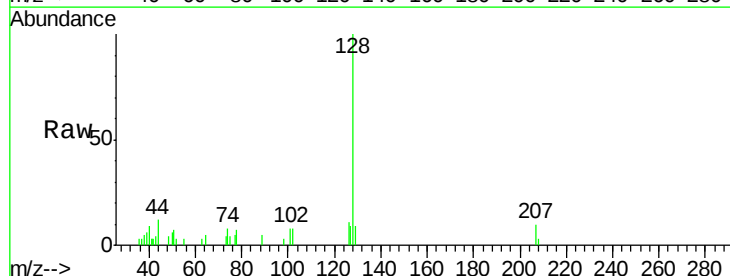


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

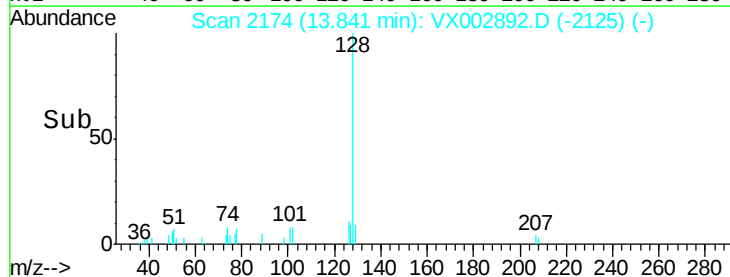
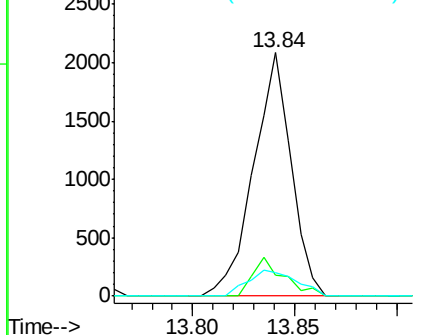


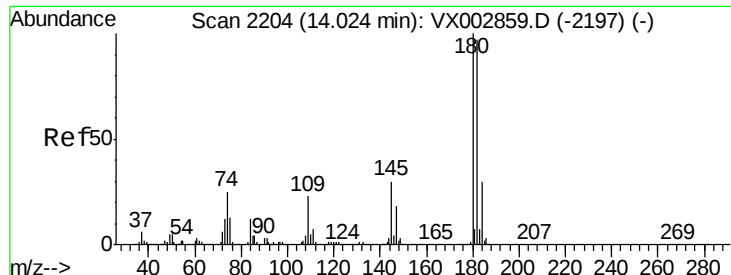
#95
 Naphthalene
 Concen: 0.22 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX002892.D
 Acq: 26 Jun 2018 11:57

Tgt Ion:128 Resp: 2671
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.4 15.6
 129 13.4 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.21 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX002892.D
 Acq: 26 Jun 2018 11:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.6	48.0	144.0
145	38.3	14.8	44.3

