

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002956.D
 Acq On : 28 Jun 2018 00:53
 Operator : JC/MD
 Sample : J3631-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 06:49:32 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	249426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	346494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	323233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188233	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	166205	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
35) Dibromofluoromethane	5.51	113	133078	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
50) Toluene-d8	8.72	98	492126	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.14	95	175721	45.47	ug/l	0.00
Spiked Amount			Recovery	=	90.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	365	Below Cal		84
3) Chloromethane	1.32	50	863	Below Cal		99
5) Bromomethane	1.66	94	1927	Below Cal		83
6) Chloroethane	1.73	64	399	Below Cal	#	58
10) Methyl Iodide	2.52	142	3466	7.31	ug/l #	98
11) Tert butyl alcohol	3.03	59	1401	2.04	ug/l #	73
13) Acrolein	2.30	56	316	5.05	ug/l #	14
15) Acrylonitrile	3.17	53	3113	2.12	ug/l #	58
16) Acetone	2.45	43	27993	19.61	ug/l	99
17) Carbon Disulfide	2.57	76	4697	0.72	ug/l	96
18) Methyl Acetate	2.84	43	21434	5.37	ug/l #	55
20) Methylene Chloride	2.87	84	770	0.28	ug/l #	55
21) trans-1,2-Dichloroethene	3.17	96	642	0.24	ug/l #	69
25) 2-Butanone	4.72	43	737	0.35	ug/l	96
31) Cyclohexane	5.57	56	22791	5.27	ug/l	92
36) 1,1-Dichloropropene	5.67	75	16829	4.43	ug/l #	52
38) Carbon Tetrachloride	5.67	117	22871	5.48	ug/l #	16
39) Methylcyclohexane	7.46	83	13181	2.98	ug/l	93
40) Benzene	6.15	78	3309	0.30	ug/l #	90
48) Methyl methacrylate	7.74	41	1182	0.33	ug/l #	46
51) 4-Methyl-2-Pentanone	8.66	43	1144	0.27	ug/l	88
52) Toluene	8.79	92	4049	0.57	ug/l	96
55) 1,1,2-Trichloroethane	9.16	97	6971	2.40	ug/l #	20
56) Ethyl methacrylate	9.17	69	1768	0.42	ug/l #	1
67) Ethyl Benzene	10.26	91	153473	11.32	ug/l	98
68) m/p-Xylenes	10.37	106	15672	3.00	ug/l	99
69) o-Xylene	10.70	106	3877	0.76	ug/l	89
73) Isopropylbenzene	11.02	105	16507	1.30	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.28	83	1497	0.38	ug/l #	38
76) 1,2,3-Trichloropropane	11.14	75	92313	27.07	ug/l #	33
78) n-propylbenzene	11.37	91	14255	0.99	ug/l	99
80) 1,3,5-Trimethylbenzene	11.46	105	15593	1.46	ug/l	71
81) trans-1,4-Dichloro-2-buten	11.14	75	92313	76.63	ug/l #	7
83) tert-Butylbenzene	11.77	119	5704	0.54	ug/l	89

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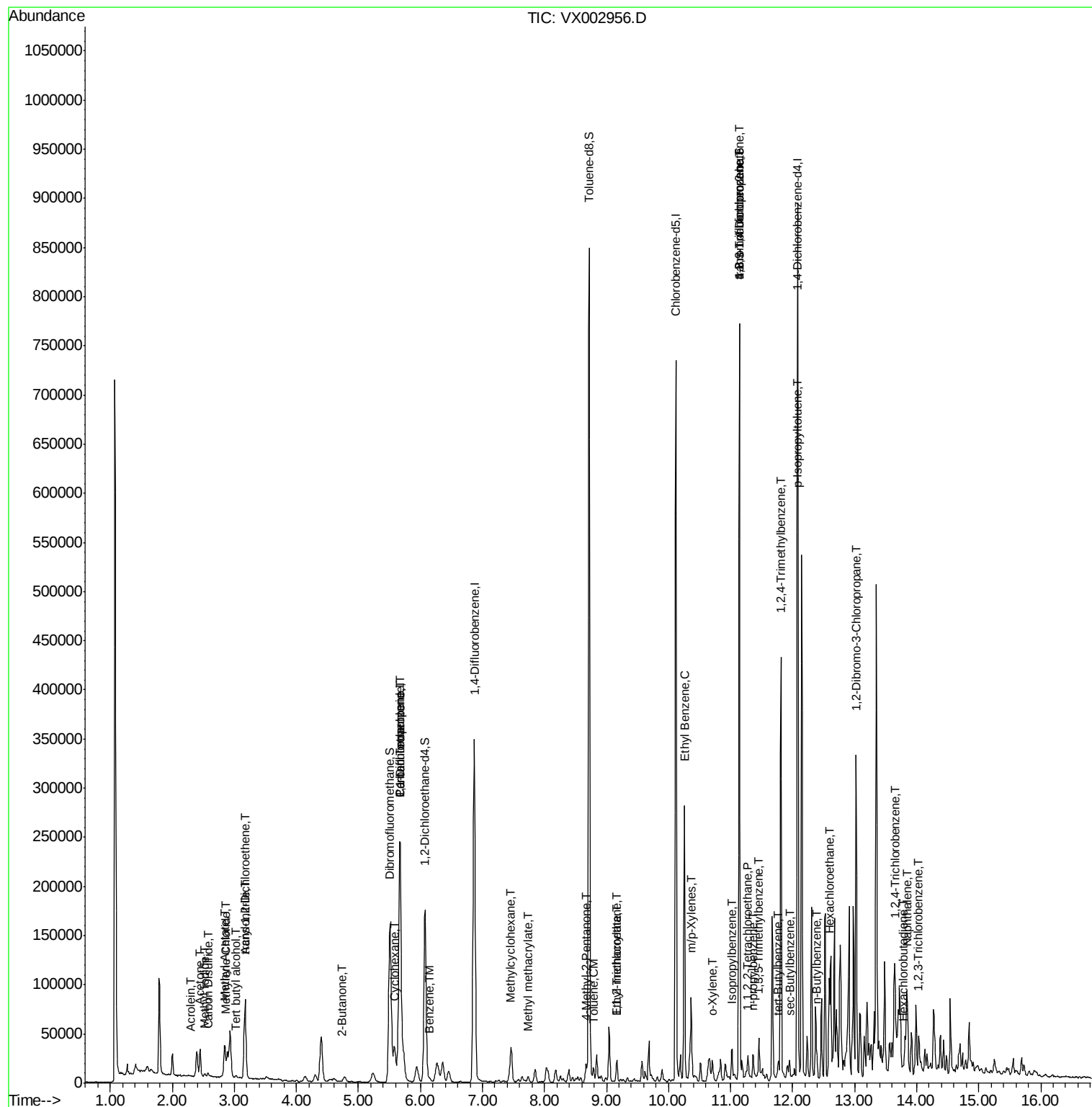
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.81	105	173873	15.73	ug/l	97
85) sec-Butylbenzene	11.95	105	7789	0.61	ug/l	85
86) p-Isopropyltoluene	12.07	119	10478	0.91	ug/l	96
89) n-Butylbenzene	12.39	91	6885	0.69	ug/l #	30
90) Hexachloroethane	12.59	117	3673	2.15	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.02	75	1238	1.41	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	1578	0.33	ug/l #	1
94) Hexachlorobutadiene	13.79	225	716	0.30	ug/l	89
95) Naphthalene	13.83	128	48682	3.78	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.02	180	1443	0.30	ug/l #	1

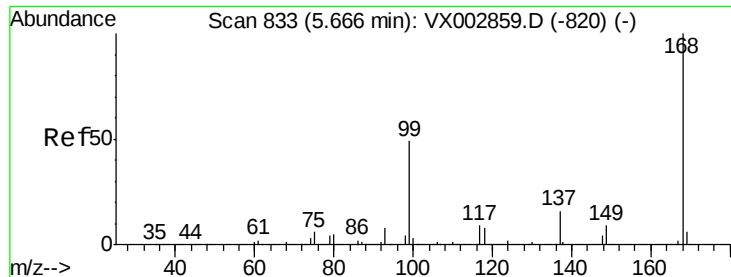
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

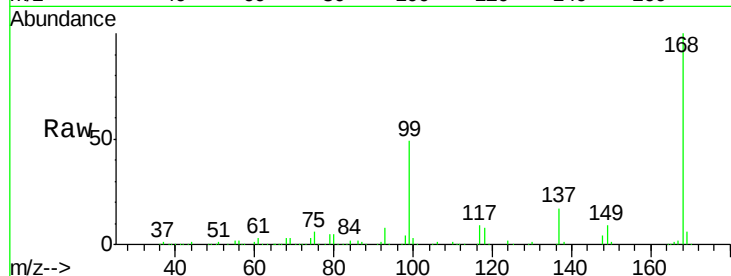
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 249426

Ion Ratio Lower Upper

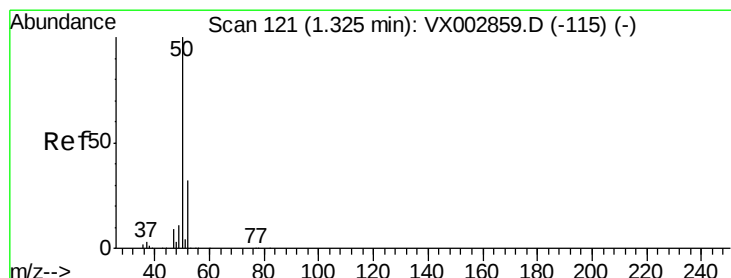
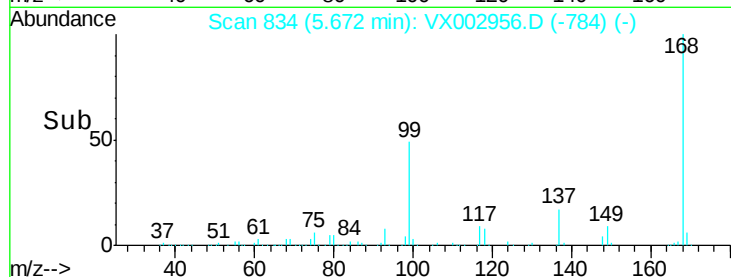
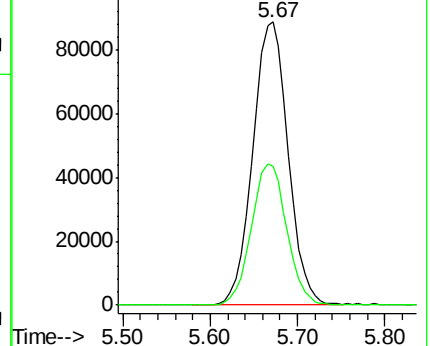
168 100

99 49.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002956.D

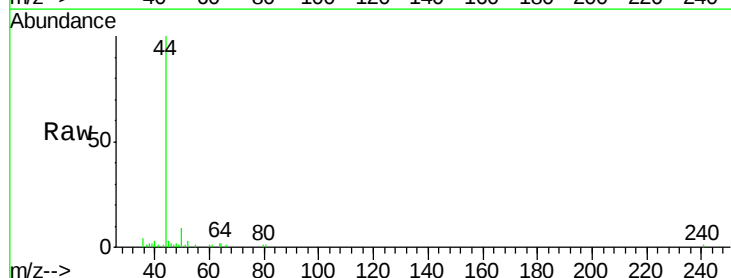
Acq: 28 Jun 2018 00:53

Tgt Ion: 50 Resp: 863

Ion Ratio Lower Upper

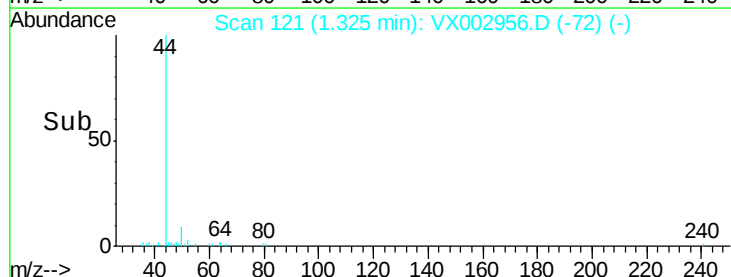
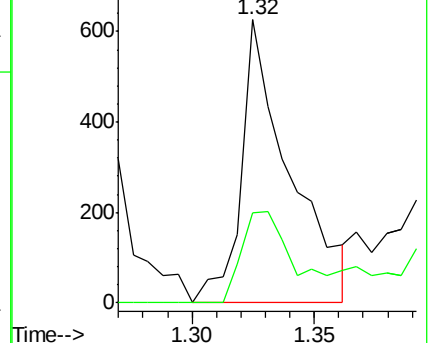
50 100

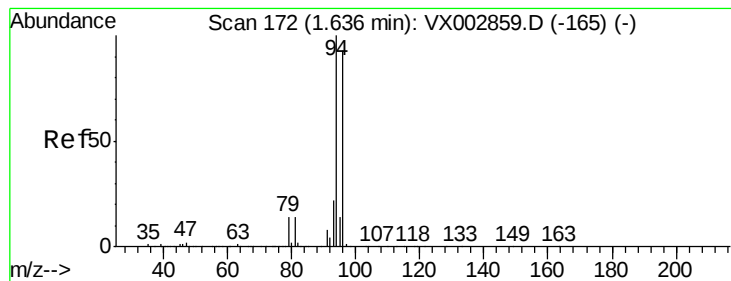
52 31.6 25.7 38.5



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: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :

MSVOA_X

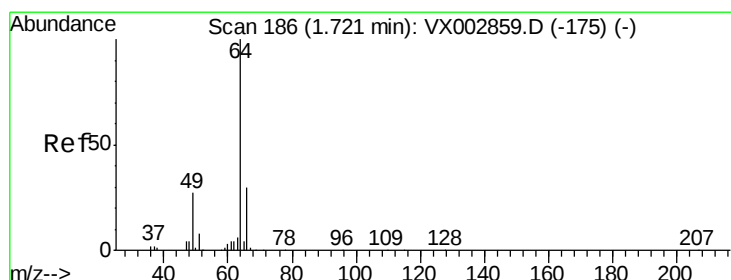
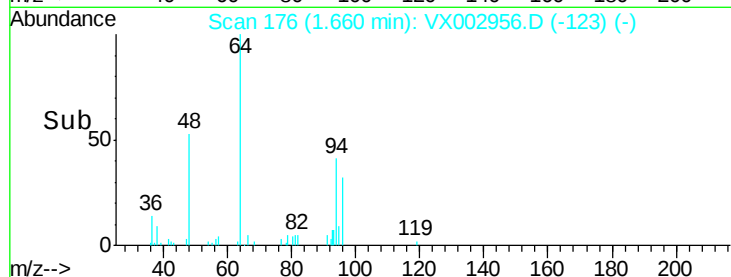
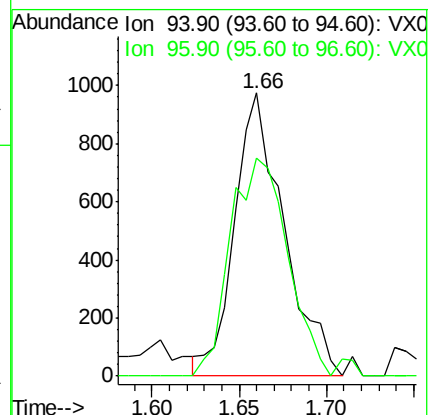
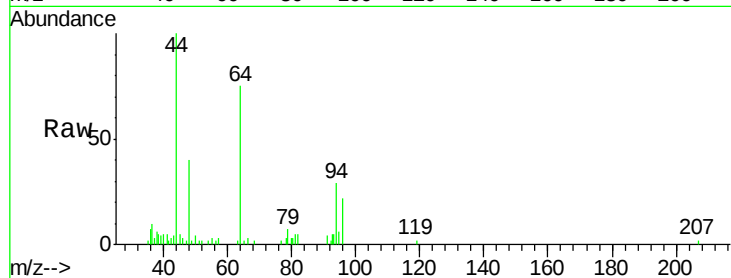
ClientSampled :

Tot Ion: 94 Resp: 1927

Ion Ratio Lower Upper

94 100

96 77.0 74.9 112.3



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002956.D

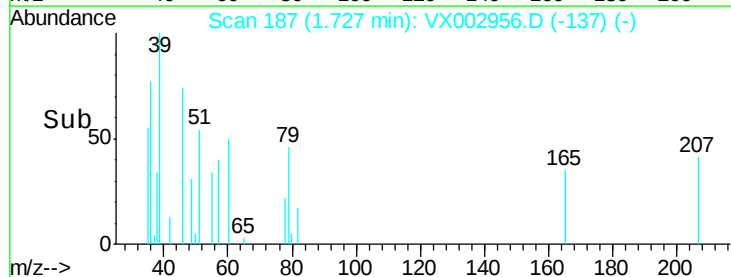
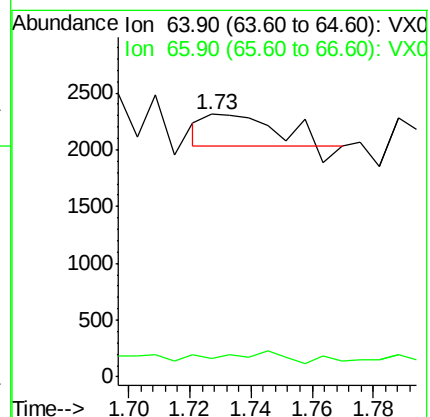
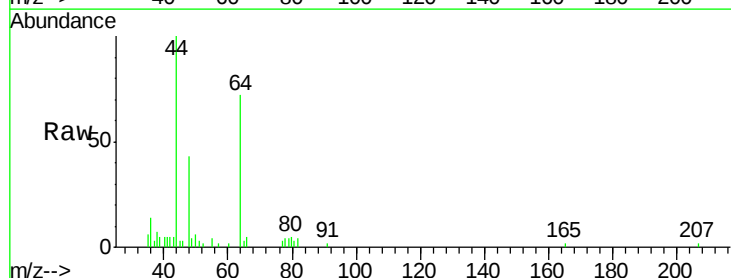
Acq: 28 Jun 2018 00:53

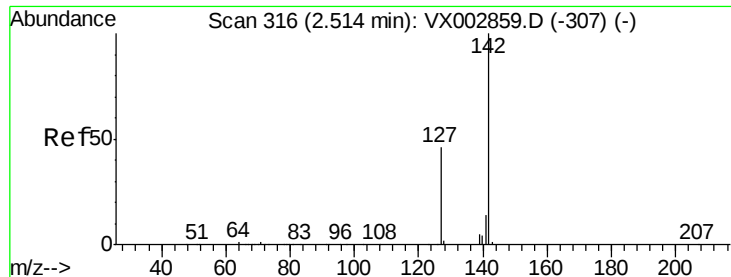
Tgt Ion: 64 Resp: 399

Ion Ratio Lower Upper

64 100

66 8.7 25.5 38.3#

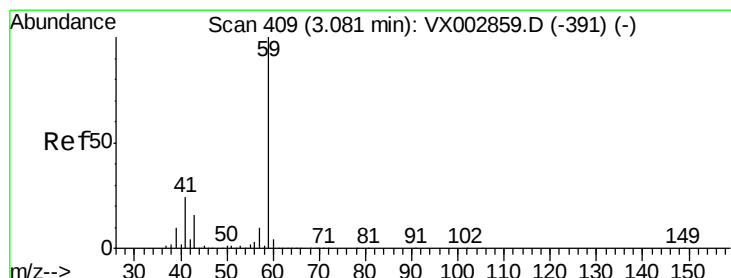
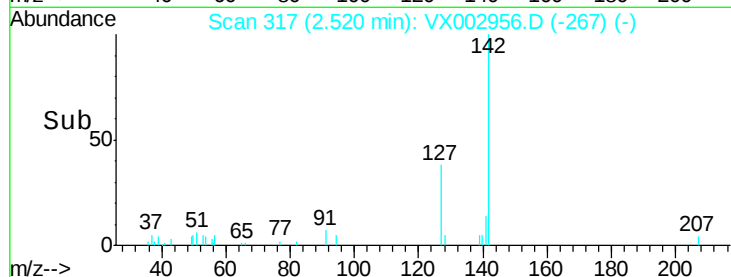
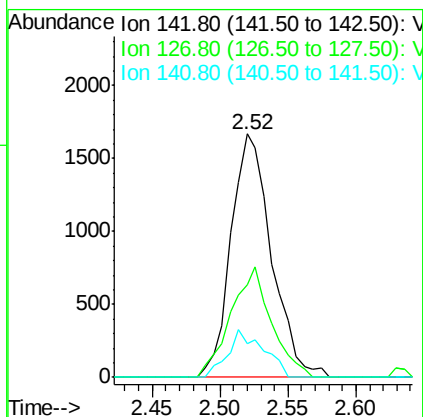
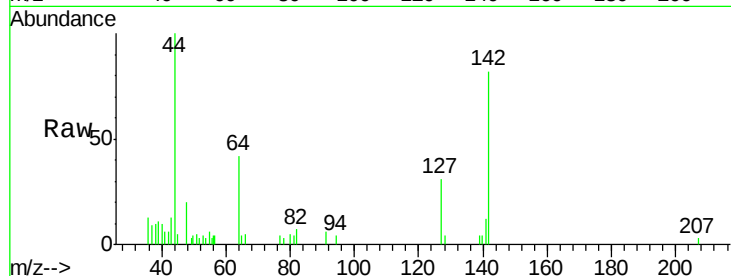




#10
Methyl Iodide
Concen: 7.31 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

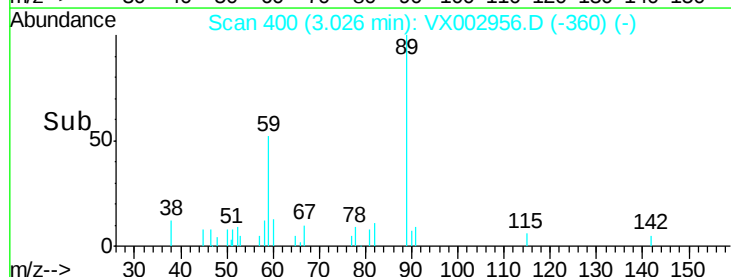
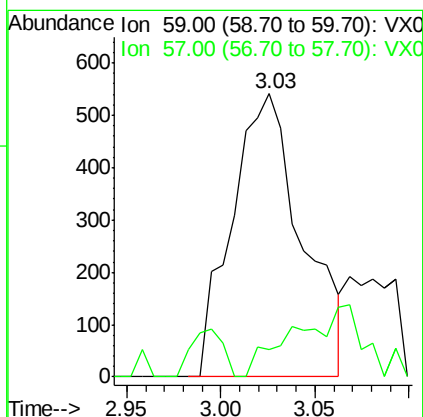
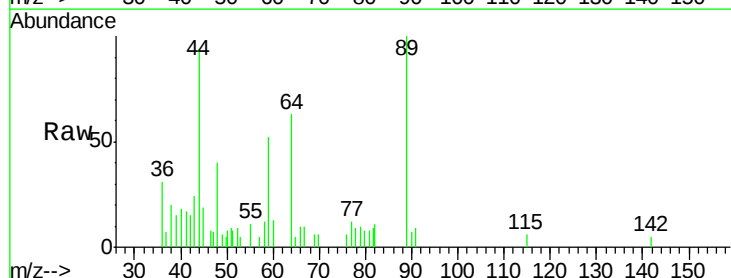
Instrument :
MSVOA_X
ClientSampled :

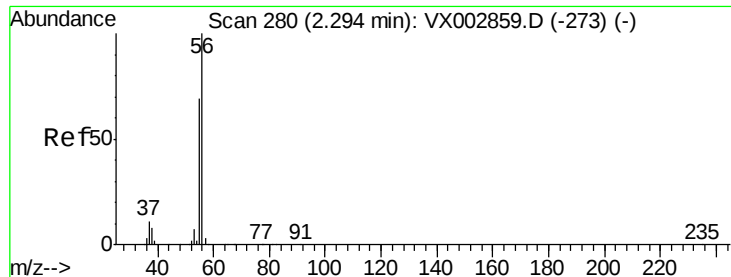
Tot Ion:142 Resp: 3466
Ion Ratio Lower Upper
142 100
127 45.5 36.6 55.0
141 17.2 11.3 16.9#



#11
Tert butyl alcohol
Concen: 2.04 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

Tgt Ion: 59 Resp: 1401
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 5.05 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

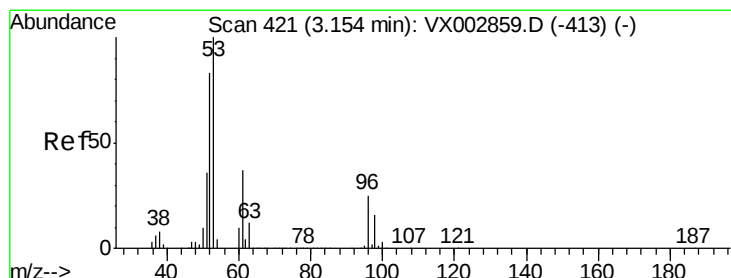
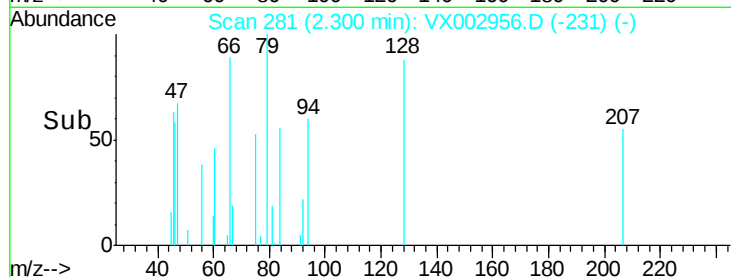
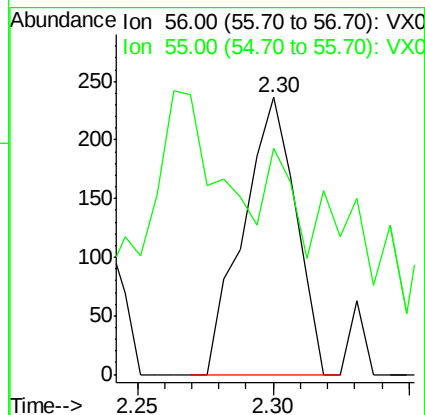
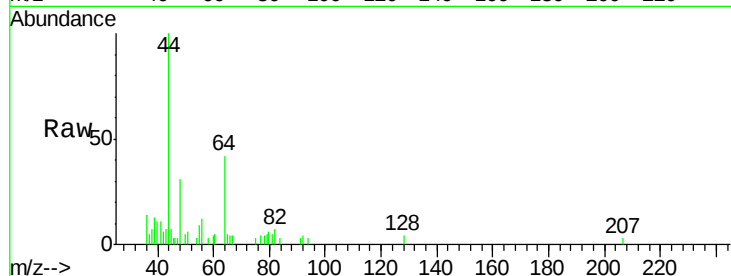
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 316

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#15

Acrylonitrile

Concen: 2.12 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.02 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

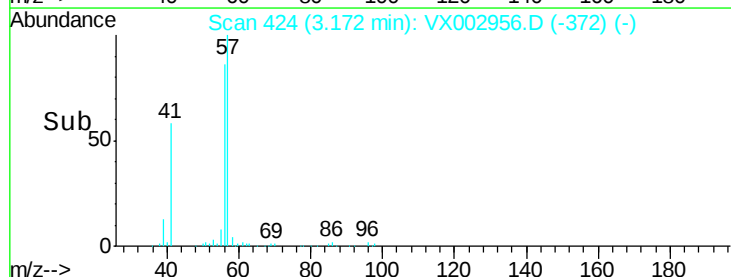
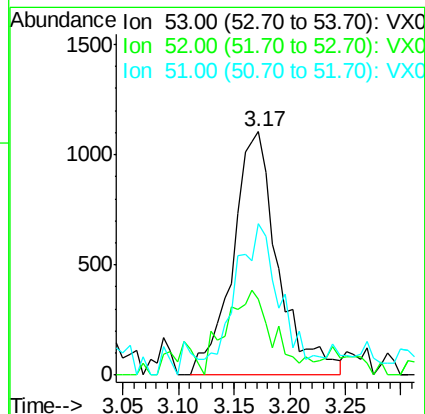
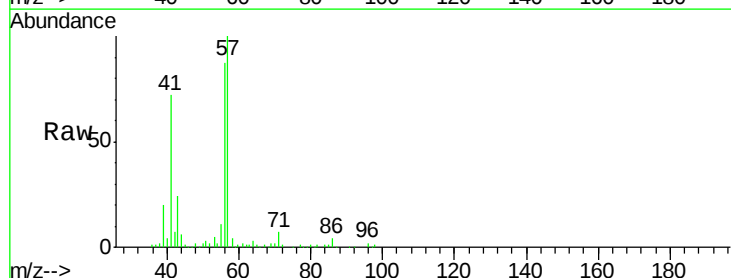
Tgt Ion: 53 Resp: 3113

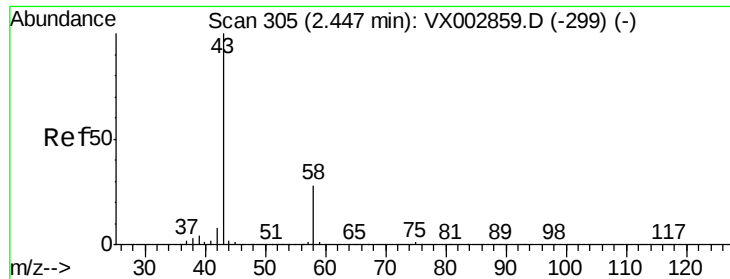
Ion Ratio Lower Upper

53 100

52 35.3 66.7 100.1#

51 48.2 29.9 44.9#





#16

Acetone

Concen: 19.61 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :

MSVOA_X

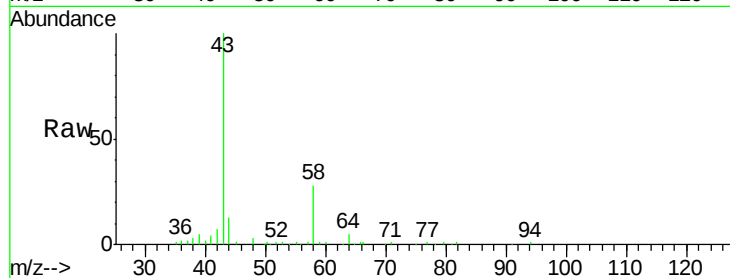
ClientSampled :

Tot Ion: 43 Resp: 27993

Ion Ratio Lower Upper

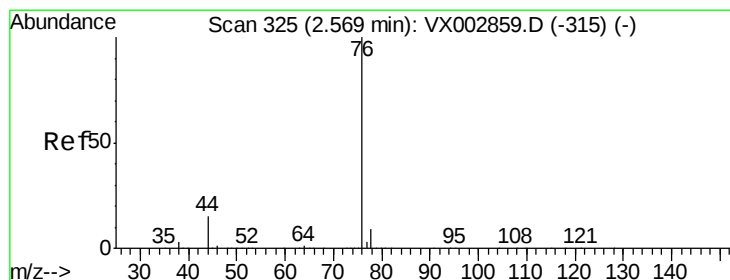
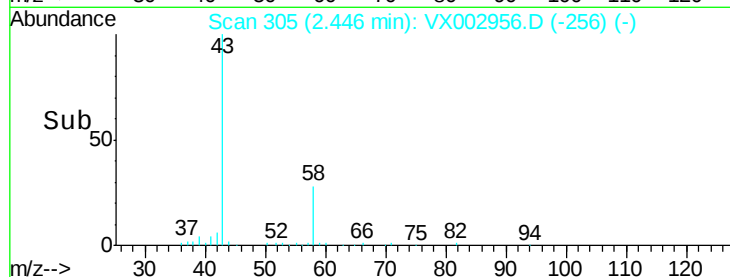
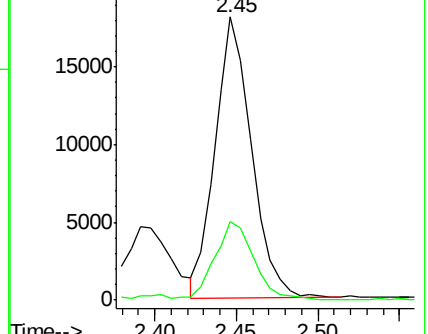
43 100

58 28.0 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.72 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002956.D

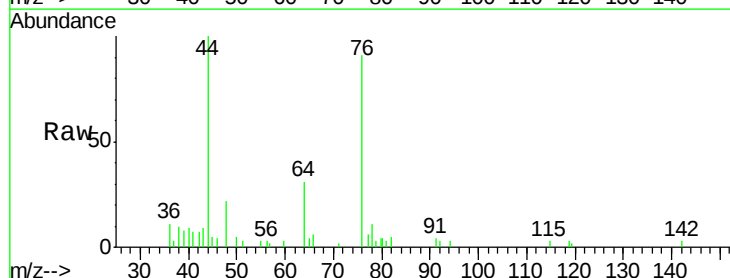
Acq: 28 Jun 2018 00:53

Tgt Ion: 76 Resp: 4697

Ion Ratio Lower Upper

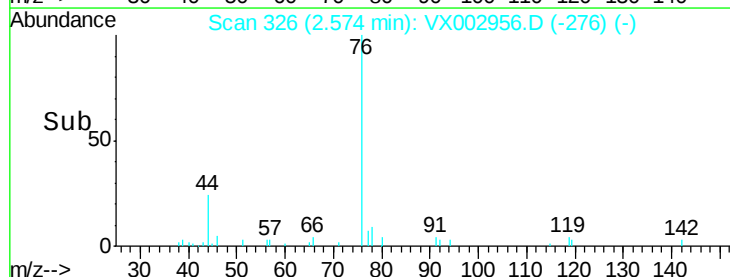
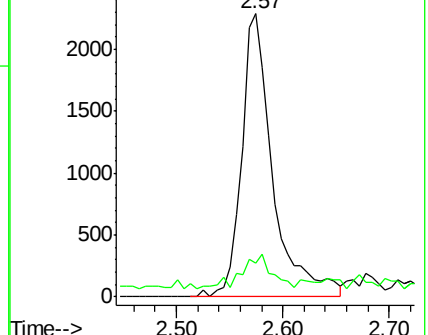
76 100

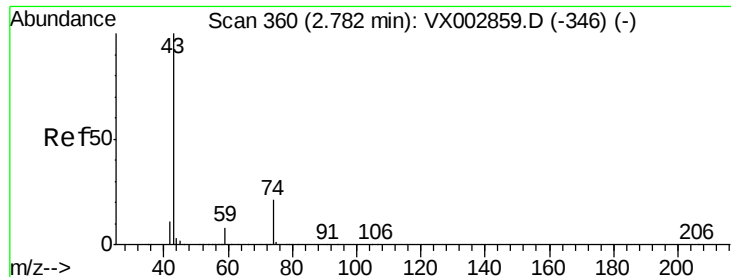
78 7.2 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

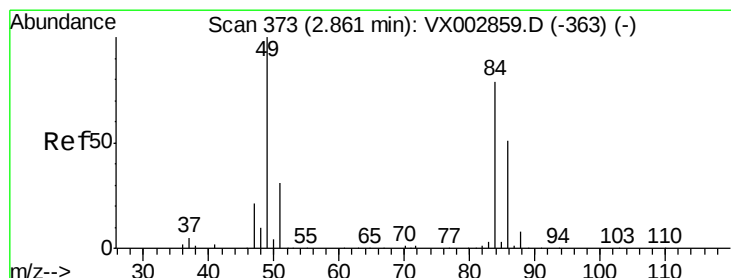
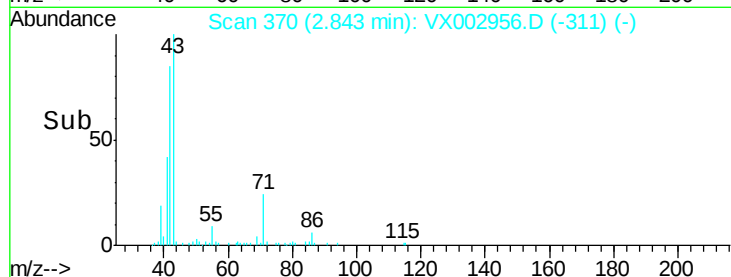
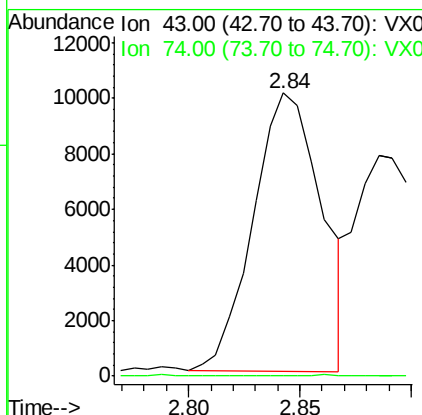
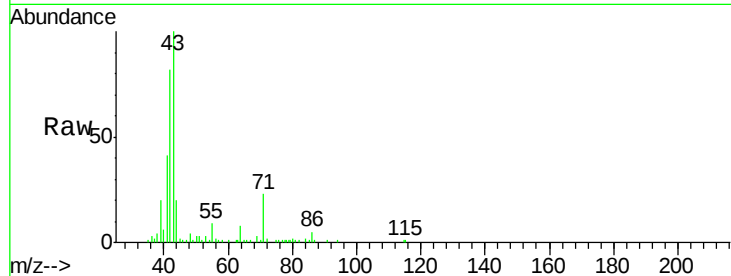




#18
Methyl Acetate
Concen: 5.37 ug/l
RT: 2.84 min Scan# 370
Delta R.T. 0.06 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

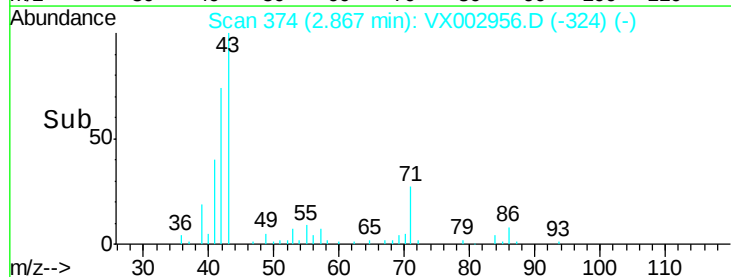
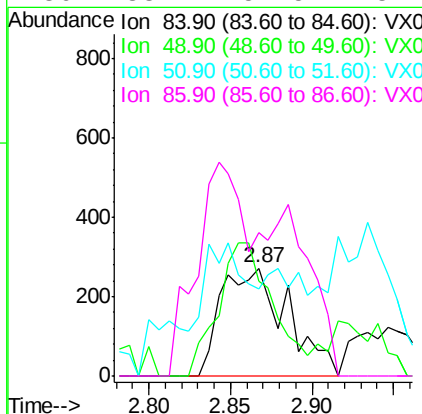
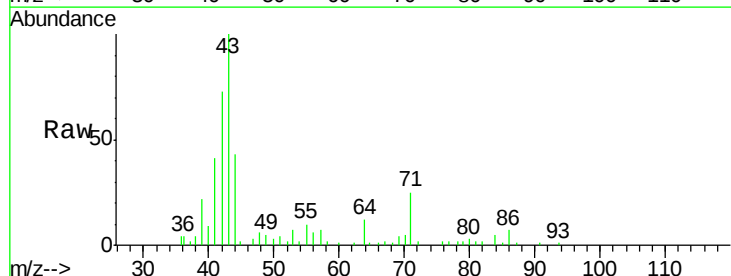
Instrument :
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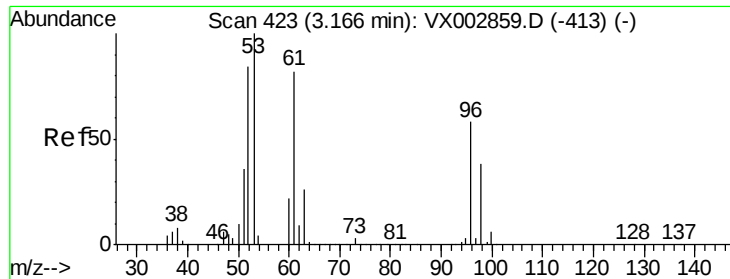
Tot Ion: 43 Resp: 21434
Ion Ratio Lower Upper
43 100
74 0.1 16.7 25.1#



#20
Methylene Chloride
Concen: 0.28 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

Tgt Ion: 84 Resp: 770
Ion Ratio Lower Upper
84 100
49 88.2 107.8 161.6#
51 39.5 32.8 49.2
86 133.2 52.5 78.7#





#21

trans-1,2-Dichloroethene

Concen: 0.24 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :
MSVOA_X
ClientSampleId :

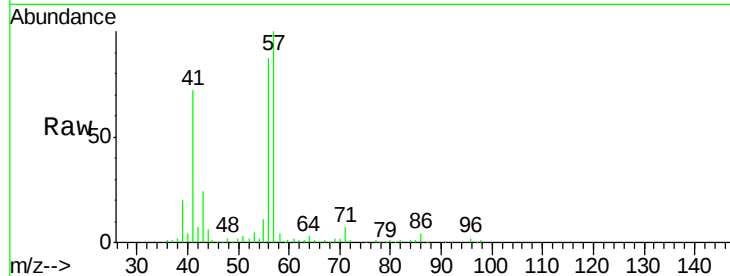
Tot Ion: 96 Resp: 642

Ion Ratio Lower Upper

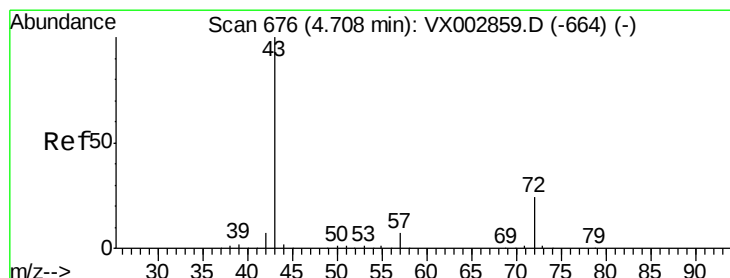
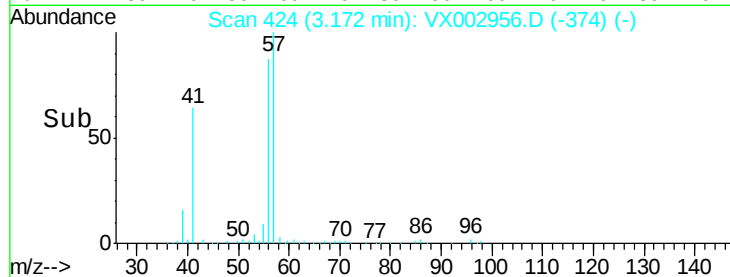
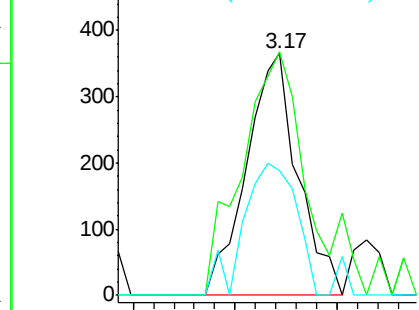
96 100

61 100.5 117.0 175.4#

98 51.4 52.4 78.6#



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



#25

2-Butanone

Concen: 0.35 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX002956.D

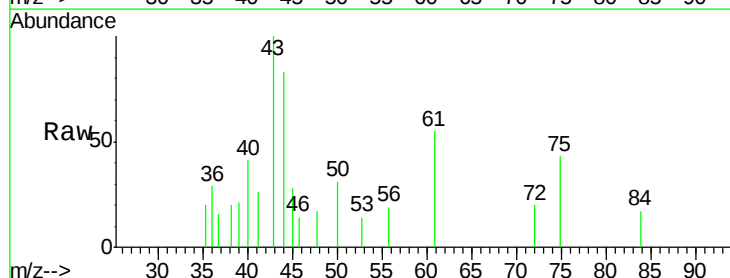
Acq: 28 Jun 2018 00:53

Tgt Ion: 43 Resp: 737

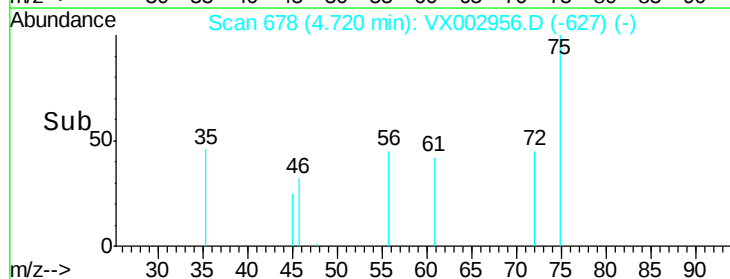
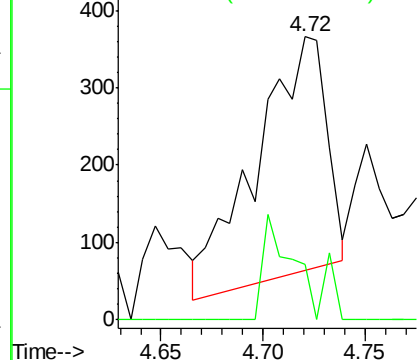
Ion Ratio Lower Upper

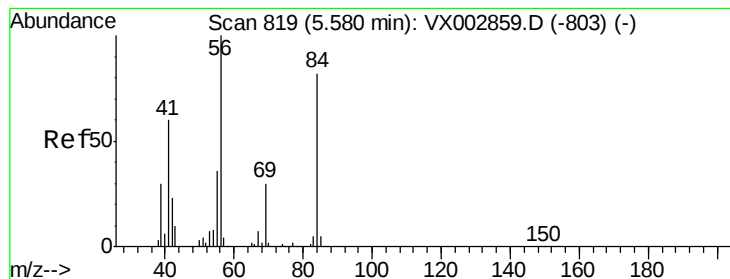
43 100

72 24.9 18.5 27.7



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





#31

Cyclohexane

Concen: 5.27 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :

MSVOA_X

ClientSampleId :

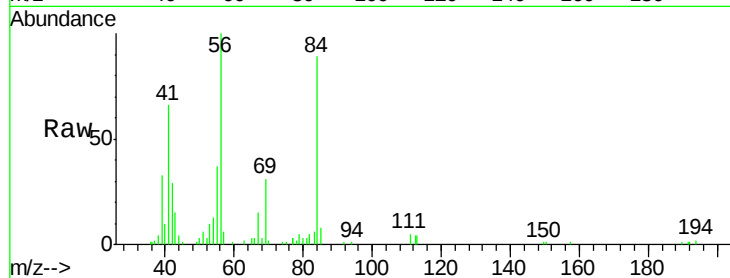
Tot Ion: 56 Resp: 22791

Ion Ratio Lower Upper

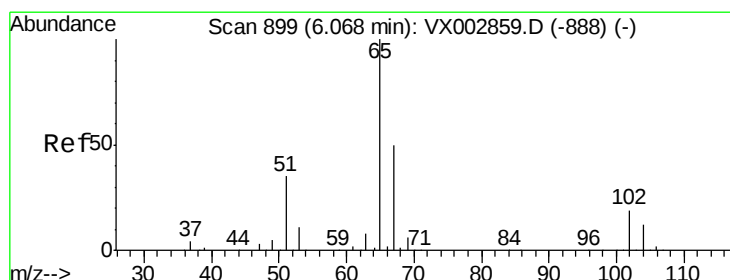
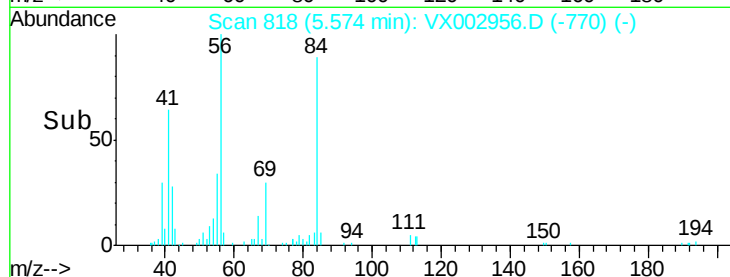
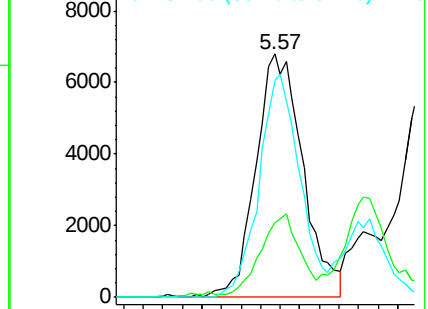
56 100

69 29.2 23.7 35.5

84 89.2 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: 48.21 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002956.D

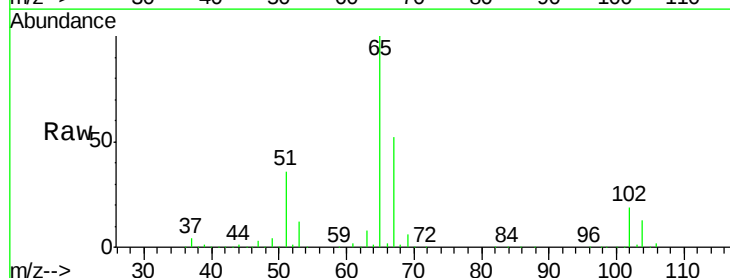
Acq: 28 Jun 2018 00:53

Tgt Ion: 65 Resp: 166205

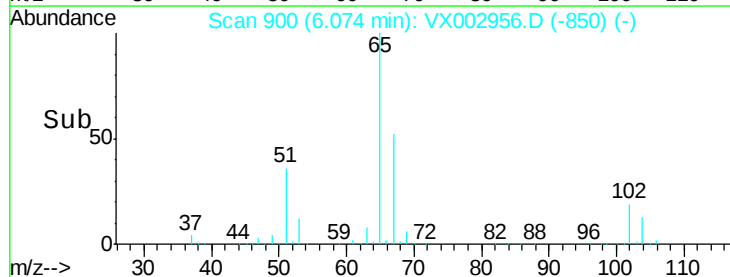
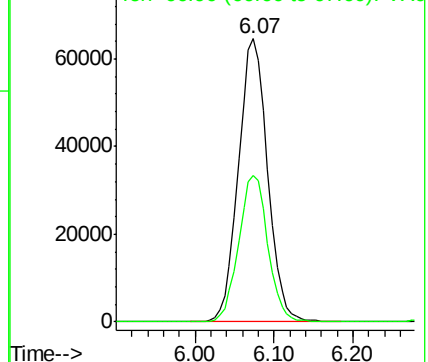
Ion Ratio Lower Upper

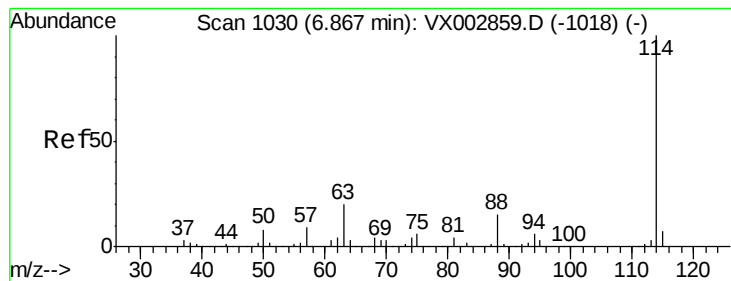
65 100

67 51.8 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: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :
MSVOA_X
ClientSampleId :

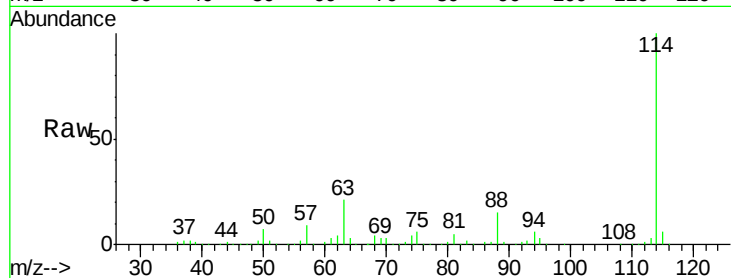
Tot Ion:114 Resp: 346494

Ion Ratio Lower Upper

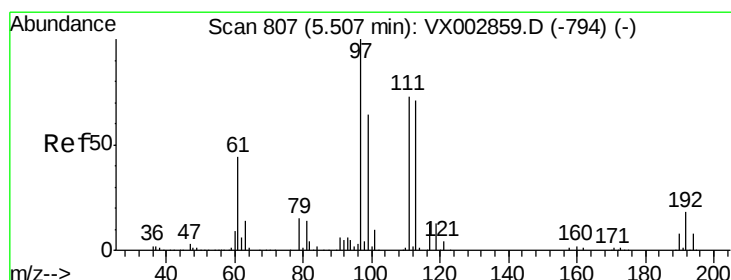
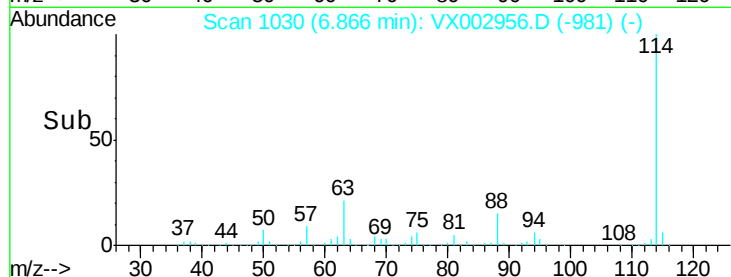
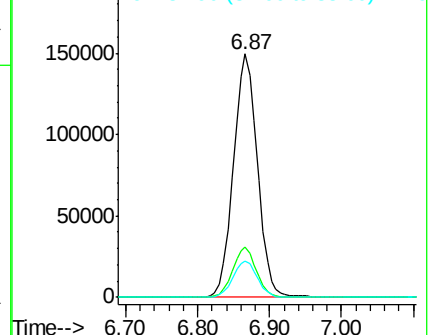
114 100

63 20.6 0.0 41.4

88 15.0 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: 48.50 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

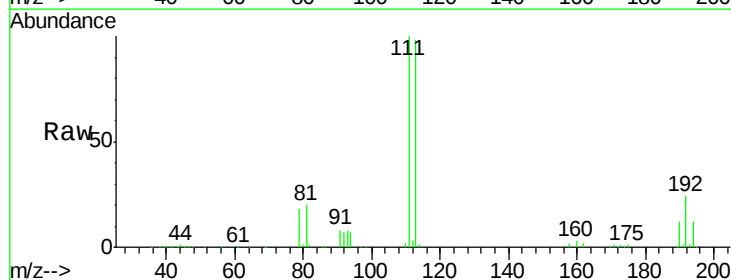
Tgt Ion:113 Resp: 133078

Ion Ratio Lower Upper

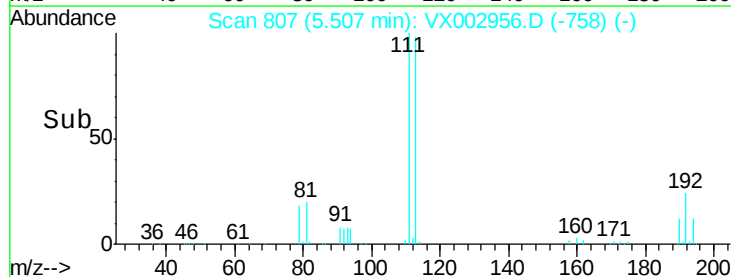
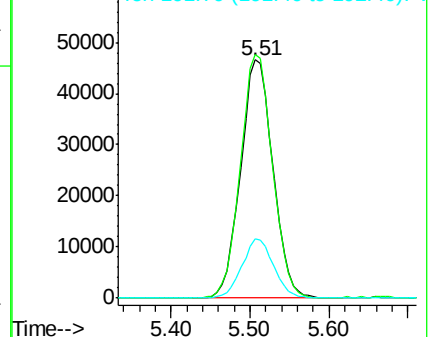
113 100

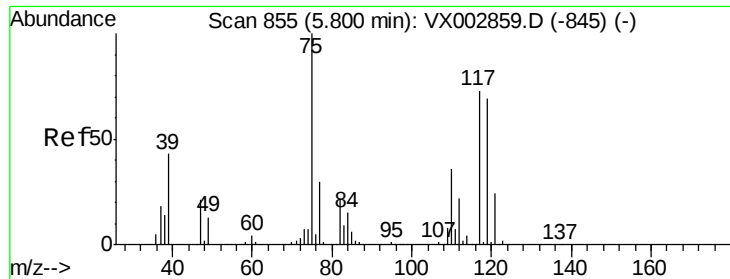
111 101.3 81.4 122.0

192 24.3 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

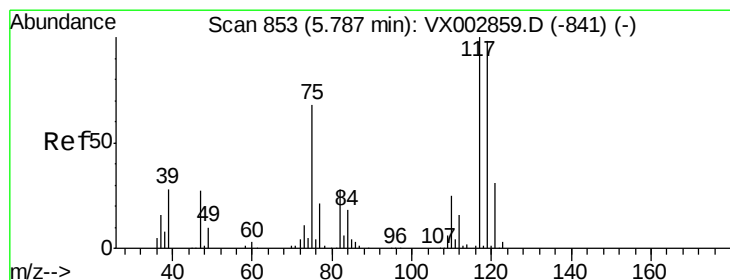
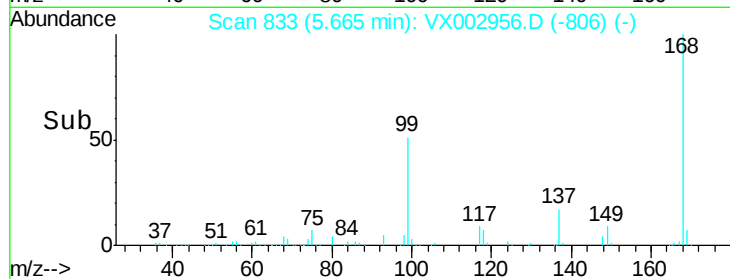
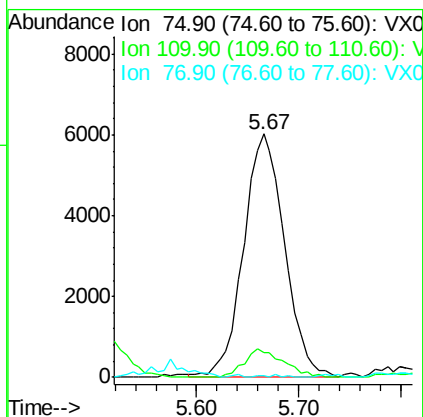
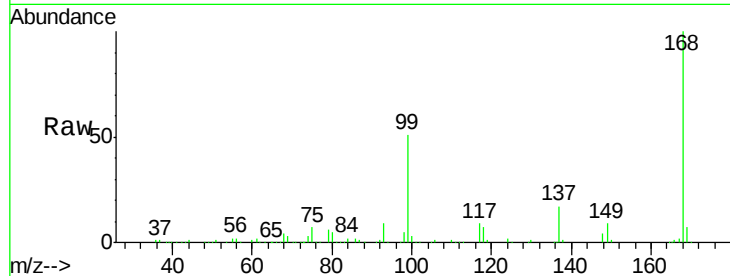




#36
 1,1-Dichloropropene
 Concen: 4.43 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002956.D
 Acq: 28 Jun 2018 00:53

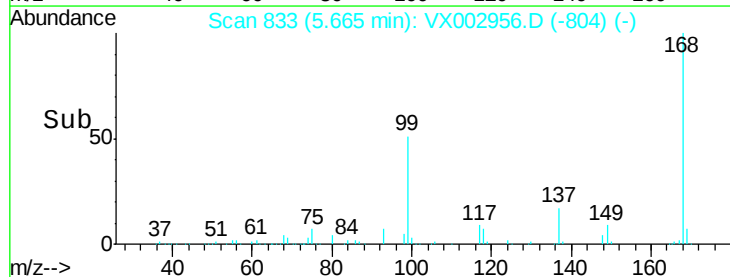
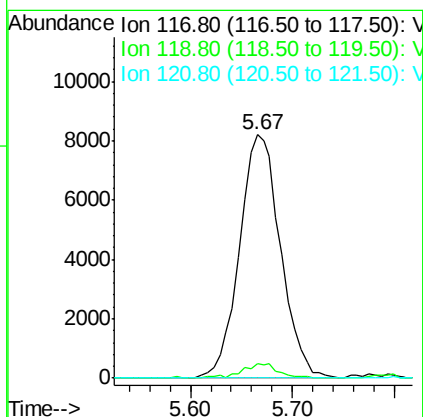
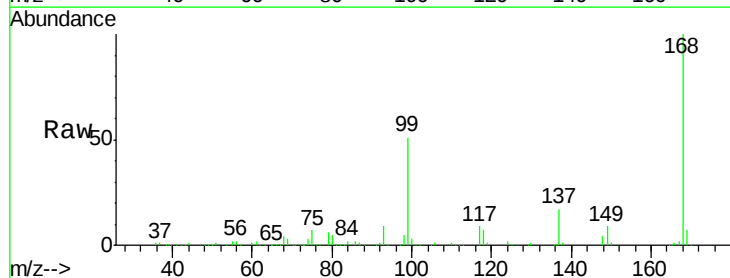
Instrument :
 MSVOA_X
 ClientSampleId :

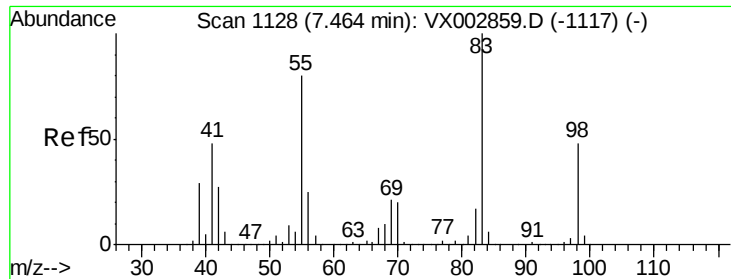
Tot Ion: 75 Resp: 16829
 Ion Ratio Lower Upper
 75 100
 110 11.2 18.1 54.4#
 77 0.2 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.48 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002956.D
 Acq: 28 Jun 2018 00:53

Tgt Ion: 117 Resp: 22871
 Ion Ratio Lower Upper
 117 100
 119 6.1 77.4 116.0#
 121 0.0 24.4 36.6#

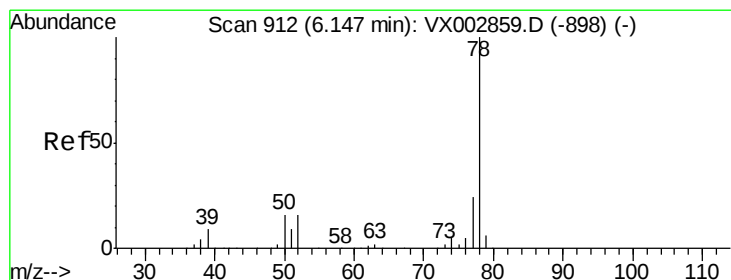
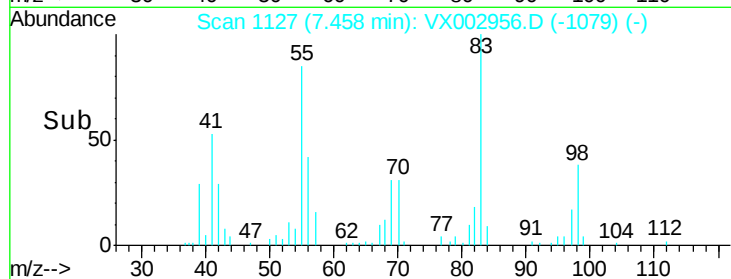
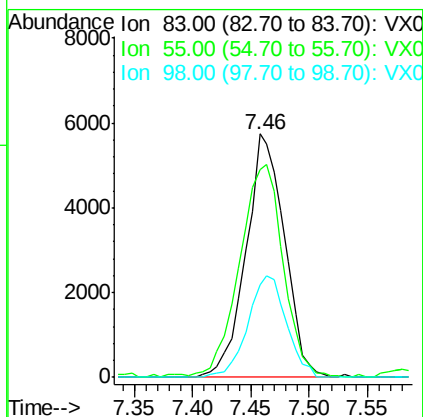
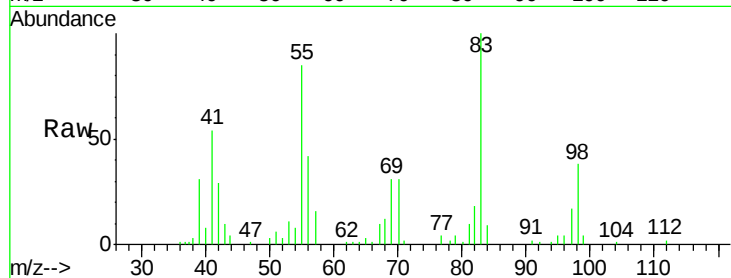




#39
Methvlcvclohexane
Concen: 2.98 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

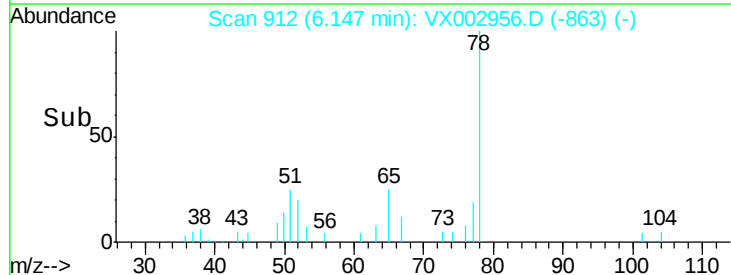
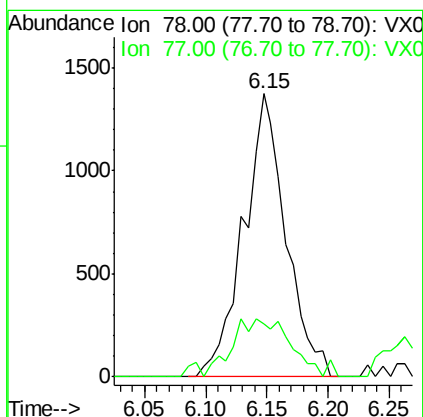
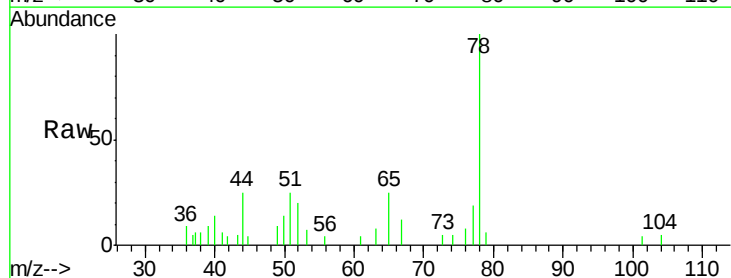
Instrument :
MSVOA_X
ClientSampleId :

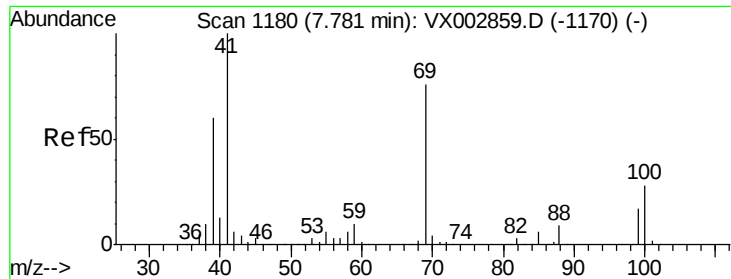
Tot Ion: 83 Resp: 13181
Ion Ratio Lower Upper
83 100
55 84.6 65.4 98.0
98 37.9 37.4 56.0



#40
Benzene
Concen: 0.30 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

Tgt Ion: 78 Resp: 3309
Ion Ratio Lower Upper
78 100
77 18.9 19.1 28.7#

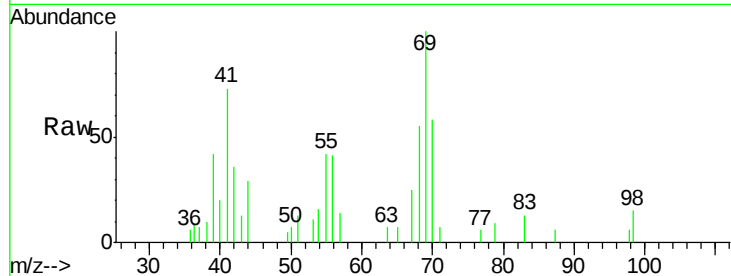




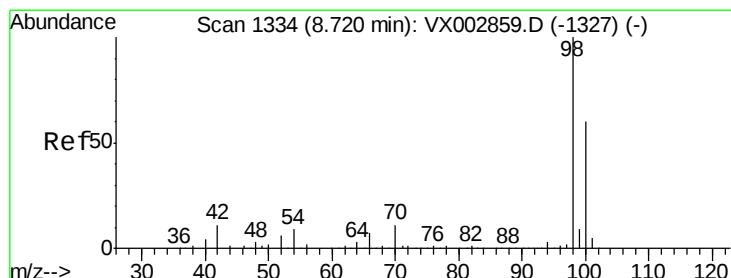
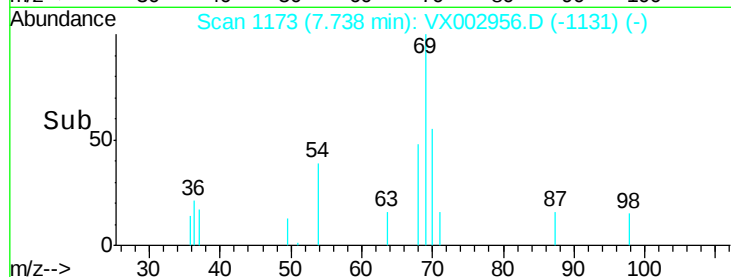
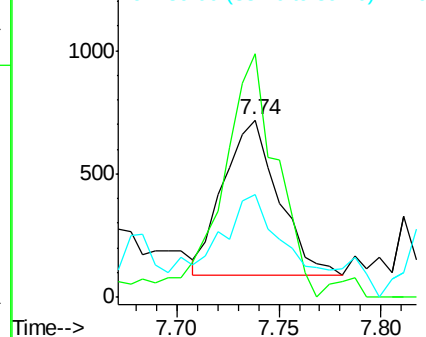
#48
Methvl methacrylate
Concen: 0.33 ug/l
RT: 7.74 min Scan# 1173
Delta R.T. -0.04 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 1182
Ion Ratio Lower Upper
41 100
69 152.0 59.1 88.7#
39 66.9 48.9 73.3

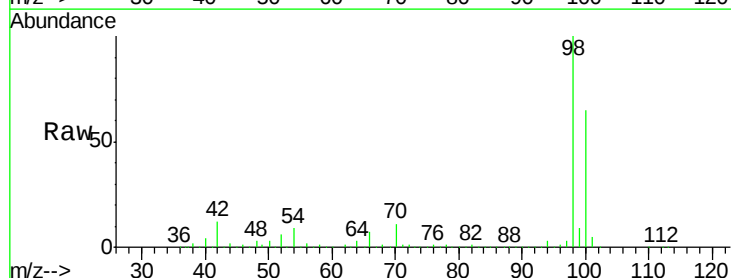


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

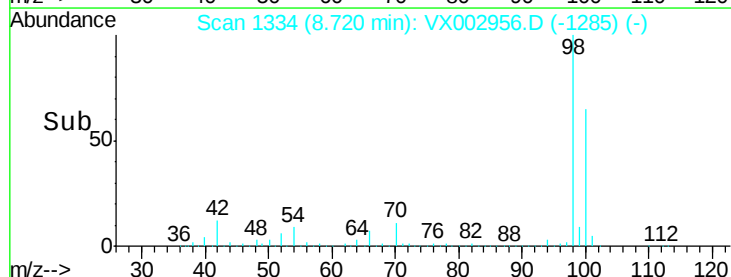
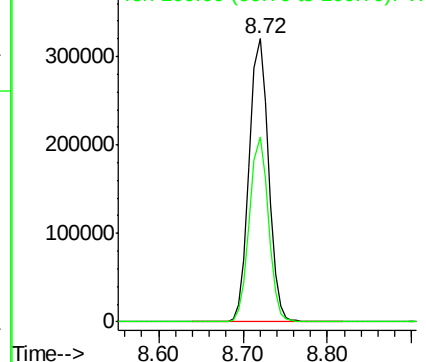


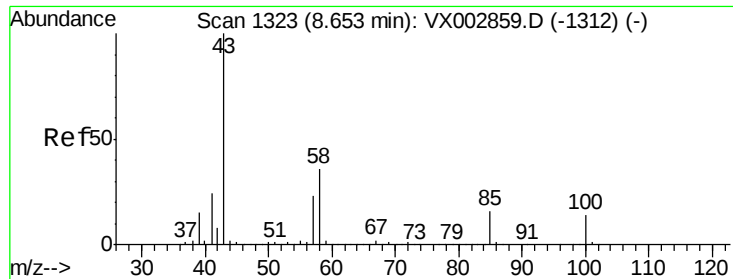
#50
Toluene-d8
Concen: 49.11 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

Tgt Ion: 98 Resp: 492126
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.27 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

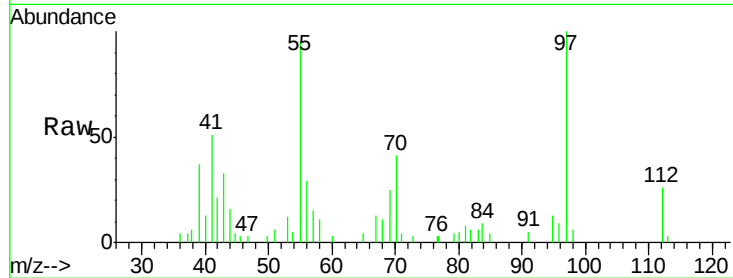
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1144

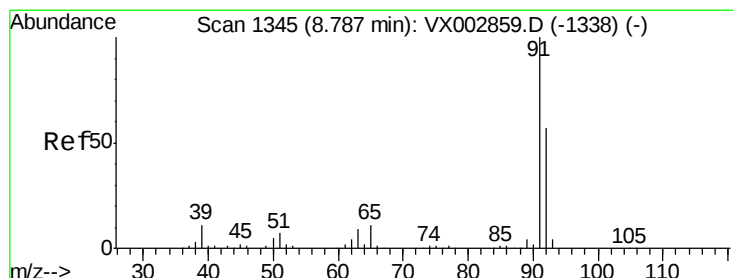
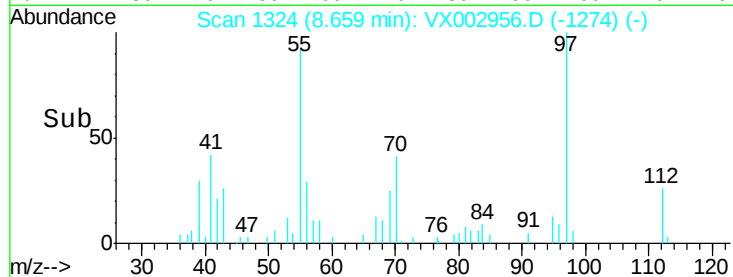
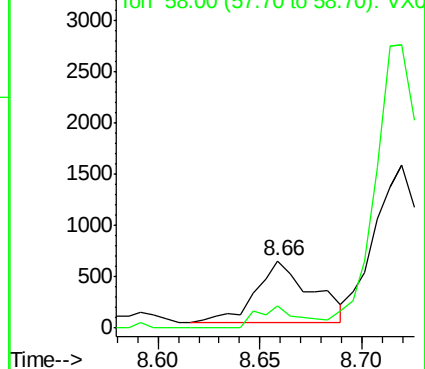
Ion Ratio Lower Upper

43 100

58 28.6 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 0.57 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002956.D

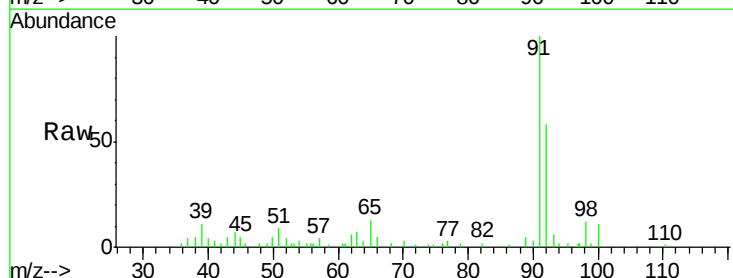
Acq: 28 Jun 2018 00:53

Tgt Ion: 92 Resp: 4049

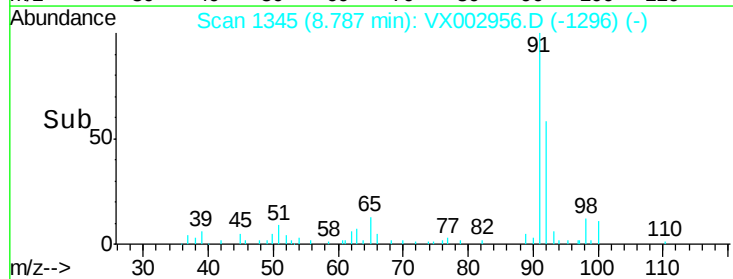
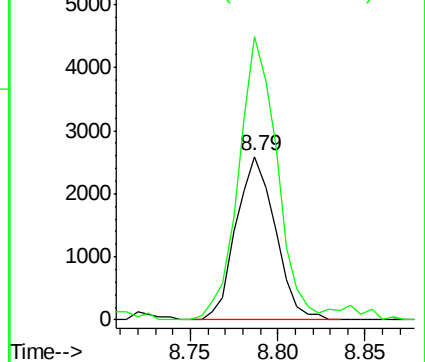
Ion Ratio Lower Upper

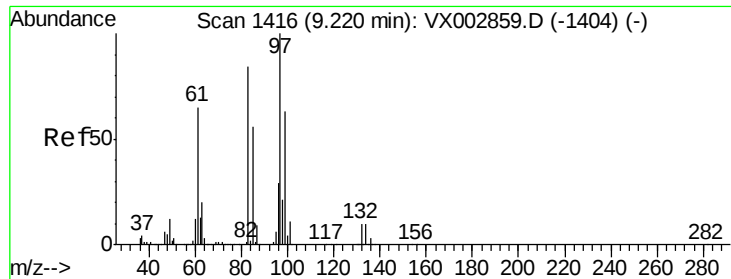
92 100

91 169.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0

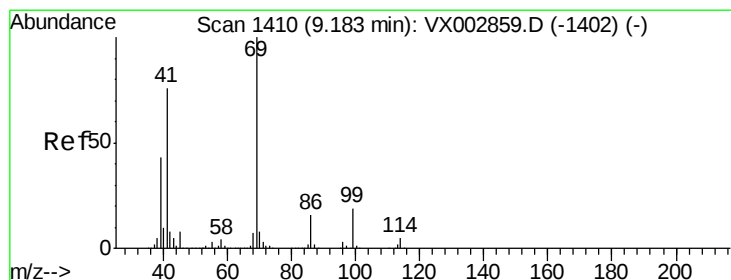
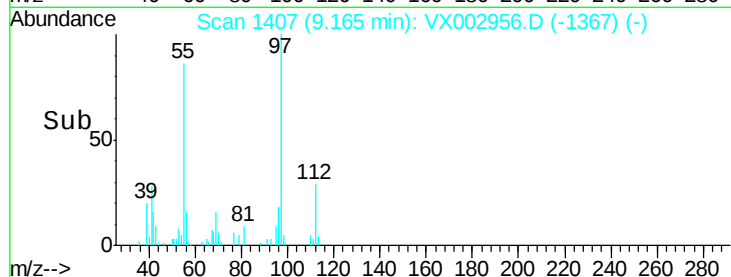
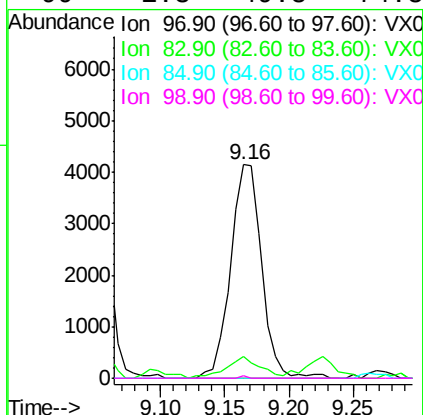
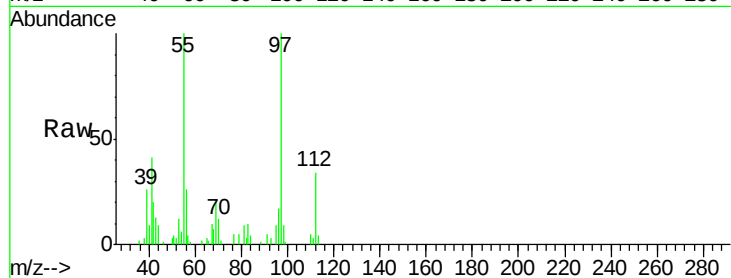




#55
 1,1,2-Trichloroethane
 Concen: 2.40 ug/l
 RT: 9.16 min Scan# 1407
 Delta R.T. -0.06 min
 Lab File: VX002956.D
 Acq: 28 Jun 2018 00:53

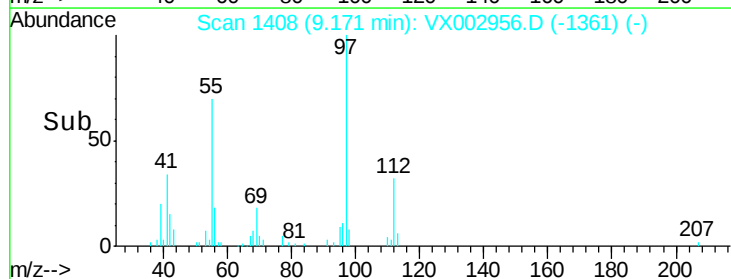
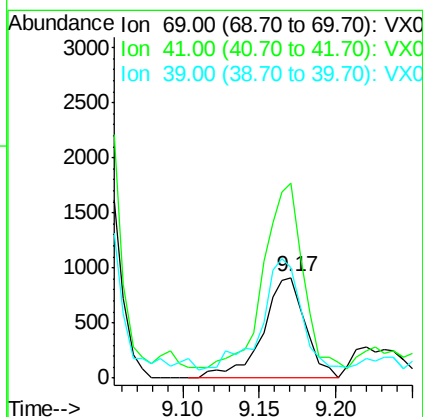
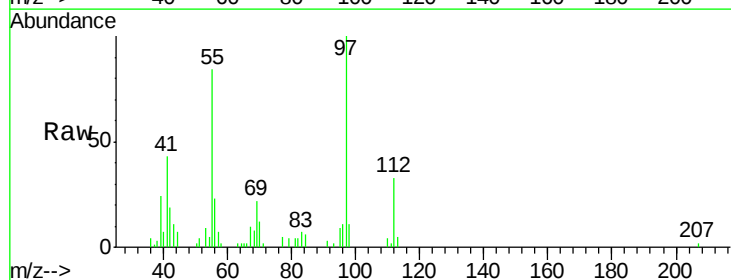
Instrument :
 MSVOA_X
 ClientSampleId :

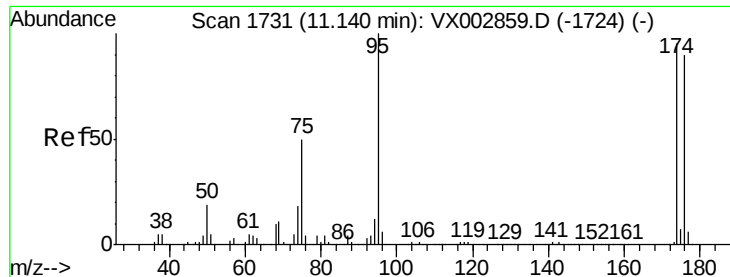
Tot Ion: 97 Resp: 6971
 Ion Ratio Lower Upper
 97 100
 83 10.1 70.2 105.2#
 85 0.0 44.9 67.3#
 99 1.3 49.8 74.8#



#56
 Ethyl methacrylate
 Concen: 0.42 ug/l
 RT: 9.17 min Scan# 1408
 Delta R.T. -0.01 min
 Lab File: VX002956.D
 Acq: 28 Jun 2018 00:53

Tgt Ion: 69 Resp: 1768
 Ion Ratio Lower Upper
 69 100
 41 166.9 60.3 90.5#
 39 102.5 35.8 53.8#

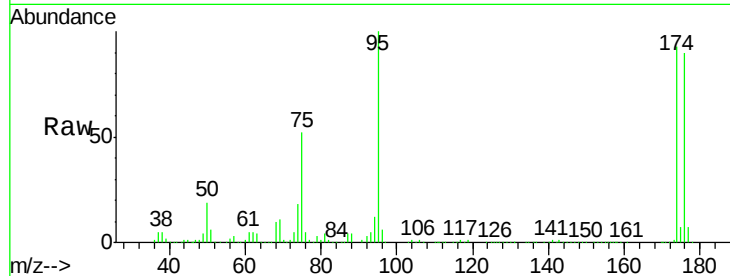




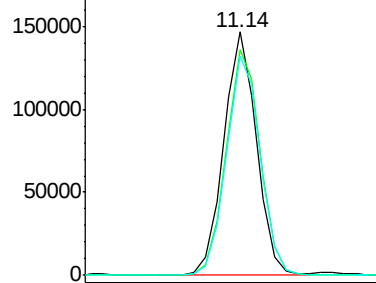
#62
4-Bromofluorobenzene
Concen: 45.47 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

Instrument :
MSVOA_X
ClientSampleId :

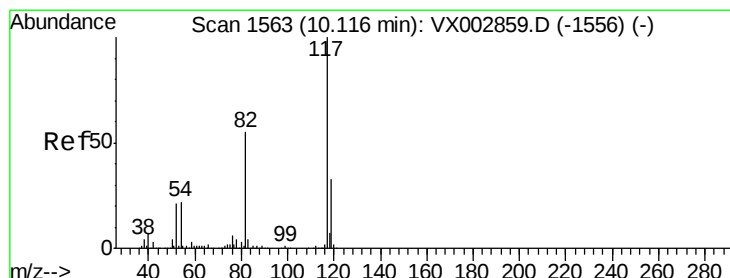
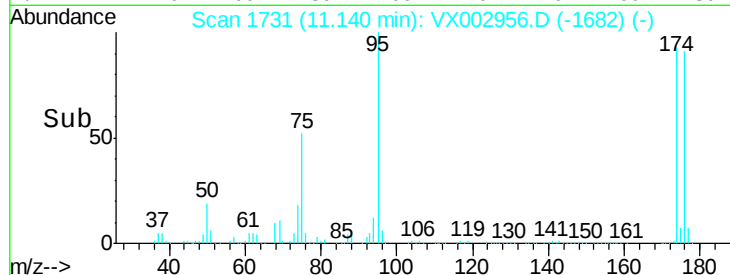
Tot Ion: 95 Resp: 175721
Ion Ratio Lower Upper
95 100
174 96.5 0.0 187.4
176 93.2 0.0 181.0



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

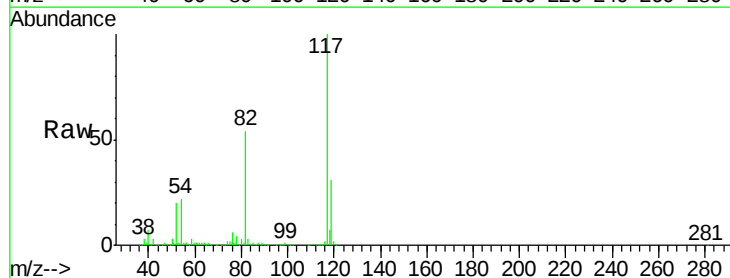


Time-->

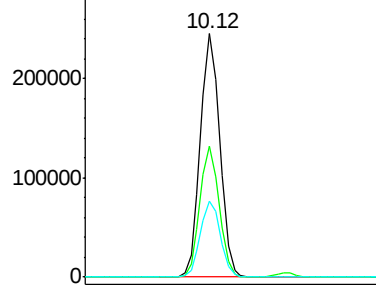


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

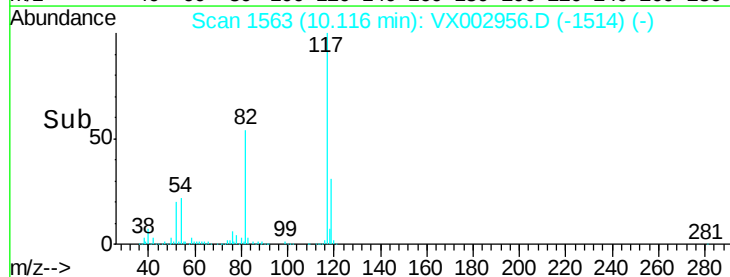
Tgt Ion: 117 Resp: 323233
Ion Ratio Lower Upper
117 100
82 53.7 45.0 67.4
119 31.0 25.8 38.6

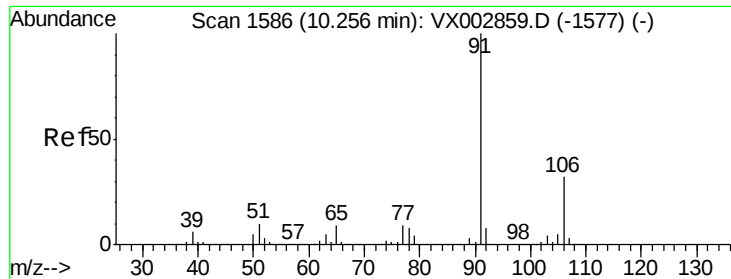


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



Time-->





#67

Ethyl Benzene

Concen: 11.32 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :

MSVOA_X

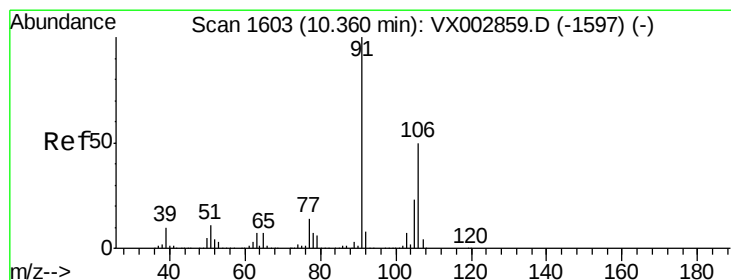
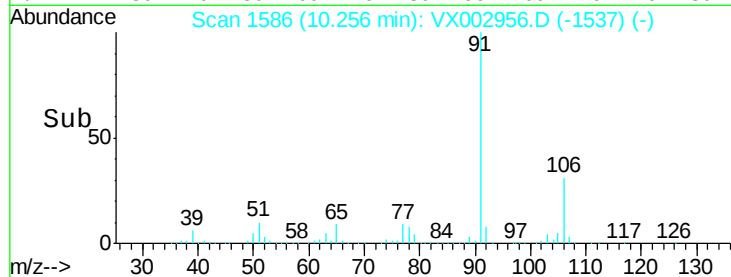
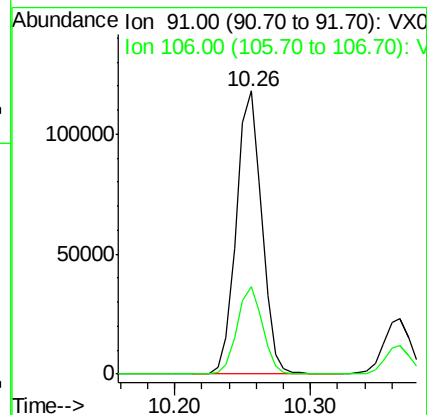
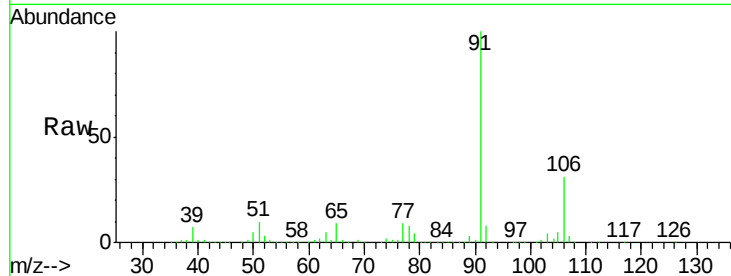
ClientSampleId :

Tot Ion: 91 Resp: 153473

Ion Ratio Lower Upper

91 100

106 30.8 25.5 38.3



#68

m/p-Xylenes

Concen: 3.00 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX002956.D

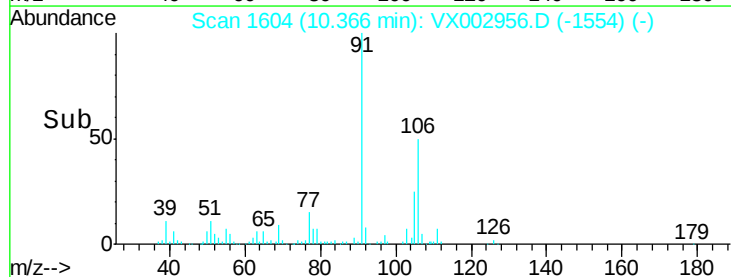
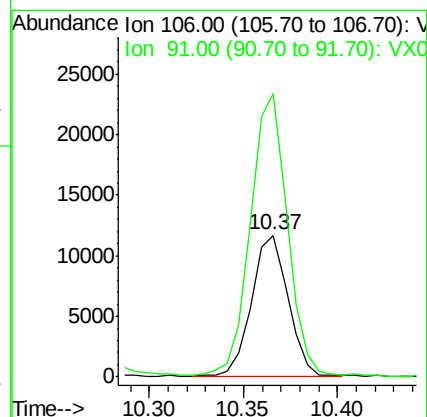
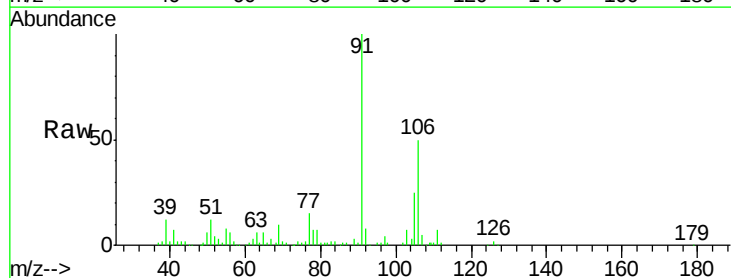
Acq: 28 Jun 2018 00:53

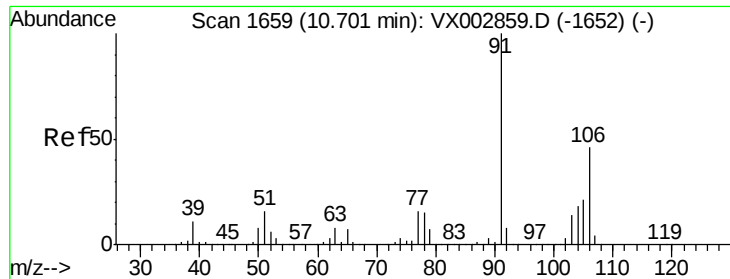
Tgt Ion: 106 Resp: 15672

Ion Ratio Lower Upper

106 100

91 203.0 163.4 245.2

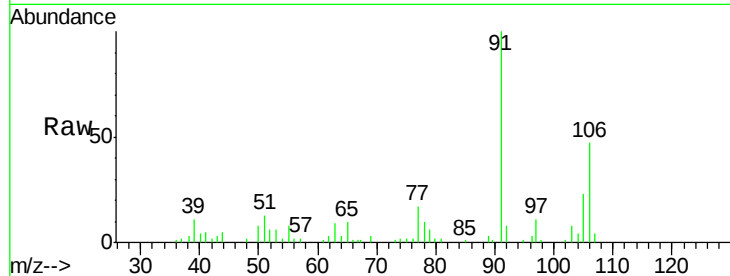




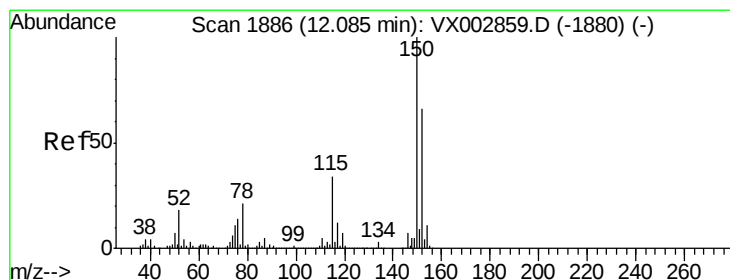
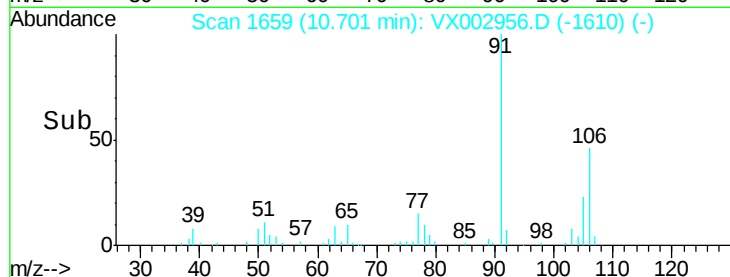
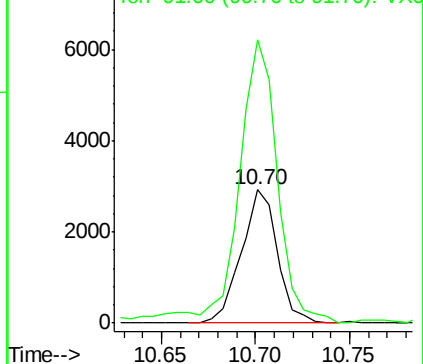
#69
o-Xylene
Concen: 0.76 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 3877
Ion Ratio Lower Upper
106 100
91 233.7 108.2 324.6

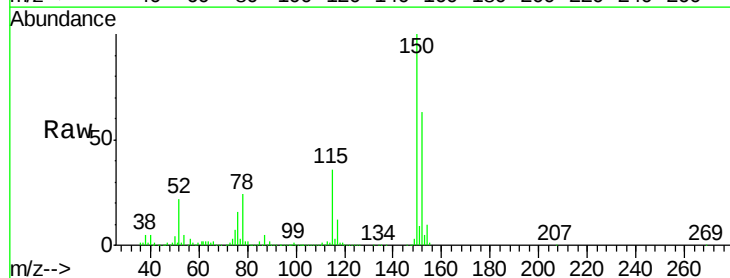


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

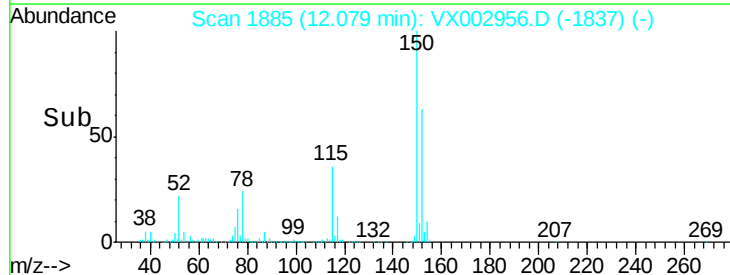
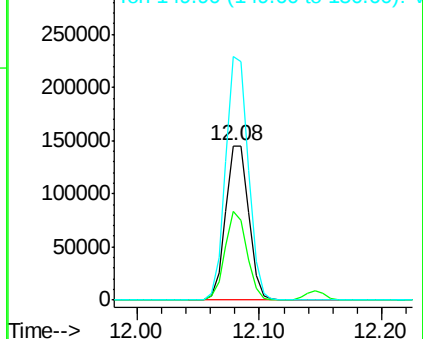


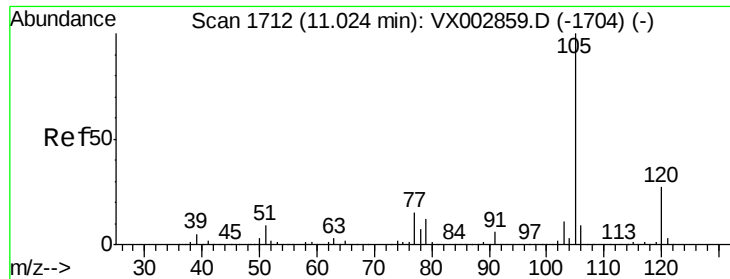
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

Tgt Ion:152 Resp: 188233
Ion Ratio Lower Upper
152 100
115 55.1 40.1 120.2
150 155.6 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





#73

Isopropylbenzene

Concen: 1.30 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :

MSVOA_X

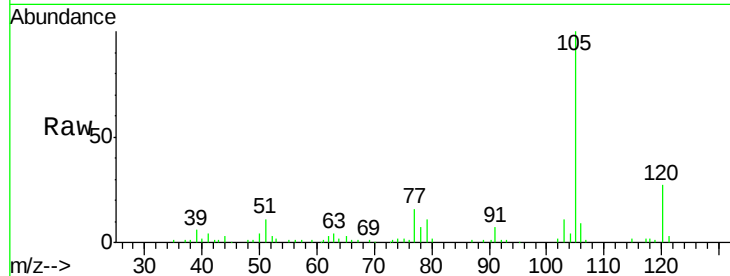
ClientSampleId :

Tot Ion:105 Resp: 16507

Ion Ratio Lower Upper

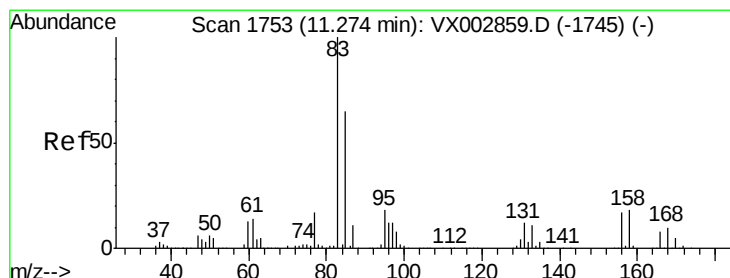
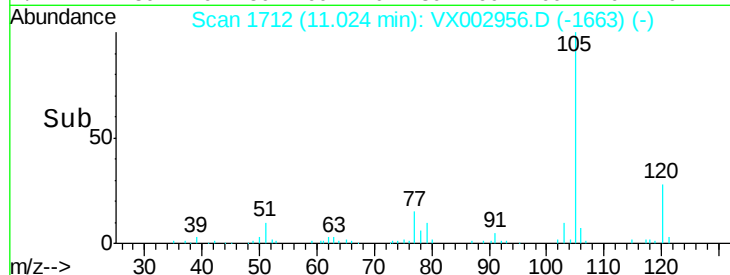
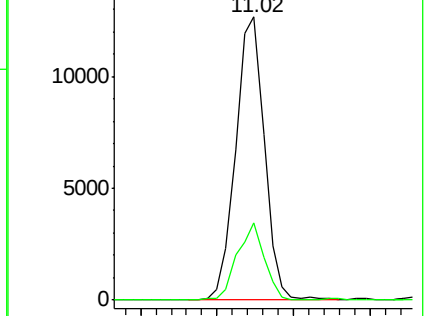
105 100

120 25.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: 0.38 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

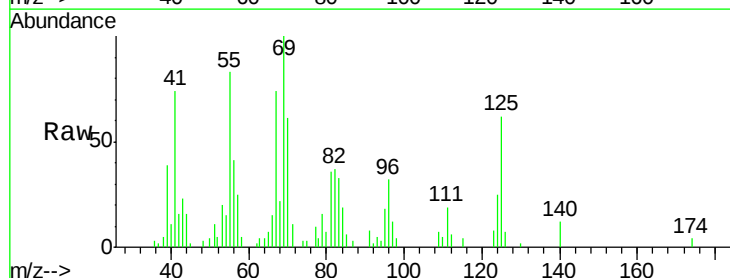
Tgt Ion: 83 Resp: 1497

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

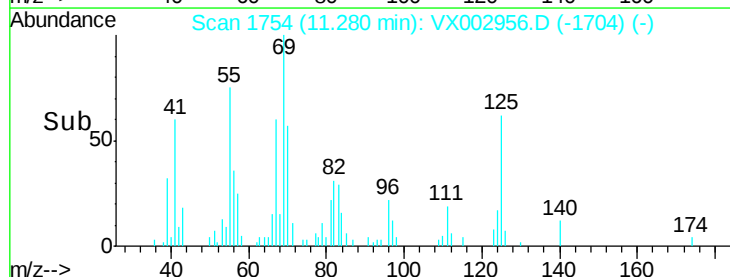
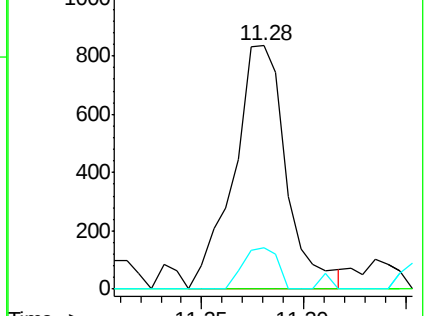
85 11.1 32.4 97.2#

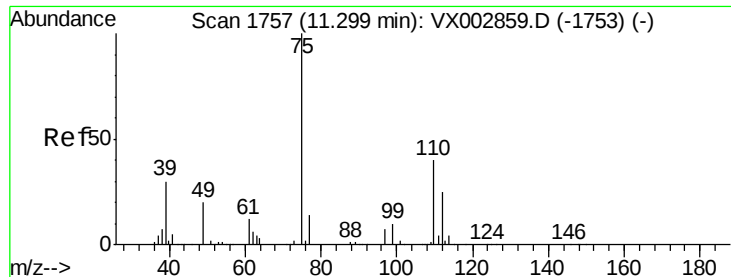


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 27.07 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :

MSVOA_X

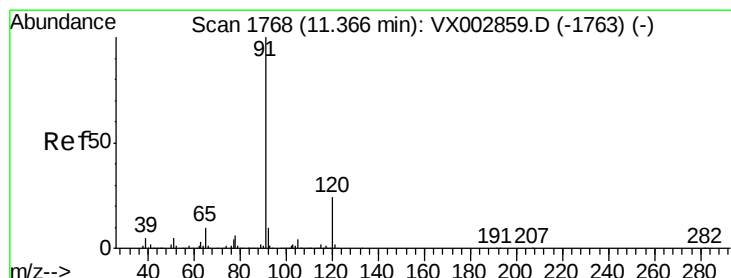
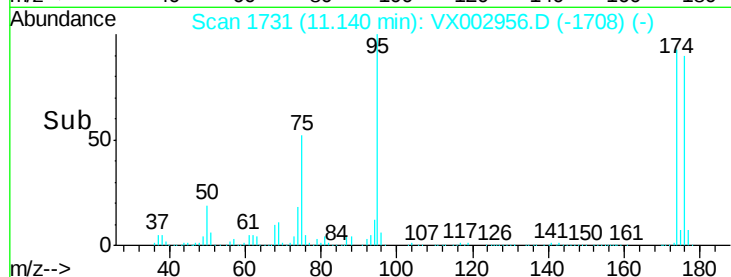
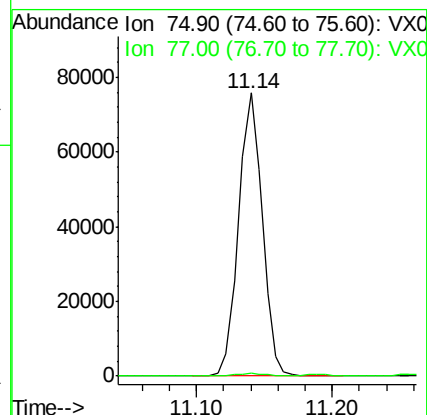
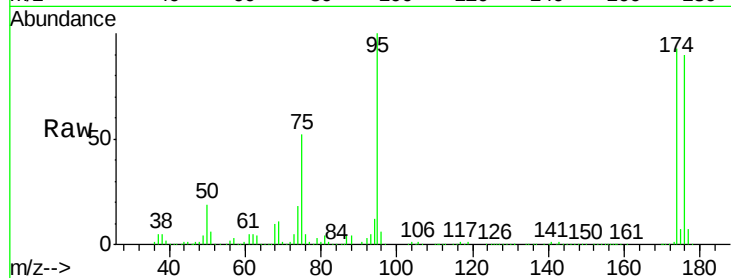
ClientSampleId :

Tot Ion: 75 Resp: 92313

Ion Ratio Lower Upper

75 100

77 1.5 22.8 68.3#



#78

n-propylbenzene

Concen: 0.99 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002956.D

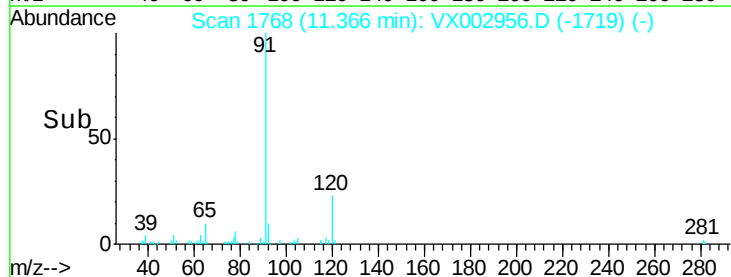
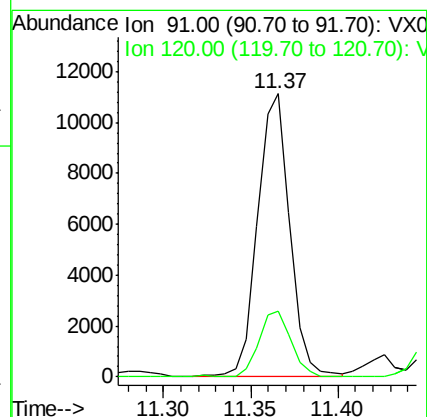
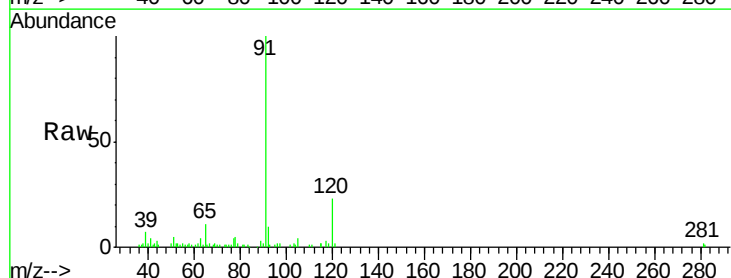
Acq: 28 Jun 2018 00:53

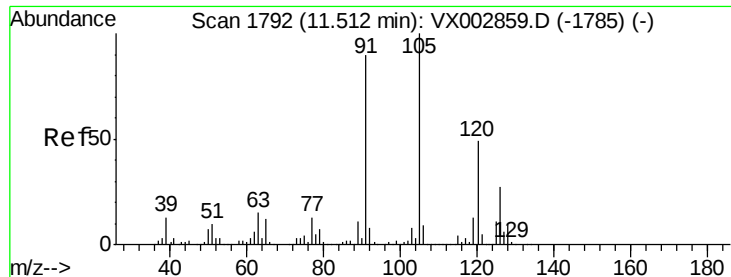
Tgt Ion: 91 Resp: 14255

Ion Ratio Lower Upper

91 100

120 22.9 11.8 35.4





#80

1,3,5-Trimethylbenzene

Concen: 1.46 ug/l

RT: 11.46 min Scan# 1783

Delta R.T. -0.06 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :

MSVOA_X

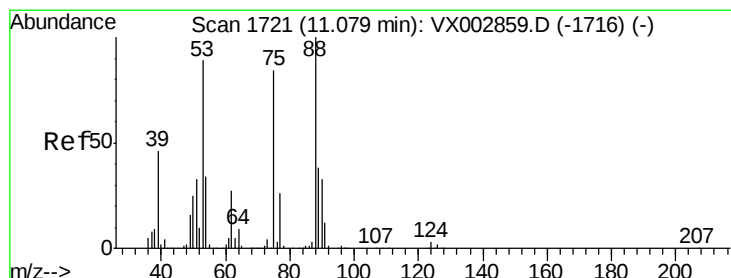
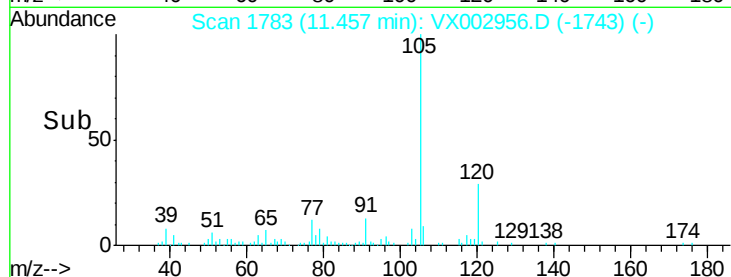
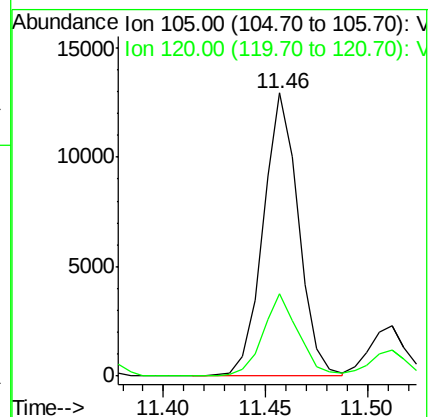
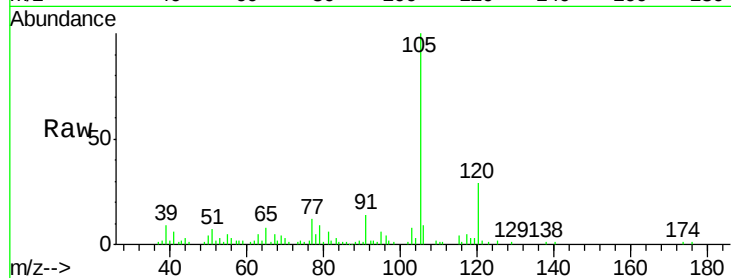
ClientSampleId :

Tot Ion:105 Resp: 15593

Ion Ratio Lower Upper

105 100

120 29.2 24.4 73.4



#81

trans-1,4-Dichloro-2-butene

Concen: 76.63 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

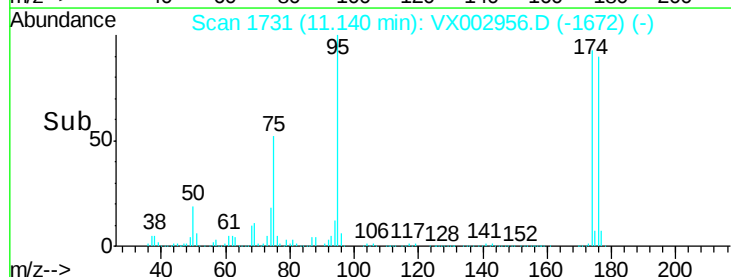
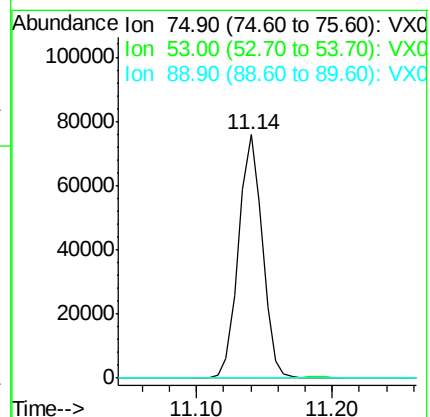
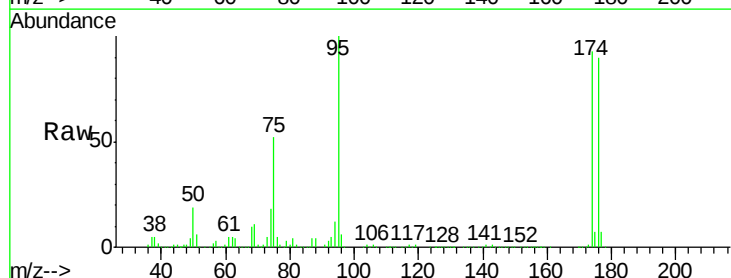
Tgt Ion: 75 Resp: 92313

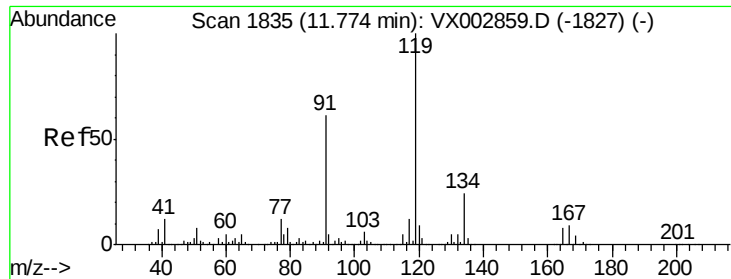
Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#

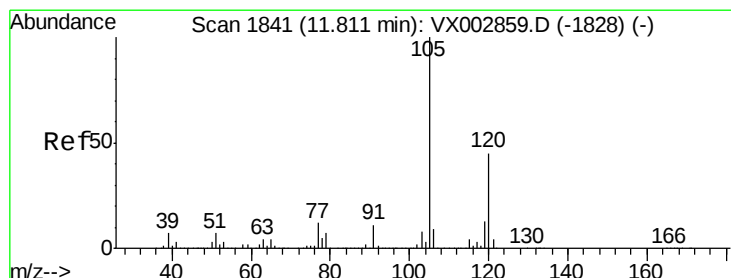
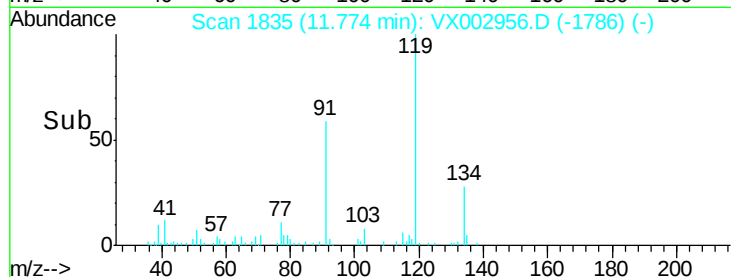
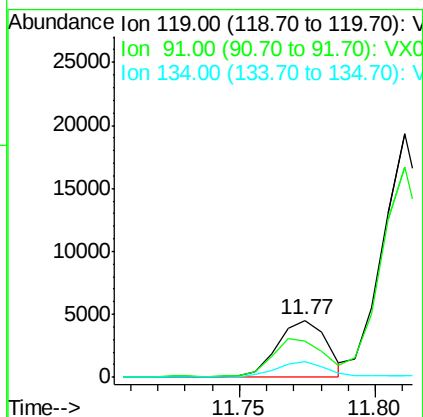
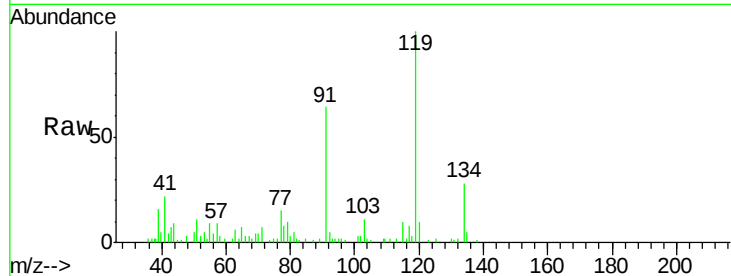




#83
tert-Butylbenzene
Concen: 0.54 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

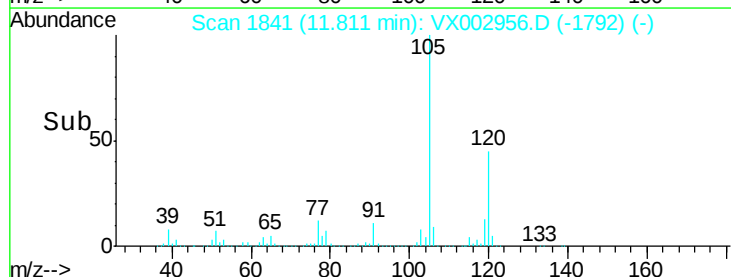
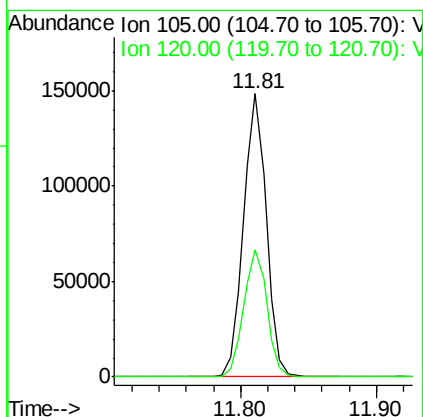
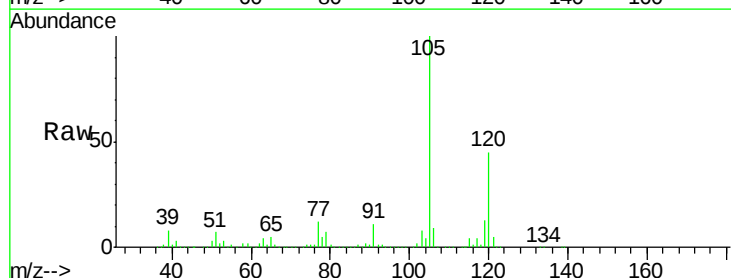
Instrument :
MSVOA_X
ClientSampleId :

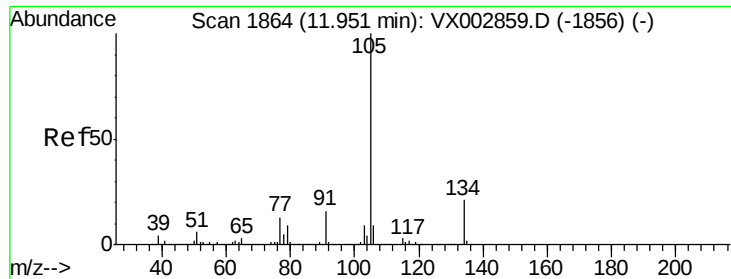
Tot Ion:119 Resp: 5704
Ion Ratio Lower Upper
119 100
91 69.5 30.3 90.9
134 28.5 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 15.73 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

Tgt Ion:105 Resp: 173873
Ion Ratio Lower Upper
105 100
120 46.3 22.3 66.8





#85

sec-Butylbenzene

Concen: 0.61 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :

MSVOA_X

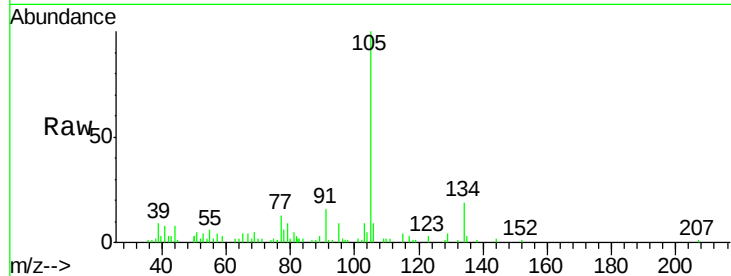
ClientSampleId :

Tot Ion:105 Resp: 7789

Ion Ratio Lower Upper

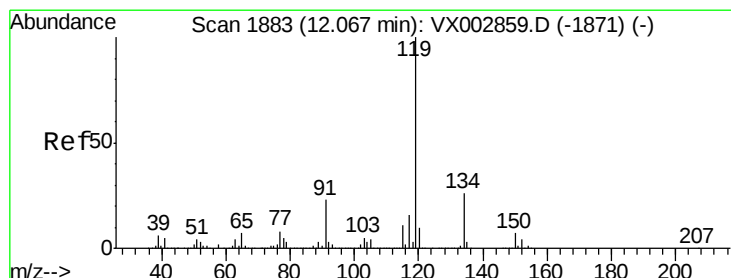
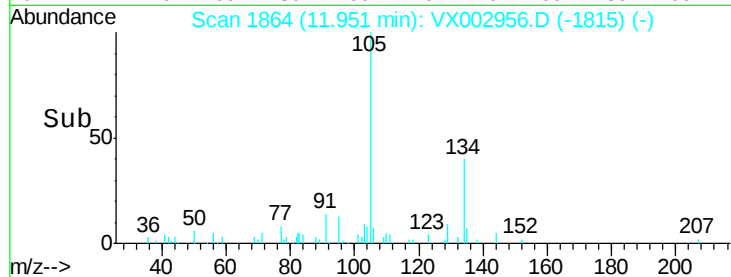
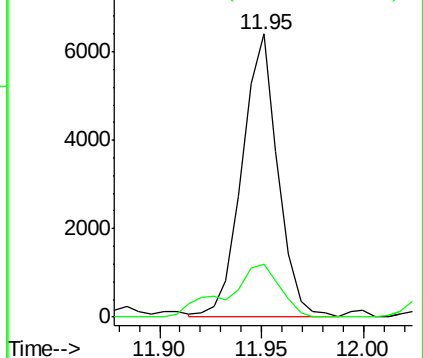
105 100

134 27.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.91 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

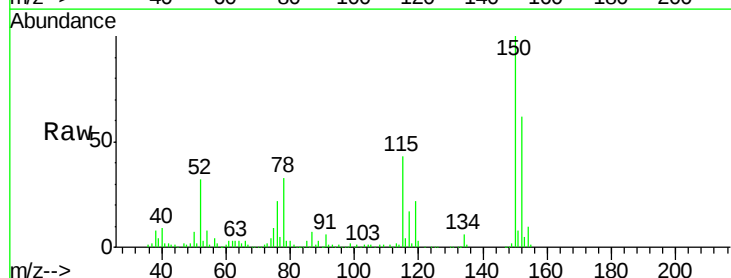
Tgt Ion:119 Resp: 10478

Ion Ratio Lower Upper

119 100

134 28.5 13.4 40.1

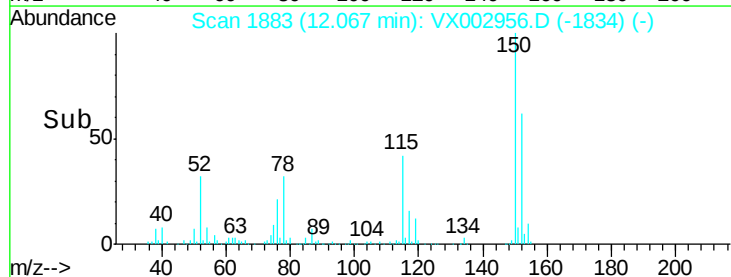
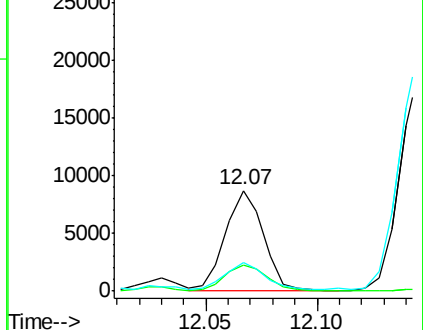
91 26.2 11.9 35.7

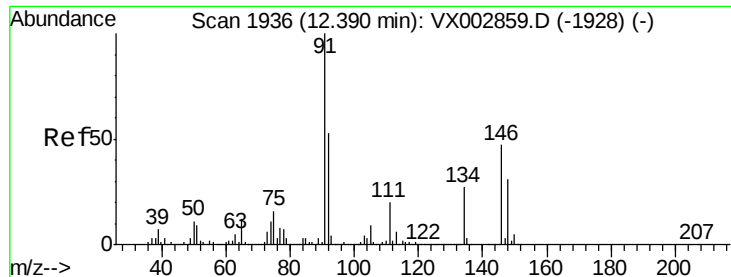


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

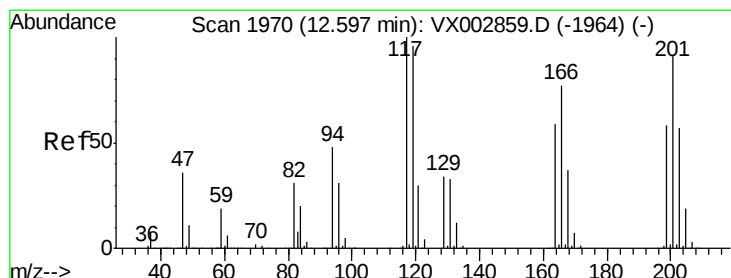
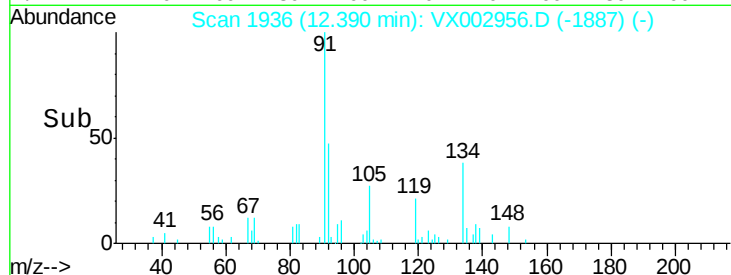
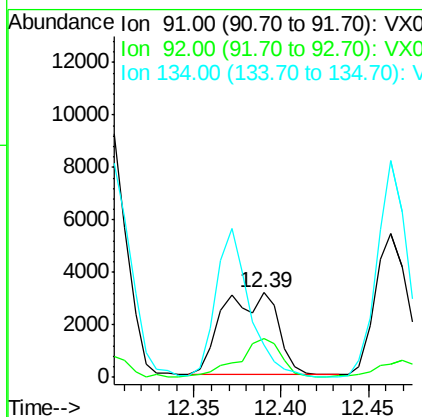
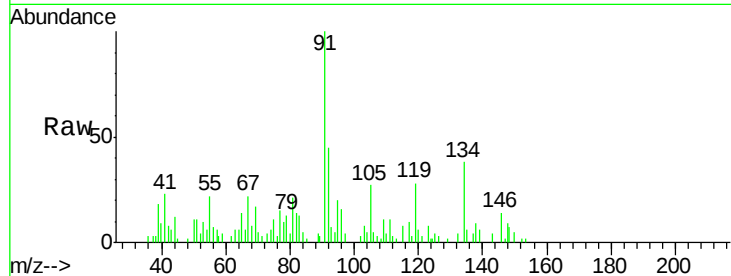




#89
n-Butylbenzene
Concen: 0.69 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

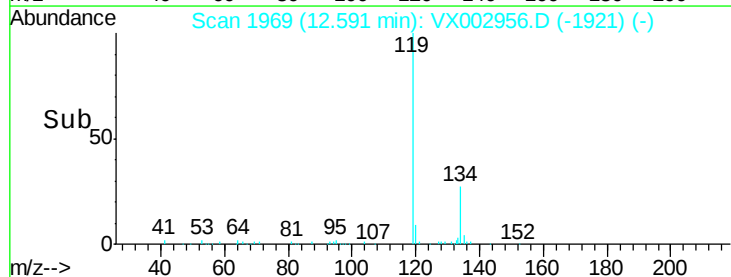
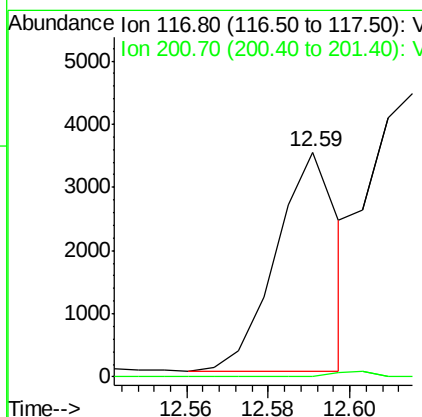
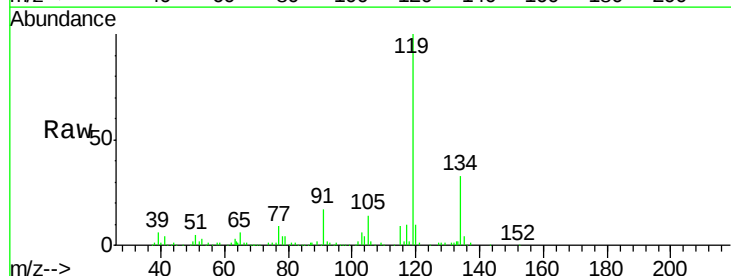
Instrument :
MSVOA_X
ClientSampleId :

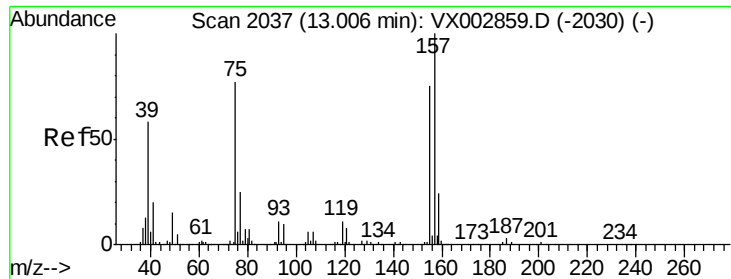
Tot Ion: 91 Resp: 6885
Ion Ratio Lower Upper
91 100
92 36.6 26.0 78.0
134 111.6 13.5 40.5#



#90
Hexachloroethane
Concen: 2.15 ug/l
RT: 12.59 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

Tgt Ion: 117 Resp: 3673
Ion Ratio Lower Upper
117 100
201 0.0 49.0 147.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.41 ug/l

RT: 13.02 min Scan# 2039

Delta R.T. 0.01 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

Instrument :

MSVOA_X

ClientSampleId :

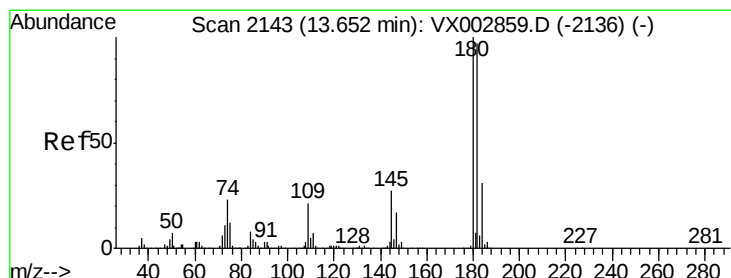
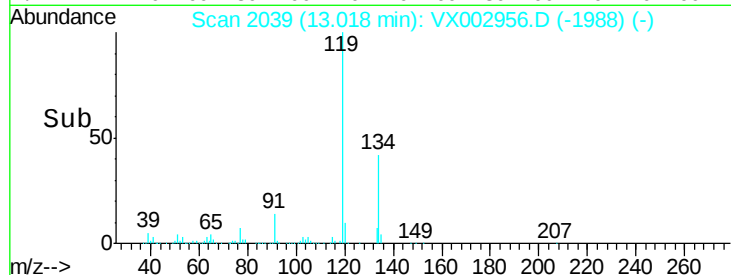
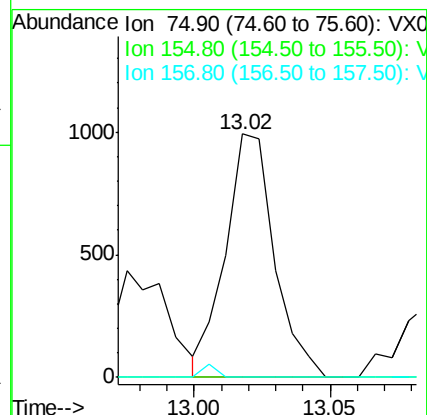
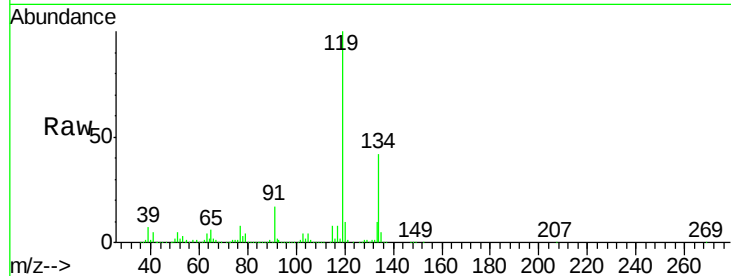
Tot Ion: 75 Resp: 1238

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

157 1.5 60.1 180.3#



#93

1,2,4-Trichlorobenzene

Concen: 0.33 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

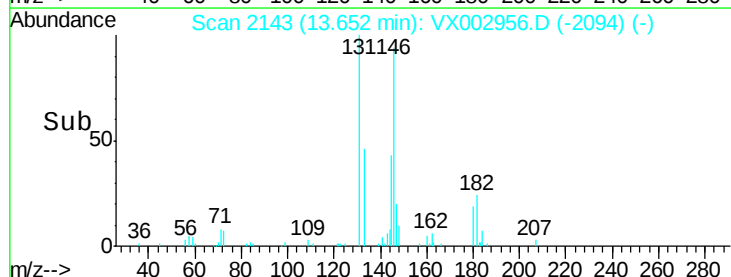
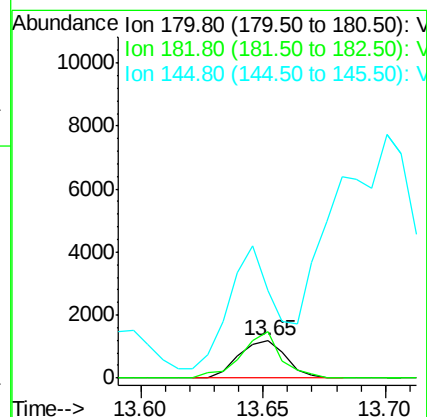
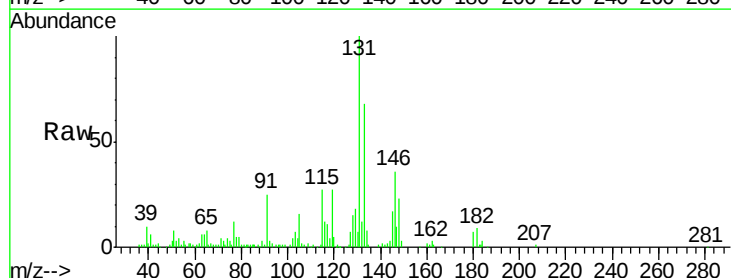
Tgt Ion:180 Resp: 1578

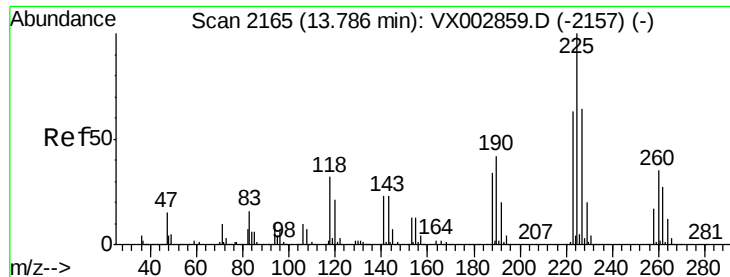
Ion Ratio Lower Upper

180 100

182 106.1 47.7 143.1

145 365.8 14.1 42.4#





#94

Hexachlorobutadiene

Concen: 0.30 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

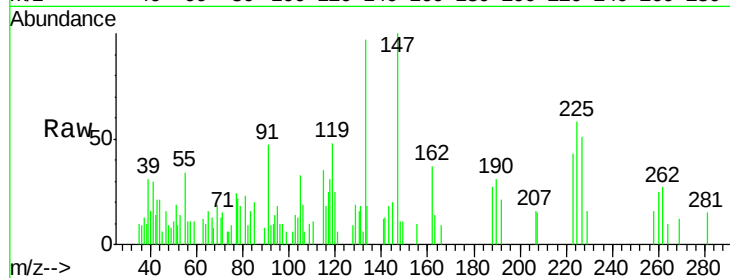
Instrument :

MSVOA_X

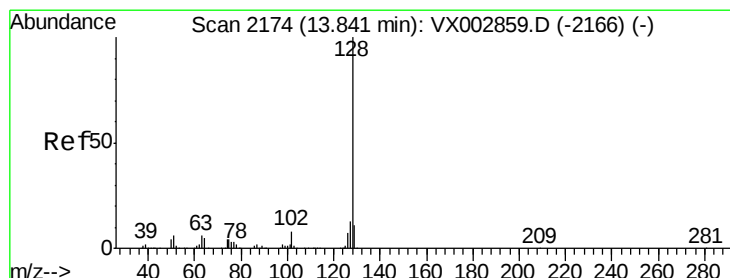
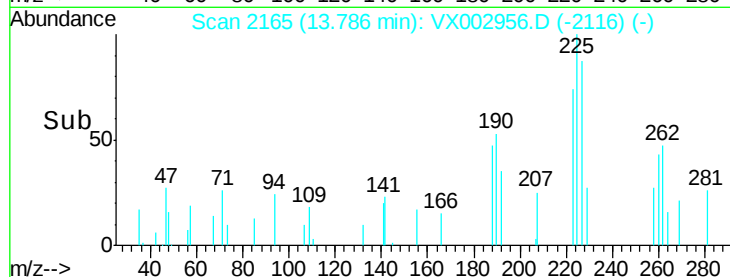
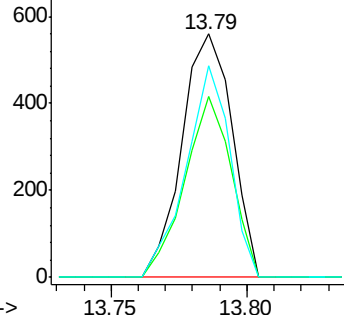
ClientSampleId :

Tot Ion:225 Resp: 716

Ion	Ratio	Lower	Upper
225	100		
223	68.9	31.6	95.0
227	75.7	32.4	97.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 3.78 ug/l

RT: 13.83 min Scan# 2173

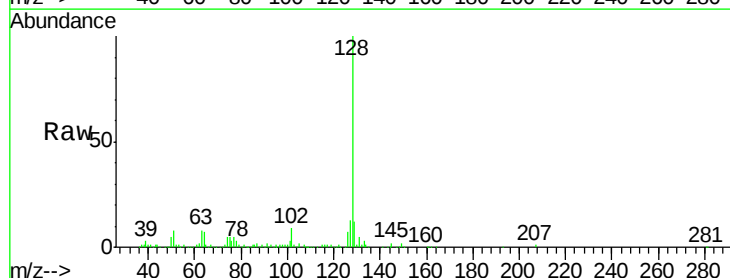
Delta R.T. -0.01 min

Lab File: VX002956.D

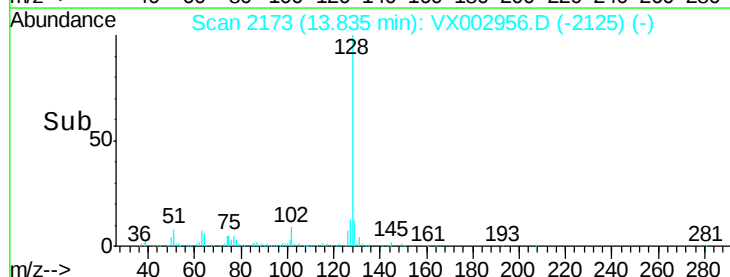
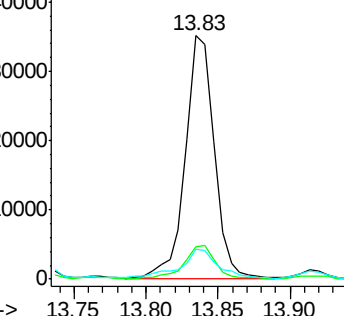
Acq: 28 Jun 2018 00:53

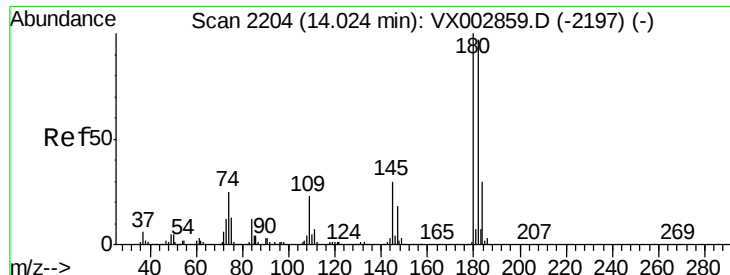
Tgt Ion:128 Resp: 48682

Ion	Ratio	Lower	Upper
128	100		
127	15.3	10.4	15.6
129	15.7	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

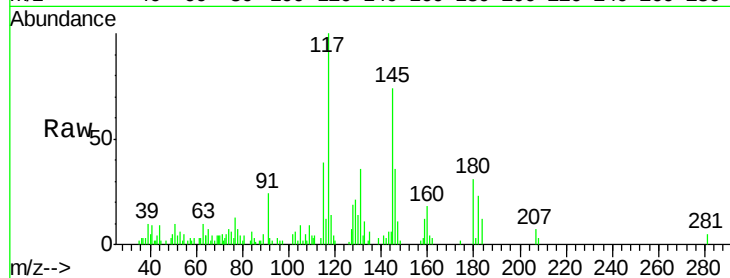




#96
 1,2,3-Trichlorobenzene
 Concen: 0.30 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX002956.D
 Acq: 28 Jun 2018 00:53

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.3	48.0	144.0
145	526.5	14.8	44.3#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

