

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009680.D
 Acq On : 17 May 2019 22:27
 Operator : JC/SP
 Sample : K2891-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-603-605

Quant Time: May 18 04:54:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	163471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	260019	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	227055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	92647	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	110123	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
35) Dibromofluoromethane	5.50	113	80652	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	8.71	98	326996	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.13	95	104813	43.71	ug/l	0.00
Spiked Amount			Recovery	=	87.42%	

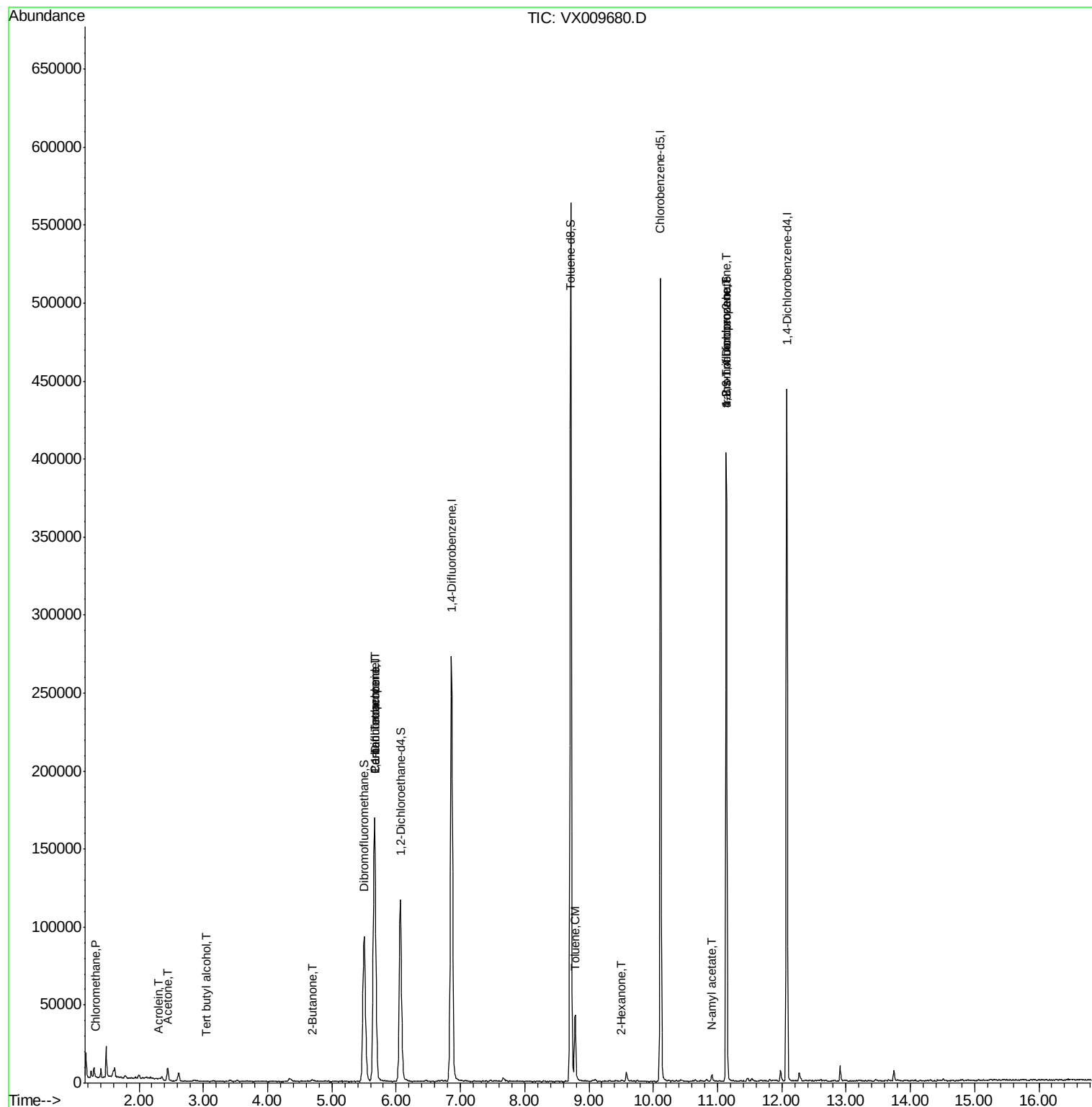
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	518	0.252	ug/l #	38
11) Tert butyl alcohol	3.04	59	155	0.300	ug/l #	73
13) Acrolein	2.30	56	347	0.742	ug/l #	75
16) Acetone	2.45	43	8591	7.170	ug/l	97
25) 2-Butanone	4.69	43	1967	1.056	ug/l #	84
28) Bromochloromethane	4.98	49	19	Below Cal	#	20
36) 1,1-Dichloropropene	5.67	75	12712	5.261	ug/l #	51
38) Carbon Tetrachloride	5.67	117	15085	6.871	ug/l #	16
52) Toluene	8.79	92	15632	3.439	ug/l	95
59) 2-Hexanone	9.50	43	604	0.218	ug/l	94
74) N-amyl acetate	10.91	43	827	0.211	ug/l #	25
76) 1,2,3-Trichloropropane	11.13	75	54378	25.303	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	54378	64.741	ug/l #	10

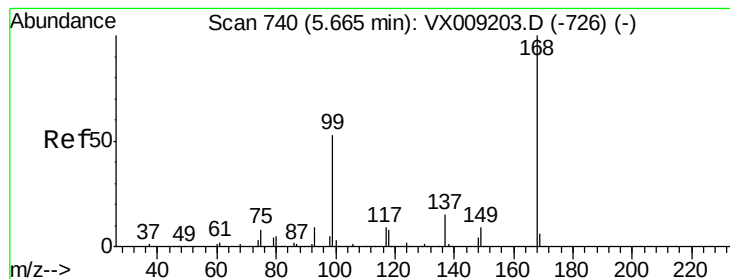
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009680.D

Acq: 17 May 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

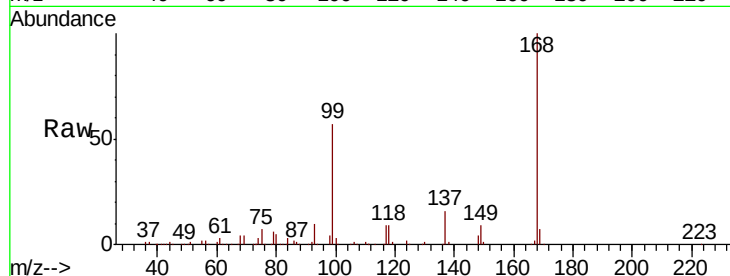
BP-VPB202-GW-603-605

Tot Ion:168 Resp: 163471

Ion Ratio Lower Upper

168 100

99 56.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

40000

20000

0

5.67

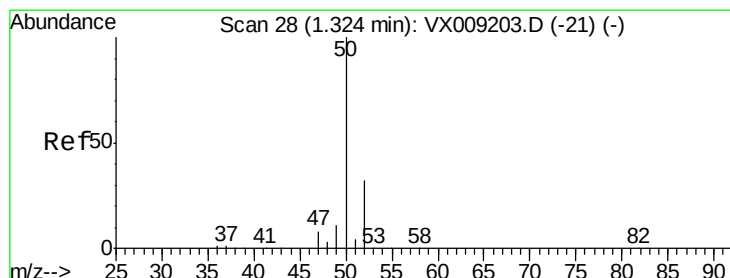
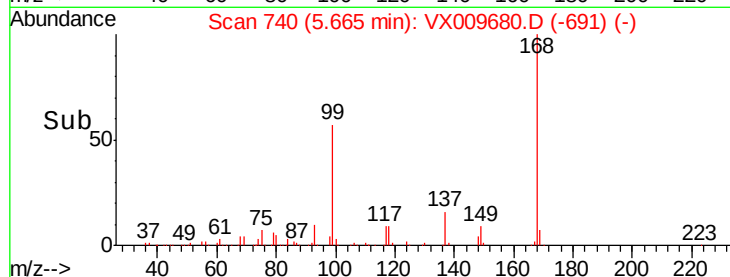
5.50

5.60

5.70

5.80

Time-->



#3

Chloromethane

Concen: 0.252 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009680.D

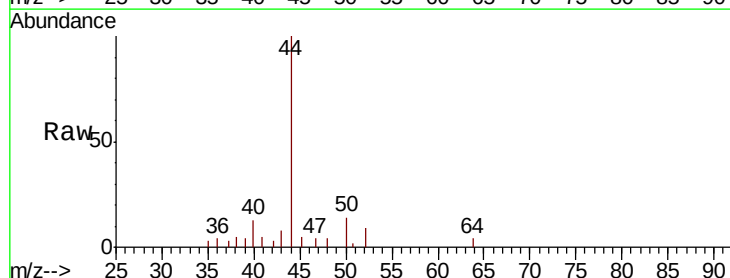
Acq: 17 May 2019 22:27

Tgt Ion: 50 Resp: 518

Ion Ratio Lower Upper

50 100

52 67.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

300

200

100

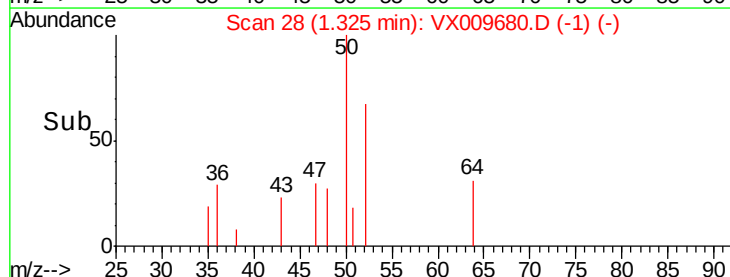
0

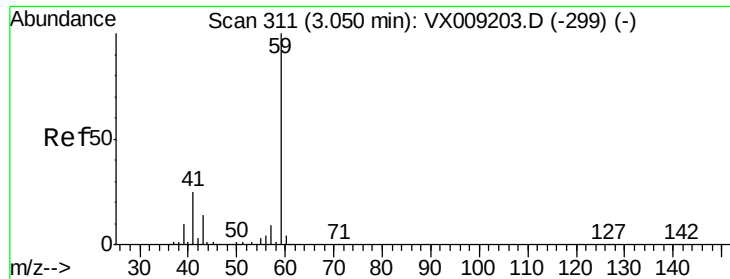
1.32

1.30

1.35

Time-->

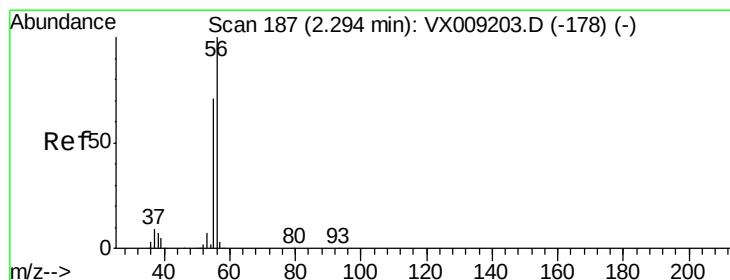
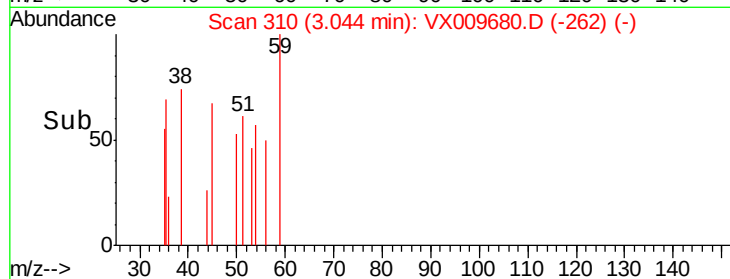
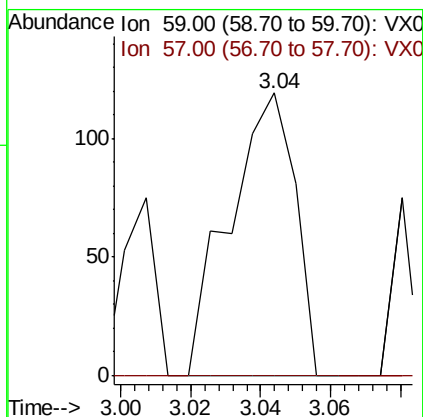
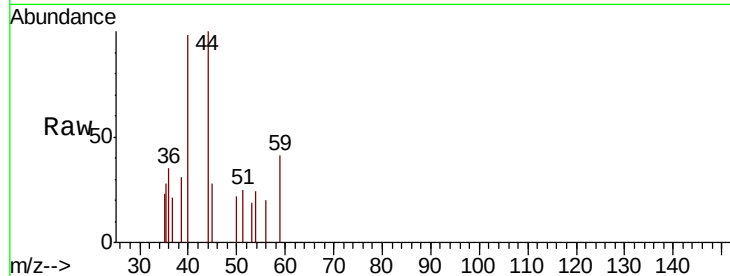




#11
Tert butyl alcohol
Concen: 0.300 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009680.D
Acq: 17 May 2019 22:27

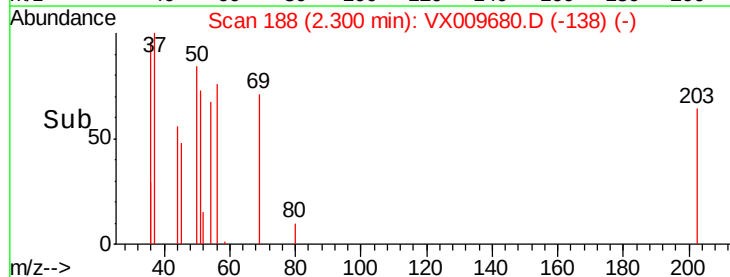
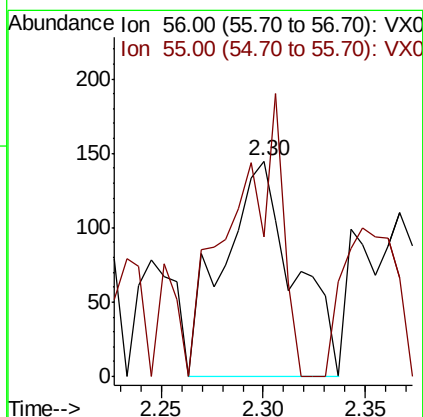
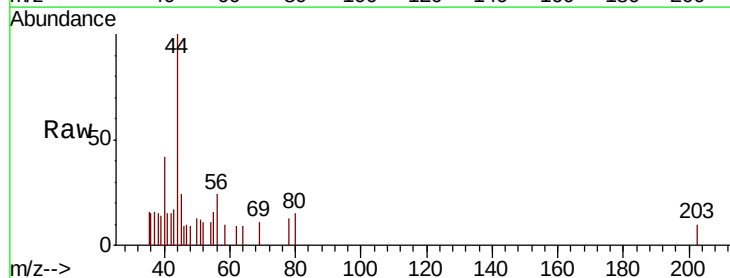
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-603-605

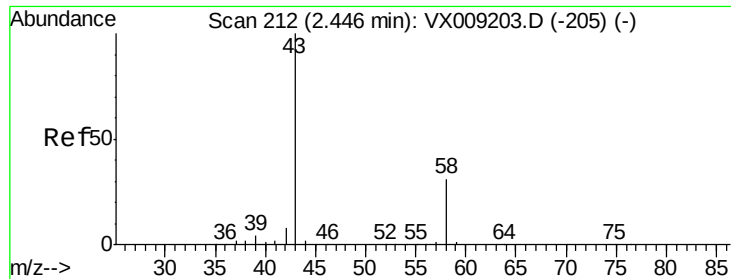
Tot Ion: 59 Resp: 155
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.742 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX009680.D
Acq: 17 May 2019 22:27

Tgt Ion: 56 Resp: 347
Ion Ratio Lower Upper
56 100
55 91.6 56.6 85.0#

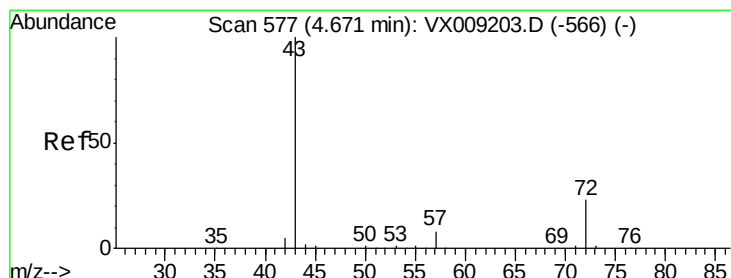
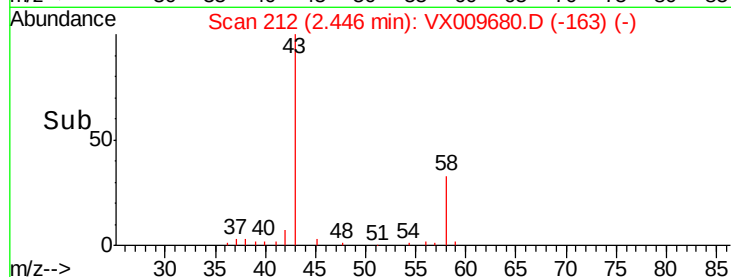
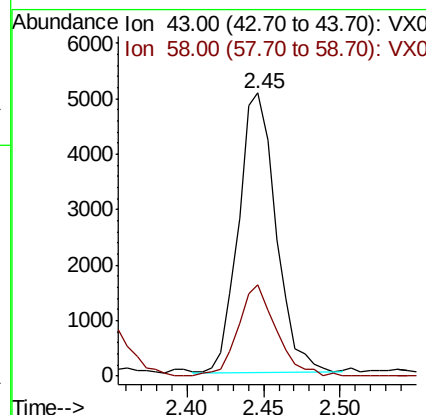
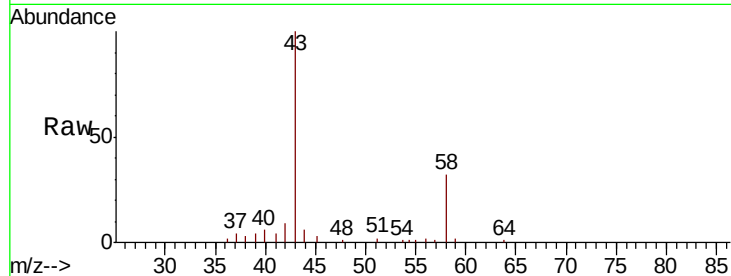




#16
Acetone
Concen: 7.170 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX009680.D
Acq: 17 May 2019 22:27

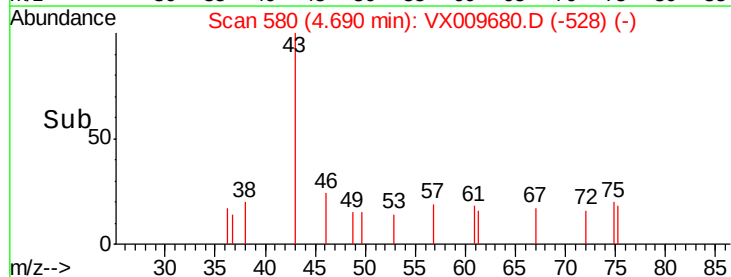
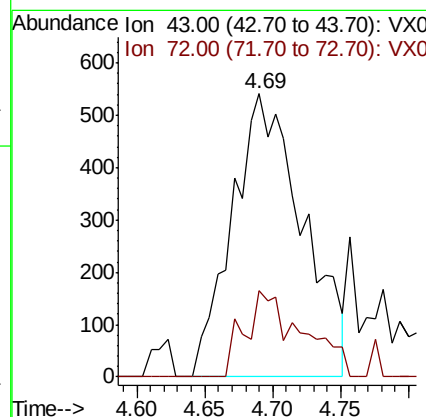
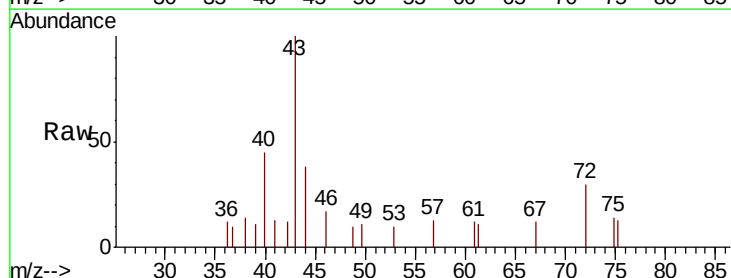
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-603-605

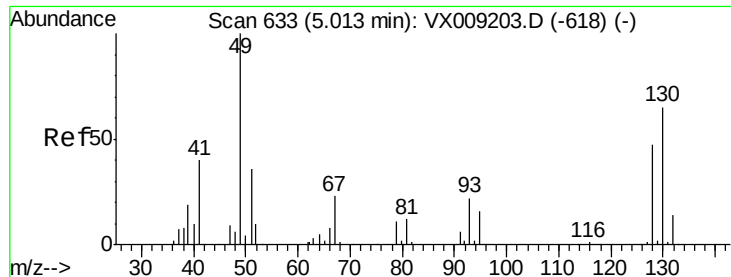
Tot Ion: 43 Resp: 8591
Ion Ratio Lower Upper
43 100
58 32.9 24.9 37.3



#25
2-Butanone
Concen: 1.056 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX009680.D
Acq: 17 May 2019 22:27

Tgt Ion: 43 Resp: 1967
Ion Ratio Lower Upper
43 100
72 30.3 18.2 27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 4.98 min Scan# 628

Delta R.T. -0.03 min

Lab File: VX009680.D

Acq: 17 May 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-603-605

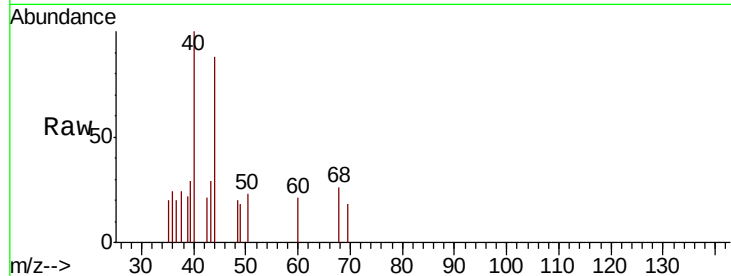
Tot Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

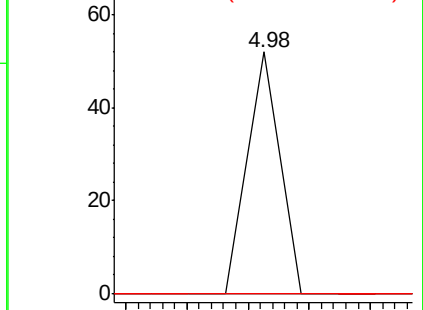
130 0.0 51.2 76.8#



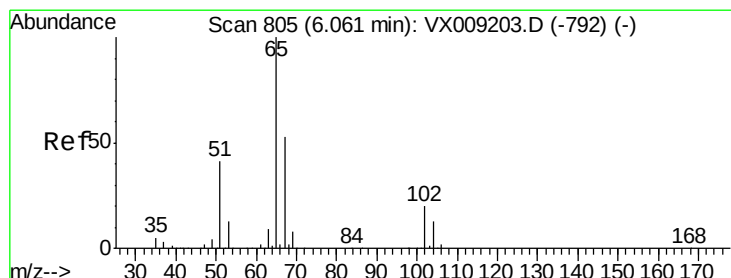
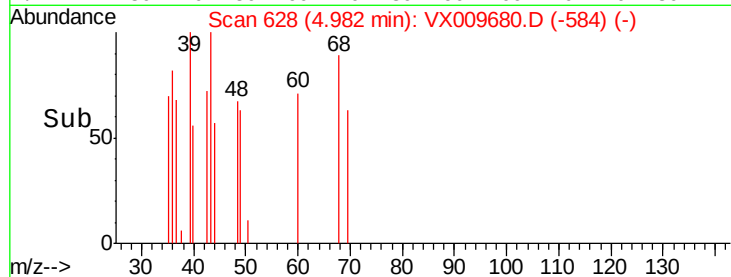
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.348 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009680.D

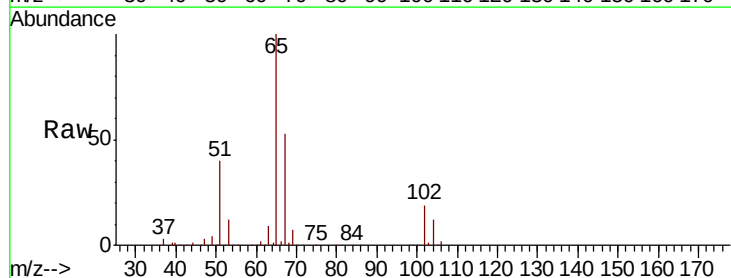
Acq: 17 May 2019 22:27

Tgt Ion: 65 Resp: 110123

Ion Ratio Lower Upper

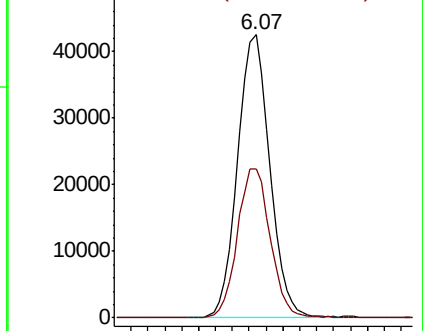
65 100

67 53.8 0.0 106.6

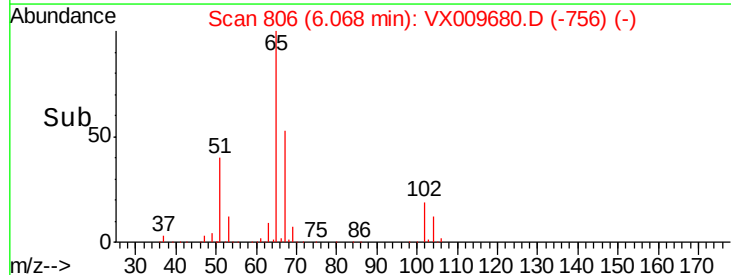


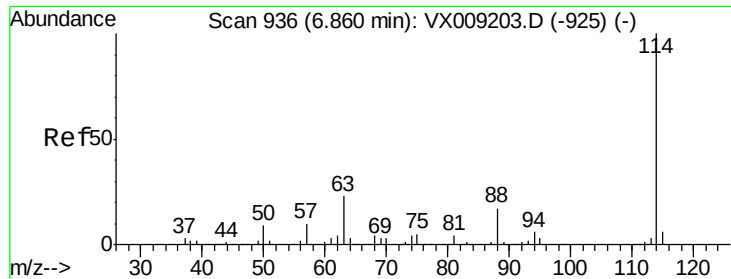
Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->

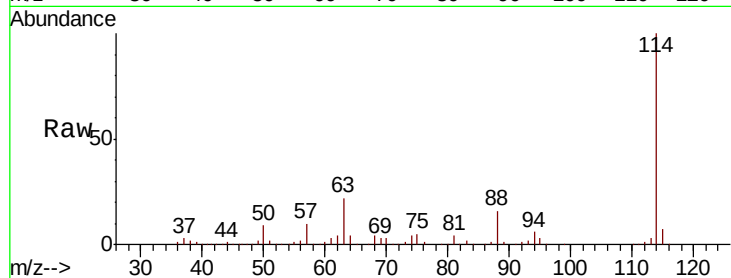




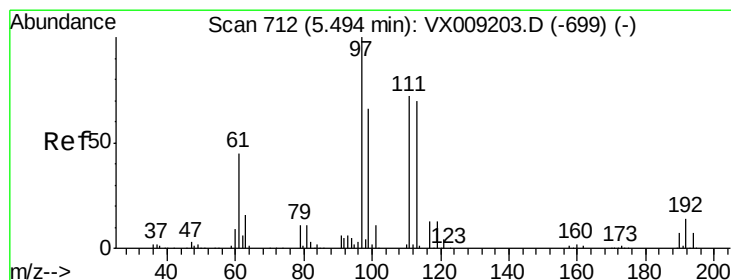
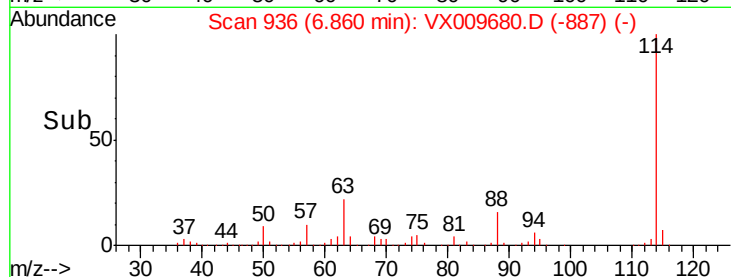
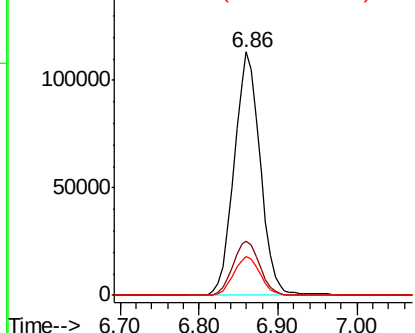
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009680.D
 Acq: 17 May 2019 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-603-605

Tot Ion:114 Resp: 260019
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.6
 88 16.2 0.0 33.2

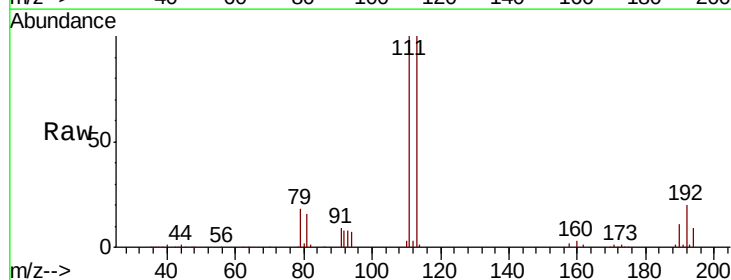


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

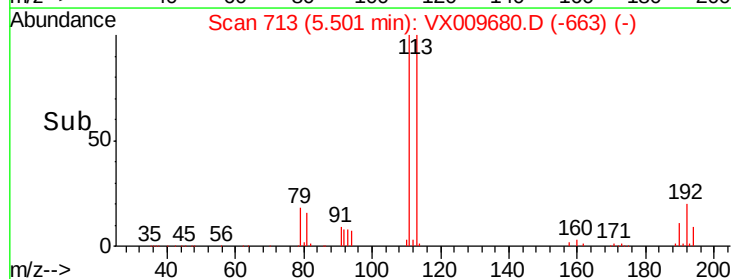
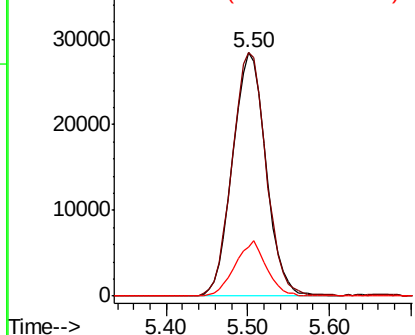


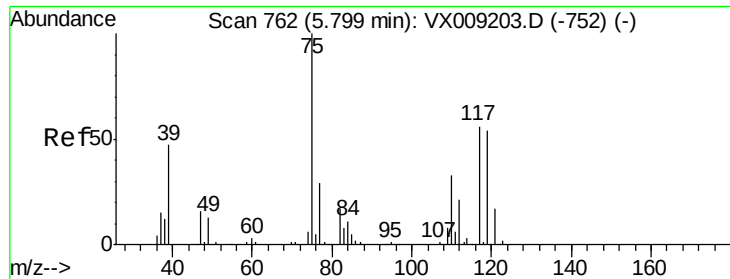
#35
 Dibromofluoromethane
 Concen: 49.341 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009680.D
 Acq: 17 May 2019 22:27

Tgt Ion:113 Resp: 80652
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.8 124.2
 192 21.3 17.0 25.6



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

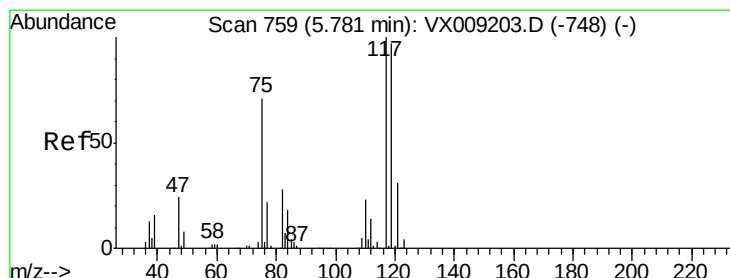
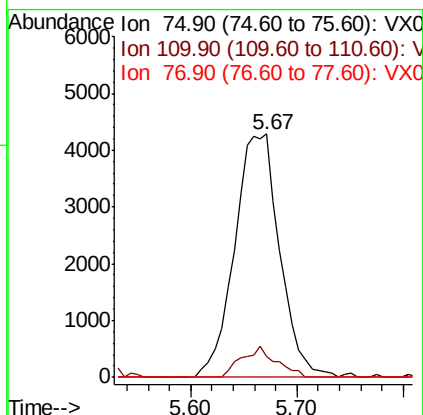
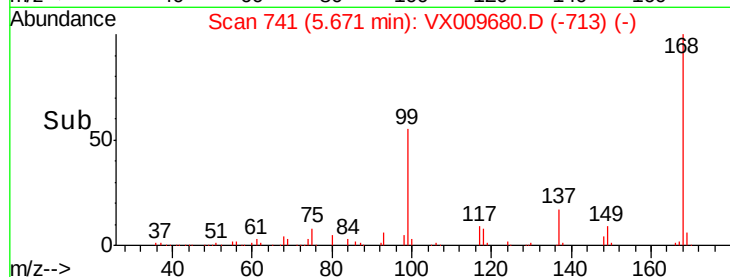
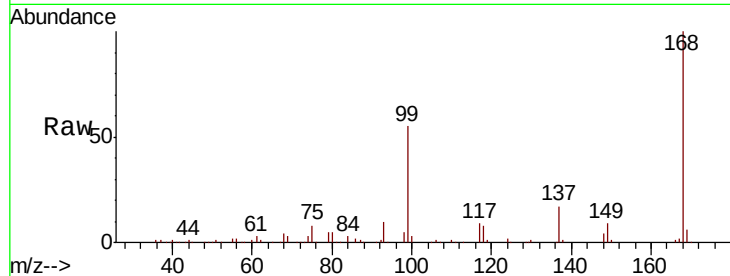




#36
 1,1-Dichloropropene
 Concen: 5.261 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.13 min
 Lab File: VX009680.D
 Acq: 17 May 2019 22:27

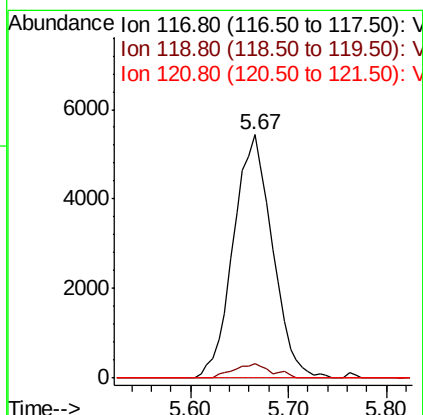
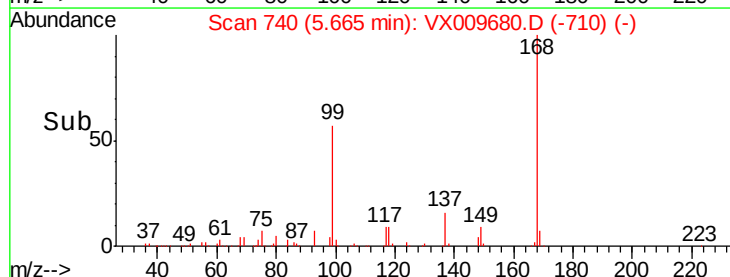
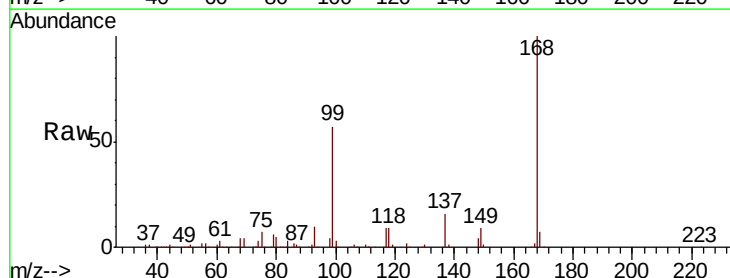
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-603-605

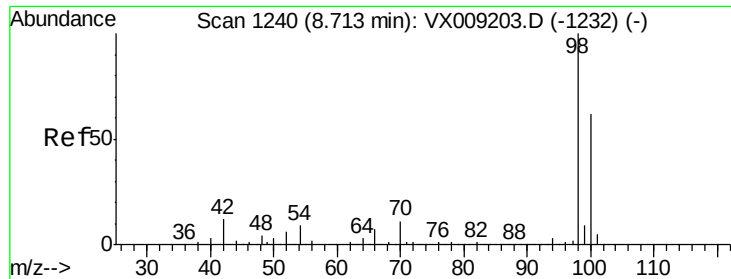
Tot Ion	75	Resp	12712
Ion Ratio	100	Lower	Upper
75	100		
110	9.7	16.9	50.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.871 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009680.D
 Acq: 17 May 2019 22:27

Tgt Ion	117	Resp	15085
Ion Ratio	100	Lower	Upper
117	100		
119	6.2	77.5	116.3#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 49.551 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009680.D

Acq: 17 May 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

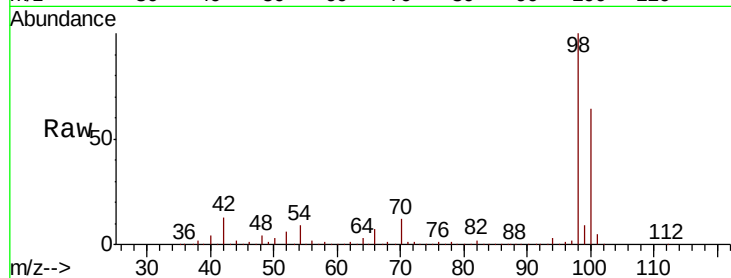
BP-VPB202-GW-603-605

Tot Ion: 98 Resp: 326996

Ion Ratio Lower Upper

98 100

100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX009203.D (-1232) (-)

Ion 100.00 (99.70 to 100.70): VX009203.D (-1232) (-)

8.71

250000

200000

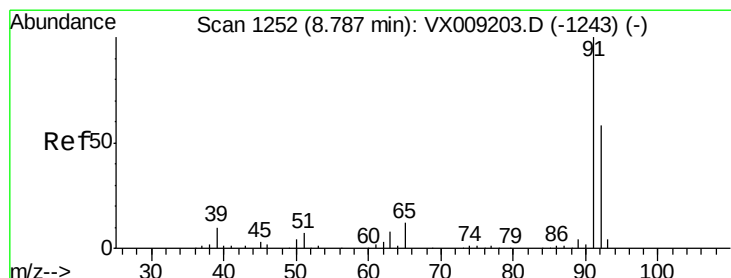
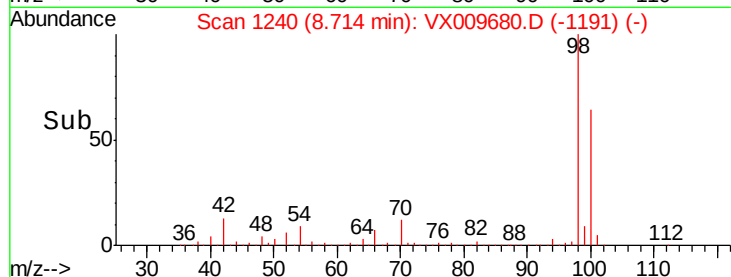
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 3.439 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009680.D

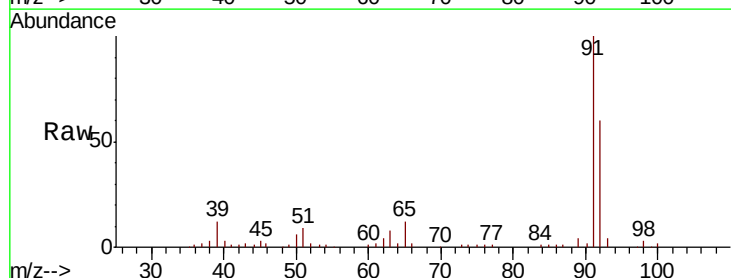
Acq: 17 May 2019 22:27

Tgt Ion: 92 Resp: 15632

Ion Ratio Lower Upper

92 100

91 166.0 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX009203.D (-1243) (-)

Ion 91.00 (90.70 to 91.70): VX009203.D (-1243) (-)

8.79

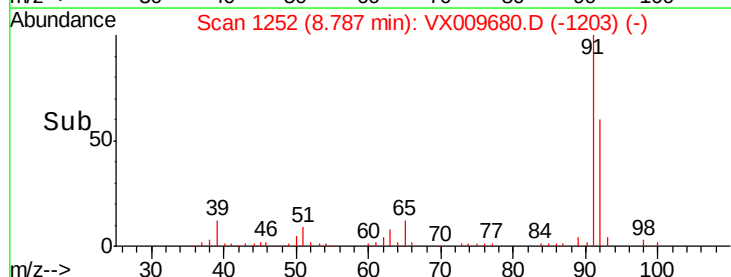
15000

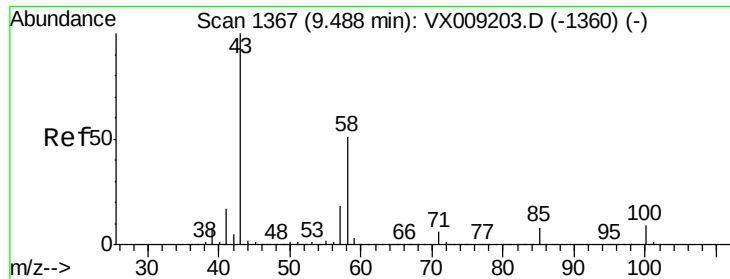
10000

5000

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Time-->

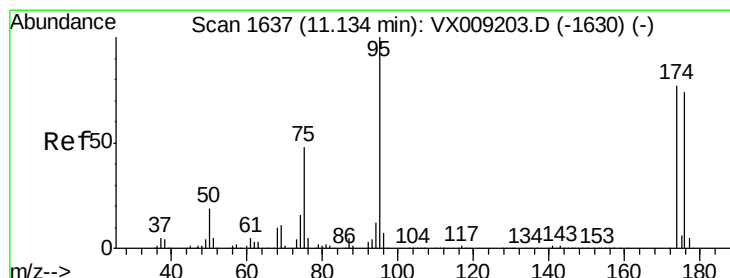
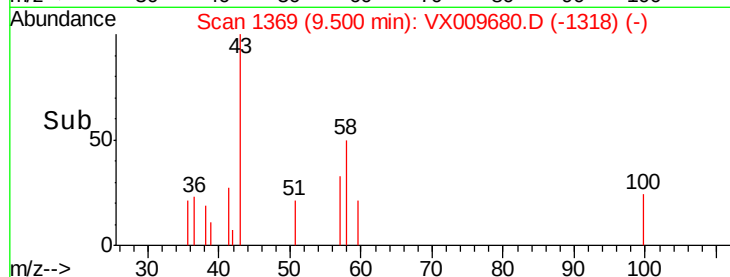
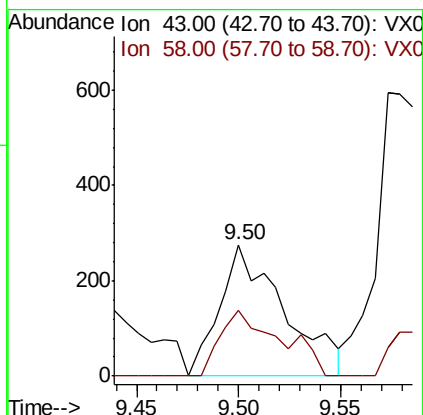
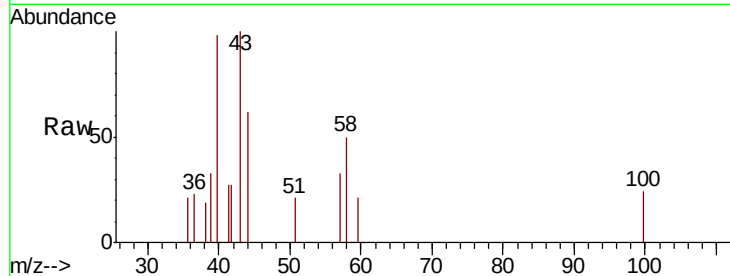




#59
2-Hexanone
Concen: 0.218 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX009680.D
Acq: 17 May 2019 22:27

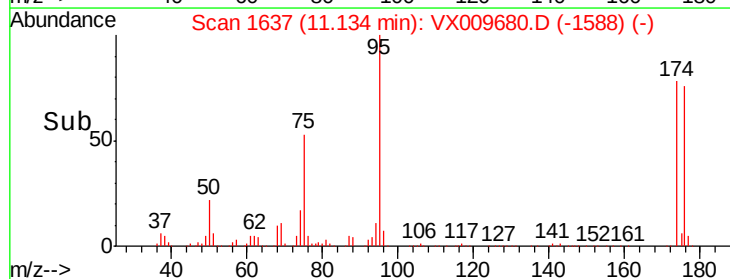
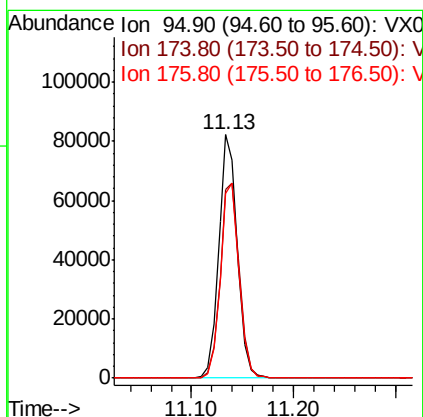
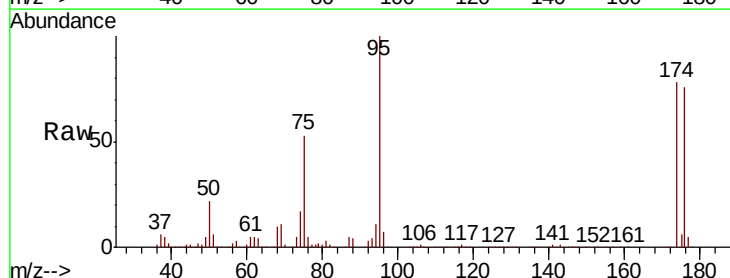
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-603-605

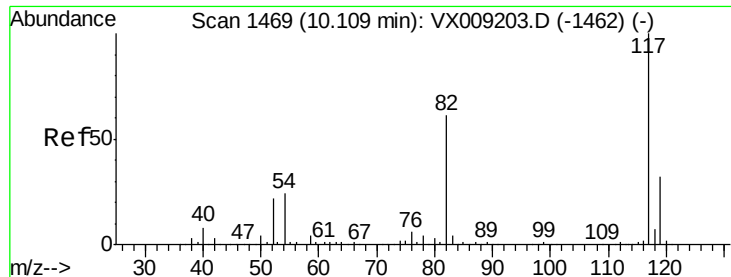
Tot Ion: 43 Resp: 604
Ion Ratio Lower Upper
43 100
58 47.4 25.9 77.7



#62
4-Bromofluorobenzene
Concen: 43.710 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009680.D
Acq: 17 May 2019 22:27

Tgt Ion: 95 Resp: 104813
Ion Ratio Lower Upper
95 100
174 82.6 0.0 161.6
176 80.3 0.0 159.2

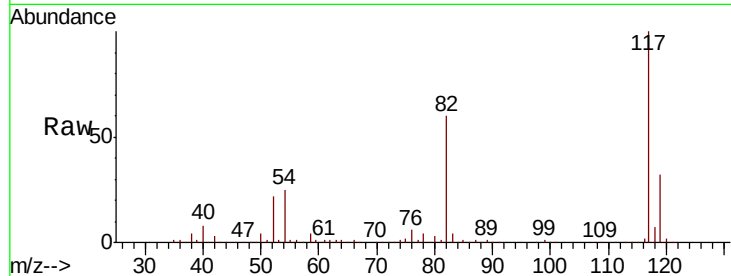




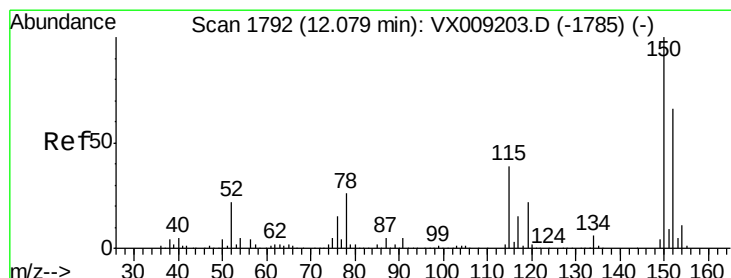
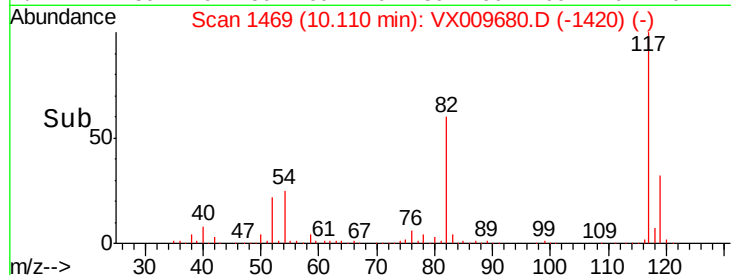
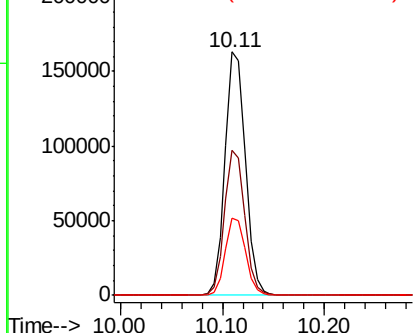
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009680.D
Acq: 17 May 2019 22:27

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-603-605

Tot Ion:117 Resp: 227055
Ion Ratio Lower Upper
117 100
82 59.6 48.8 73.2
119 31.7 25.8 38.6

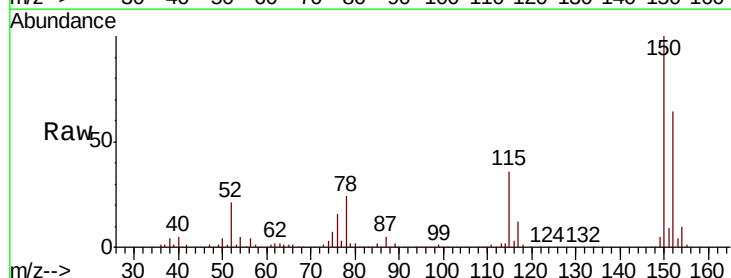


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

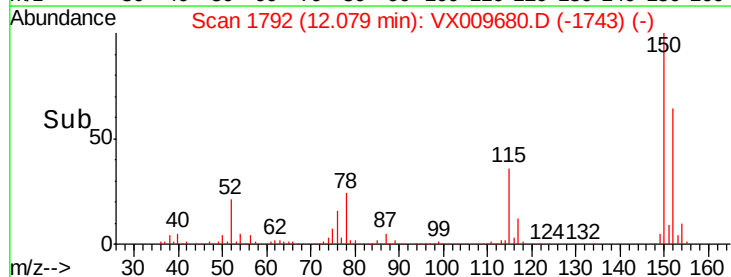
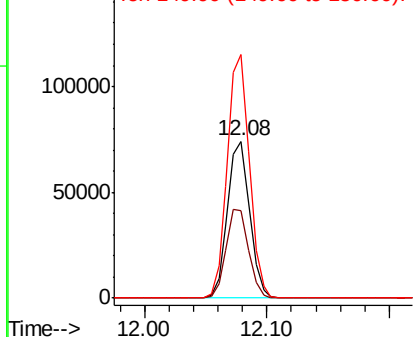


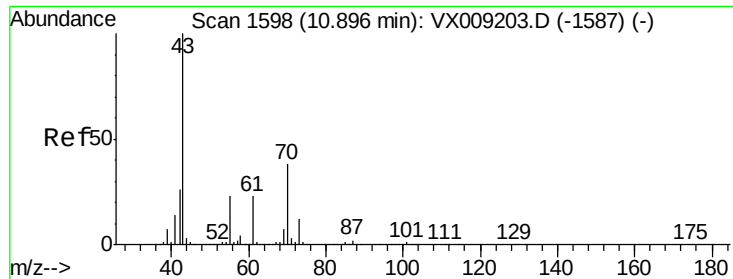
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009680.D
Acq: 17 May 2019 22:27

Tgt Ion:152 Resp: 92647
Ion Ratio Lower Upper
152 100
115 57.8 41.2 123.6
150 154.9 0.0 346.4



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





#74

N-amvl acetate

Concen: 0.211 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX009680.D

Acq: 17 May 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-603-605

Tot Ion: 43 Resp: 827

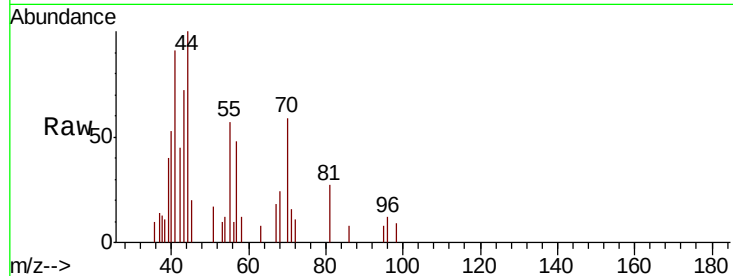
Ion Ratio Lower Upper

43 100

70 77.1 30.0 45.0#

55 79.7 17.9 26.9#

61 0.0 18.4 27.6#

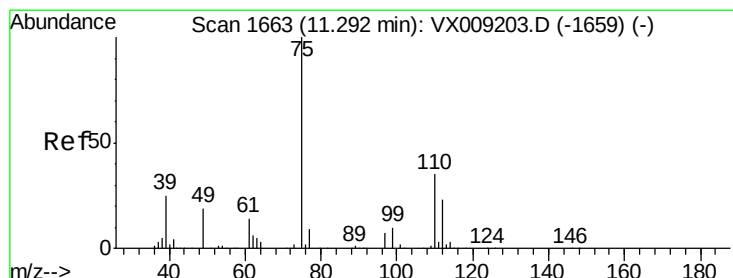
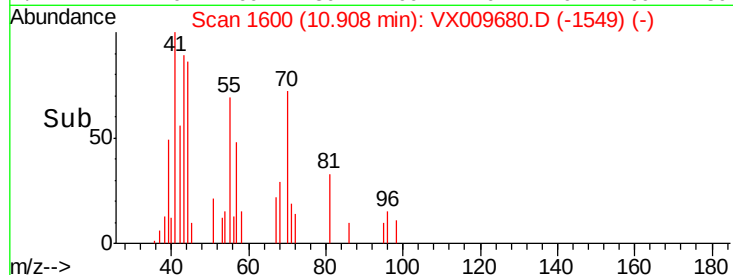
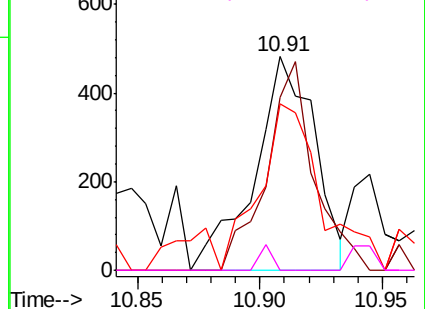


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 25.303 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009680.D

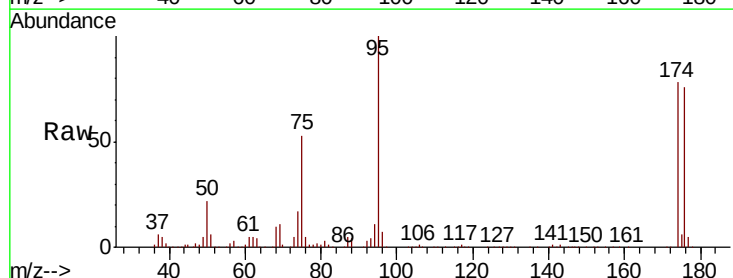
Acq: 17 May 2019 22:27

Tgt Ion: 75 Resp: 54378

Ion Ratio Lower Upper

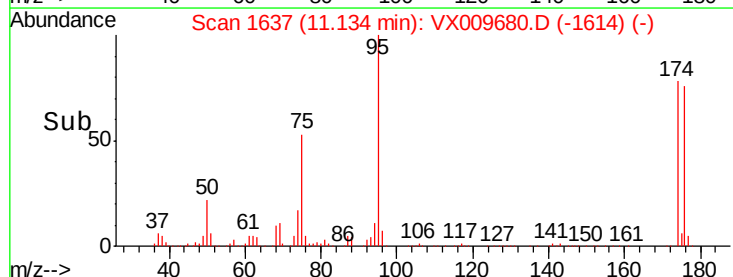
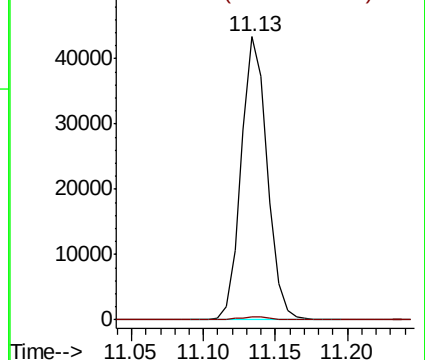
75 100

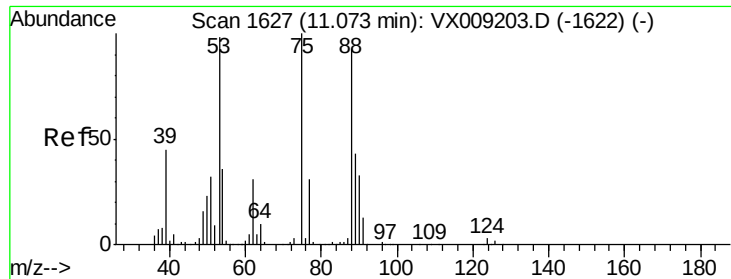
77 1.5 22.1 66.1#



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: 64.741 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009680.D

Acq: 17 May 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-603-605

Tot Ion: 75 Resp: 54378

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

