

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 :
 S83-0020

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

33) 1,2-Dichloroethane-d4	6.07	65	166205	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	5.51	113	133078	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	8.72	98	492126	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.14	95	175721	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	

Target Compounds

						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

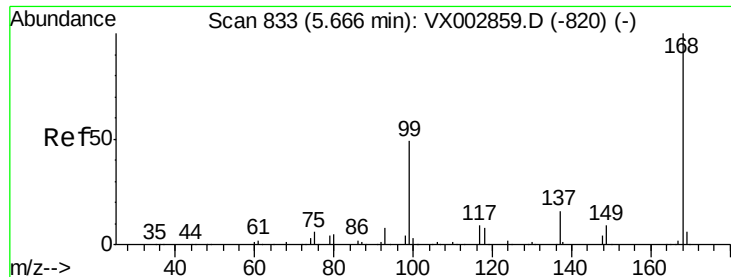
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002956.D
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Quant Time: Jun 28 06:49:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
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 Response via : Initial Calibration

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



#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 :

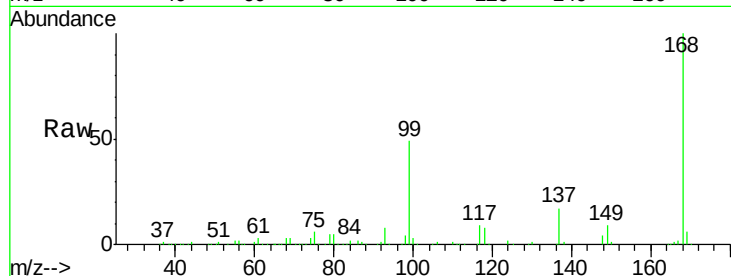
S83-0020

Tot Ion:168 Resp: 249426

Ion Ratio Lower Upper

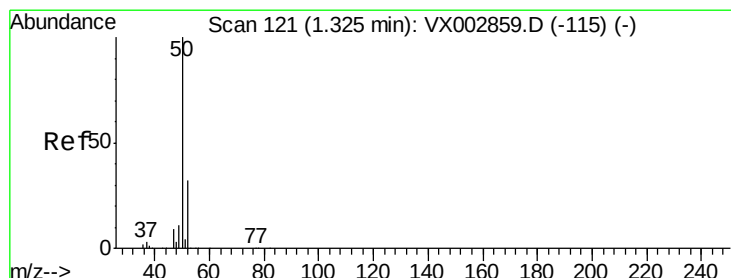
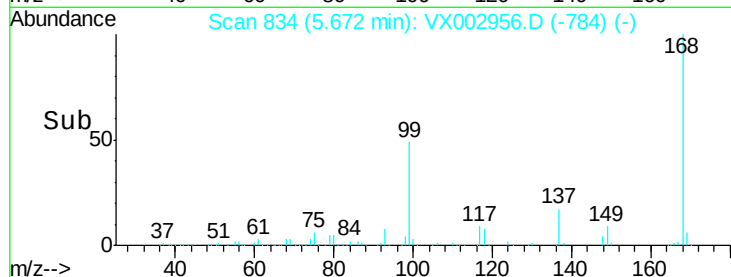
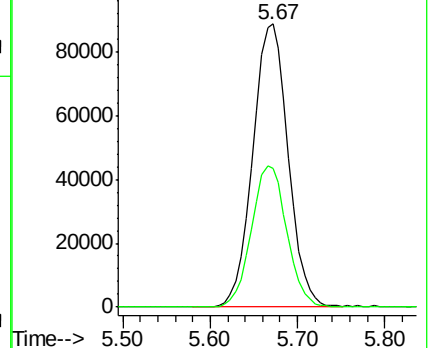
168 100

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

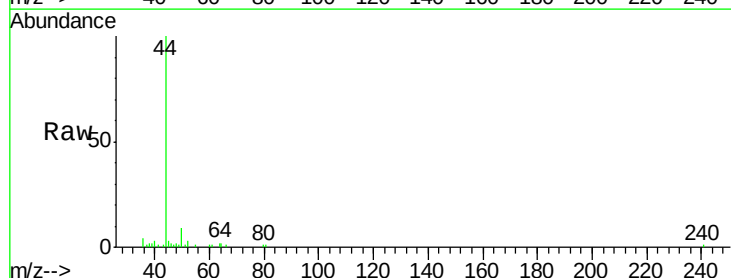
Acq: 28 Jun 2018 00:53

Tgt Ion: 50 Resp: 863

Ion Ratio Lower Upper

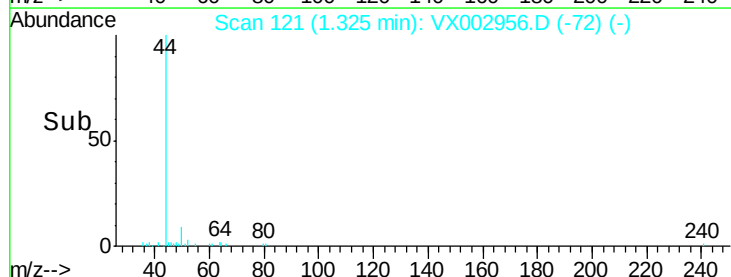
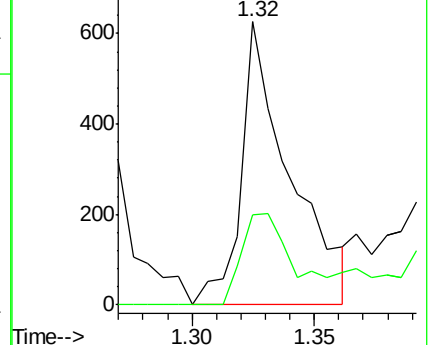
50 100

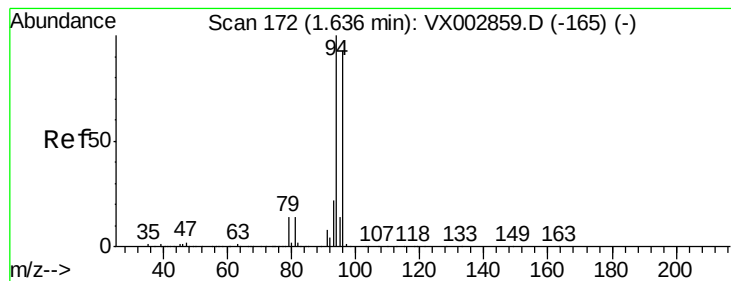
52 31.6 25.7 38.5



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

ClientSampleId :

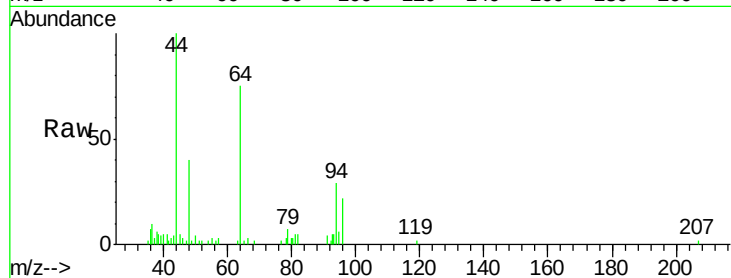
S83-0020

Tot Ion: 94 Resp: 1927

Ion Ratio Lower Upper

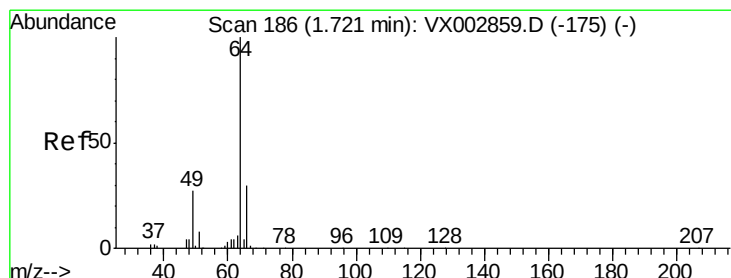
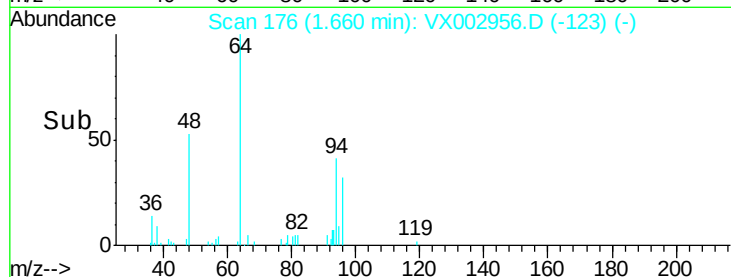
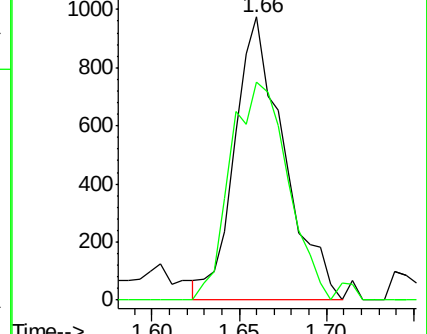
94 100

96 77.0 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: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002956.D

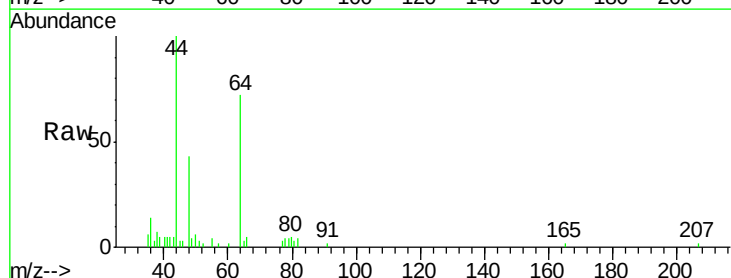
Acq: 28 Jun 2018 00:53

Tgt Ion: 64 Resp: 399

Ion Ratio Lower Upper

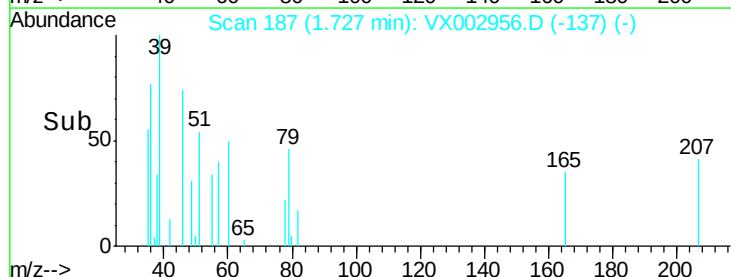
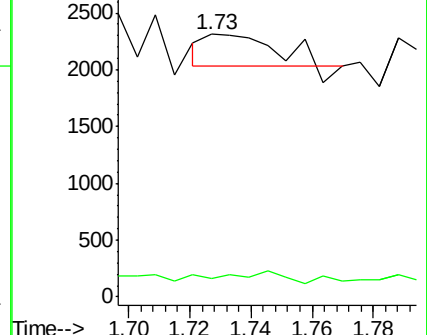
64 100

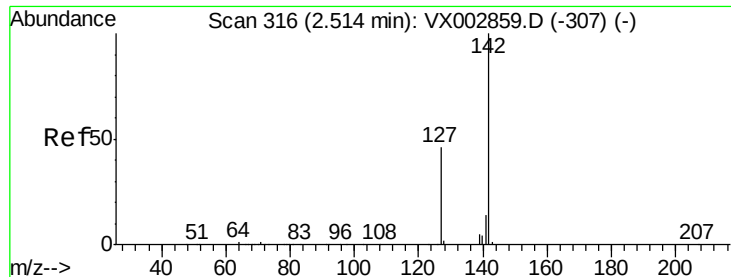
66 8.7 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

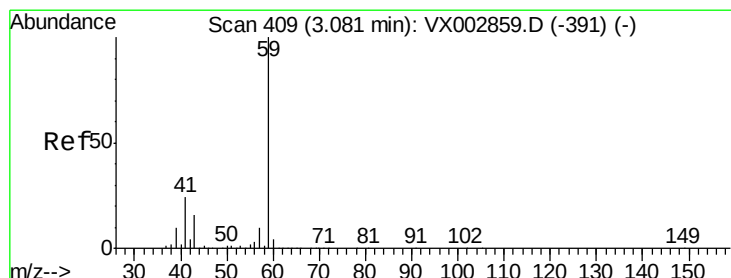
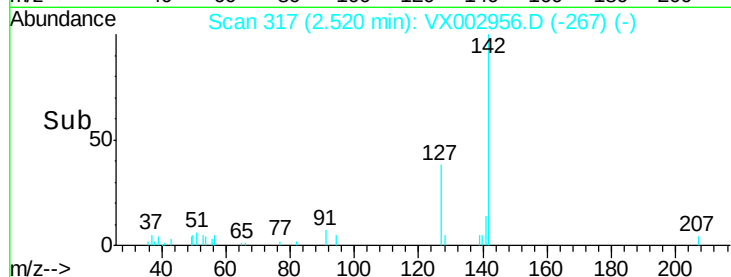
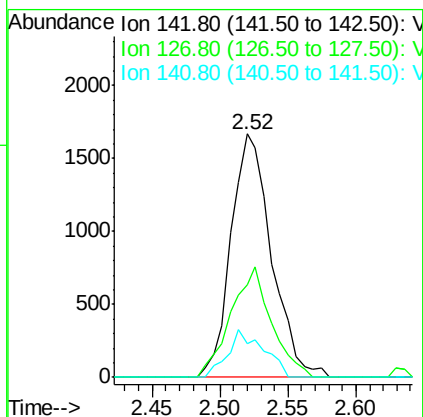
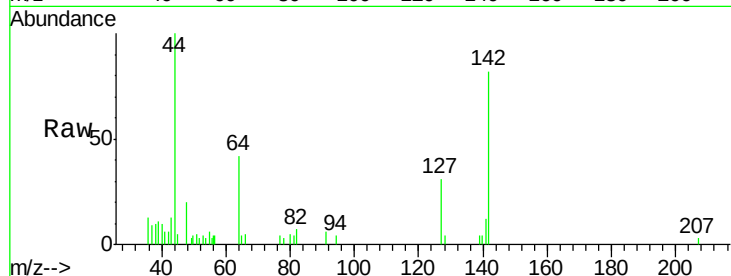




#10
Methvl Iodide
Concen: 7.31 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

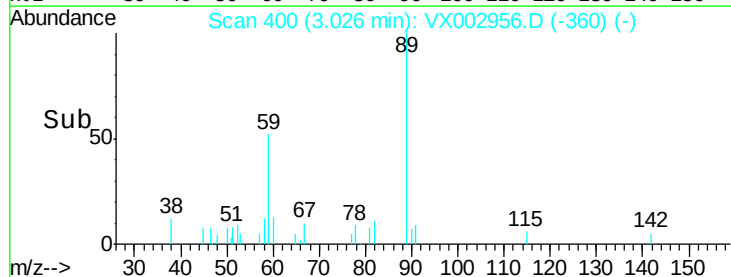
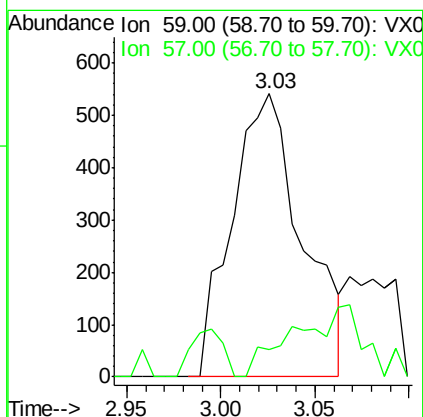
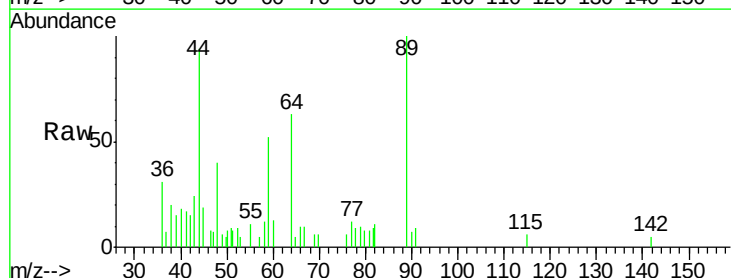
Instrument :
MSVOA_X
ClientSampled :
S83-0020

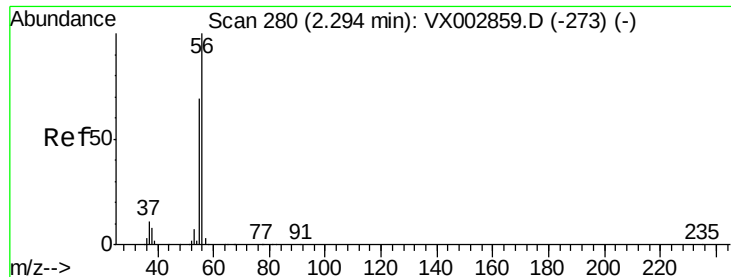
Tot Ion:142 Resp: 3466
Ion Ratio Lower Upper
142 100
127 45.5 36.6 55.0
141 17.2 11.3 16.9#



#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 :

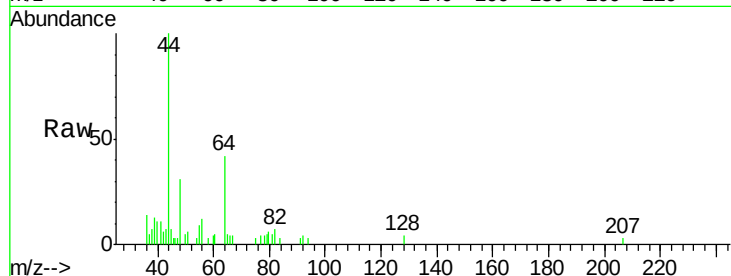
S83-0020

Tot Ion: 56 Resp: 316

Ion Ratio Lower Upper

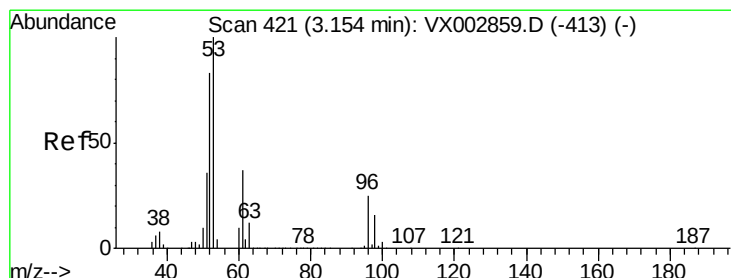
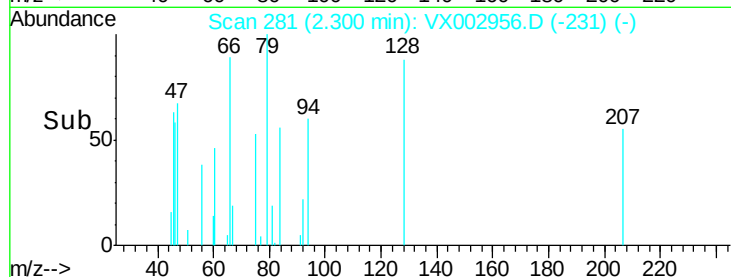
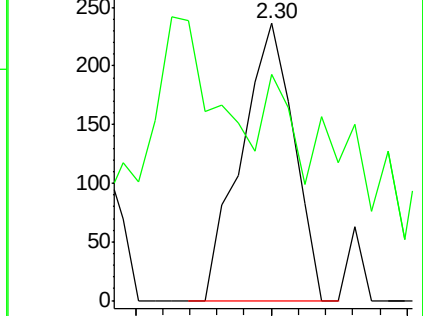
56 100

55 0.0 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: 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

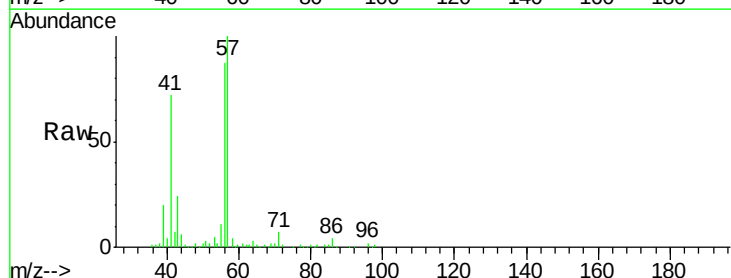
Tgt Ion: 53 Resp: 3113

Ion Ratio Lower Upper

53 100

52 35.3 66.7 100.1#

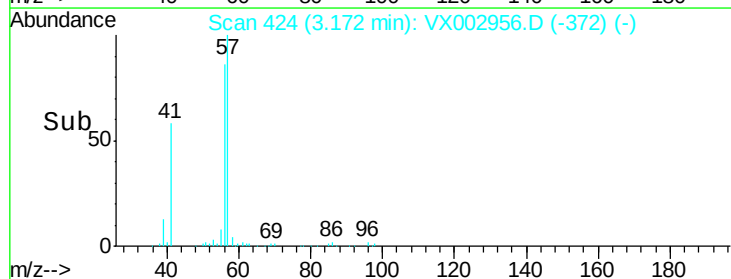
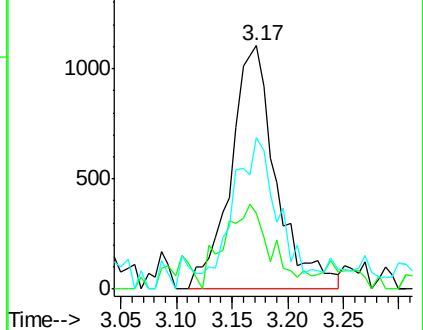
51 48.2 29.9 44.9#

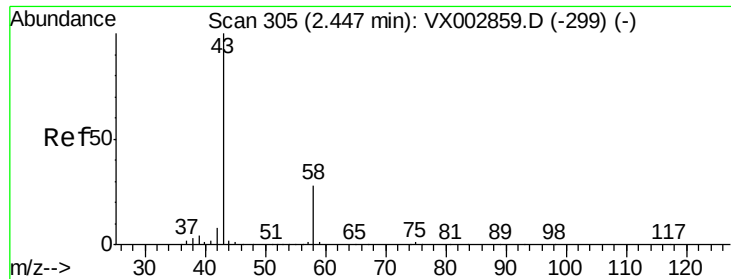


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 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

ClientSampleId :

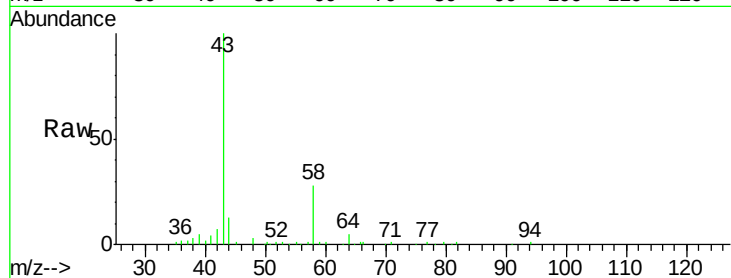
S83-0020

Tot Ion: 43 Resp: 27993

Ion Ratio Lower Upper

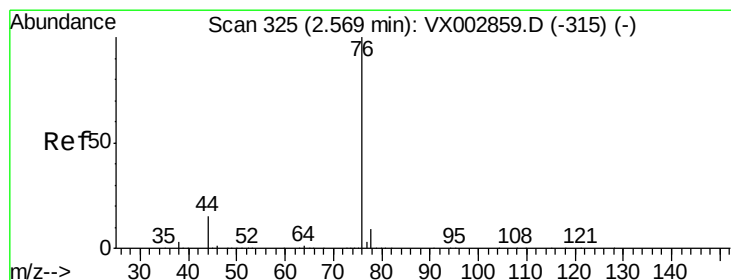
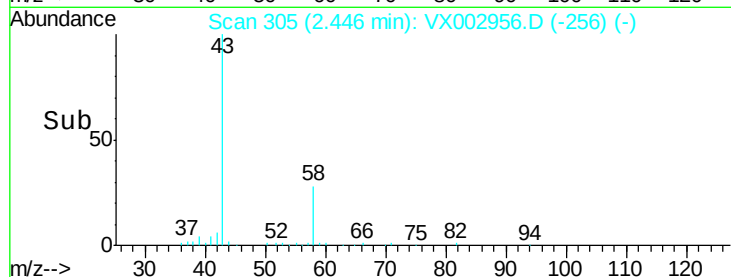
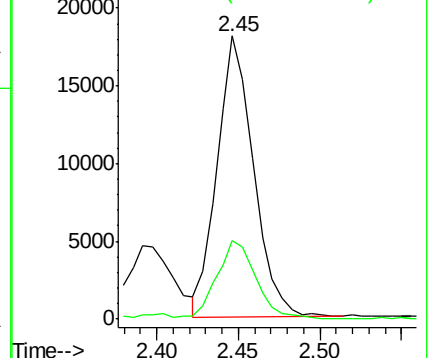
43 100

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

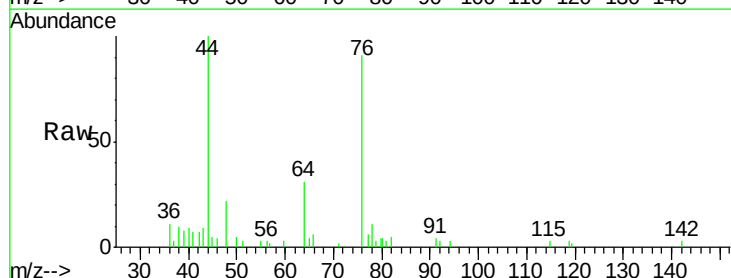
Acq: 28 Jun 2018 00:53

Tgt Ion: 76 Resp: 4697

Ion Ratio Lower Upper

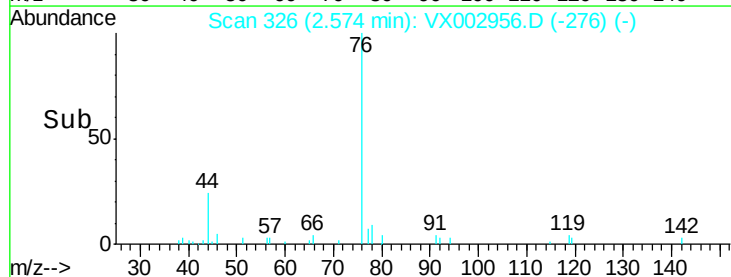
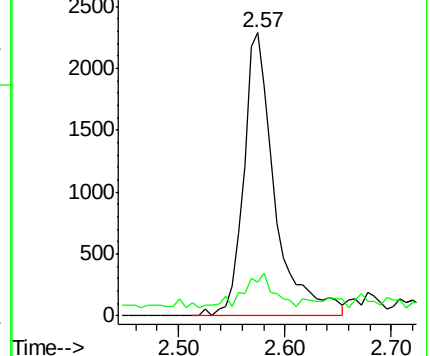
76 100

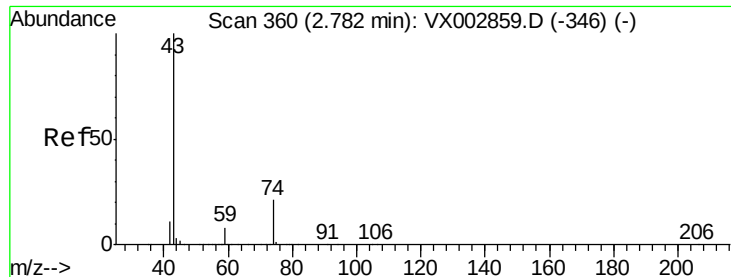
78 7.2 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

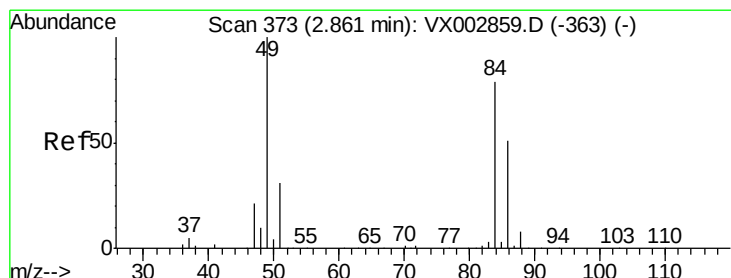
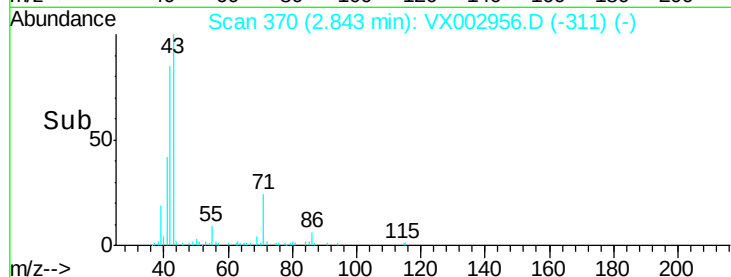
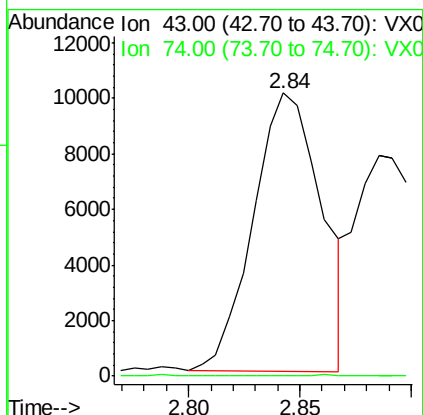
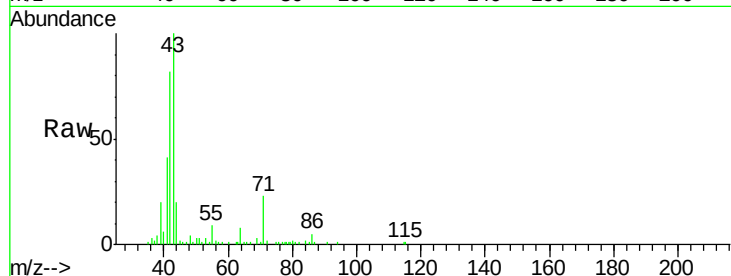




#18
Methyl Acetate
Concen: 5.37 ug/l
RT: 2.84 min Scan# 370
Delta R.T. 0.06 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

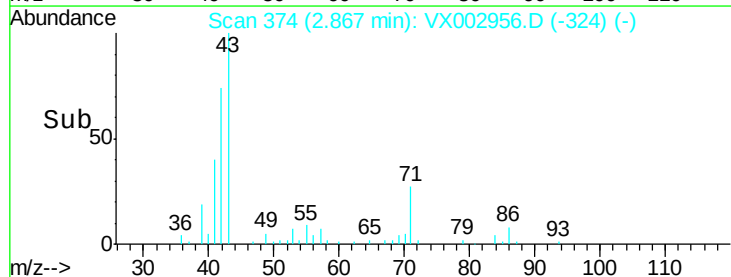
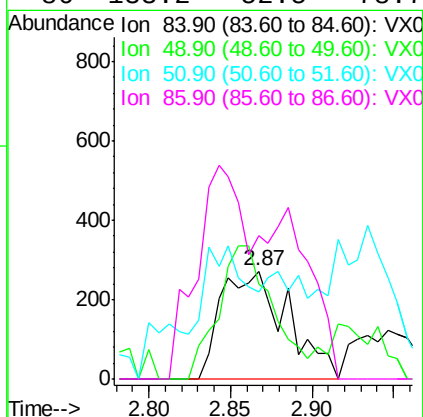
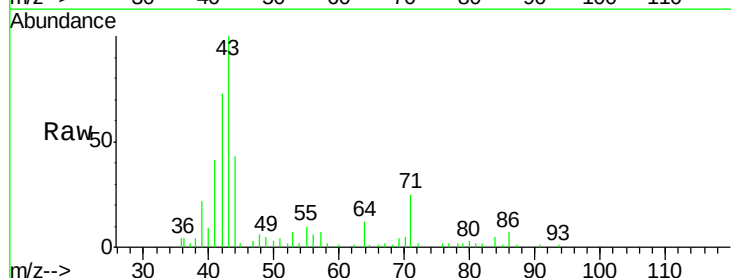
Instrument :
MSVOA_X
ClientSampled :
S83-0020

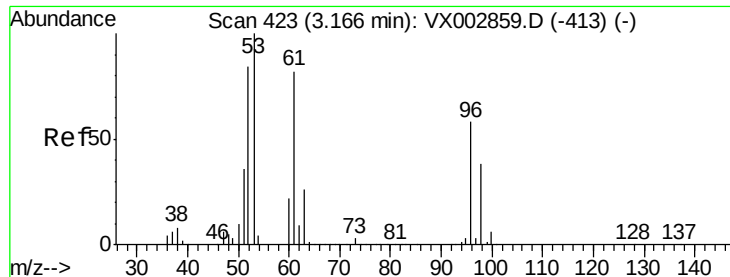
Tot Ion: 43 Resp: 21434
Ion Ratio Lower Upper
43 100
74 0.1 16.7 25.1#



#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 :

S83-0020

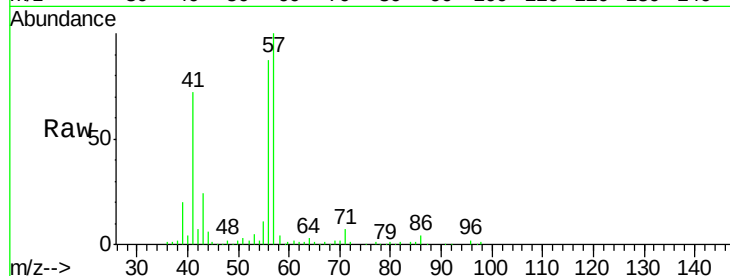
Tot Ion: 96 Resp: 642

Ion Ratio Lower Upper

96 100

61 100.5 117.0 175.4#

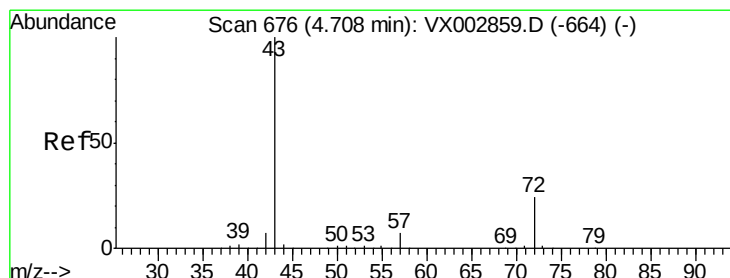
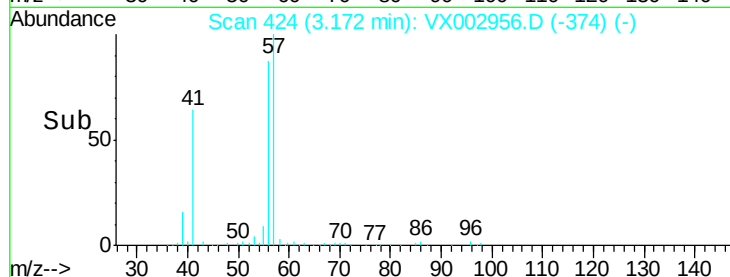
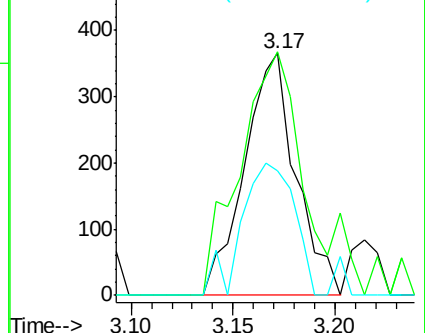
98 51.4 52.4 78.6#



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

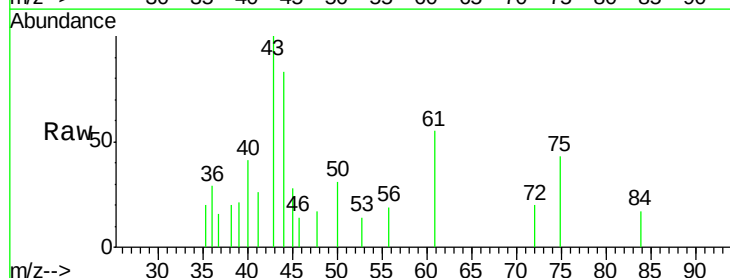
Acq: 28 Jun 2018 00:53

Tgt Ion: 43 Resp: 737

Ion Ratio Lower Upper

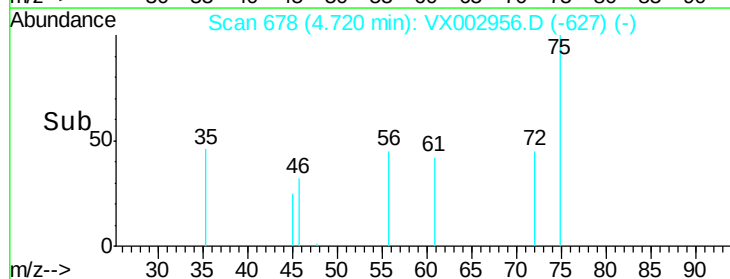
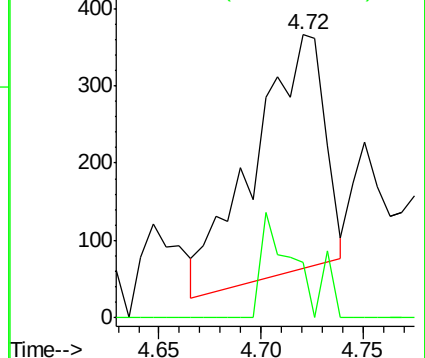
43 100

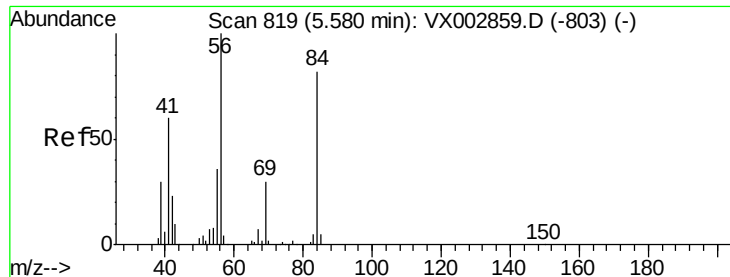
72 24.9 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

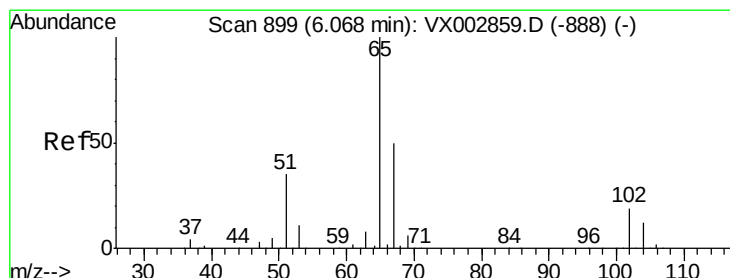
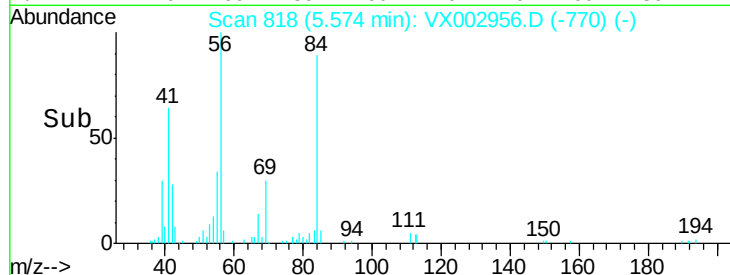
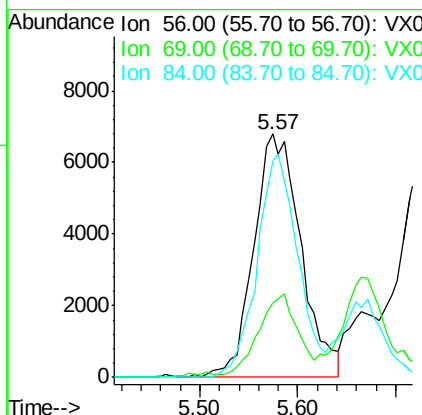
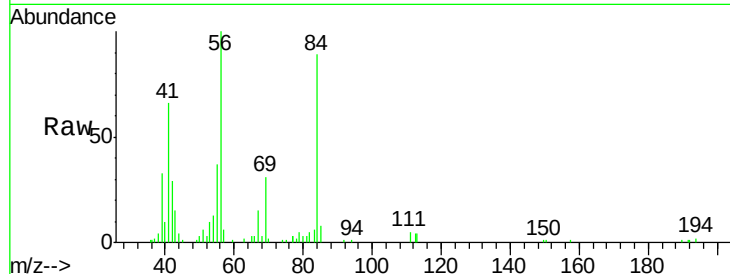




#31
Cyclohexane
Concen: 5.27 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

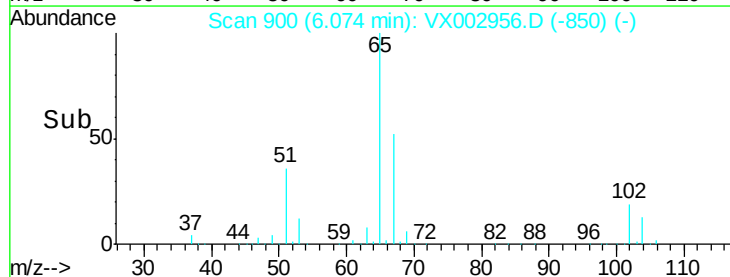
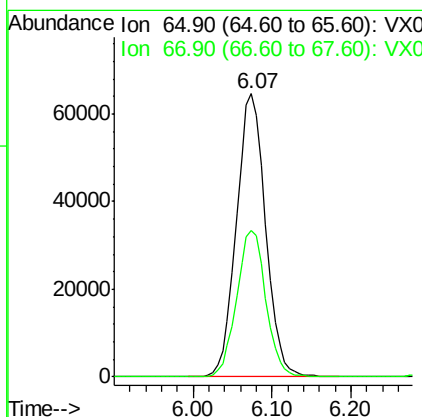
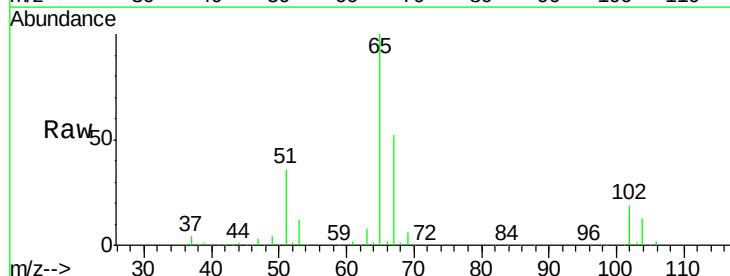
Instrument :
MSVOA_X
ClientSampleId :
S83-0020

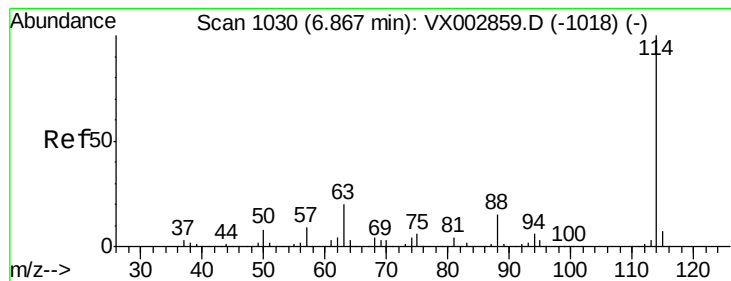
Tot Ion: 56 Resp: 22791
Ion Ratio Lower Upper
56 100
69 29.2 23.7 35.5
84 89.2 64.1 96.1



#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





#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 :

S83-0020

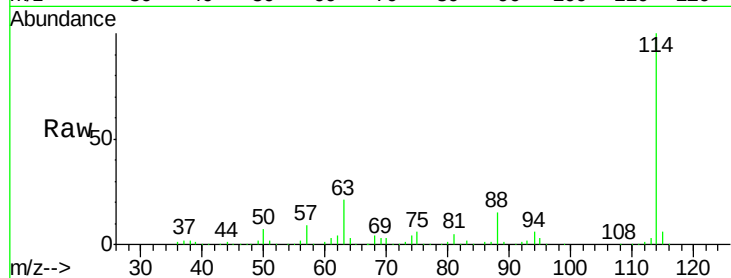
Tot Ion:114 Resp: 346494

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

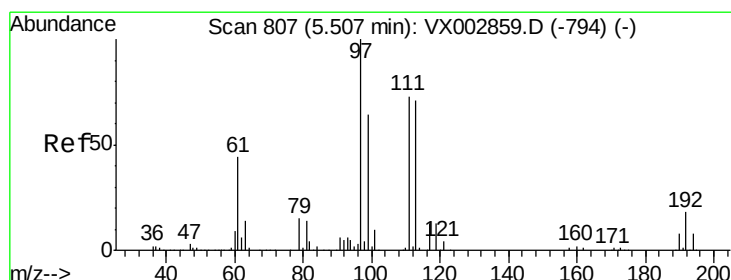
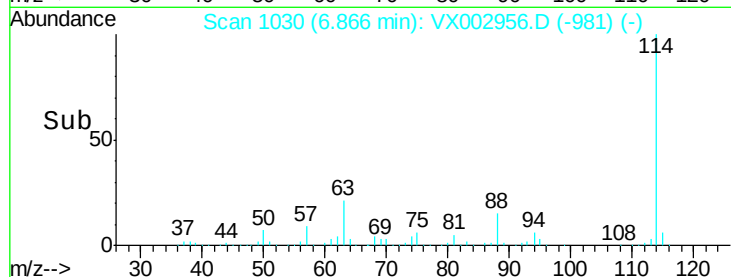
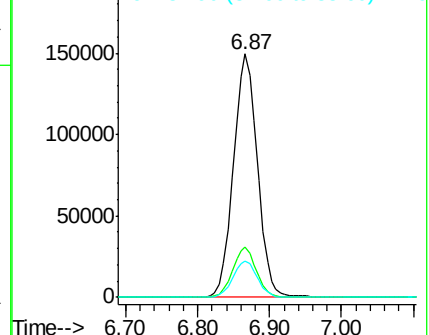
88 15.0 0.0 30.0



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

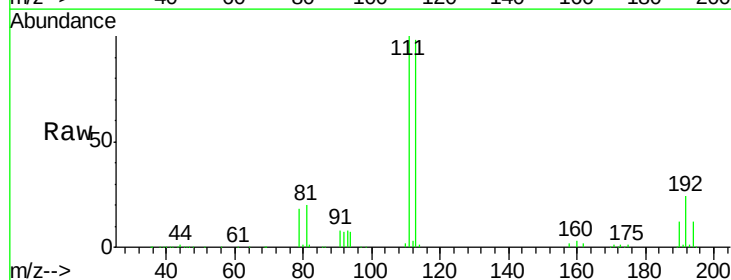
Tgt Ion:113 Resp: 133078

Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.0

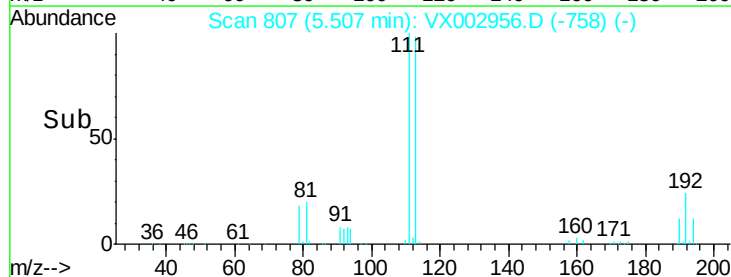
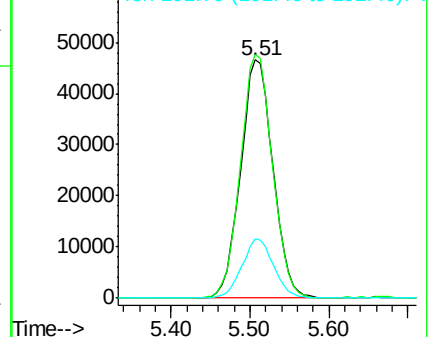
192 24.3 19.1 28.7

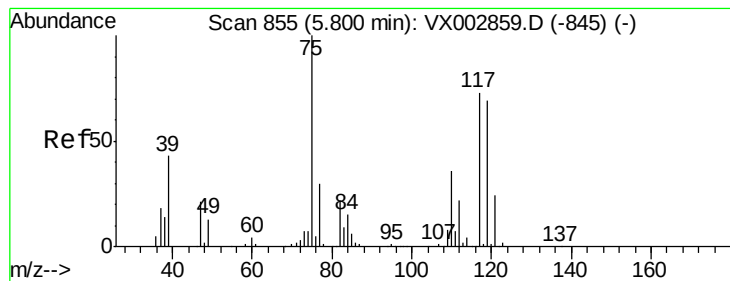


Abundance Ion 112.80 (112.50 to 113.50): V

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 :

S83-0020

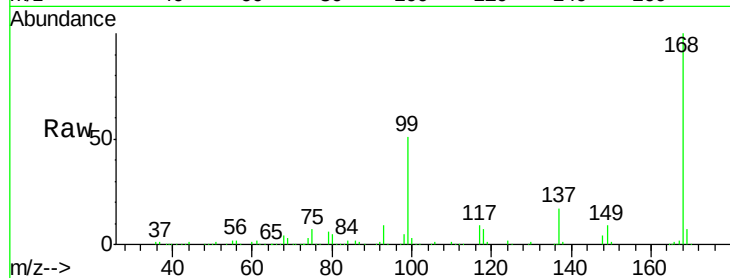
Tot Ion: 75 Resp: 16829

Ion Ratio Lower Upper

75 100

110 11.2 18.1 54.4#

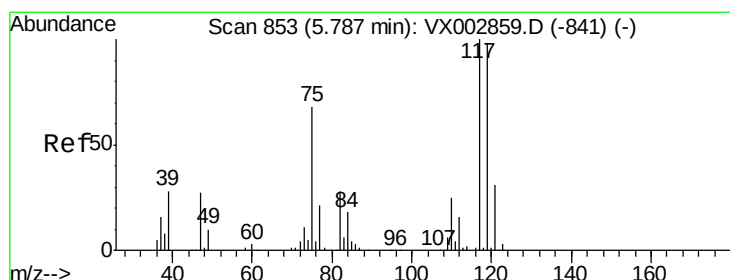
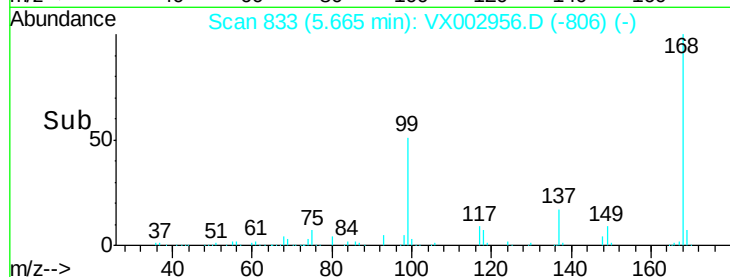
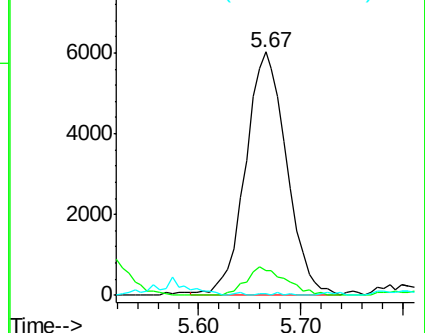
77 0.2 24.3 36.5#



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: 5.48 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002956.D

Acq: 28 Jun 2018 00:53

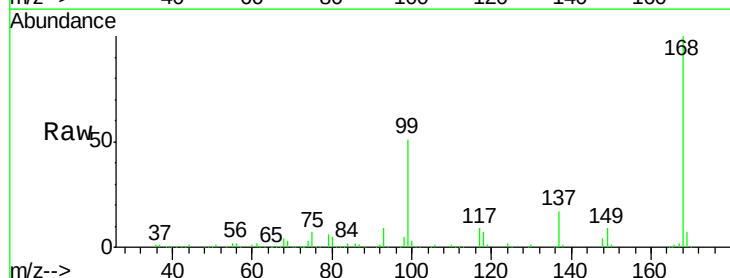
Tgt Ion: 117 Resp: 22871

Ion Ratio Lower Upper

117 100

119 6.1 77.4 116.0#

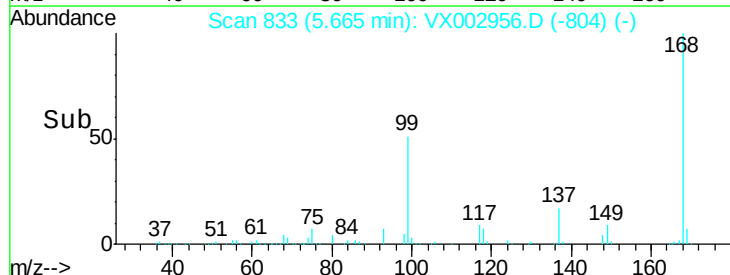
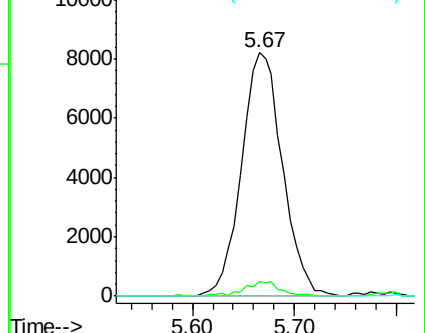
121 0.0 24.4 36.6#

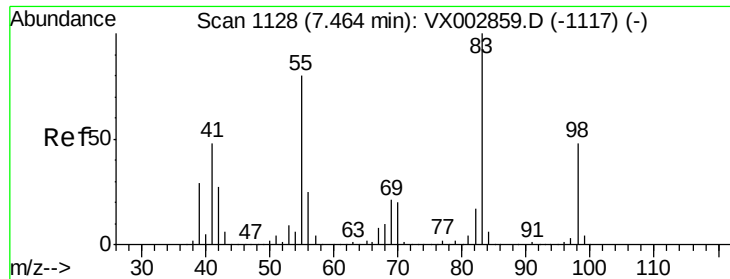


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

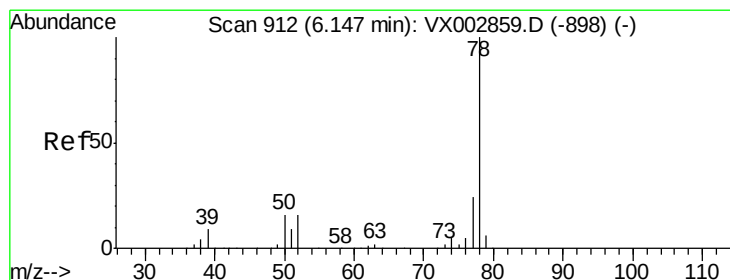
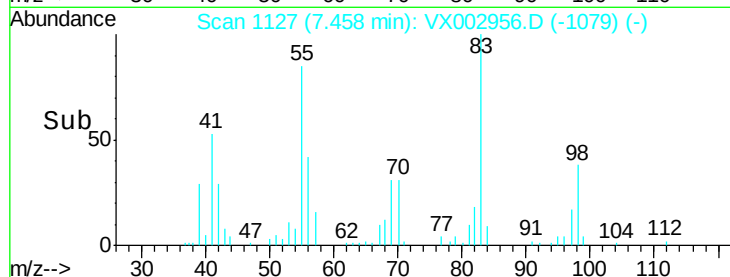
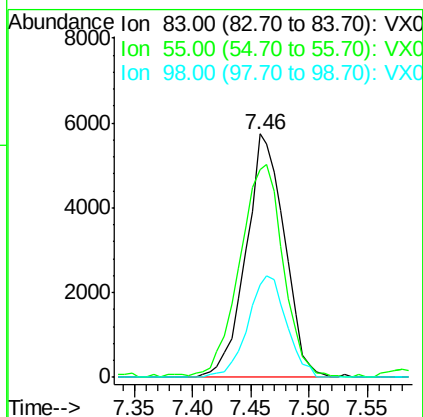
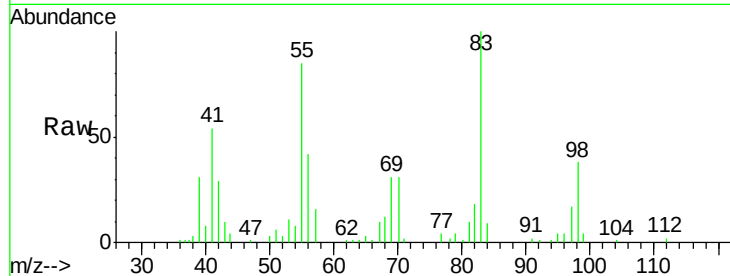




#39
Methvlcvclohexane
Concen: 2.98 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

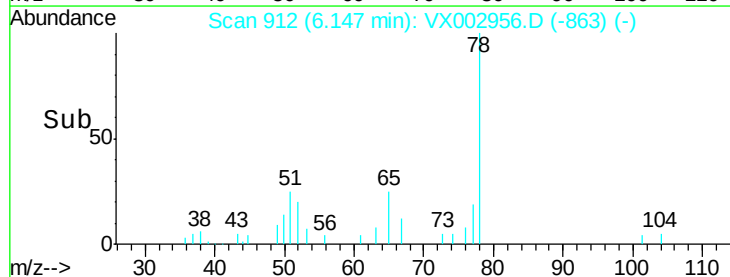
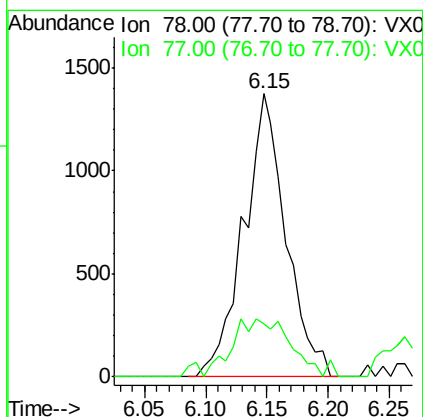
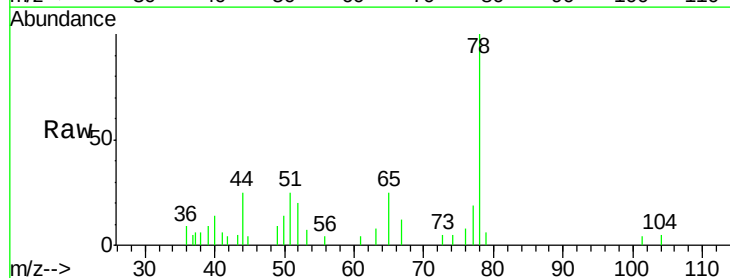
Instrument :
MSVOA_X
ClientSampleId :
S83-0020

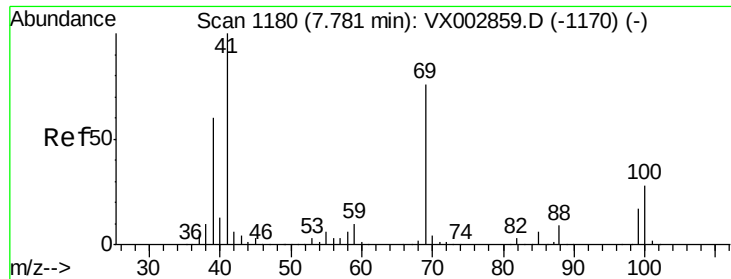
Tot Ion: 83 Resp: 13181
Ion Ratio Lower Upper
83 100
55 84.6 65.4 98.0
98 37.9 37.4 56.0



#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

Methyl 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 :

S83-0020

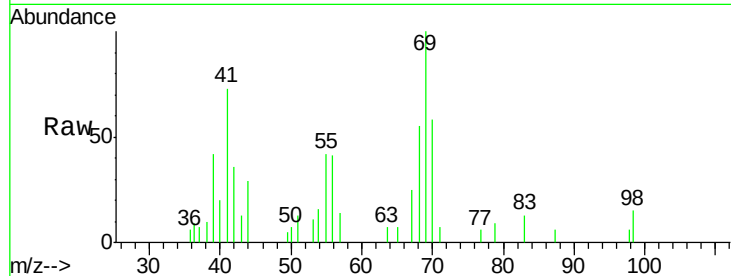
Tot Ion: 41 Resp: 1182

Ion Ratio Lower Upper

41 100

69 152.0 59.1 88.7#

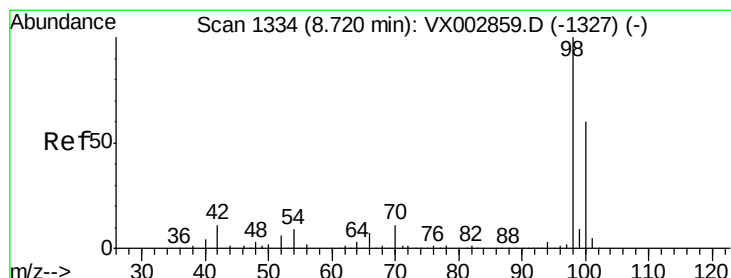
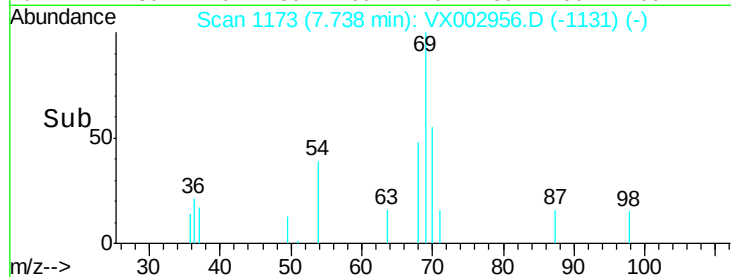
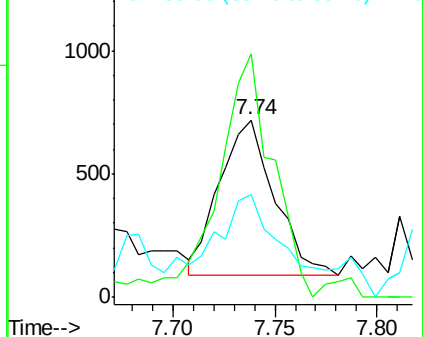
39 66.9 48.9 73.3



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

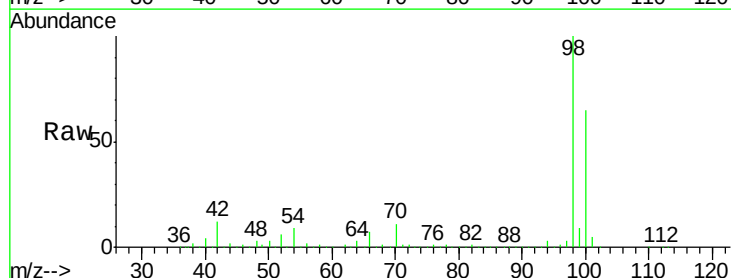
Acq: 28 Jun 2018 00:53

Tgt Ion: 98 Resp: 492126

Ion Ratio Lower Upper

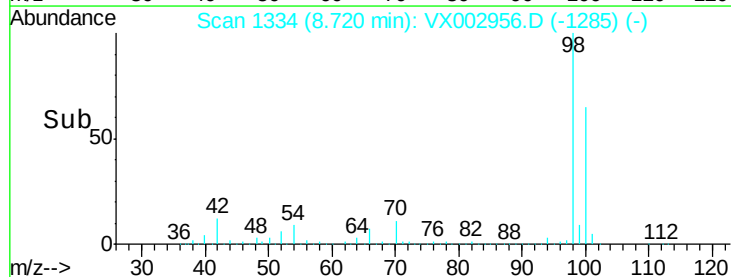
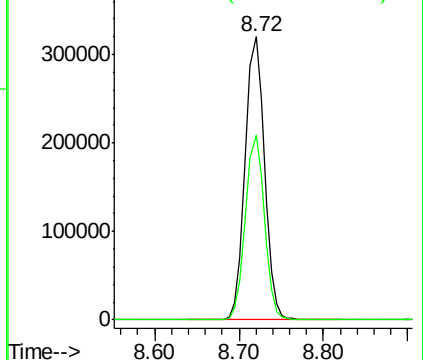
98 100

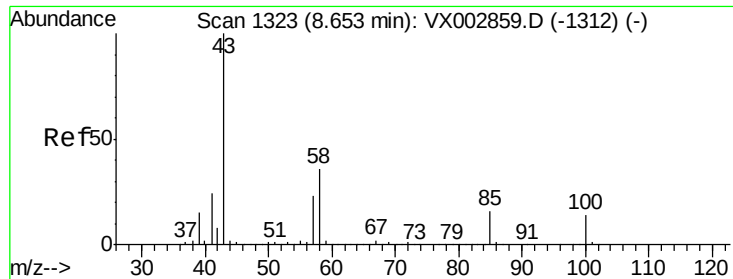
100 63.9 50.9 76.3



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 :

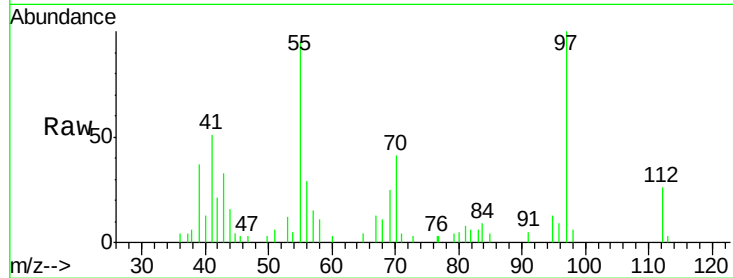
S83-0020

Tot Ion: 43 Resp: 1144

Ion Ratio Lower Upper

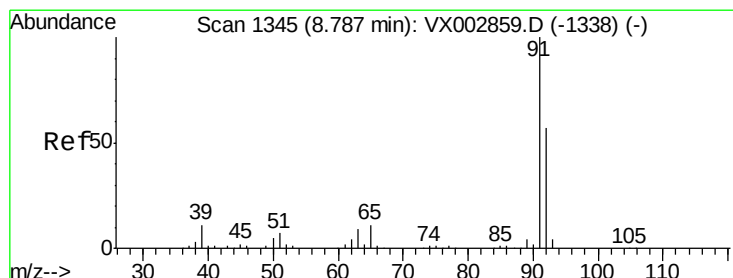
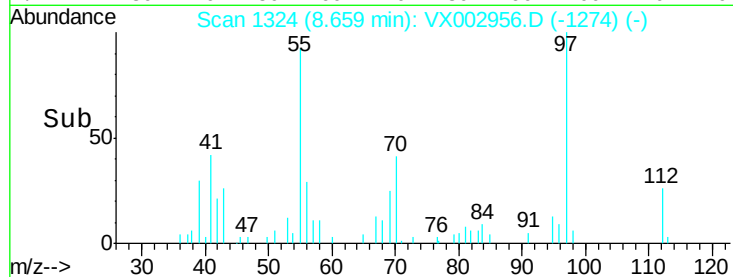
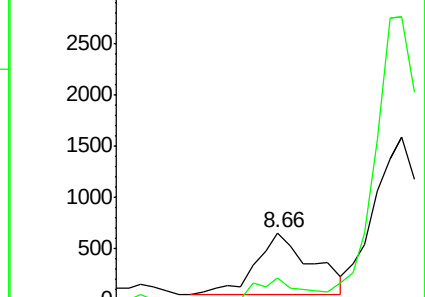
43 100

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

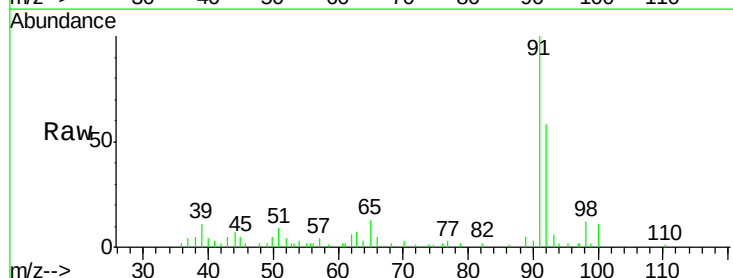
Acq: 28 Jun 2018 00:53

Tgt Ion: 92 Resp: 4049

Ion Ratio Lower Upper

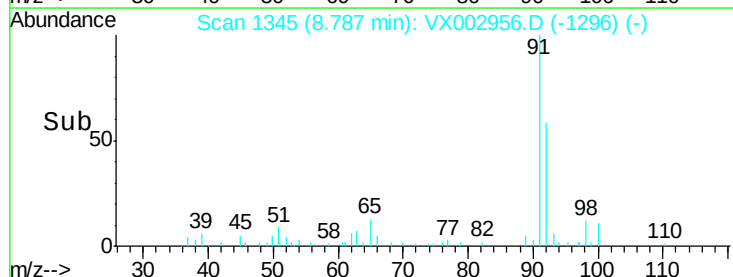
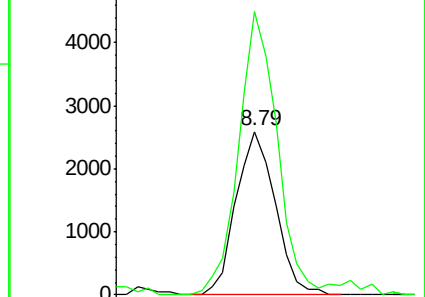
92 100

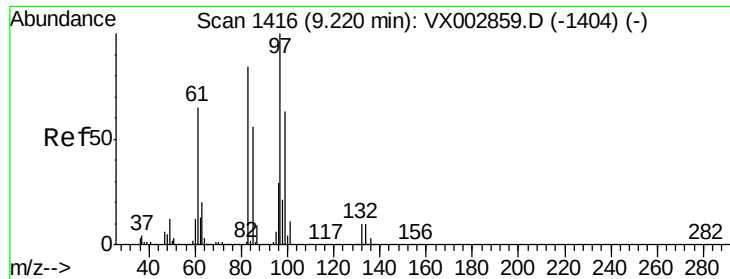
91 169.3 140.4 210.6



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 :

S83-0020

Tot Ion: 97 Resp: 6971

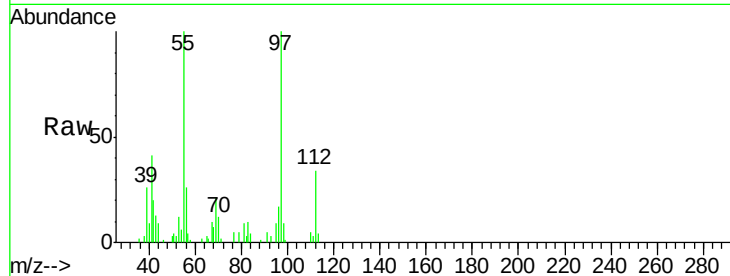
Ion Ratio Lower Upper

97 100

83 10.1 70.2 105.2#

85 0.0 44.9 67.3#

99 1.3 49.8 74.8#

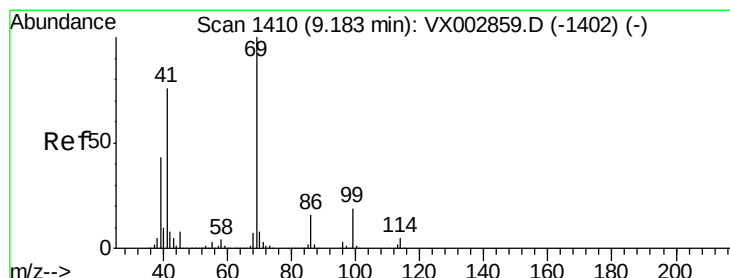
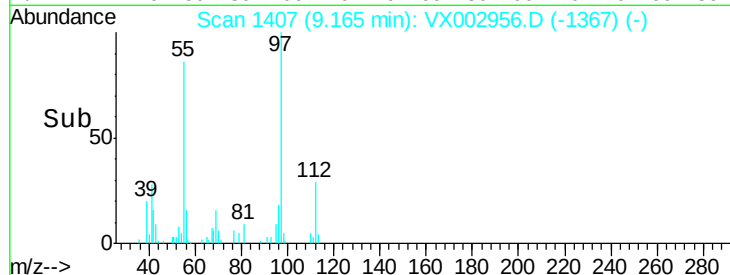
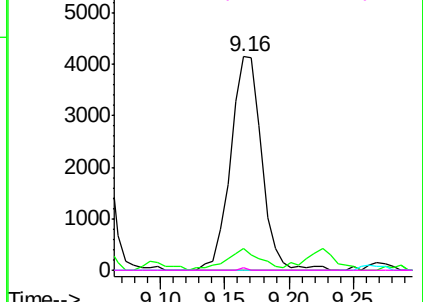


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#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

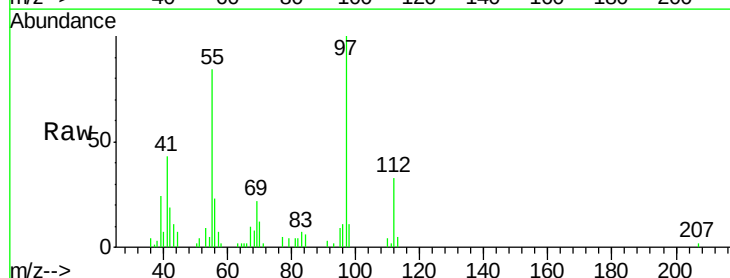
Tgt Ion: 69 Resp: 1768

Ion Ratio Lower Upper

69 100

41 166.9 60.3 90.5#

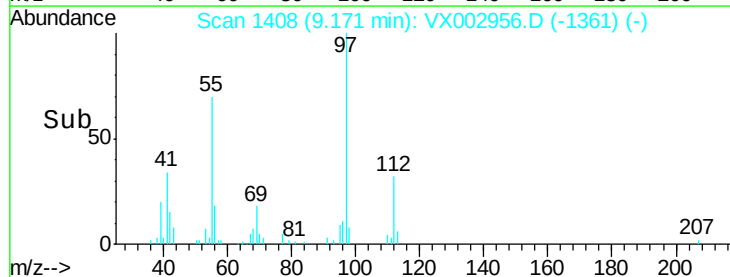
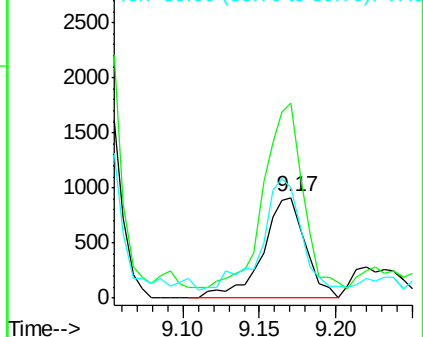
39 102.5 35.8 53.8#

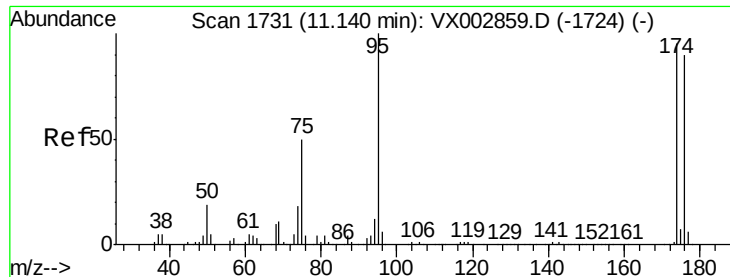


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#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 :

S83-0020

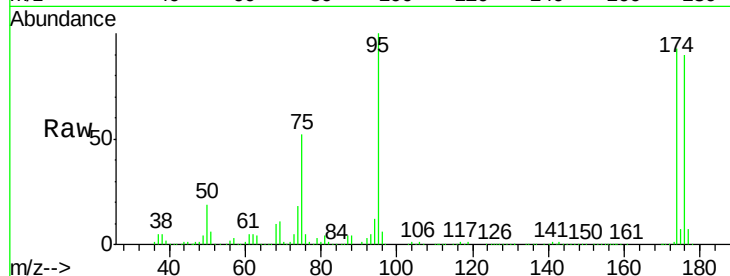
Tot Ion: 95 Resp: 175721

Ion Ratio Lower Upper

95 100

174 96.5 0.0 187.4

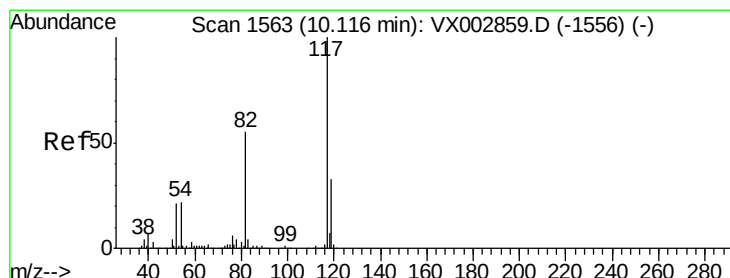
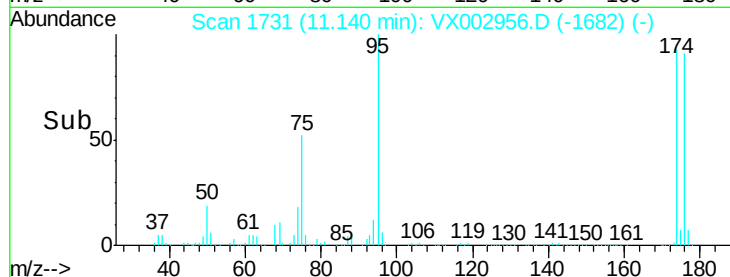
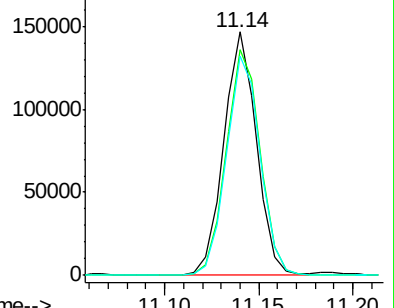
176 93.2 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002956.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002956.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002956.D (-1724) (-)



#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

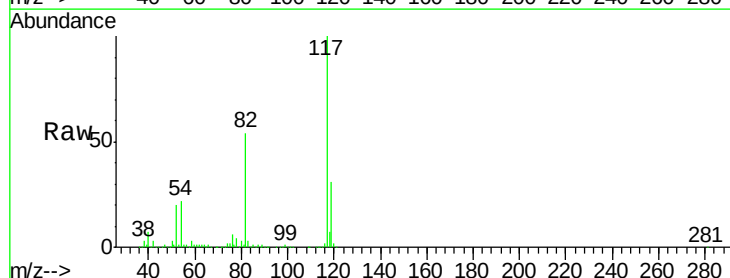
Tgt Ion: 117 Resp: 323233

Ion Ratio Lower Upper

117 100

82 53.7 45.0 67.4

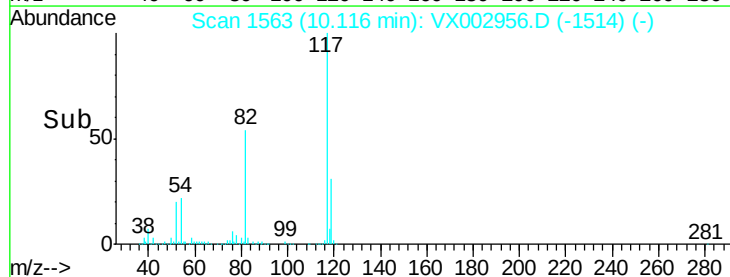
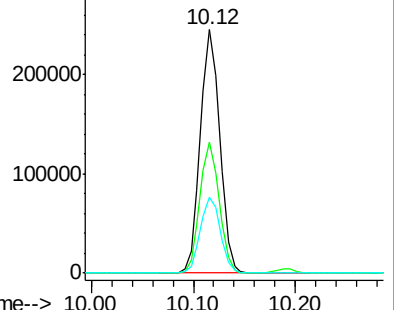
119 31.0 25.8 38.6

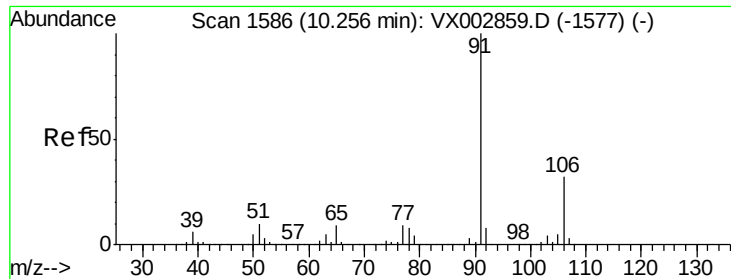


Abundance Ion 116.90 (116.60 to 117.60): VX002956.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002956.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002956.D (-1514) (-)





#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 :

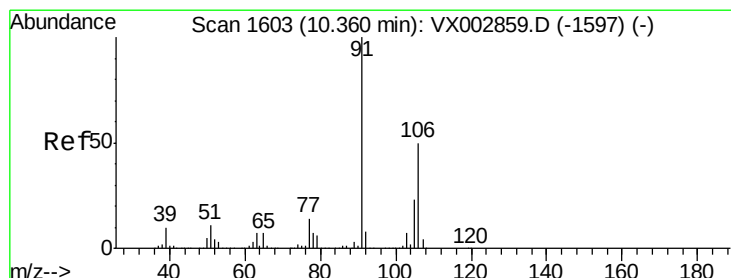
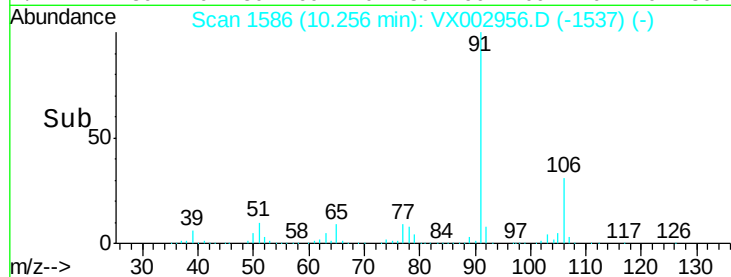
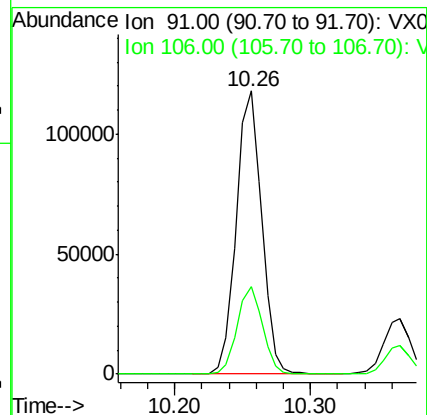
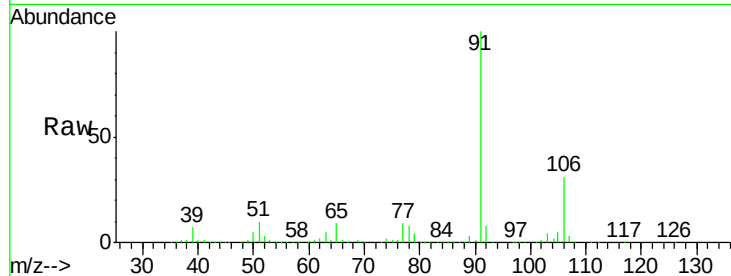
S83-0020

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

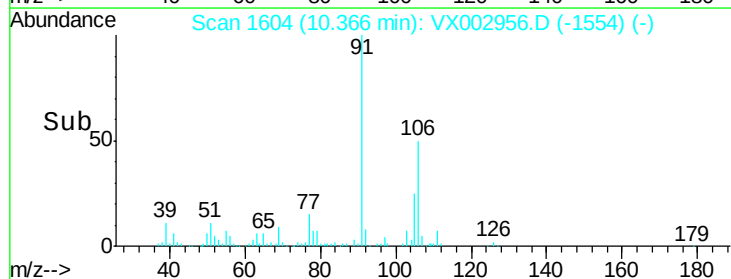
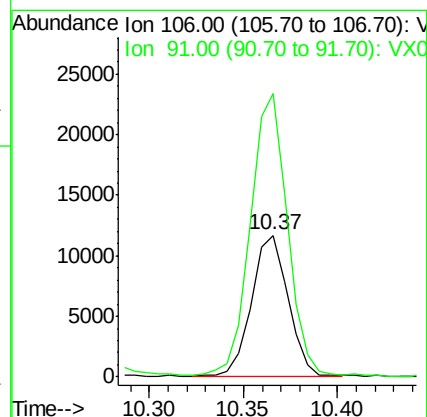
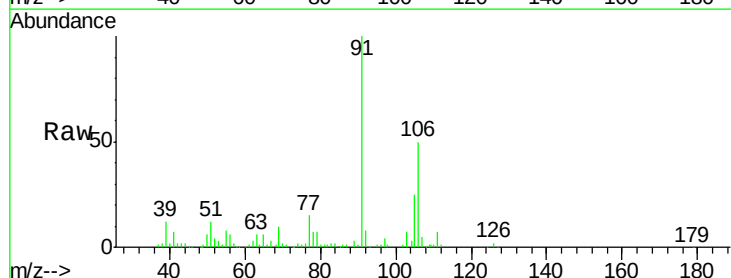
Acq: 28 Jun 2018 00:53

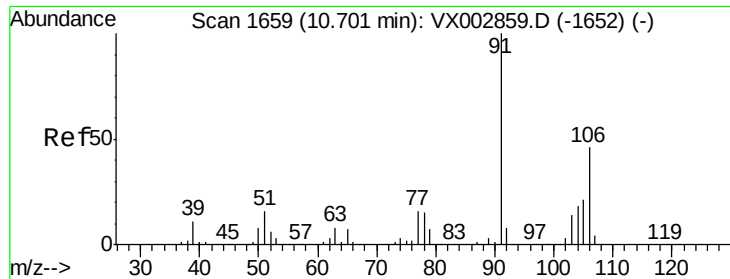
Tgt Ion: 106 Resp: 15672

Ion Ratio Lower Upper

106 100

91 203.0 163.4 245.2

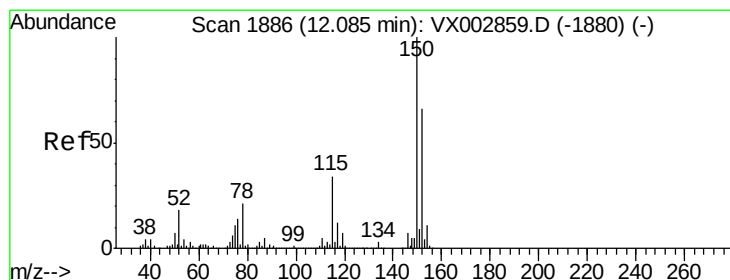
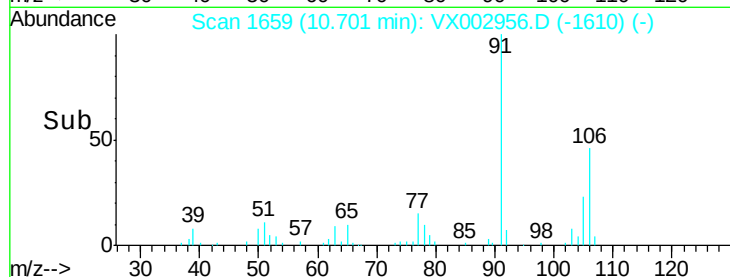
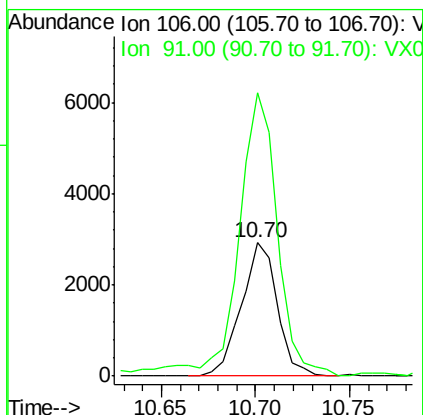
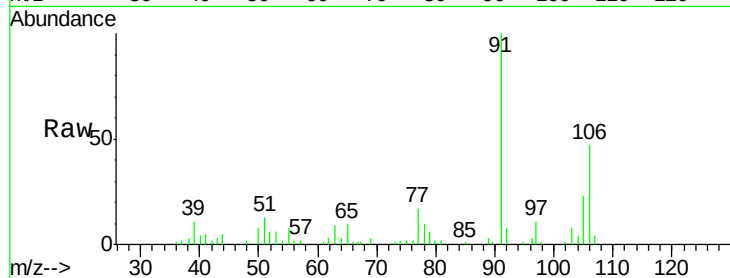




#69
o-Xylene
Concen: 0.76 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002956.D
Acq: 28 Jun 2018 00:53

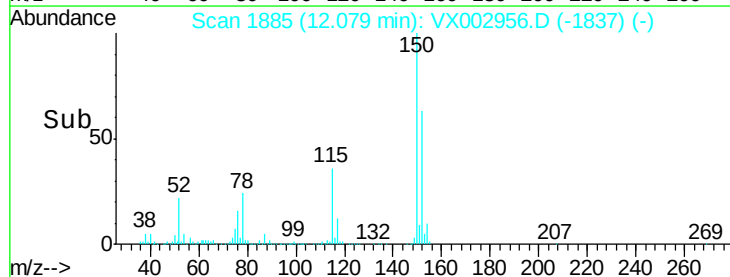
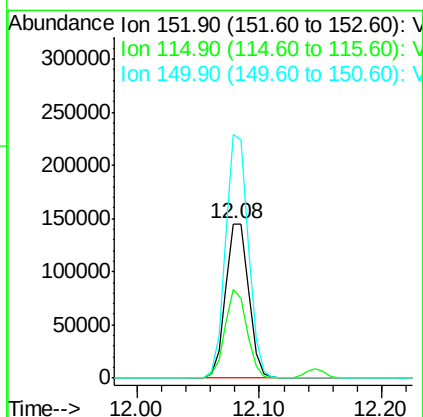
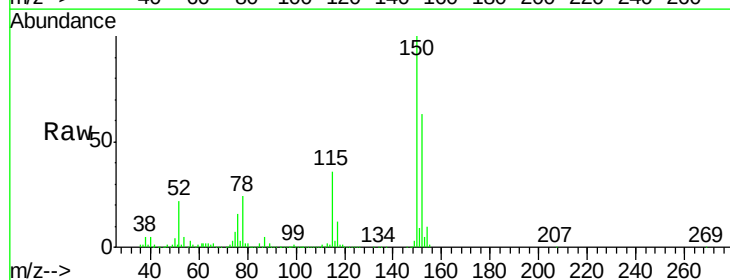
Instrument :
MSVOA_X
ClientSampled :
S83-0020

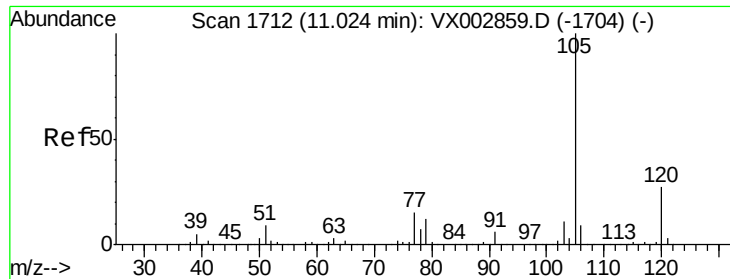
Tot Ion:106 Resp: 3877
Ion Ratio Lower Upper
106 100
91 233.7 108.2 324.6



#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





#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

ClientSampled :

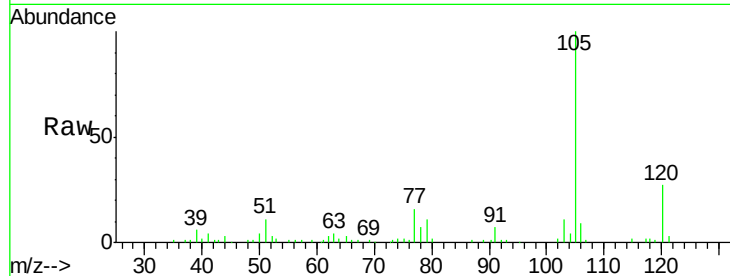
S83-0020

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

11.02

15000

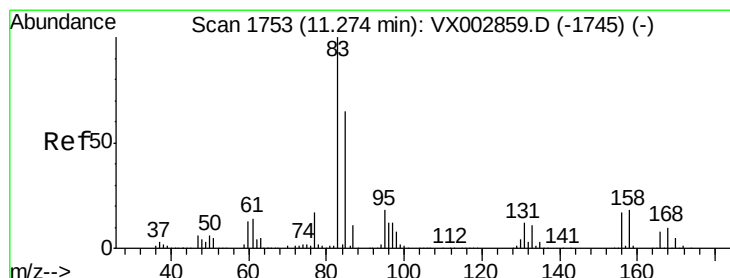
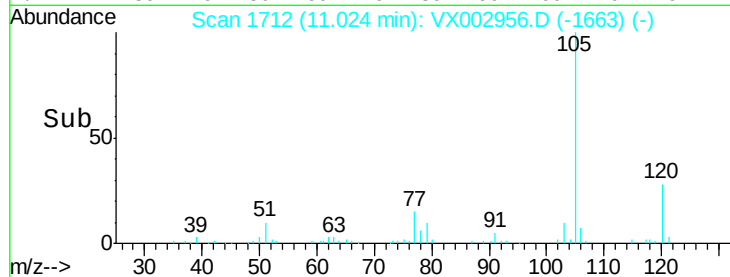
10000

5000

0

Time-->

10.95 11.00 11.05 11.10



#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

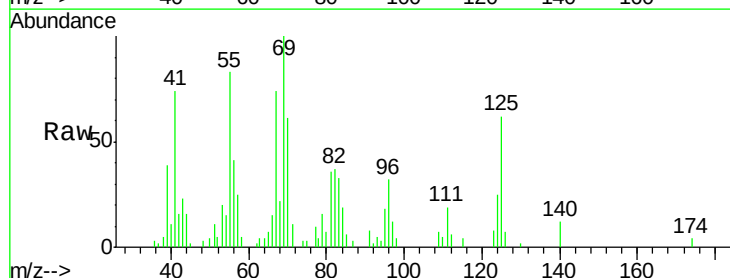
Tgt Ion: 83 Resp: 1497

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

11.28

1000

800

600

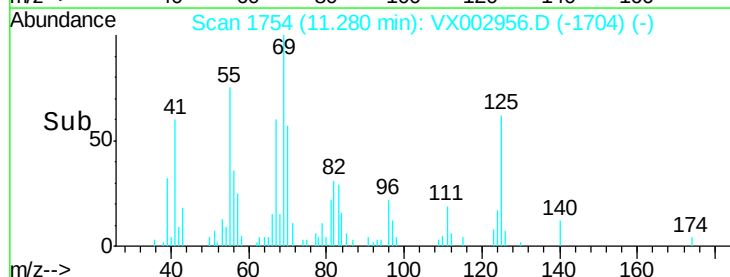
400

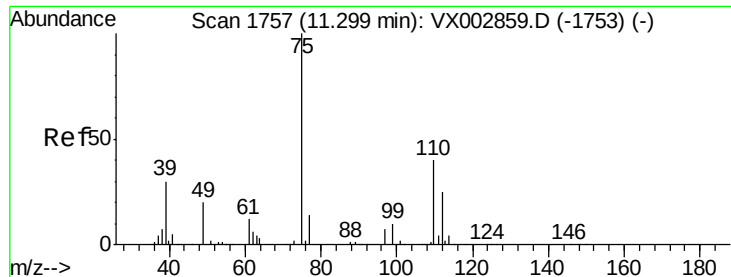
200

0

Time-->

11.25 11.30

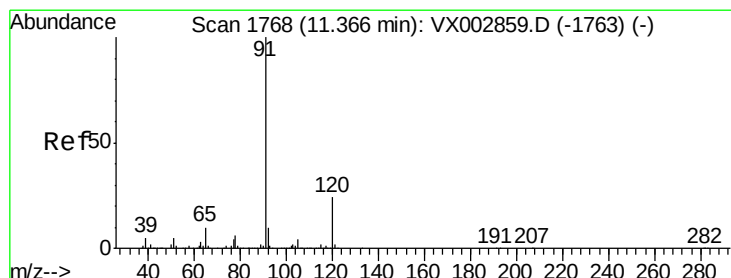
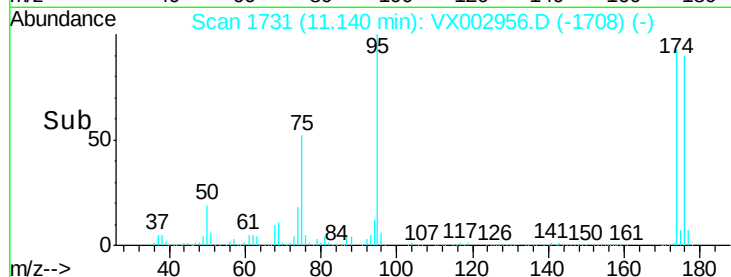
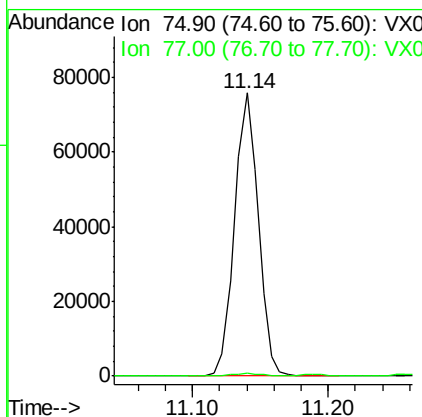
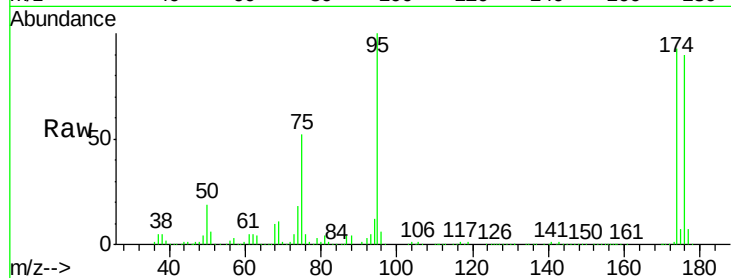




#76
 1,2,3-Trichloropropane
 Concen: 27.07 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002956.D
 Acq: 28 Jun 2018 00:53

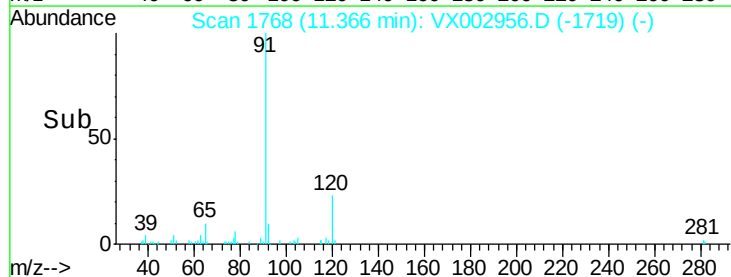
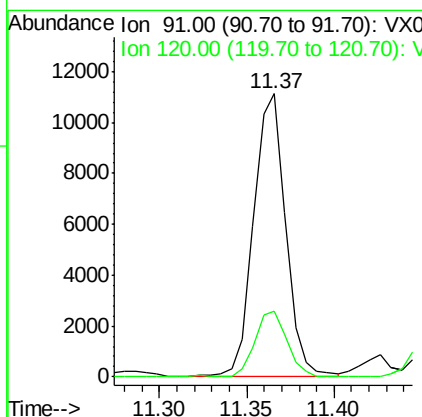
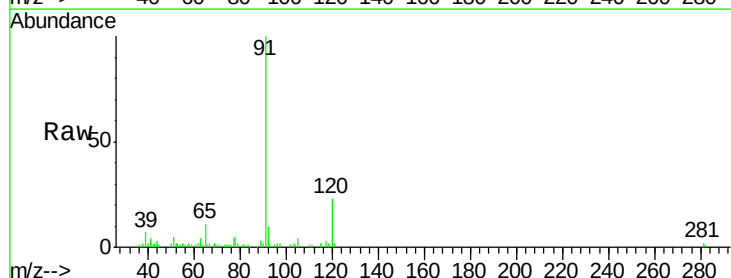
Instrument :
 MSVOA_X
 ClientSampled :
 S83-0020

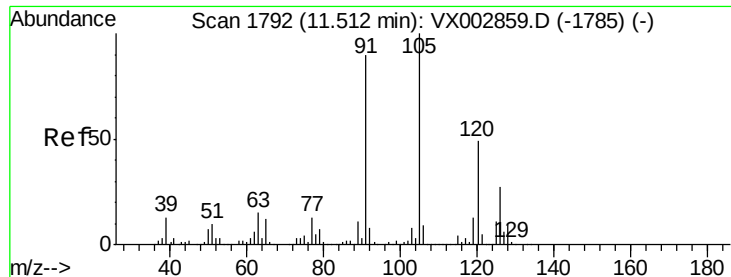
Tot Ion: 75 Resp: 92313
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.8 68.3#



#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 :

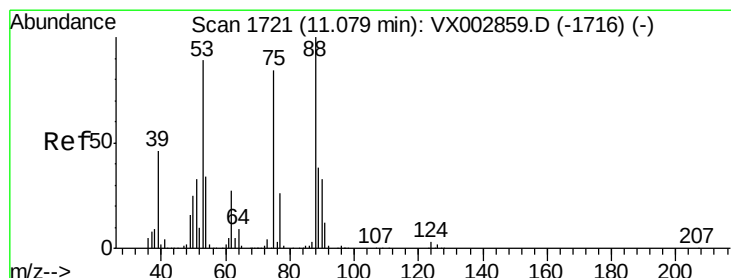
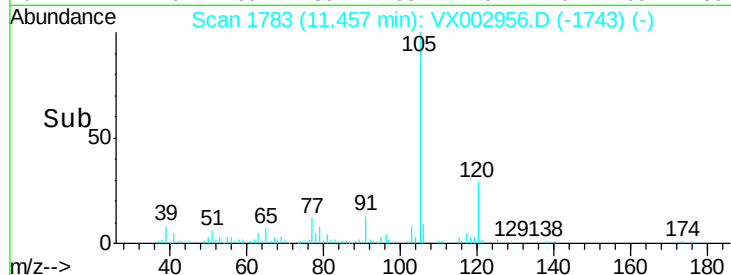
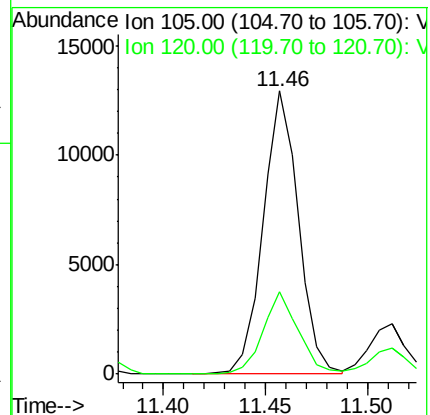
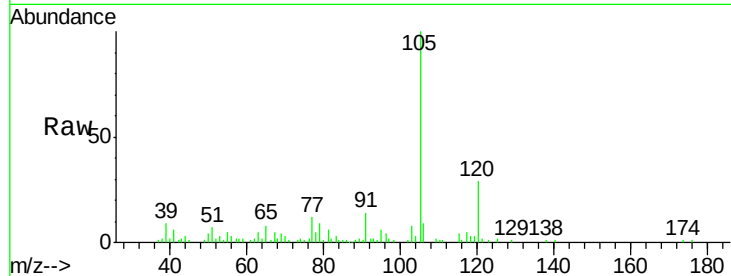
S83-0020

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

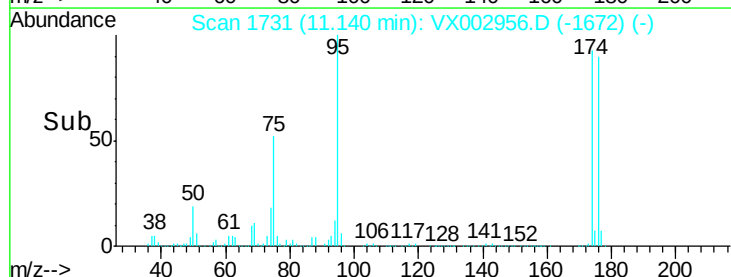
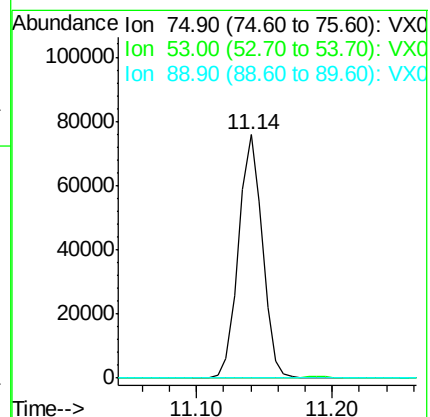
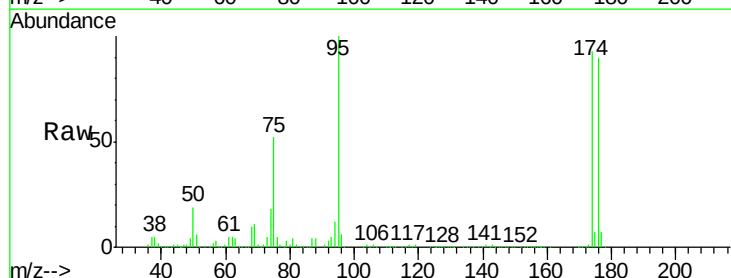
Tgt Ion: 75 Resp: 92313

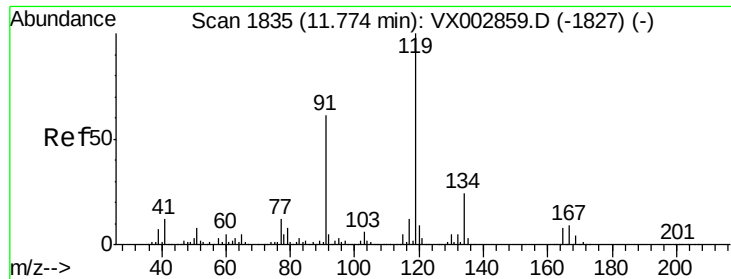
Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#

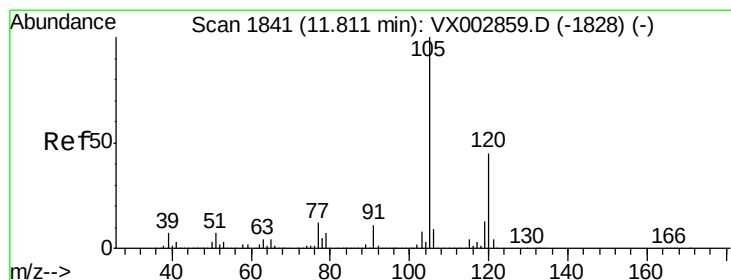
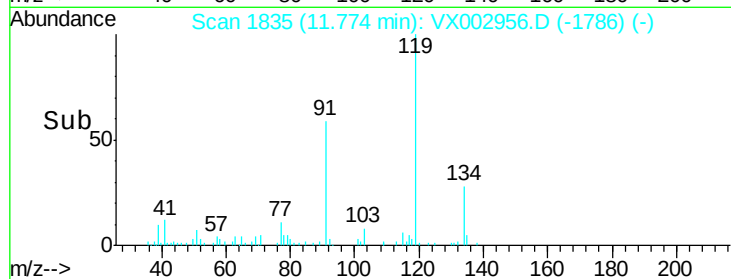
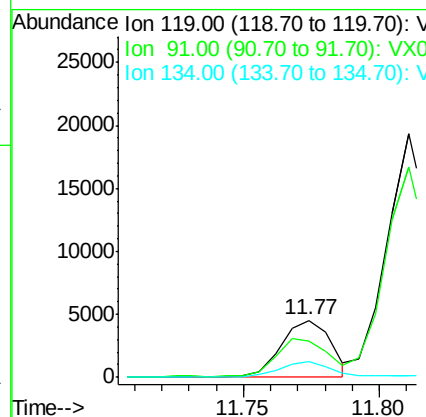
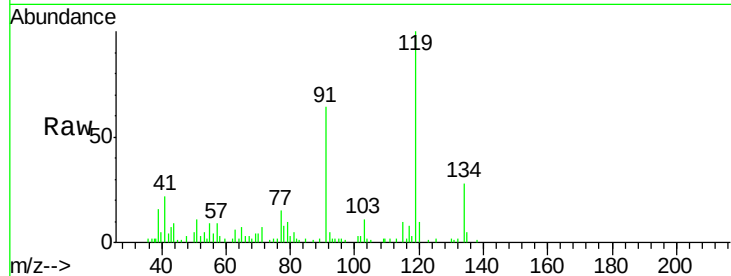




#83
 tert-Butylbenzene
 Concen: 0.54 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002956.D
 Acq: 28 Jun 2018 00:53

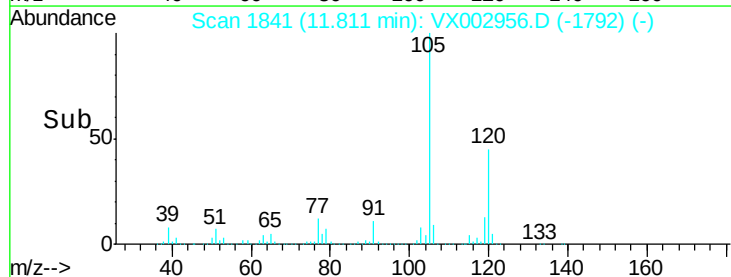
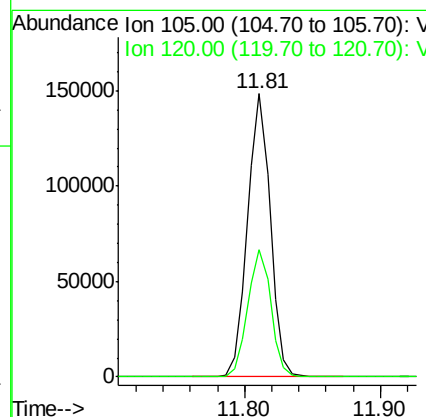
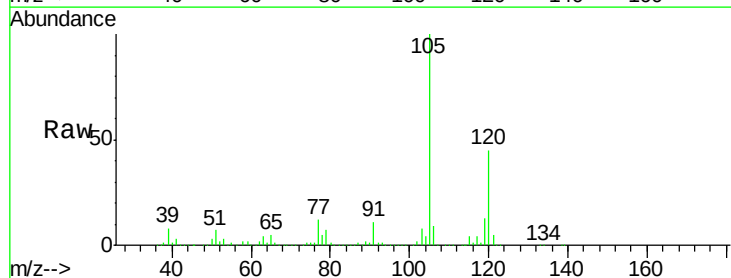
Instrument :
 MSVOA_X
 ClientSampled :
 S83-0020

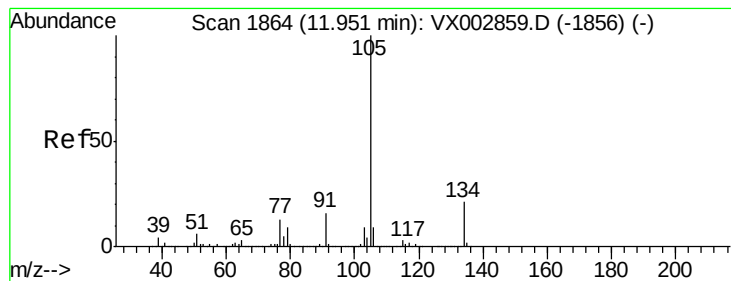
Tot Ion:119 Resp: 5704
 Ion Ratio Lower Upper
 119 100
 91 69.5 30.3 90.9
 134 28.5 11.7 35.1



#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 :

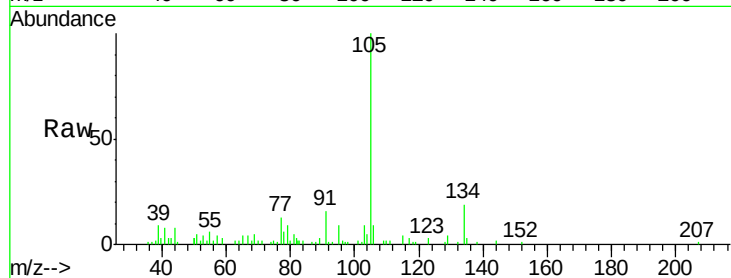
S83-0020

Tot Ion:105 Resp: 7789

Ion Ratio Lower Upper

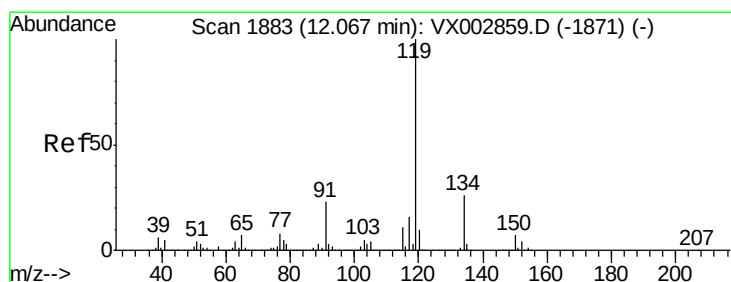
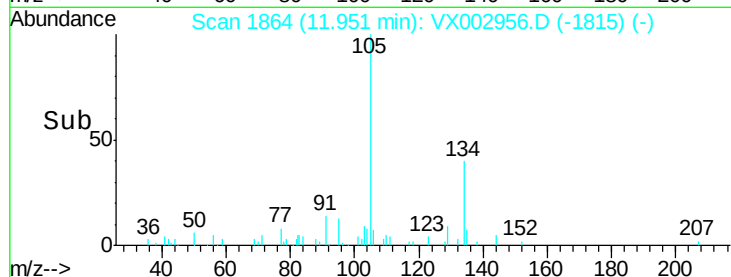
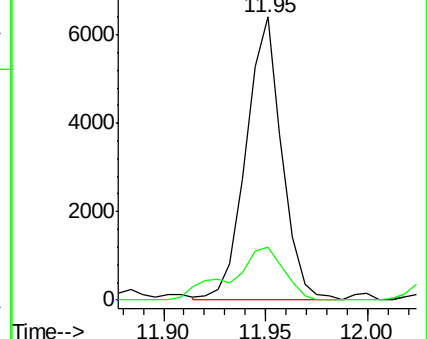
105 100

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

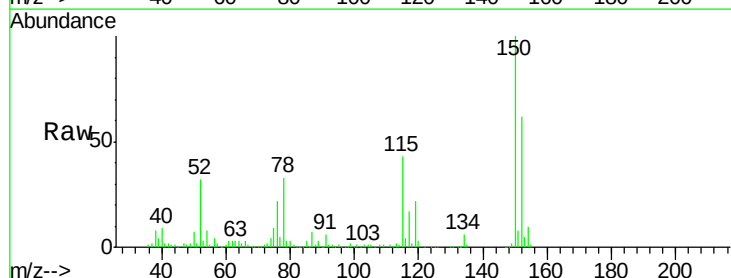
Tgt Ion:119 Resp: 10478

Ion Ratio Lower Upper

119 100

134 28.5 13.4 40.1

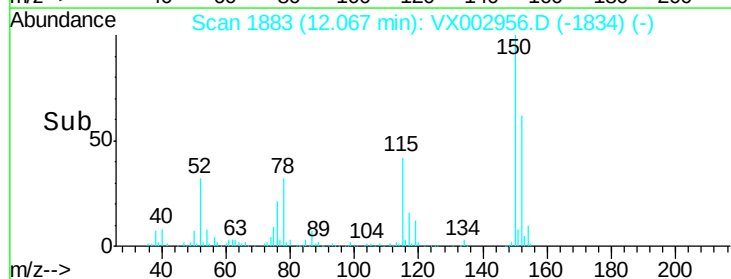
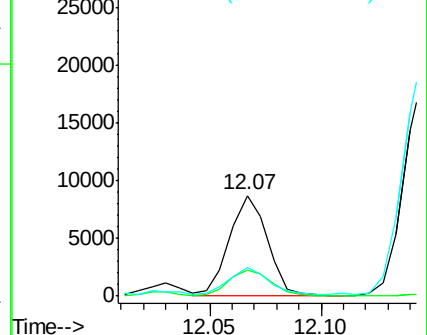
91 26.2 11.9 35.7

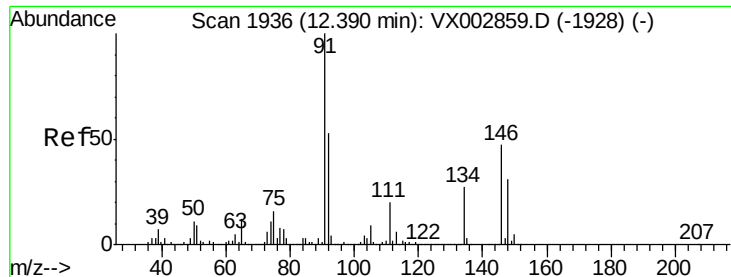


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#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

ClientSampled :

S83-0020

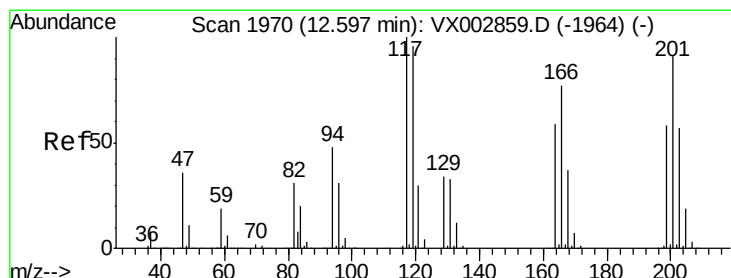
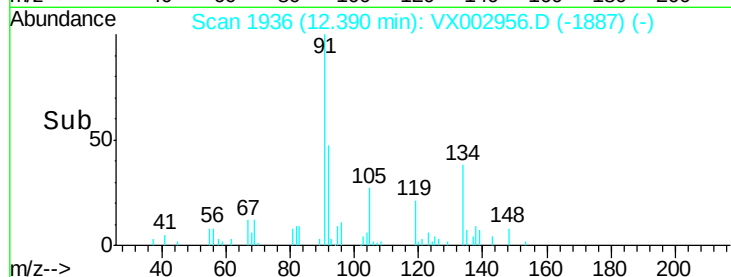
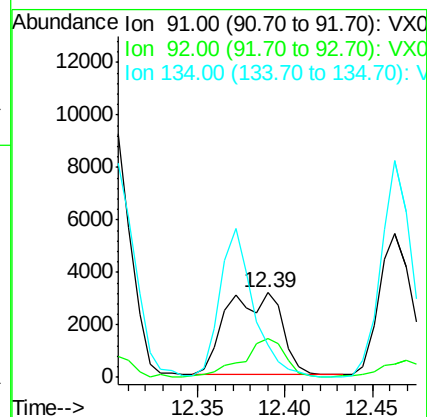
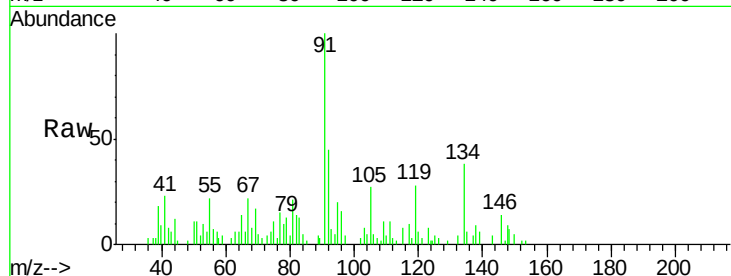
Tot Ion: 91 Resp: 6885

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

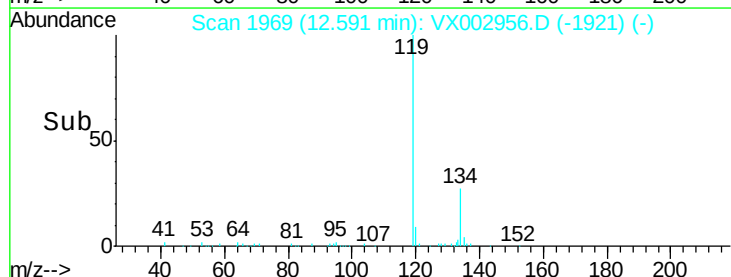
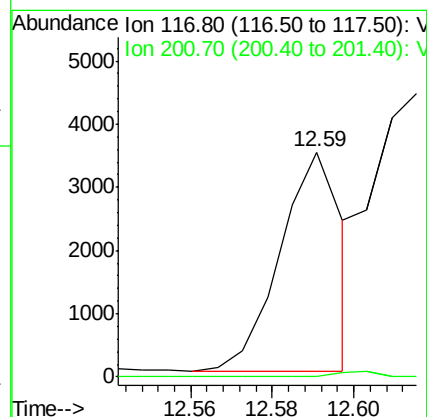
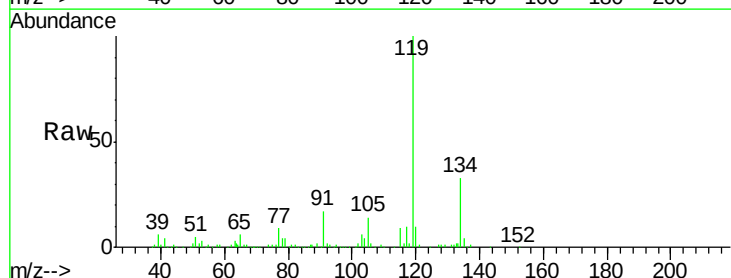
Acq: 28 Jun 2018 00:53

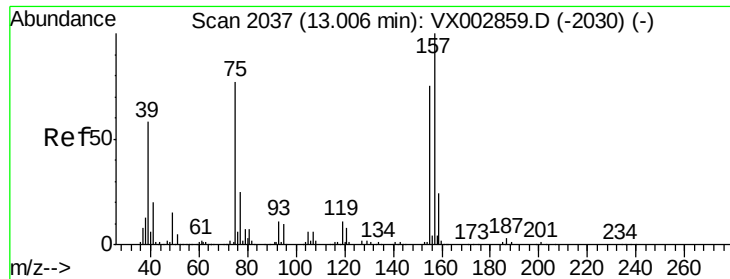
Tgt Ion: 117 Resp: 3673

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#

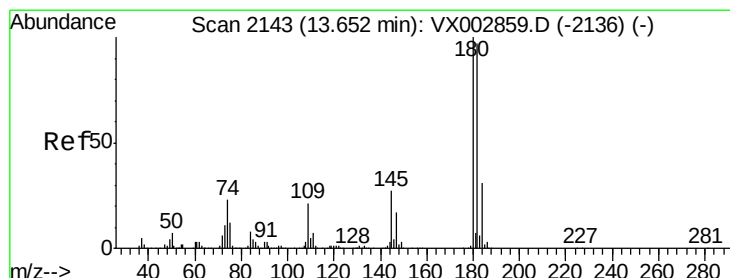
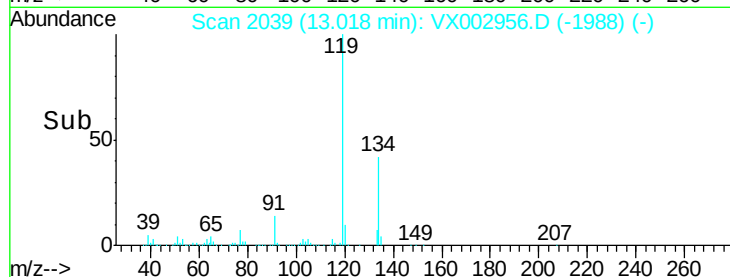
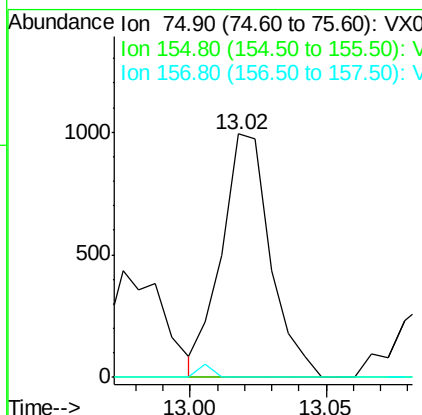
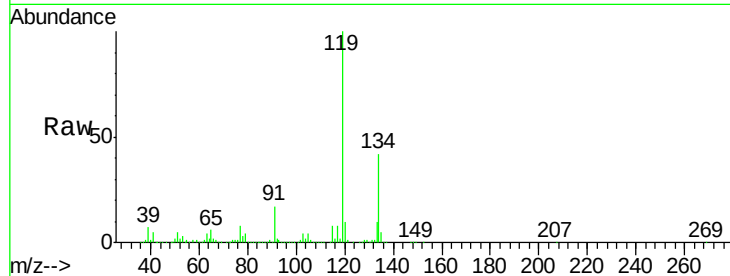




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.41 ug/l
 RT: 13.02 min Scan# 2039
 Delta R.T. 0.01 min
 Lab File: VX002956.D
 Acq: 28 Jun 2018 00:53

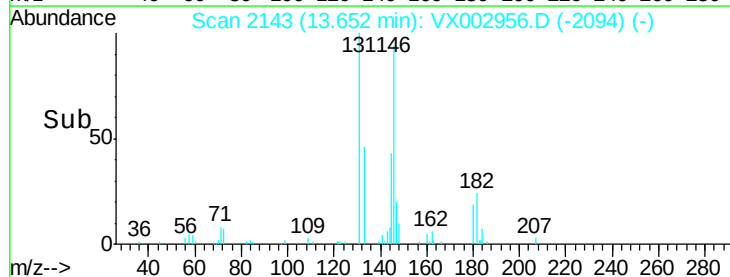
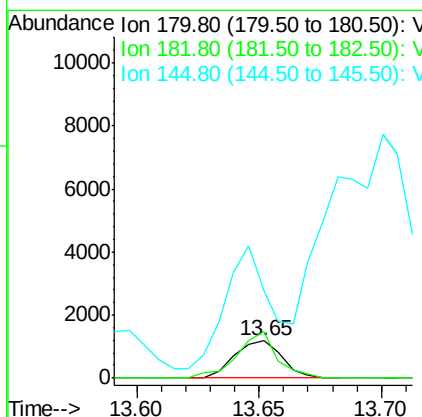
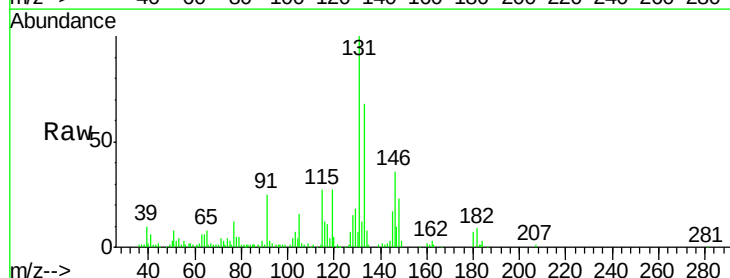
Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020

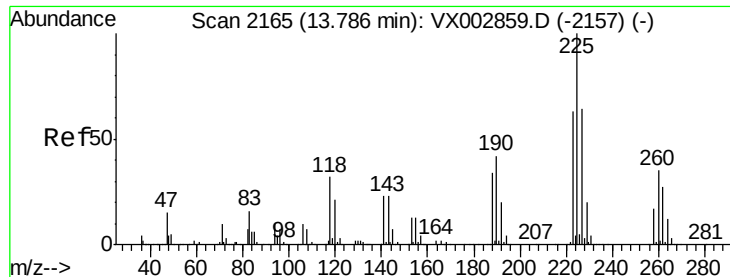
Tot Ion: 75 Resp: 1238
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.8 137.4#
 157 1.5 60.1 180.3#



#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 :

S83-0020

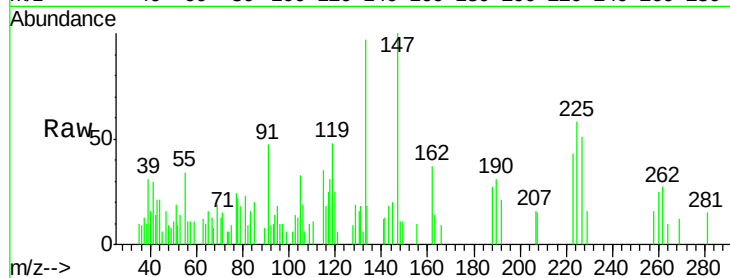
Tot Ion:225 Resp: 716

Ion Ratio Lower Upper

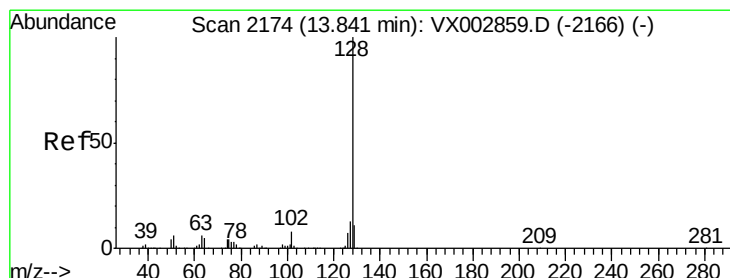
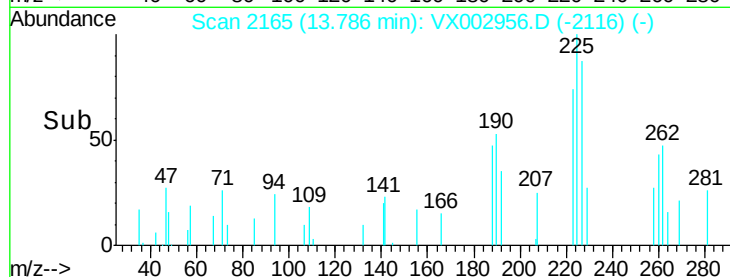
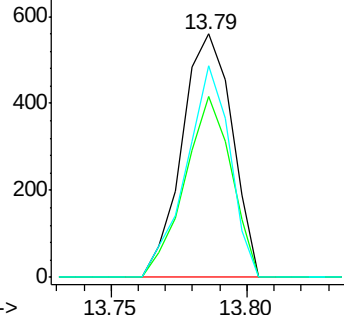
225 100

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

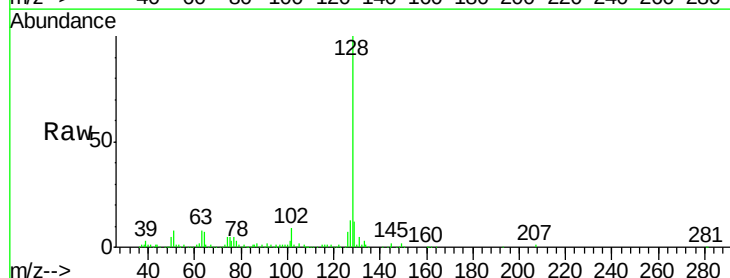
Tgt Ion:128 Resp: 48682

Ion Ratio Lower Upper

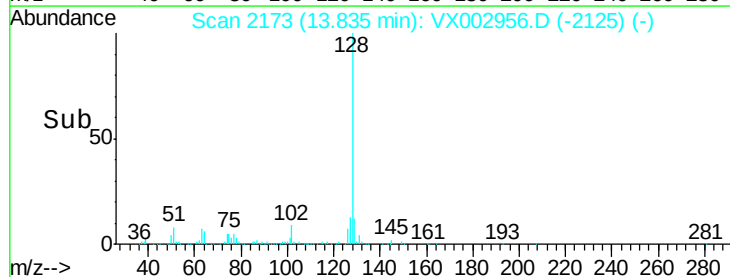
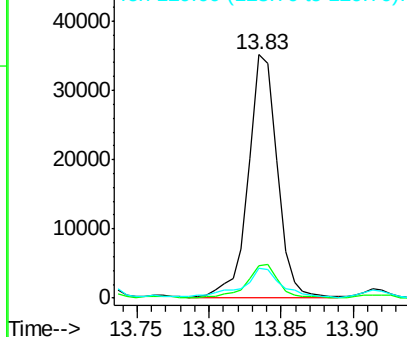
128 100

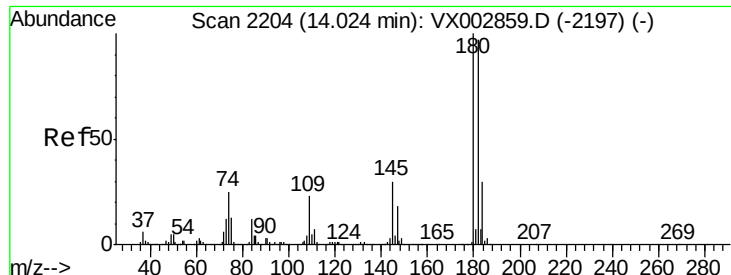
127 15.3 10.4 15.6

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 :

S83-0020

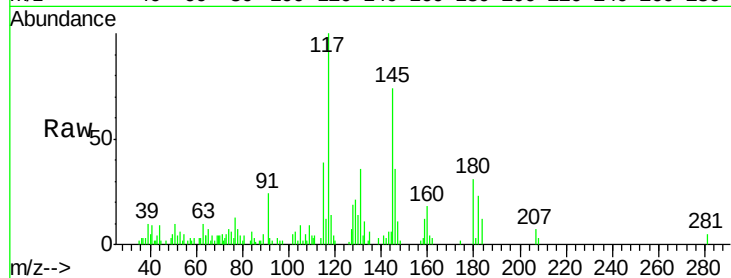
Tot Ion:180 Resp: 1443

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

