

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082418\
 Data File : VX004246.D
 Acq On : 24 Aug 2018 14:55
 Operator : JC/MD
 Sample : J4646-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-Q4-TB01

Quant Time: Aug 25 00:29:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	323633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	505093	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	433758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	263944	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	215194	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
35) Dibromofluoromethane	5.50	113	189208	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	8.71	98	705928	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.14	95	242284	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	

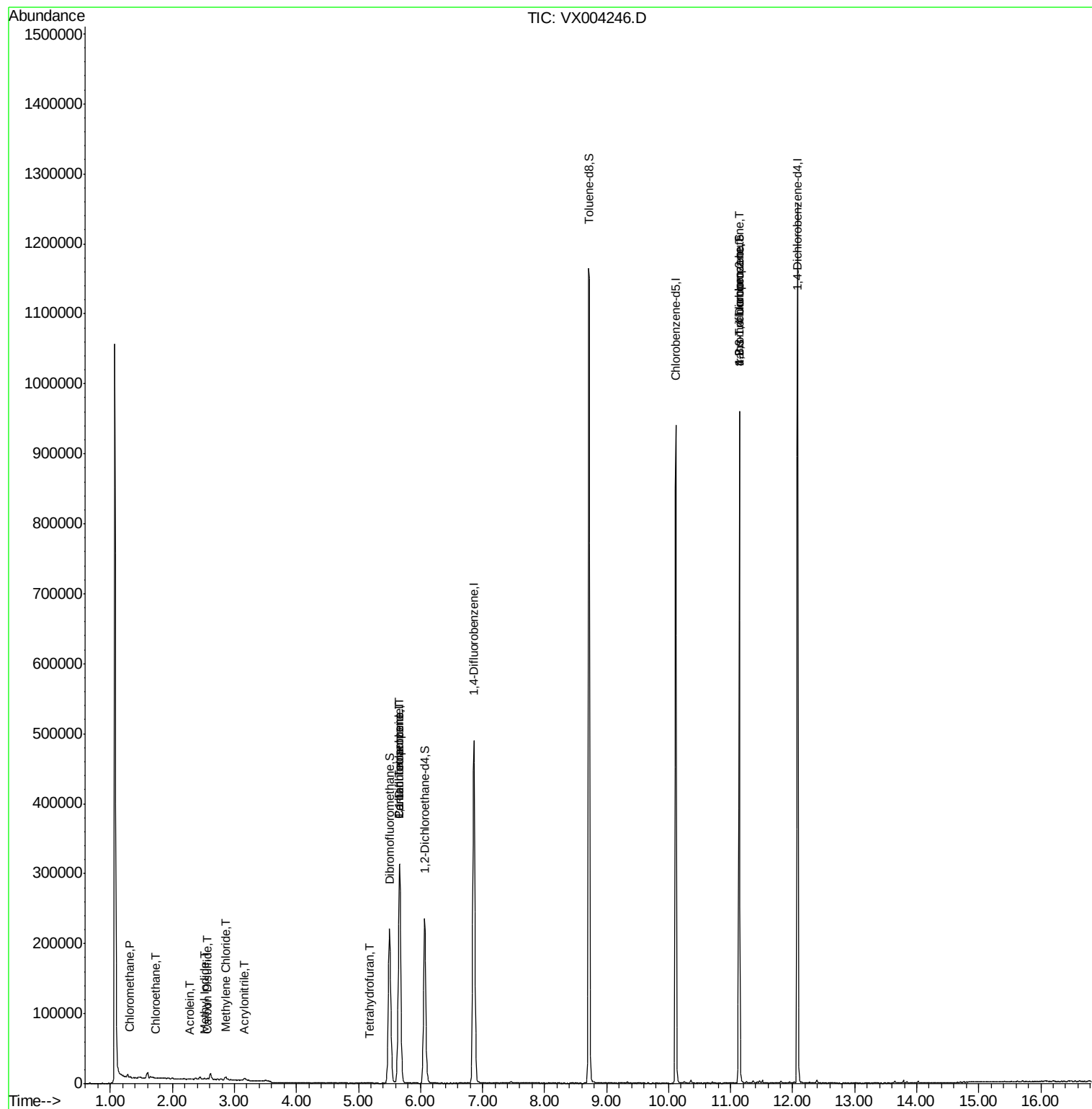
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1510	0.65	ug/l	98
5) Bromomethane	1.65	94	1280	Below Cal	#	80
6) Chloroethane	1.74	64	566	1.13	ug/l	# 44
10) Methyl Iodide	2.52	142	1950	4.70	ug/l	97
13) Acrolein	2.29	56	106	0.49	ug/l	# 1
15) Acrylonitrile	3.15	53	883	0.40	ug/l	95
16) Acetone	2.45	43	3803	Below Cal		98
17) Carbon Disulfide	2.57	76	2387	1.04	ug/l	# 80
20) Methylene Chloride	2.85	84	1814	0.45	ug/l	# 94
25) 2-Butanone	4.70	43	416	Below Cal	#	47
29) Tetrahydrofuran	5.18	42	458	0.25	ug/l	94
36) 1,1-Dichloropropene	5.66	75	21381	3.77	ug/l	# 50
38) Carbon Tetrachloride	5.66	117	27959	5.23	ug/l	# 15
76) 1,2,3-Trichloropropane	11.14	75	117757	21.94	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	117757	71.17	ug/l	# 10

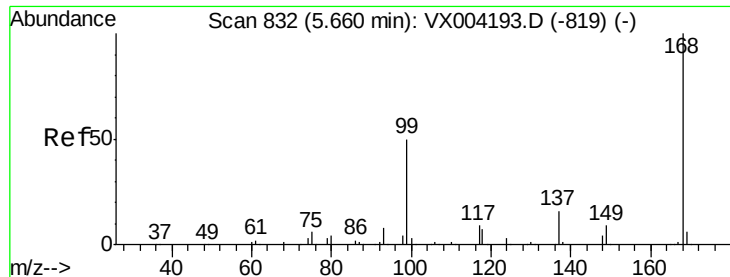
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004246.D

Acq: 24 Aug 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

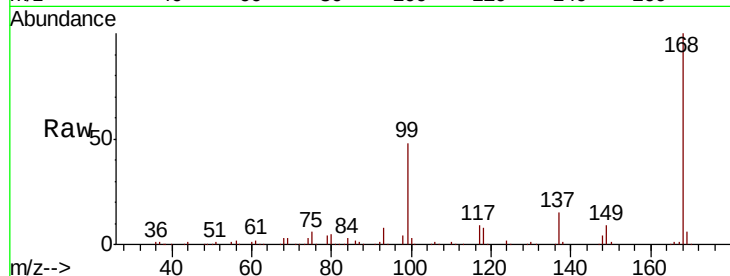
EP1-Q4-TB01

Tot Ion:168 Resp: 323633

Ion Ratio Lower Upper

168 100

99 48.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

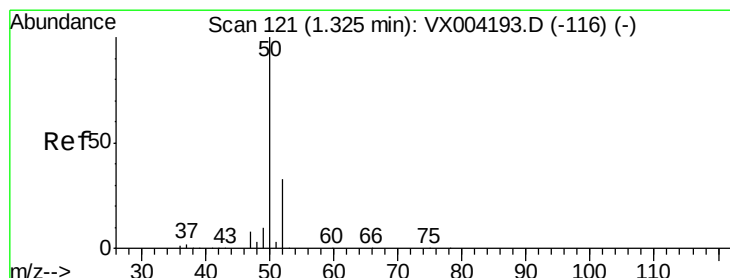
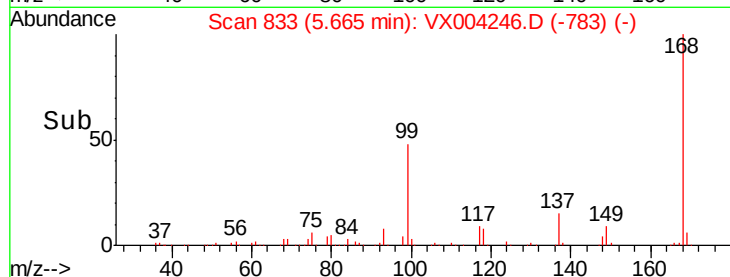
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.65 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004246.D

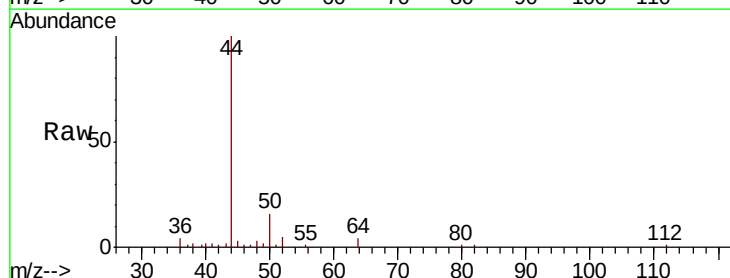
Acq: 24 Aug 2018 14:55

Tgt Ion: 50 Resp: 1510

Ion Ratio Lower Upper

50 100

52 31.7 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1200

1000

800

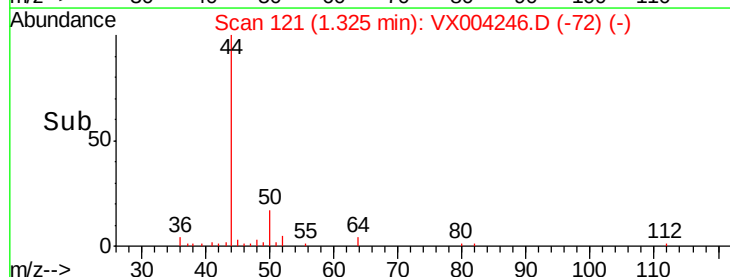
600

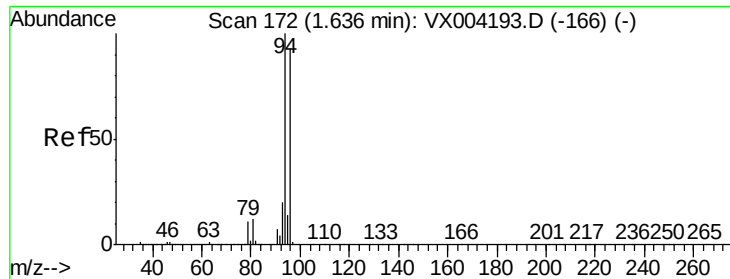
400

200

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004246.D

Acq: 24 Aug 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

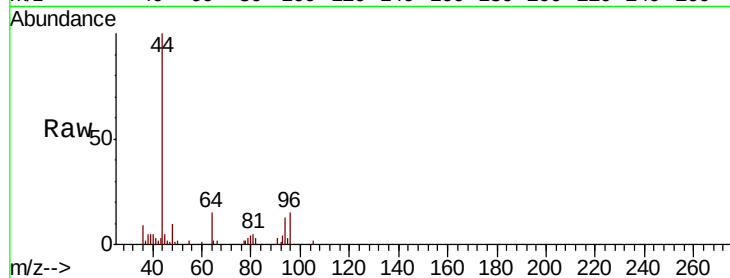
EP1-Q4-TB01

Tot Ion: 94 Resp: 1280

Ion Ratio Lower Upper

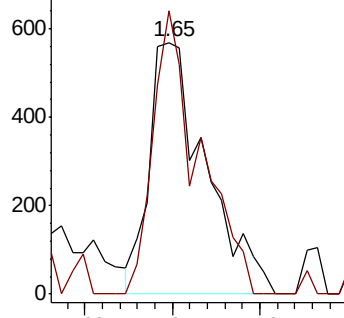
94 100

96 112.5 74.5 111.7#

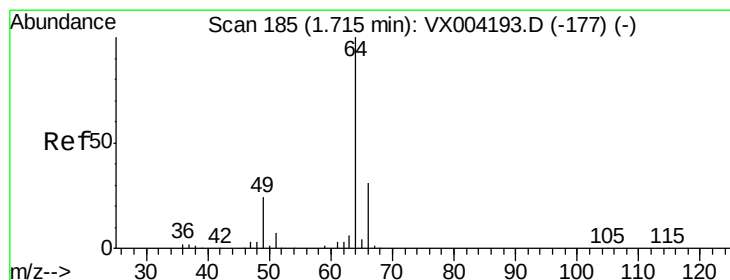
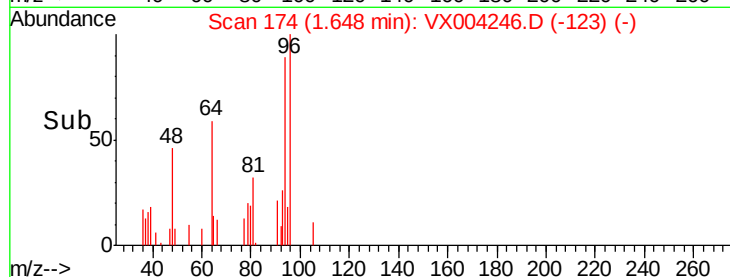


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 1.13 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX004246.D

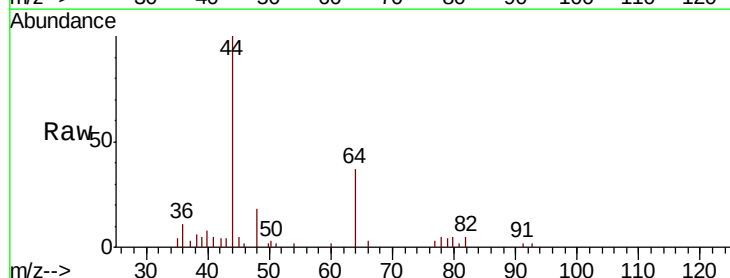
Acq: 24 Aug 2018 14:55

Tgt Ion: 64 Resp: 566

Ion Ratio Lower Upper

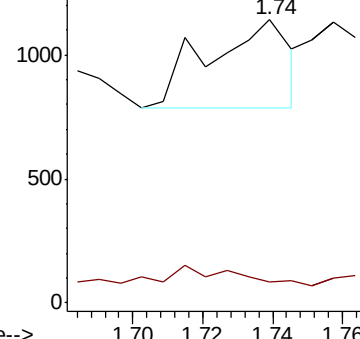
64 100

66 0.0 24.6 36.8#

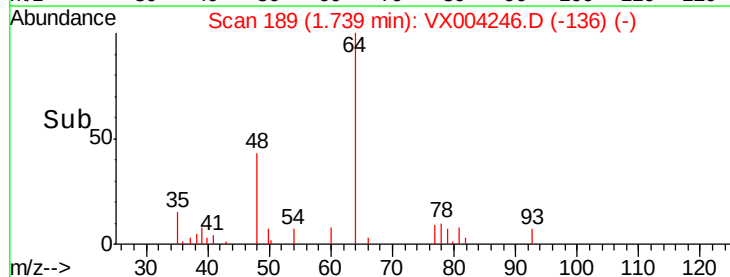


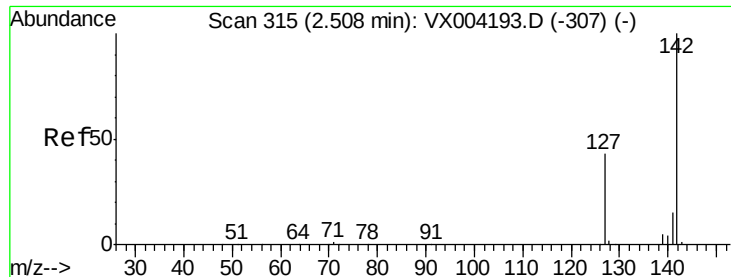
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#10

Methvl Iodide

Concen: 4.70 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX004246.D

Acq: 24 Aug 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

EP1-Q4-TB01

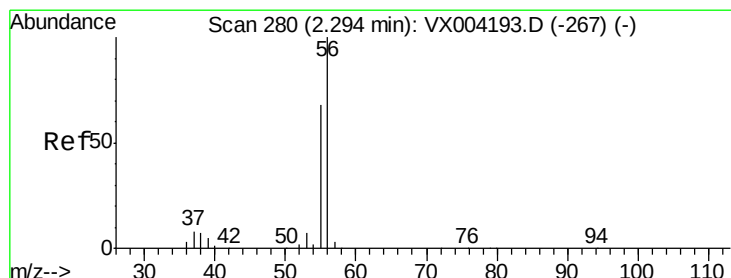
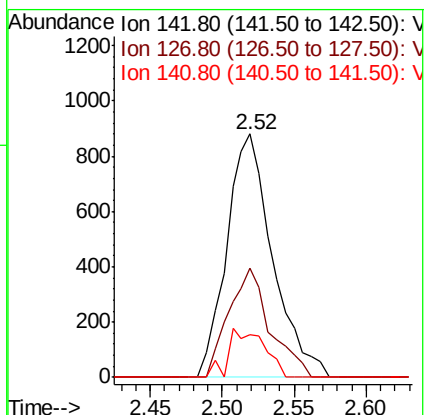
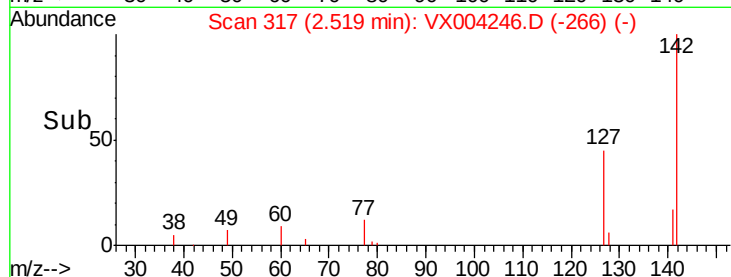
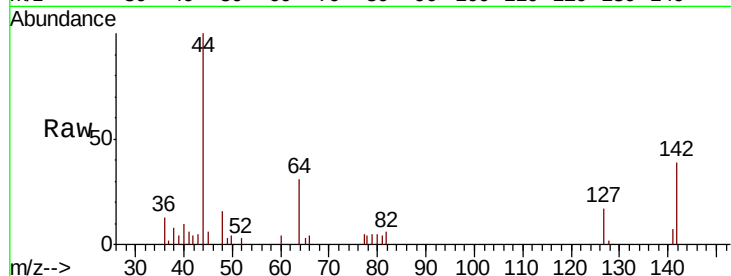
Tot Ion:142 Resp: 1950

Ion Ratio Lower Upper

142 100

127 40.7 33.8 50.6

141 15.7 11.4 17.0



#13

Acrolein

Concen: 0.49 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004246.D

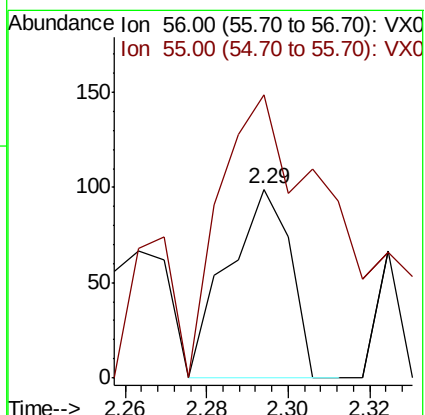
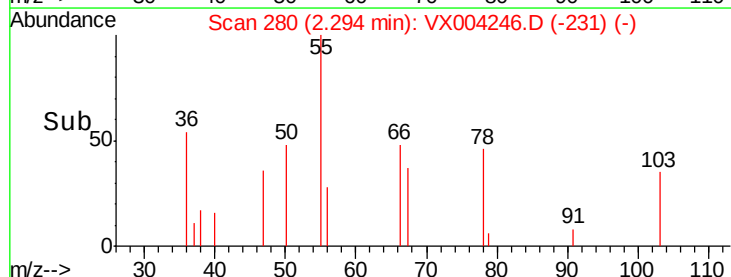
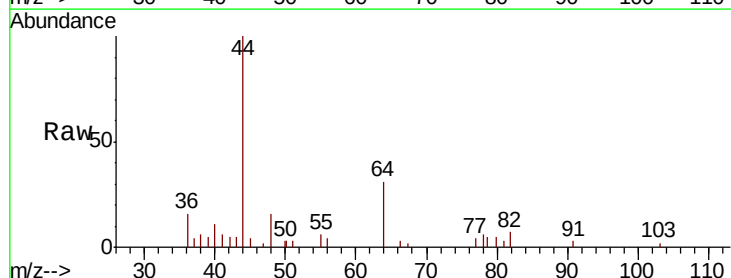
Acq: 24 Aug 2018 14:55

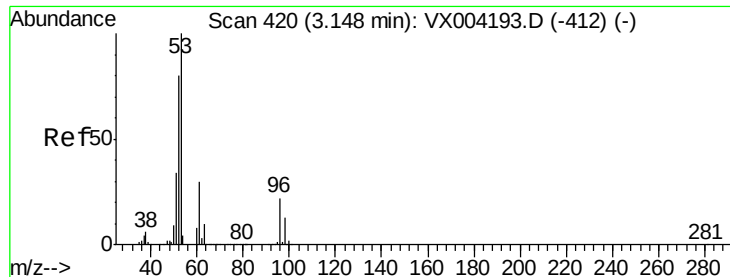
Tgt Ion: 56 Resp: 106

Ion Ratio Lower Upper

56 100

55 289.6 54.7 82.1#





#15

Acrylonitrile

Concen: 0.40 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VX004246.D

Acq: 24 Aug 2018 14:55

Instrument :

MSVOA_X

ClientSampled :

EP1-Q4-TB01

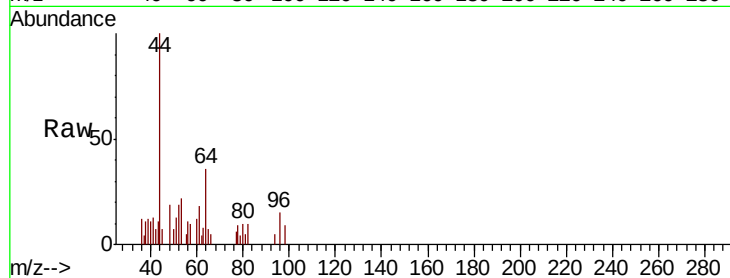
Tot Ion: 53 Resp: 883

Ion Ratio Lower Upper

53 100

52 86.6 65.2 97.8

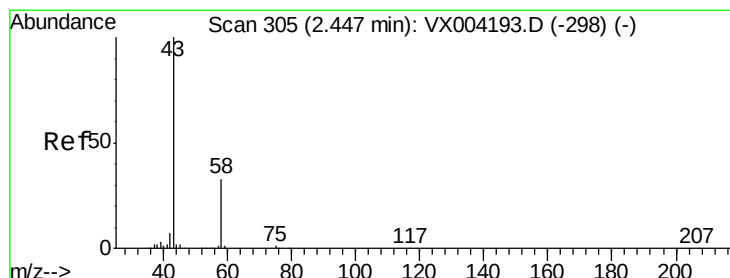
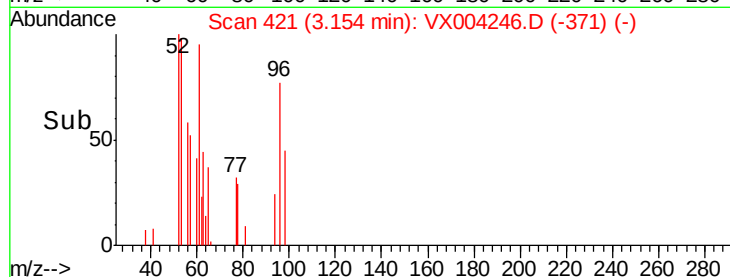
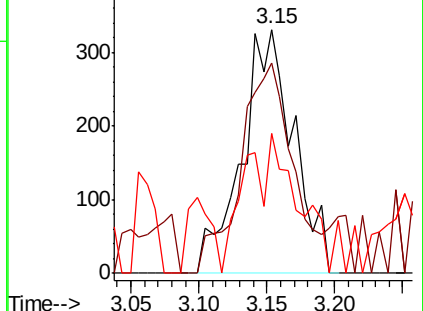
51 33.1 28.2 42.2



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: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004246.D

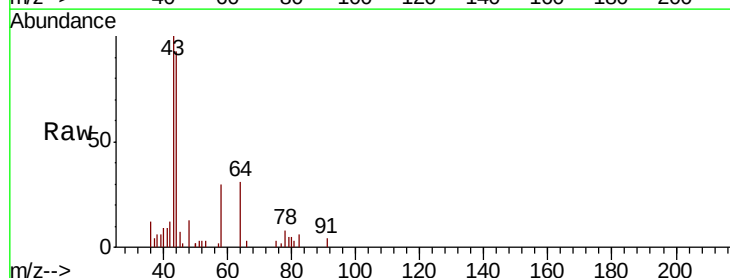
Acq: 24 Aug 2018 14:55

Tgt Ion: 43 Resp: 3803

Ion Ratio Lower Upper

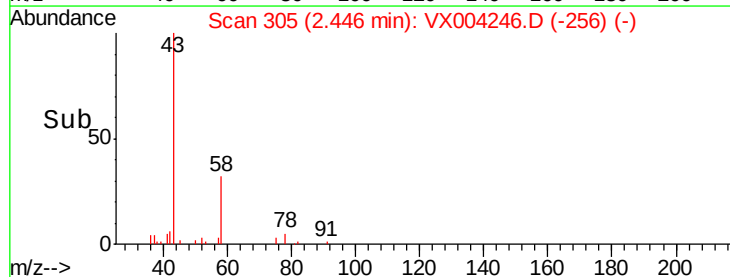
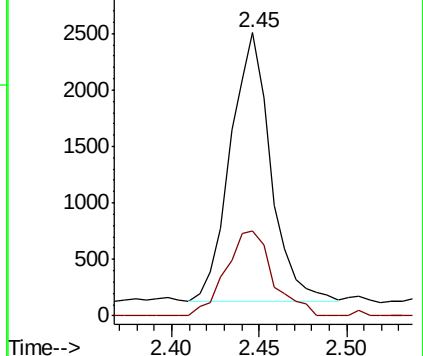
43 100

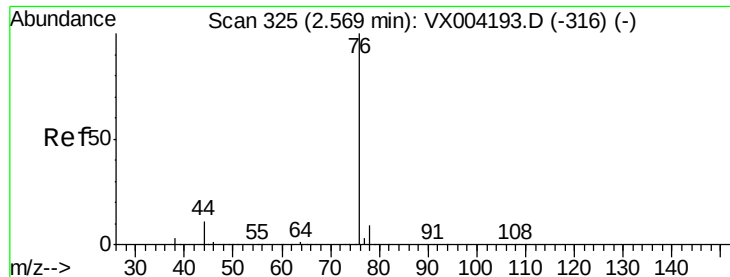
58 31.5 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

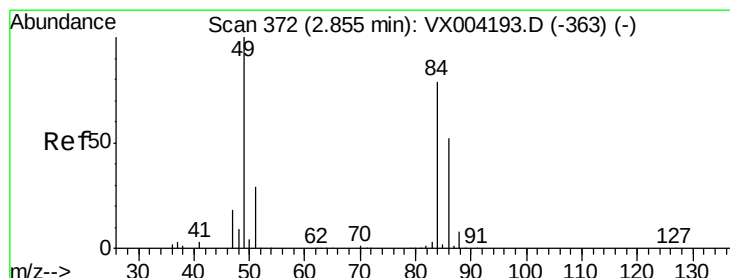
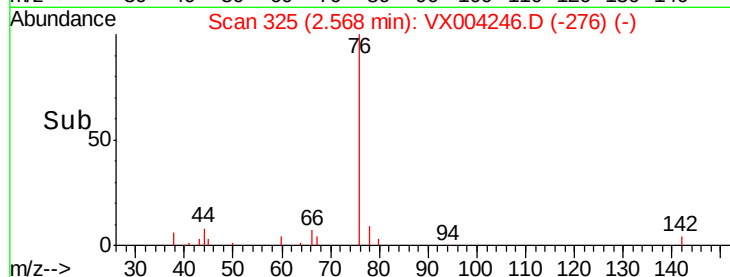
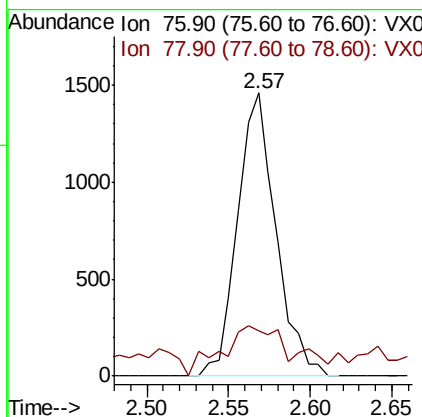
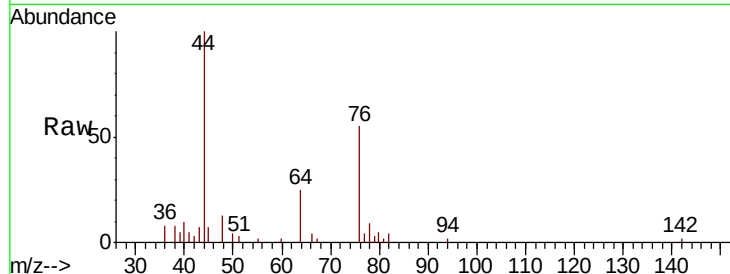




#17
Carbon Disulfide
Concen: 1.04 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004246.D
Acq: 24 Aug 2018 14:55

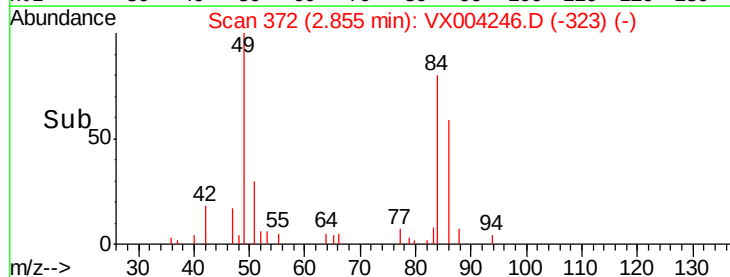
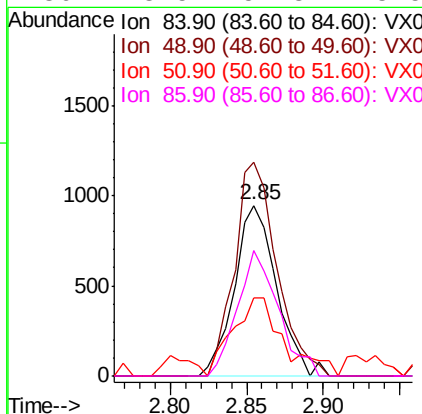
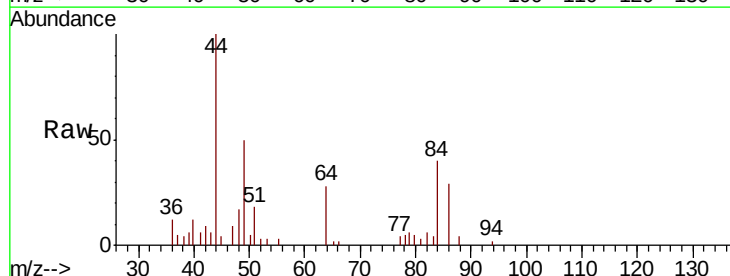
Instrument :
MSVOA_X
ClientSampleId :
EP1-Q4-TB01

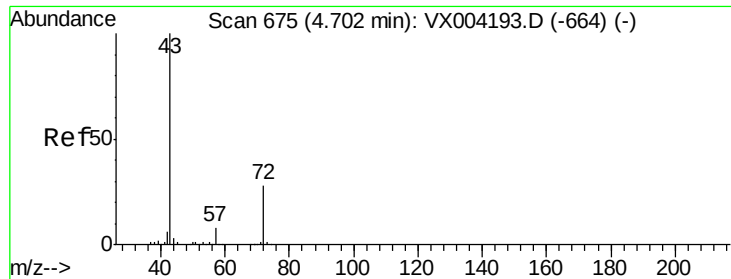
Tot Ion: 76 Resp: 2387
Ion Ratio Lower Upper
76 100
78 16.0 7.0 10.6#



#20
Methylene Chloride
Concen: 0.45 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004246.D
Acq: 24 Aug 2018 14:55

Tgt Ion: 84 Resp: 1814
Ion Ratio Lower Upper
84 100
49 125.1 101.2 151.8
51 46.0 29.5 44.3#
86 73.5 52.3 78.5





#25

2-Butanone

Concen: Below Cal

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004246.D

Acq: 24 Aug 2018 14:55

Instrument :

MSVOA_X

ClientSampled :

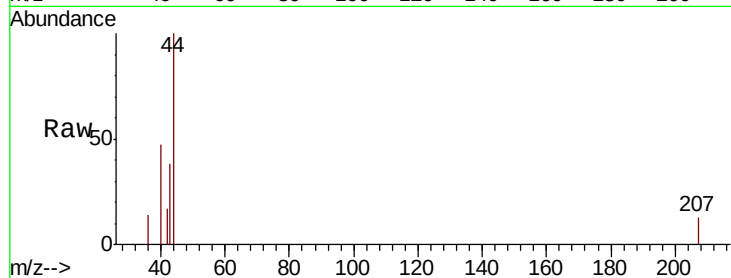
EP1-Q4-TB01

Tot Ion: 43 Resp: 416

Ion Ratio Lower Upper

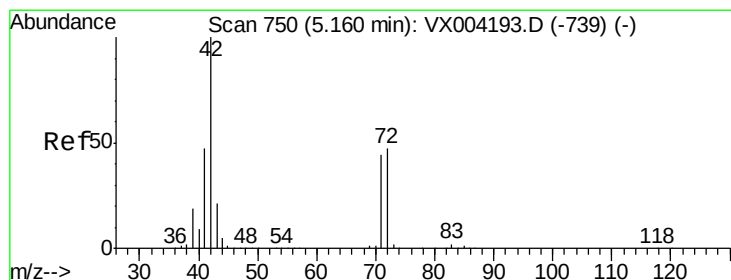
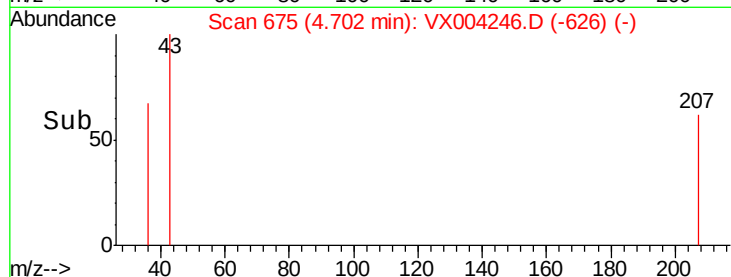
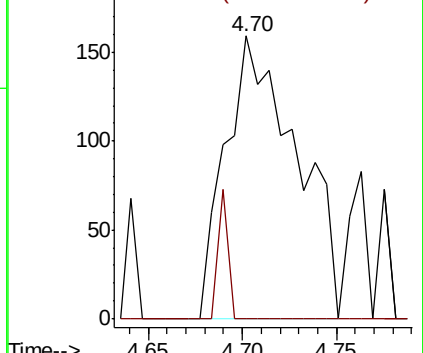
43 100

72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.25 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.02 min

Lab File: VX004246.D

Acq: 24 Aug 2018 14:55

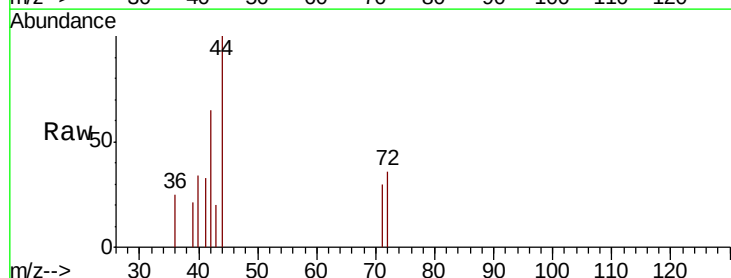
Tgt Ion: 42 Resp: 458

Ion Ratio Lower Upper

42 100

72 43.2 37.4 56.0

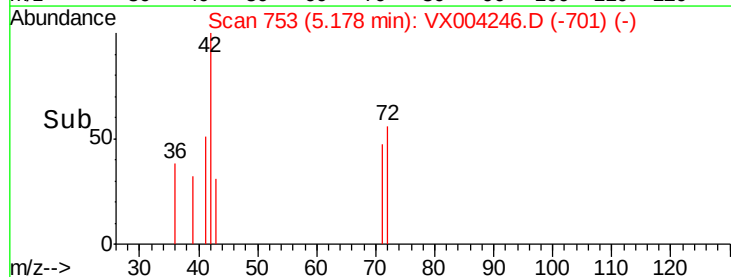
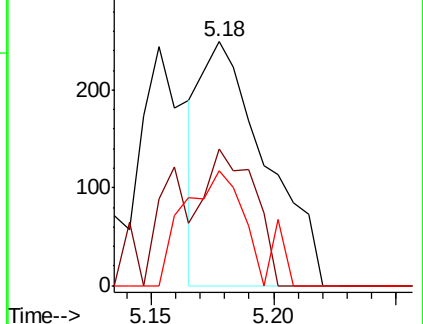
71 47.6 34.5 51.7

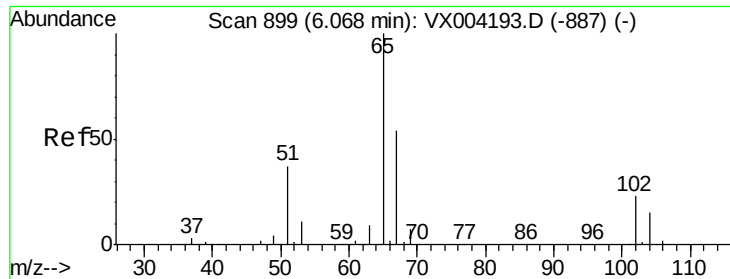


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

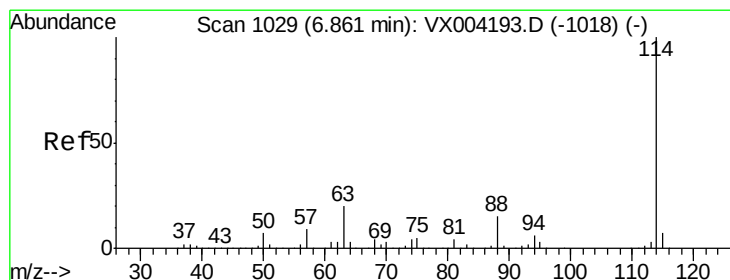
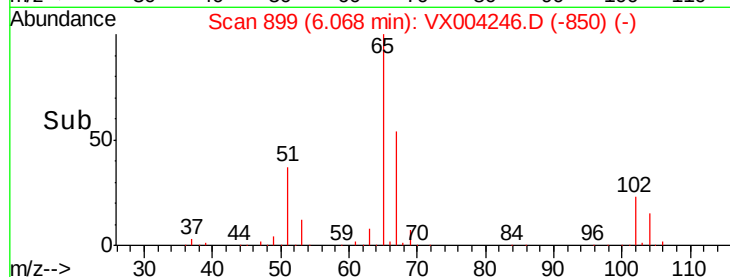
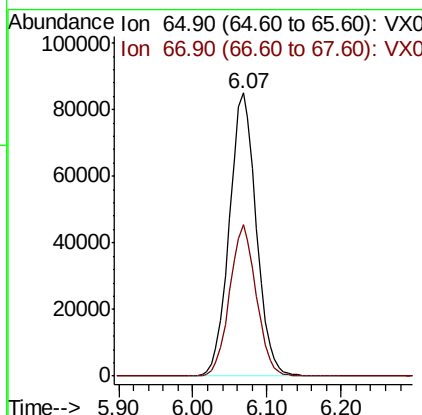
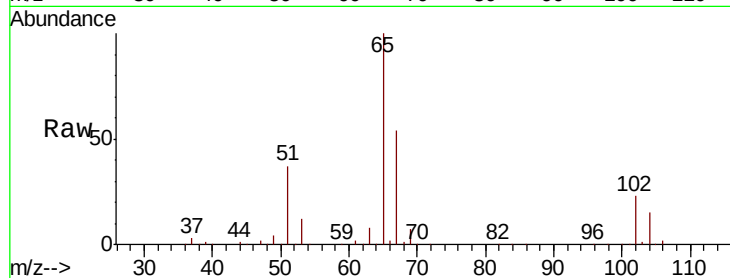




#33
 1,2-Dichloroethane-d4
 Concen: 51.02 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004246.D
 Acq: 24 Aug 2018 14:55

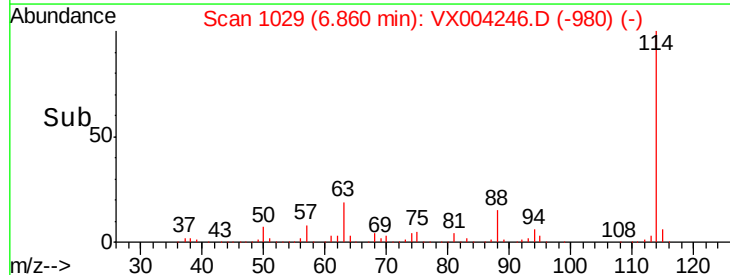
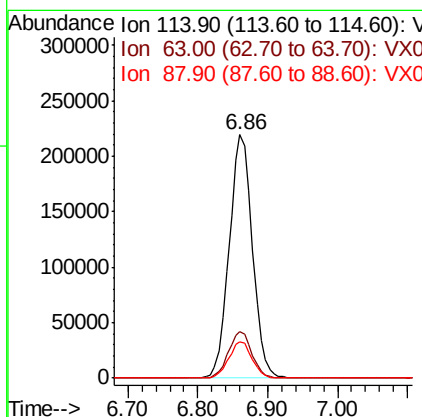
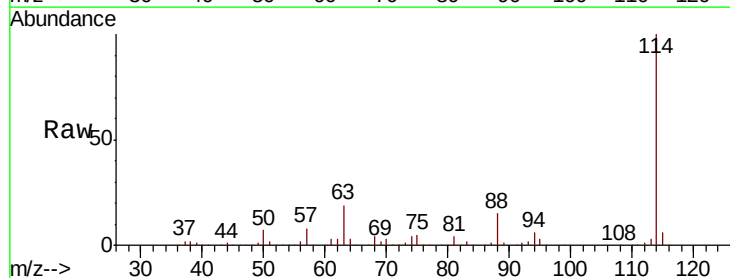
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-Q4-TB01

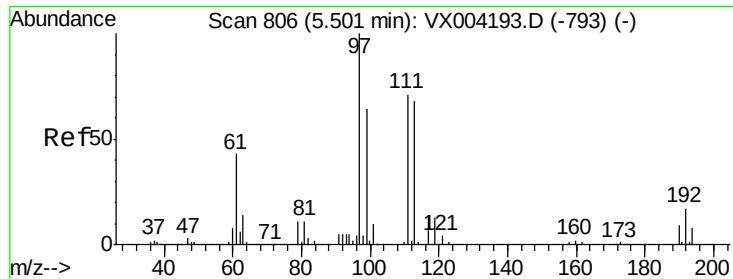
Tot Ion: 65 Resp: 215194
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004246.D
 Acq: 24 Aug 2018 14:55

Tgt Ion: 114 Resp: 505093
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.0
 88 15.1 0.0 30.4

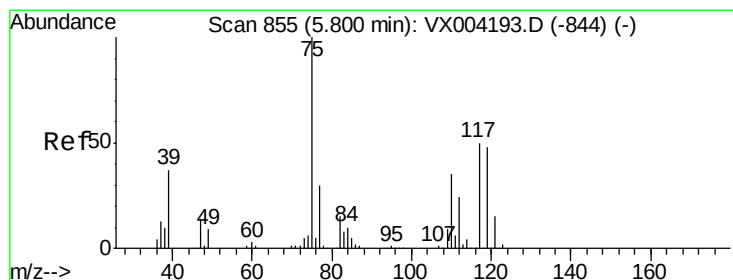
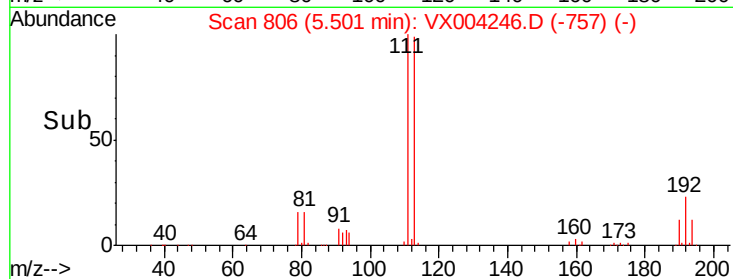
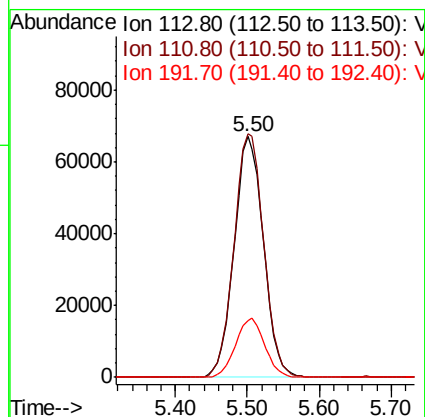
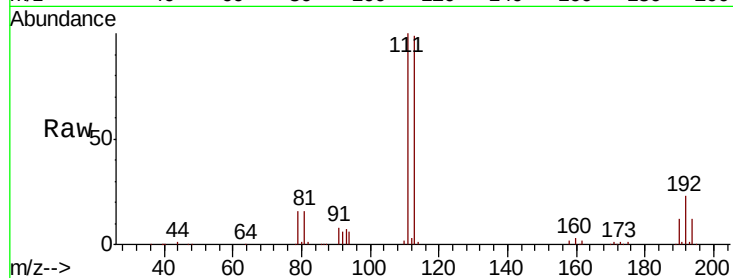




#35
 Dibromofluoromethane
 Concen: 50.35 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004246.D
 Acq: 24 Aug 2018 14:55

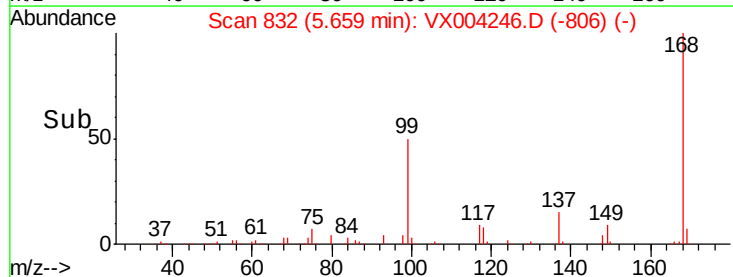
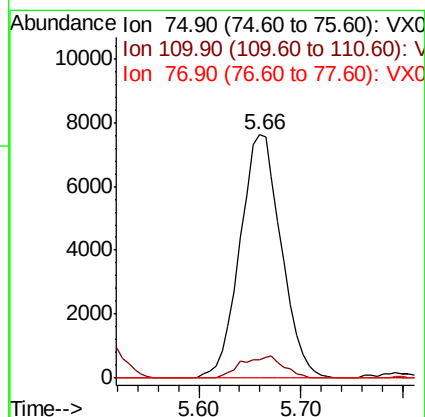
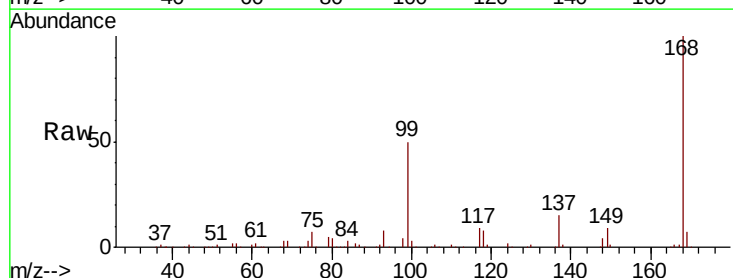
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-Q4-TB01

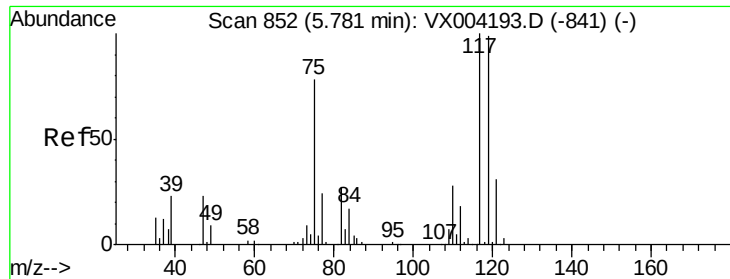
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	24.2	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 3.77 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004246.D
 Acq: 24 Aug 2018 14:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.0	54.0#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.23 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX004246.D

Acq: 24 Aug 2018 14:55

Instrument :

MSVOA_X

ClientSampled :

EP1-Q4-TB01

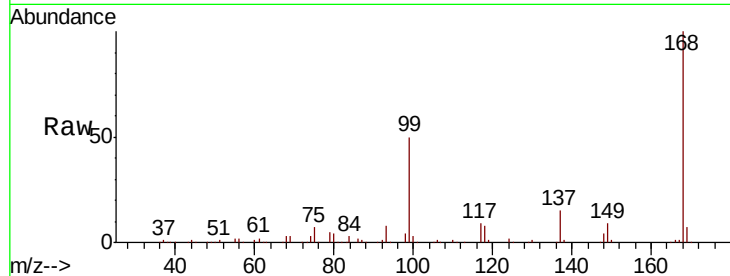
Tot Ion:117 Resp: 27959

Ion Ratio Lower Upper

117 100

119 5.9 78.8 118.2#

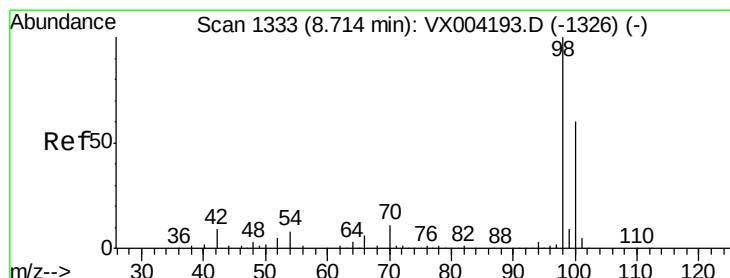
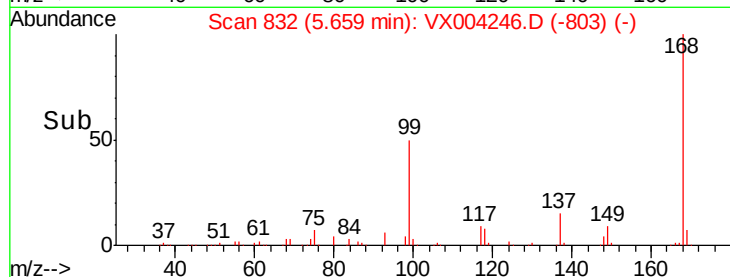
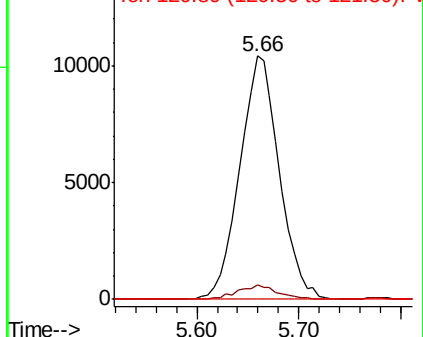
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.77 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004246.D

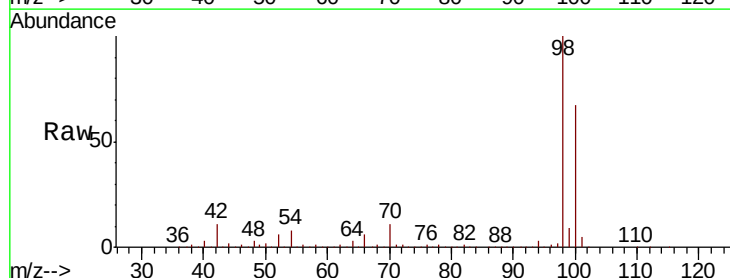
Acq: 24 Aug 2018 14:55

Tgt Ion: 98 Resp: 705928

Ion Ratio Lower Upper

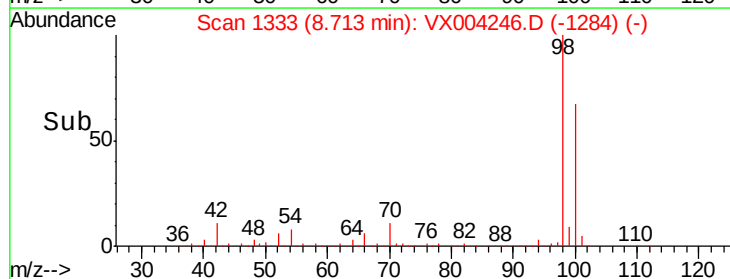
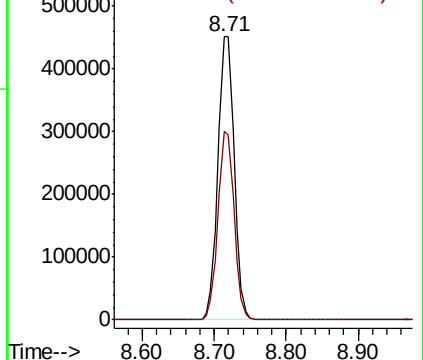
98 100

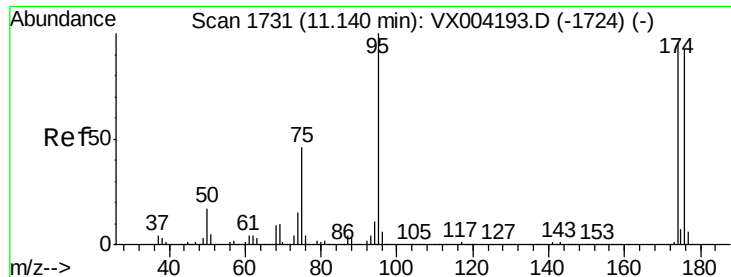
100 65.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

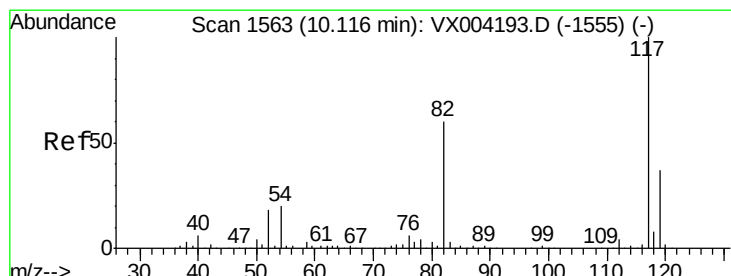
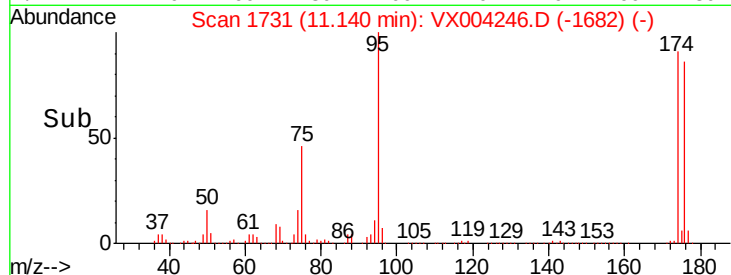
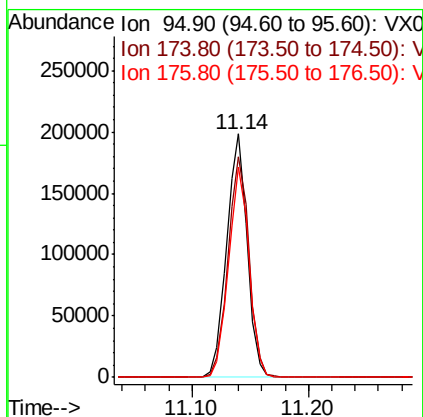
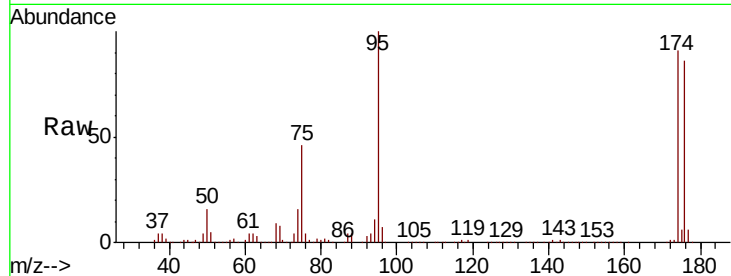




#62
4-Bromofluorobenzene
Concen: 45.78 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004246.D
Acq: 24 Aug 2018 14:55

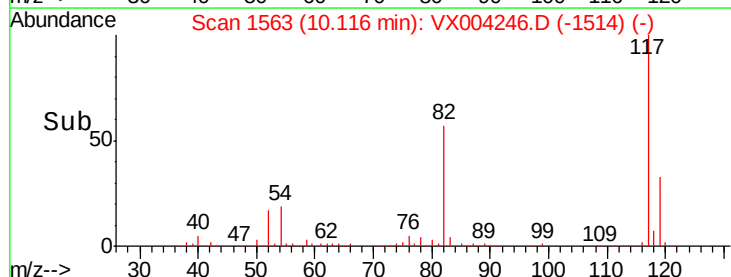
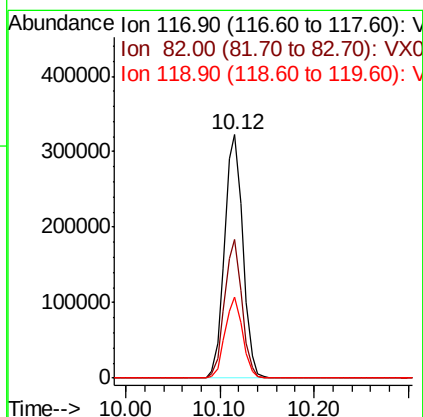
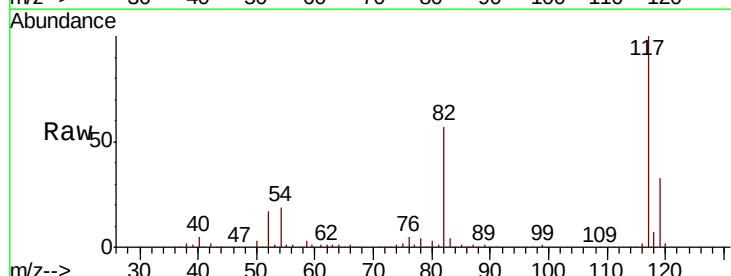
Instrument :
MSVOA_X
ClientSampled :
EP1-Q4-TB01

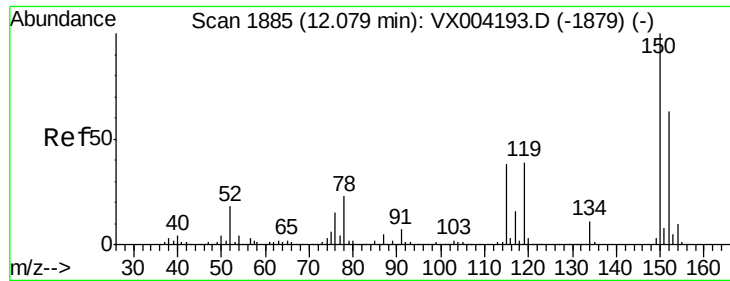
Tot Ion: 95 Resp: 242284
Ion Ratio Lower Upper
95 100
174 93.4 0.0 185.2
176 87.0 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004246.D
Acq: 24 Aug 2018 14:55

Tgt Ion: 117 Resp: 433758
Ion Ratio Lower Upper
117 100
82 56.9 47.8 71.6
119 33.3 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004246.D

Acq: 24 Aug 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

EP1-Q4-TB01

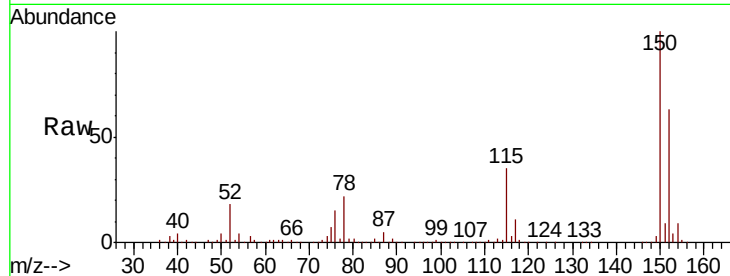
Tot Ion:152 Resp: 263944

Ion Ratio Lower Upper

152 100

115 54.6 39.0 117.0

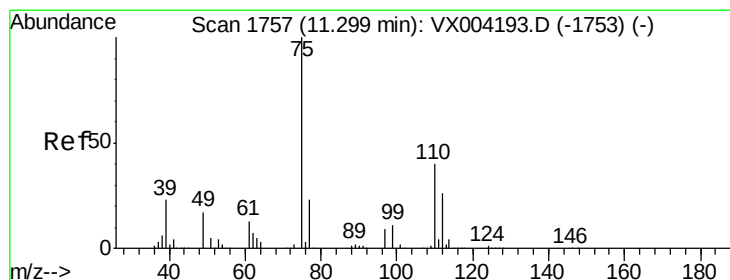
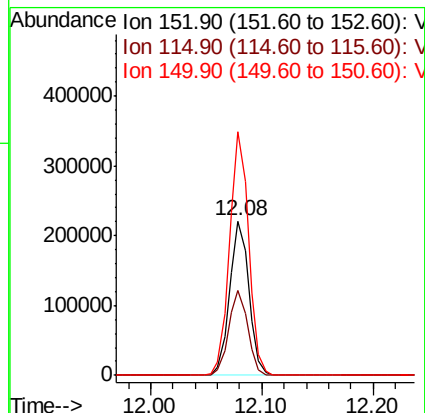
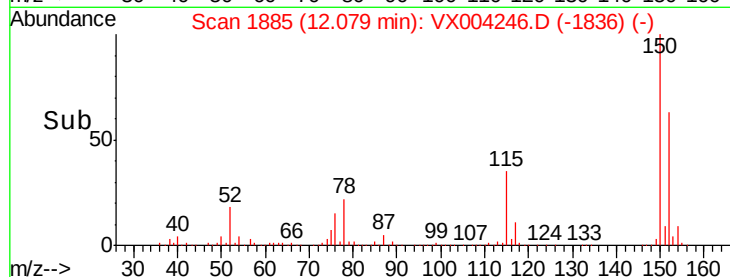
150 156.2 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004246.D

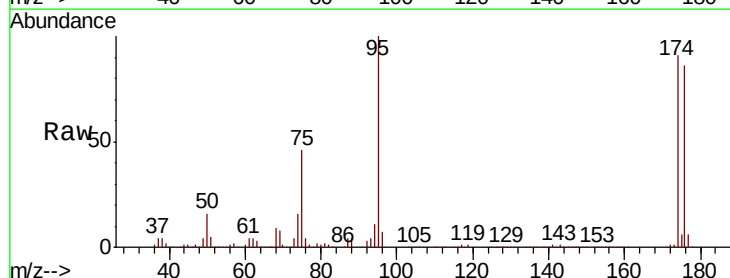
Acq: 24 Aug 2018 14:55

Tgt Ion: 75 Resp: 117757

Ion Ratio Lower Upper

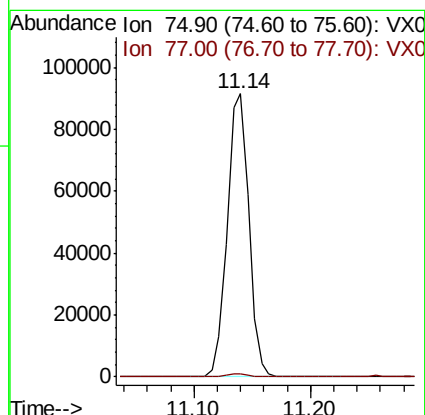
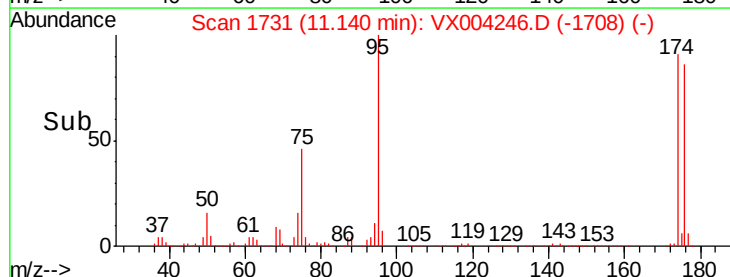
75 100

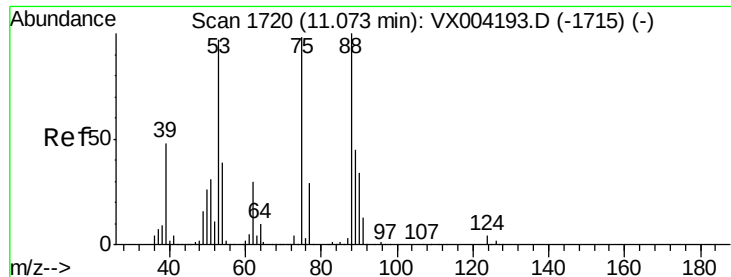
77 1.2 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 71.17 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004246.D

Acq: 24 Aug 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

EP1-Q4-TB01

Tot Ion: 75 Resp: 117757

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 37.2 55.8#

