

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030619\
 Data File : VX007871.D
 Acq On : 06 Mar 2019 20:14
 Operator : JC/SP
 Sample : K1759-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-540-542

Quant Time: Mar 07 07:53:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	298550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	461548	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	434394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210625	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	162383	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
35) Dibromofluoromethane	5.51	113	149682	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	8.71	98	564261	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
62) 4-Bromofluorobenzene	11.13	95	205894	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	

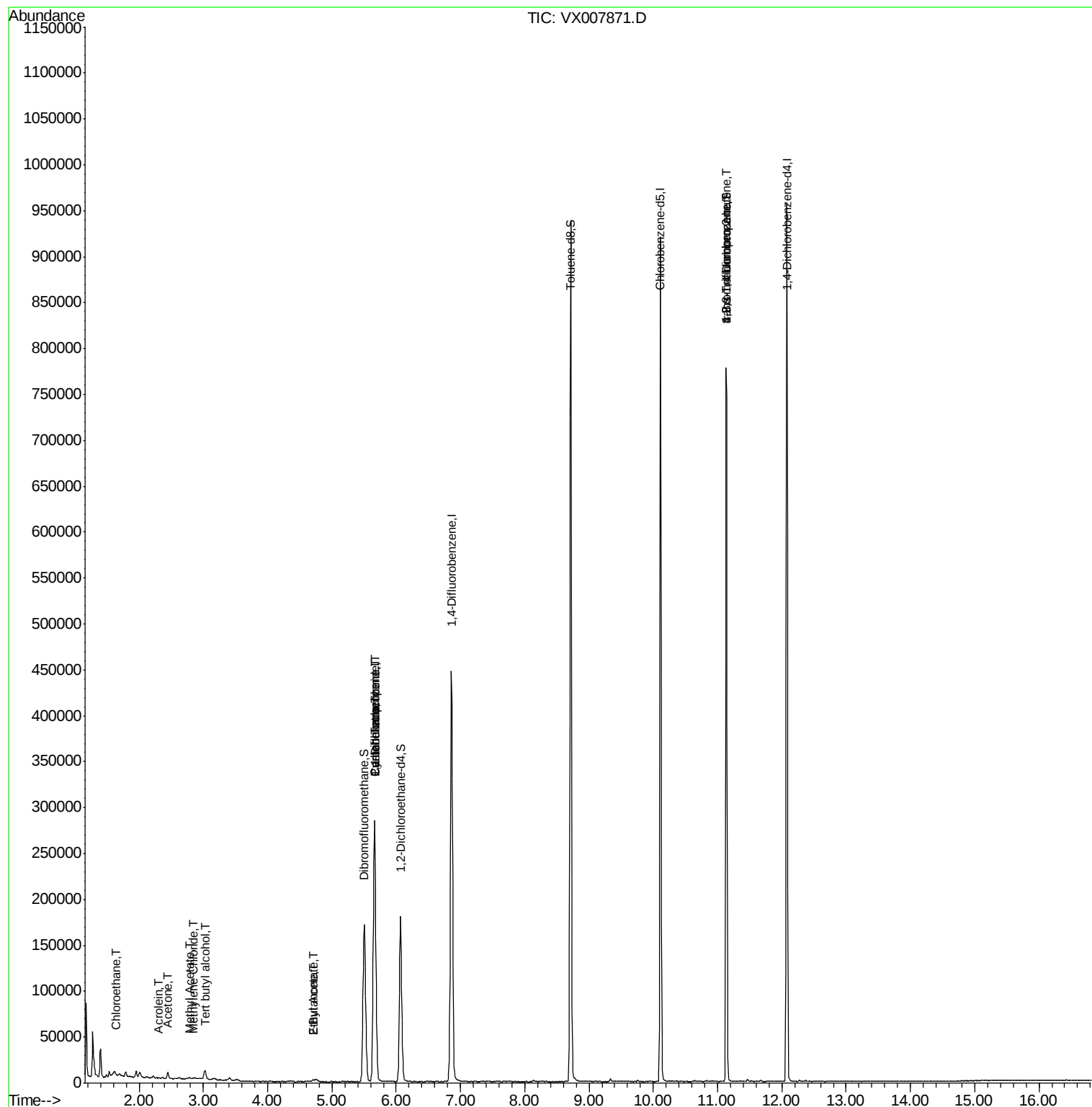
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	220	Below Cal	#	32
6) Chloroethane	1.64	64	712	0.328	ug/l #	64
11) Tert butyl alcohol	3.02	59	6020	8.547	ug/l #	78
13) Acrolein	2.30	56	45	1.654	ug/l #	13
16) Acetone	2.45	43	7540	4.136	ug/l	98
17) Carbon Disulfide	2.58	76	876	Below Cal	#	94
18) Methyl Acetate	2.78	43	1209	0.312	ug/l #	82
20) Methylene Chloride	2.85	84	612	0.211	ug/l #	78
25) 2-Butanone	4.71	43	2890	1.120	ug/l	96
31) Cyclohexane	5.66	56	4828	0.998	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18401	4.403	ug/l #	49
37) Ethyl Acetate	4.71	43	2890	0.583	ug/l #	68
38) Carbon Tetrachloride	5.67	117	25292	6.375	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	95404	21.586	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	95404	68.998	ug/l #	11

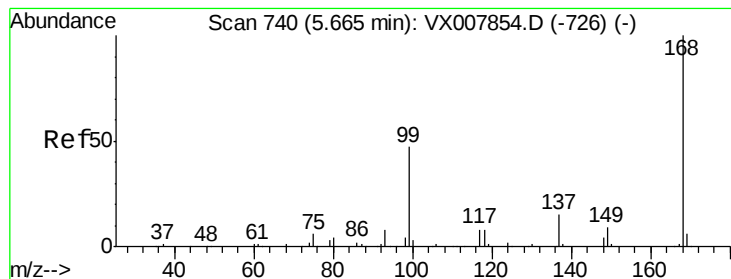
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX030619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007871.D

Acq: 06 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

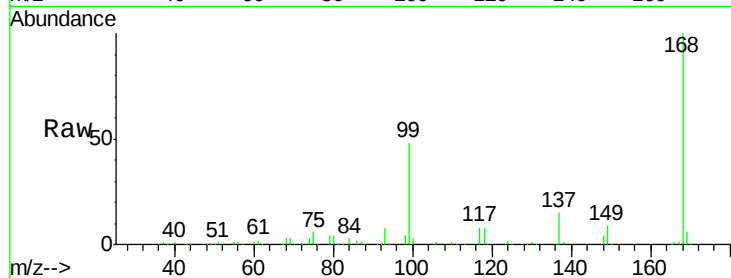
BP-VPB201-GW-540-542

Tgt Ion: 168 Resp: 298550

Ion Ratio Lower Upper

168 100

99 48.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

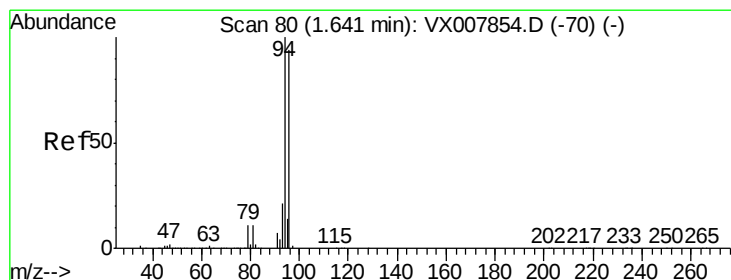
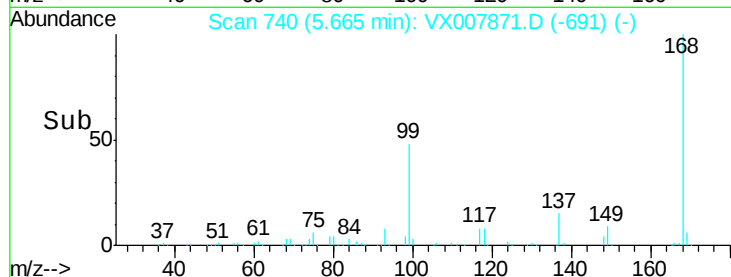
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007871.D

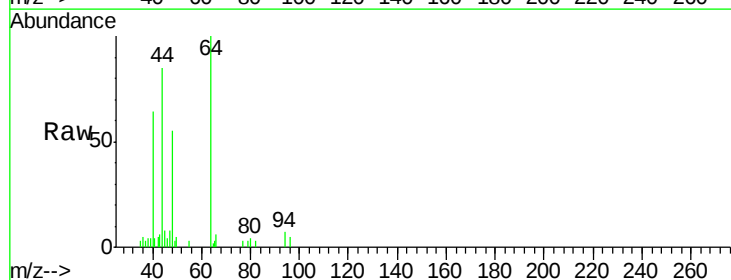
Acq: 06 Mar 2019 20:14

Tgt Ion: 94 Resp: 220

Ion Ratio Lower Upper

94 100

96 28.9 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

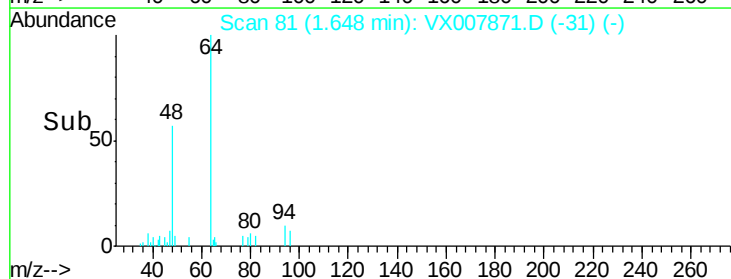
150

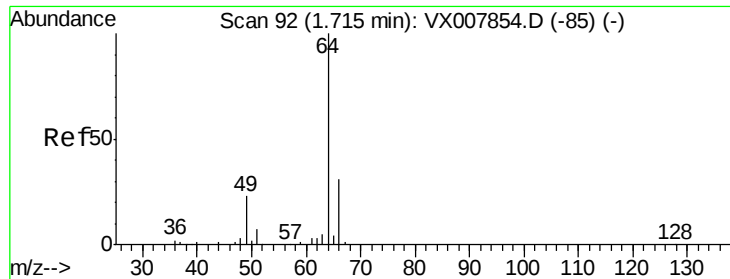
100

50

0

Time--> 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 0.328 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.07 min

Lab File: VX007871.D

Acq: 06 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

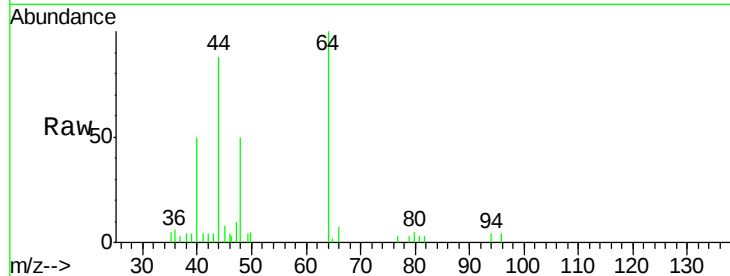
BP-VPB201-GW-540-542

Tgt Ion: 64 Resp: 712

Ion Ratio Lower Upper

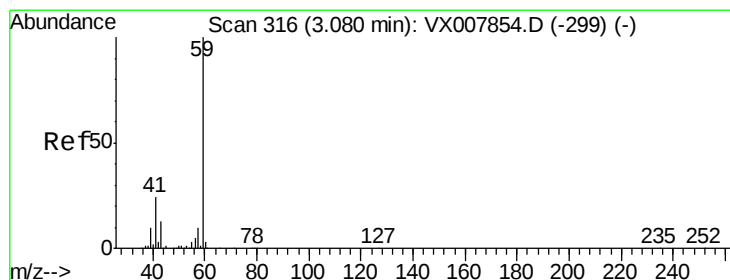
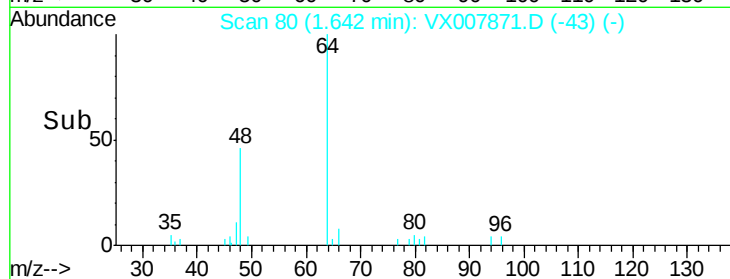
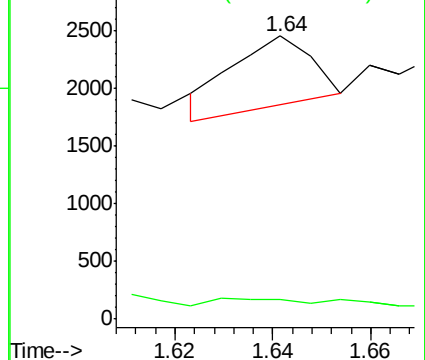
64 100

66 11.8 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 8.547 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX007871.D

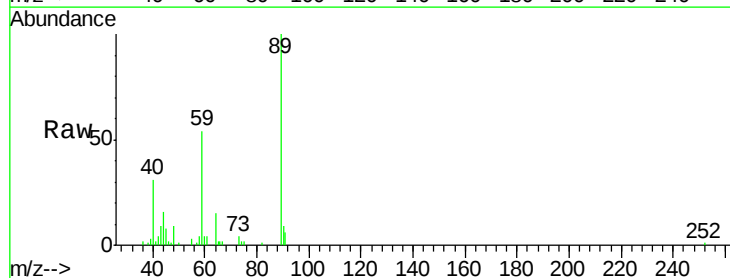
Acq: 06 Mar 2019 20:14

Tgt Ion: 59 Resp: 6020

Ion Ratio Lower Upper

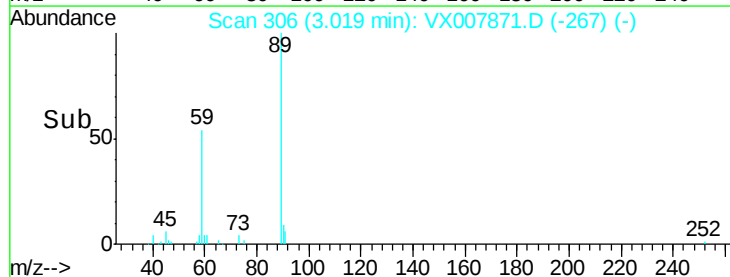
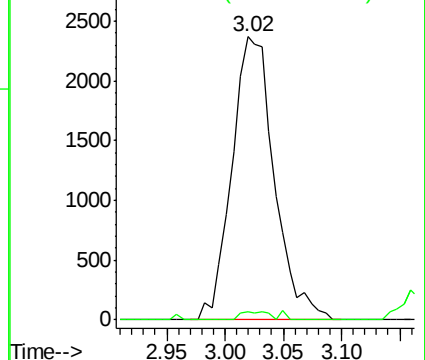
59 100

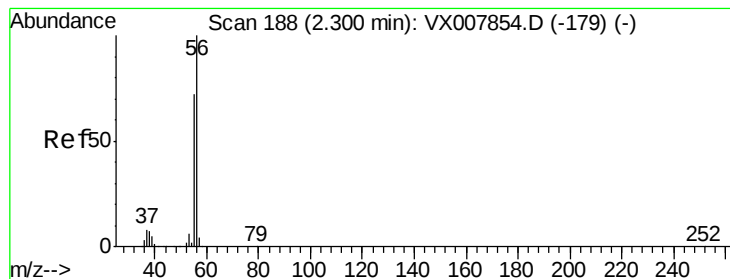
57 1.9 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.654 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007871.D

Acq: 06 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

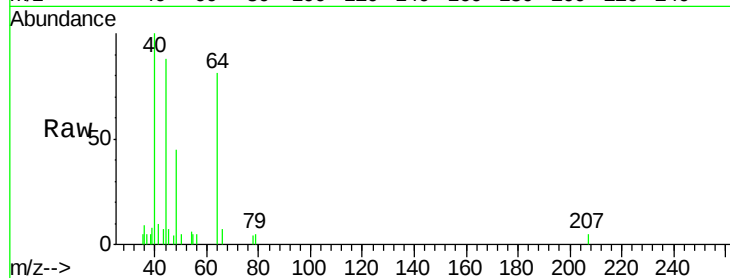
BP-VPB201-GW-540-542

Tgt Ion: 56 Resp: 45

Ion Ratio Lower Upper

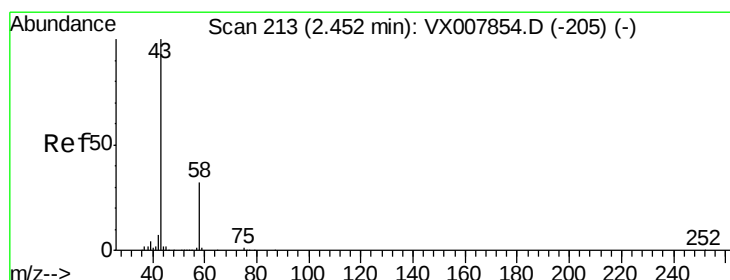
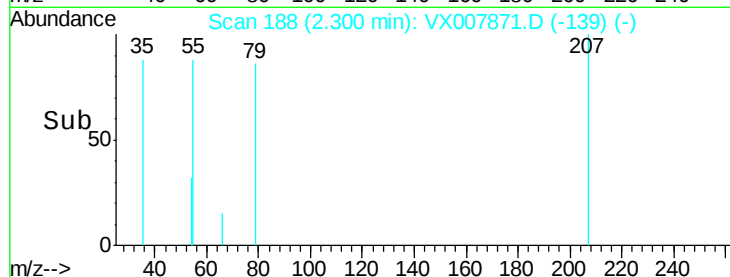
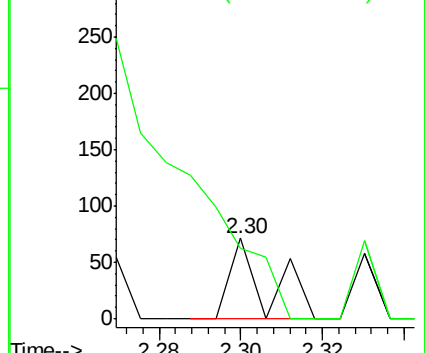
56 100

55 0.0 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 4.136 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007871.D

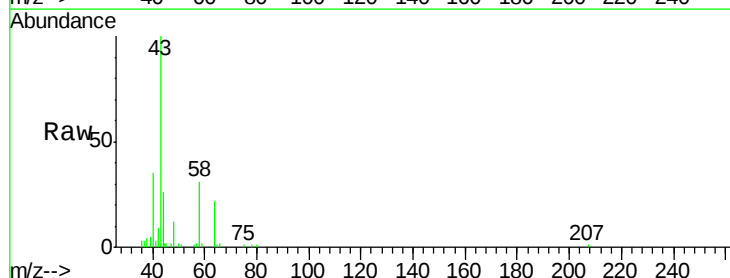
Acq: 06 Mar 2019 20:14

Tgt Ion: 43 Resp: 7540

Ion Ratio Lower Upper

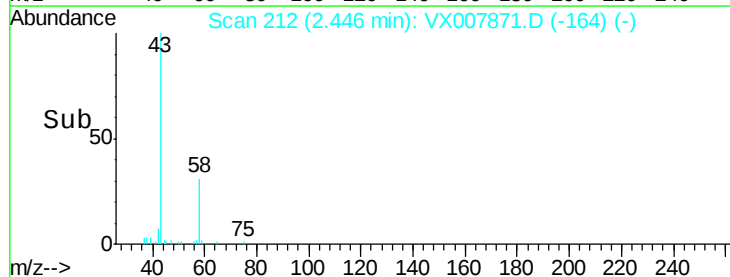
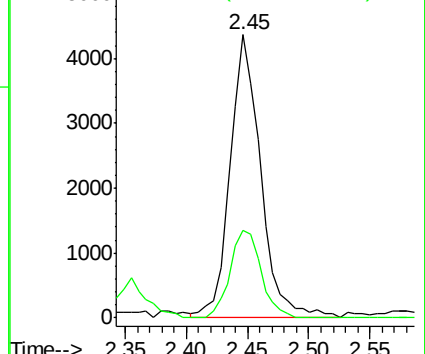
43 100

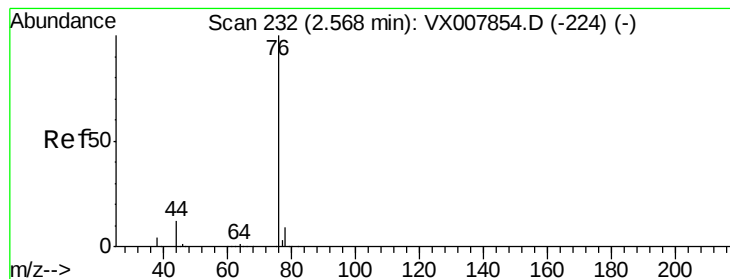
58 30.7 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX007871.D

Acq: 06 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

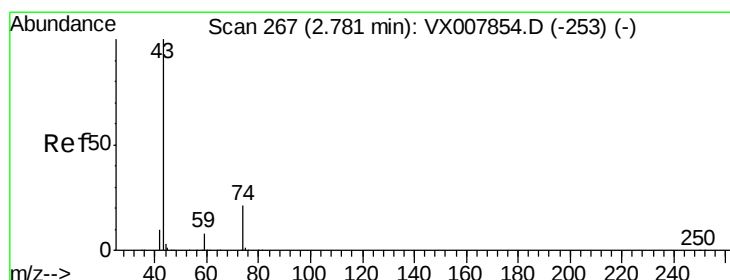
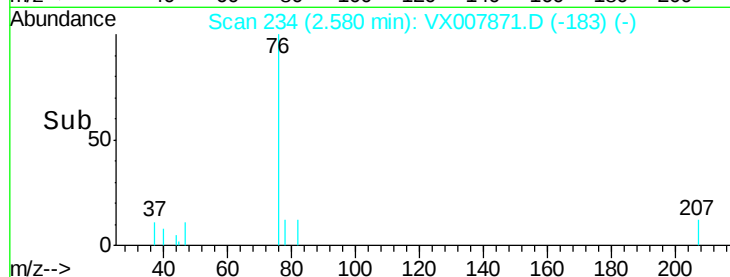
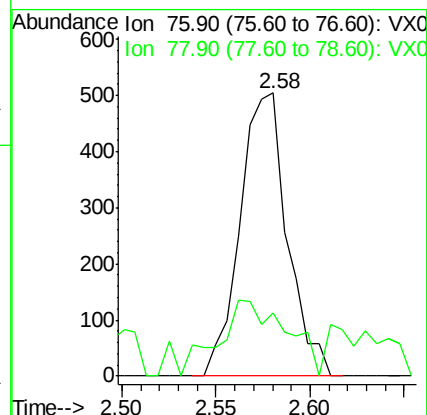
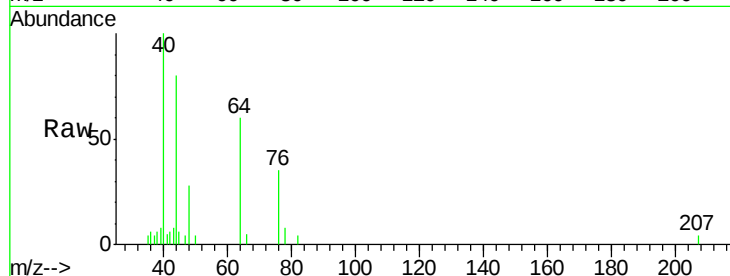
BP-VPB201-GW-540-542

Tgt Ion: 76 Resp: 876

Ion Ratio Lower Upper

76 100

78 11.1 7.2 10.8#



#18

Methyl Acetate

Concen: 0.312 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007871.D

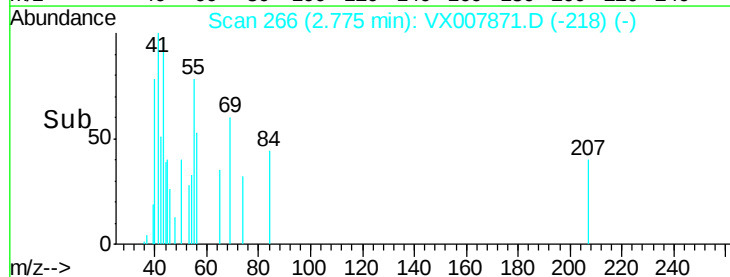
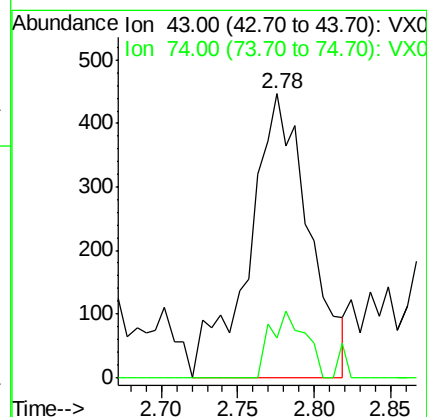
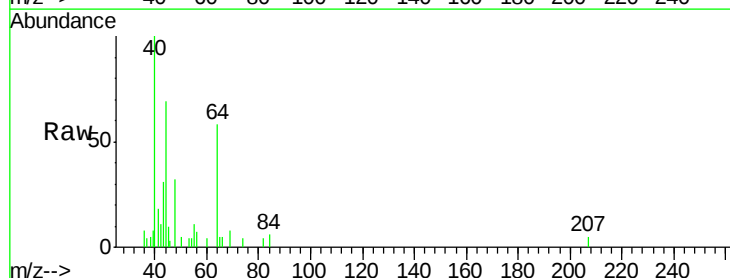
Acq: 06 Mar 2019 20:14

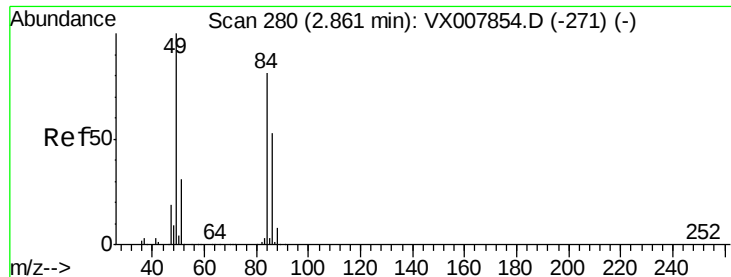
Tgt Ion: 43 Resp: 1209

Ion Ratio Lower Upper

43 100

74 13.5 17.8 26.6#

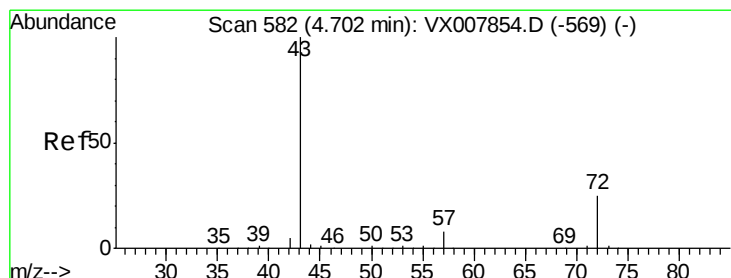
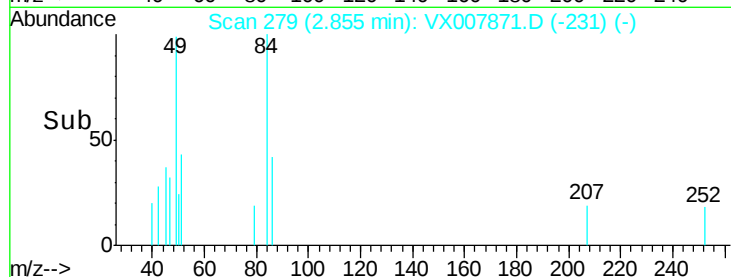
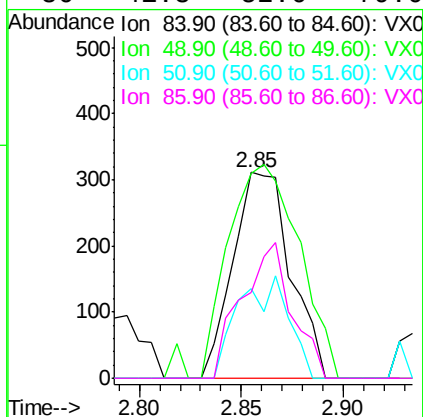
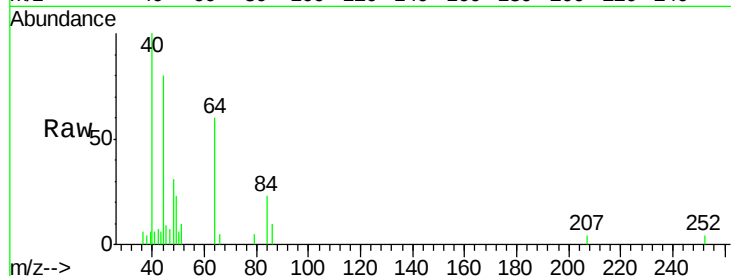




#20
Methylene Chloride
Concen: 0.211 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007871.D
Acq: 06 Mar 2019 20:14

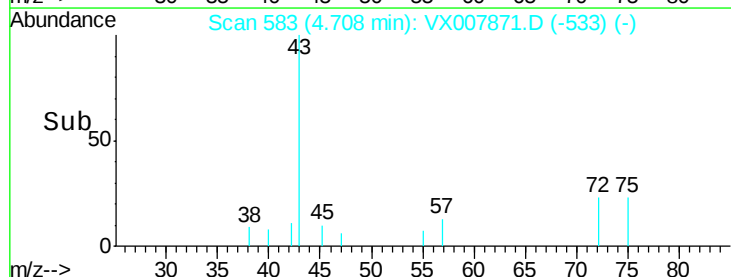
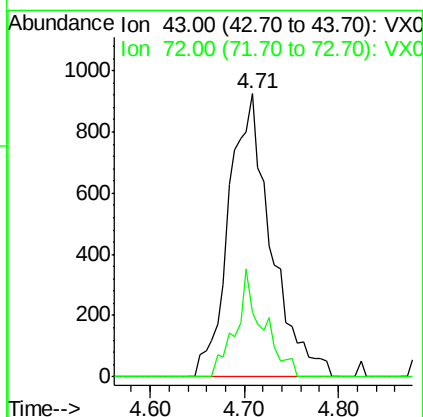
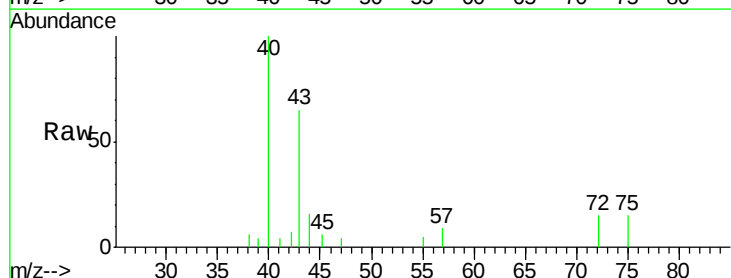
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-540-542

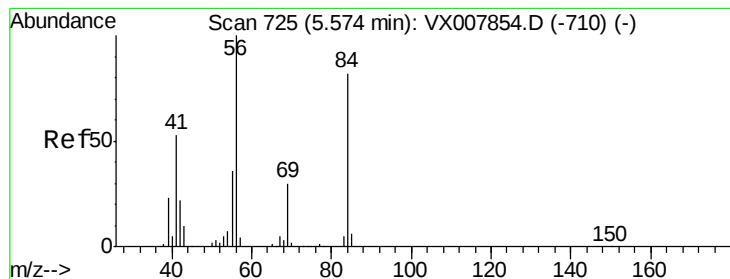
Tgt Ion:	84	Resp:	612
Ion	Ratio	Lower	Upper
84	100		
49	99.4	99.3	148.9
51	43.4	31.3	46.9
86	41.8	52.6	79.0#



#25
2-Butanone
Concen: 1.120 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX007871.D
Acq: 06 Mar 2019 20:14

Tgt Ion:	43	Resp:	2890
Ion	Ratio	Lower	Upper
43	100		
72	22.8	19.9	29.9





#31

Cyclohexane

Concen: 0.998 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX007871.D

Acq: 06 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-540-542

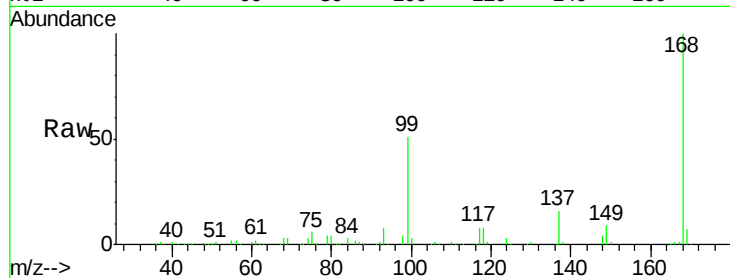
Tgt Ion: 56 Resp: 4828

Ion Ratio Lower Upper

56 100

69 175.1 24.0 36.0#

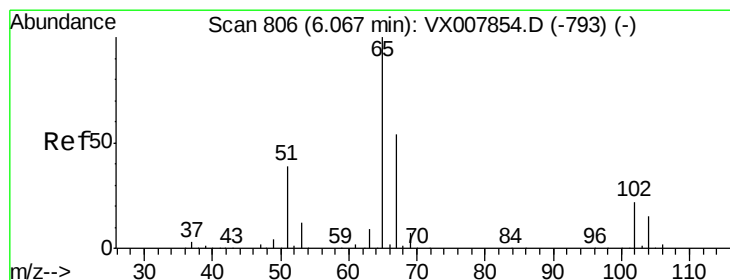
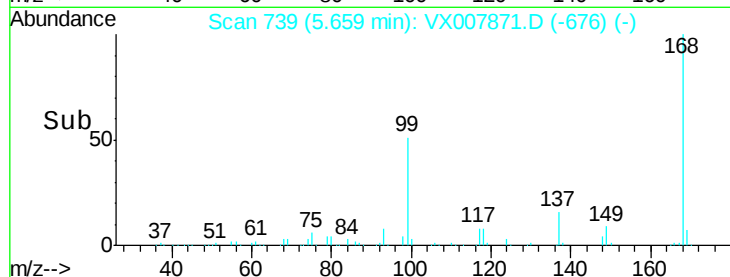
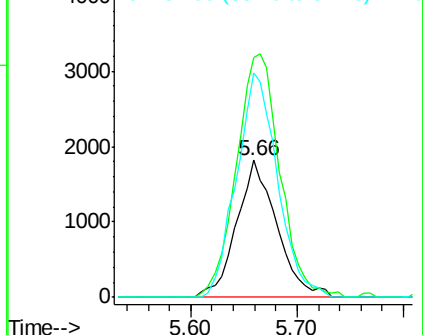
84 163.6 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.560 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007871.D

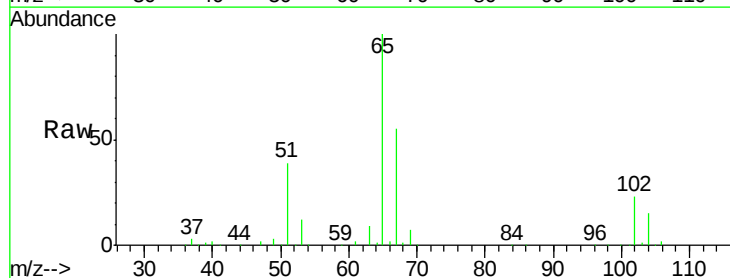
Acq: 06 Mar 2019 20:14

Tgt Ion: 65 Resp: 162383

Ion Ratio Lower Upper

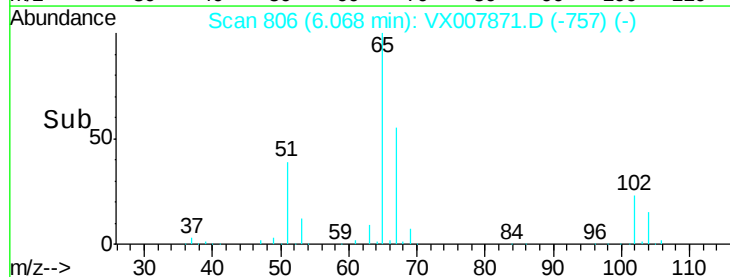
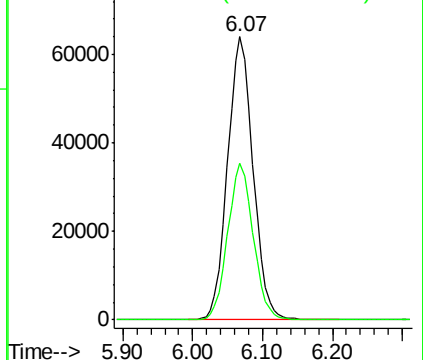
65 100

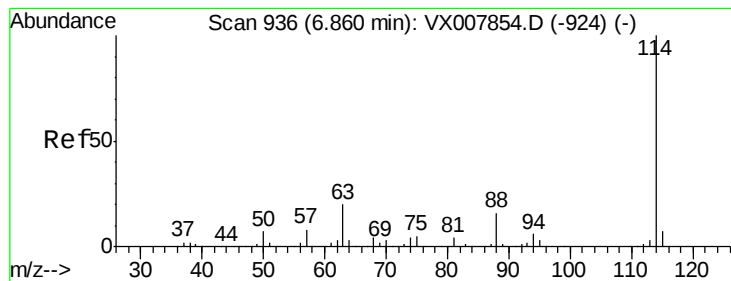
67 55.1 0.0 110.0



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: VX007871.D

Acq: 06 Mar 2019 20:14

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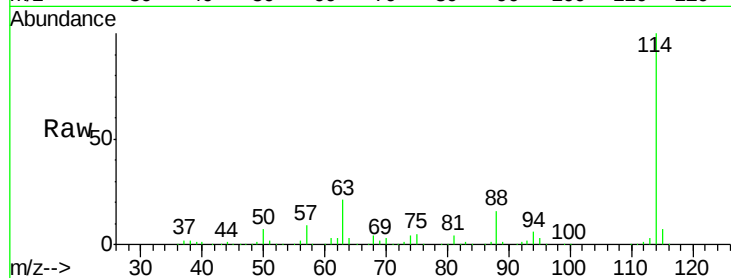
Tgt Ion:114 Resp: 461548

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.8

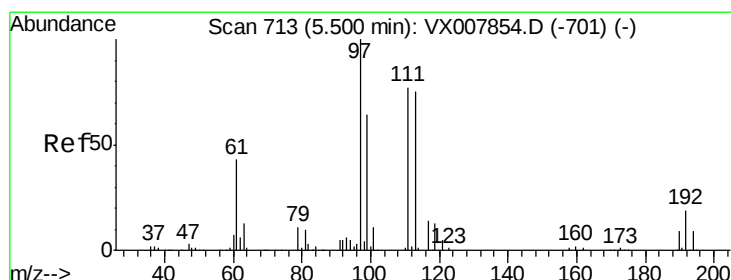
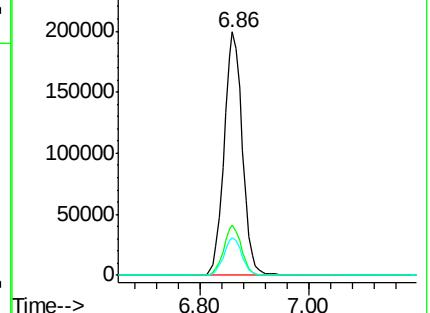
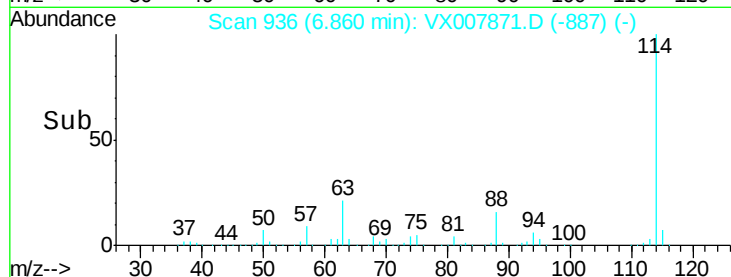
88 15.6 0.0 31.4



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: 50.699 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007871.D

Acq: 06 Mar 2019 20:14

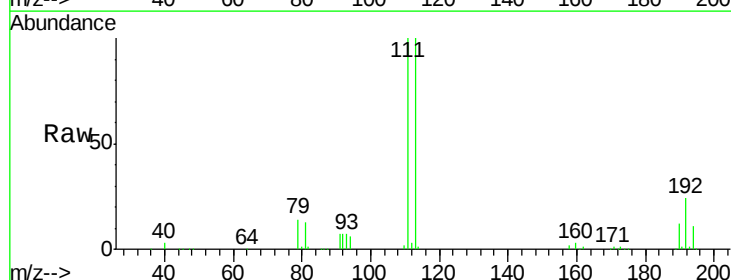
Tgt Ion:113 Resp: 149682

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

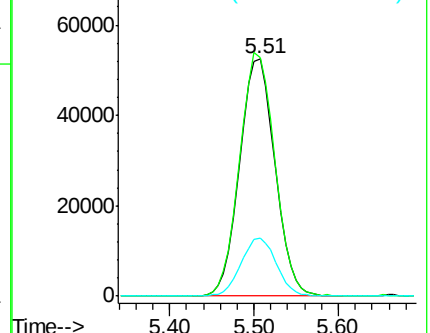
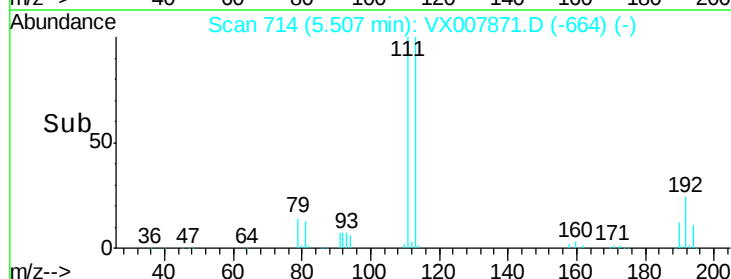
192 24.3 19.4 29.0

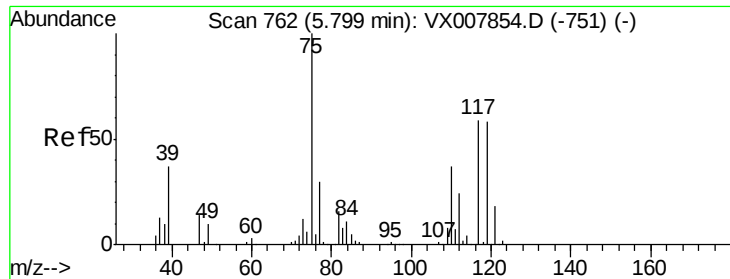


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

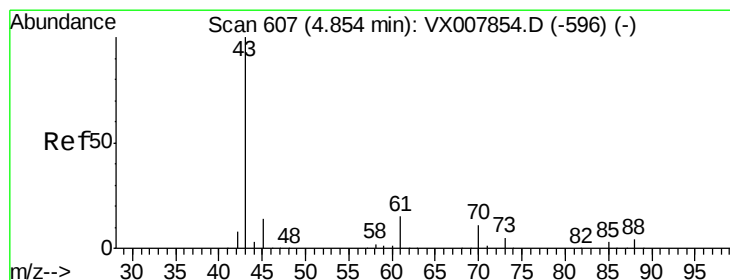
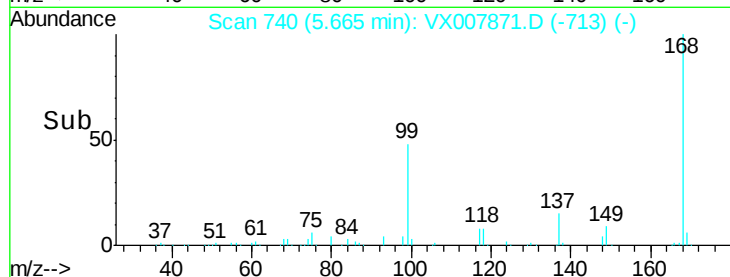
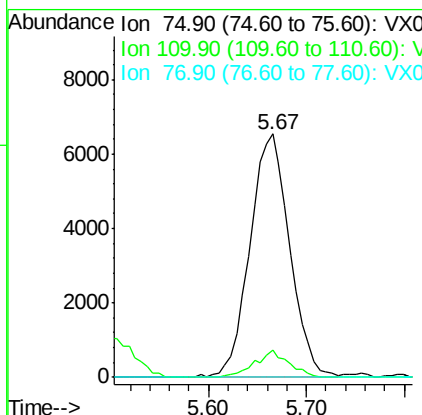
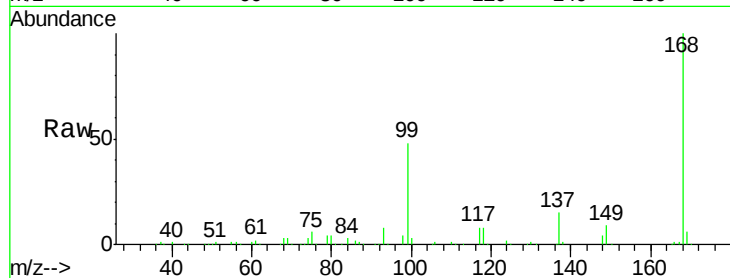




#36
 1,1-Dichloropropene
 Concen: 4.403 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007871.D
 Acq: 06 Mar 2019 20:14

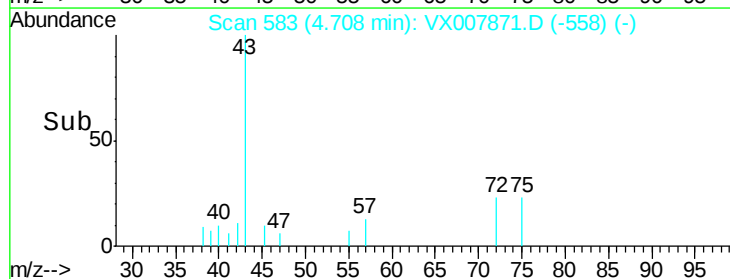
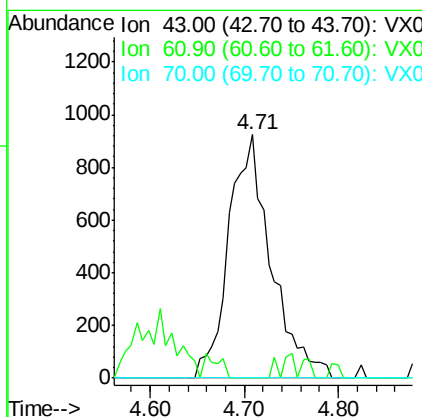
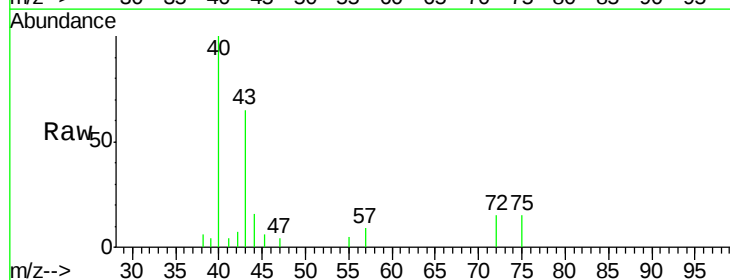
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-540-542

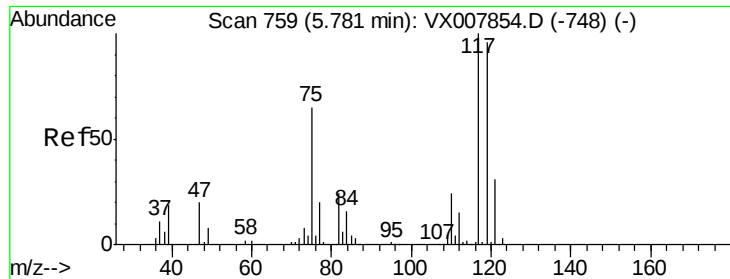
Tgt Ion: 75 Resp: 18401
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.4 55.0#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 0.583 ug/l
 RT: 4.71 min Scan# 583
 Delta R.T. -0.15 min
 Lab File: VX007871.D
 Acq: 06 Mar 2019 20:14

Tgt Ion: 43 Resp: 2890
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.3 16.9#
 70 0.0 8.5 12.7#





#38

Carbon Tetrachloride

Concen: 6.375 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007871.D

Acq: 06 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-540-542

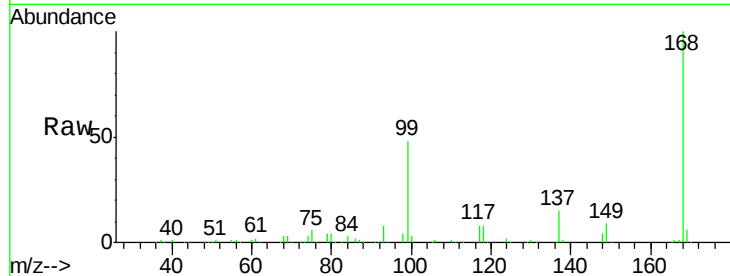
Tgt Ion:117 Resp: 25292

Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.2#

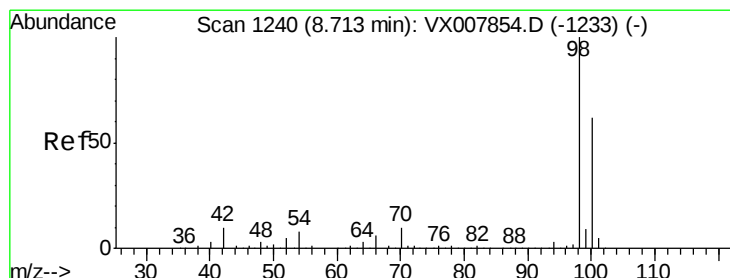
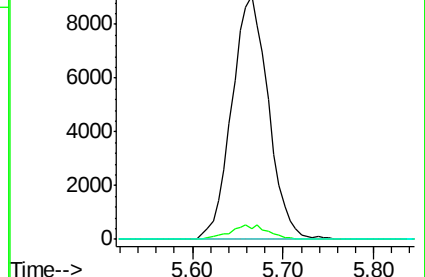
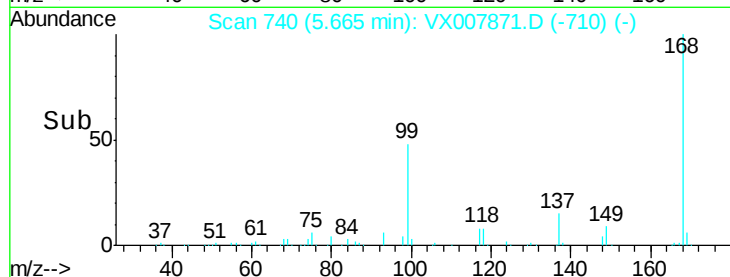
121 0.0 24.6 36.8#



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: 52.041 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007871.D

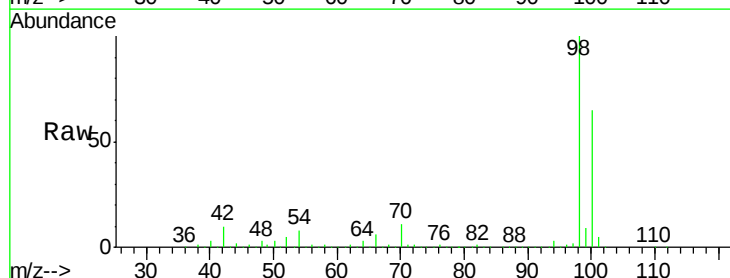
Acq: 06 Mar 2019 20:14

Tgt Ion: 98 Resp: 564261

Ion Ratio Lower Upper

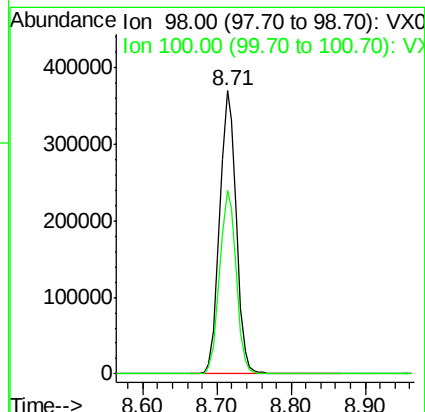
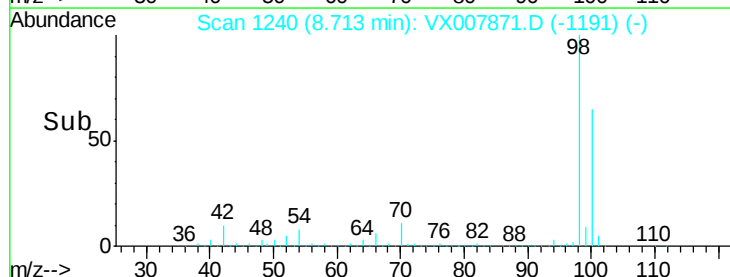
98 100

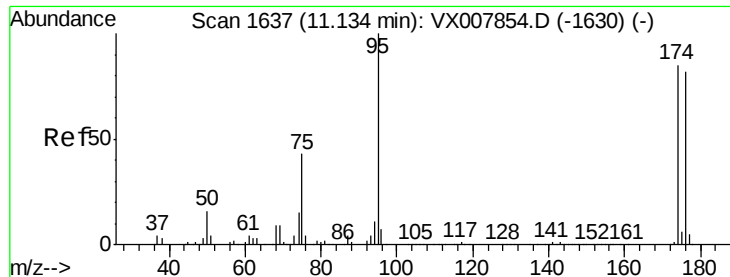
100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

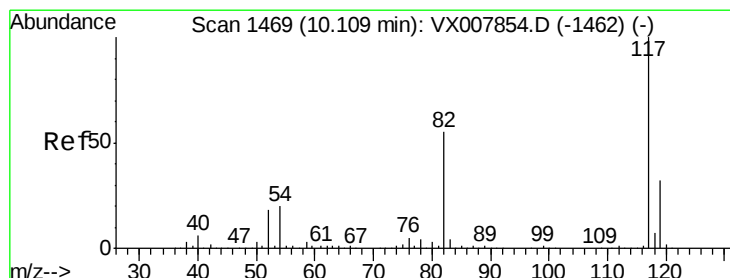
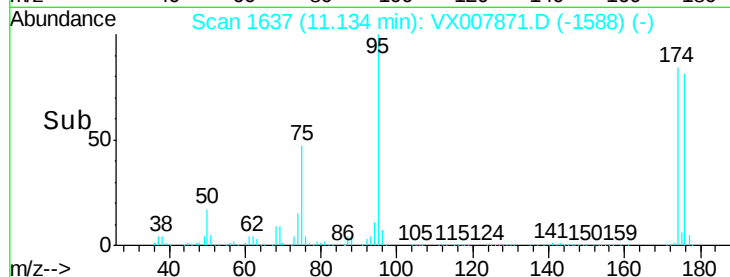
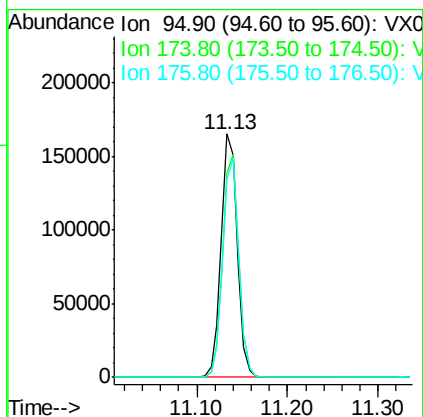
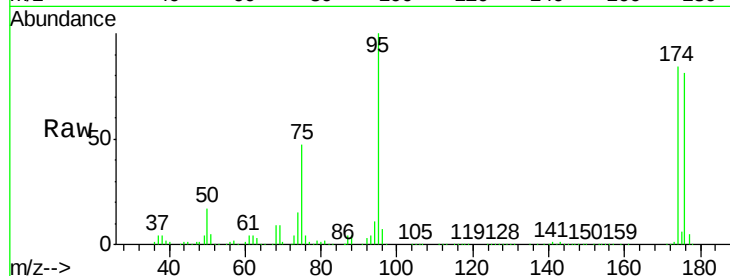




#62
4-Bromofluorobenzene
Concen: 54.161 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007871.D
Acq: 06 Mar 2019 20:14

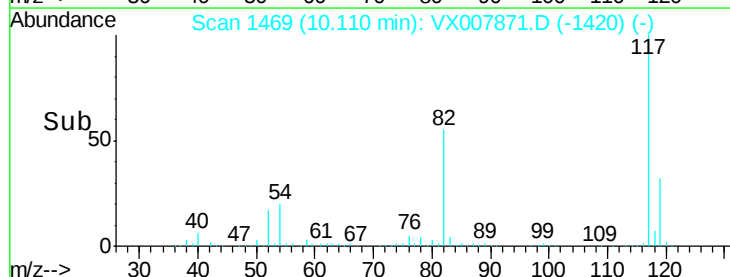
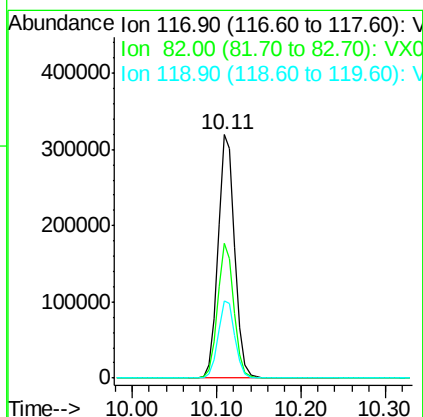
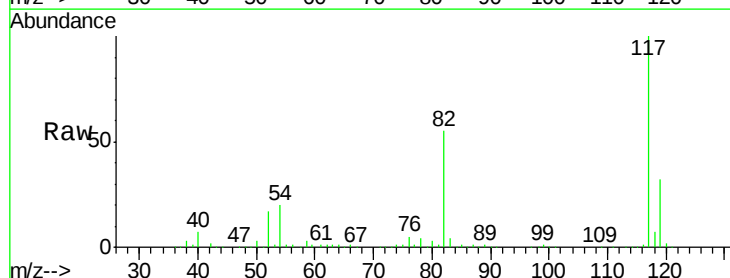
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-540-542

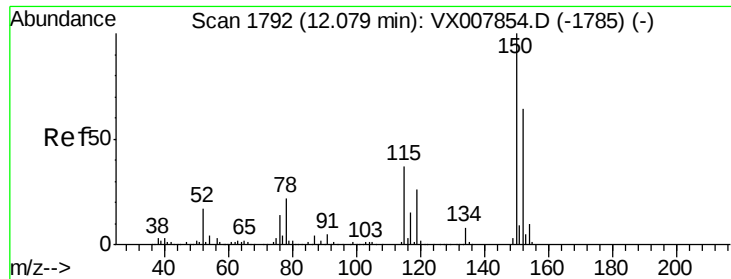
Tgt Ion: 95 Resp: 205894
Ion Ratio Lower Upper
95 100
174 91.8 0.0 182.8
176 89.0 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007871.D
Acq: 06 Mar 2019 20:14

Tgt Ion: 117 Resp: 434394
Ion Ratio Lower Upper
117 100
82 55.2 44.3 66.5
119 31.8 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007871.D

Acq: 06 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-540-542

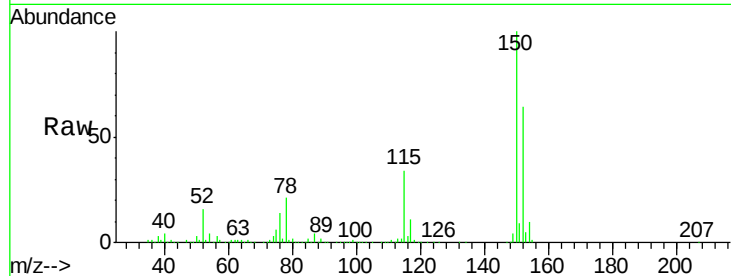
Tgt Ion: 152 Resp: 210625

Ion Ratio Lower Upper

152 100

115 54.9 38.6 115.7

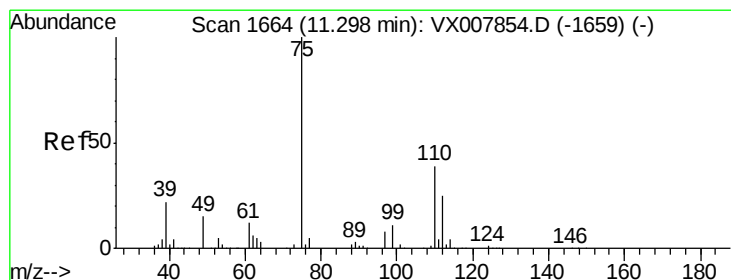
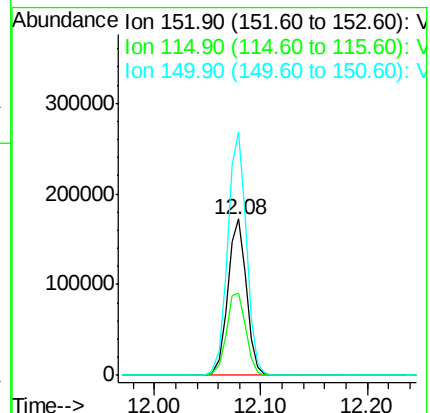
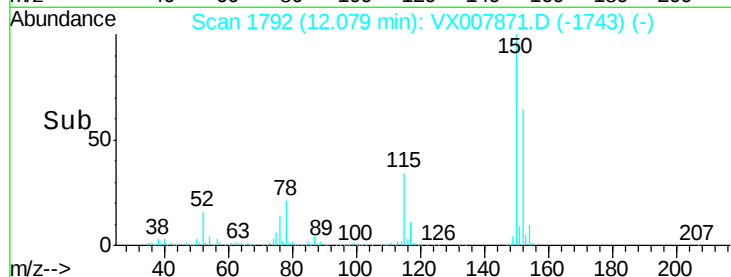
150 156.8 0.0 348.4



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: 21.586 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007871.D

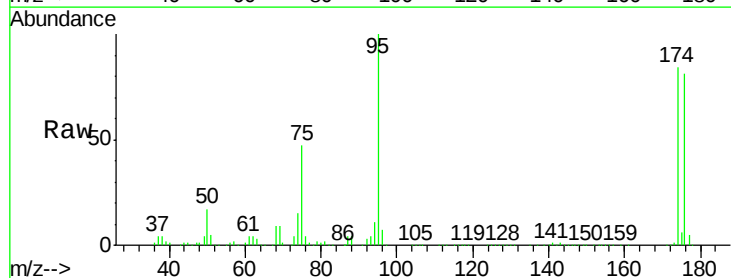
Acq: 06 Mar 2019 20:14

Tgt Ion: 75 Resp: 95404

Ion Ratio Lower Upper

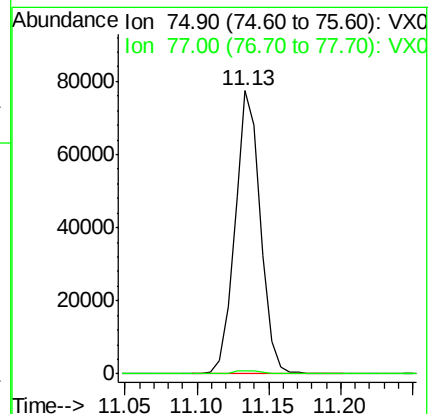
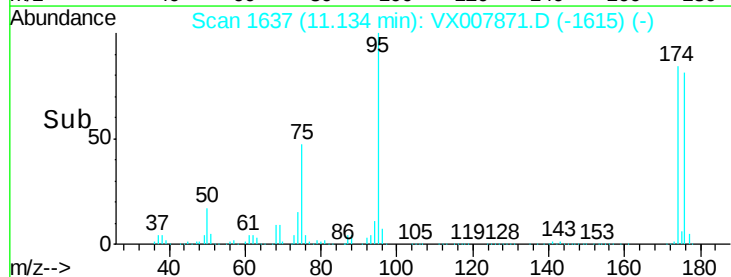
75 100

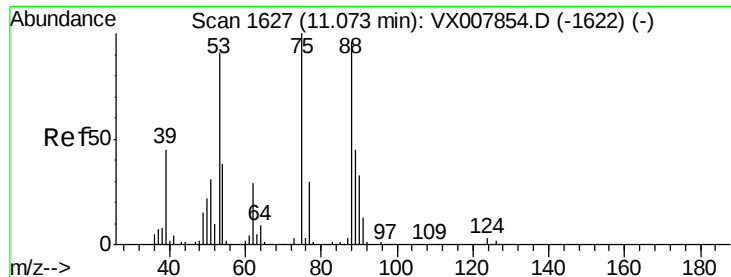
77 1.2 18.9 56.7#



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: 68.998 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007871.D

Acq: 06 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-540-542

Tgt Ion: 75 Resp: 95404

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#

