

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004818.D
 Acq On : 28 Sep 2018 13:52
 Operator : JC/MD
 Sample : J5066-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-Q1-TB-01

Quant Time: Sep 29 06:23:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	243213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	385678	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	375244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207471	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	180995	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
35) Dibromofluoromethane	5.50	113	151846	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	
50) Toluene-d8	8.72	98	551957	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.14	95	201341	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	705	0.315	ug/l #	77
6) Chloroethane	1.66	64	5230	0.226	ug/l #	55
10) Methyl Iodide	2.51	142	1220	0.343	ug/l	98
11) Tert butyl alcohol	3.06	59	1556	1.602	ug/l #	84
13) Acrolein	2.30	56	311	0.450	ug/l	98
15) Acrylonitrile	3.15	53	634	0.296	ug/l #	76
16) Acetone	2.45	43	4042	1.993	ug/l	95
17) Carbon Disulfide	2.57	76	1829	0.231	ug/l	96
20) Methylene Chloride	2.86	84	410	Below Cal	#	53
25) 2-Butanone	4.71	43	884	0.296	ug/l #	47
29) Tetrahydrofuran	5.18	42	512	0.276	ug/l #	42
36) 1,1-Dichloropropene	5.66	75	16774	3.761	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21049	4.490	ug/l #	15
56) Ethyl methacrylate	9.18	69	77	2.875	ug/l #	26
58) 2-Chloroethyl Vinyl ether	8.32	63	94	14.273	ug/l #	45
70) Styrene	10.72	104	306	2.169	ug/l #	73
74) N-amyl acetate	10.90	43	248	1.781	ug/l #	24
76) 1,2,3-Trichloropropane	11.14	75	99072	21.305	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	452	Below Cal		83
81) trans-1,4-Dichloro-2-buten	11.14	75	99072	57.785	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.82	105	451	Below Cal		94
95) Naphthalene	13.83	128	1787	0.822	ug/l #	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004818.D

Acq: 28 Sep 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

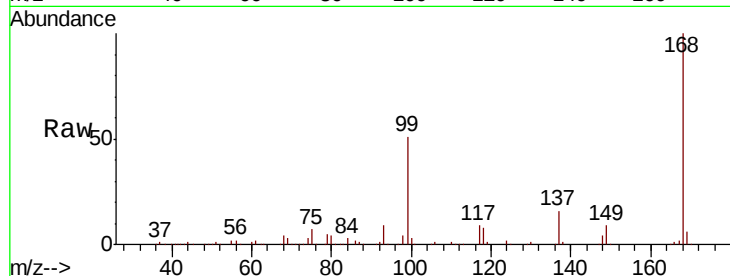
EP1-Q1-TB-01

Tot Ion:168 Resp: 243213

Ion Ratio Lower Upper

168 100

99 50.9 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

80000

60000

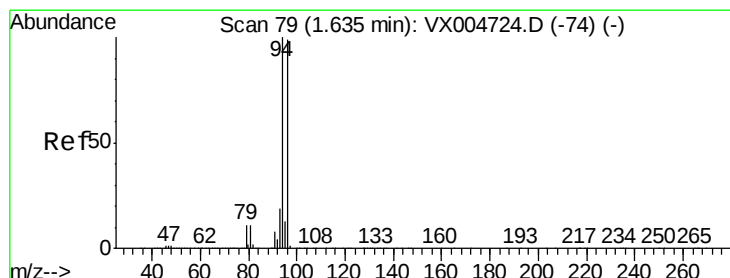
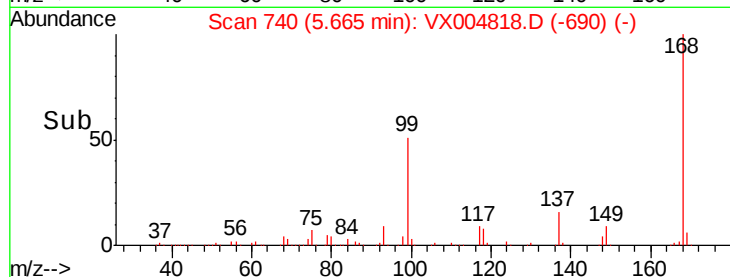
40000

20000

0

Time-->

5.60 5.80 6.00



#5

Bromomethane

Concen: 0.315 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004818.D

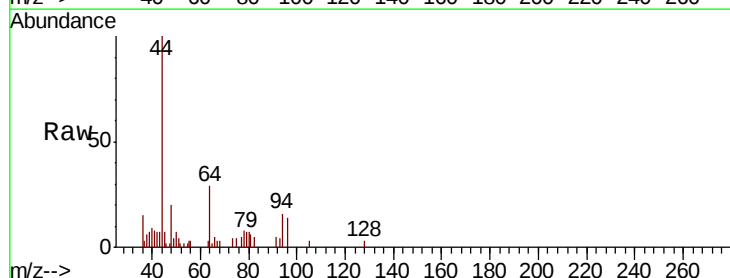
Acq: 28 Sep 2018 13:52

Tgt Ion: 94 Resp: 705

Ion Ratio Lower Upper

94 100

96 70.9 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

300

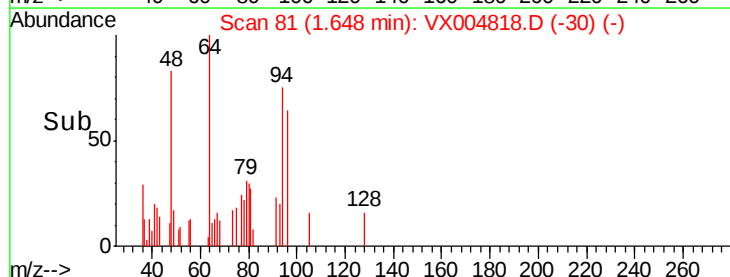
200

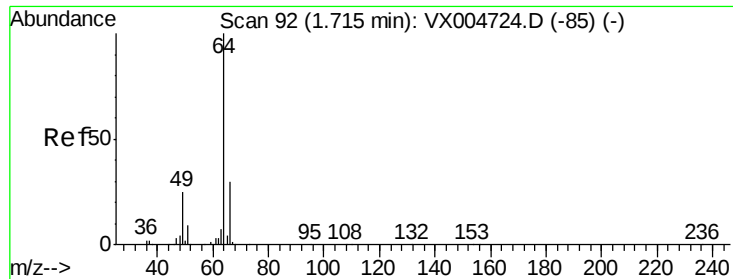
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.226 ug/l

RT: 1.66 min Scan# 83

Delta R.T. -0.05 min

Lab File: VX004818.D

Acq: 28 Sep 2018 13:52

Instrument :

MSVOA_X

ClientSampled :

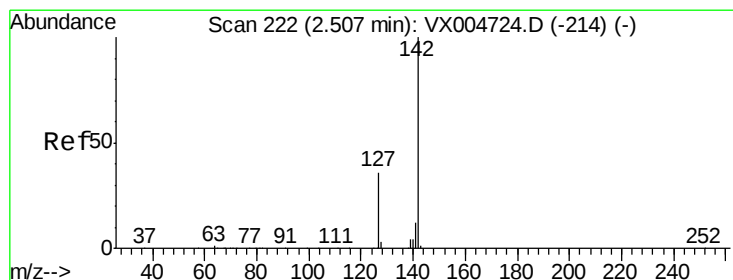
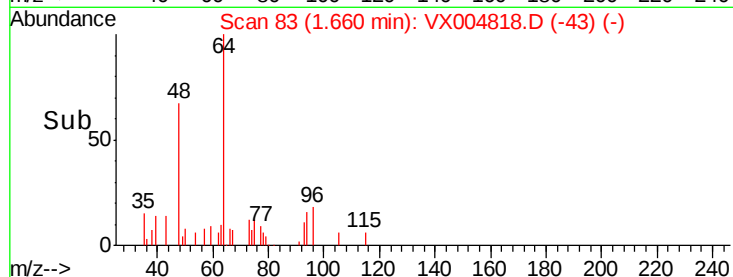
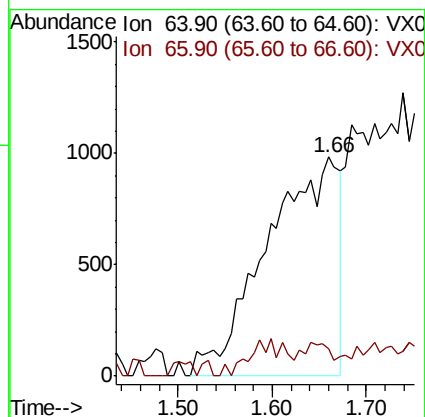
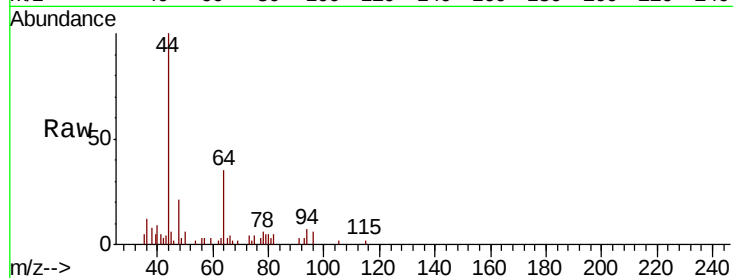
EP1-Q1-TB-01

Tot Ion: 64 Resp: 5230

Ion Ratio Lower Upper

64 100

66 5.9 24.6 36.8#



#10

Methyl Iodide

Concen: 0.343 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004818.D

Acq: 28 Sep 2018 13:52

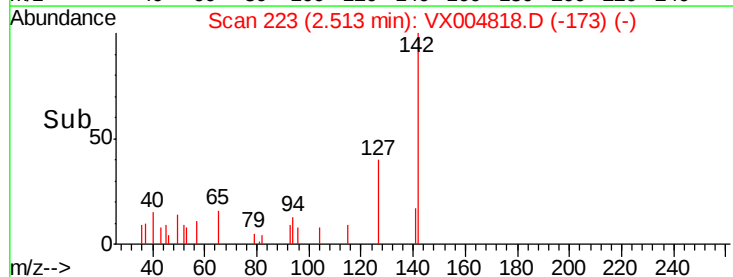
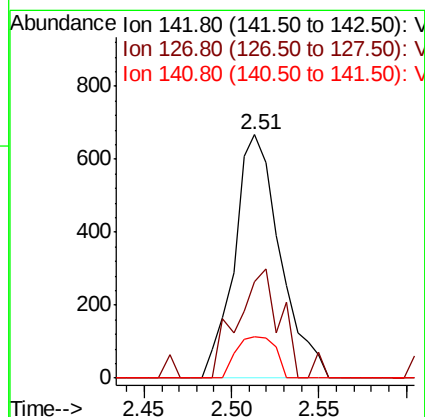
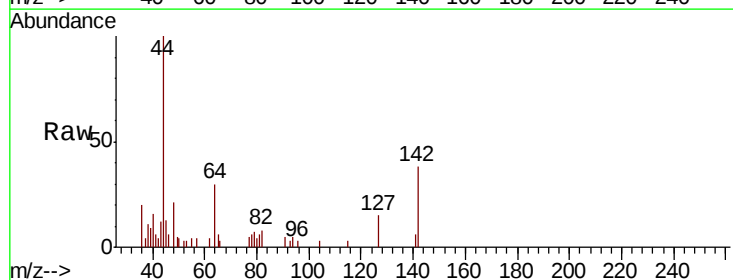
Tgt Ion: 142 Resp: 1220

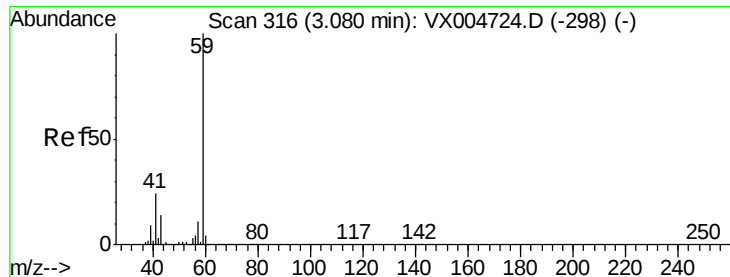
Ion Ratio Lower Upper

142 100

127 41.0 33.8 50.6

141 14.5 11.4 17.0



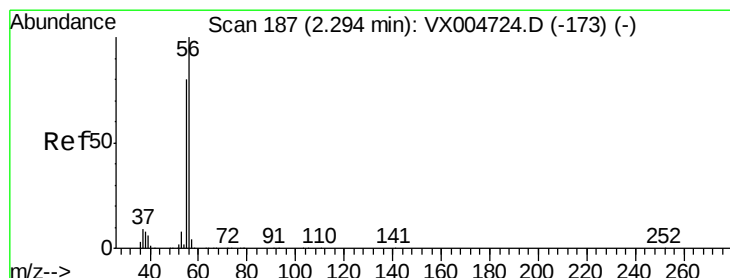
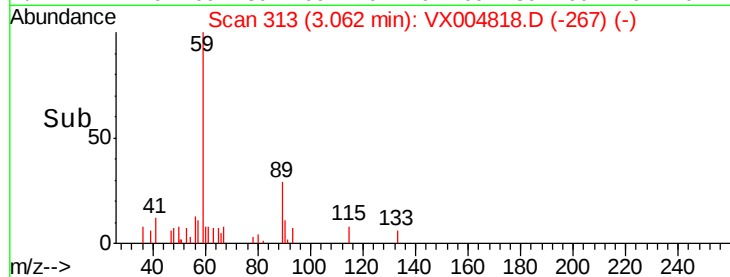
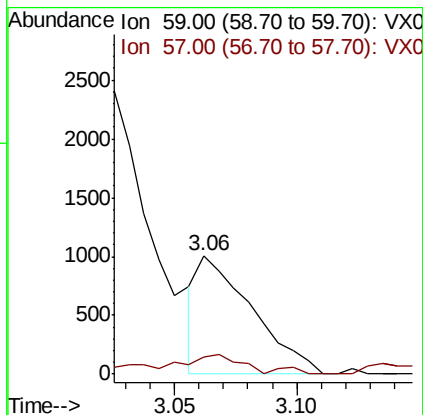
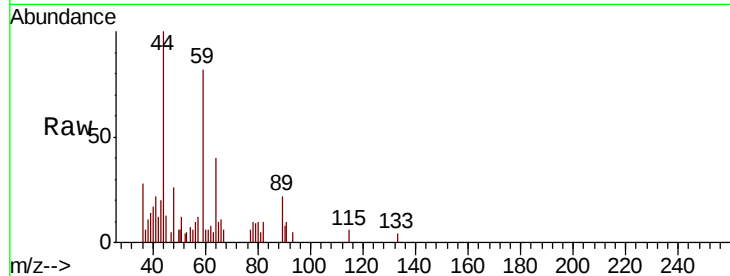


#11

Tert butyl alcohol
 Concen: 1.602 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX004818.D
 Acq: 28 Sep 2018 13:52

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-Q1-TB-01

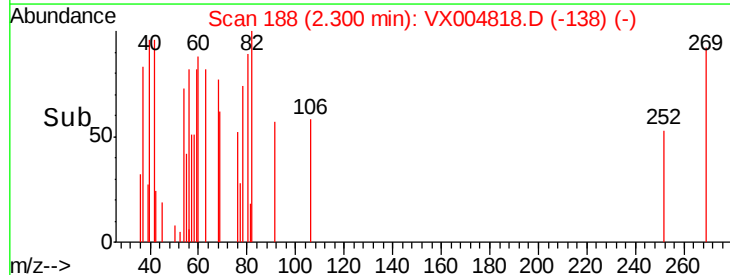
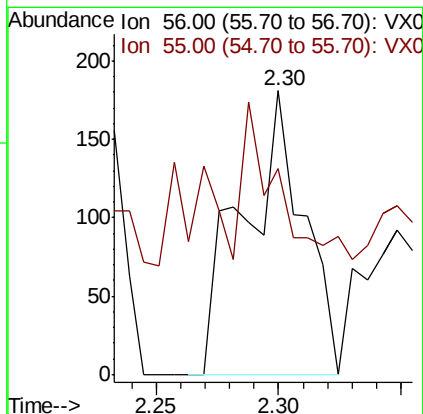
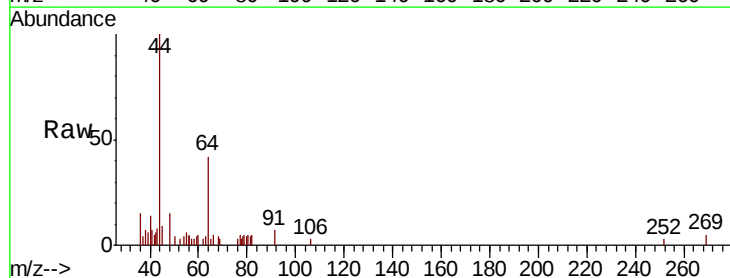
Tot Ion: 59 Resp: 1556
 Ion Ratio Lower Upper
 59 100
 57 16.3 8.2 12.4#

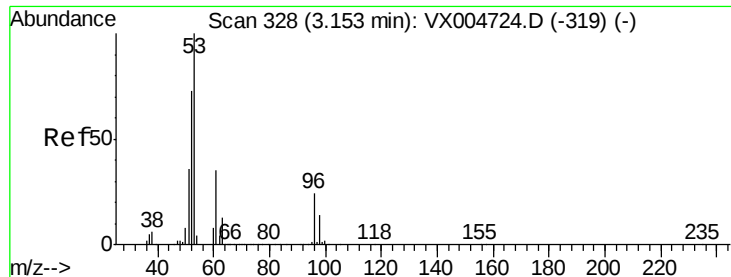


#13

Acrolein
 Concen: 0.450 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX004818.D
 Acq: 28 Sep 2018 13:52

Tgt Ion: 56 Resp: 311
 Ion Ratio Lower Upper
 56 100
 55 70.1 54.7 82.1





#15

Acrylonitrile

Concen: 0.296 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX004818.D

Acq: 28 Sep 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

EP1-Q1-TB-01

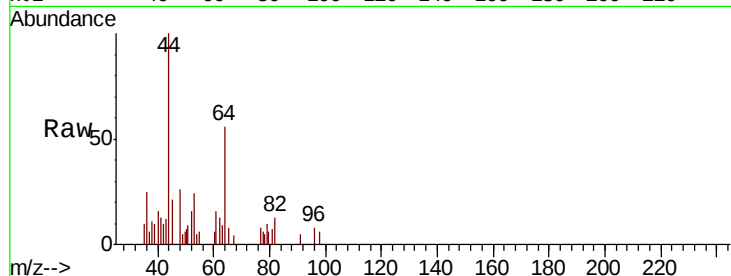
Tot Ion: 53 Resp: 634

Ion Ratio Lower Upper

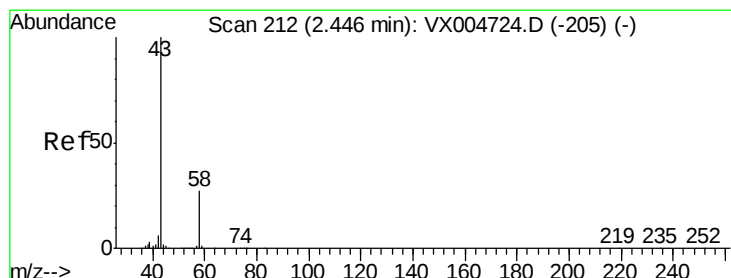
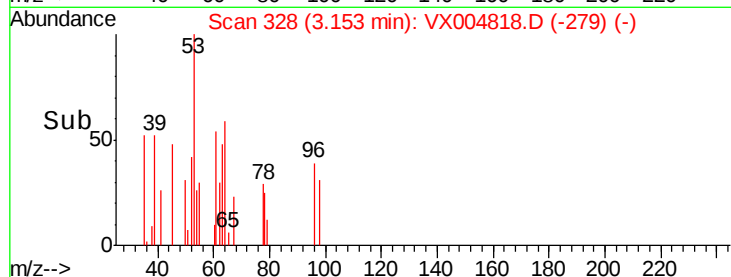
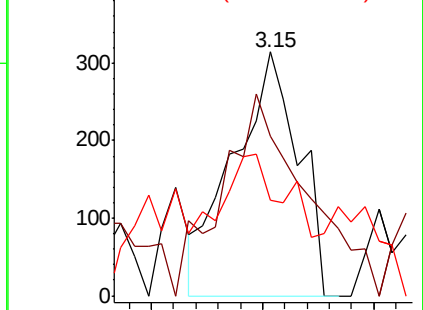
53 100

52 107.4 65.2 97.8#

51 41.5 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: 1.993 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004818.D

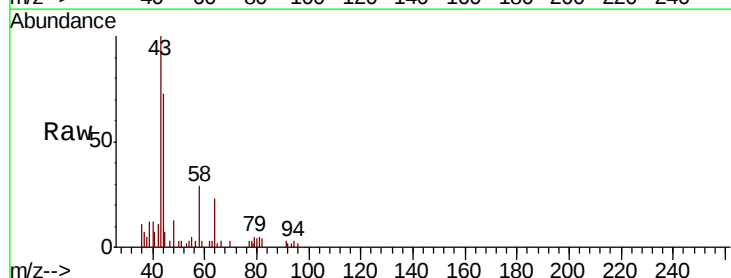
Acq: 28 Sep 2018 13:52

Tgt Ion: 43 Resp: 4042

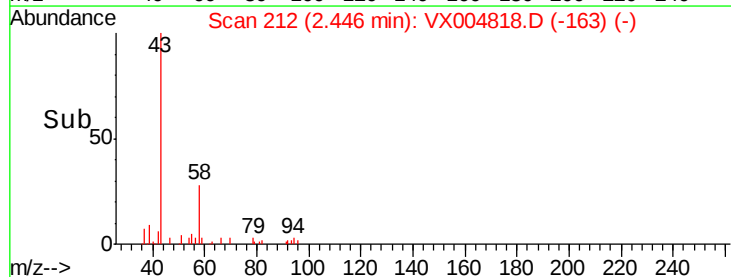
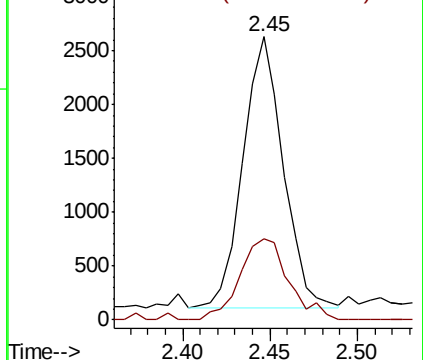
Ion Ratio Lower Upper

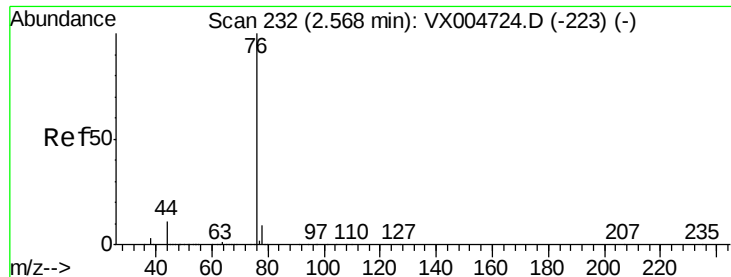
43 100

58 30.1 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: 0.231 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004818.D

Acq: 28 Sep 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

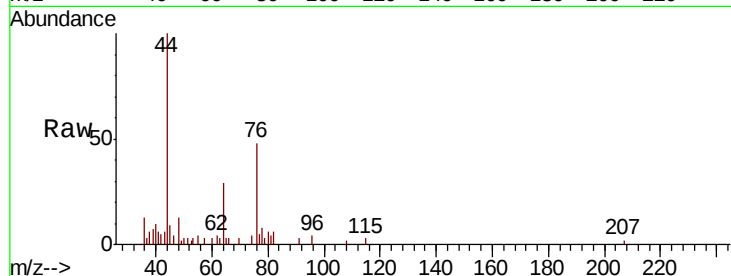
EP1-Q1-TB-01

Tot Ion: 76 Resp: 1829

Ion Ratio Lower Upper

76 100

78 7.5 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1200

1000

800

600

400

200

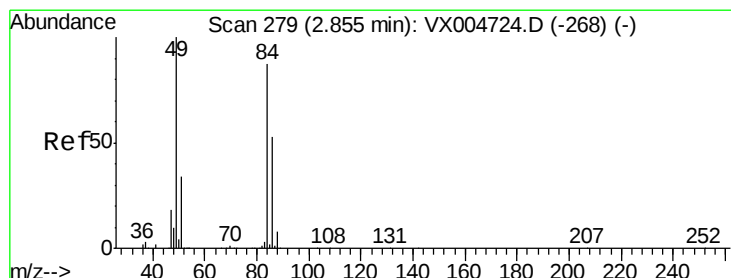
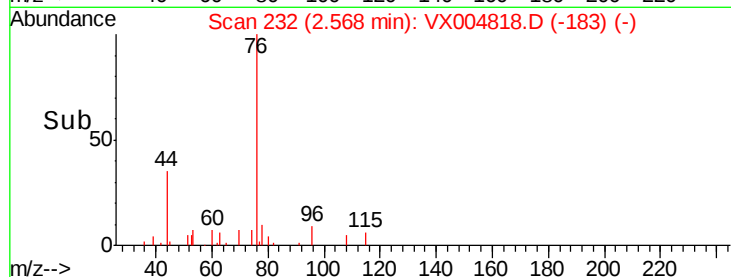
0

2.50

2.55

2.60

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004818.D

Acq: 28 Sep 2018 13:52

Tgt Ion: 84 Resp: 410

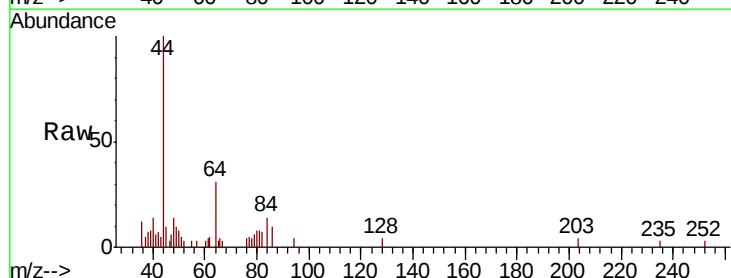
Ion Ratio Lower Upper

84 100

49 51.0 101.2 151.8#

51 8.1 29.5 44.3#

86 74.1 52.3 78.5



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

400

300

200

100

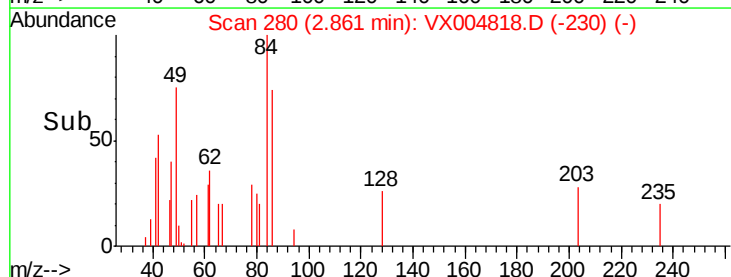
0

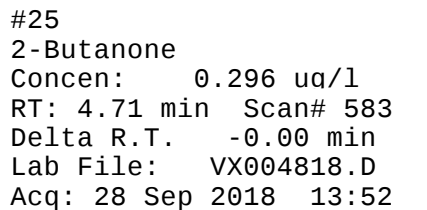
2.80

2.85

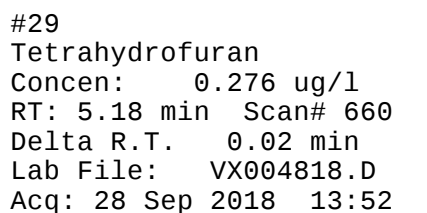
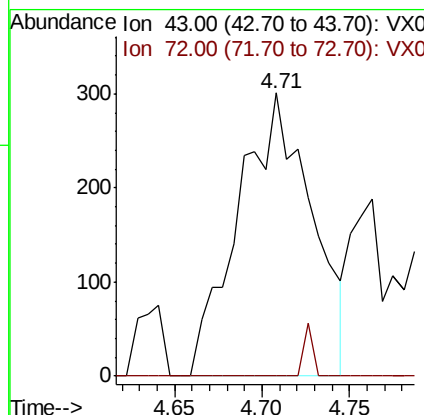
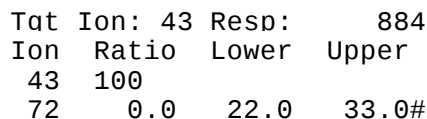
2.90

Time-->

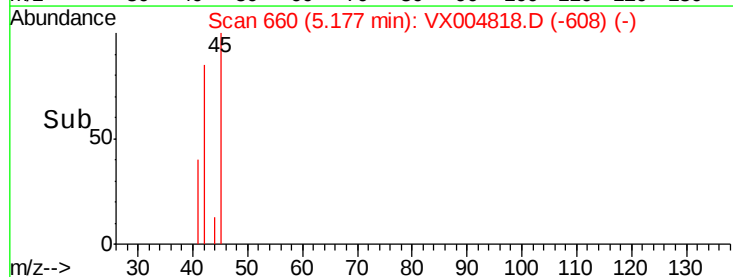
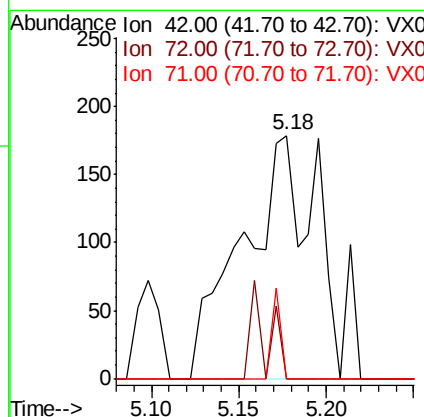


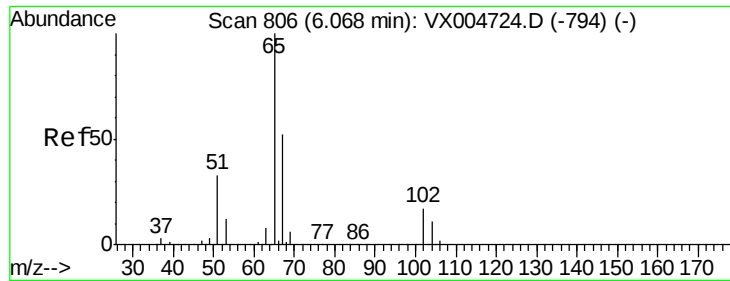


Instrument :
MSVOA_X
ClientSampleId :
EP1-O1-TB-01



Tgt	Ion: 42	Resp:	512
Ion	Ratio	Lower	Upper
42	100		
72	9.0	37.4	56.0#
71	4.9	34.5	51.7#





#33

1,2-Dichloroethane-d4

Concen: 52.095 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004818.D

Acq: 28 Sep 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

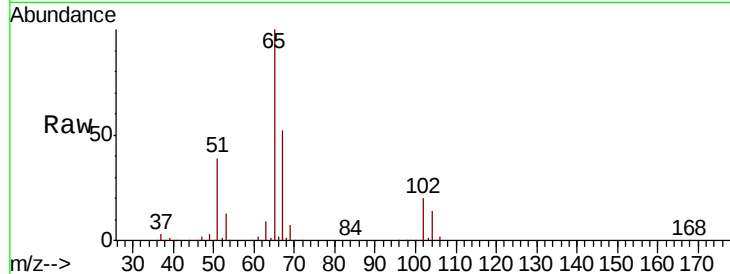
EP1-Q1-TB-01

Tot Ion: 65 Resp: 180995

Ion Ratio Lower Upper

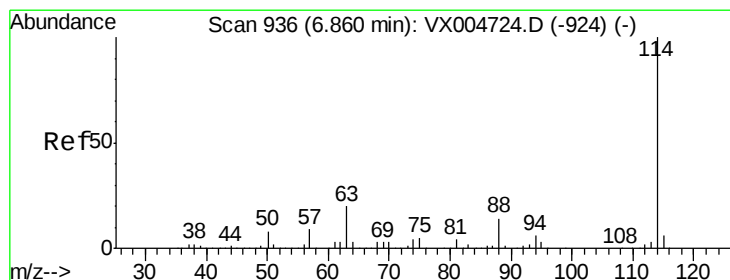
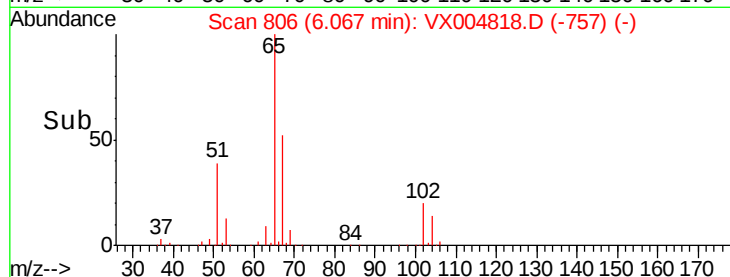
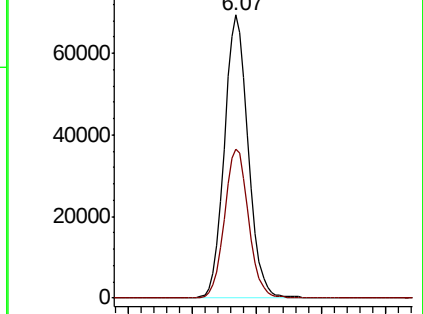
65 100

67 53.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004818.D

Acq: 28 Sep 2018 13:52

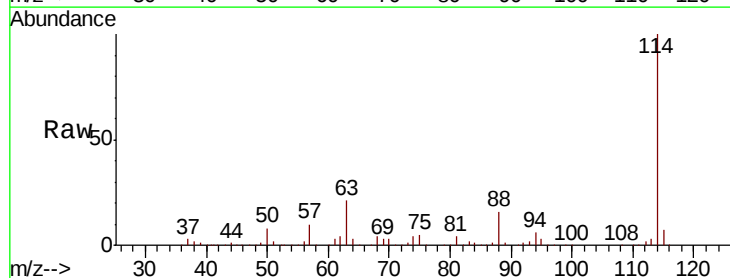
Tgt Ion: 114 Resp: 385678

Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.0

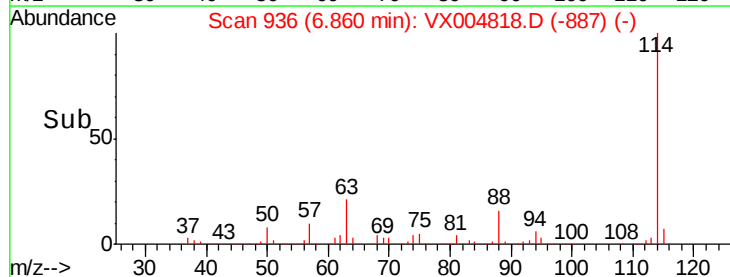
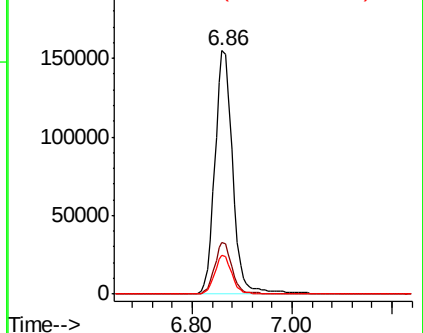
88 15.9 0.0 30.4

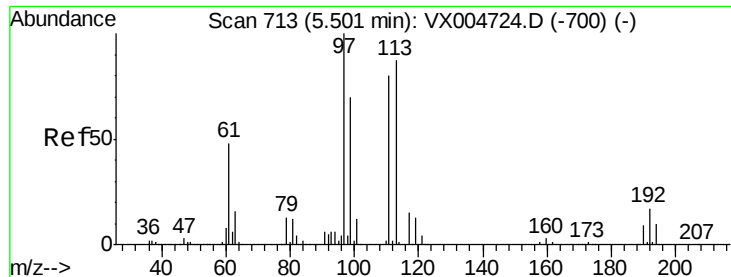


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

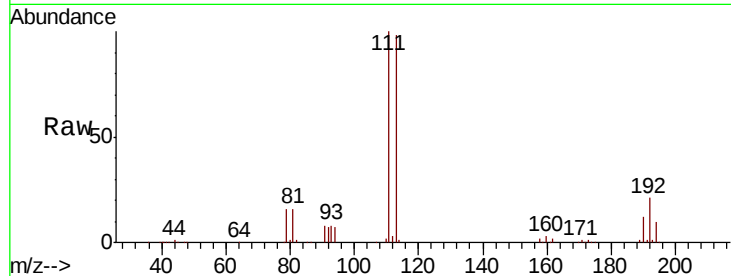




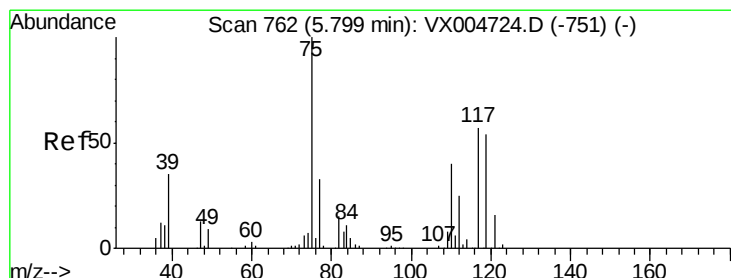
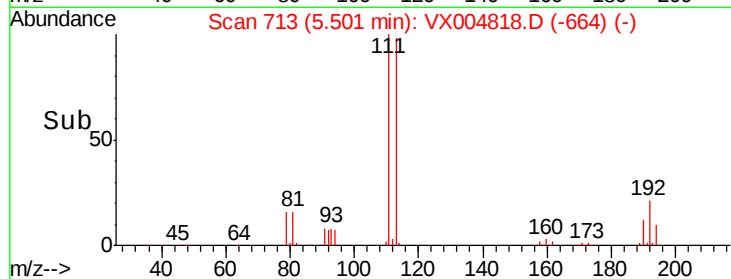
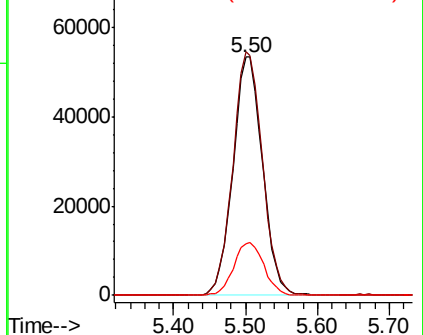
#35
 Dibromofluoromethane
 Concen: 46.455 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004818.D
 Acq: 28 Sep 2018 13:52

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-Q1-TB-01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	22.8	19.4	29.2

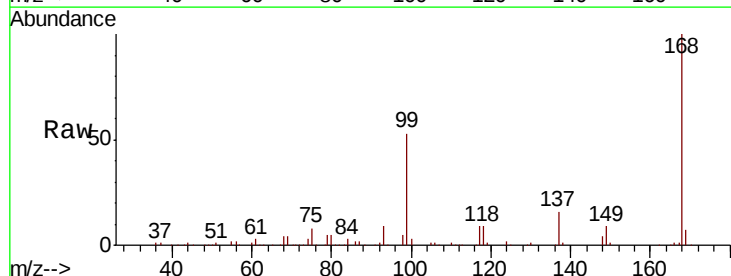


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

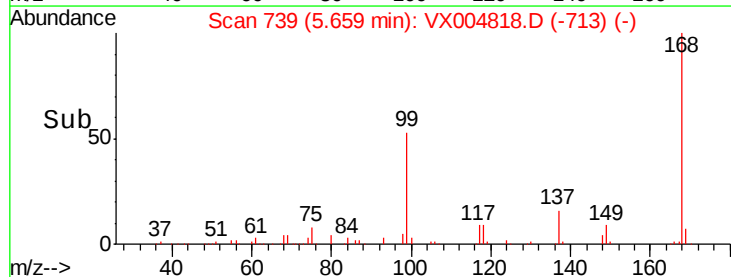
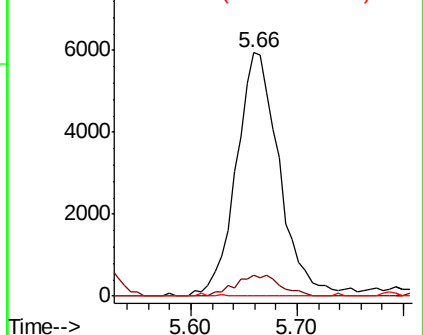


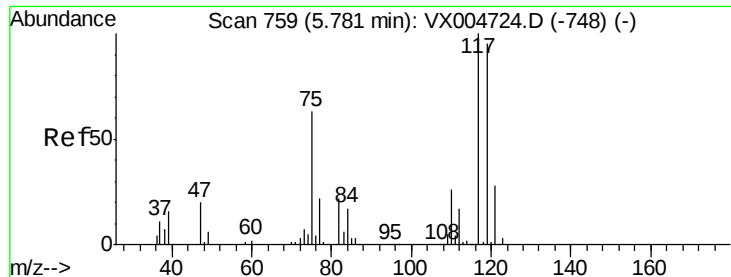
#36
 1,1-Dichloropropene
 Concen: 3.761 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004818.D
 Acq: 28 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.0	54.0#
77	0.0	24.6	36.8#



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

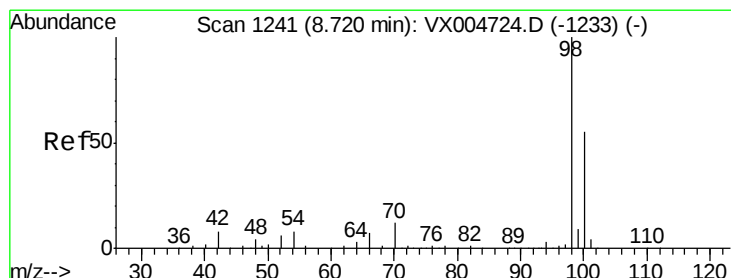
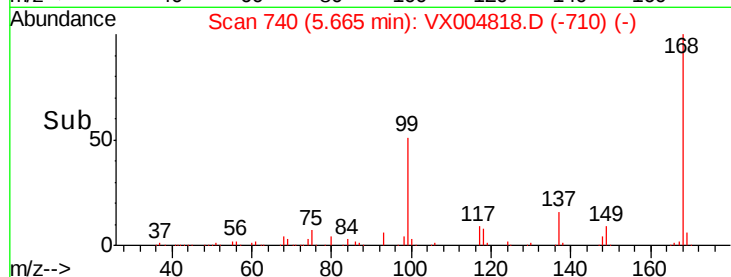
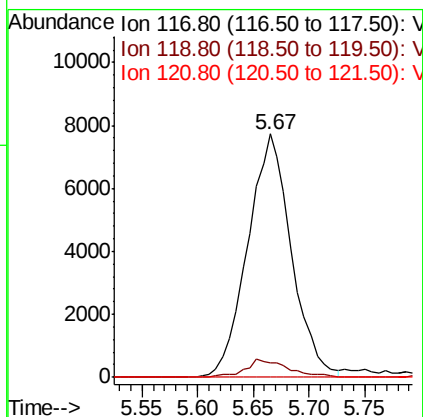
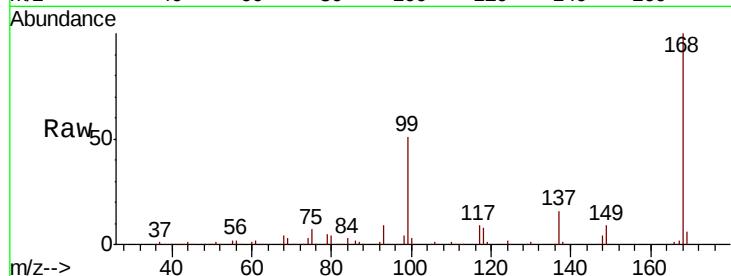




#38
Carbon Tetrachloride
Concen: 4.490 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX004818.D
Acq: 28 Sep 2018 13:52

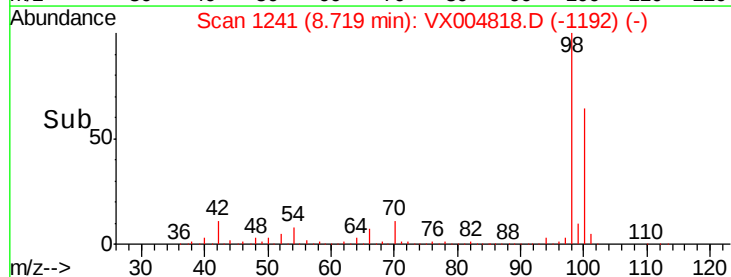
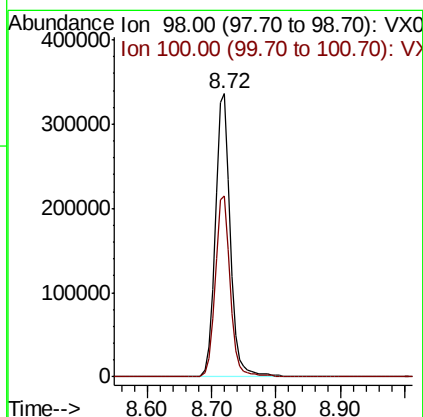
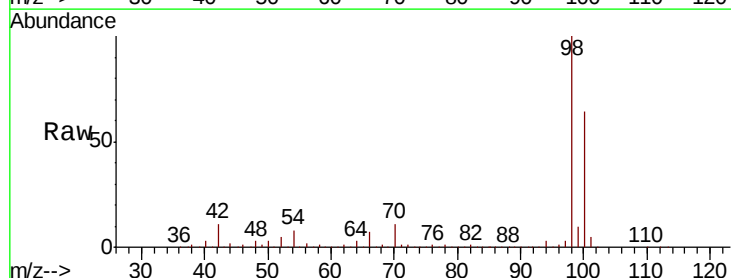
Instrument :
MSVOA_X
ClientSampleId :
EP1-Q1-TB-01

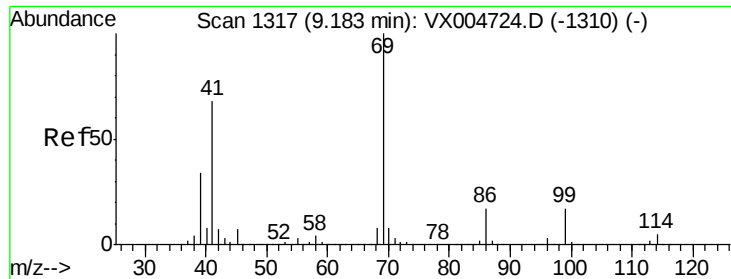
Tot Ion:117 Resp: 21049
Ion Ratio Lower Upper
117 100
119 5.7 78.8 118.2#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 50.794 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004818.D
Acq: 28 Sep 2018 13:52

Tgt Ion: 98 Resp: 551957
Ion Ratio Lower Upper
98 100
100 64.0 52.9 79.3





#56

Ethyl methacrylate

Concen: 2.875 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX004818.D

Acq: 28 Sep 2018 13:52

Instrument :

MSVOA_X

ClientSampled :

EP1-Q1-TB-01

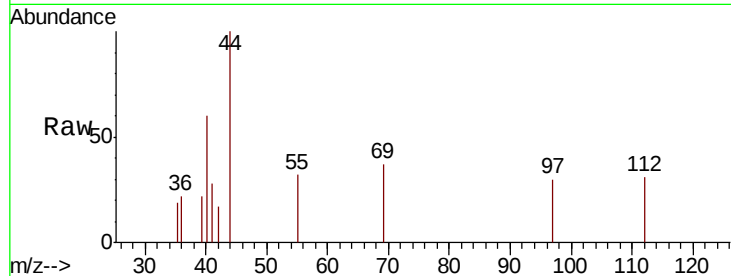
Tot Ion: 69 Resp: 77

Ion Ratio Lower Upper

69 100

41 0.0 51.0 76.4#

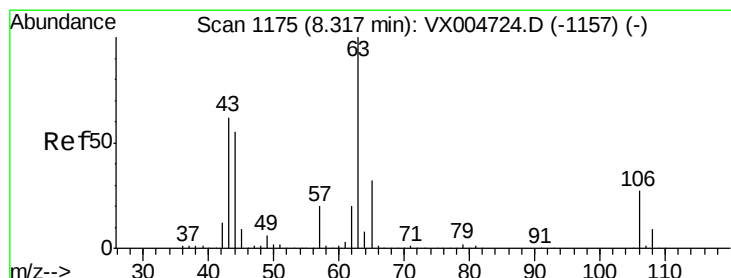
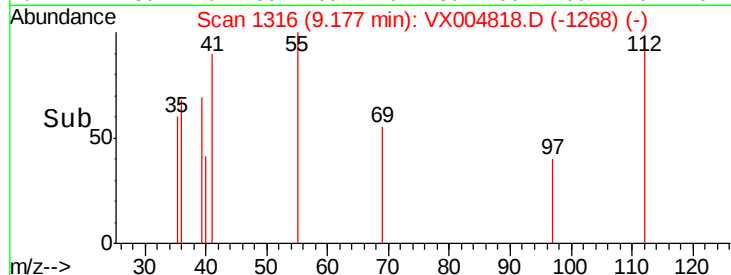
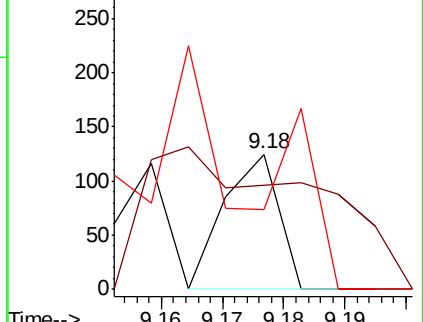
39 0.0 26.1 39.1#



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



#58

2-Chloroethyl Vinyl ether

Concen: 14.273 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004818.D

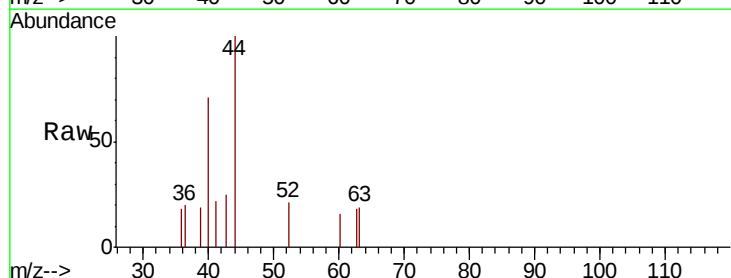
Acq: 28 Sep 2018 13:52

Tgt Ion: 63 Resp: 94

Ion Ratio Lower Upper

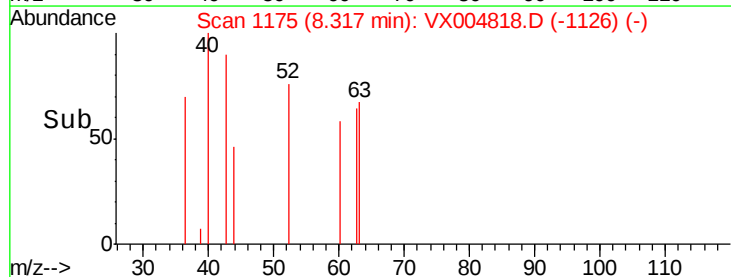
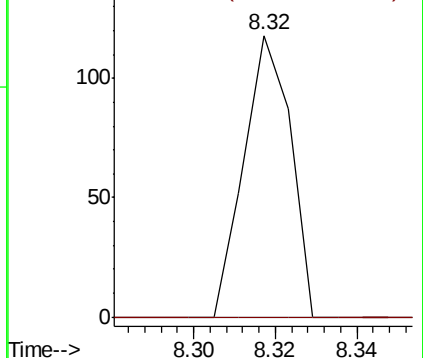
63 100

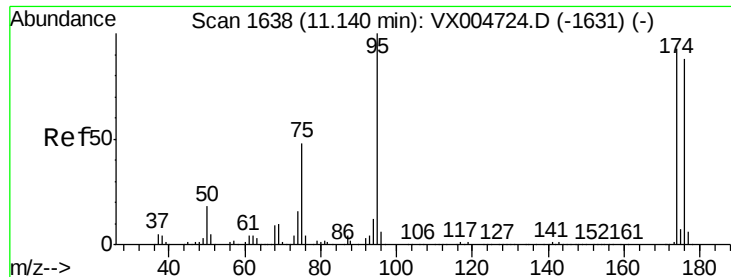
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

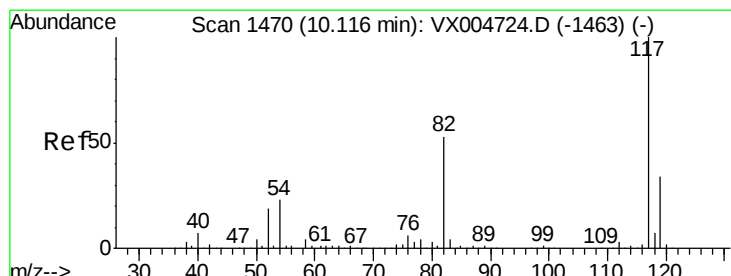
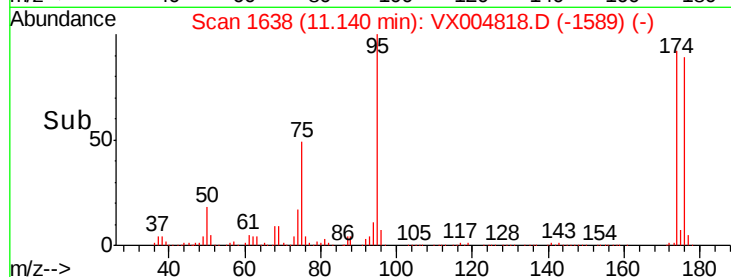
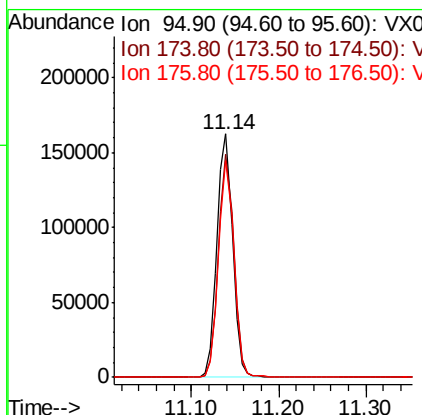
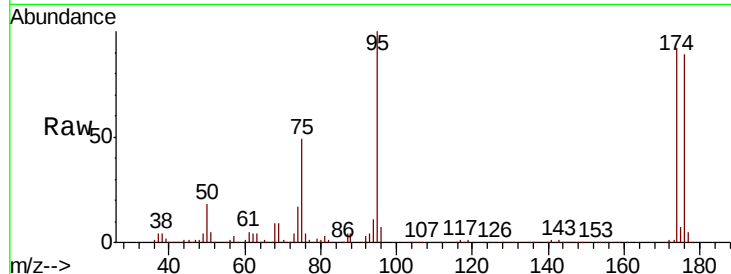




#62
4-Bromofluorobenzene
Concen: 51.431 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004818.D
Acq: 28 Sep 2018 13:52

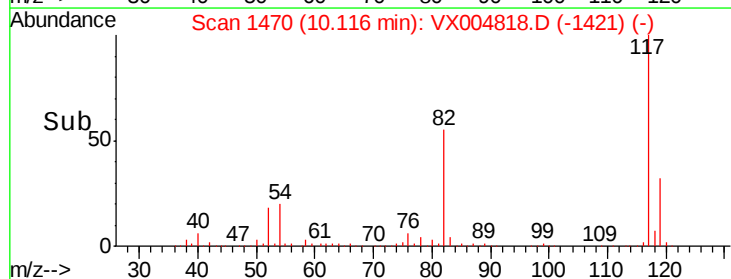
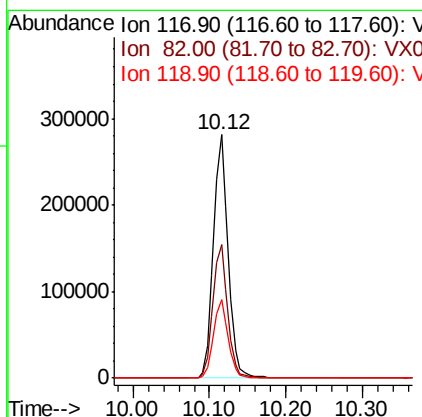
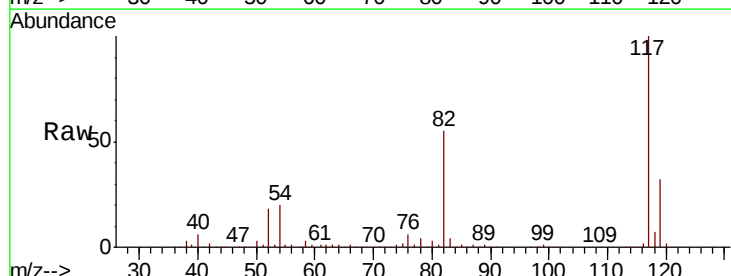
Instrument :
MSVOA_X
ClientSampleId :
EP1-Q1-TB-01

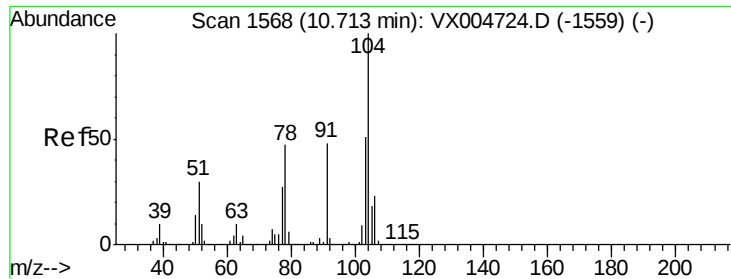
Tot Ion: 95 Resp: 201341
Ion Ratio Lower Upper
95 100
174 90.7 0.0 185.2
176 87.4 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004818.D
Acq: 28 Sep 2018 13:52

Tgt Ion: 117 Resp: 375244
Ion Ratio Lower Upper
117 100
82 54.9 47.8 71.6
119 32.1 29.3 43.9

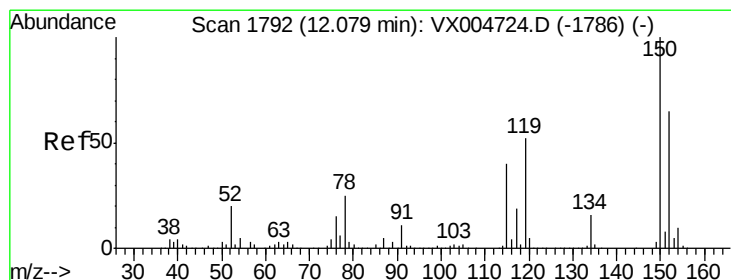
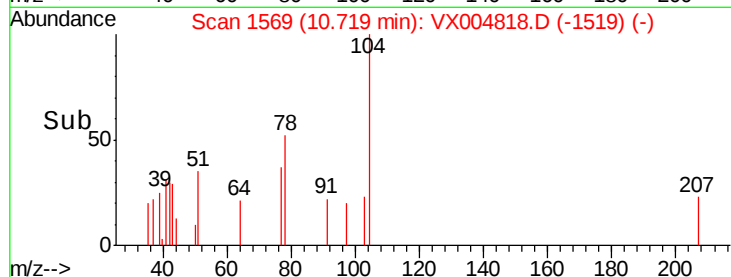
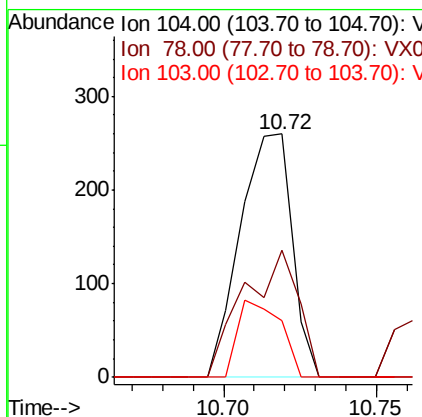
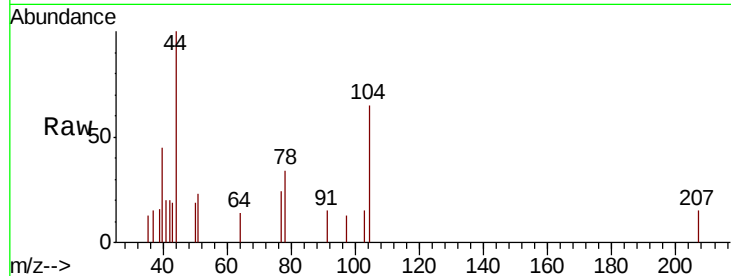




#70
Stvrene
Concen: 2.169 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX004818.D
Acq: 28 Sep 2018 13:52

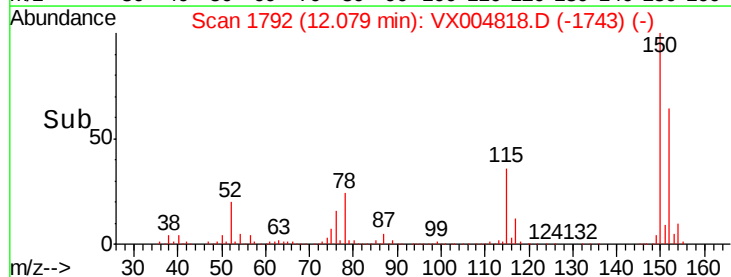
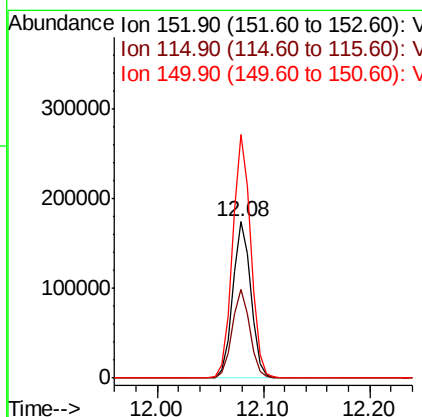
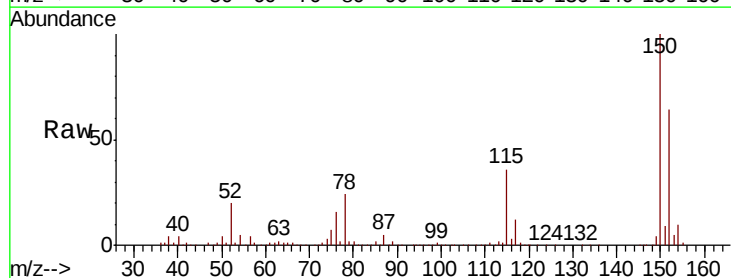
Instrument :
MSVOA_X
ClientSampleId :
EP1-Q1-TB-01

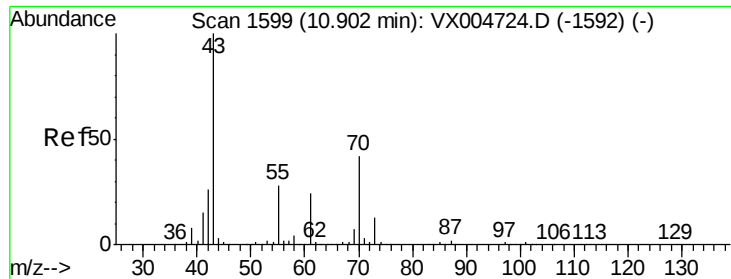
Tot Ion:104 Resp: 306
Ion Ratio Lower Upper
104 100
78 54.6 37.4 56.0
103 25.8 43.8 65.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004818.D
Acq: 28 Sep 2018 13:52

Tgt Ion:152 Resp: 207471
Ion Ratio Lower Upper
152 100
115 56.0 39.0 117.0
150 156.6 0.0 351.0





#74

N-amvl acetate

Concen: 1.781 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004818.D

Acq: 28 Sep 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

EP1-Q1-TB-01

Tot Ion: 43 Resp: 248

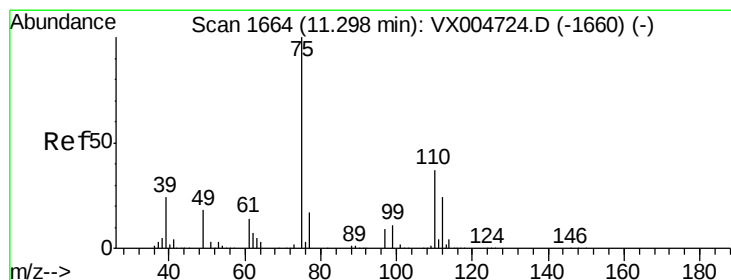
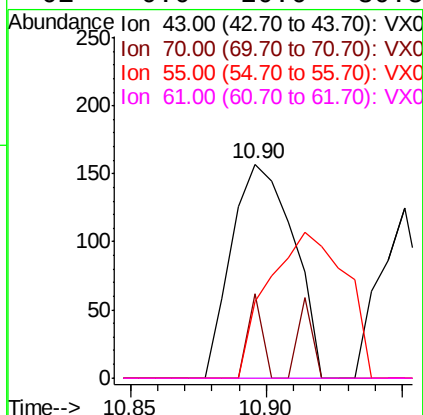
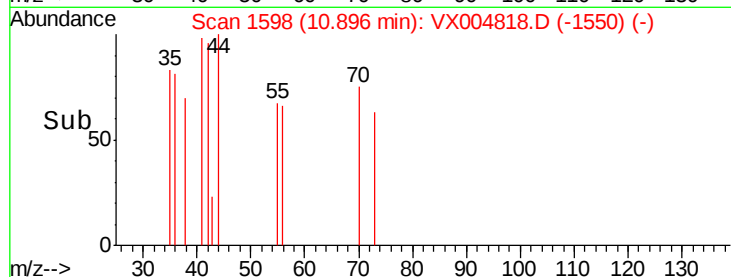
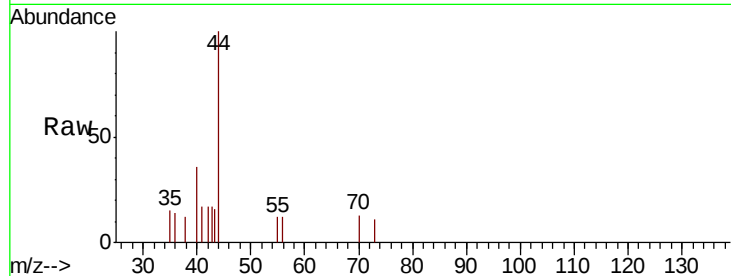
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 85.1 21.8 32.8#

61 0.0 20.6 30.8#



#76

1,2,3-Trichloropropane

Concen: 21.305 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004818.D

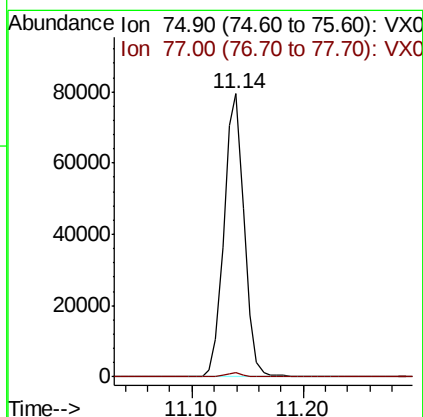
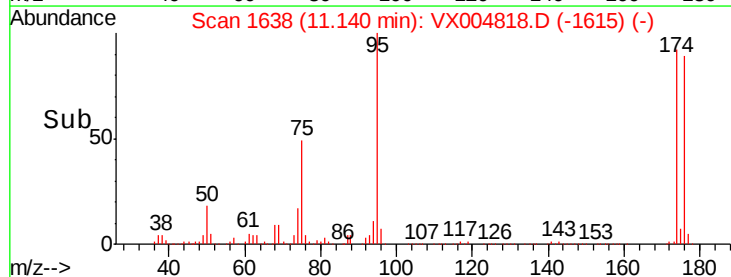
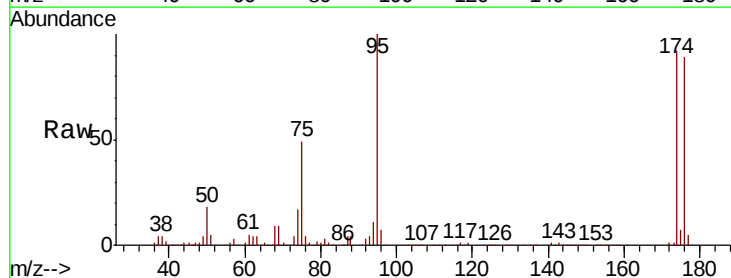
Acq: 28 Sep 2018 13:52

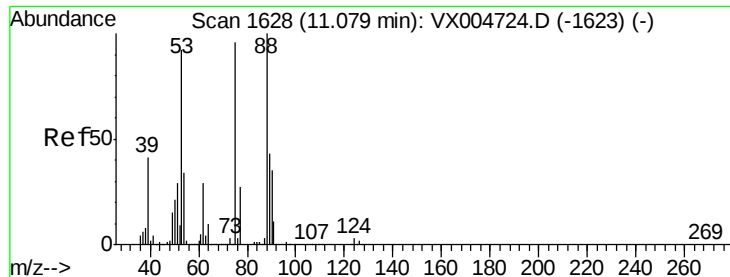
Tgt Ion: 75 Resp: 99072

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 57.785 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004818.D

Acq: 28 Sep 2018 13:52

Instrument :

MSVOA_X

ClientSampled :

EP1-Q1-TB-01

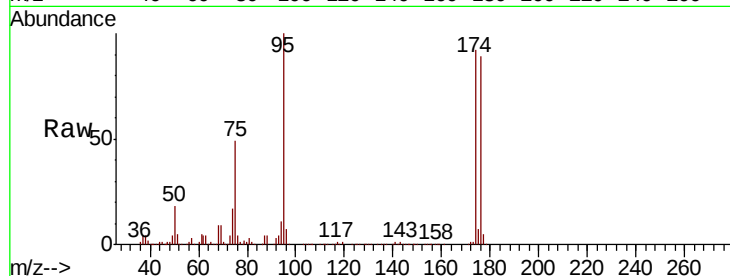
Tot Ion: 75 Resp: 99072

Ion Ratio Lower Upper

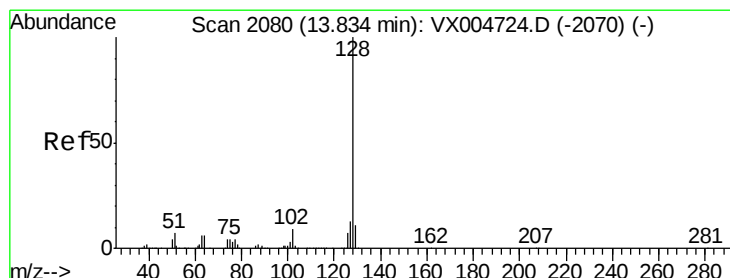
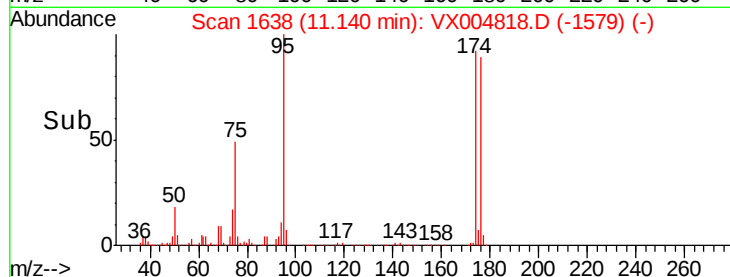
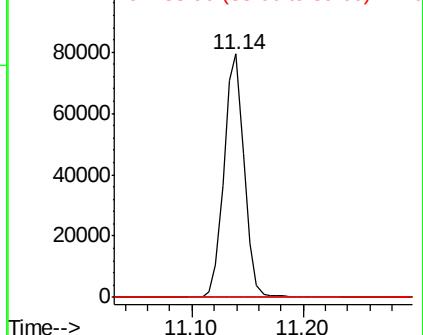
75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 0.822 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004818.D

Acq: 28 Sep 2018 13:52

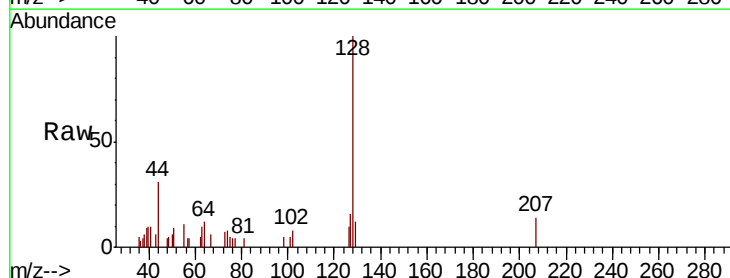
Tgt Ion: 128 Resp: 1787

Ion Ratio Lower Upper

128 100

127 16.7 10.2 15.2#

129 14.3 8.6 12.8#



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

