

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090518\
 Data File : VX004374.D
 Acq On : 05 Sep 2018 17:08
 Operator : JC/MD
 Sample : J4803-22
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-Q2-TB-01

Quant Time: Sep 06 00:51:41 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	5.66	168	302404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	471851	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	444251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	269277	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	200368	50.84	ug/l	0.00
Spiked Amount						
			Recovery	=	101.68%	
35) Dibromofluoromethane	5.50	113	174832	49.81	ug/l	0.00
Spiked Amount						
			Recovery	=	99.62%	
50) Toluene-d8	8.71	98	666987	50.34	ug/l	0.00
Spiked Amount						
			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	11.14	95	250737	50.72	ug/l	0.00
Spiked Amount						
			Recovery	=	101.44%	

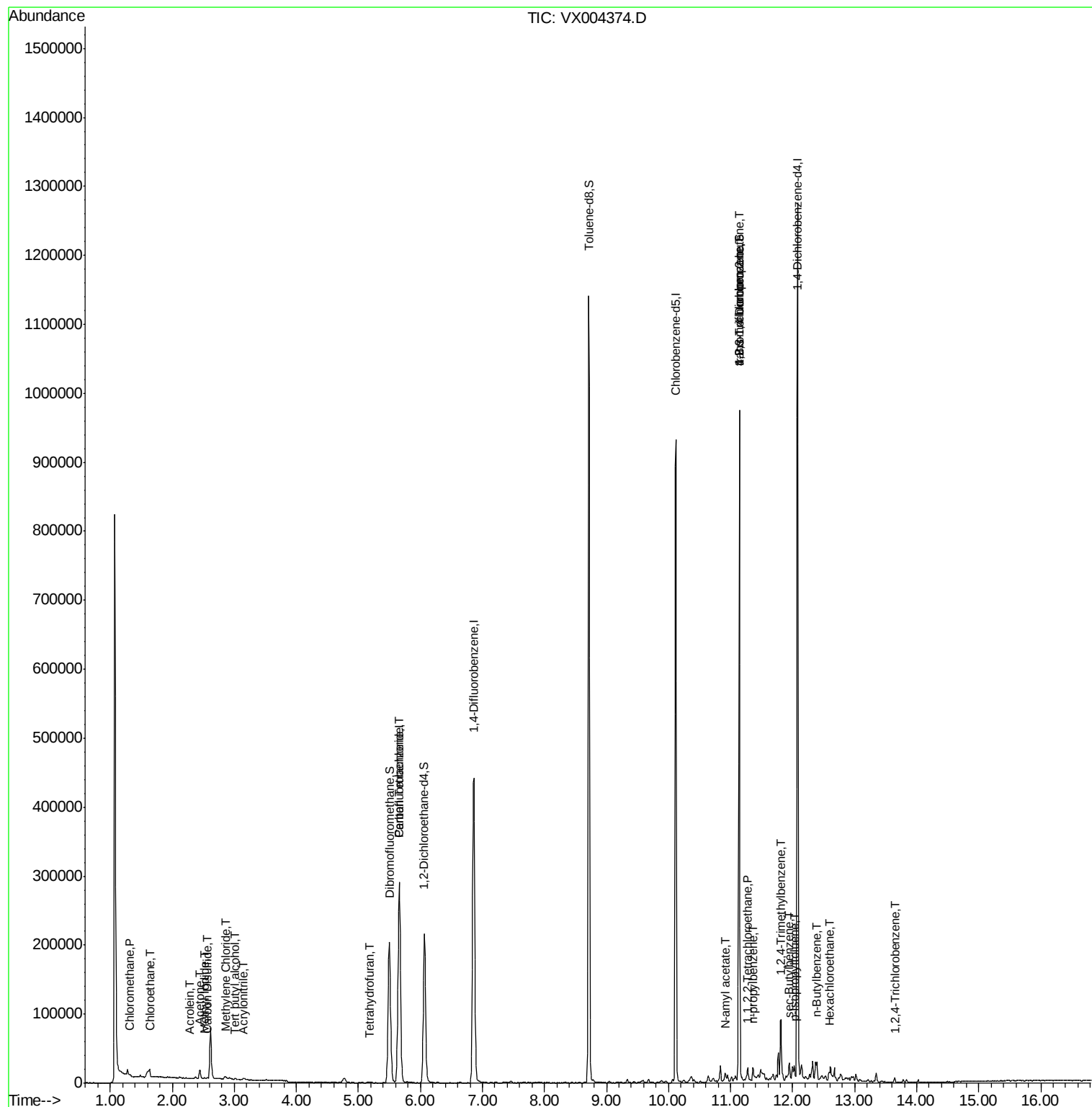
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	879	0.52	ug/l	97
5) Bromomethane	1.64	94	1526	Below Cal		86
6) Chloroethane	1.65	64	4567	2.39	ug/l #	62
10) Methyl Iodide	2.51	142	1319	4.58	ug/l #	92
11) Tert butyl alcohol	3.01	59	1196	1.42	ug/l #	77
13) Acrolein	2.28	56	126	0.62	ug/l #	1
15) Acrylonitrile	3.14	53	698	0.34	ug/l #	65
16) Acetone	2.44	43	14074	0.70	ug/l	98
17) Carbon Disulfide	2.56	76	2404	1.06	ug/l #	93
20) Methylene Chloride	2.85	84	1808	0.48	ug/l	97
25) 2-Butanone	4.71	43	1013	Below Cal	#	81
29) Tetrahydrofuran	5.18	42	732	0.43	ug/l #	80
38) Carbon Tetrachloride	5.66	117	25808	5.17	ug/l #	16
74) N-amyl acetate	10.91	43	1408	0.21	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	1419	0.23	ug/l #	39
76) 1,2,3-Trichloropropane	11.13	75	117221	21.40	ug/l #	37
78) n-propylbenzene	11.36	91	10132	0.50	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	117221	69.45	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	38031	2.53	ug/l	98
85) sec-Butylbenzene	11.94	105	6325	0.36	ug/l	83
86) p-Isopropyltoluene	12.02	119	4832	0.31	ug/l	94
89) n-Butylbenzene	12.39	91	8910	0.70	ug/l #	77
90) Hexachloroethane	12.59	117	574	0.26	ug/l #	3
93) 1,2,4-Trichlorobenzene	13.65	180	1472	0.24	ug/l	94

(#) = 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: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004374.D

Acq: 05 Sep 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

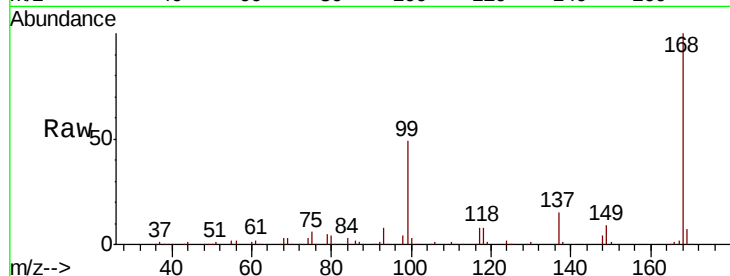
EP1-Q2-TB-01

Tot Ion:168 Resp: 302404

Ion Ratio Lower Upper

168 100

99 49.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

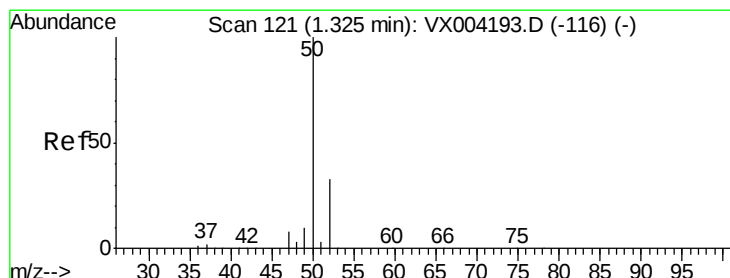
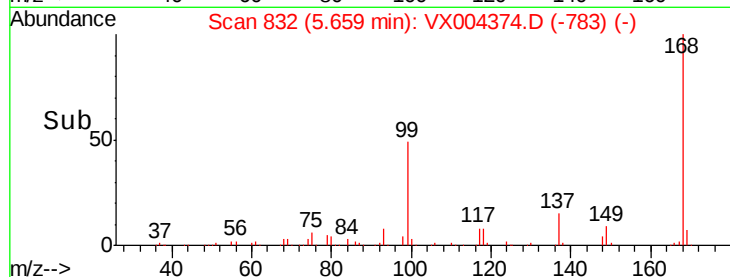
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.52 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004374.D

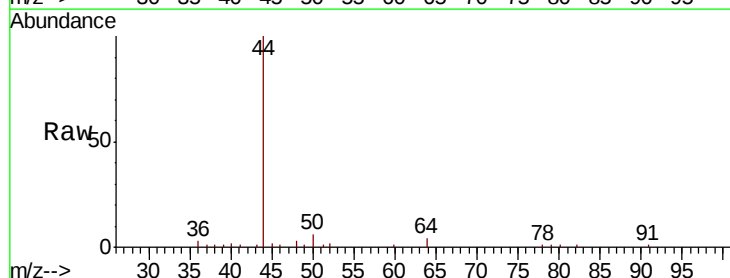
Acq: 05 Sep 2018 17:08

Tgt Ion: 50 Resp: 879

Ion Ratio Lower Upper

50 100

52 30.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

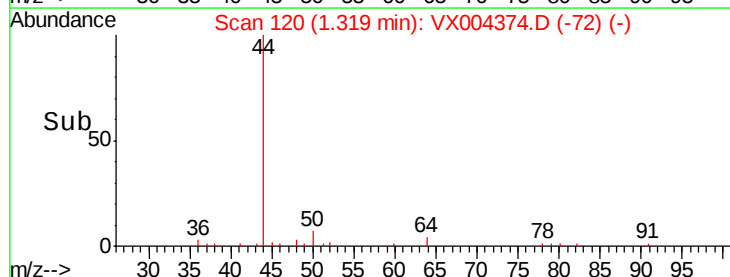
600

400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004374.D

Acq: 05 Sep 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

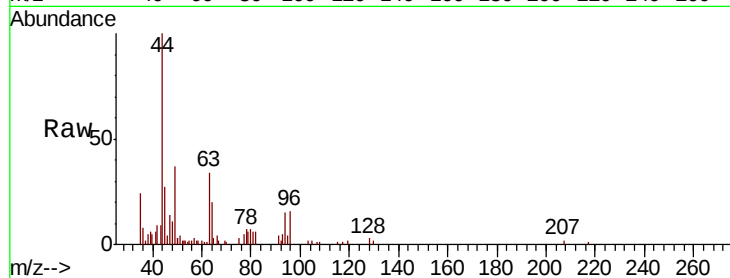
EP1-Q2-TB-01

Tot Ion: 94 Resp: 1526

Ion Ratio Lower Upper

94 100

96 106.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

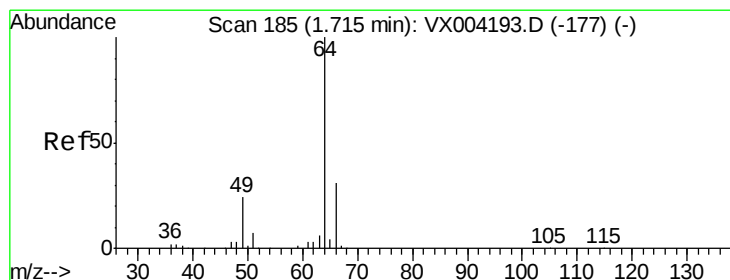
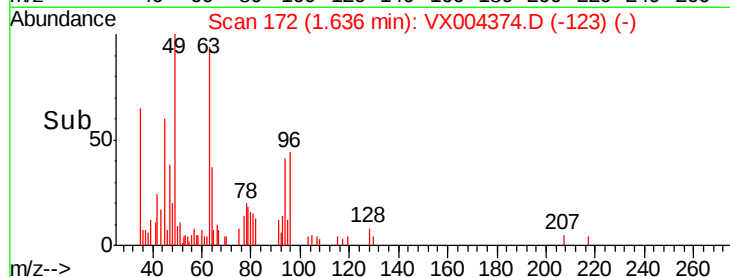
600

400

200

0

Time-->



#6

Chloroethane

Concen: 2.39 ug/l

RT: 1.65 min Scan# 174

Delta R.T. -0.07 min

Lab File: VX004374.D

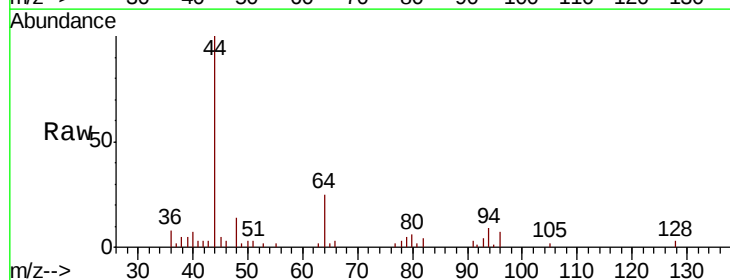
Acq: 05 Sep 2018 17:08

Tgt Ion: 64 Resp: 4567

Ion Ratio Lower Upper

64 100

66 10.2 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

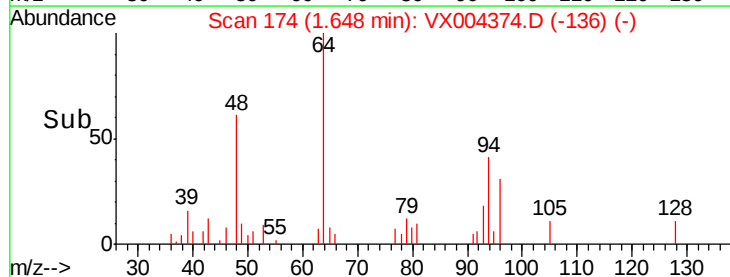
1500

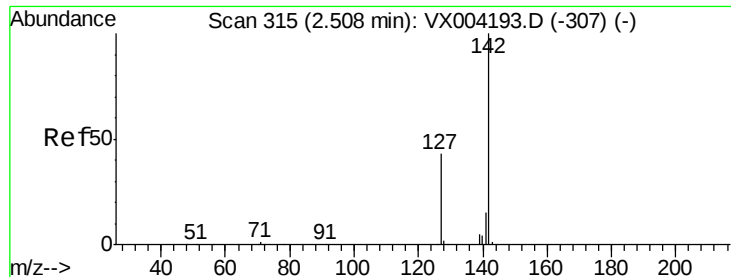
1000

500

0

Time-->

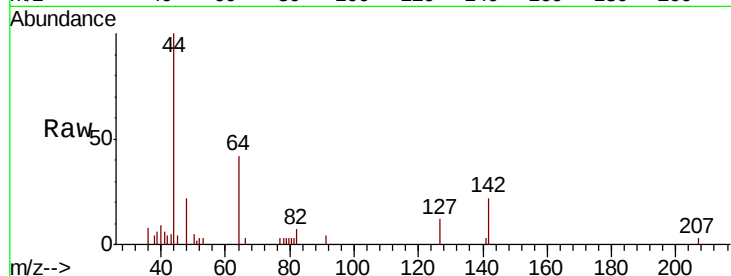




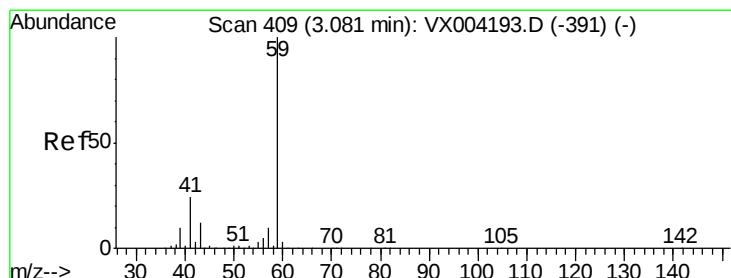
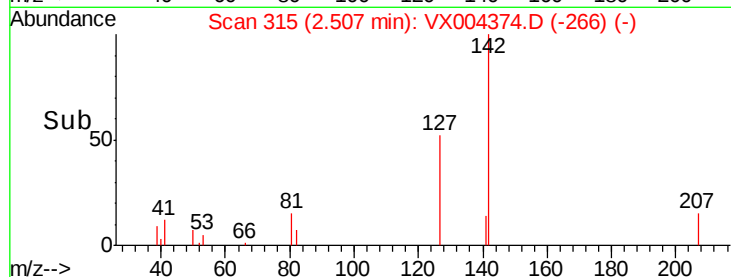
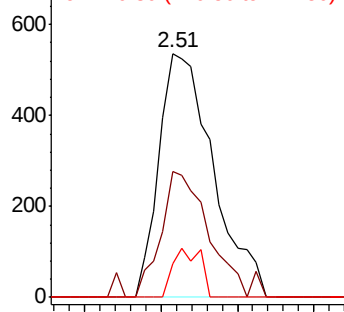
#10
Methvl Iodide
Concen: 4.58 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX004374.D
Acq: 05 Sep 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
EP1-Q2-TB-01

Tot Ion:142 Resp: 1319
Ion Ratio Lower Upper
142 100
127 46.5 33.8 50.6
141 10.2 11.4 17.0#

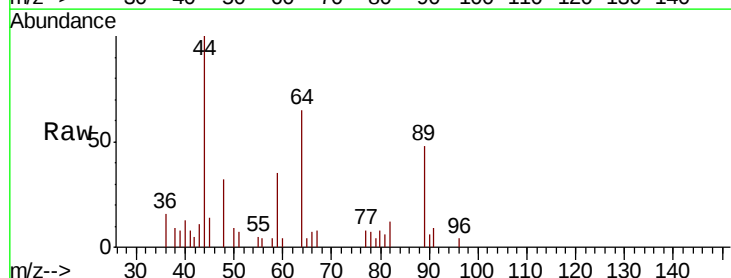


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

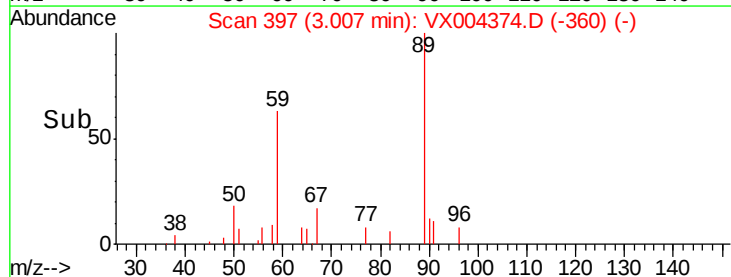
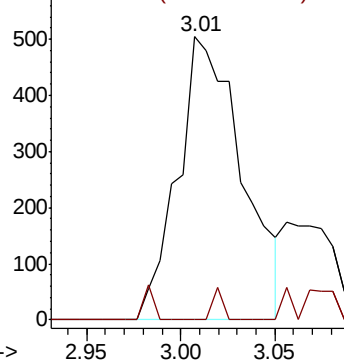


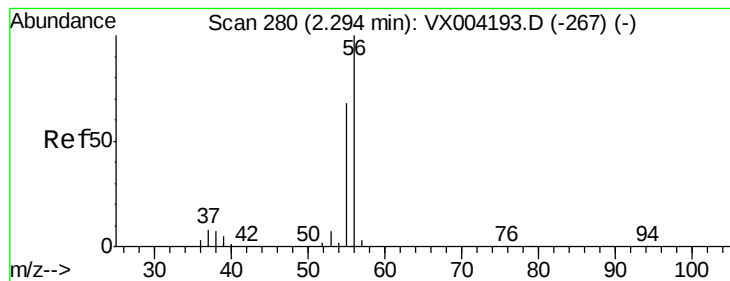
#11
Tert butyl alcohol
Concen: 1.42 ug/l
RT: 3.01 min Scan# 397
Delta R.T. -0.07 min
Lab File: VX004374.D
Acq: 05 Sep 2018 17:08

Tgt Ion: 59 Resp: 1196
Ion Ratio Lower Upper
59 100
57 1.8 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.62 ug/l

RT: 2.28 min Scan# 277

Delta R.T. -0.02 min

Lab File: VX004374.D

Acq: 05 Sep 2018 17:08

Instrument :

MSVOA_X

ClientSampled :

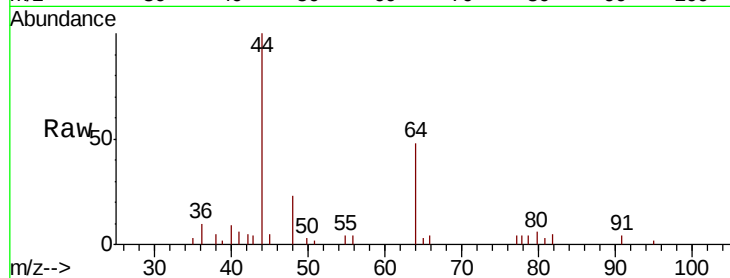
EP1-Q2-TB-01

Tot Ion: 56 Resp: 126

Ion Ratio Lower Upper

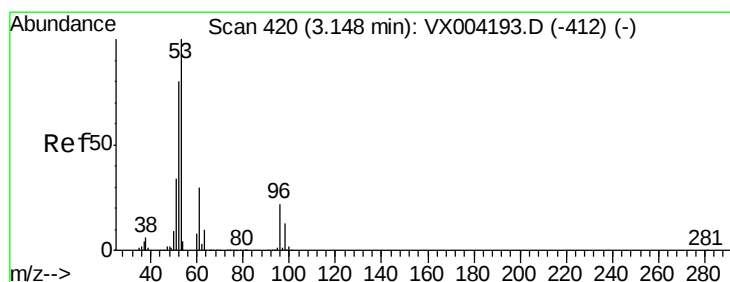
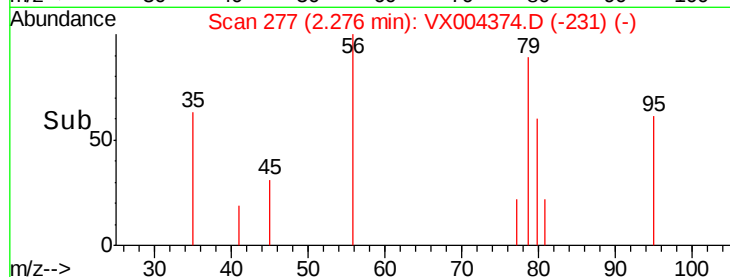
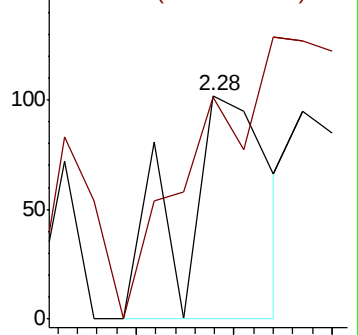
56 100

55 218.3 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.34 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX004374.D

Acq: 05 Sep 2018 17:08

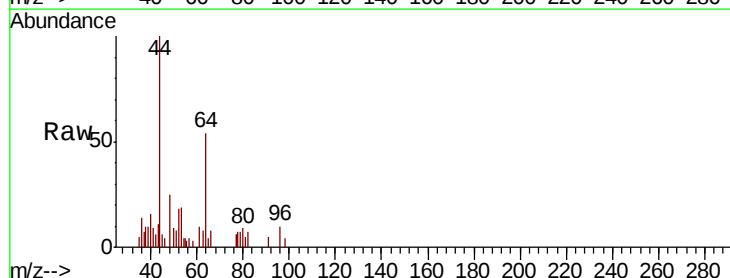
Tgt Ion: 53 Resp: 698

Ion Ratio Lower Upper

53 100

52 98.0 65.2 97.8#

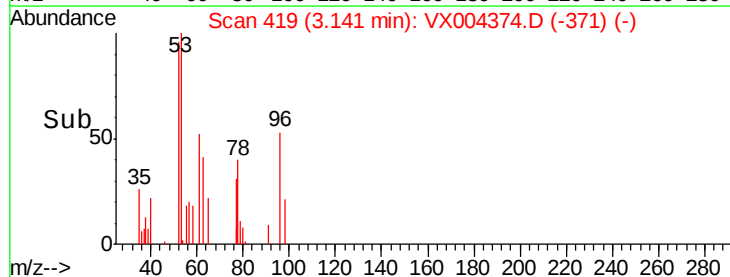
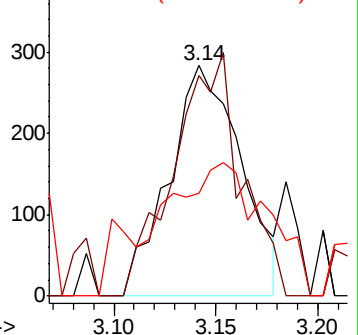
51 77.5 28.2 42.2#

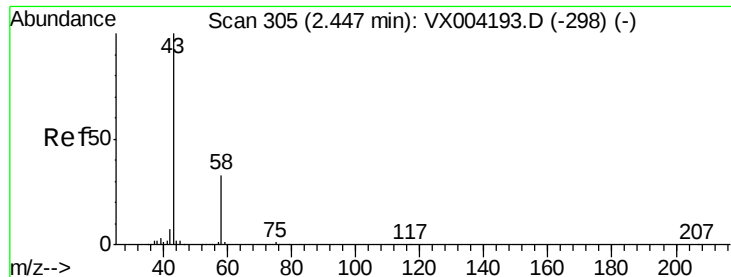


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.70 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX004374.D

Acq: 05 Sep 2018 17:08

Instrument :

MSVOA_X

ClientSampled :

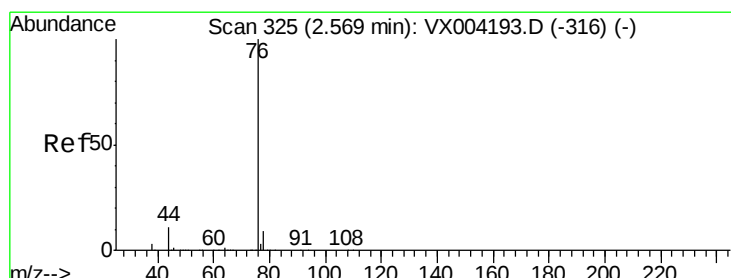
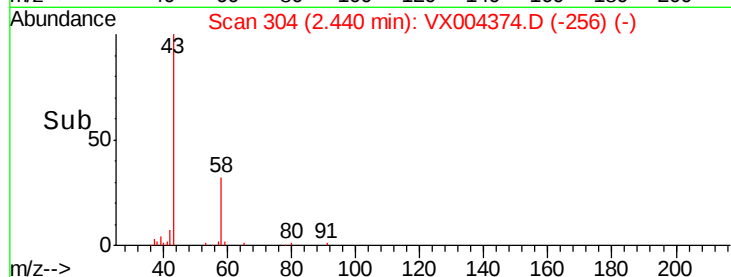
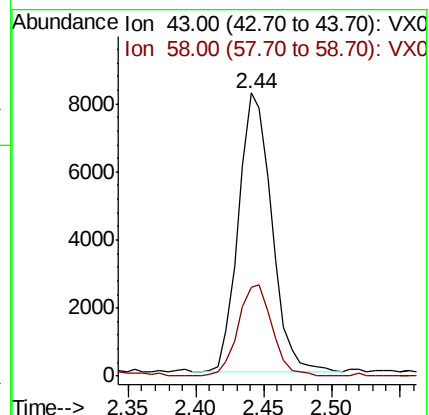
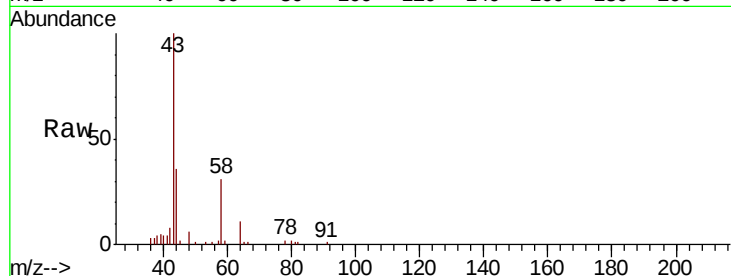
EP1-Q2-TB-01

Tot Ion: 43 Resp: 14074

Ion Ratio Lower Upper

43 100

58 31.7 26.2 39.4



#17

Carbon Disulfide

Concen: 1.06 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004374.D

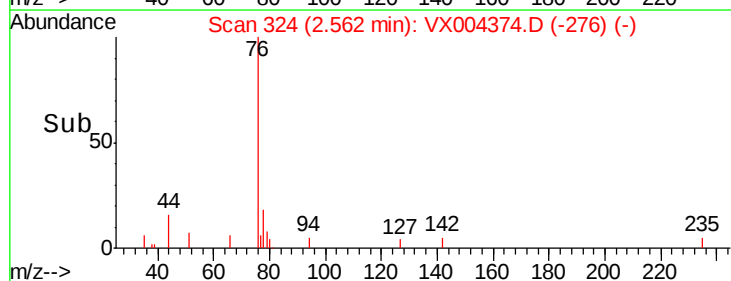
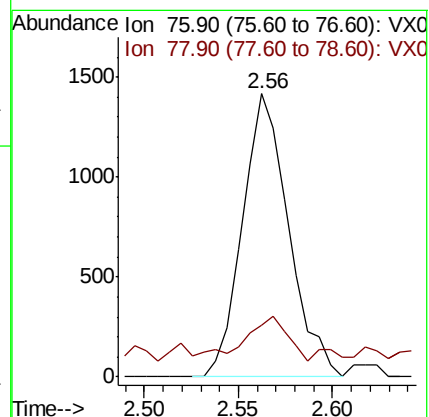
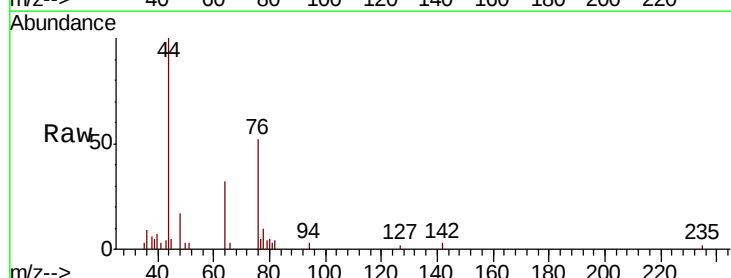
Acq: 05 Sep 2018 17:08

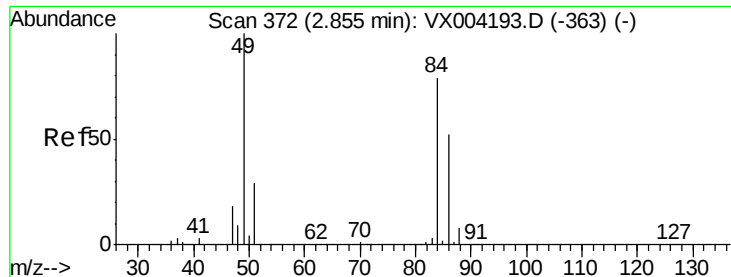
Tgt Ion: 76 Resp: 2404

Ion Ratio Lower Upper

76 100

78 11.3 7.0 10.6#

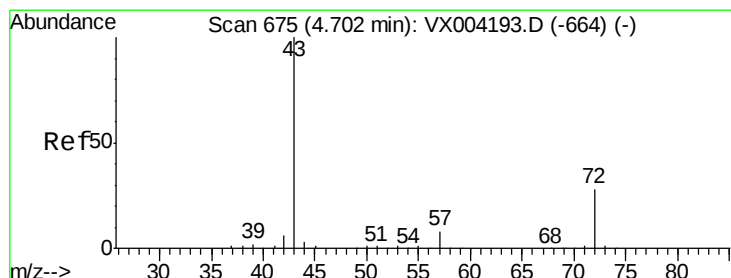
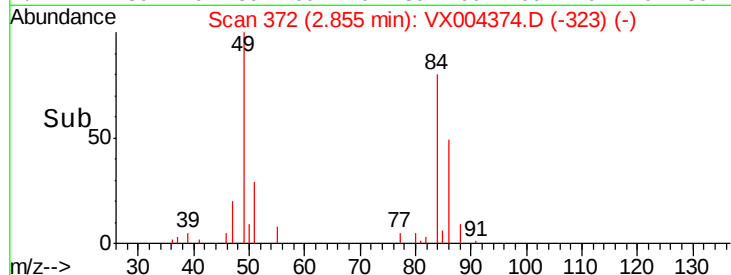
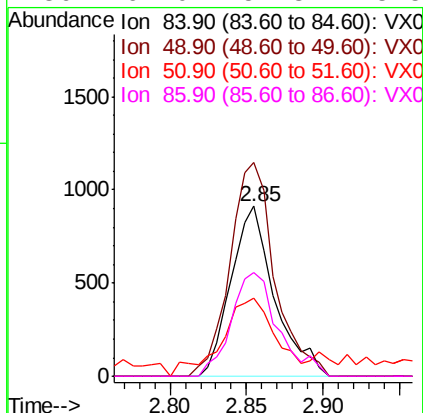
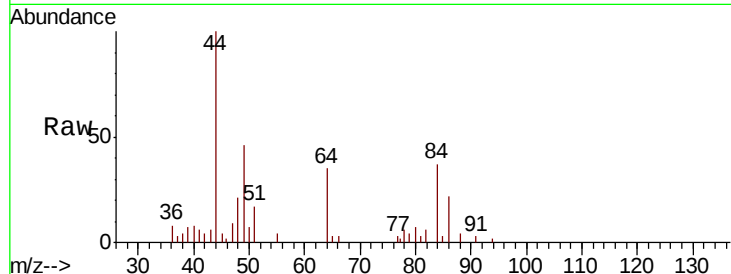




#20
Methvlene Chloride
Concen: 0.48 ua/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004374.D
Acq: 05 Sep 2018 17:08

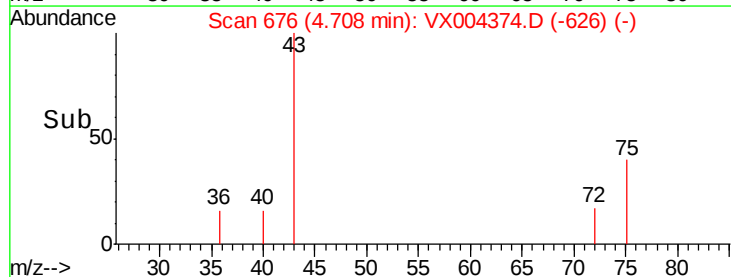
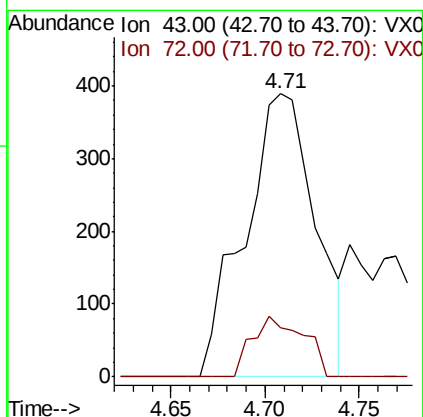
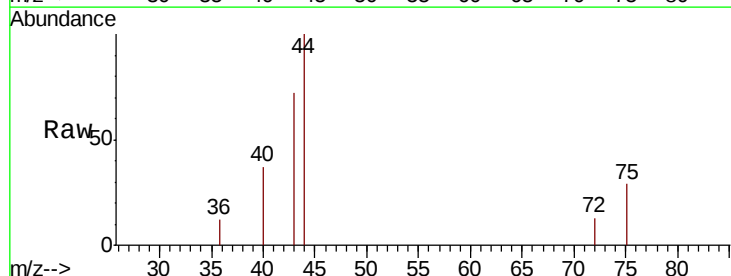
Instrument :
MSVOA_X
ClientSampled :
EP1-Q2-TB-01

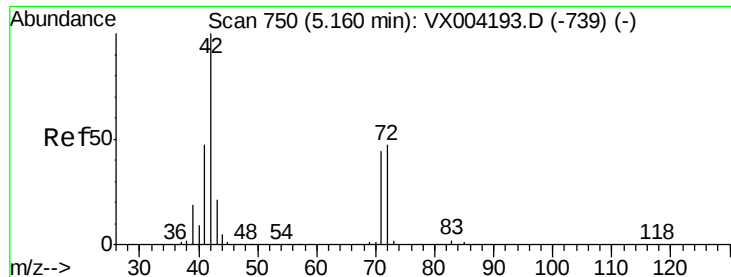
Tot Ion:	84	Resp:	1808
Ion	Ratio	Lower	Upper
84	100		
49	125.7	101.2	151.8
51	39.1	29.5	44.3
86	61.0	52.3	78.5



#25
2-Butanone
Concen: Below Cal
RT: 4.71 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX004374.D
Acq: 05 Sep 2018 17:08

Tgt Ion:	43	Resp:	1013
Ion	Ratio	Lower	Upper
43	100		
72	17.5	22.0	33.0#





#29

Tetrahydrofuran

Concen: 0.43 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.02 min

Lab File: VX004374.D

Acq: 05 Sep 2018 17:08

Instrument :

MSVOA_X

ClientSampled :

EP1-Q2-TB-01

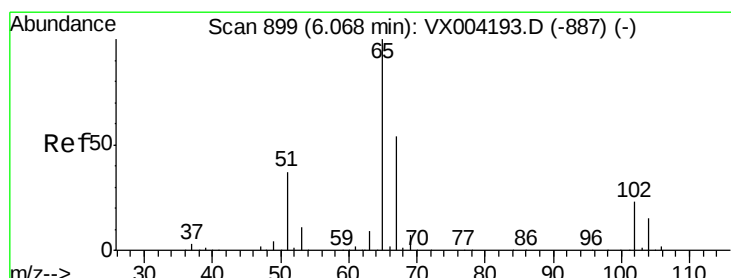
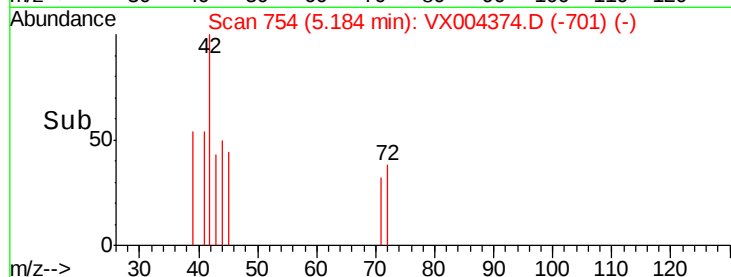
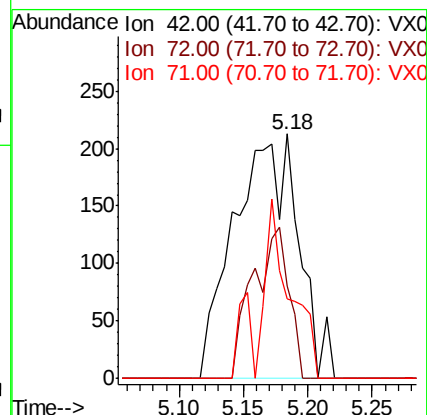
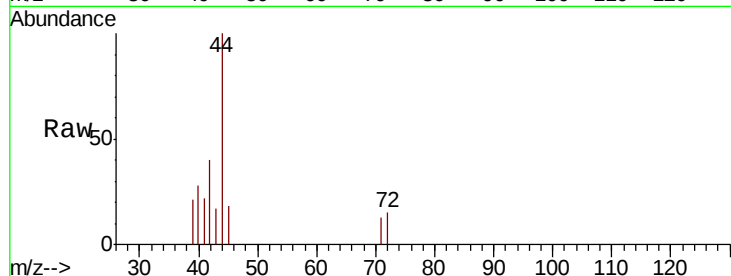
Tot Ion: 42 Resp: 732

Ion Ratio Lower Upper

42 100

72 34.7 37.4 56.0#

71 28.3 34.5 51.7#



#33

1,2-Dichloroethane-d4

Concen: 50.84 ug/l

RT: 6.06 min Scan# 898

Delta R.T. -0.01 min

Lab File: VX004374.D

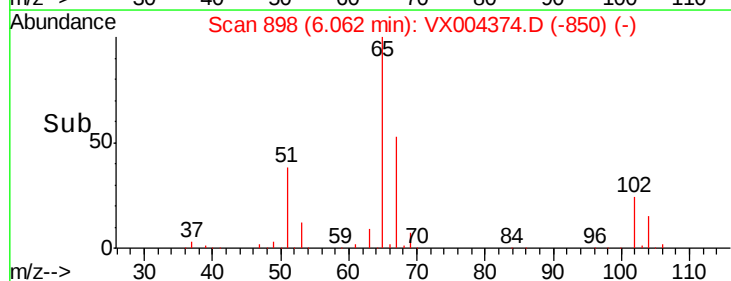
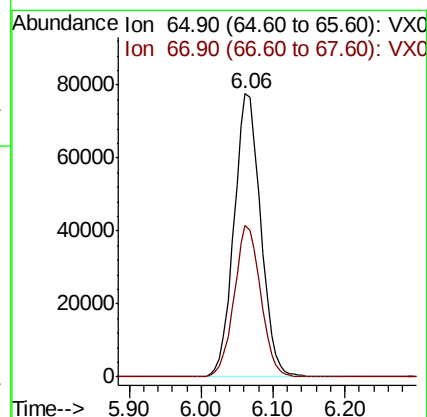
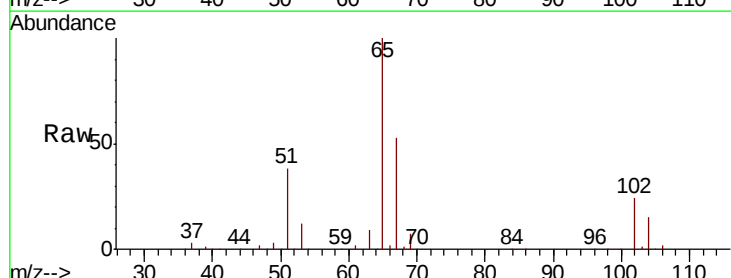
Acq: 05 Sep 2018 17:08

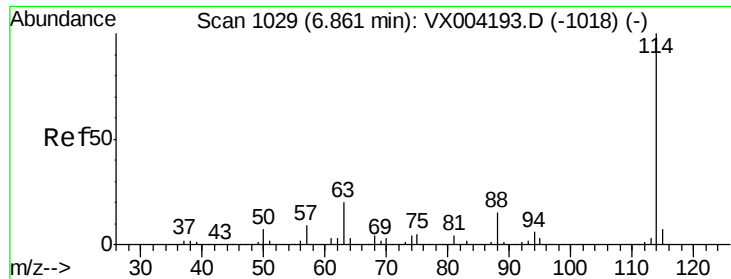
Tgt Ion: 65 Resp: 200368

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.8

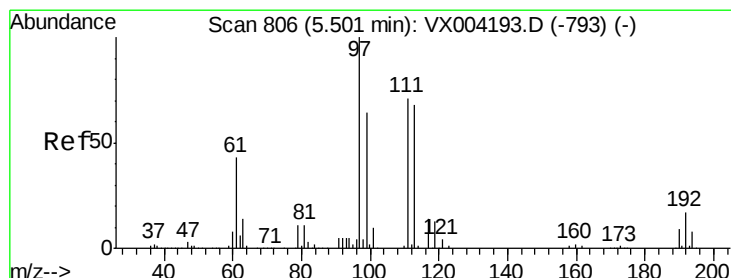
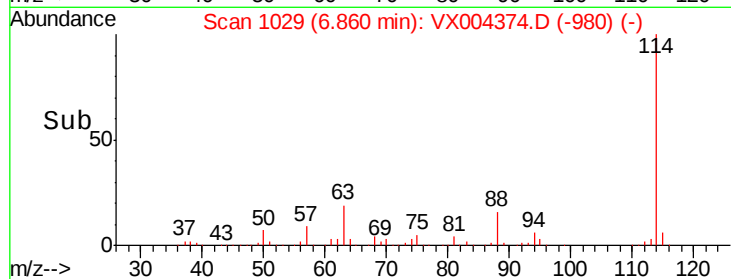
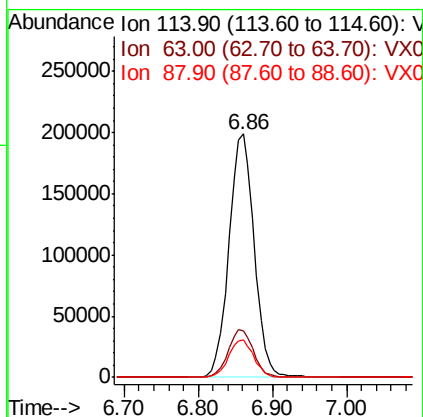
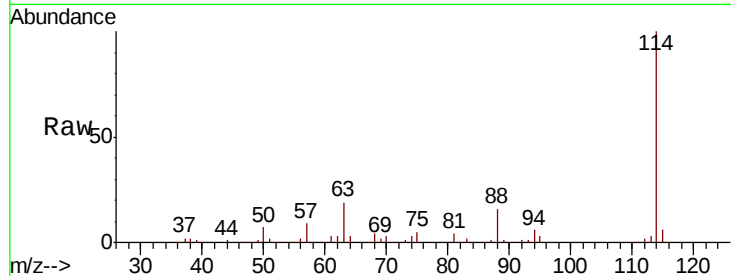




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004374.D
 Acq: 05 Sep 2018 17:08

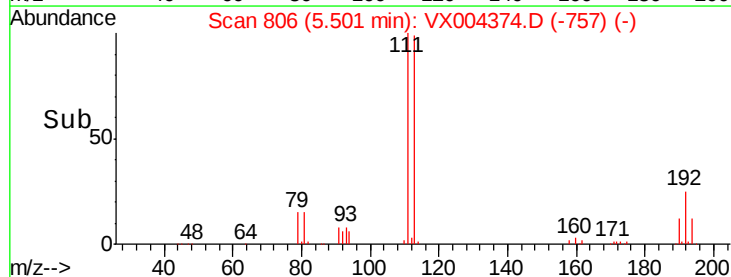
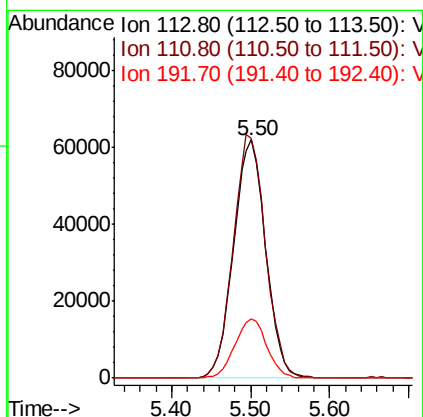
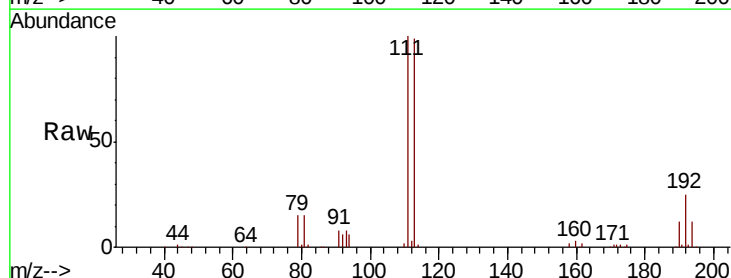
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-Q2-TB-01

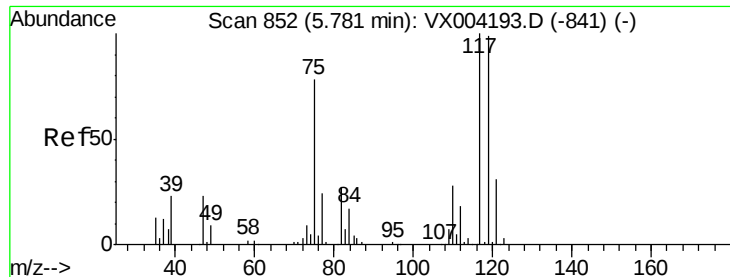
Tot Ion:114 Resp: 471851
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.5 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 49.81 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004374.D
 Acq: 05 Sep 2018 17:08

Tgt Ion:113 Resp: 174832
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 24.8 19.4 29.2

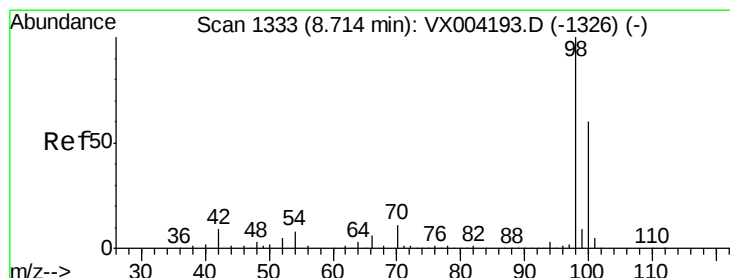
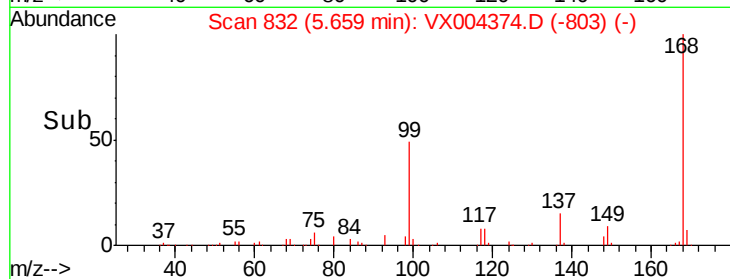
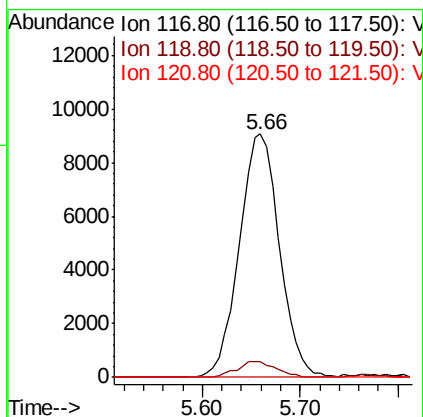
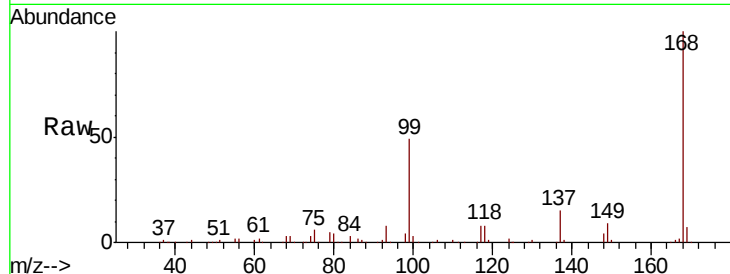




#38
Carbon Tetrachloride
Concen: 5.17 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.12 min
Lab File: VX004374.D
Acq: 05 Sep 2018 17:08

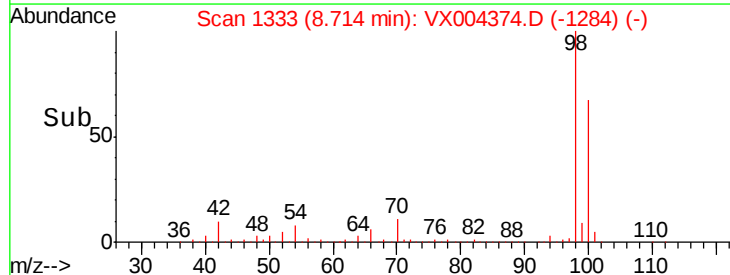
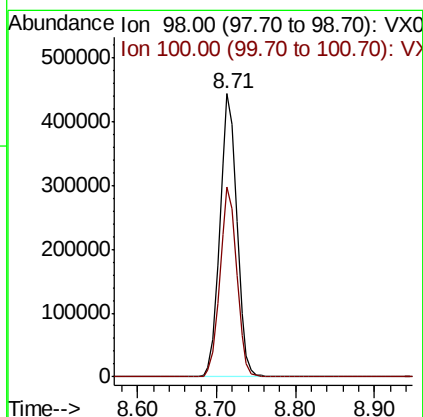
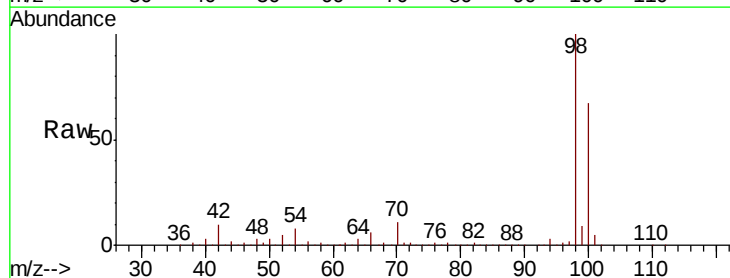
Instrument :
MSVOA_X
ClientSampleId :
EP1-Q2-TB-01

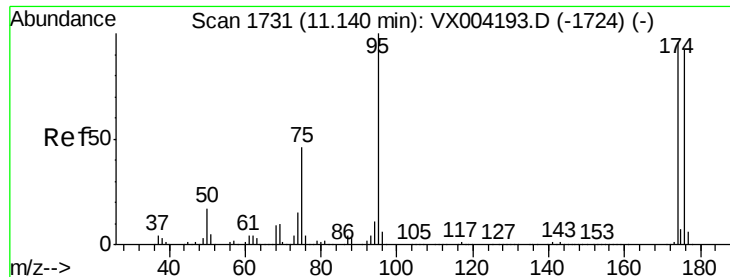
Tot Ion:117 Resp: 25808
Ion Ratio Lower Upper
117 100
119 6.4 78.8 118.2#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 50.34 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004374.D
Acq: 05 Sep 2018 17:08

Tgt Ion: 98 Resp: 666987
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3

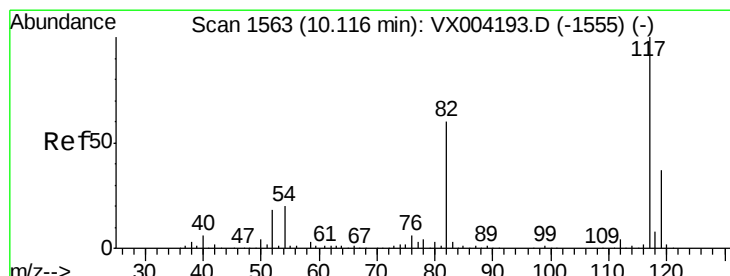
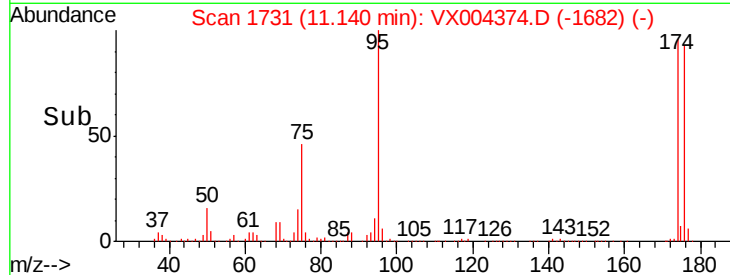
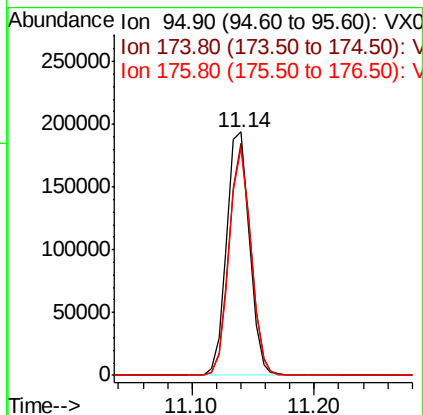
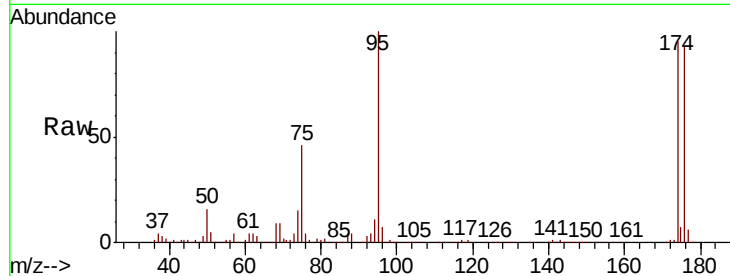




#62
4-Bromofluorobenzene
Concen: 50.72 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004374.D
Acq: 05 Sep 2018 17:08

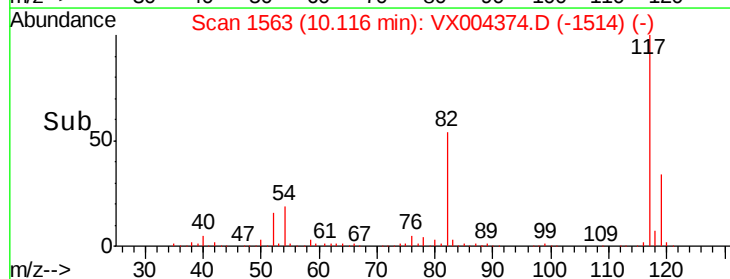
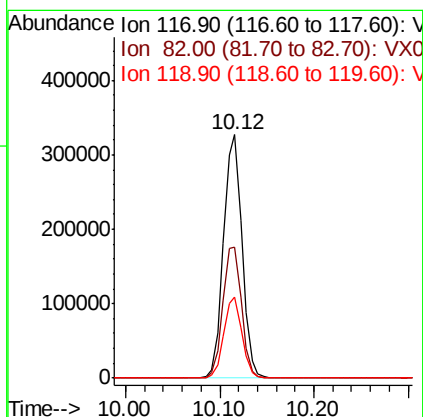
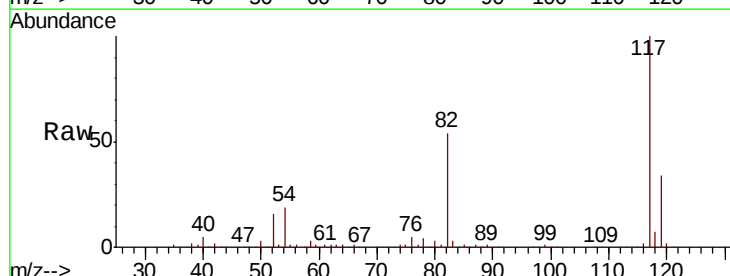
Instrument :
MSVOA_X
ClientSampleId :
EP1-Q2-TB-01

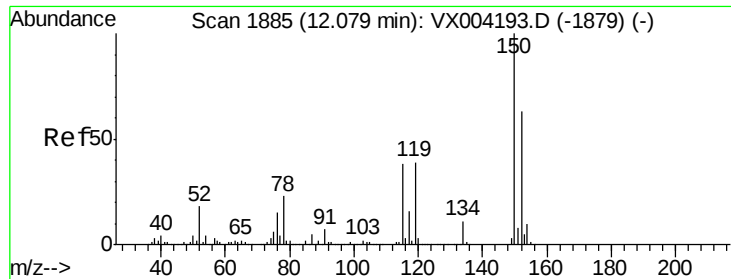
Tot Ion: 95 Resp: 250737
Ion Ratio Lower Upper
95 100
174 90.8 0.0 185.2
176 88.1 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004374.D
Acq: 05 Sep 2018 17:08

Tgt Ion: 117 Resp: 444251
Ion Ratio Lower Upper
117 100
82 53.9 47.8 71.6
119 33.5 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: VX004374.D

Acq: 05 Sep 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

EP1-Q2-TB-01

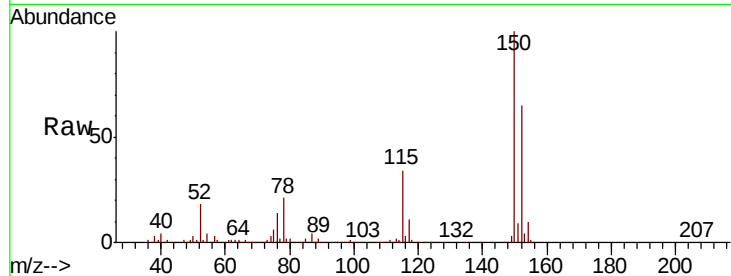
Tot Ion:152 Resp: 269277

Ion Ratio Lower Upper

152 100

115 53.7 39.0 117.0

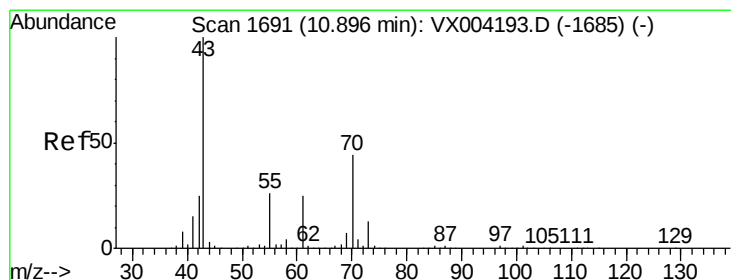
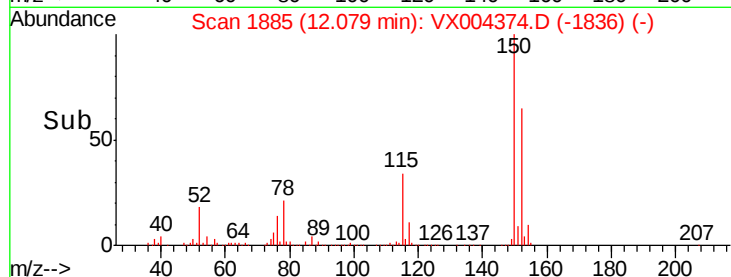
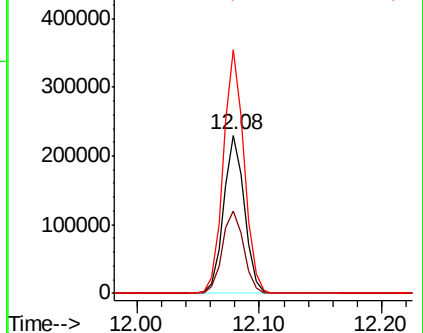
150 154.0 0.0 351.0



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



#74

N-ethyl acetate

Concen: 0.21 ug/l

RT: 10.91 min Scan# 1694

Delta R.T. 0.02 min

Lab File: VX004374.D

Acq: 05 Sep 2018 17:08

Tgt Ion: 43 Resp: 1408

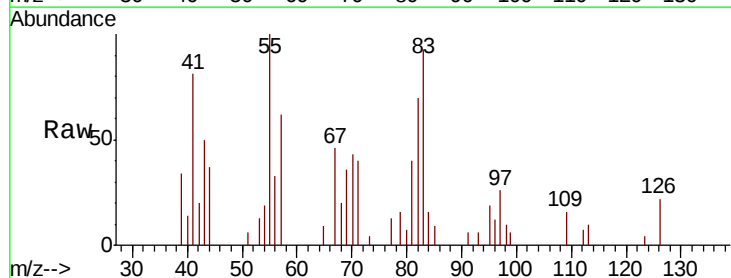
Ion Ratio Lower Upper

43 100

70 73.9 37.4 56.0#

55 182.7 21.8 32.8#

61 0.0 20.6 30.8#

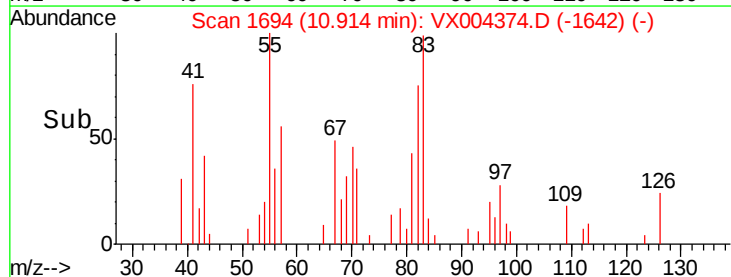
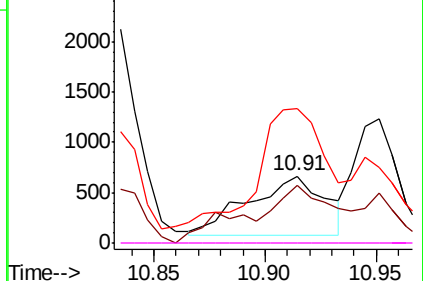


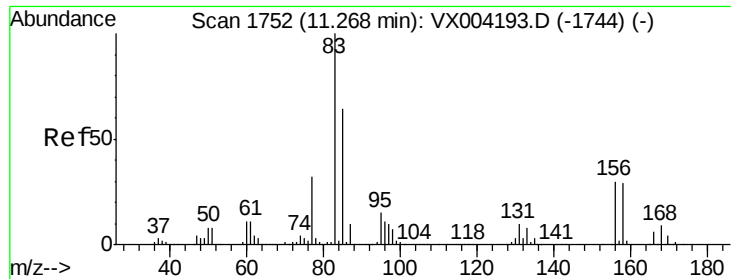
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.23 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX004374.D

Acq: 05 Sep 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

EP1-Q2-TB-01

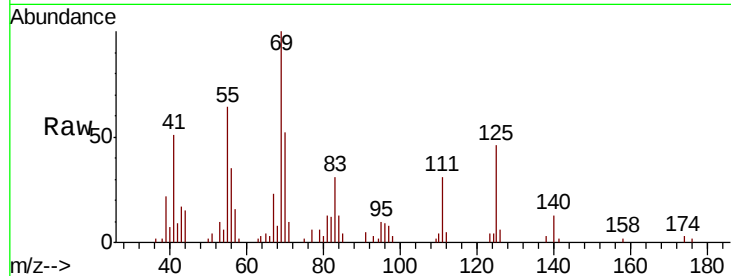
Tot Ion: 83 Resp: 1419

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

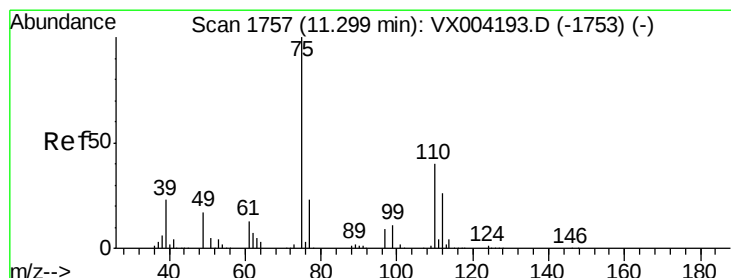
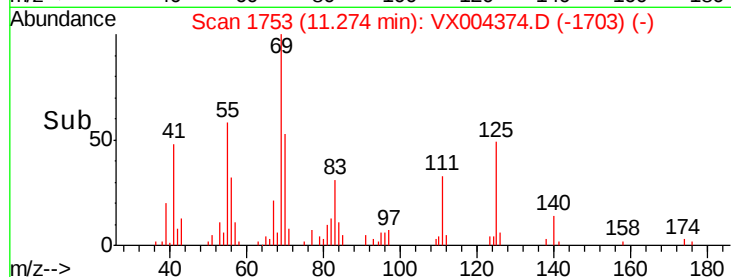
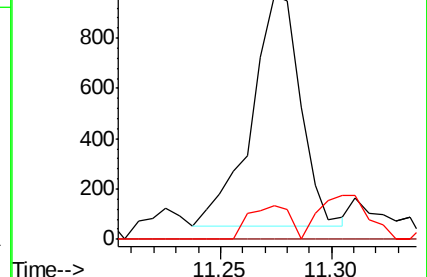
85 12.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.40 ug/l

RT: 11.13 min Scan# 1730

Delta R.T. -0.16 min

Lab File: VX004374.D

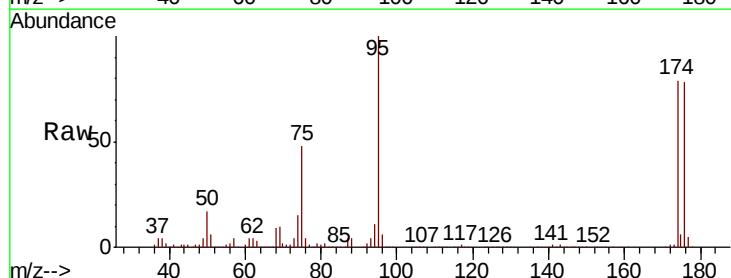
Acq: 05 Sep 2018 17:08

Tgt Ion: 75 Resp: 117221

Ion Ratio Lower Upper

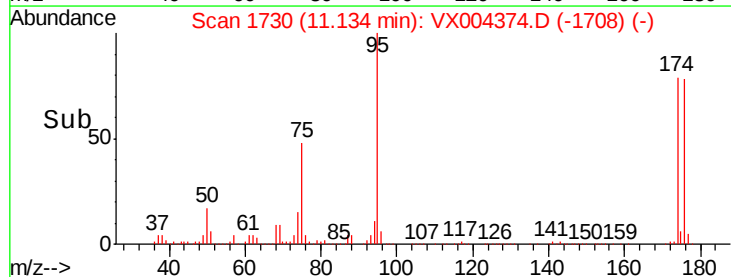
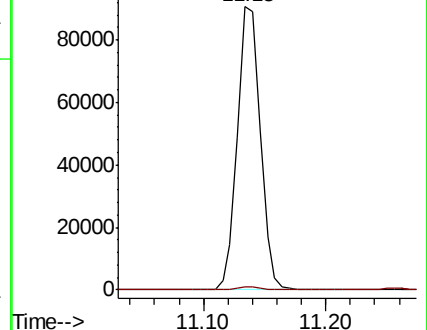
75 100

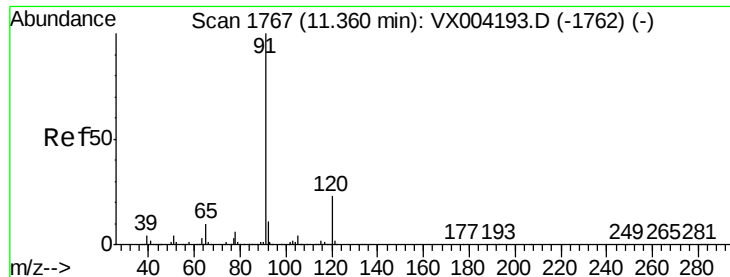
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.50 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004374.D

Acq: 05 Sep 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

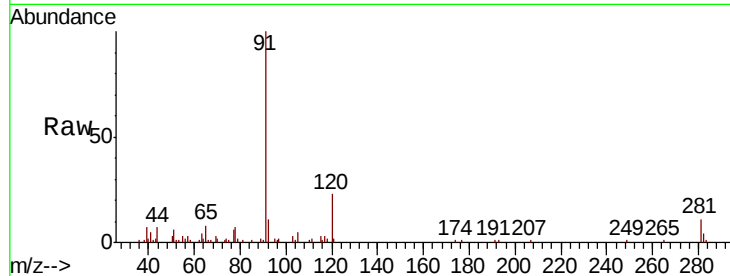
EP1-Q2-TB-01

Tot Ion: 91 Resp: 10132

Ion Ratio Lower Upper

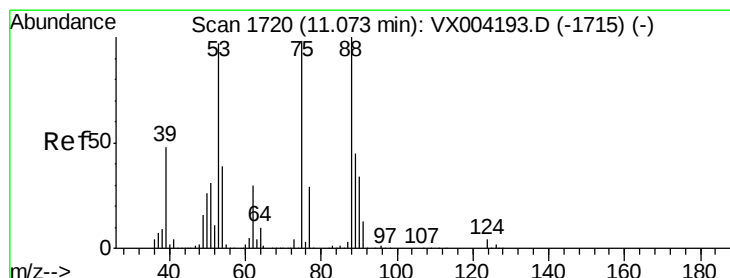
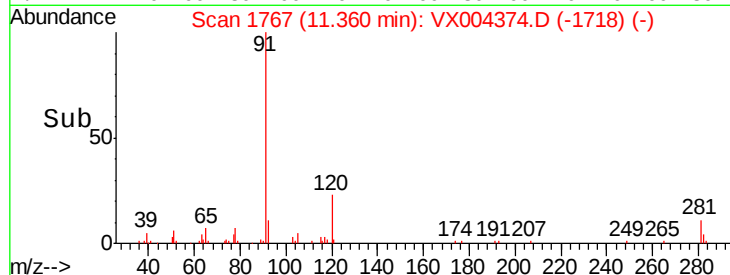
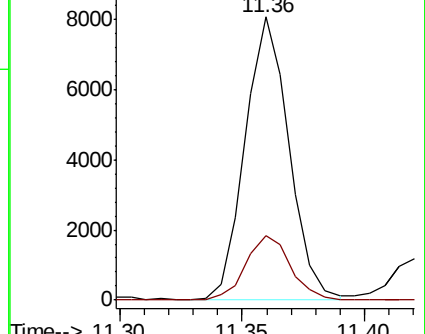
91 100

120 23.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 69.45 ug/l

RT: 11.13 min Scan# 1730

Delta R.T. 0.06 min

Lab File: VX004374.D

Acq: 05 Sep 2018 17:08

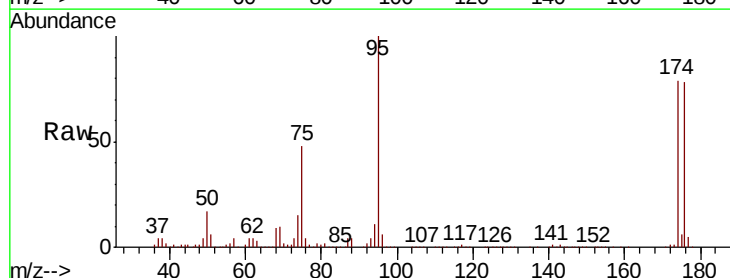
Tgt Ion: 75 Resp: 117221

Ion Ratio Lower Upper

75 100

53 0.4 80.1 120.1#

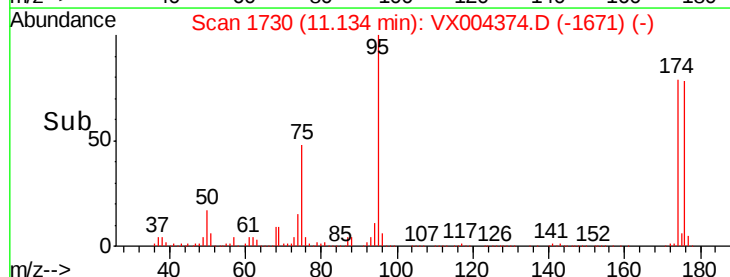
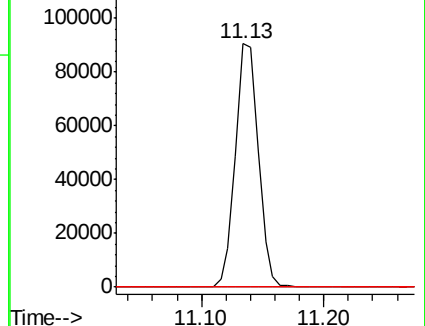
89 0.0 37.2 55.8#

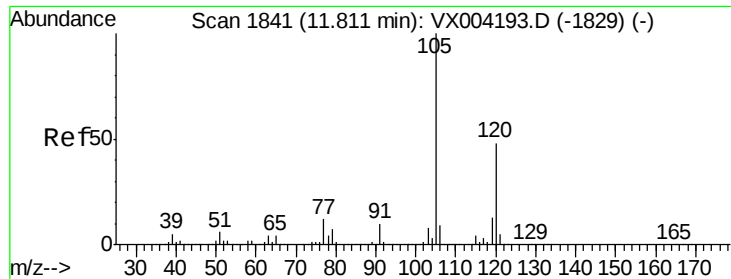


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#84

1,2,4-Trimethylbenzene

Concen: 2.53 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX004374.D

Acq: 05 Sep 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

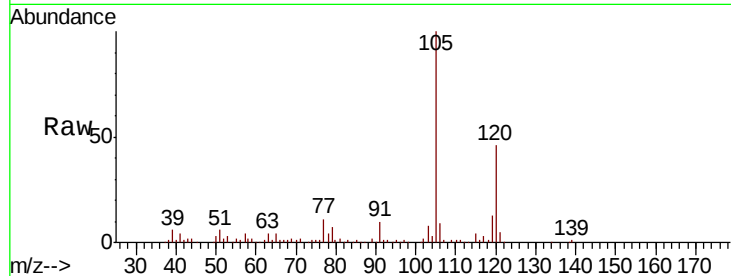
EP1-Q2-TB-01

Tot Ion:105 Resp: 38031

Ion Ratio Lower Upper

105 100

120 45.0 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.81

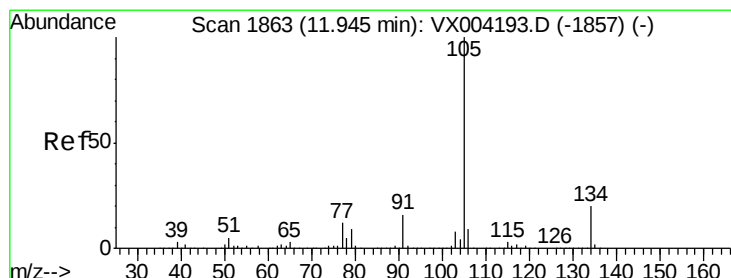
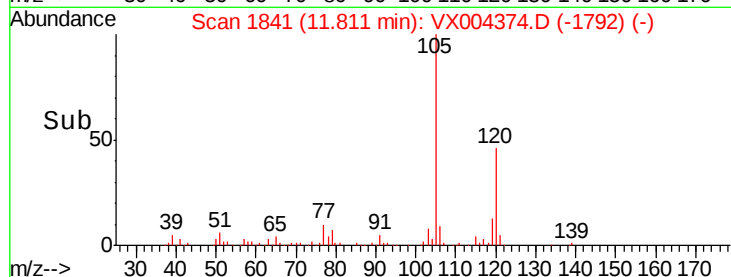
30000

20000

10000

0

Time--> 11.70 11.80 11.90



#85

sec-Butylbenzene

Concen: 0.36 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004374.D

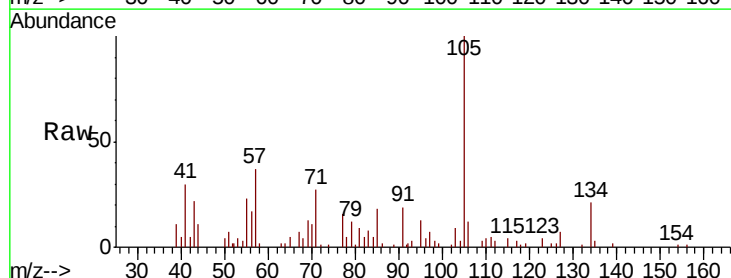
Acq: 05 Sep 2018 17:08

Tgt Ion:105 Resp: 6325

Ion Ratio Lower Upper

105 100

134 29.2 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

6000

5000

4000

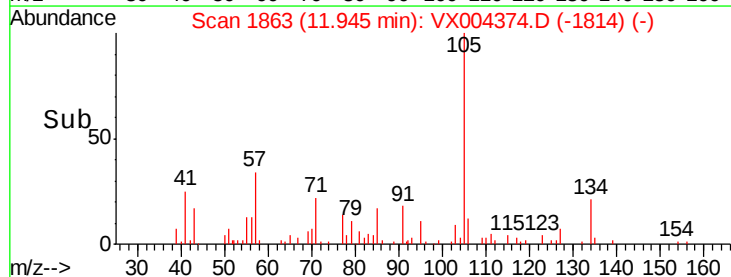
3000

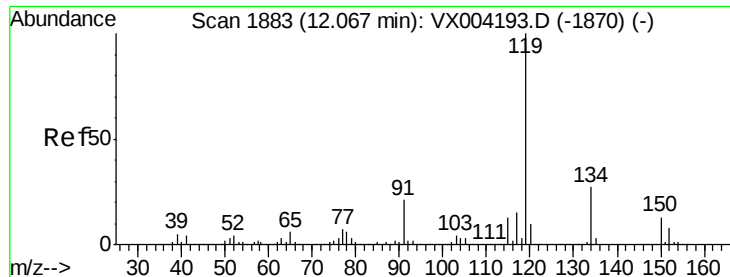
2000

1000

0

Time--> 11.90 11.95 12.00

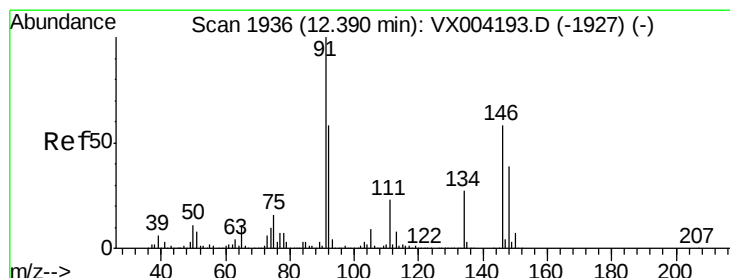
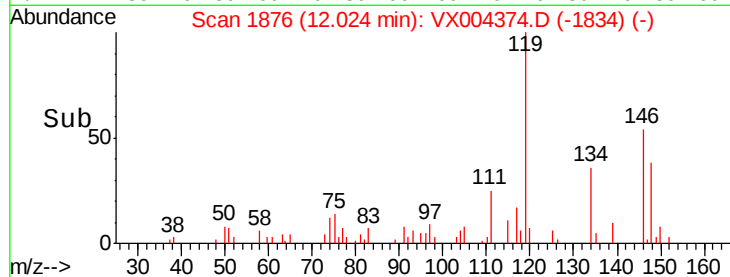
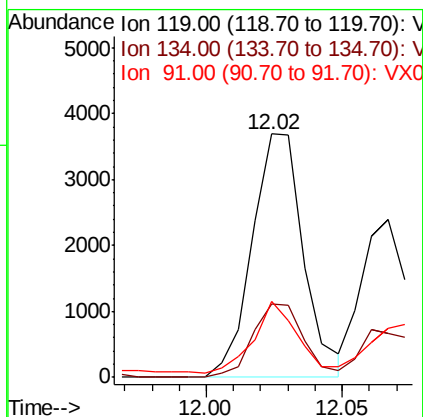
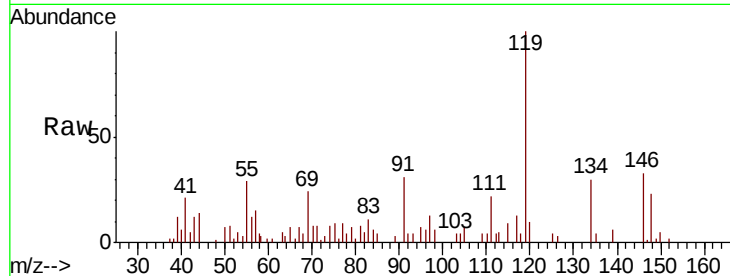




#86
p-Isopropyltoluene
Concen: 0.31 ug/l
RT: 12.02 min Scan# 1876
Delta R.T. -0.04 min
Lab File: VX004374.D
Acq: 05 Sep 2018 17:08

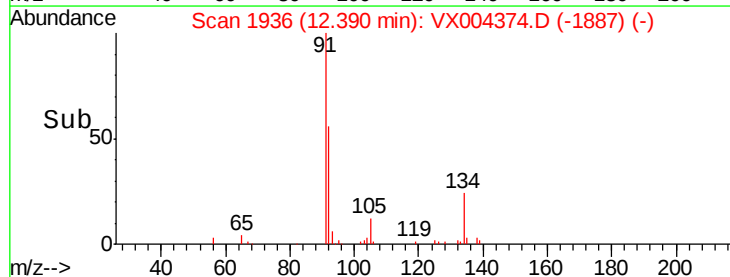
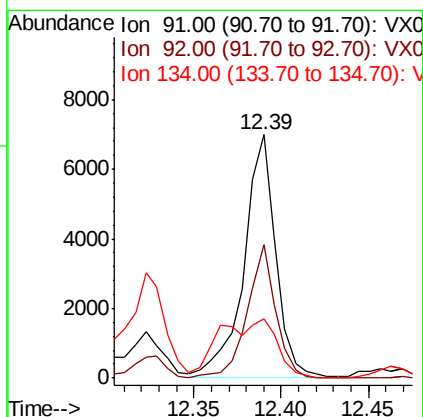
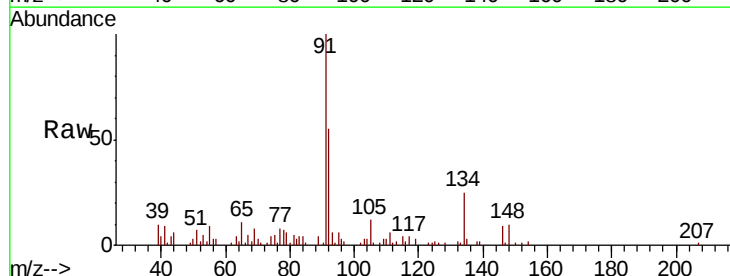
Instrument :
MSVOA_X
ClientSampleId :
EP1-Q2-TB-01

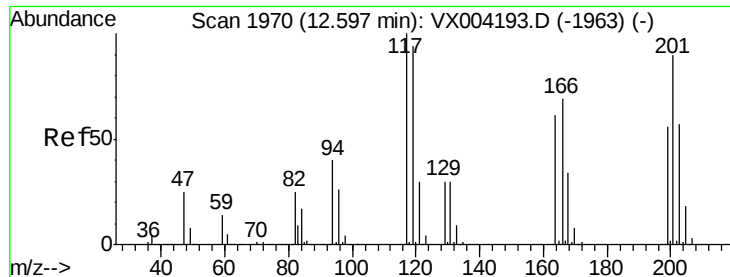
Tot Ion:119 Resp: 4832
Ion Ratio Lower Upper
119 100
134 30.1 13.4 40.2
91 25.0 10.9 32.7



#89
n-Butylbenzene
Concen: 0.70 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004374.D
Acq: 05 Sep 2018 17:08

Tgt Ion: 91 Resp: 8910
Ion Ratio Lower Upper
91 100
92 48.6 27.3 81.9
134 0.0 13.6 40.7#





#90

Hexachloroethane

Concen: 0.26 ug/l

RT: 12.59 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VX004374.D

Acq: 05 Sep 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

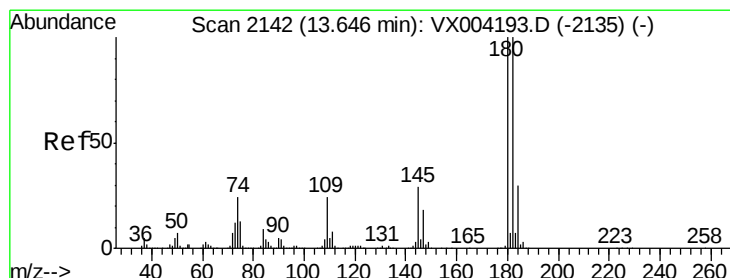
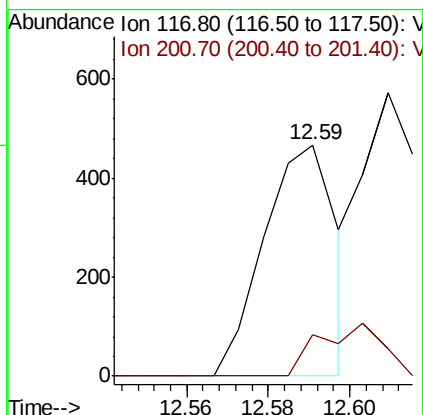
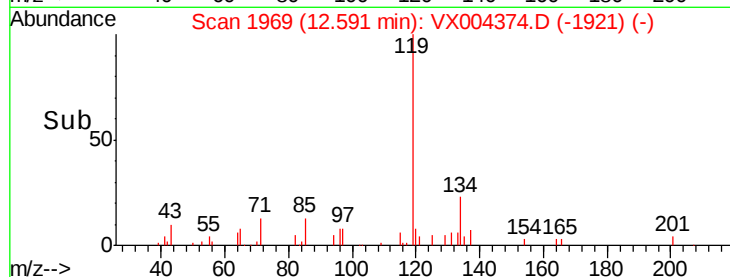
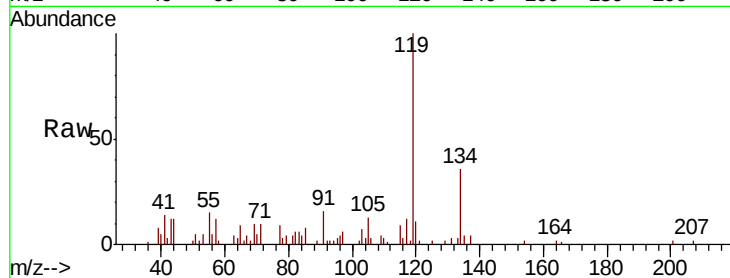
EP1-Q2-TB-01

Tot Ion:117 Resp: 574

Ion Ratio Lower Upper

117 100

201 0.0 46.9 140.6#



#93

1,2,4-Trichlorobenzene

Concen: 0.24 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VX004374.D

Acq: 05 Sep 2018 17:08

Tgt Ion:180 Resp: 1472

Ion Ratio Lower Upper

180 100

182 98.9 48.4 145.0

145 39.5 14.3 42.9

