

Data File : VX011307.D
Acq On : 02 Aug 2019 16:07
Operator : JC/SP
Sample : K4145-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-608-610

Quant Time: Aug 03 05:44:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	146375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	234331	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	223150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	102648	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	77701	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
35) Dibromofluoromethane	5.49	113	73332	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
50) Toluene-d8	8.71	98	284209	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	11.13	95	97066	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	

Target Compounds

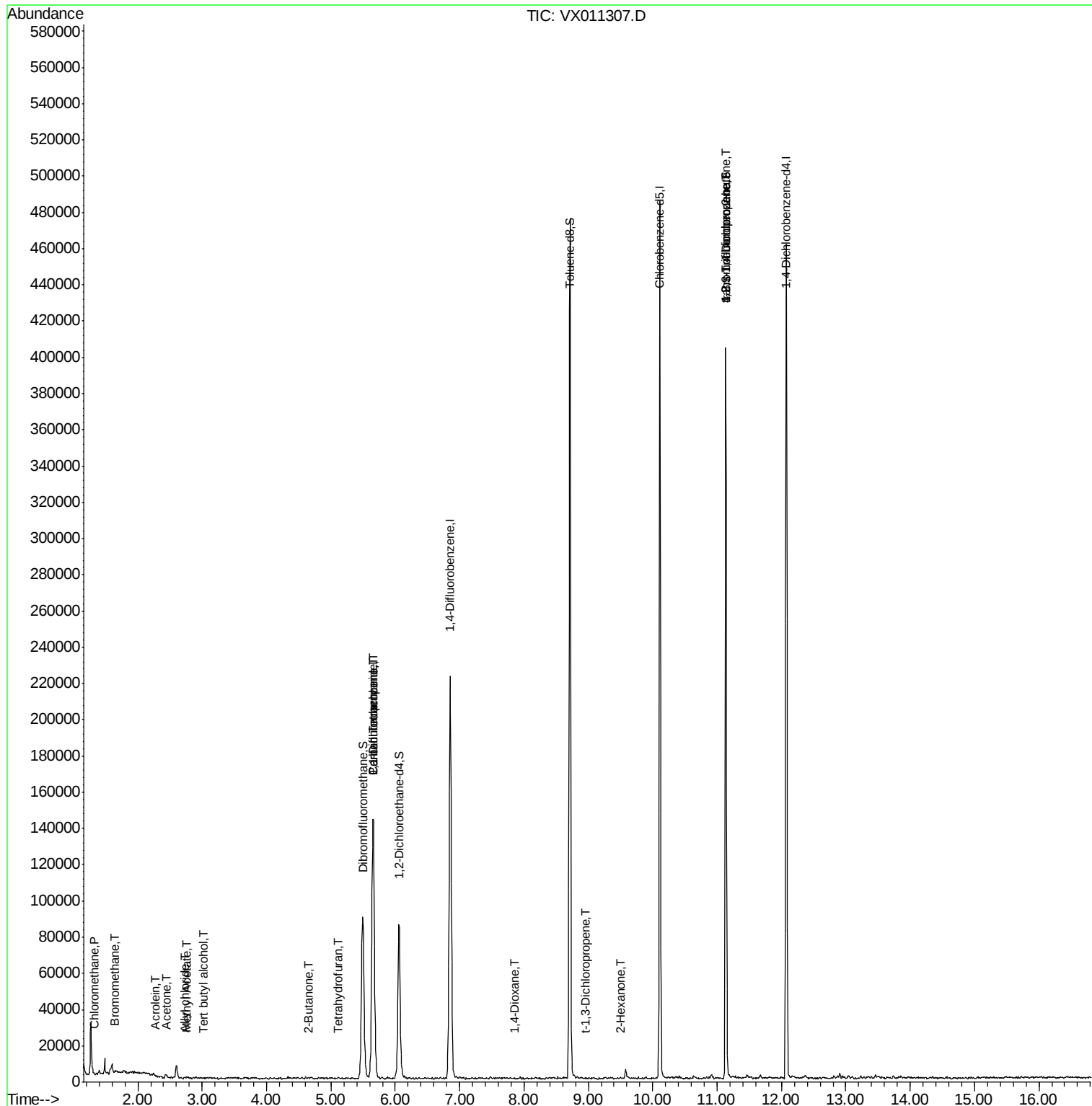
						Qvalue
3) Chloromethane	1.32	50	544	0.429	ug/l	89
5) Bromomethane	1.64	94	540	0.542	ug/l #	69
6) Chloroethane	1.73	64	218	Below Cal	#	43
11) Tert butyl alcohol	3.03	59	310	1.077	ug/l #	58
13) Acrolein	2.28	56	142	0.356	ug/l #	34
14) Allyl chloride	2.73	41	686	0.386	ug/l #	75
16) Acetone	2.43	43	2348	3.346	ug/l	92
18) Methyl Acetate	2.76	43	378	0.236	ug/l #	49
25) 2-Butanone	4.66	43	301	0.302	ug/l #	46
29) Tetrahydrofuran	5.12	42	155	0.253	ug/l #	38
36) 1,1-Dichloropropene	5.66	75	9498	4.642	ug/l #	48
38) Carbon Tetrachloride	5.66	117	13590	6.602	ug/l #	16
49) 1,4-Dioxane	7.84	88	24	0.536	ug/l #	1
53) t-1,3-Dichloropropene	8.96	75	23	2.848	ug/l #	43
59) 2-Hexanone	9.51	43	391	0.238	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	46729	24.998	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	46729	65.234	ug/l #	10

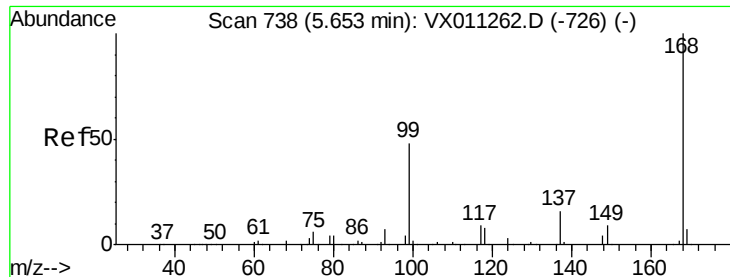
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011307.D

Acq: 02 Aug 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

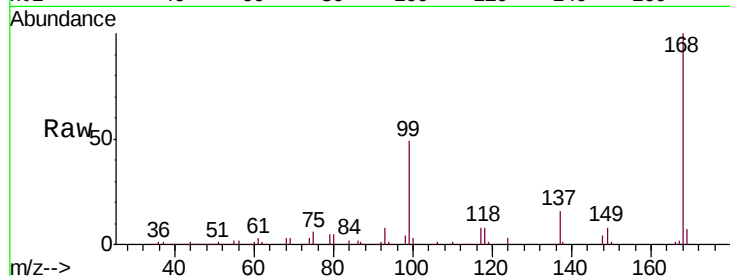
BP-VPB203-GW-608-610

Tgt Ion:168 Resp: 146375

Ion Ratio Lower Upper

168 100

99 48.6 38.5 57.7

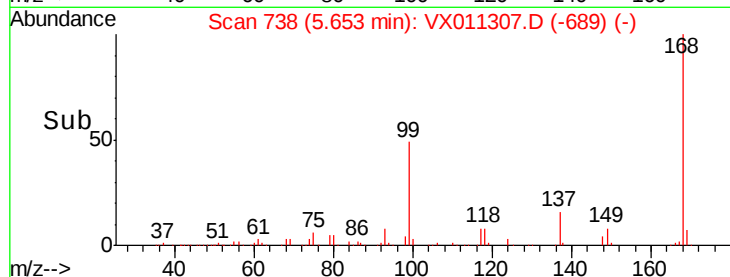


Abundance Ion 167.90 (167.60 to 168.60): V

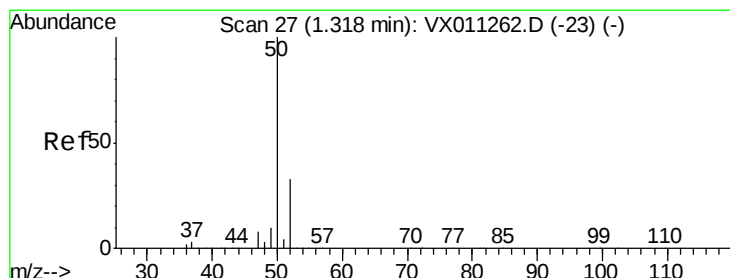
Ion 98.90 (98.60 to 99.60): VX0

5.65

Time-->



Time-->



#3

Chloromethane

Concen: 0.429 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011307.D

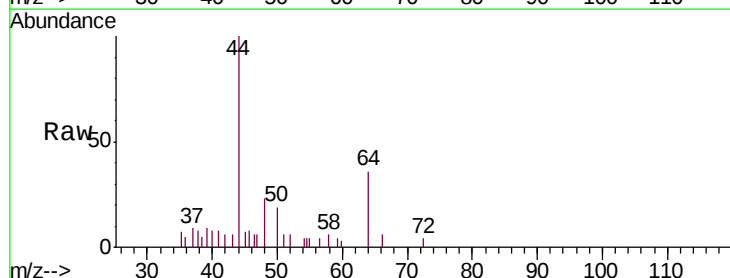
Acq: 02 Aug 2019 16:07

Tgt Ion: 50 Resp: 544

Ion Ratio Lower Upper

50 100

52 39.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

500

400

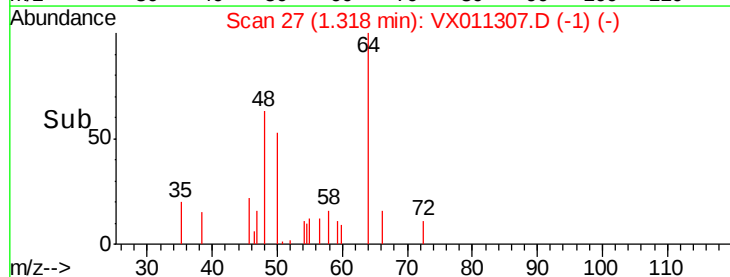
300

200

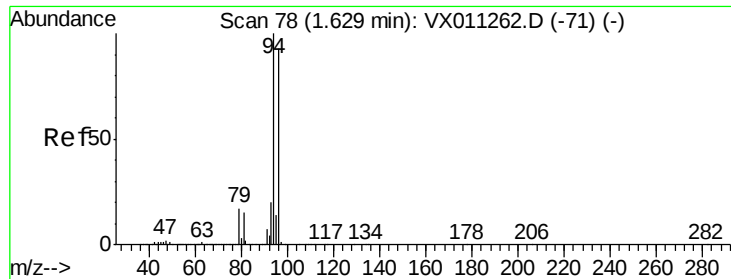
100

0

Time-->



Time-->



#5

Bromomethane

Concen: 0.542 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011307.D

Acq: 02 Aug 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

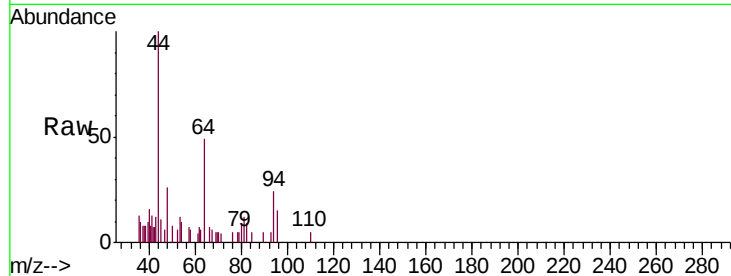
BP-VPB203-GW-608-610

Tgt Ion: 94 Resp: 540

Ion Ratio Lower Upper

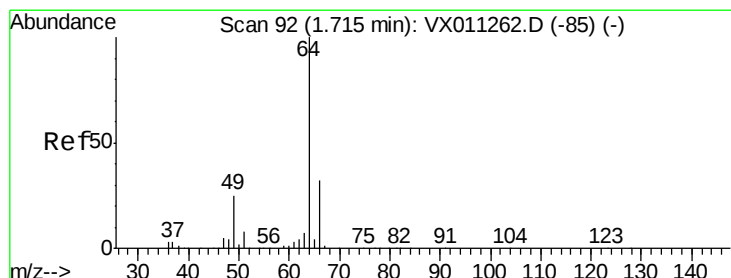
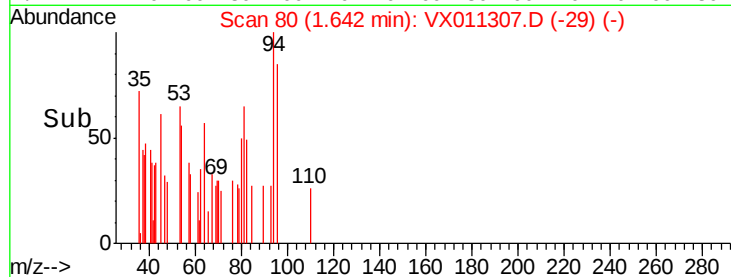
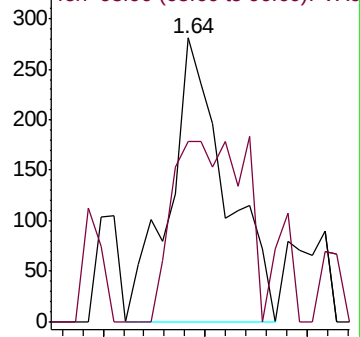
94 100

96 63.7 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX011307.D

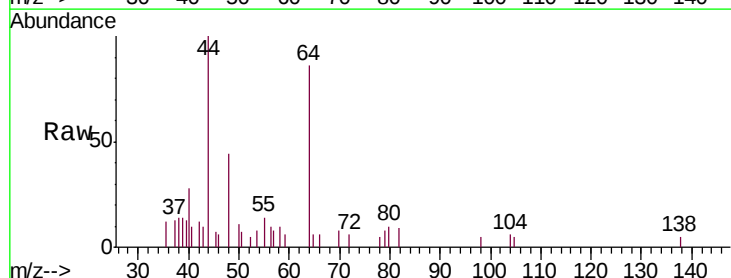
Acq: 02 Aug 2019 16:07

Tgt Ion: 64 Resp: 218

Ion Ratio Lower Upper

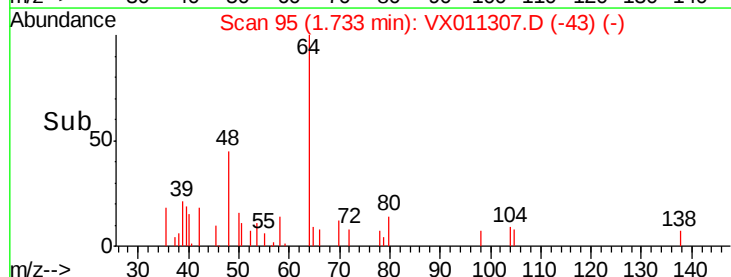
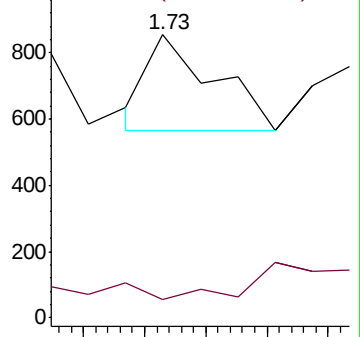
64 100

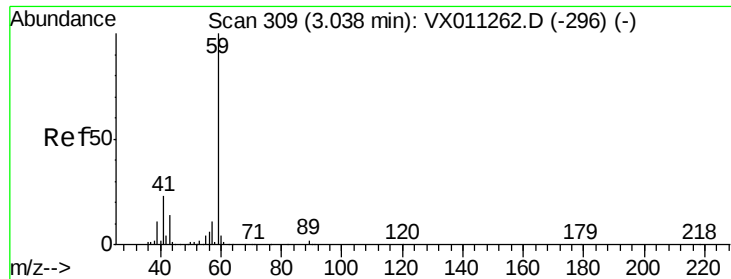
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

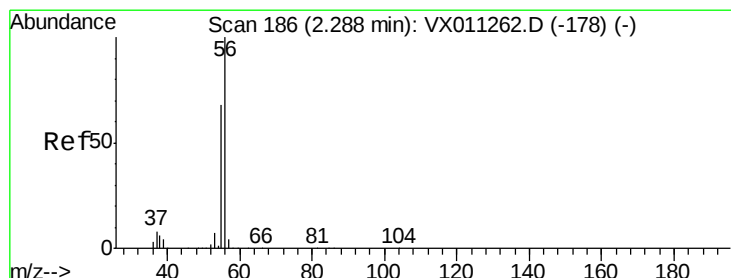
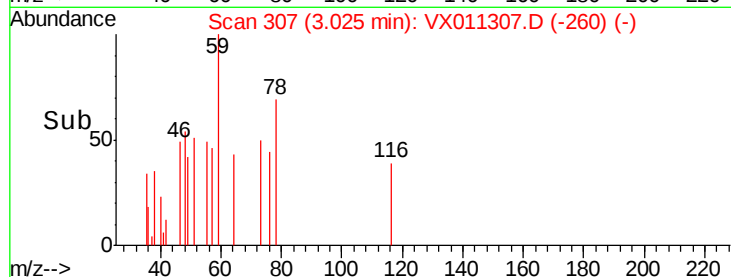
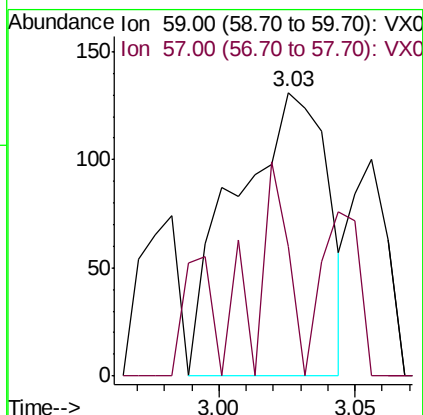
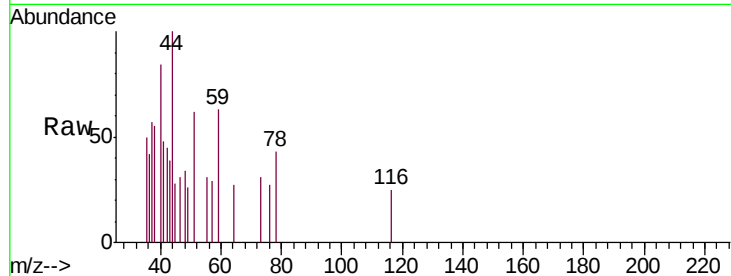




#11
Tert butyl alcohol
Concen: 1.077 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX011307.D
Acq: 02 Aug 2019 16:07

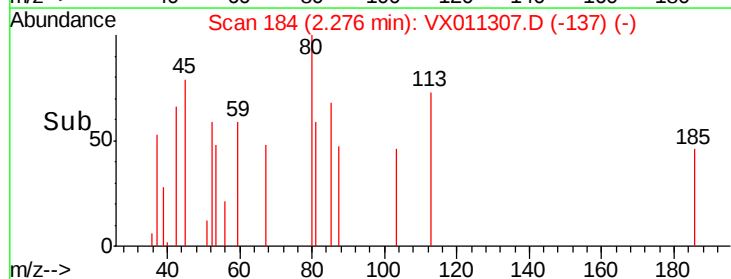
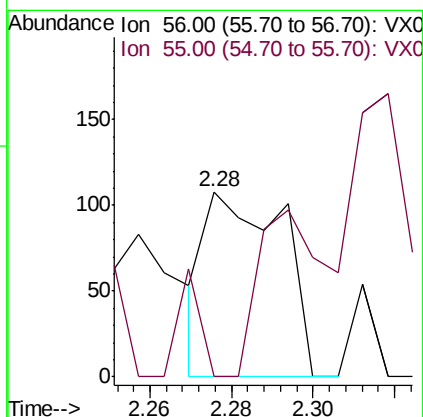
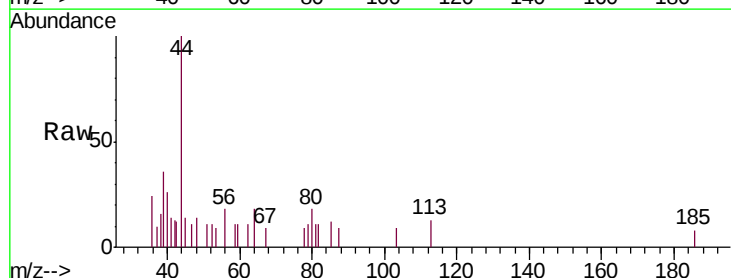
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-608-610

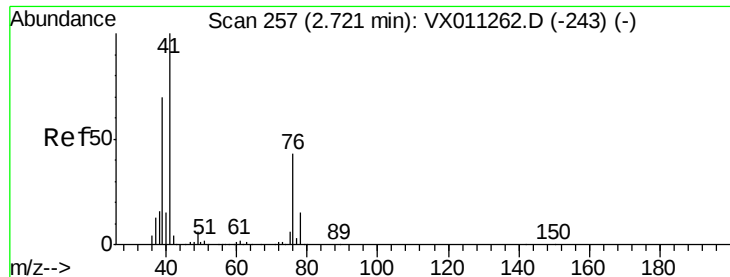
Tgt Ion: 59 Resp: 310
Ion Ratio Lower Upper
59 100
57 26.1 8.3 12.5#



#13
Acrolein
Concen: 0.356 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.01 min
Lab File: VX011307.D
Acq: 02 Aug 2019 16:07

Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 16.2 56.0 84.0#

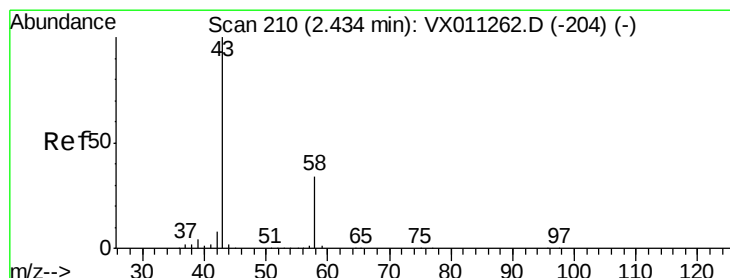
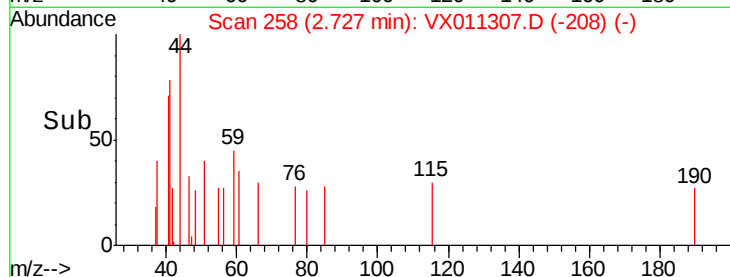
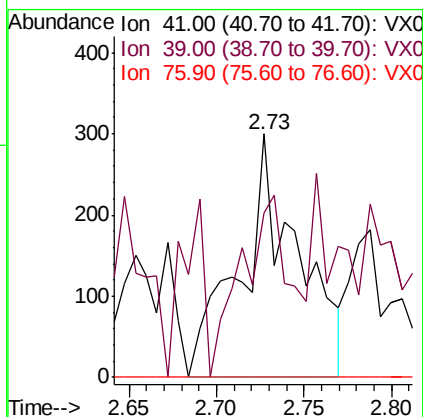
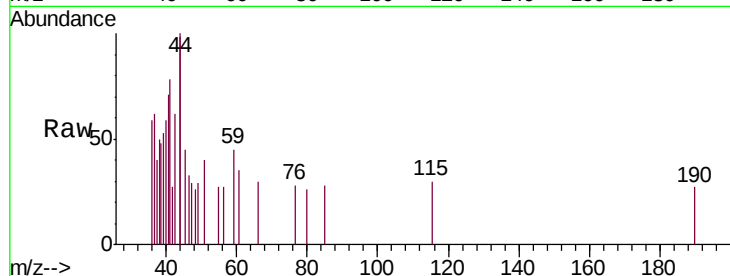




#14
 Allyl chloride
 Concen: 0.386 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. 0.01 min
 Lab File: VX011307.D
 Acq: 02 Aug 2019 16:07

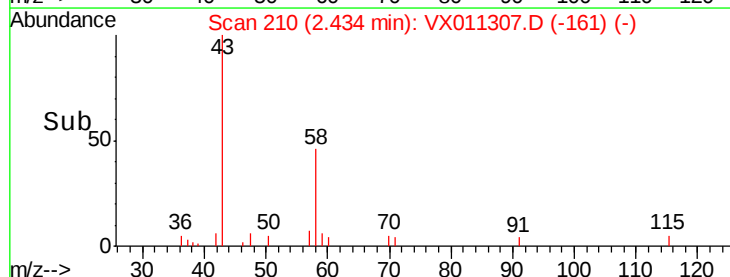
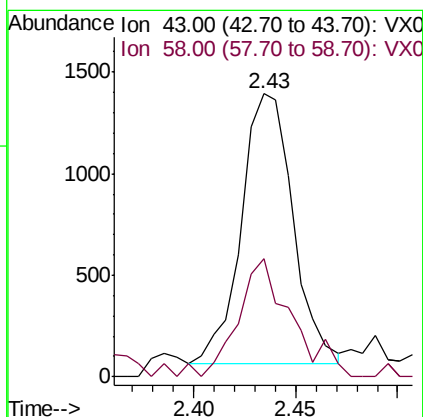
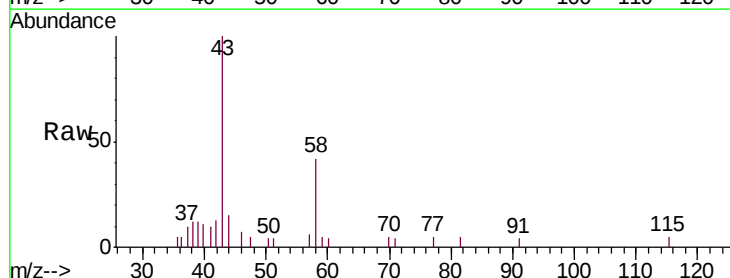
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB203-GW-608-610

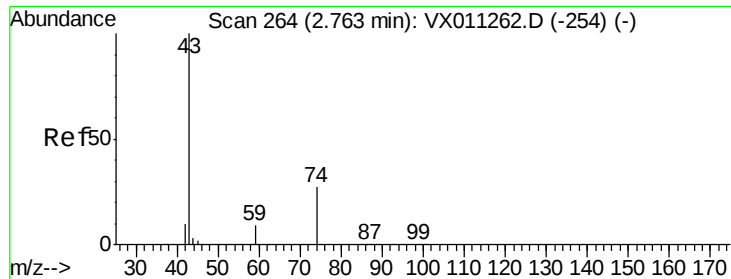
Tgt Ion: 41 Resp: 686
 Ion Ratio Lower Upper
 41 100
 39 64.1 52.8 79.2
 76 0.0 31.1 46.7#



#16
 Acetone
 Concen: 3.346 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VX011307.D
 Acq: 02 Aug 2019 16:07

Tgt Ion: 43 Resp: 2348
 Ion Ratio Lower Upper
 43 100
 58 38.9 27.4 41.0

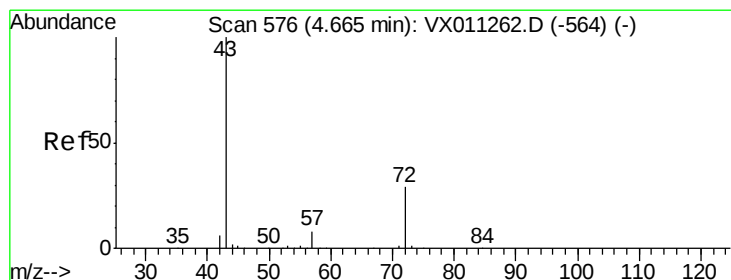
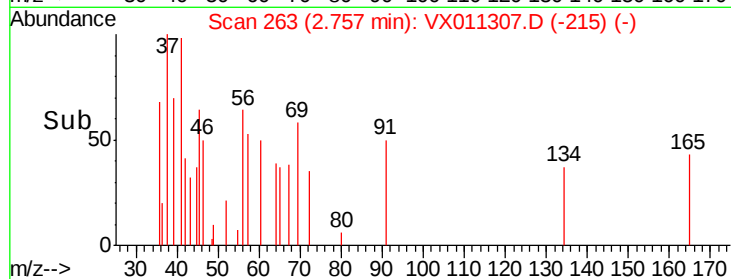
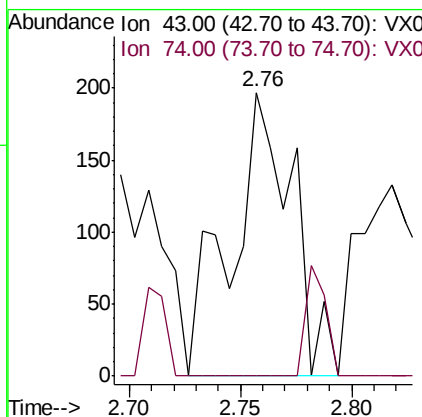
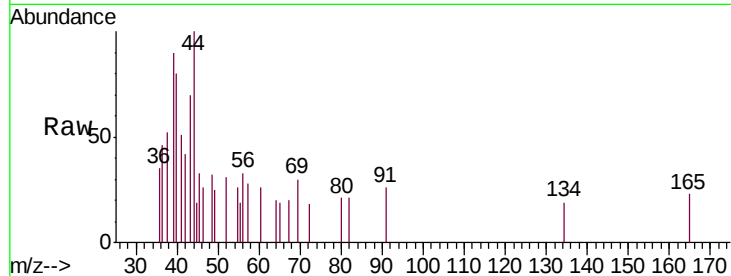




#18
Methyl Acetate
Concen: 0.236 ug/l
RT: 2.76 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX011307.D
Acq: 02 Aug 2019 16:07

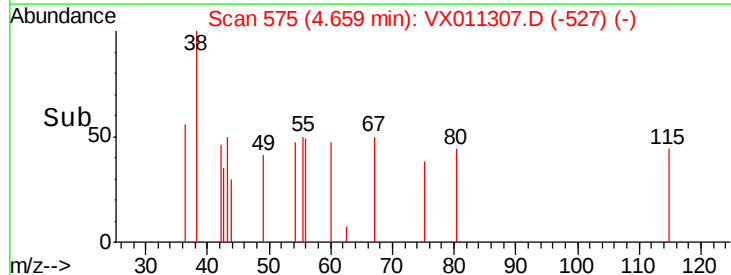
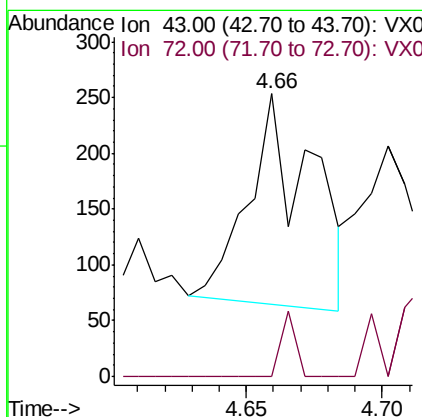
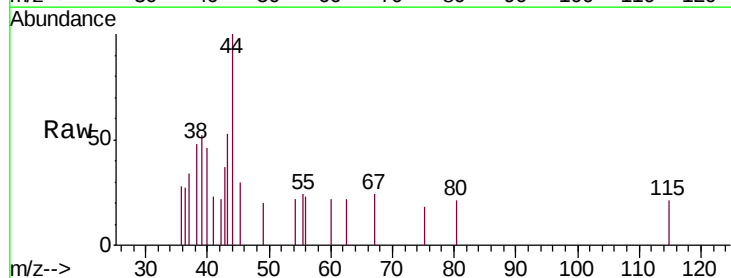
Instrument :
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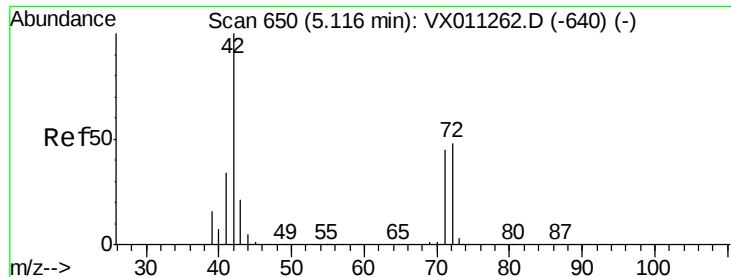
Tgt Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.6#



#25
2-Butanone
Concen: 0.302 ug/l
RT: 4.66 min Scan# 575
Delta R.T. -0.01 min
Lab File: VX011307.D
Acq: 02 Aug 2019 16:07

Tgt Ion: 43 Resp: 301
Ion Ratio Lower Upper
43 100
72 0.0 23.2 34.8#

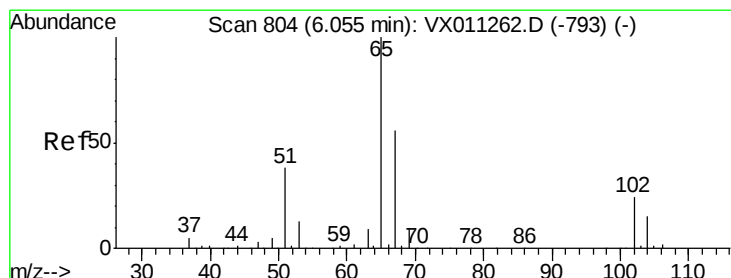
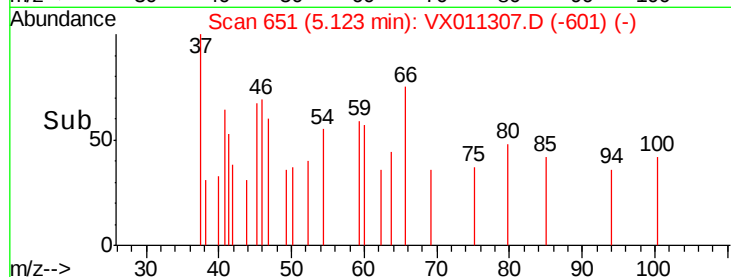
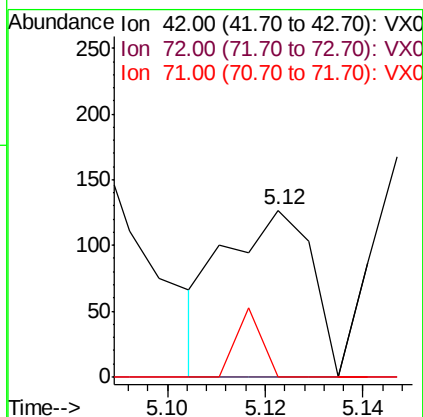
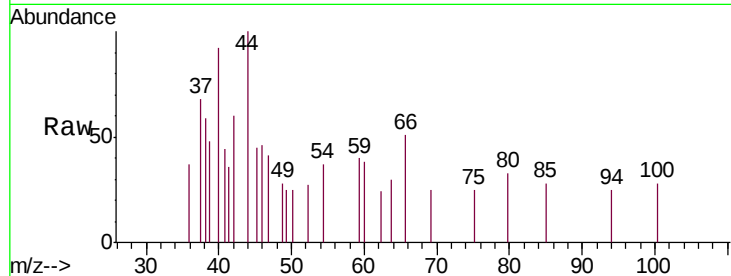




#29
Tetrahydrofuran
Concen: 0.253 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011307.D
Acq: 02 Aug 2019 16:07

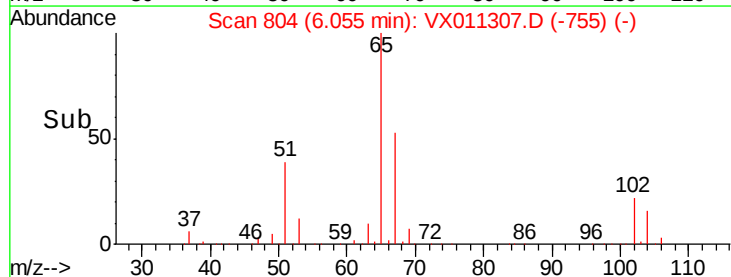
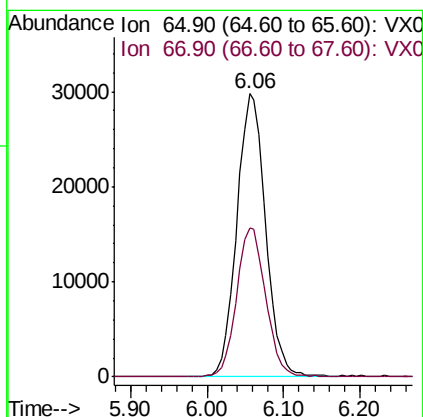
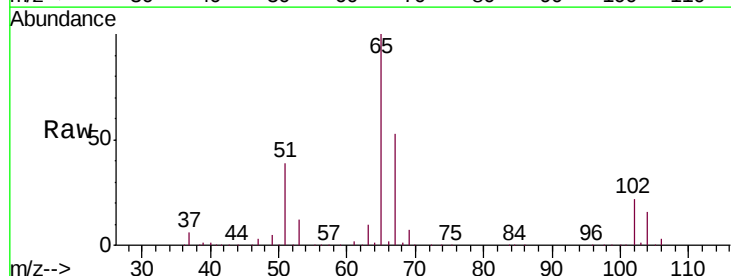
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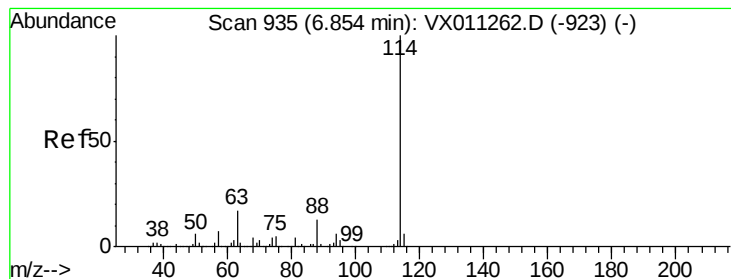
Tgt Ion: 42 Resp: 155
Ion Ratio Lower Upper
42 100
72 0.0 39.9 59.9#
71 12.3 36.9 55.3#



#33
1,2-Dichloroethane-d4
Concen: 52.712 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011307.D
Acq: 02 Aug 2019 16:07

Tgt Ion: 65 Resp: 77701
Ion Ratio Lower Upper
65 100
67 53.2 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011307.D

Acq: 02 Aug 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-608-610

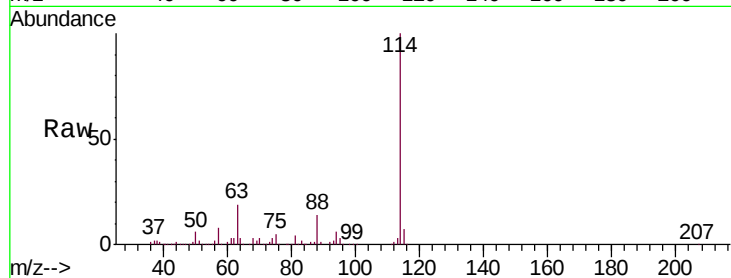
Tgt Ion:114 Resp: 234331

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.0

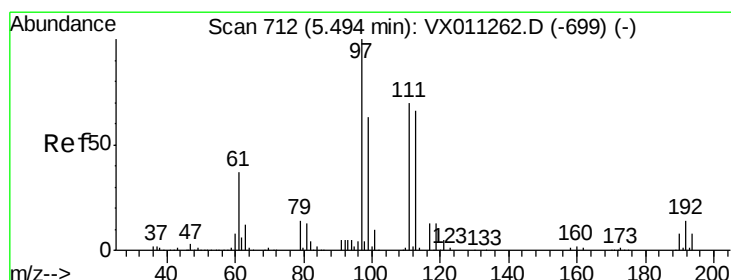
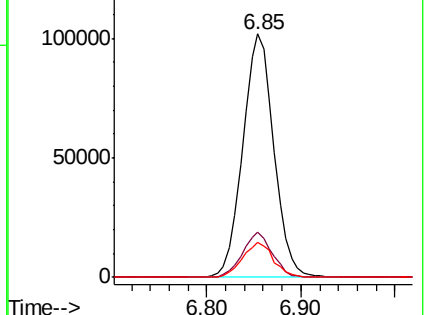
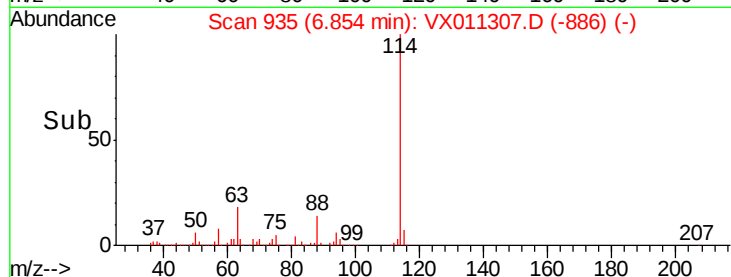
88 14.3 0.0 26.4



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: 47.933 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011307.D

Acq: 02 Aug 2019 16:07

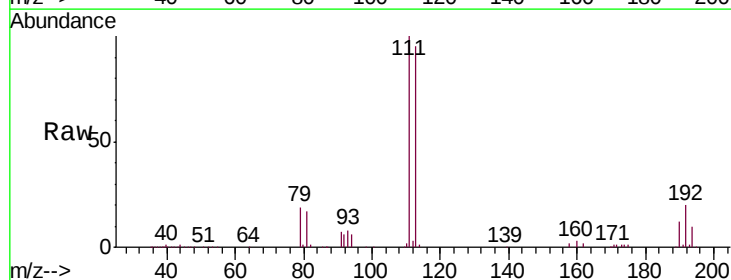
Tgt Ion:113 Resp: 73332

Ion Ratio Lower Upper

113 100

111 104.0 81.9 122.9

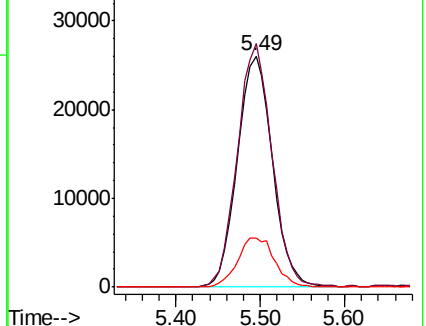
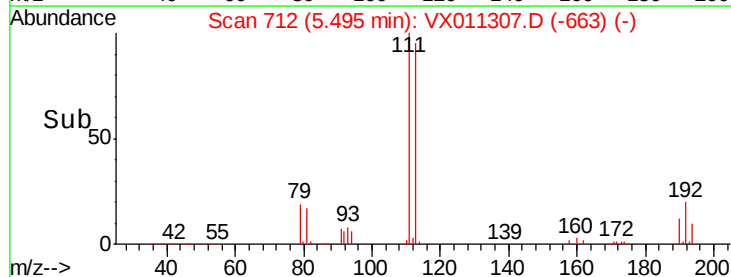
192 22.5 17.8 26.8

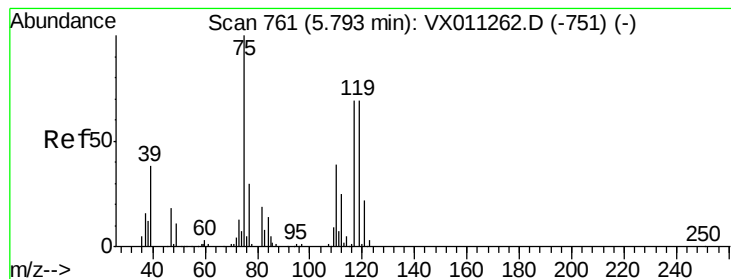


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.642 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011307.D

Acq: 02 Aug 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-608-610

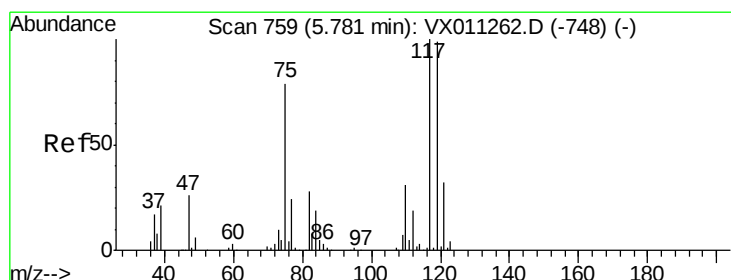
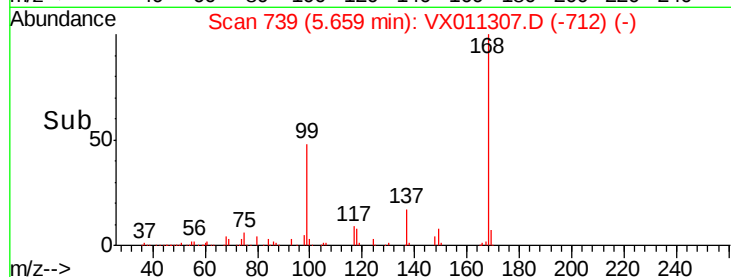
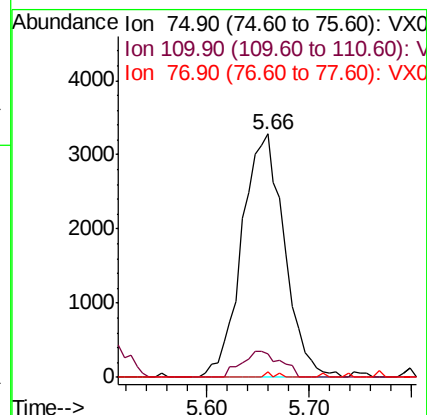
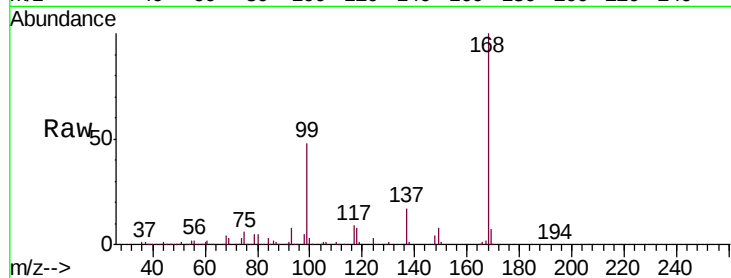
Tgt Ion: 75 Resp: 9498

Ion Ratio Lower Upper

75 100

110 9.9 20.0 59.9#

77 0.5 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.602 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011307.D

Acq: 02 Aug 2019 16:07

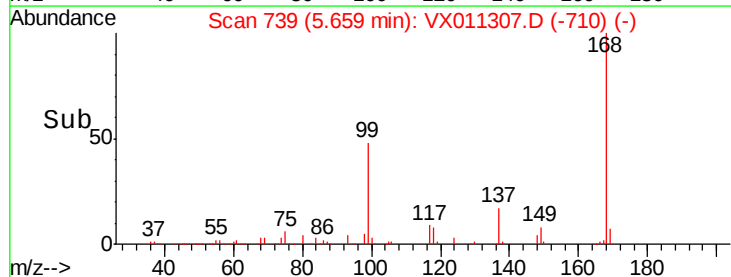
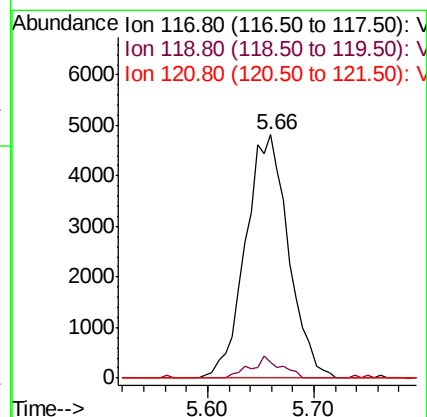
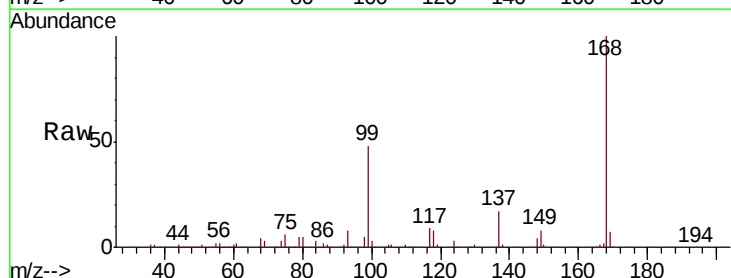
Tgt Ion: 117 Resp: 13590

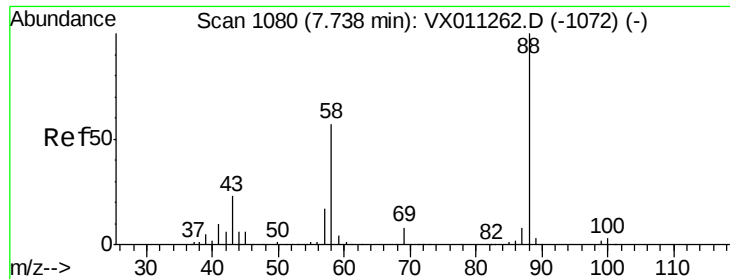
Ion Ratio Lower Upper

117 100

119 6.4 79.0 118.4#

121 0.0 25.9 38.9#

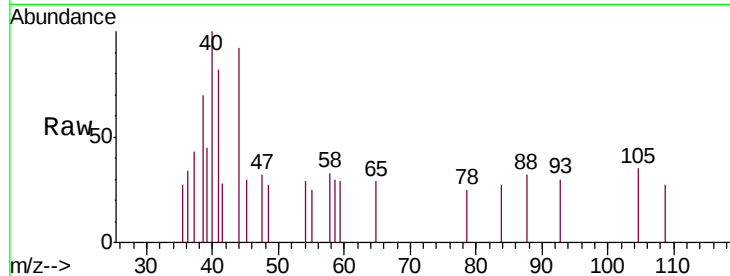




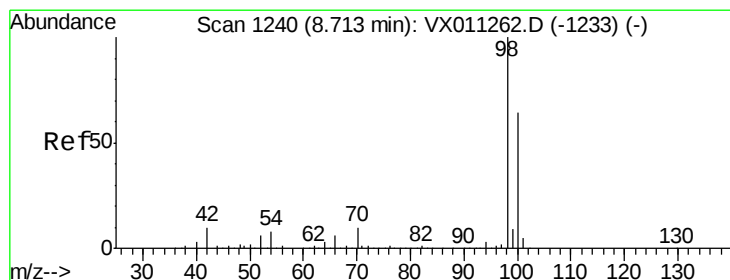
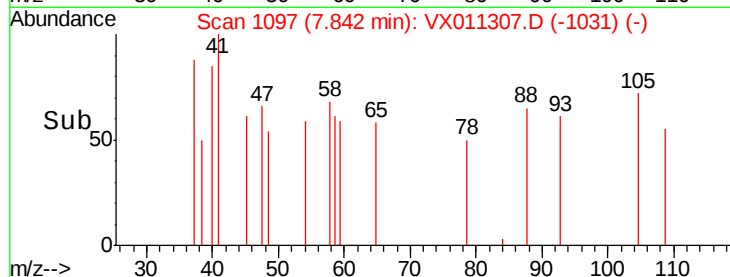
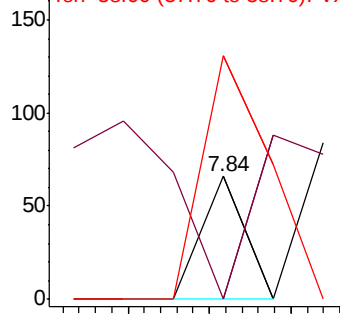
#49
1,4-Dioxane
Concen: 0.536 ug/l
RT: 7.84 min Scan# 1097
Delta R.T. 0.10 min
Lab File: VX011307.D
Acq: 02 Aug 2019 16:07

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-608-610

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 345.8 22.2 33.2#
58 308.3 47.8 71.8#

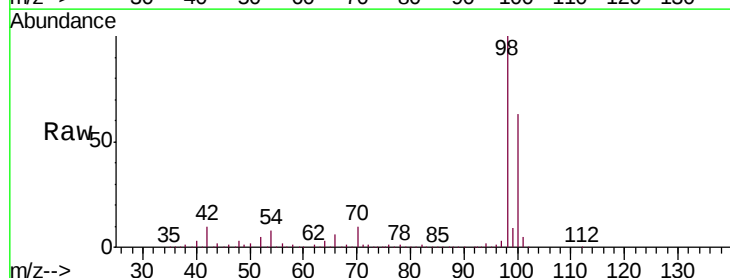


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

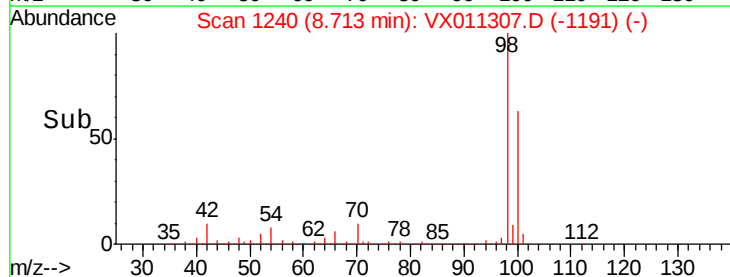
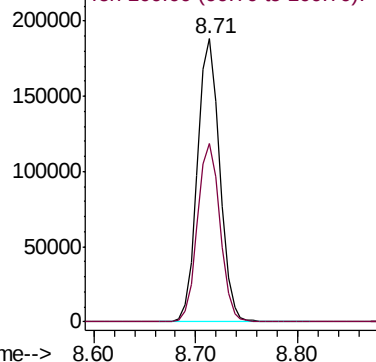


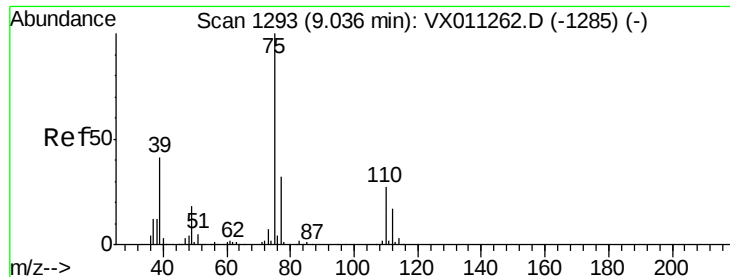
#50
Toluene-d8
Concen: 49.215 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011307.D
Acq: 02 Aug 2019 16:07

Tgt Ion: 98 Resp: 284209
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

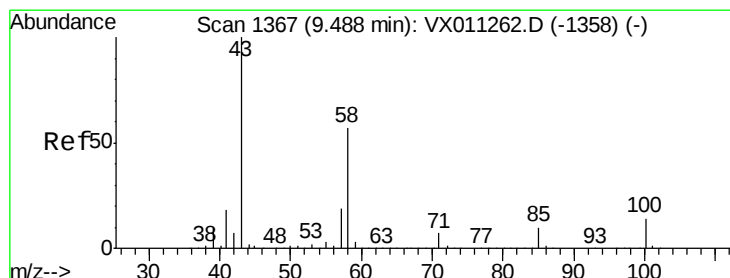
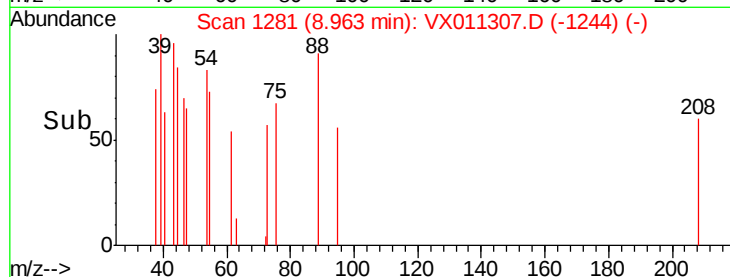
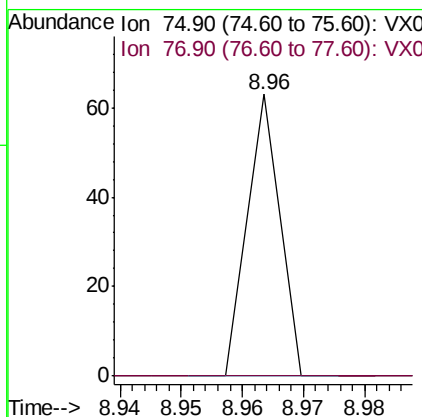
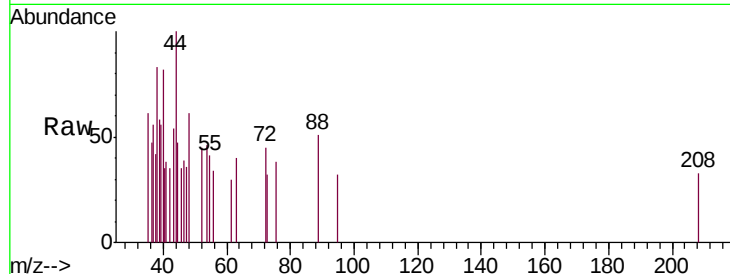




#53
t-1,3-Dichloropropene
Concen: 2.848 ug/l
RT: 8.96 min Scan# 1281
Delta R.T. -0.07 min
Lab File: VX011307.D
Acq: 02 Aug 2019 16:07

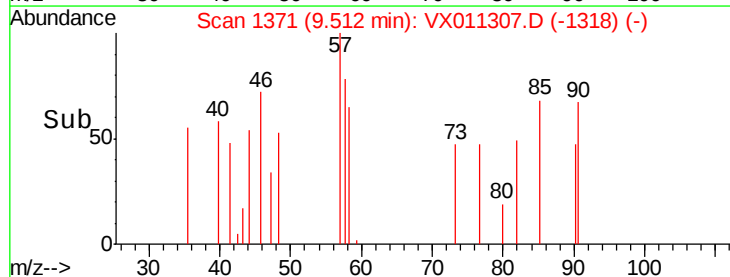
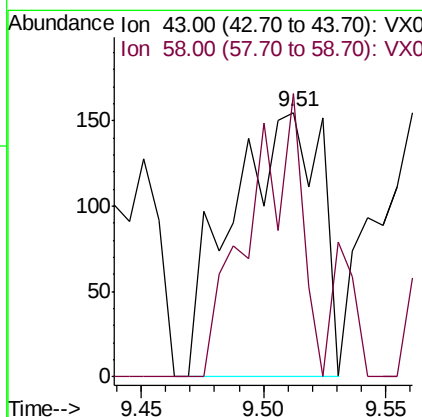
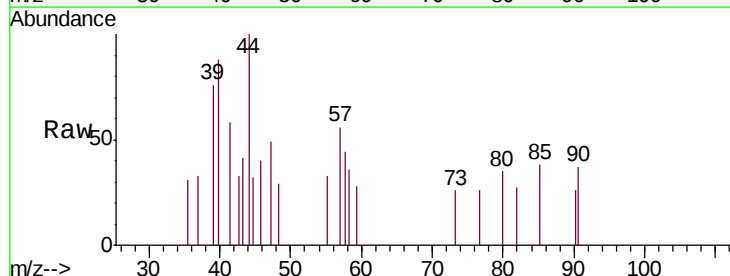
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB203-GW-608-610

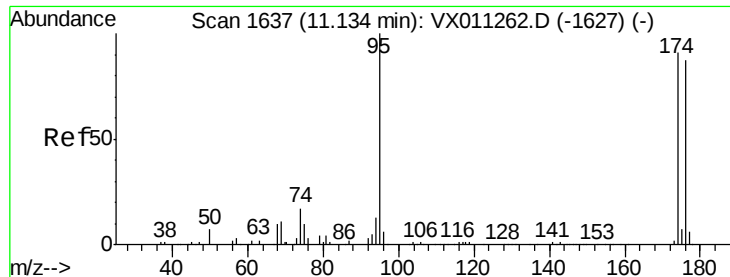
Tgt Ion: 75 Resp: 23
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#59
2-Hexanone
Concen: 0.238 ug/l
RT: 9.51 min Scan# 1371
Delta R.T. 0.02 min
Lab File: VX011307.D
Acq: 02 Aug 2019 16:07

Tgt Ion: 43 Resp: 391
Ion Ratio Lower Upper
43 100
58 61.6 28.2 84.6





#62

4-Bromofluorobenzene

Concen: 47.078 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011307.D

Acq: 02 Aug 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-608-610

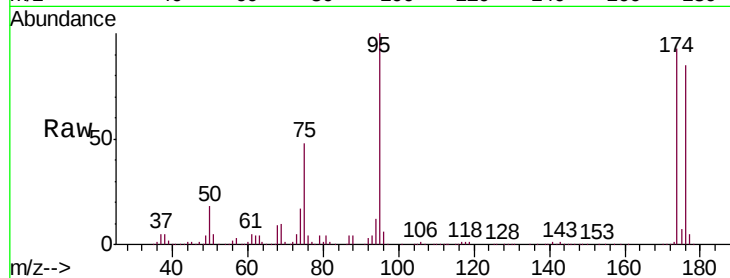
Tgt Ion: 95 Resp: 97066

Ion Ratio Lower Upper

95 100

174 94.0 0.0 191.2

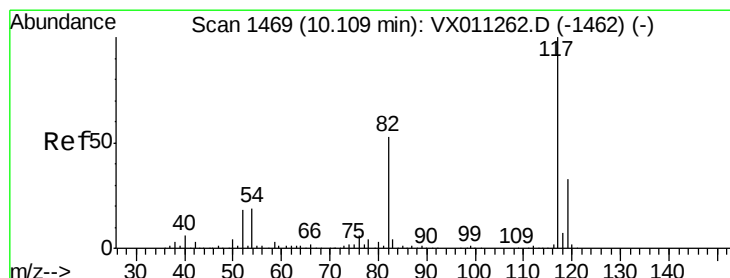
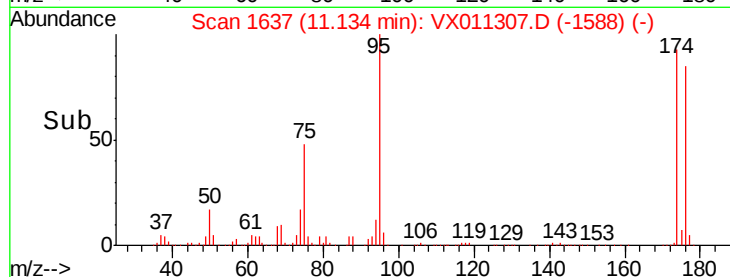
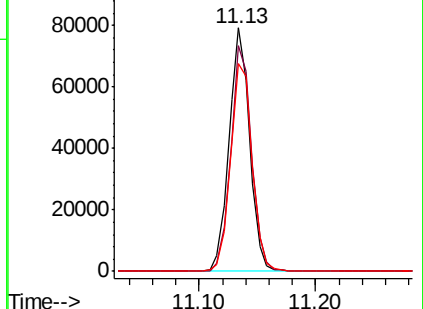
176 89.6 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX011262.D (-1627) (-)

Ion 173.80 (173.50 to 174.50): VX011262.D (-1627) (-)

Ion 175.80 (175.50 to 176.50): VX011262.D (-1627) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011307.D

Acq: 02 Aug 2019 16:07

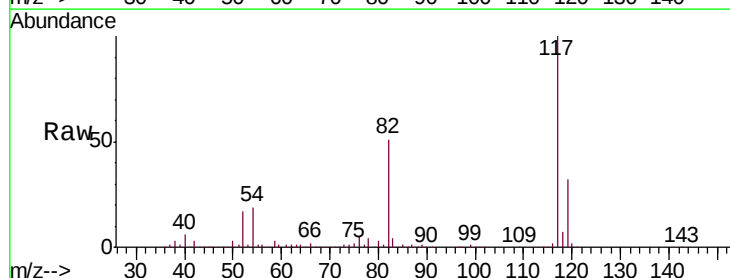
Tgt Ion: 117 Resp: 223150

Ion Ratio Lower Upper

117 100

82 50.7 42.2 63.2

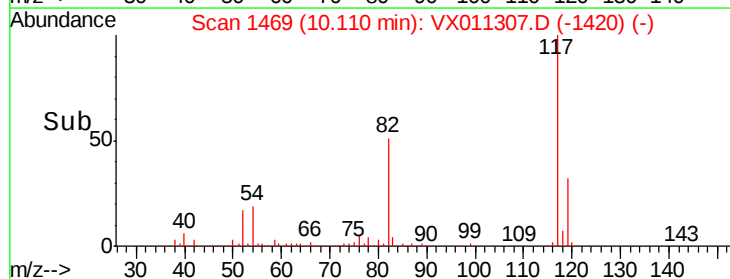
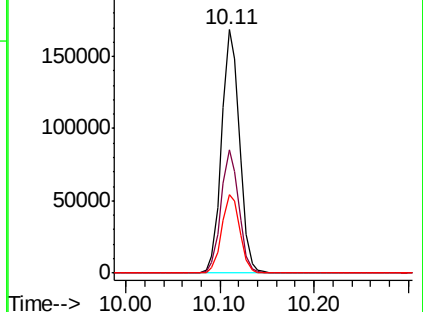
119 32.1 26.6 39.8

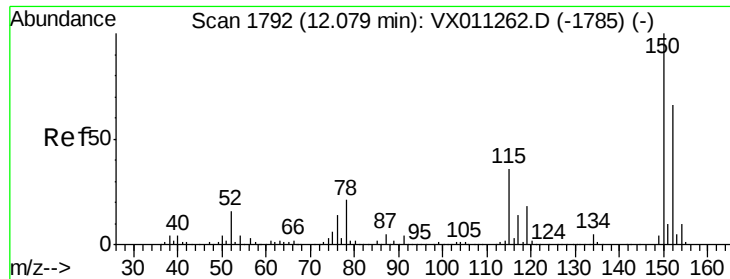


Abundance Ion 116.90 (116.60 to 117.60): VX011262.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX011262.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX011262.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011307.D

Acq: 02 Aug 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-608-610

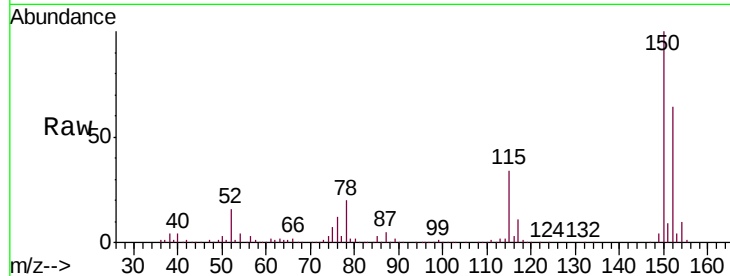
Tgt Ion:152 Resp: 102648

Ion Ratio Lower Upper

152 100

115 54.0 40.0 119.9

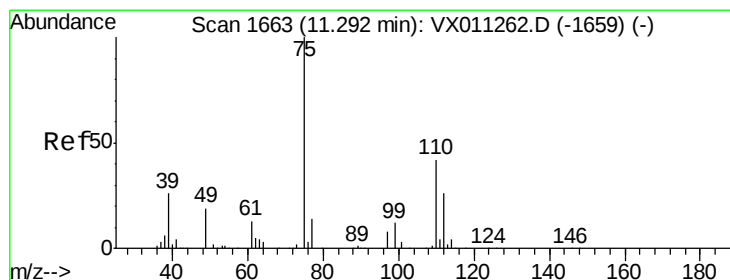
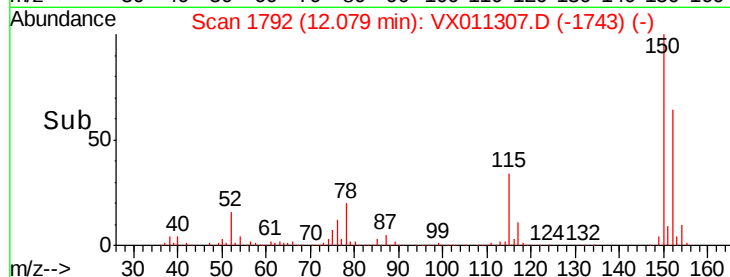
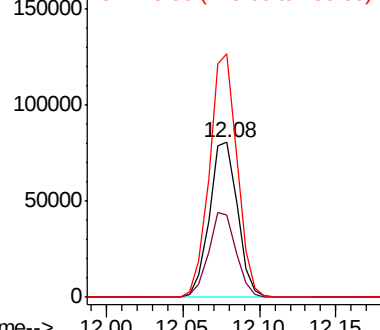
150 155.2 0.0 350.4



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: 24.998 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011307.D

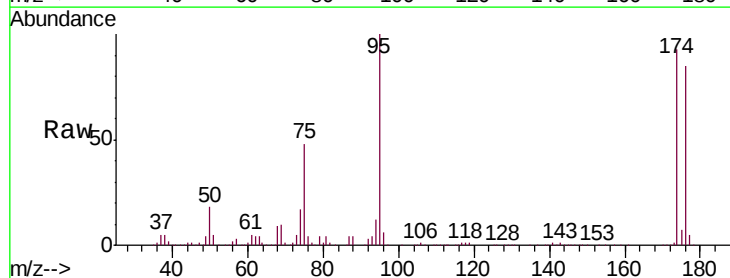
Acq: 02 Aug 2019 16:07

Tgt Ion: 75 Resp: 46729

Ion Ratio Lower Upper

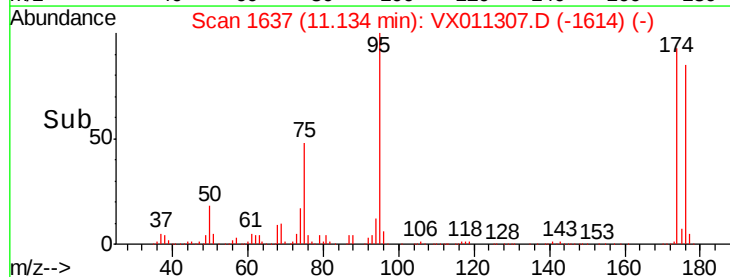
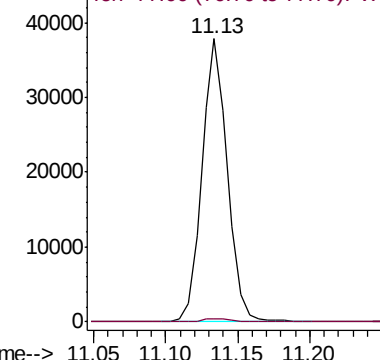
75 100

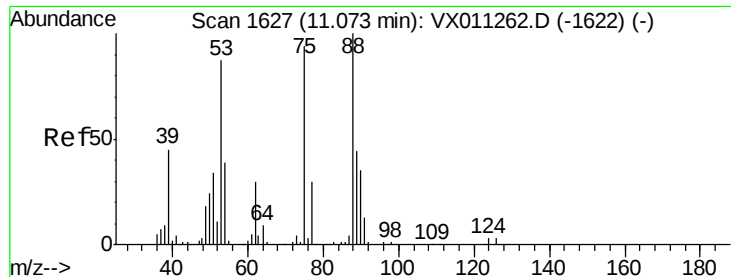
77 1.5 21.1 63.4#



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: 65.234 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011307.D

Acq: 02 Aug 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB203-GW-608-610

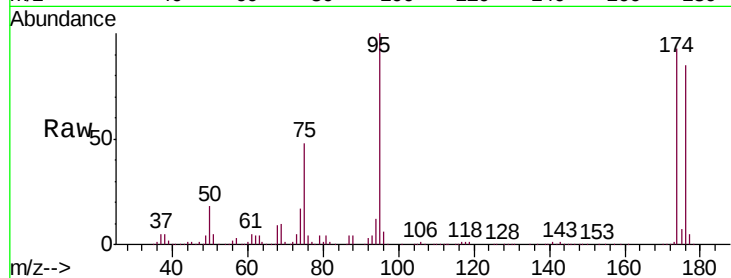
Tgt Ion: 75 Resp: 46729

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 37.9 56.9#



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

