

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062618\
 Data File : VX002912.D
 Acq On : 26 Jun 2018 23:43
 Operator : JC/MD
 Sample : J3707-06 50X
 Misc : 5.60µ/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 02:44:09 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	254475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	354720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189339	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	171572	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
35) Dibromofluoromethane	5.51	113	135516	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
50) Toluene-d8	8.72	98	500523	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	11.14	95	179197	45.30	ug/l	0.00
Spiked Amount			Recovery	=	90.60%	

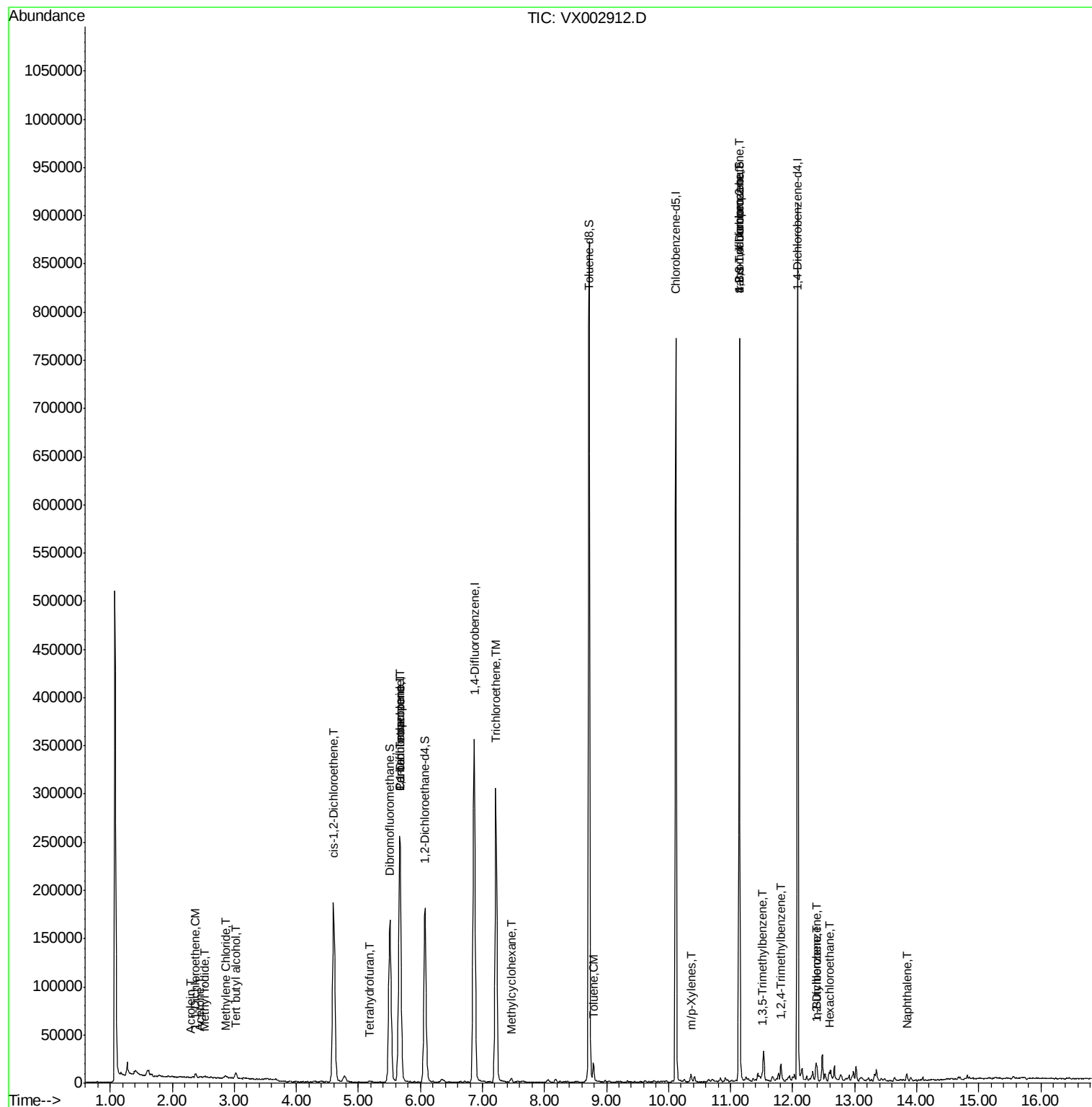
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	24	Below Cal	#	2
3) Chloromethane	1.33	50	465	Below Cal	#	61
5) Bromomethane	1.65	94	1895	Below Cal		90
6) Chloroethane	1.72	64	176	Below Cal	#	74
10) Methyl Iodide	2.52	142	1967	6.83	ug/l	99
11) Tert butyl alcohol	3.02	59	3847	5.49	ug/l #	80
12) 1,1-Dichloroethene	2.38	96	1240	0.49	ug/l #	76
13) Acrolein	2.30	56	256	4.88	ug/l #	56
16) Acetone	2.45	43	1155	0.79	ug/l	92
20) Methylene Chloride	2.86	84	1168	0.41	ug/l #	80
27) cis-1,2-Dichloroethene	4.60	96	116347	37.96	ug/l	85
29) Tetrahydrofuran	5.18	42	1136	0.82	ug/l #	85
36) 1,1-Dichloropropene	5.67	75	16762	4.31	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22982	5.38	ug/l #	16
39) Methylcyclohexane	7.47	83	1389	0.31	ug/l #	88
44) Trichloroethene	7.21	130	119963	35.60	ug/l	97
52) Toluene	8.79	92	6184	0.85	ug/l	99
68) m/p-Xylenes	10.36	106	1716	0.32	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	95428	27.82	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.51	105	3269	0.30	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.14	75	95428	78.66	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	6626	0.60	ug/l	97
89) n-Butylbenzene	12.39	91	3370	0.34	ug/l #	53
90) Hexachloroethane	12.59	117	363	0.21	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	1786	0.27	ug/l	94
95) Naphthalene	13.84	128	4433	0.34	ug/l	99

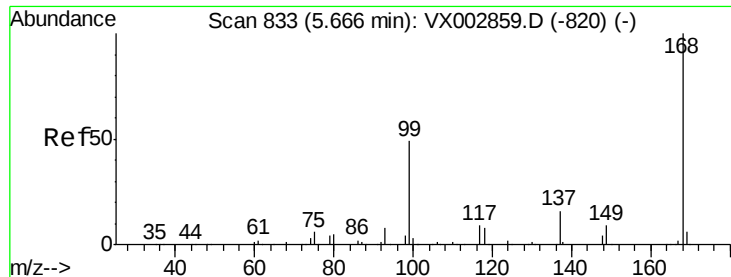
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 27 02:44:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX002912.D

Acq: 26 Jun 2018 23:43

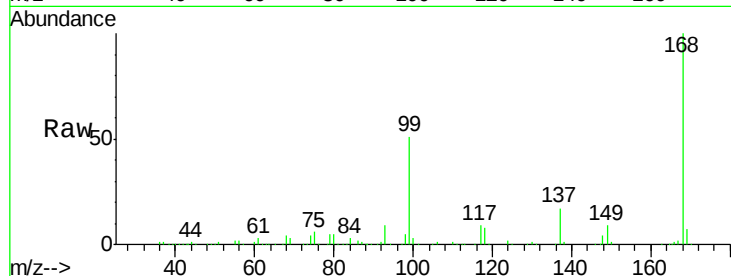
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 254475

Ion Ratio Lower Upper

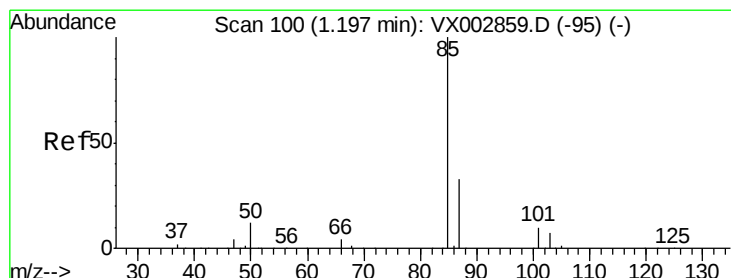
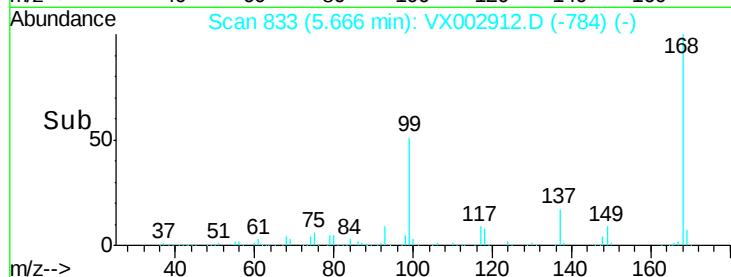
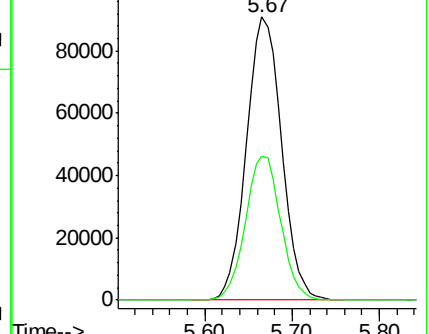
168 100

99 50.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX002912.D

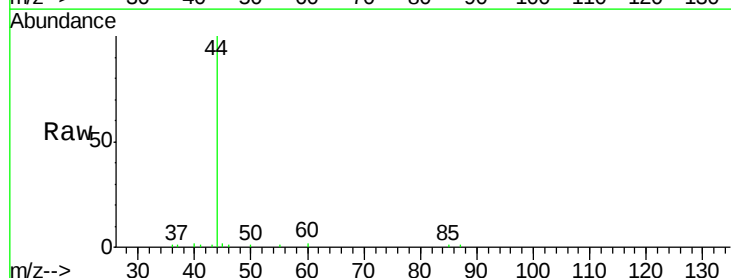
Acq: 26 Jun 2018 23:43

Tgt Ion: 85 Resp: 24

Ion Ratio Lower Upper

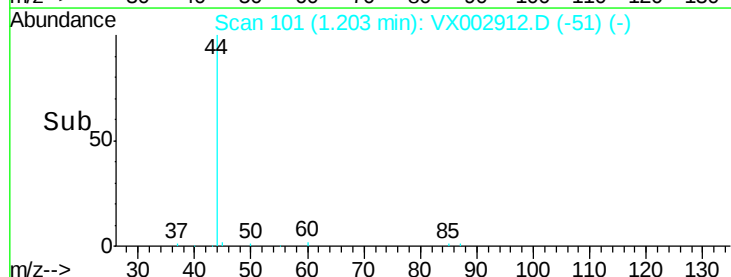
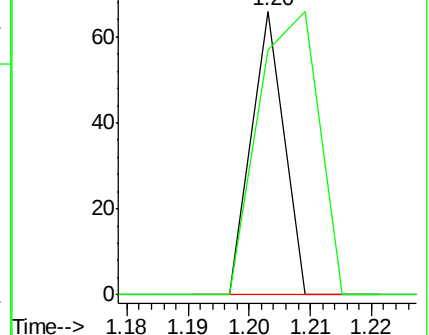
85 100

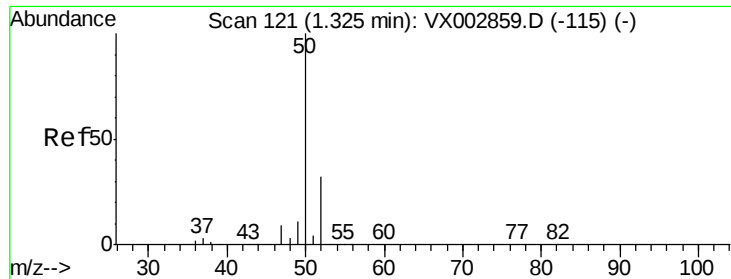
87 86.4 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002912.D

Acq: 26 Jun 2018 23:43

Instrument :

MSVOA_X

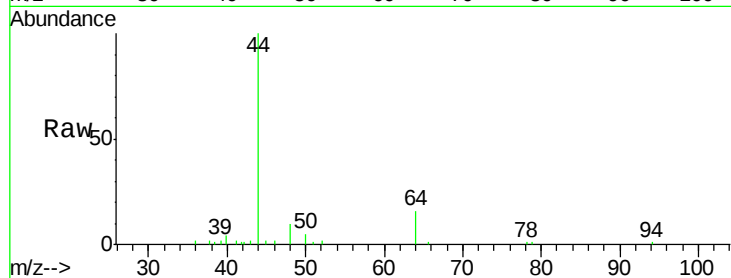
ClientSampleId :

Tot Ion: 50 Resp: 465

Ion Ratio Lower Upper

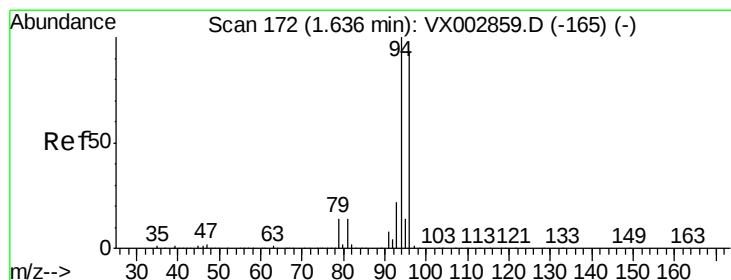
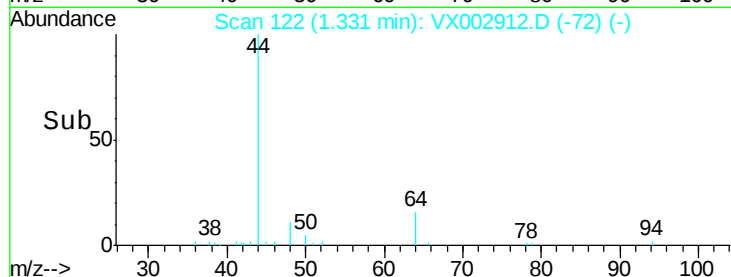
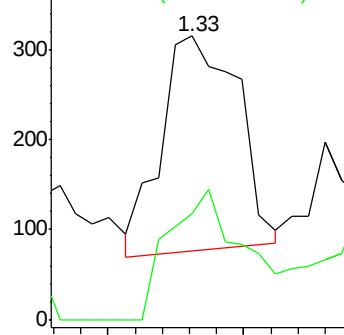
50 100

52 53.6 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: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002912.D

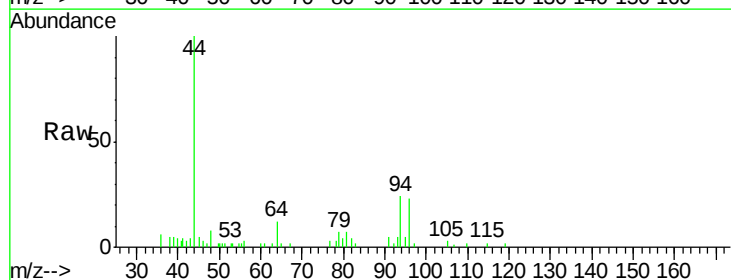
Acq: 26 Jun 2018 23:43

Tgt Ion: 94 Resp: 1895

Ion Ratio Lower Upper

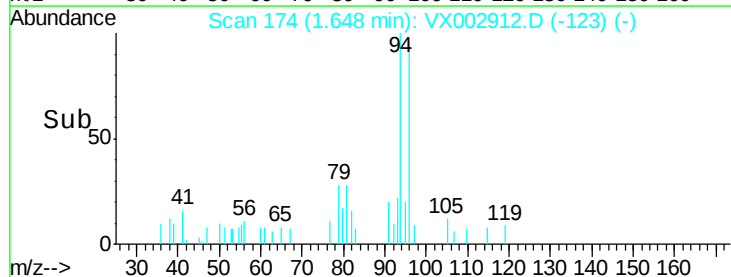
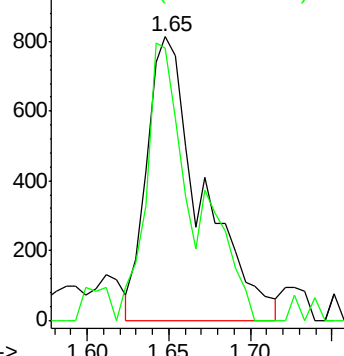
94 100

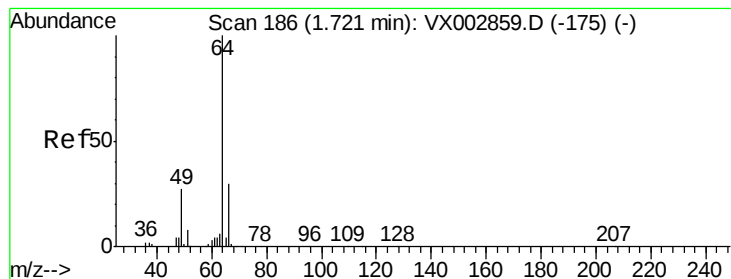
96 103.6 74.9 112.3



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: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002912.D

Acq: 26 Jun 2018 23:43

Instrument :

MSVOA_X

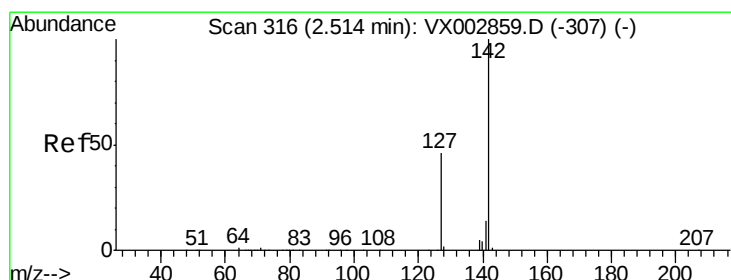
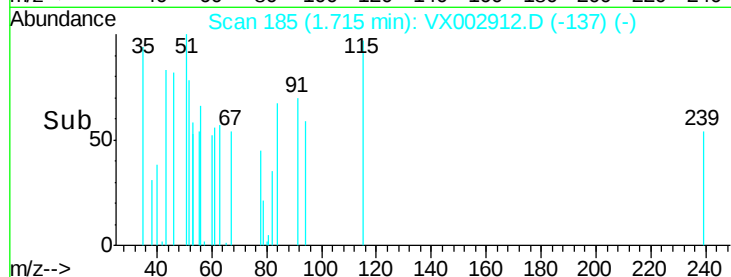
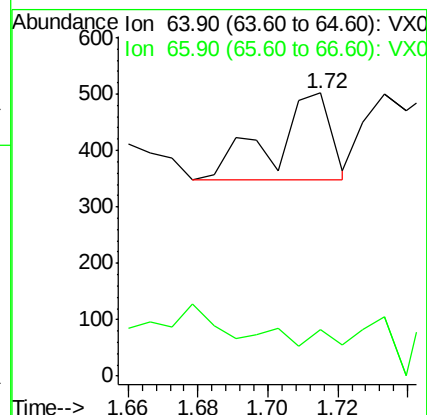
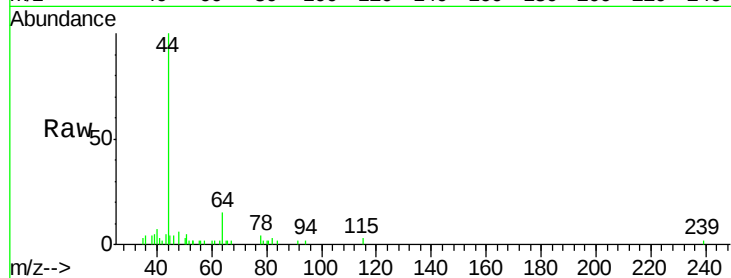
ClientSampled :

Tot Ion: 64 Resp: 176

Ion Ratio Lower Upper

64 100

66 17.5 25.5 38.3#



#10

Methyl Iodide

Concen: 6.83 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002912.D

Acq: 26 Jun 2018 23:43

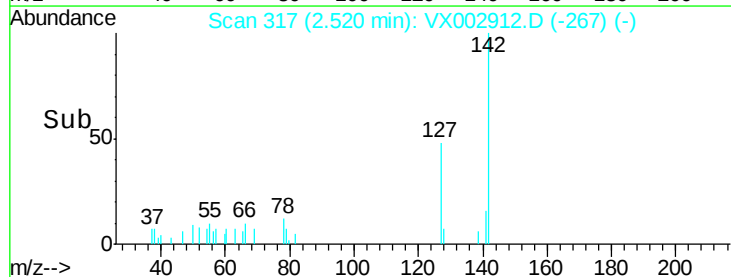
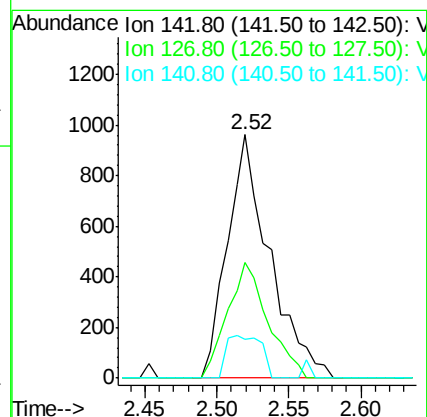
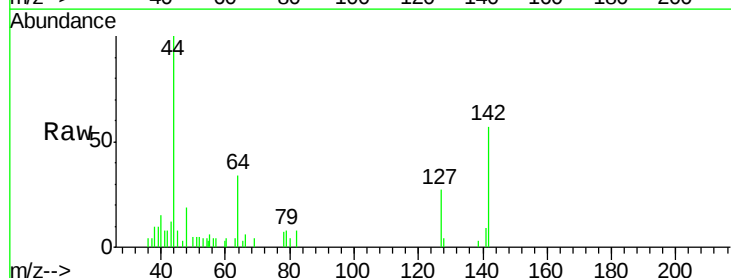
Tgt Ion: 142 Resp: 1967

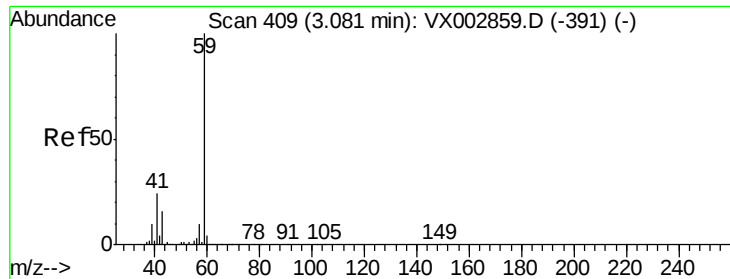
Ion Ratio Lower Upper

142 100

127 45.4 36.6 55.0

141 14.4 11.3 16.9



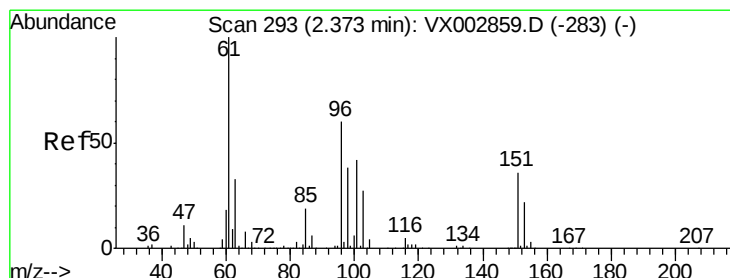
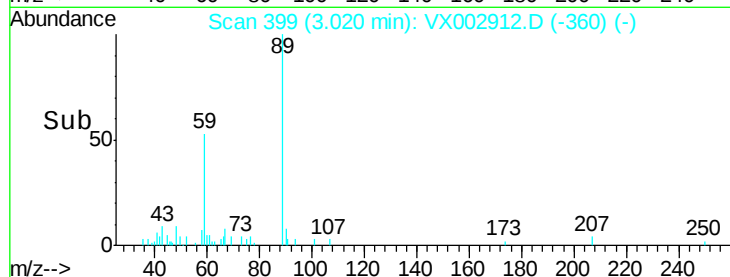
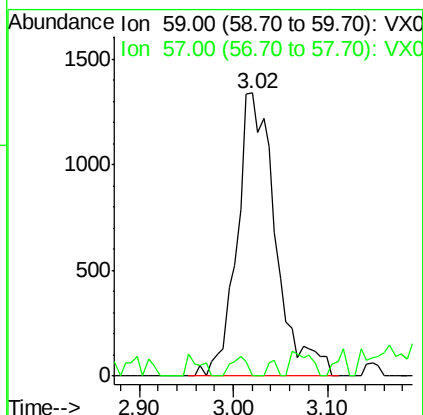
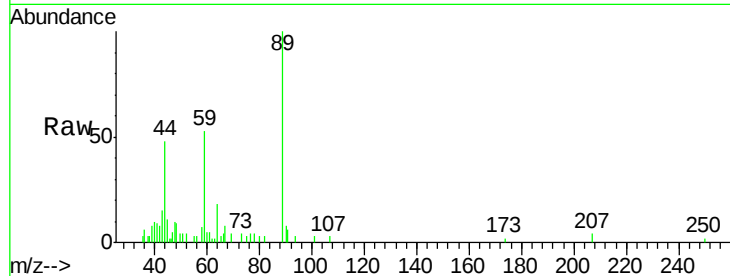


#11

Tert butyl alcohol
 Concen: 5.49 ug/l
 RT: 3.02 min Scan# 399
 Delta R.T. -0.06 min
 Lab File: VX002912.D
 Acq: 26 Jun 2018 23:43

Instrument :
 MSVOA_X
 ClientSampled :

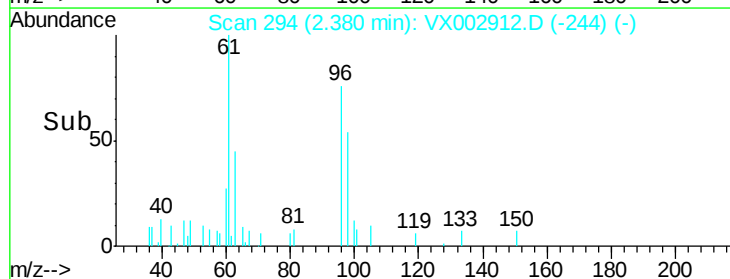
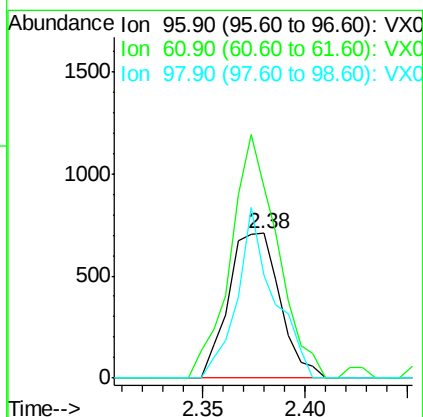
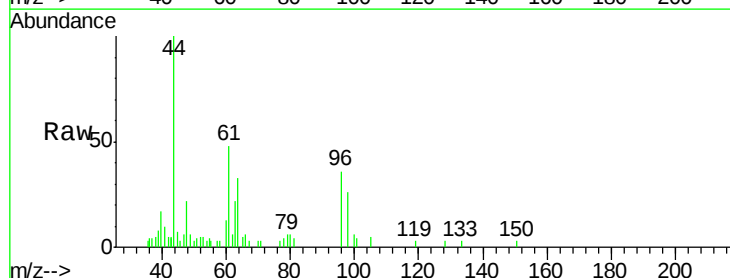
Tot Ion: 59 Resp: 3847
 Ion Ratio Lower Upper
 59 100
 57 2.8 8.2 12.2#

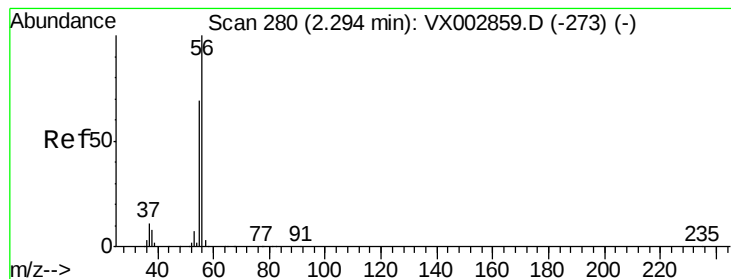


#12

1,1-Dichloroethene
 Concen: 0.49 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX002912.D
 Acq: 26 Jun 2018 23:43

Tgt Ion: 96 Resp: 1240
 Ion Ratio Lower Upper
 96 100
 61 131.8 137.9 206.9#
 98 71.3 51.6 77.4





#13

Acrolein

Concen: 4.88 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002912.D

Acq: 26 Jun 2018 23:43

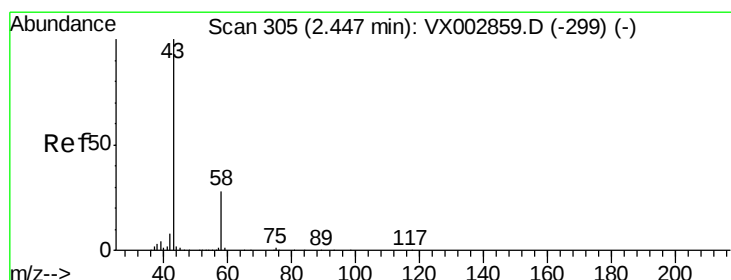
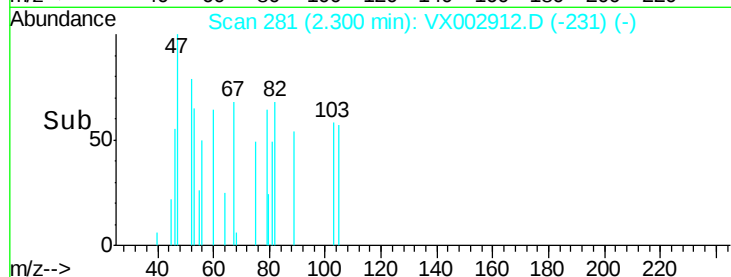
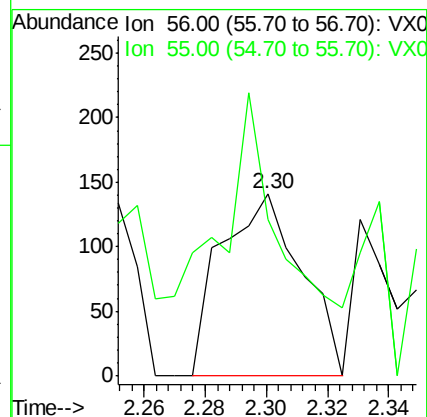
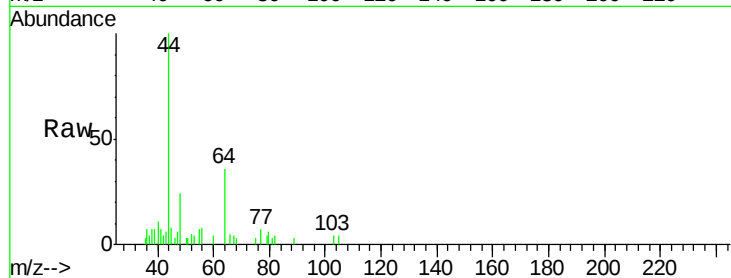
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 256

Ion Ratio Lower Upper

56 100

55 107.8 57.0 85.4#



#16

Acetone

Concen: 0.79 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX002912.D

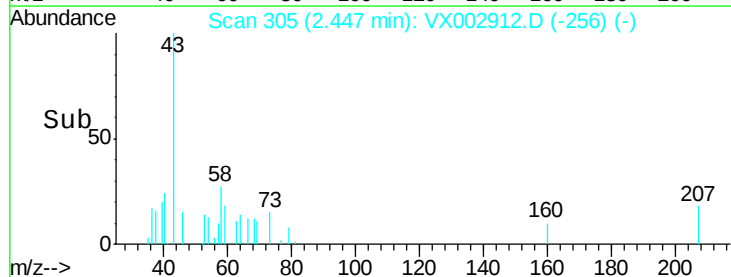
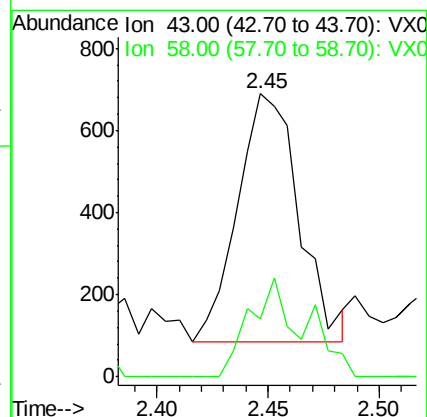
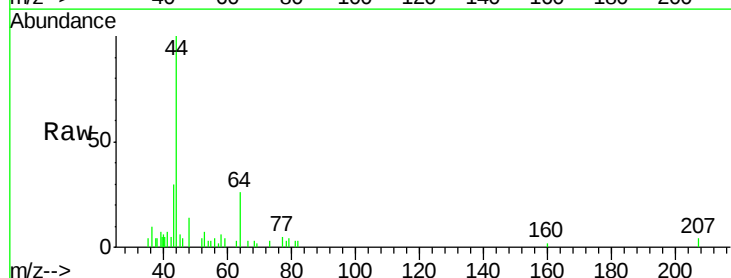
Acq: 26 Jun 2018 23:43

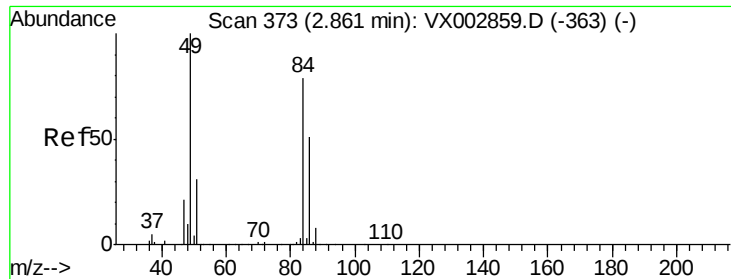
Tgt Ion: 43 Resp: 1155

Ion Ratio Lower Upper

43 100

58 23.2 22.1 33.1





#20

Methylene Chloride

Concen: 0.41 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX002912.D

Acq: 26 Jun 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 84 Resp: 1168

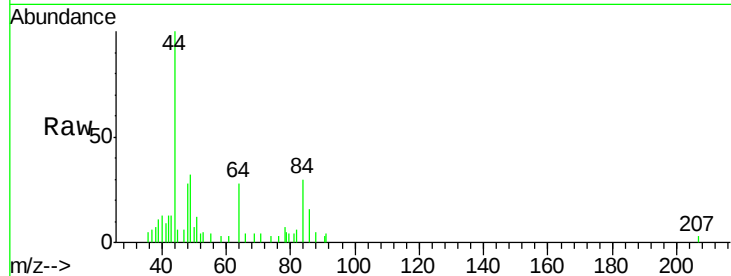
Ion Ratio Lower Upper

84 100

49 107.4 107.8 161.6#

51 29.6 32.8 49.2#

86 53.2 52.5 78.7

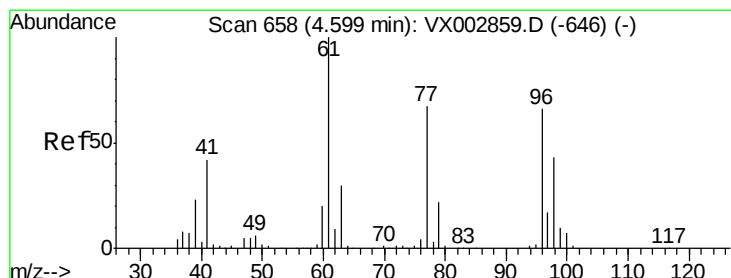
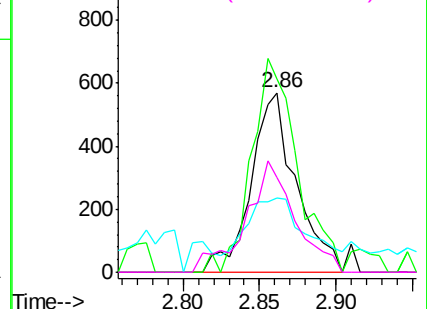
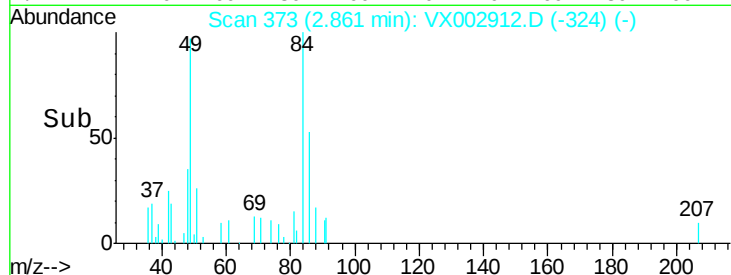


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#27

cis-1,2-Dichloroethene

Concen: 37.96 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002912.D

Acq: 26 Jun 2018 23:43

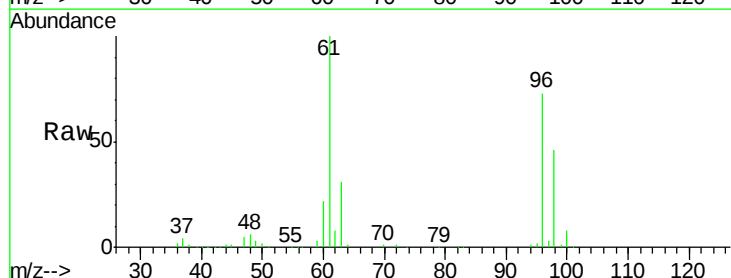
Tgt Ion: 96 Resp: 116347

Ion Ratio Lower Upper

96 100

61 137.5 0.0 330.2

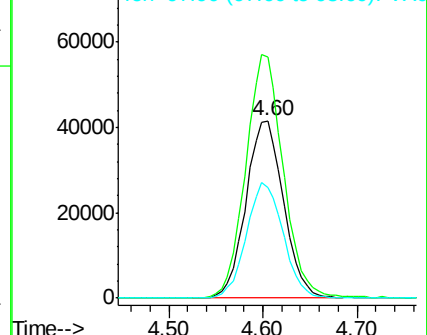
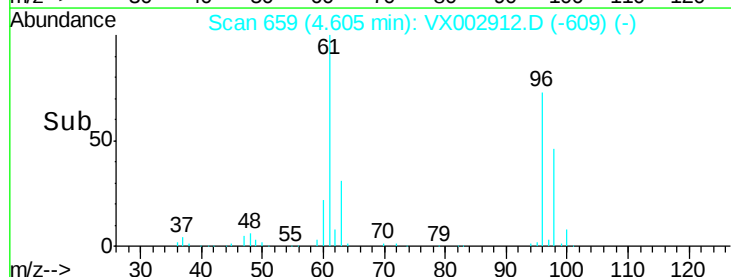
98 64.0 0.0 130.2

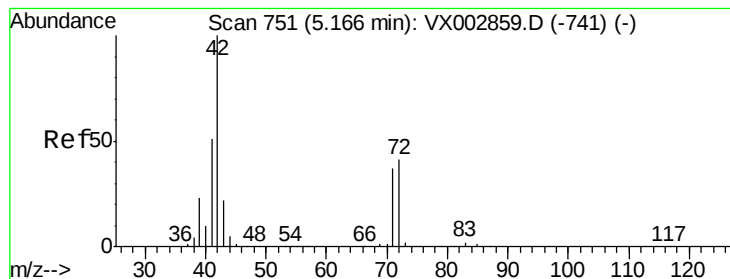


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 0.82 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.02 min

Lab File: VX002912.D

Acq: 26 Jun 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

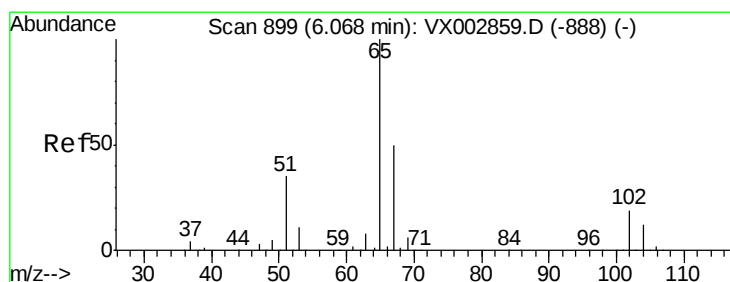
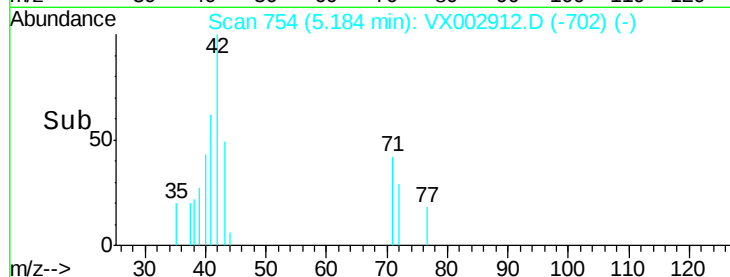
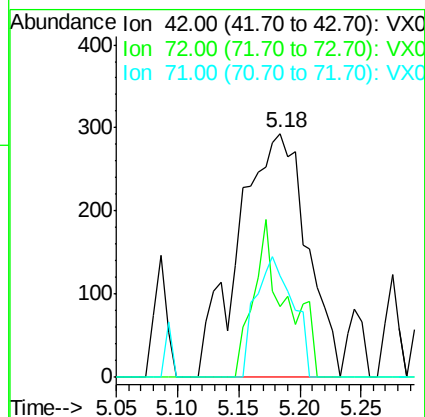
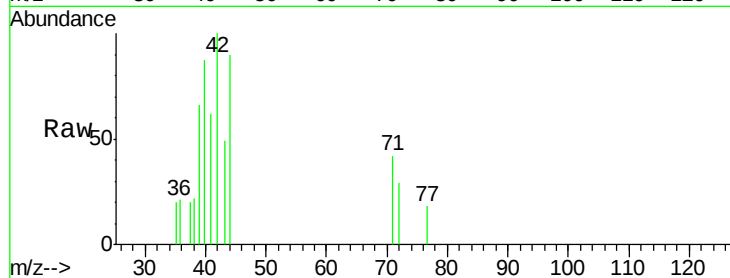
Tot Ion: 42 Resp: 1136

Ion Ratio Lower Upper

42 100

72 31.5 32.0 48.0#

71 27.2 30.1 45.1#



#33

1,2-Dichloroethane-d4

Concen: 48.78 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002912.D

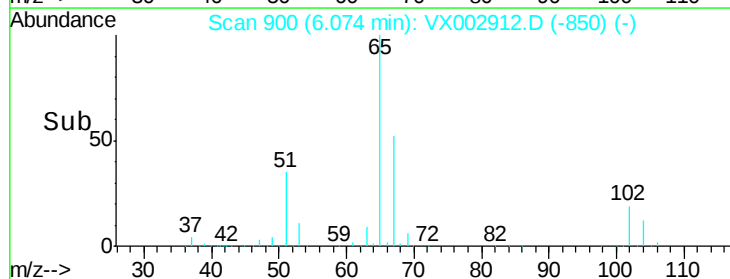
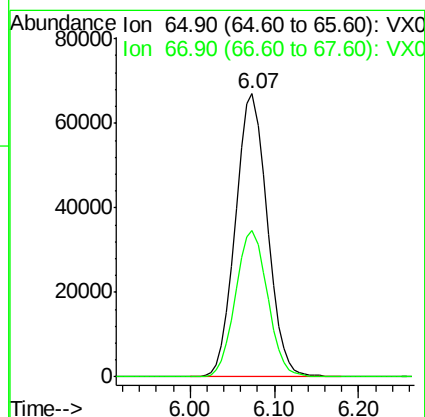
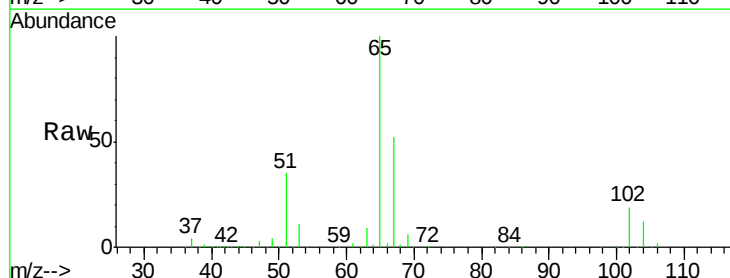
Acq: 26 Jun 2018 23:43

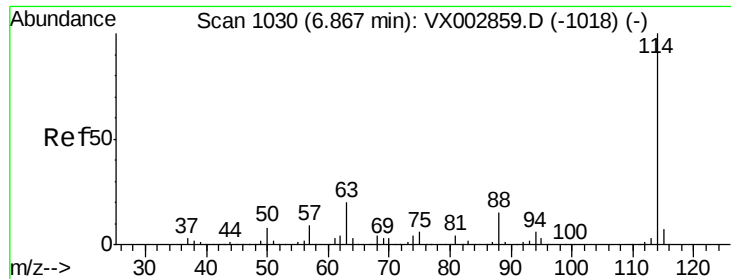
Tgt Ion: 65 Resp: 171572

Ion Ratio Lower Upper

65 100

67 52.1 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: VX002912.D

Acq: 26 Jun 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :

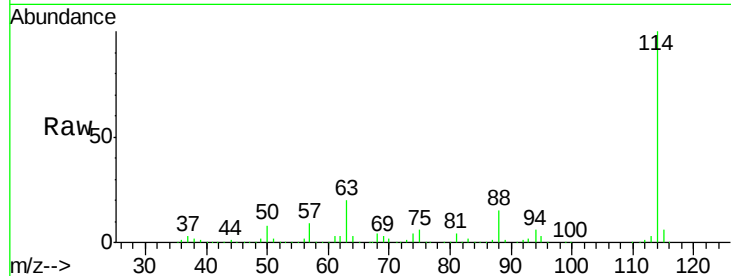
Tot Ion:114 Resp: 354720

Ion Ratio Lower Upper

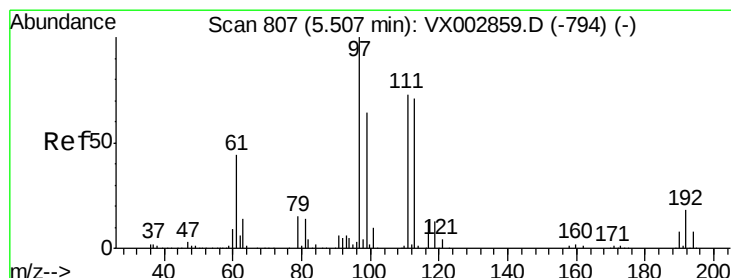
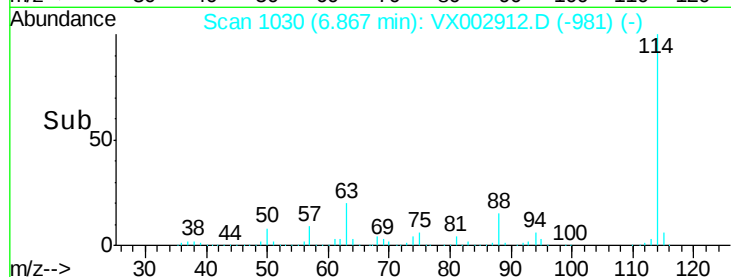
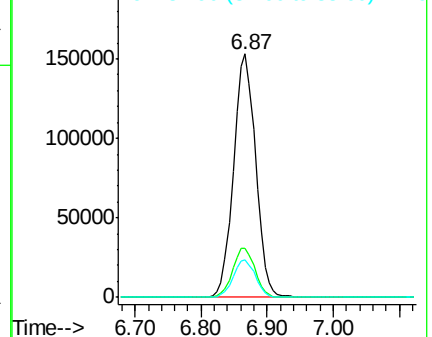
114 100

63 20.0 0.0 41.4

88 15.2 0.0 30.0



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: 48.24 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002912.D

Acq: 26 Jun 2018 23:43

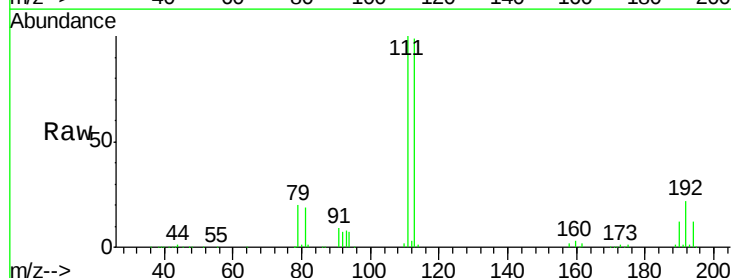
Tgt Ion:113 Resp: 135516

Ion Ratio Lower Upper

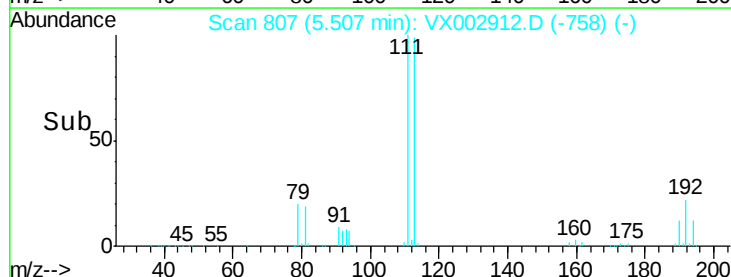
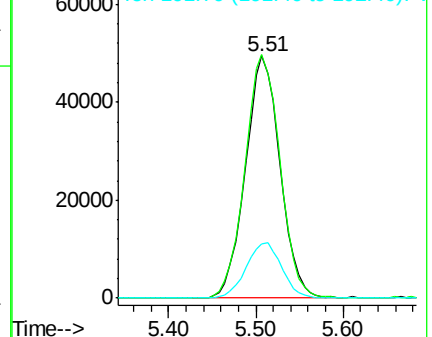
113 100

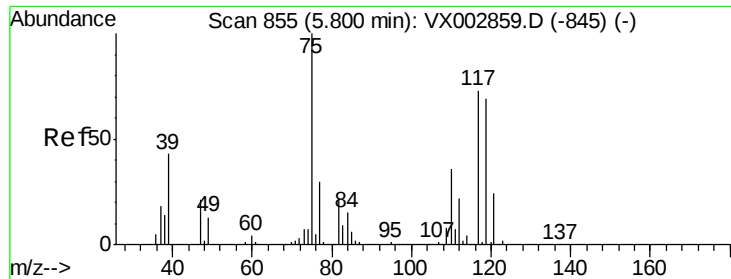
111 102.2 81.4 122.0

192 23.7 19.1 28.7



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

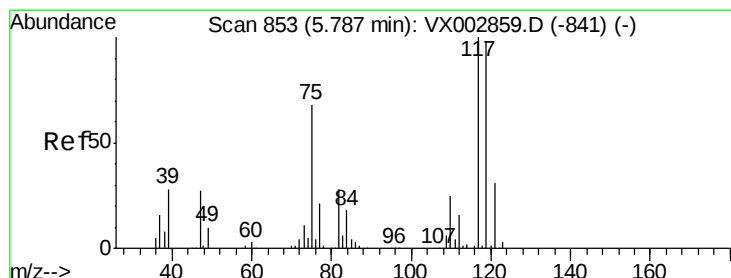
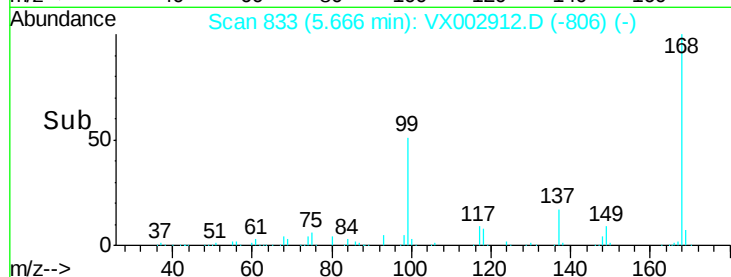
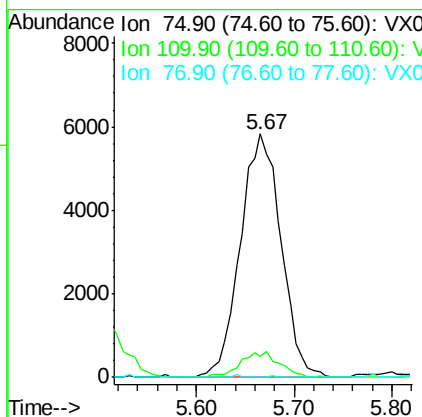
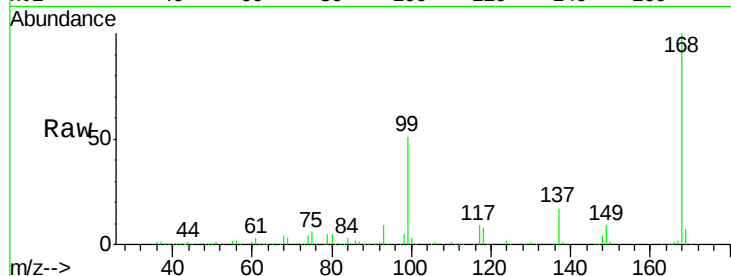




#36
 1,1-Dichloropropene
 Concen: 4.31 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002912.D
 Acq: 26 Jun 2018 23:43

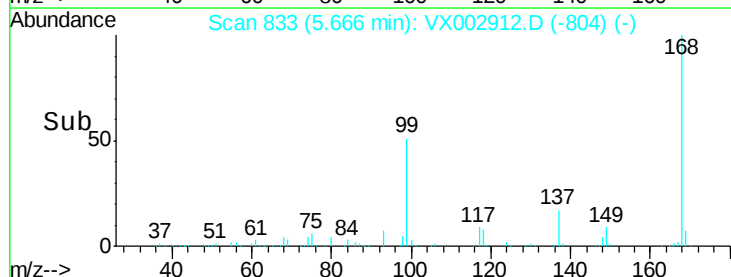
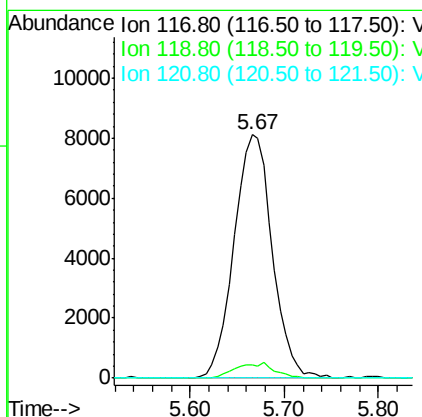
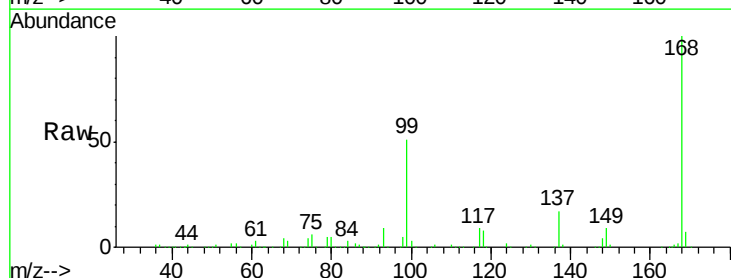
Instrument :
 MSVOA_X
 ClientSampleId :

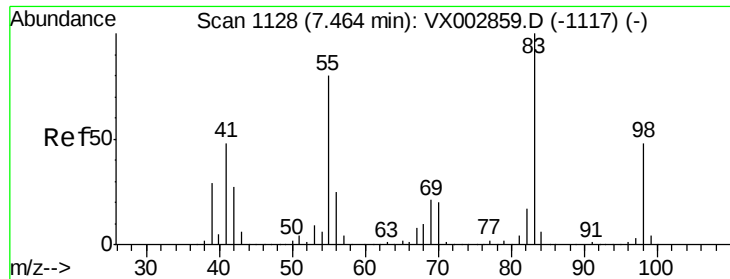
Tot Ion	75	Resp	16762
Ion Ratio	Lower	Upper	
75	100		
110	10.0	18.1	54.4#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.38 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002912.D
 Acq: 26 Jun 2018 23:43

Tgt Ion	117	Resp	22982
Ion Ratio	Lower	Upper	
117	100		
119	5.2	77.4	116.0#
121	0.0	24.4	36.6#

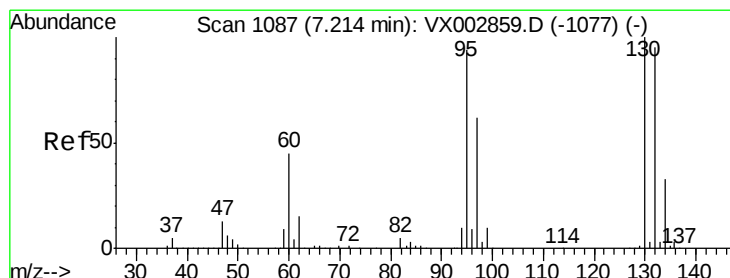
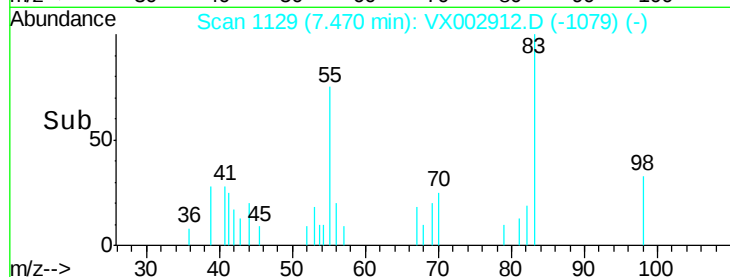
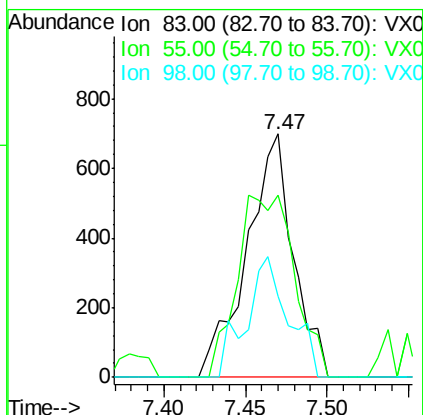
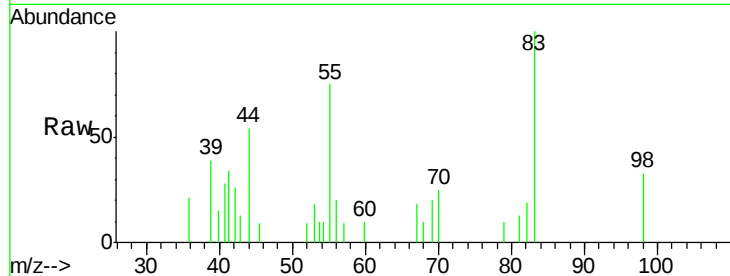




#39
Methvlcvclohexane
Concen: 0.31 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX002912.D
Acq: 26 Jun 2018 23:43

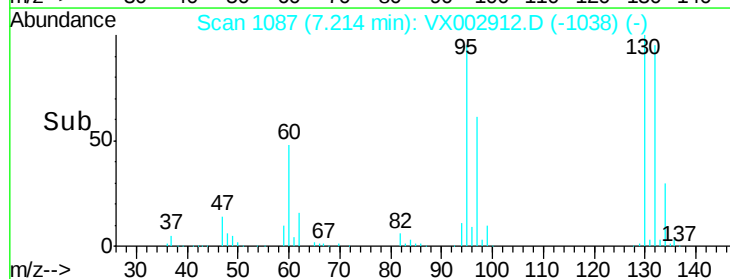
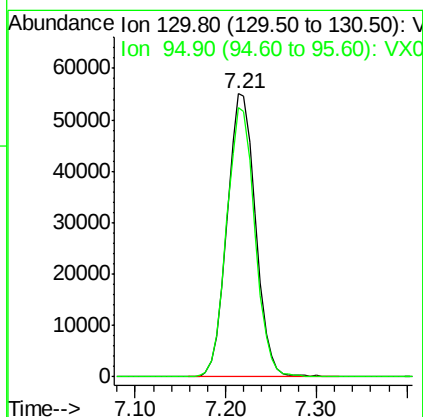
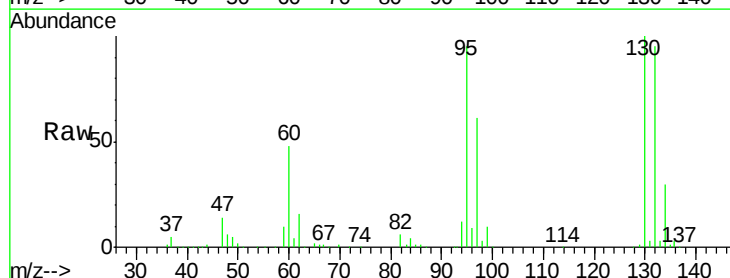
Instrument :
MSVOA_X
ClientSampleId :

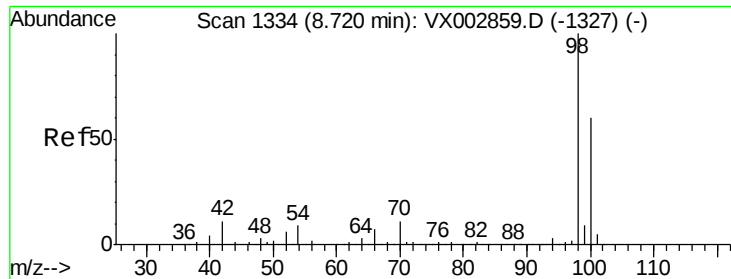
Tot Ion: 83 Resp: 1389
Ion Ratio Lower Upper
83 100
55 75.0 65.4 98.0
98 33.0 37.4 56.0#



#44
Trichloroethene
Concen: 35.60 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX002912.D
Acq: 26 Jun 2018 23:43

Tgt Ion:130 Resp: 119963
Ion Ratio Lower Upper
130 100
95 95.1 0.0 185.4

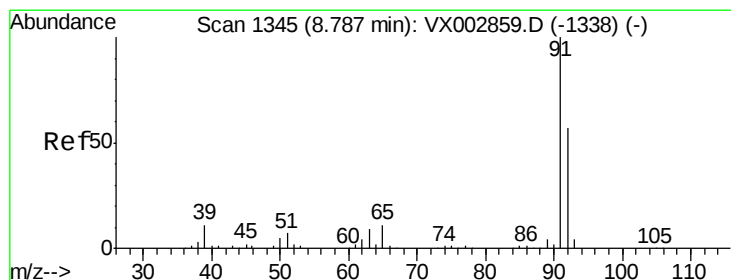
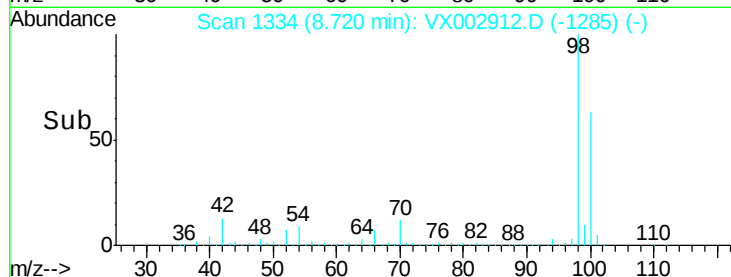
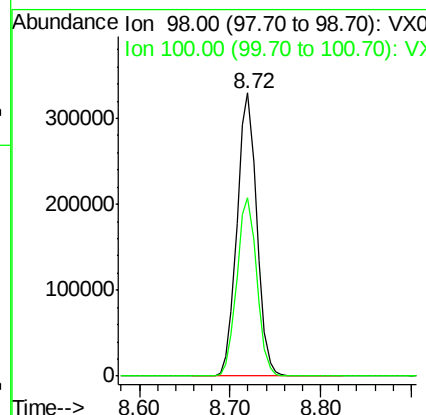
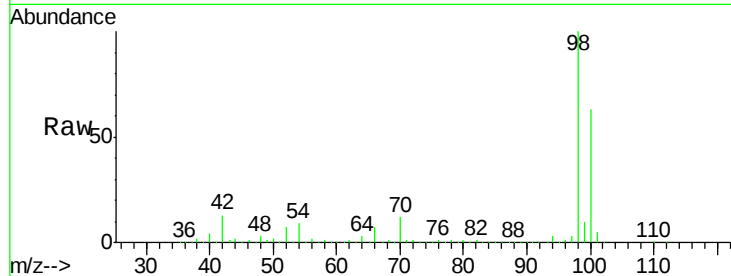




#50
Toluene-d8
Concen: 48.79 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002912.D
Acq: 26 Jun 2018 23:43

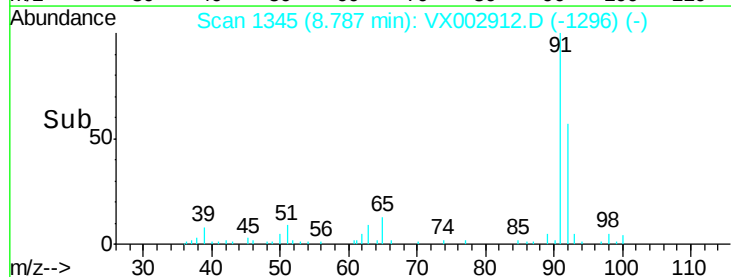
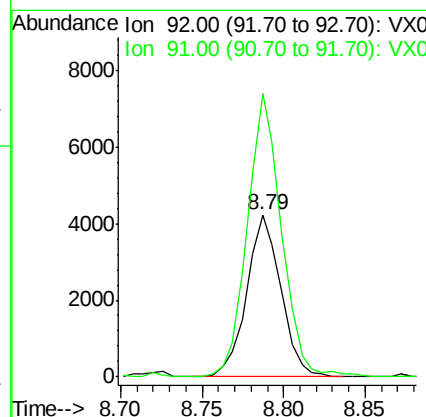
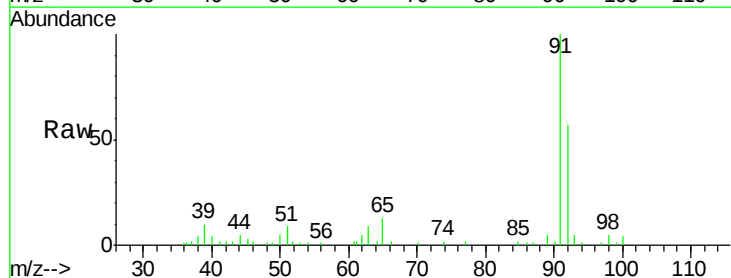
Instrument :
MSVOA_X
ClientSampleId :

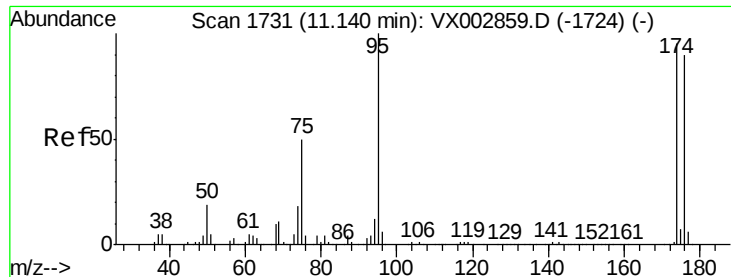
Tot Ion: 98 Resp: 500523
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3



#52
Toluene
Concen: 0.85 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX002912.D
Acq: 26 Jun 2018 23:43

Tgt Ion: 92 Resp: 6184
Ion Ratio Lower Upper
92 100
91 174.0 140.4 210.6

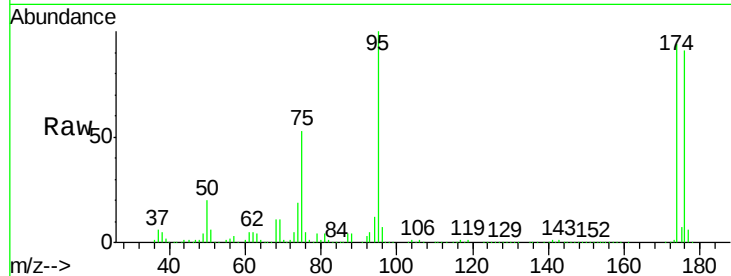




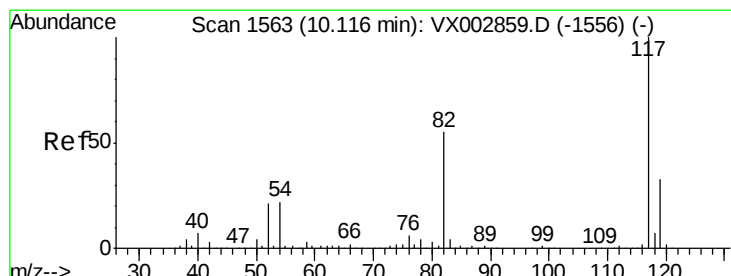
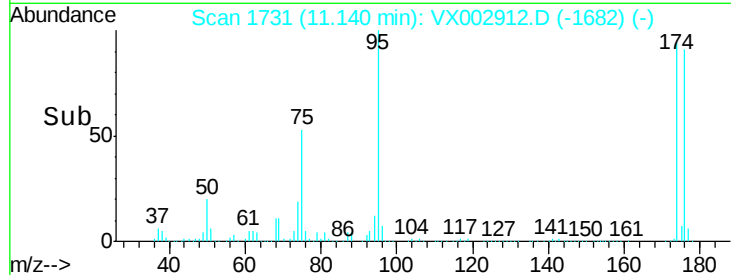
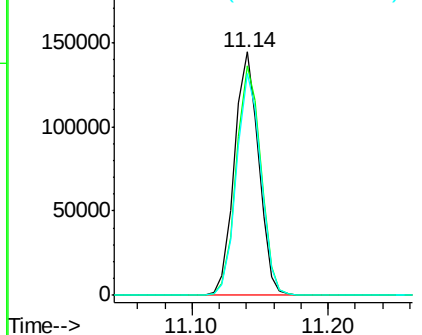
#62
4-Bromofluorobenzene
Concen: 45.30 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002912.D
Acq: 26 Jun 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	95	Resp	179197
Ion Ratio	Lower	Upper	
95	100		
174	95.7	0.0	187.4
176	91.6	0.0	181.0

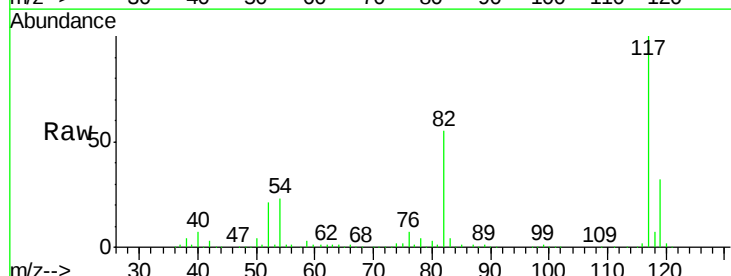


Abundance Ion 94.90 (94.60 to 95.60): VX002912.D (-1682) (-)

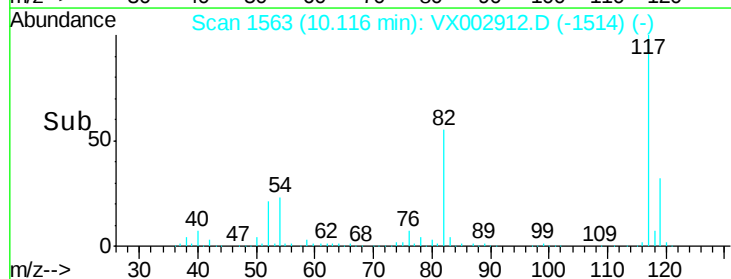
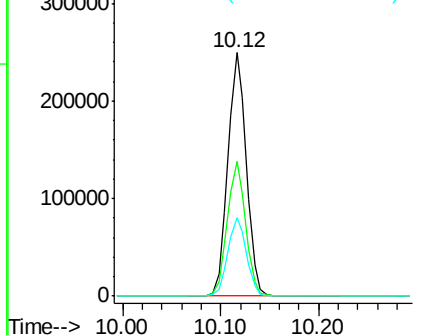


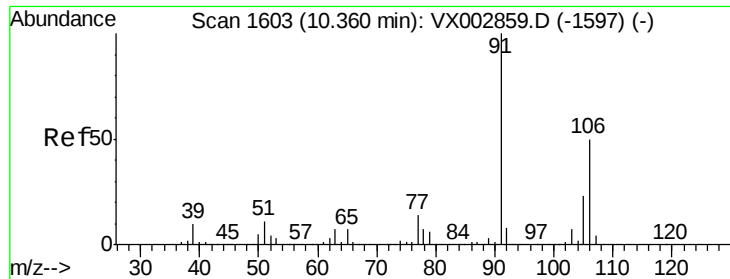
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002912.D
Acq: 26 Jun 2018 23:43

Tgt Ion	117	Resp	327729
Ion Ratio	Lower	Upper	
117	100		
82	55.4	45.0	67.4
119	32.4	25.8	38.6



Abundance Ion 116.90 (116.60 to 117.60): VX002912.D (-1514) (-)

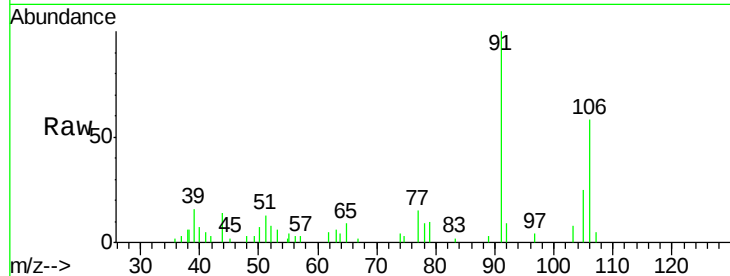




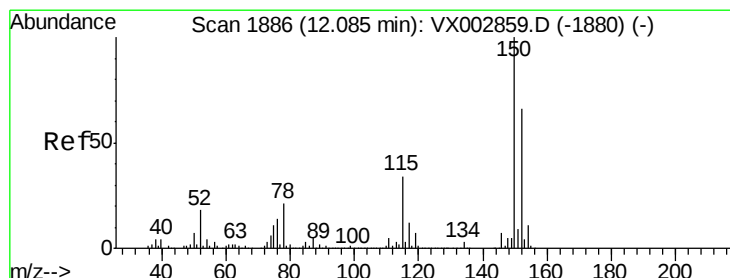
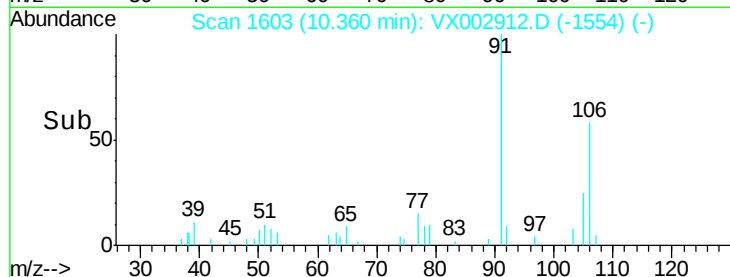
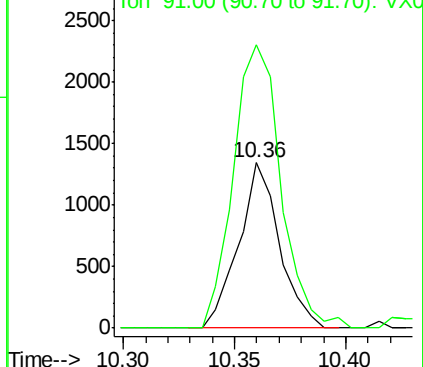
#68
m/p-Xvlenes
Concen: 0.32 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002912.D
Acq: 26 Jun 2018 23:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 1716
Ion Ratio Lower Upper
106 100
91 199.6 163.4 245.2

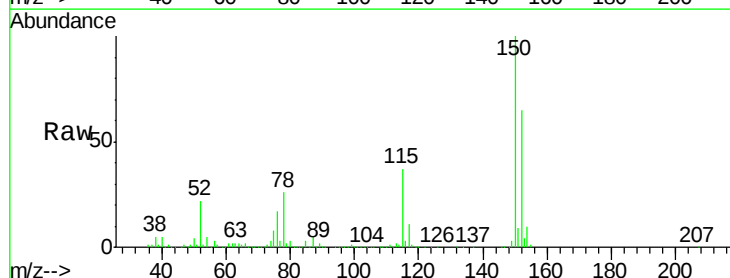


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

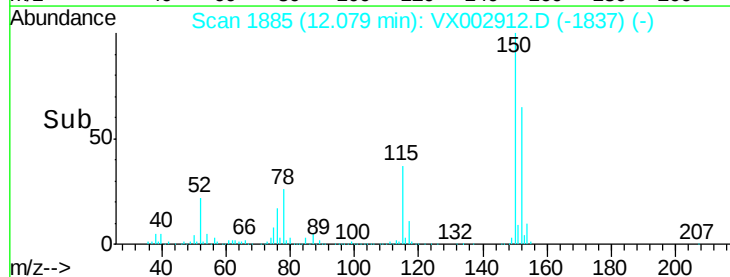
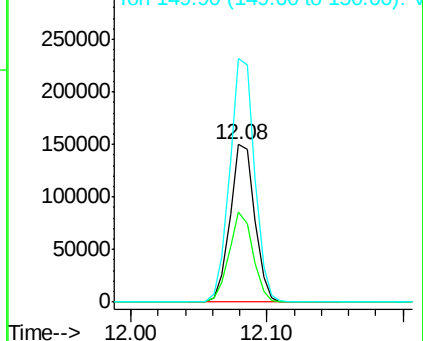


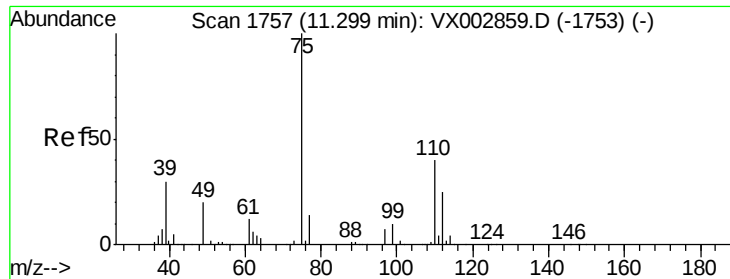
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002912.D
Acq: 26 Jun 2018 23:43

Tgt Ion:152 Resp: 189339
Ion Ratio Lower Upper
152 100
115 55.2 40.1 120.2
150 155.4 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

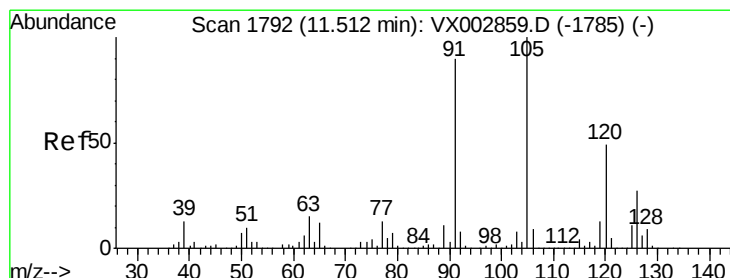
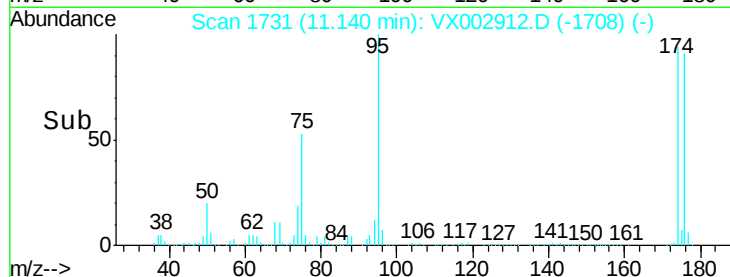
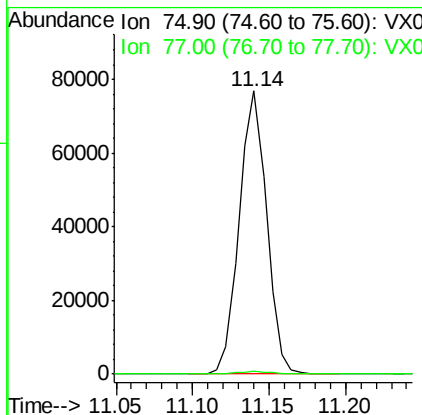
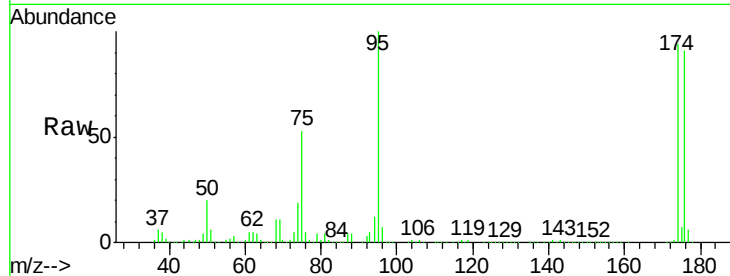




#76
 1,2,3-Trichloropropane
 Concen: 27.82 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002912.D
 Acq: 26 Jun 2018 23:43

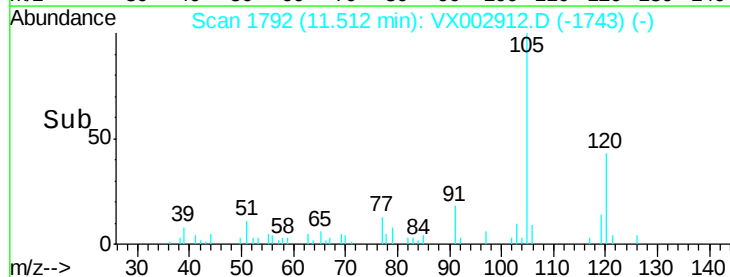
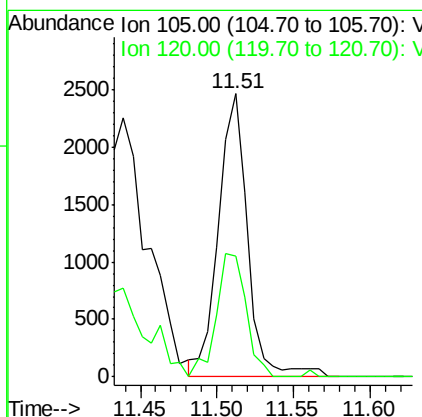
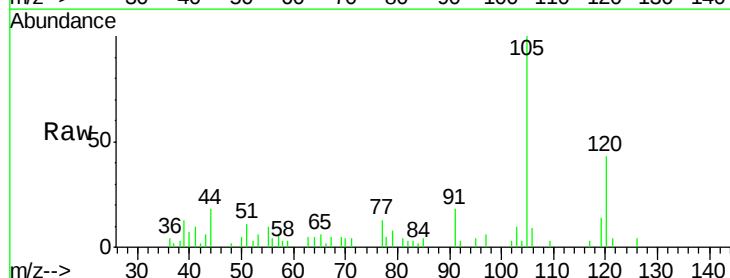
Instrument :
 MSVOA_X
 ClientSampled :

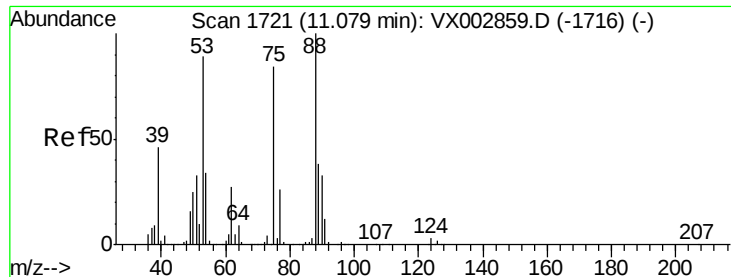
Tot Ion: 75 Resp: 95428
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.30 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002912.D
 Acq: 26 Jun 2018 23:43

Tgt Ion: 105 Resp: 3269
 Ion Ratio Lower Upper
 105 100
 120 44.1 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 78.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002912.D

Acq: 26 Jun 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

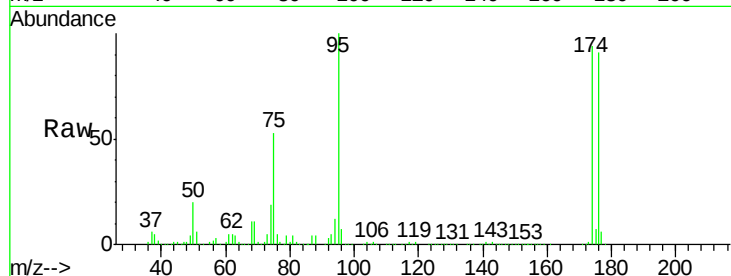
Tot Ion: 75 Resp: 95428

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

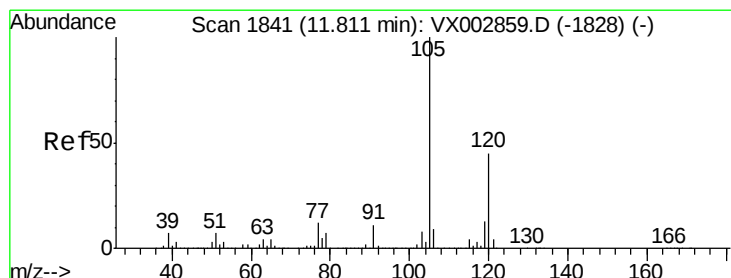
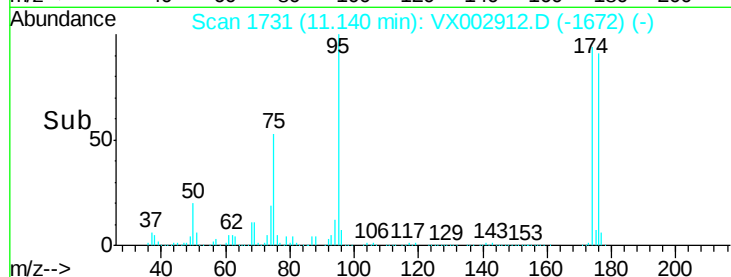
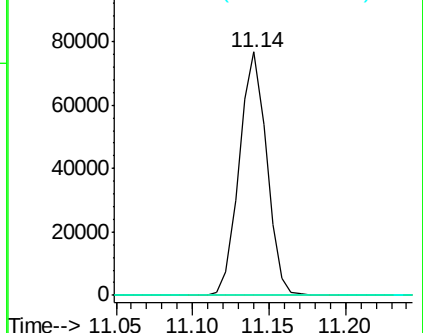
89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 0.60 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002912.D

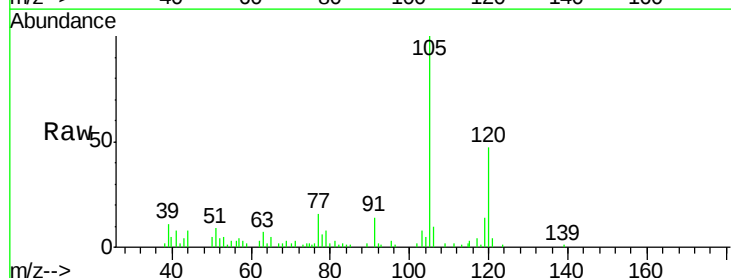
Acq: 26 Jun 2018 23:43

Tgt Ion:105 Resp: 6626

Ion Ratio Lower Upper

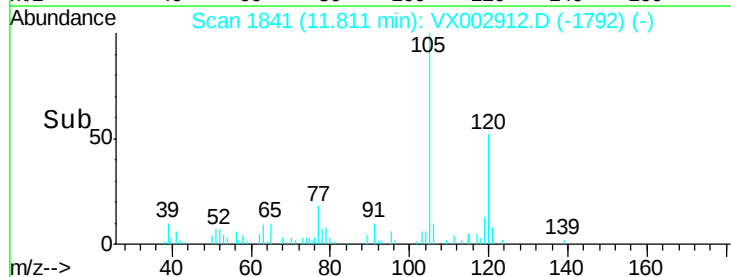
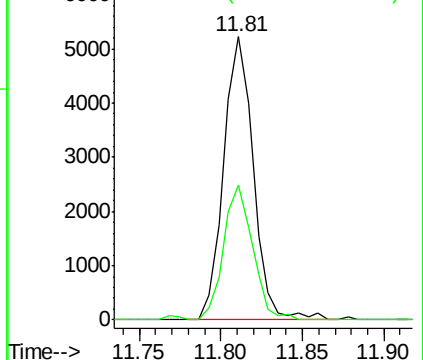
105 100

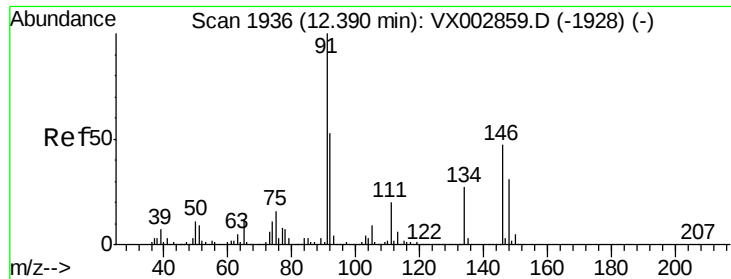
120 46.5 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

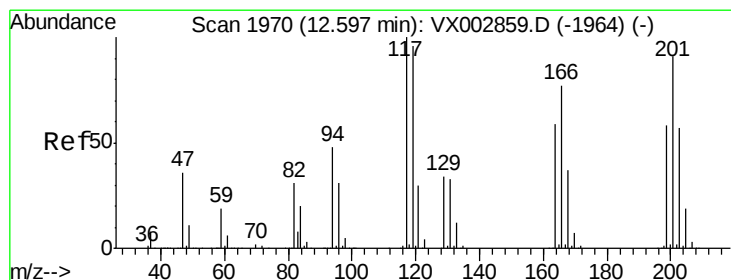
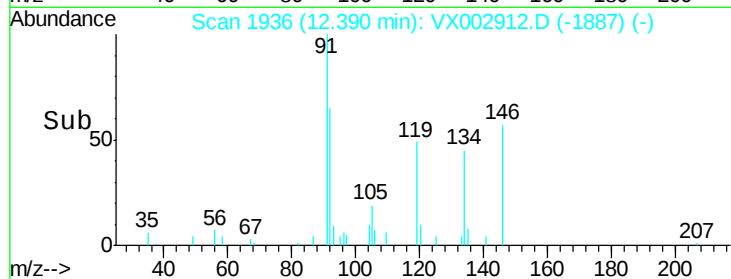
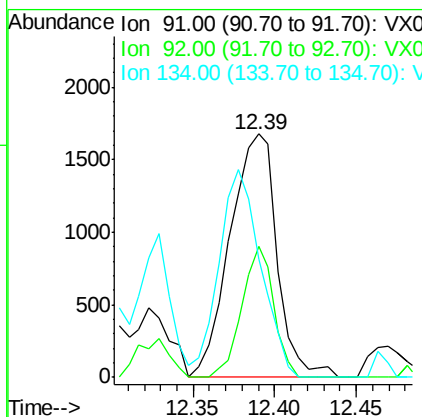
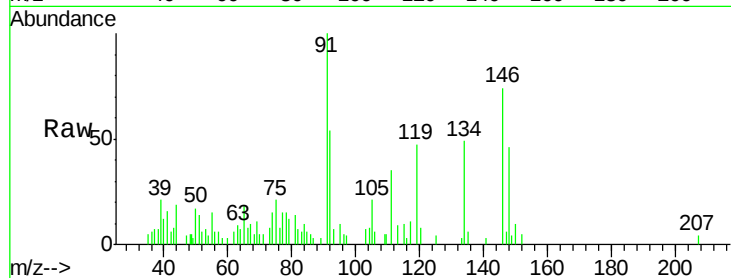




#89
n-Butylbenzene
Concen: 0.34 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002912.D
Acq: 26 Jun 2018 23:43

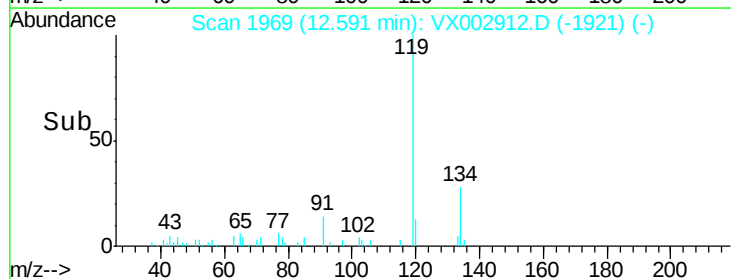
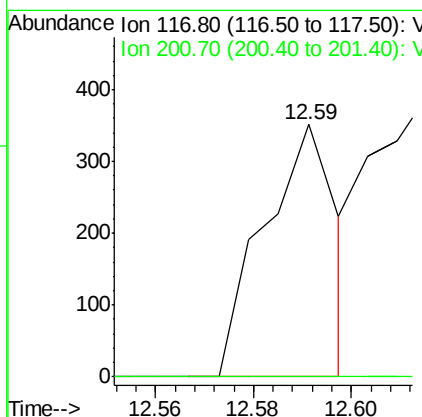
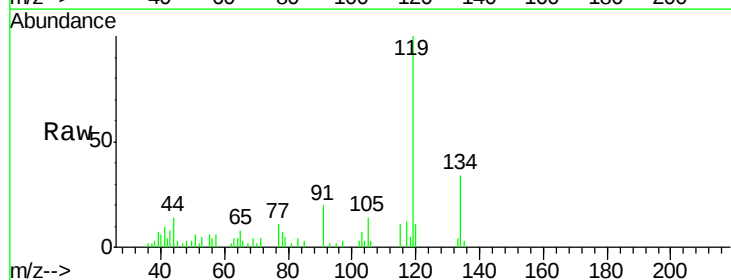
Instrument :
MSVOA_X
ClientSampled :

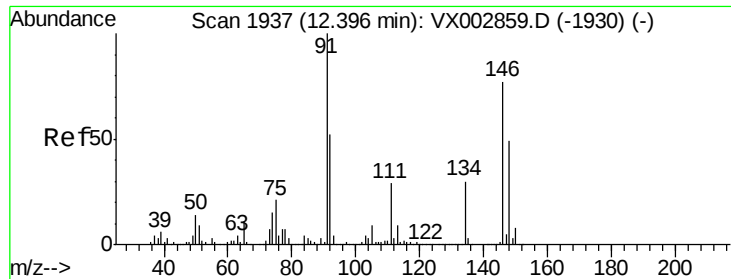
Tot Ion: 91 Resp: 3370
Ion Ratio Lower Upper
91 100
92 36.5 26.0 78.0
134 75.6 13.5 40.5#



#90
Hexachloroethane
Concen: 0.21 ug/l
RT: 12.59 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VX002912.D
Acq: 26 Jun 2018 23:43

Tgt Ion: 117 Resp: 363
Ion Ratio Lower Upper
117 100
201 0.0 49.0 147.0#

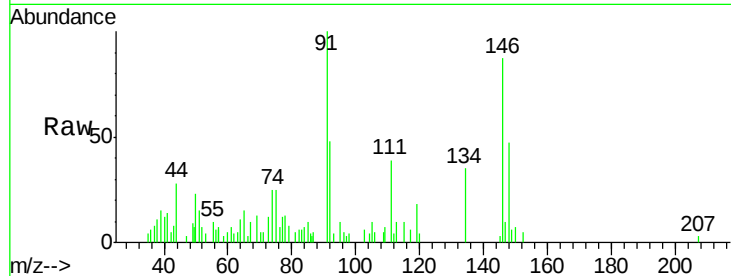




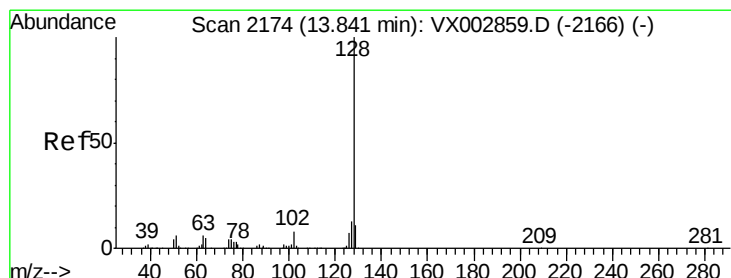
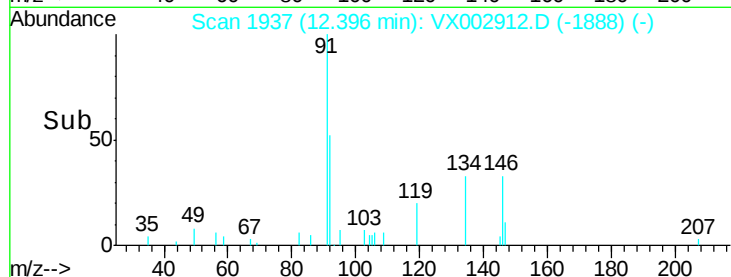
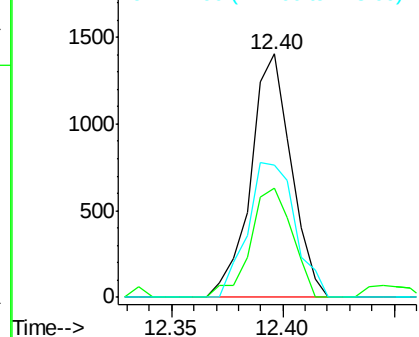
#91
1,2-Dichlorobenzene
Concen: 0.27 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX002912.D
Acq: 26 Jun 2018 23:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:146 Resp: 1786
Ion Ratio Lower Upper
146 100
111 46.3 19.4 58.1
148 64.7 31.7 95.1

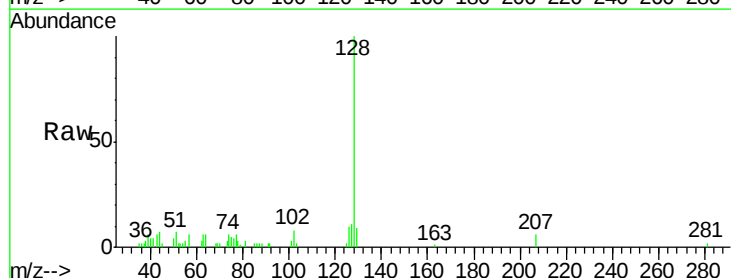


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#95
Naphthalene
Concen: 0.34 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002912.D
Acq: 26 Jun 2018 23:43

Tgt Ion:128 Resp: 4433
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.9 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

