

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009750.D
 Acq On : 21 May 2019 16:11
 Operator : JC/SP
 Sample : K2974-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-798-800

Quant Time: May 22 07:05:46 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	177454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	283928	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111803	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	118928	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
35) Dibromofluoromethane	5.50	113	87509	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	8.71	98	360356	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	11.13	95	121577	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	

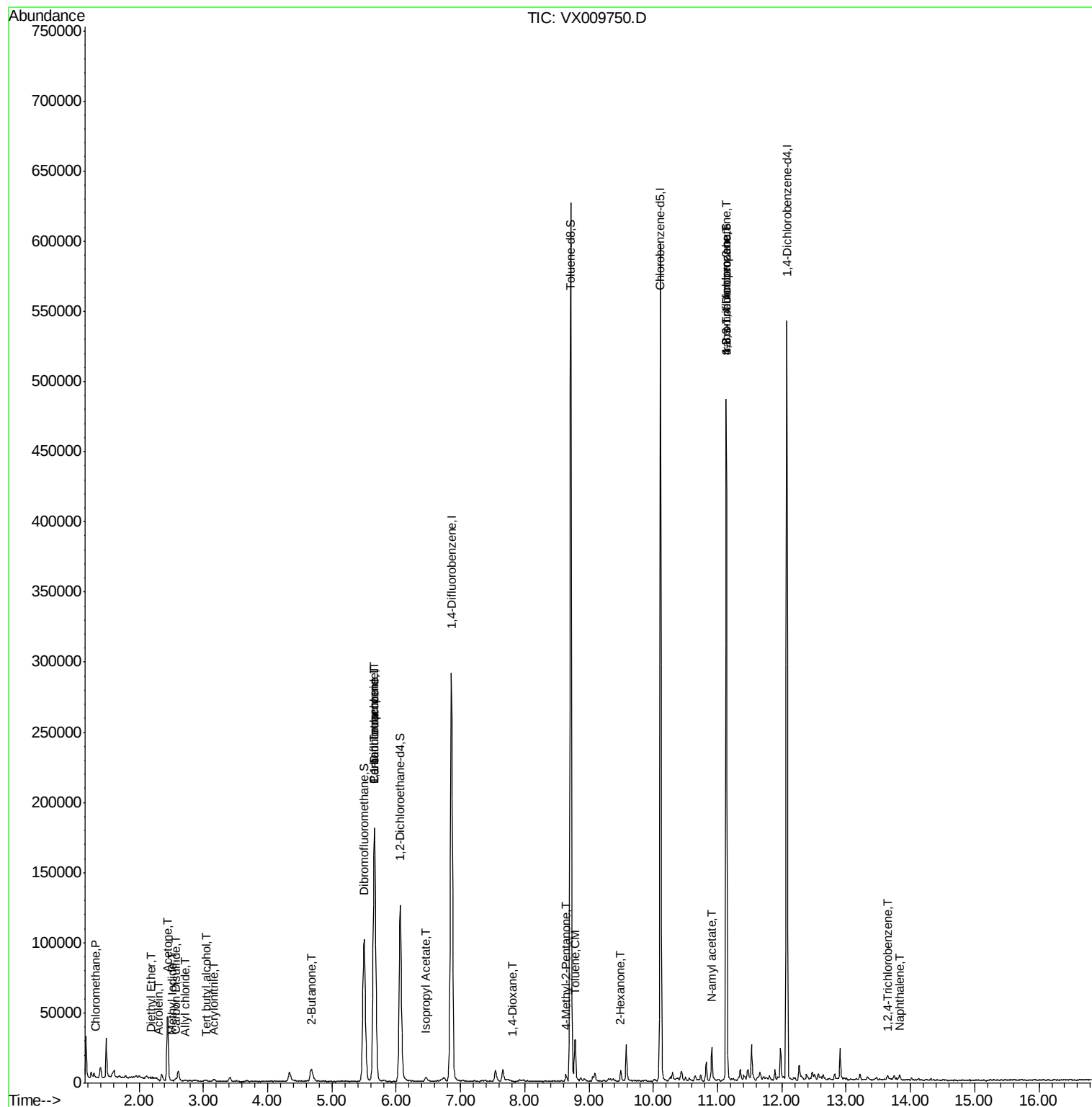
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	746	0.334	ug/l #	83
8) Diethyl Ether	2.18	74	300	0.239	ug/l	54
10) Methyl Iodide	2.52	142	489	4.824	ug/l #	75
11) Tert butyl alcohol	3.04	59	966	1.723	ug/l #	92
13) Acrolein	2.30	56	584	1.150	ug/l #	72
14) Allyl chloride	2.71	41	838	0.207	ug/l #	43
15) Acrylonitrile	3.16	53	425	0.310	ug/l #	83
16) Acetone	2.44	43	52630	40.461	ug/l	99
17) Carbon Disulfide	2.57	76	2153	0.461	ug/l #	81
25) 2-Butanone	4.68	43	17523	8.669	ug/l	100
28) Bromochloromethane	5.00	49	51	Below Cal	#	20
36) 1,1-Dichloropropene	5.66	75	13953	5.288	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16727	6.977	ug/l #	16
43) Isopropyl Acetate	6.45	43	1775	0.302	ug/l #	71
49) 1,4-Dioxane	7.81	88	19	0.321	ug/l #	20
51) 4-Methyl-2-Pentanone	8.64	43	3318	0.863	ug/l	98
52) Toluene	8.79	92	10377	2.091	ug/l	96
59) 2-Hexanone	9.49	43	4952	1.640	ug/l	98
74) N-amyl acetate	10.91	43	3954	0.834	ug/l #	21
76) 1,2,3-Trichloropropane	11.13	75	63323	24.417	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63323	62.474	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	519	0.207	ug/l	95
95) Naphthalene	13.83	128	1679	0.206	ug/l #	89

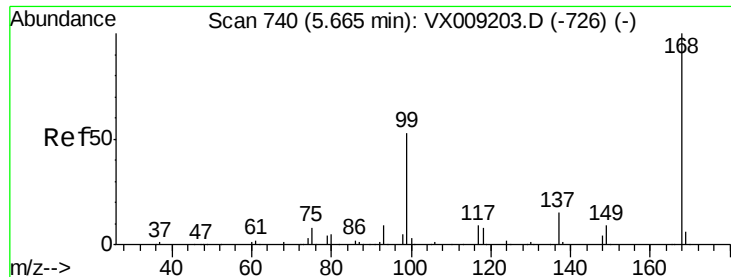
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052119\
Data File : VX009750.D
Acq On : 21 May 2019 16:11
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Instrument :
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ClientSampleId :
BP-VPB202-GW-798-800

Quant Time: May 22 07:05:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
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: VX009750.D

Acq: 21 May 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

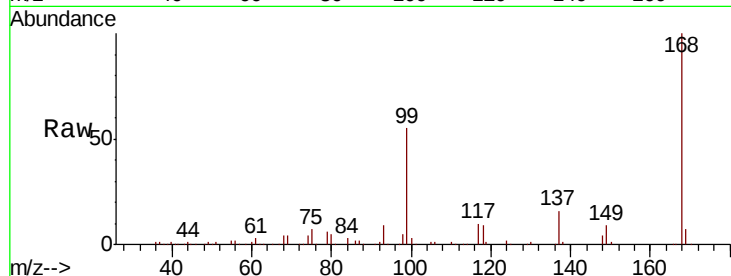
BP-VPB202-GW-798-800

Tot Ion:168 Resp: 177454

Ion Ratio Lower Upper

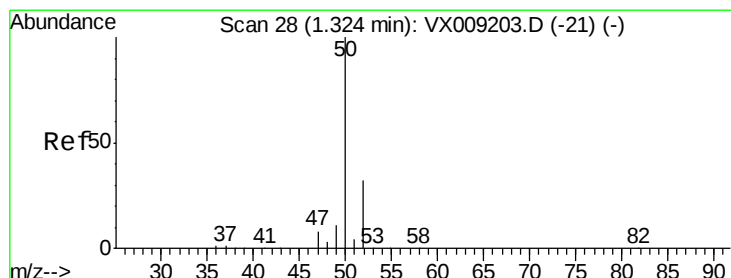
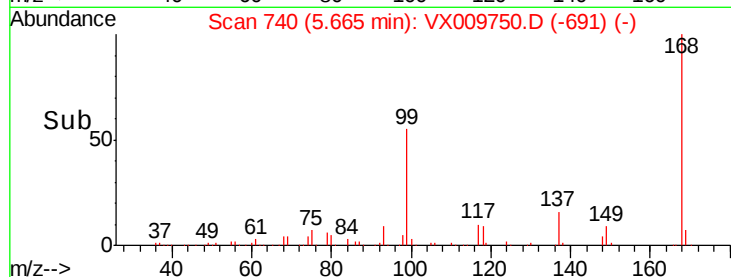
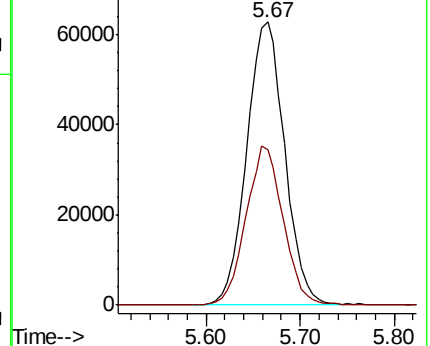
168 100

99 55.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.334 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009750.D

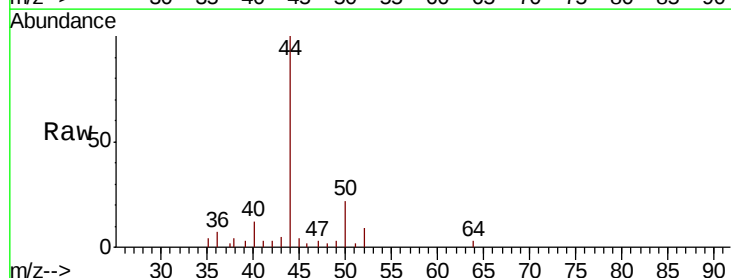
Acq: 21 May 2019 16:11

Tgt Ion: 50 Resp: 746

Ion Ratio Lower Upper

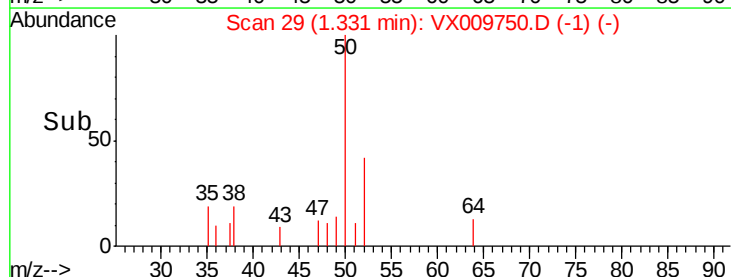
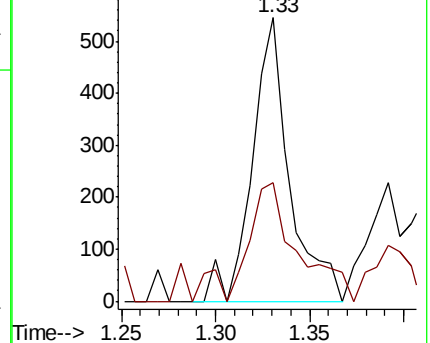
50 100

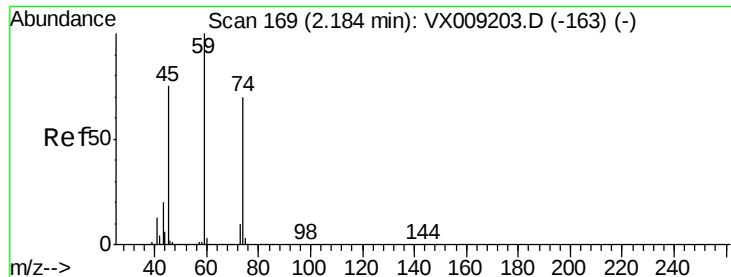
52 41.7 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#8

Diethyl Ether

Concen: 0.239 ug/l

RT: 2.18 min Scan# 169

Delta R.T. 0.00 min

Lab File: VX009750.D

Acq: 21 May 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

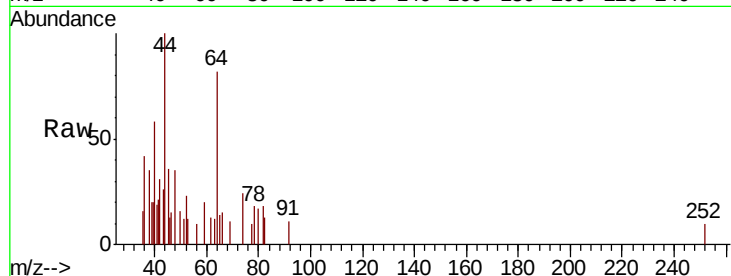
BP-VPB202-GW-798-800

Tot Ion: 74 Resp: 300

Ion Ratio Lower Upper

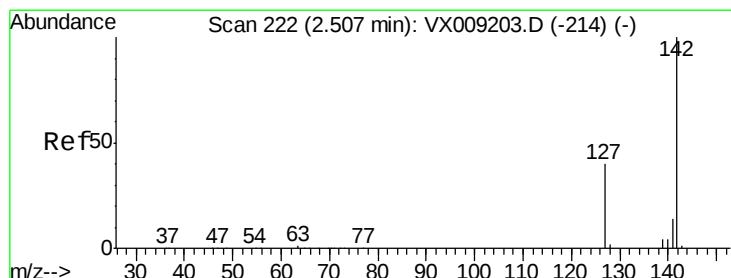
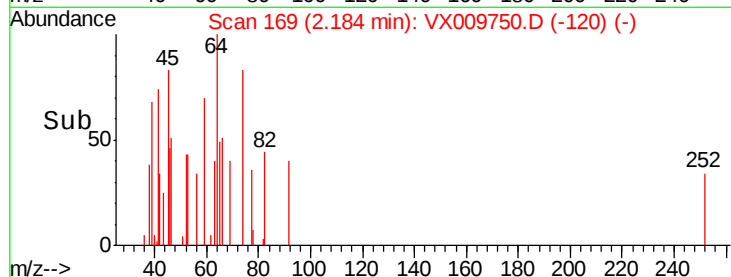
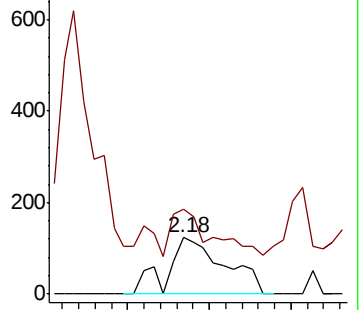
74 100

45 58.7 53.3 159.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 4.824 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009750.D

Acq: 21 May 2019 16:11

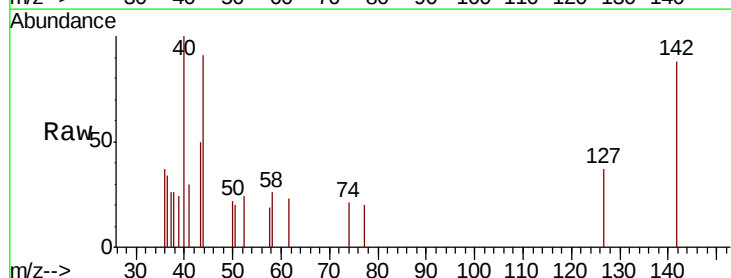
Tgt Ion: 142 Resp: 489

Ion Ratio Lower Upper

142 100

127 54.2 32.7 49.1#

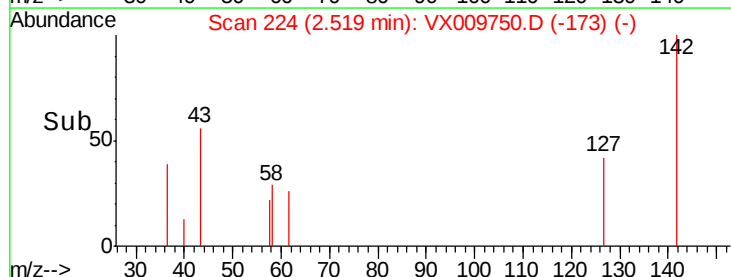
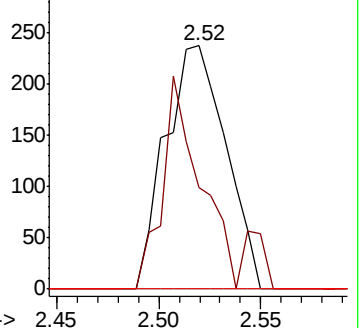
141 0.0 11.5 17.3#

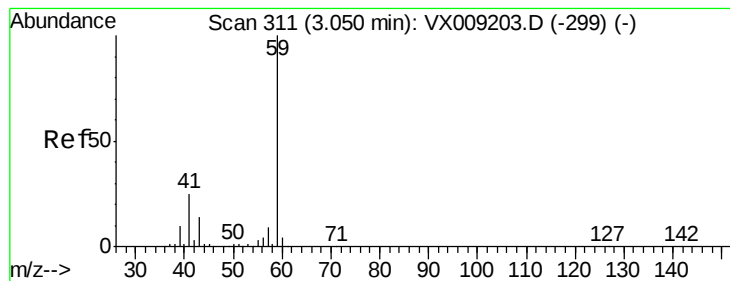


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



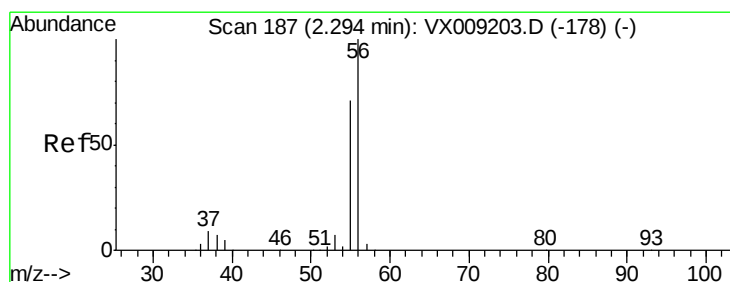
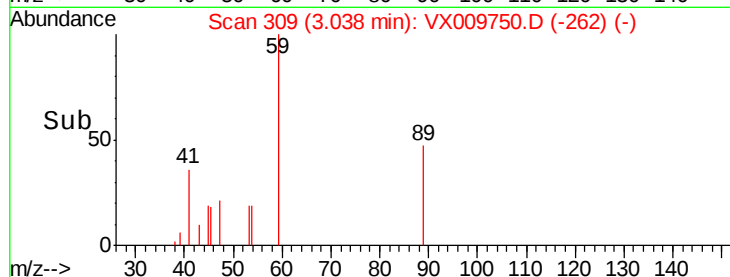
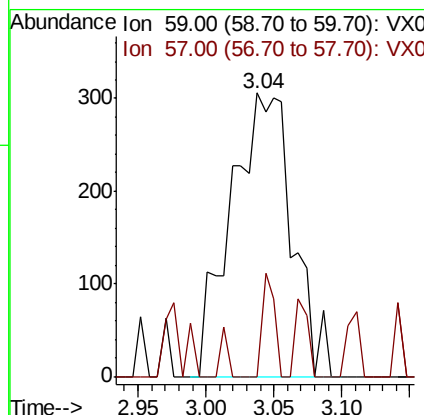
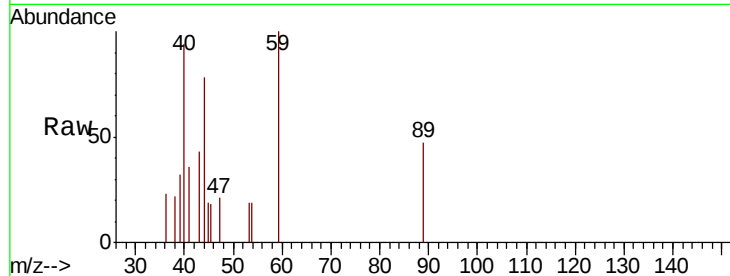


#11

Tert butyl alcohol
 Concen: 1.723 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX009750.D
 Acq: 21 May 2019 16:11

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-798-800

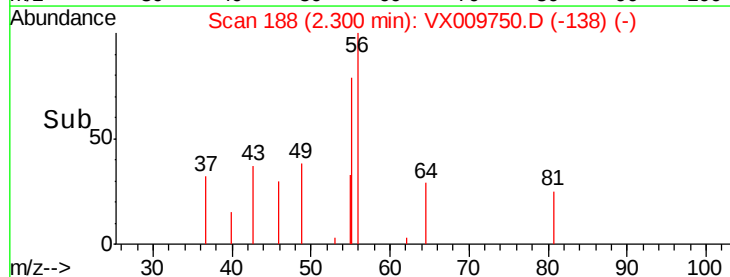
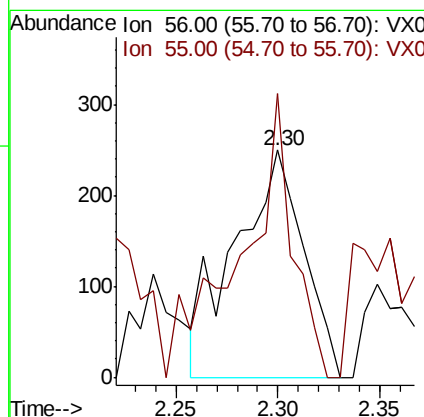
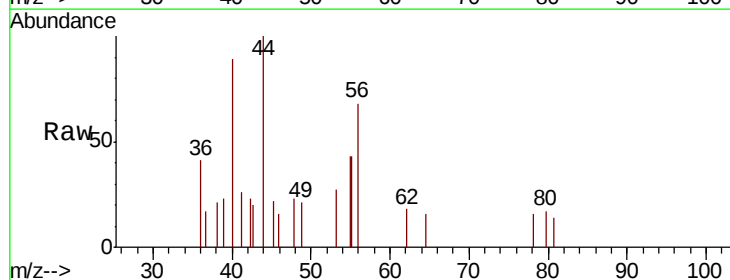
Tot Ion: 59 Resp: 966
 Ion Ratio Lower Upper
 59 100
 57 7.3 8.2 12.2#

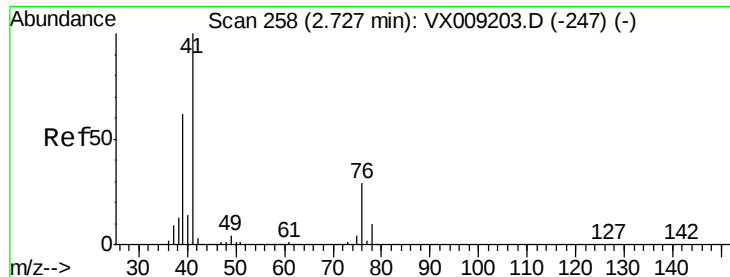


#13

Acrolein
 Concen: 1.150 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX009750.D
 Acq: 21 May 2019 16:11

Tgt Ion: 56 Resp: 584
 Ion Ratio Lower Upper
 56 100
 55 94.0 56.6 85.0#

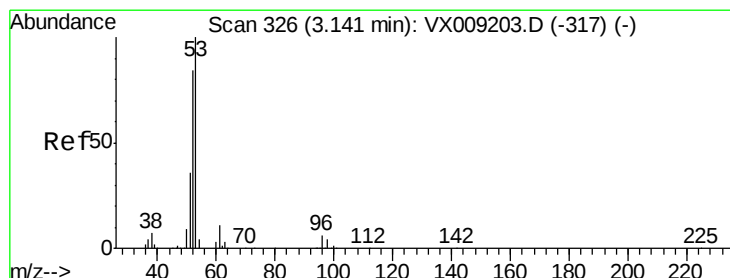
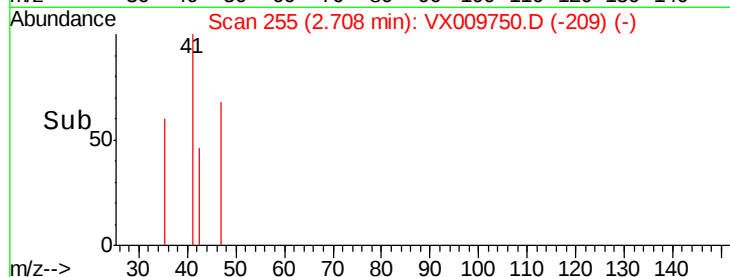
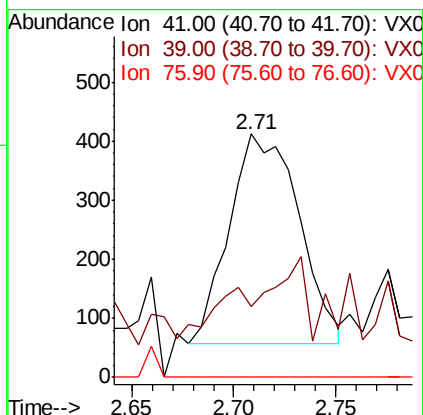
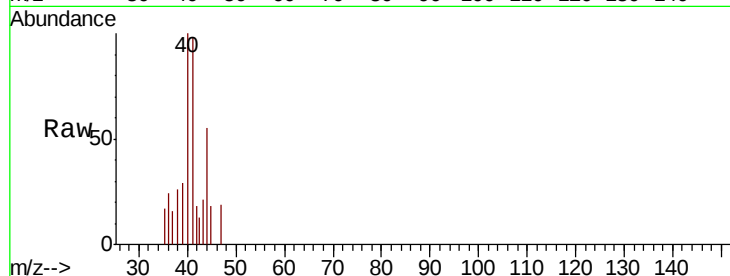




#14
Allvl chloride
Concen: 0.207 ug/l
RT: 2.71 min Scan# 255
Delta R.T. -0.02 min
Lab File: VX009750.D
Acq: 21 May 2019 16:11

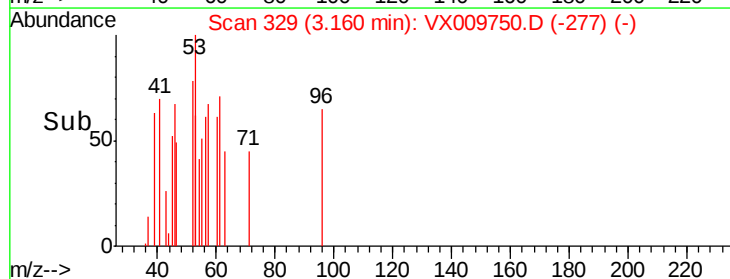
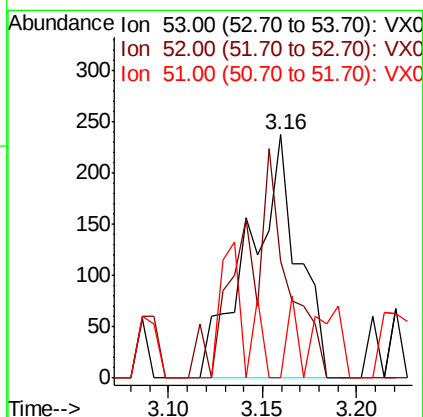
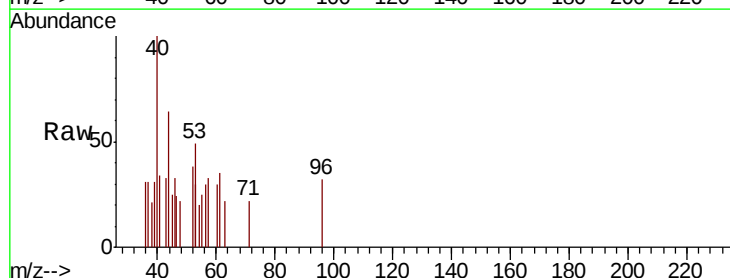
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-798-800

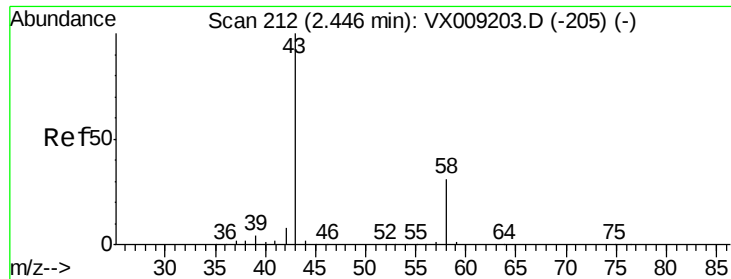
Tot Ion: 41 Resp: 838
Ion Ratio Lower Upper
41 100
39 14.2 46.7 70.1#
76 0.0 21.8 32.8#



#15
Acrylonitrile
Concen: 0.310 ug/l
RT: 3.16 min Scan# 329
Delta R.T. 0.02 min
Lab File: VX009750.D
Acq: 21 May 2019 16:11

Tgt Ion: 53 Resp: 425
Ion Ratio Lower Upper
53 100
52 86.6 66.9 100.3
51 6.8 28.2 42.2#





#16

Acetone

Concen: 40.461 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009750.D

Acq: 21 May 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

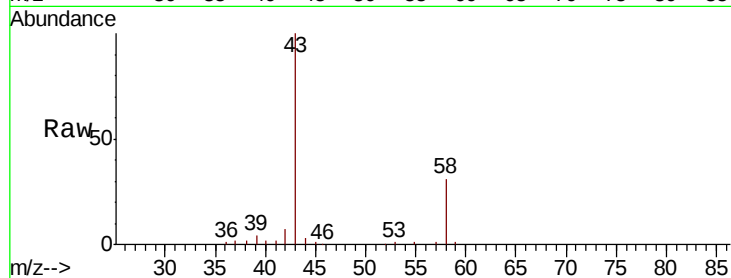
BP-VPB202-GW-798-800

Tot Ion: 43 Resp: 52630

Ion Ratio Lower Upper

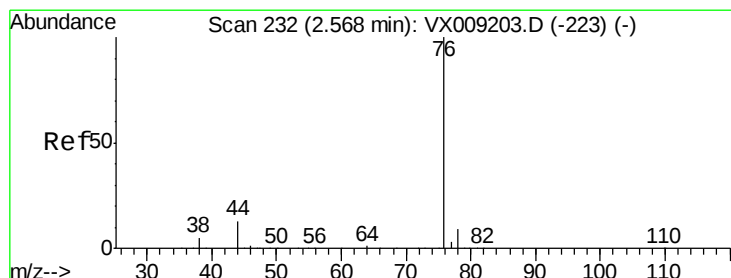
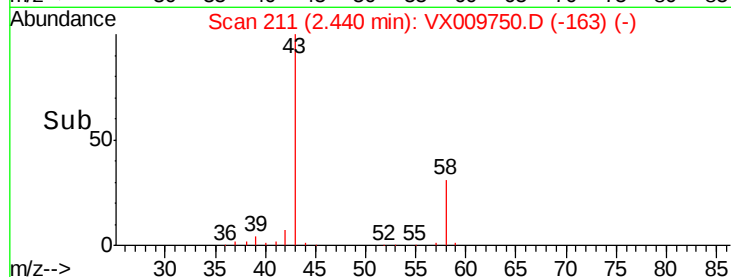
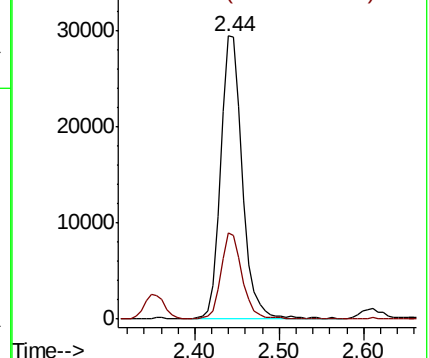
43 100

58 30.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.461 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009750.D

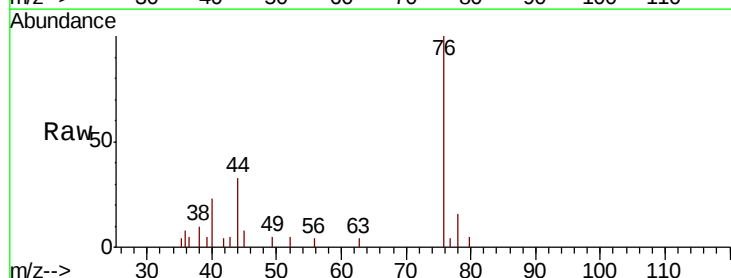
Acq: 21 May 2019 16:11

Tgt Ion: 76 Resp: 2153

Ion Ratio Lower Upper

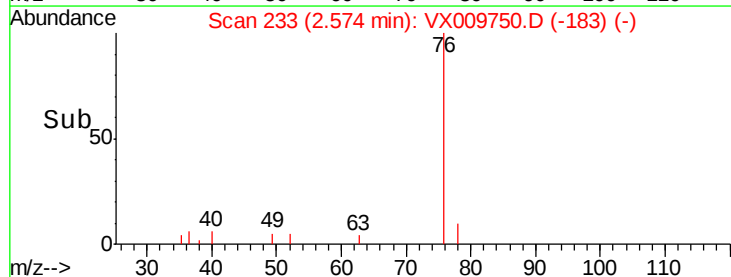
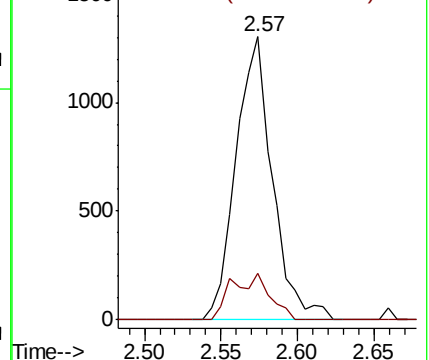
76 100

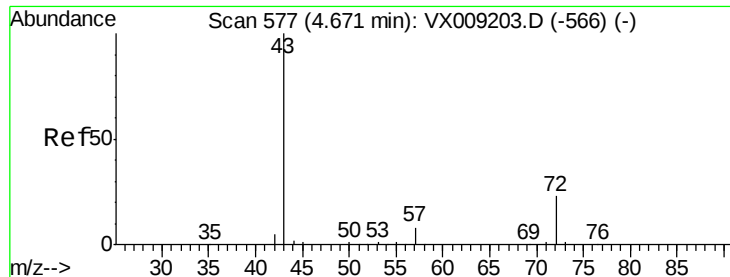
78 16.3 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#25

2-Butanone

Concen: 8.669 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009750.D

Acq: 21 May 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

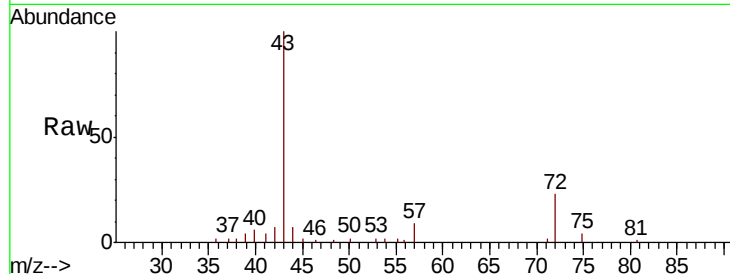
BP-VPB202-GW-798-800

Tot Ion: 43 Resp: 17523

Ion Ratio Lower Upper

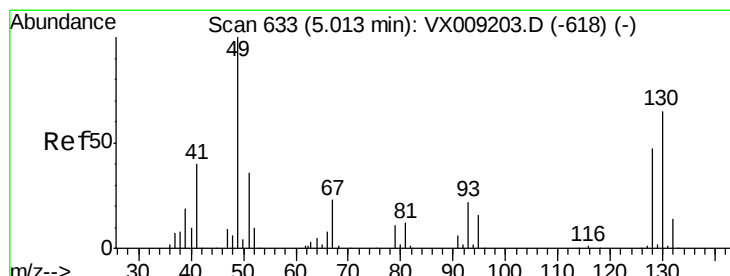
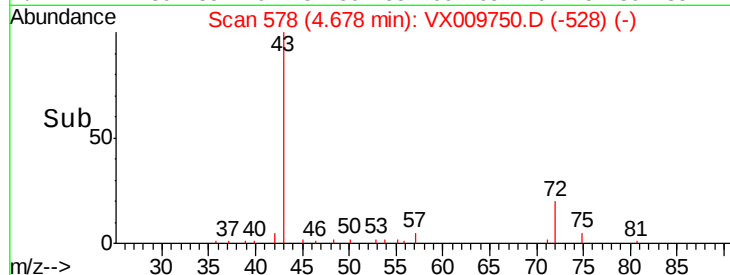
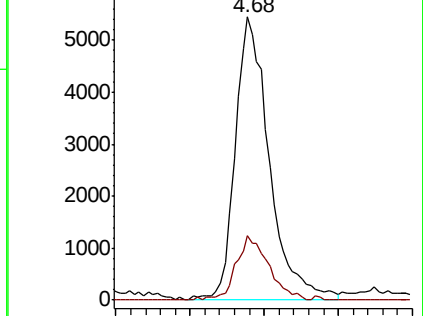
43 100

72 22.7 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: VX009750.D

Acq: 21 May 2019 16:11

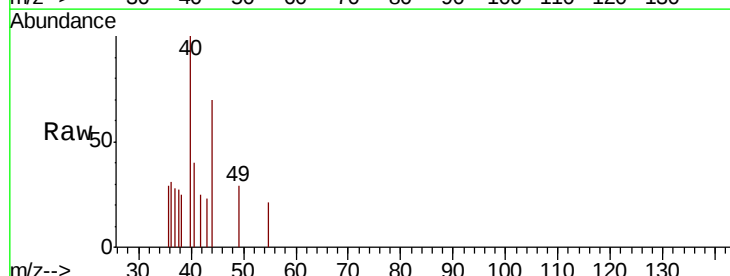
Tgt Ion: 49 Resp: 51

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

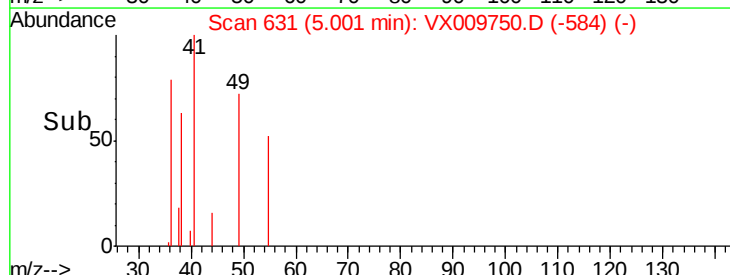
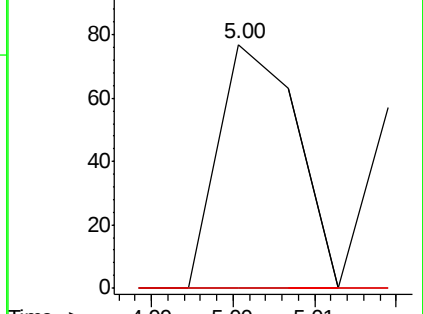
130 0.0 51.2 76.8#

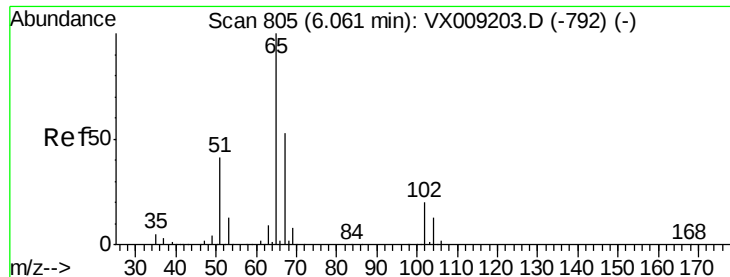


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#33

1,2-Dichloroethane-d4

Concen: 49.094 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009750.D

Acq: 21 May 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

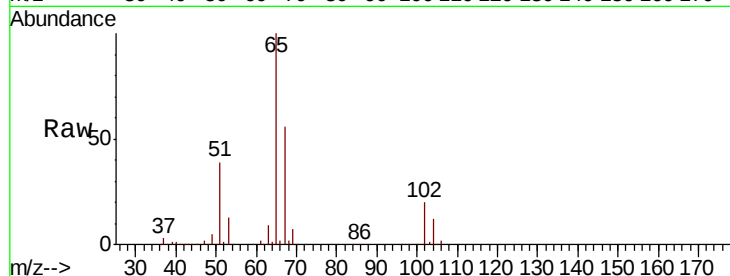
BP-VPB202-GW-798-800

Tot Ion: 65 Resp: 118928

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

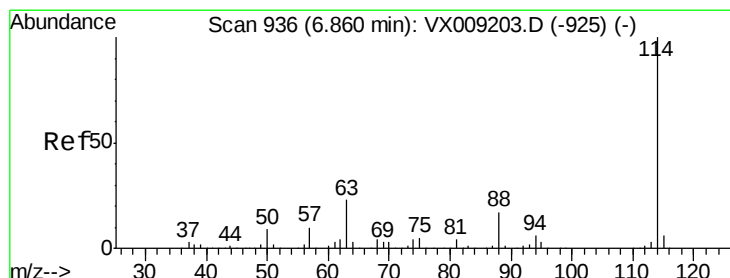
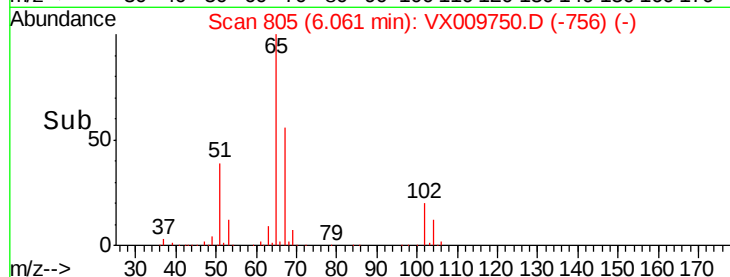
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009750.D

Acq: 21 May 2019 16:11

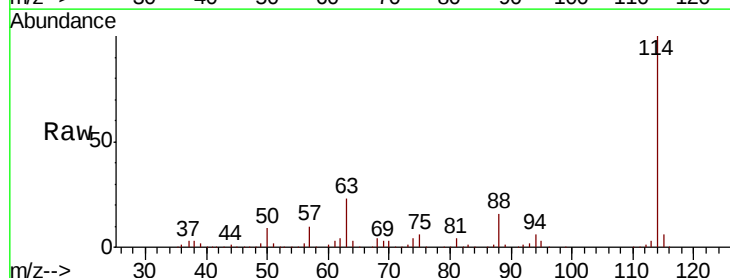
Tgt Ion: 114 Resp: 283928

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

88 16.0 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

150000

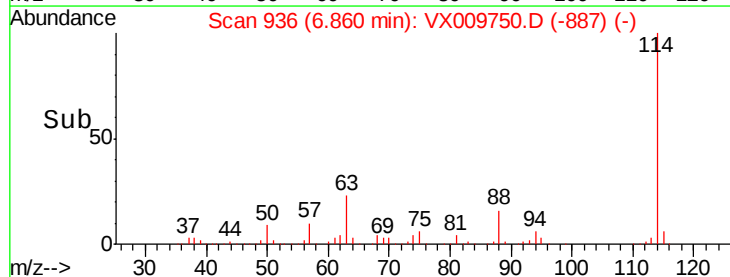
100000

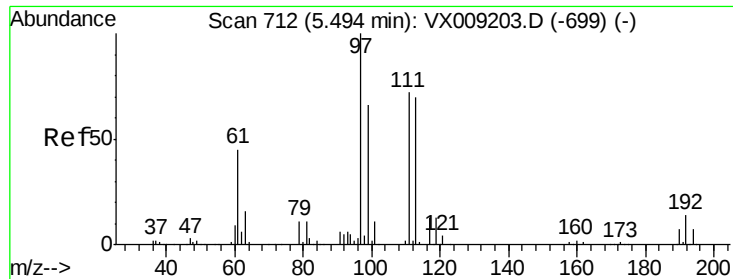
50000

0

Time-->

6.70 6.80 6.90 7.00

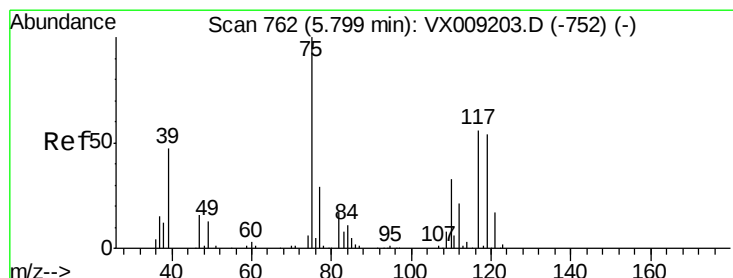
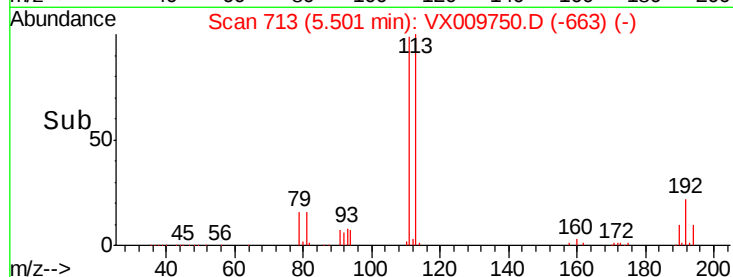
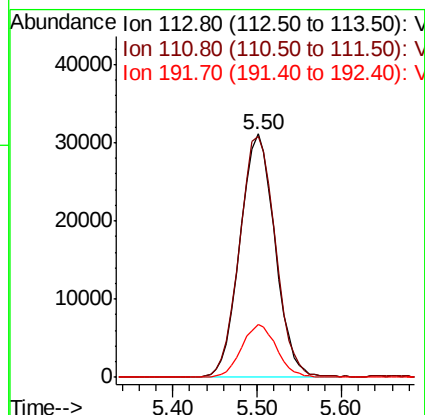
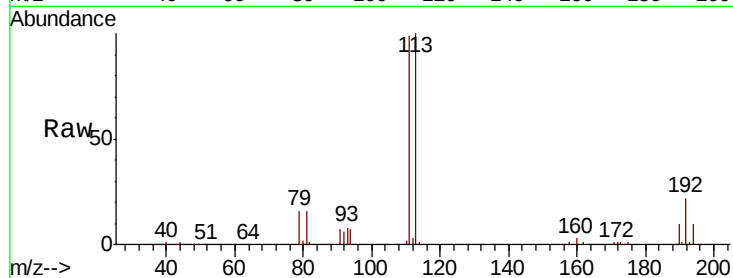




#35
 Dibromofluoromethane
 Concen: 49.028 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009750.D
 Acq: 21 May 2019 16:11

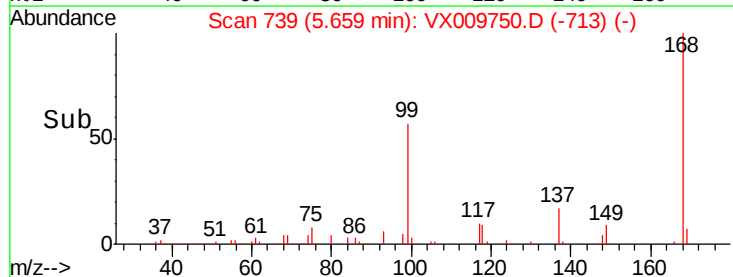
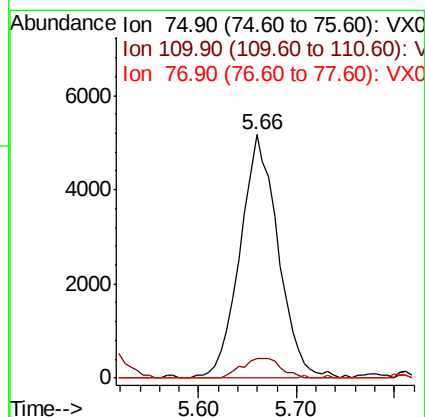
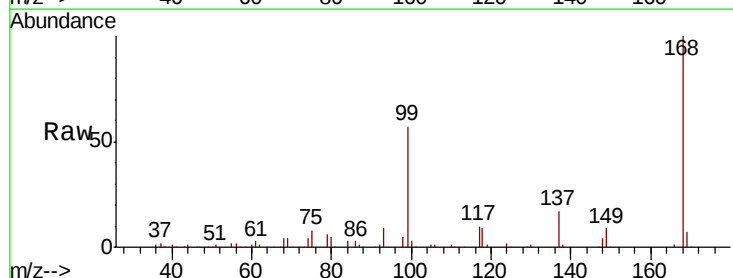
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-798-800

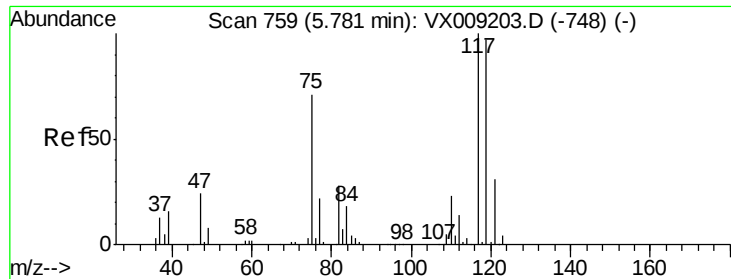
Tot Ion:113 Resp: 87509
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.8 124.2
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.288 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009750.D
 Acq: 21 May 2019 16:11

Tgt Ion: 75 Resp: 13953
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.9 50.6#
 77 0.0 24.8 37.2#

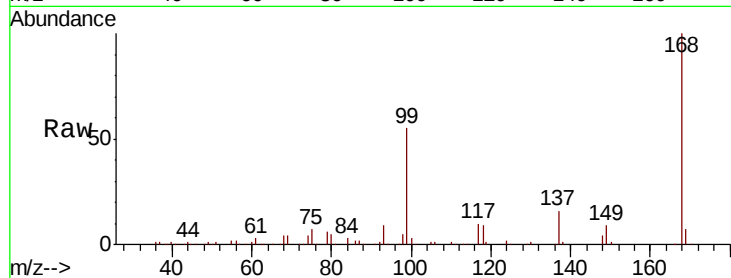




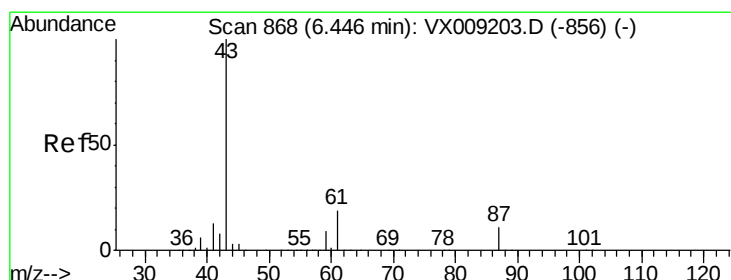
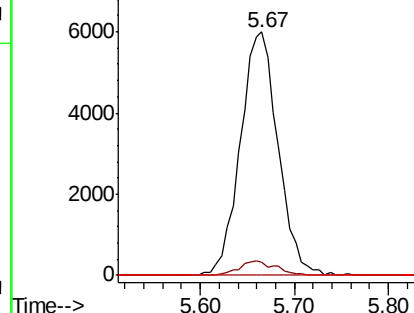
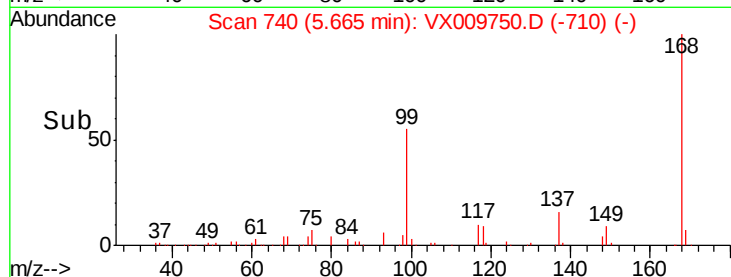
#38
Carbon Tetrachloride
Concen: 6.977 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009750.D
Acq: 21 May 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-798-800

Tot Ion:117 Resp: 16727
Ion Ratio Lower Upper
117 100
119 5.3 77.5 116.3#
121 0.0 24.7 37.1#

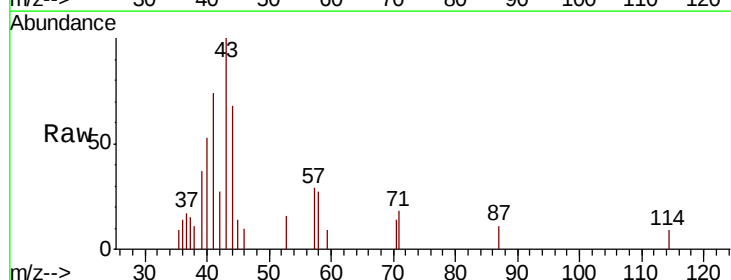


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

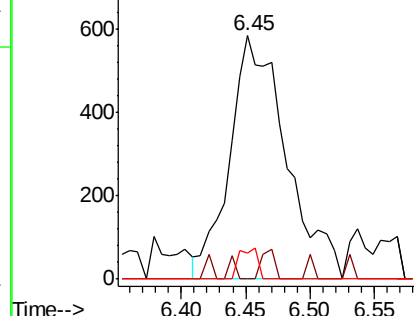
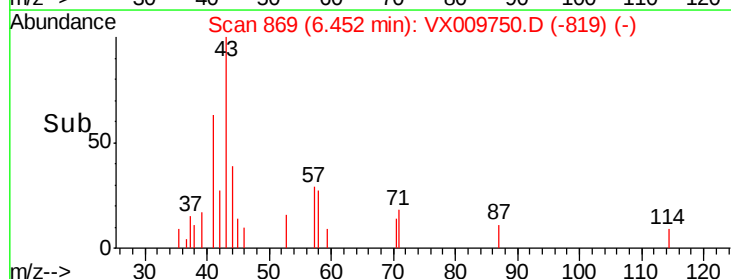


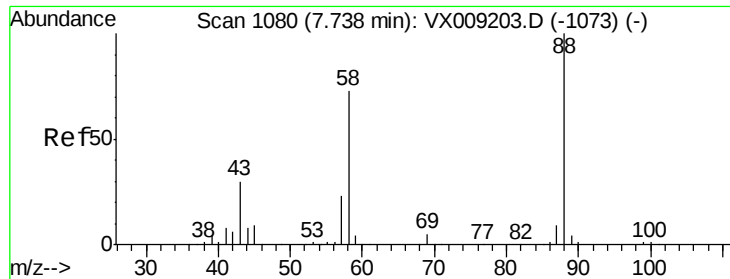
#43
Isopropyl Acetate
Concen: 0.302 ug/l
RT: 6.45 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX009750.D
Acq: 21 May 2019 16:11

Tgt Ion: 43 Resp: 1775
Ion Ratio Lower Upper
43 100
61 2.7 15.1 22.7#
87 4.2 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

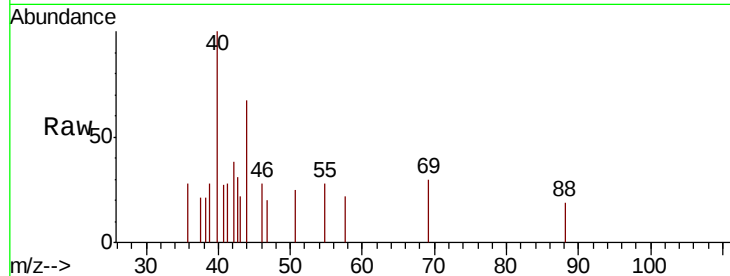




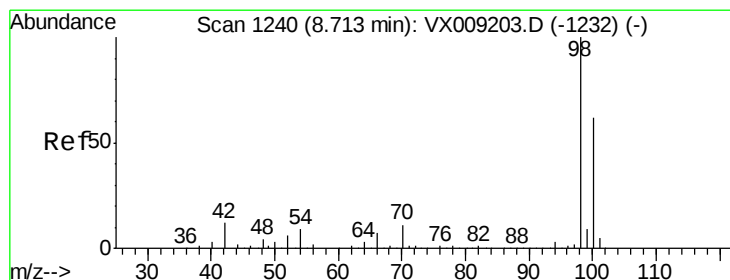
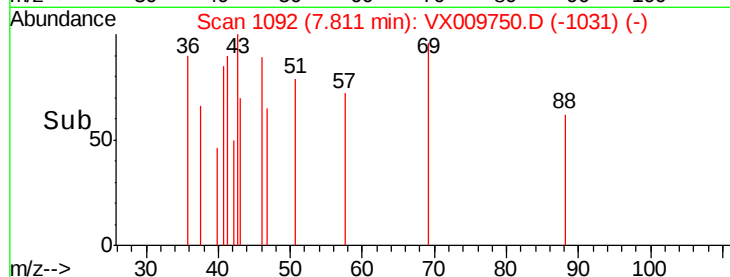
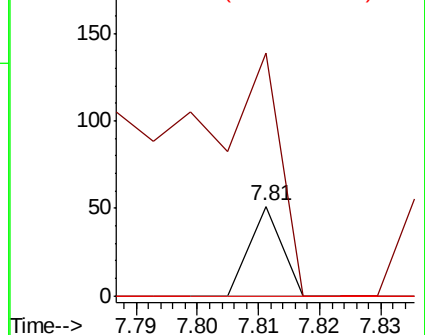
#49
1,4-Dioxane
Concen: 0.321 ug/l
RT: 7.81 min Scan# 1092
Delta R.T. 0.07 min
Lab File: VX009750.D
Acq: 21 May 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-798-800

Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 0.0 61.7 92.5#

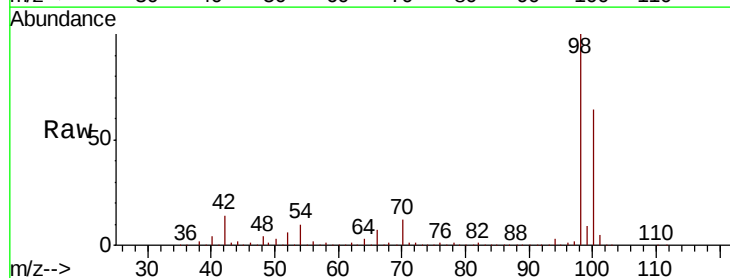


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

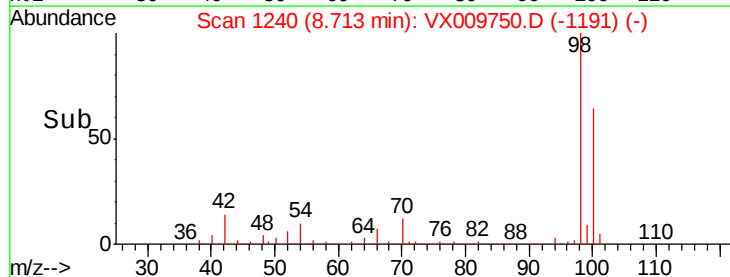
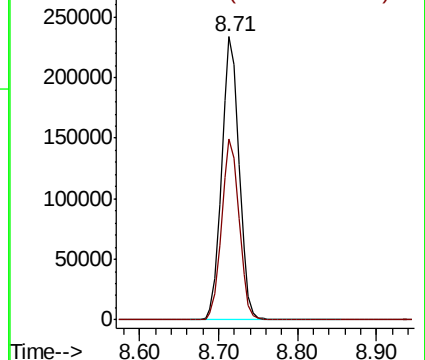


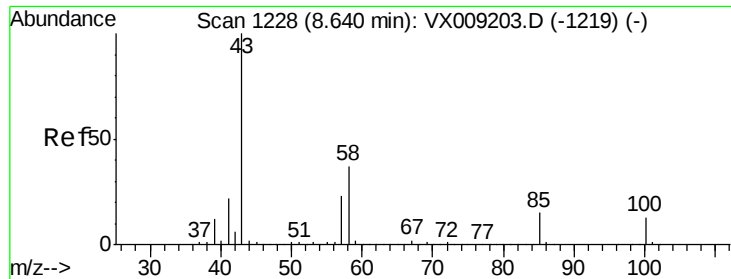
#50
Toluene-d8
Concen: 50.008 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009750.D
Acq: 21 May 2019 16:11

Tgt Ion: 98 Resp: 360356
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 0.863 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009750.D

Acq: 21 May 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

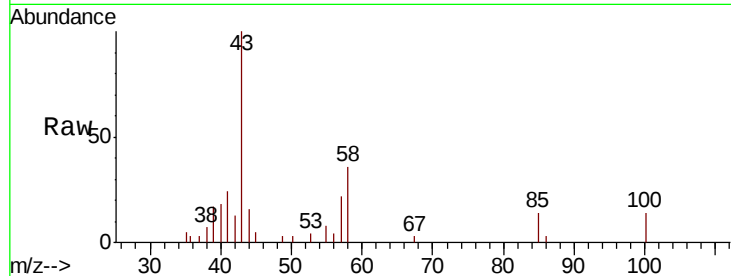
BP-VPB202-GW-798-800

Tot Ion: 43 Resp: 3318

Ion Ratio Lower Upper

43 100

58 37.8 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX009203.D (-1219) (-)

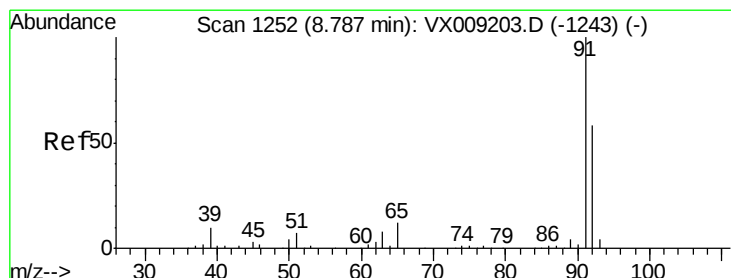
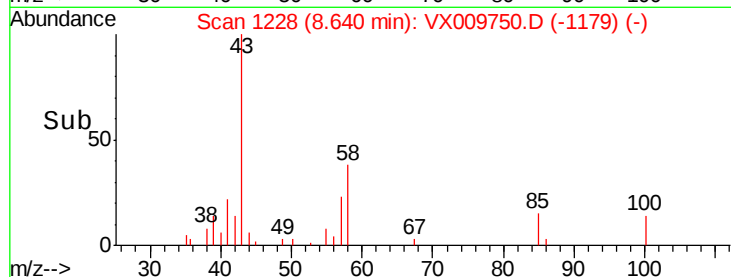
Ion 58.00 (57.70 to 58.70): VX009203.D (-1219) (-)

8.64

8.65

8.70

Time-->



#52

Toluene

Concen: 2.091 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009750.D

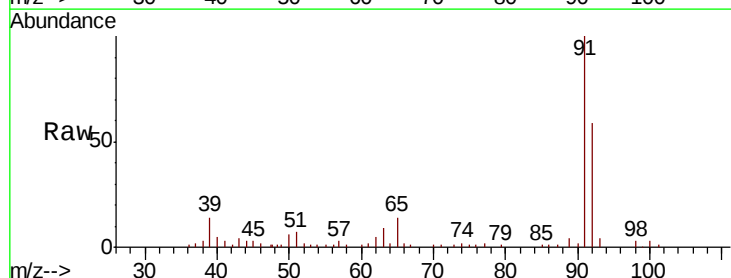
Acq: 21 May 2019 16:11

Tgt Ion: 92 Resp: 10377

Ion Ratio Lower Upper

92 100

91 168.1 138.8 208.2



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

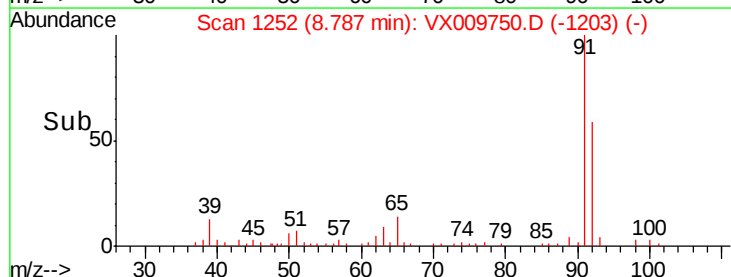
Ion 91.00 (90.70 to 91.70): VX009203.D (-1243) (-)

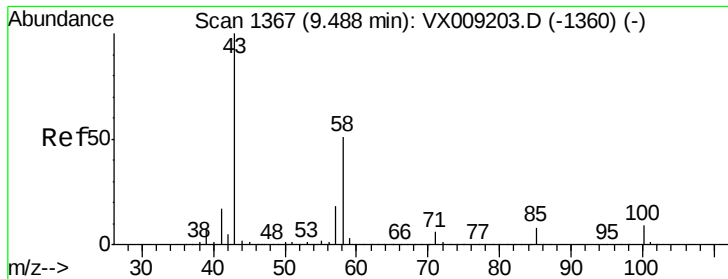
8.79

8.80

8.85

Time-->

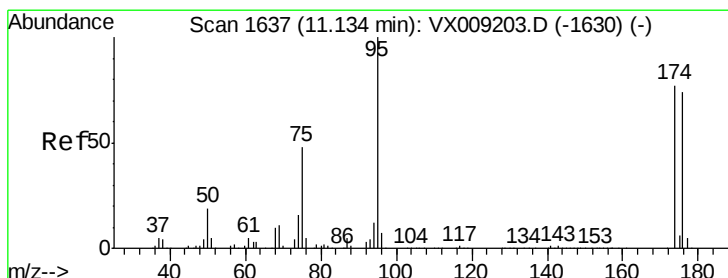
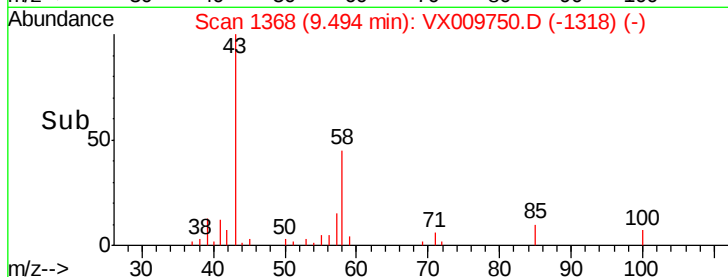
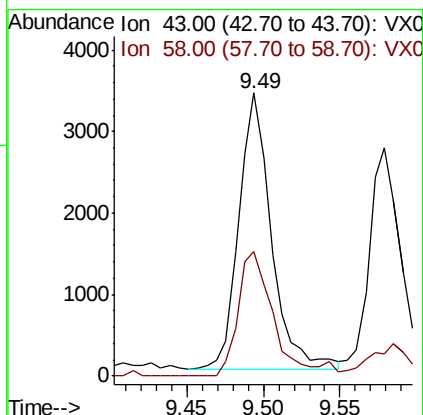
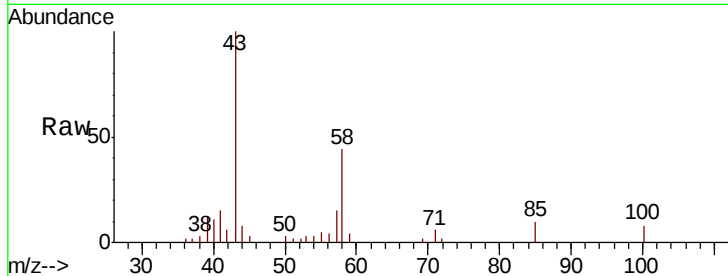




#59
2-Hexanone
Concen: 1.640 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009750.D
Acq: 21 May 2019 16:11

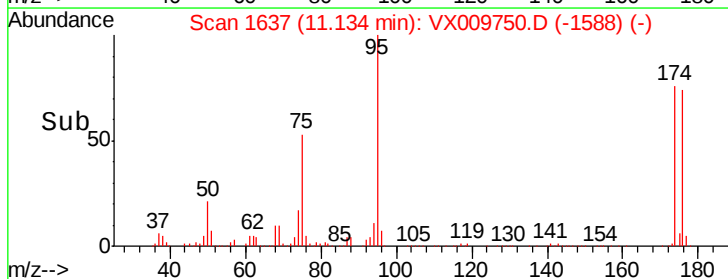
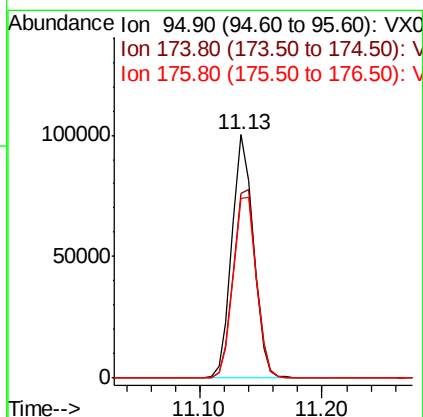
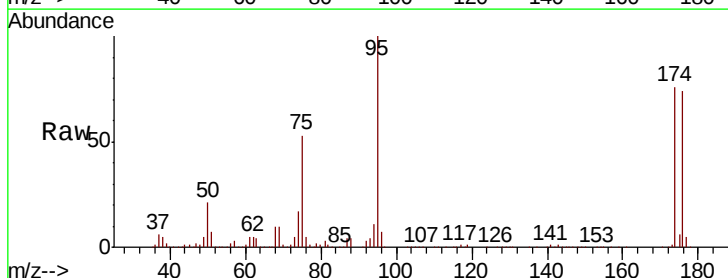
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-798-800

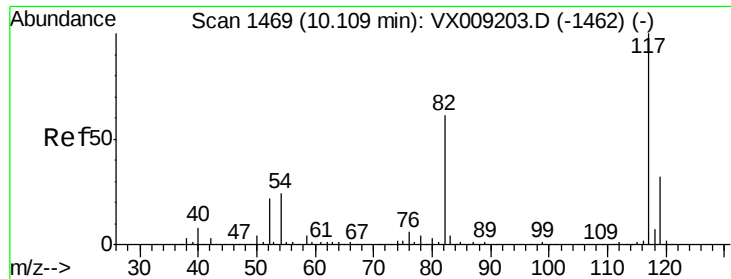
Tot Ion: 43 Resp: 4952
Ion Ratio Lower Upper
43 100
58 50.1 25.9 77.7



#62
4-Bromofluorobenzene
Concen: 46.432 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009750.D
Acq: 21 May 2019 16:11

Tgt Ion: 95 Resp: 121577
Ion Ratio Lower Upper
95 100
174 82.7 0.0 161.6
176 79.6 0.0 159.2

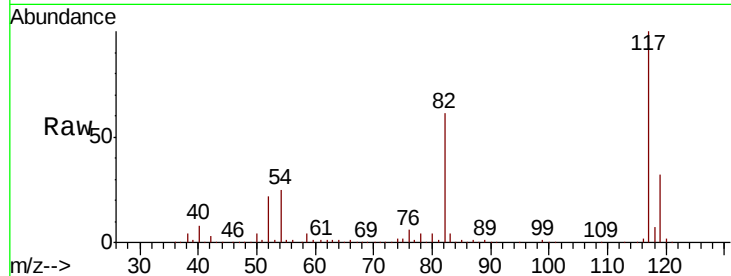




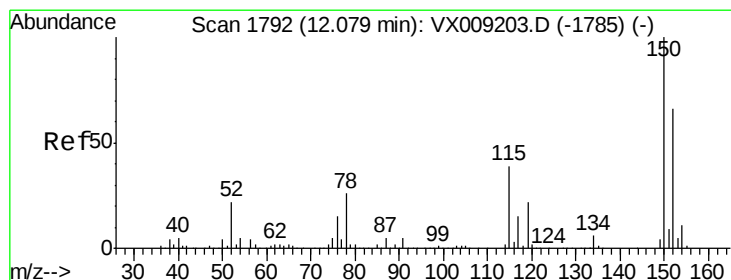
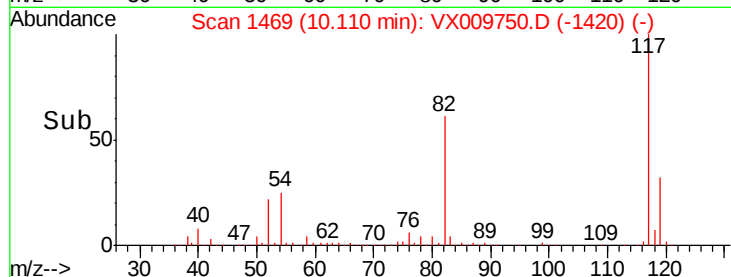
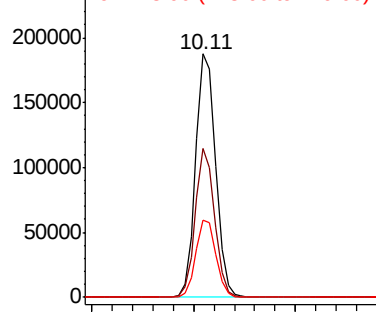
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009750.D
Acq: 21 May 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-798-800

Tot Ion:117 Resp: 255609
Ion Ratio Lower Upper
117 100
82 61.1 48.8 73.2
119 31.7 25.8 38.6

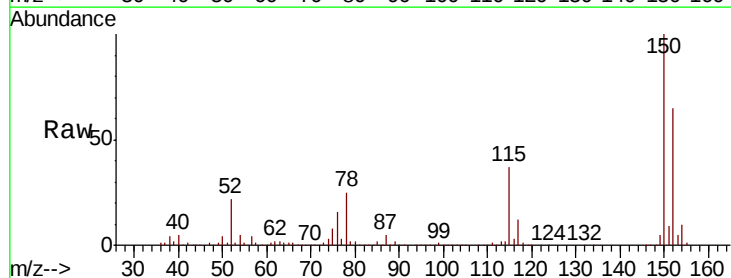


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

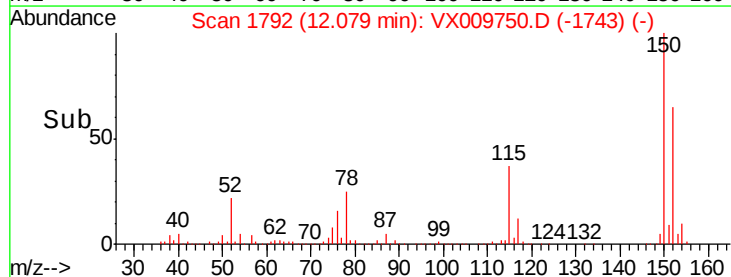
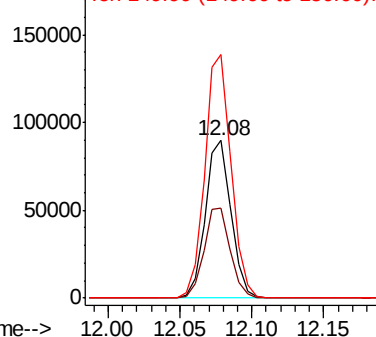


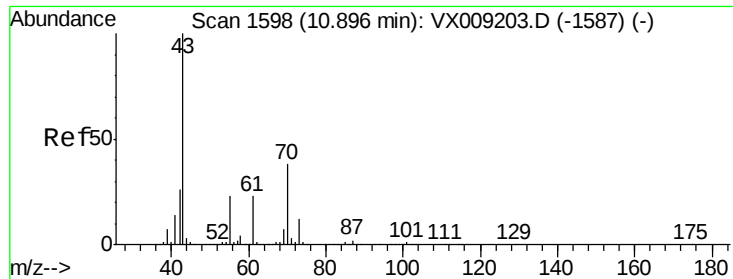
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009750.D
Acq: 21 May 2019 16:11

Tgt Ion:152 Resp: 111803
Ion Ratio Lower Upper
152 100
115 58.6 41.2 123.6
150 158.0 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

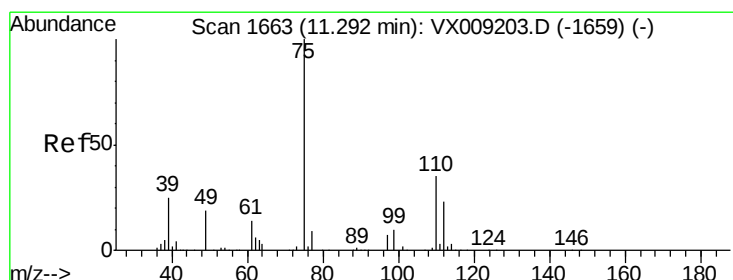
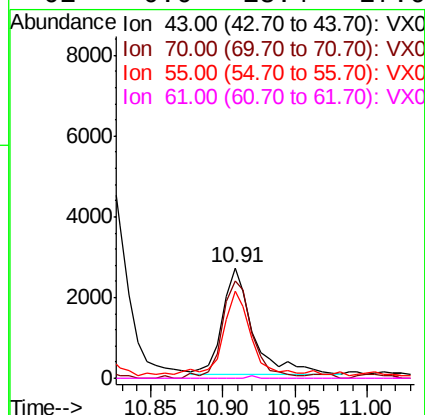
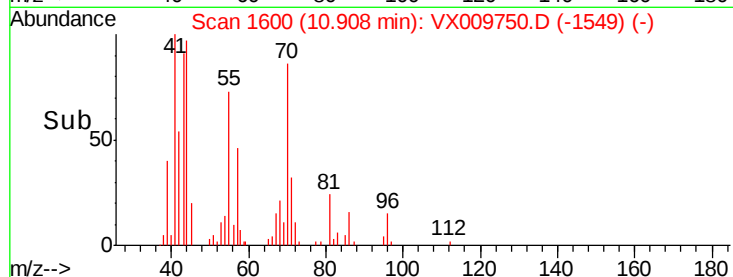
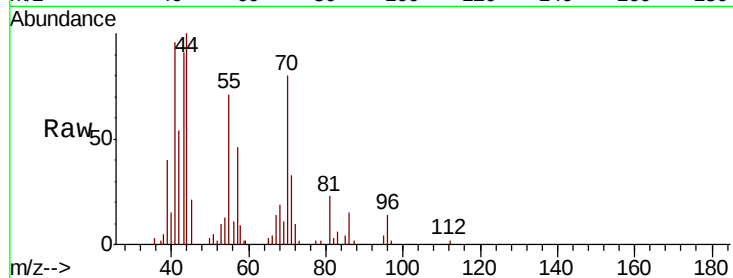




#74
N-amvl acetate
Concen: 0.834 ug/l
RT: 10.91 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VX009750.D
Acq: 21 May 2019 16:11

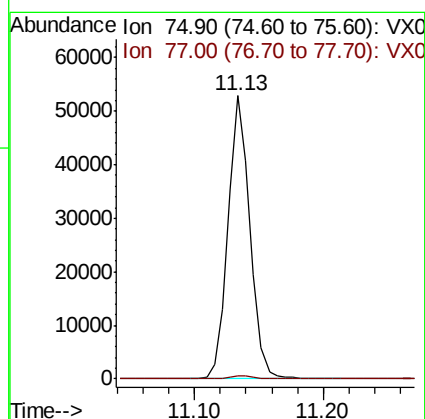
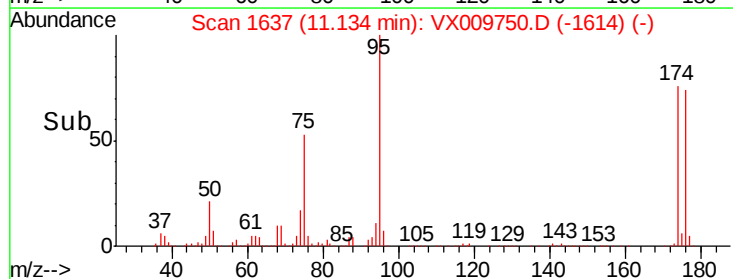
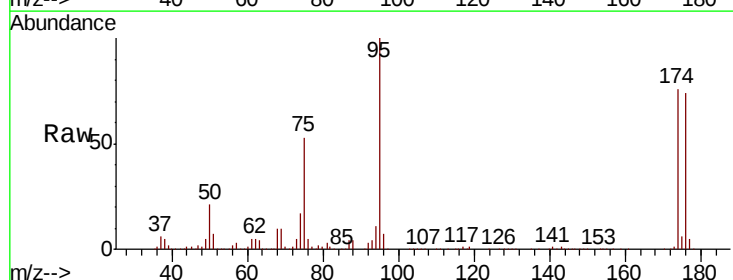
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-798-800

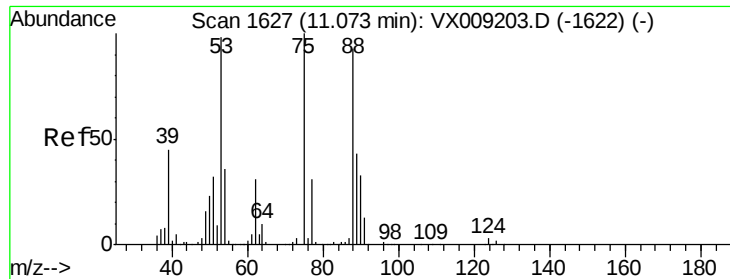
Tot Ion: 43 Resp: 3954
Ion Ratio Lower Upper
43 100
70 89.2 30.0 45.0#
55 69.9 17.9 26.9#
61 0.0 18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 24.417 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009750.D
Acq: 21 May 2019 16:11

Tgt Ion: 75 Resp: 63323
Ion Ratio Lower Upper
75 100
77 1.6 22.1 66.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.474 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009750.D

Acq: 21 May 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-798-800

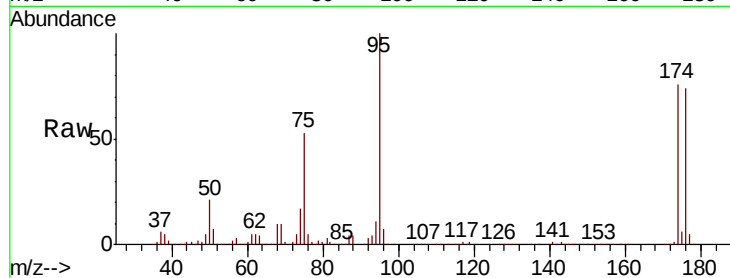
Tot Ion: 75 Resp: 63323

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

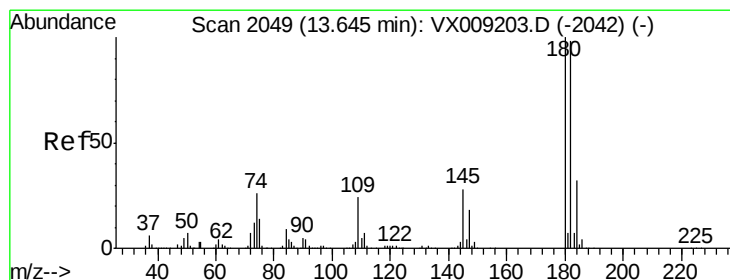
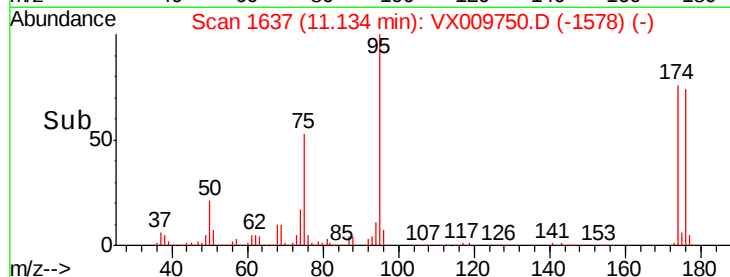
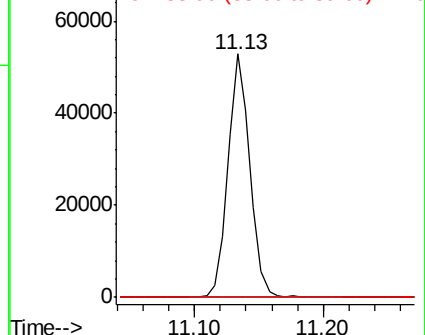
89 0.0 34.7 52.1#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.207 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX009750.D

Acq: 21 May 2019 16:11

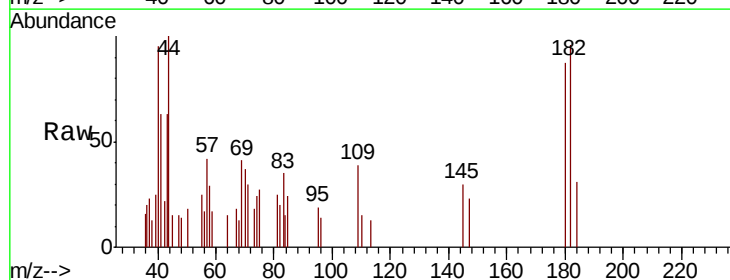
Tgt Ion:180 Resp: 519

Ion Ratio Lower Upper

180 100

182 92.5 48.4 145.2

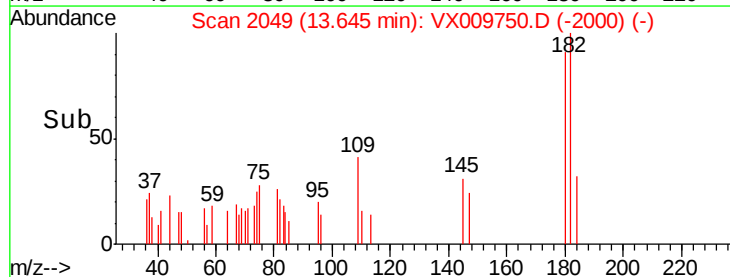
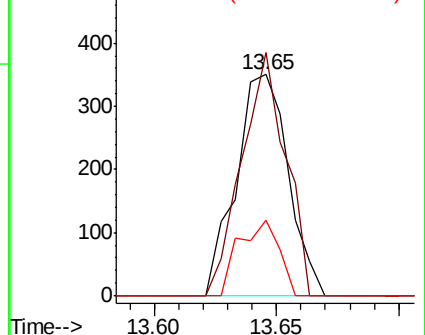
145 26.4 14.6 43.8

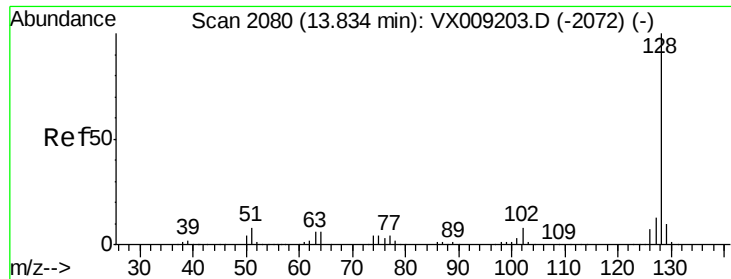


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

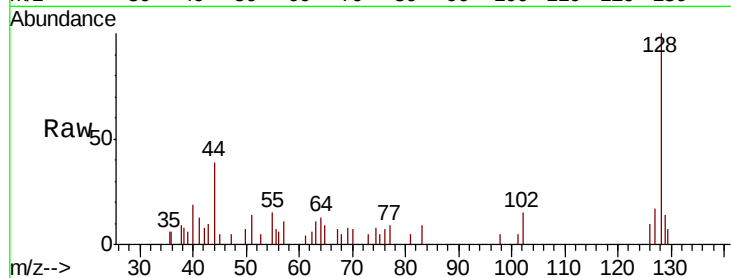




#95
Naphthalene
Concen: 0.206 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX009750.D
Acq: 21 May 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-798-800

Tot Ion:128 Resp: 1679
Ion Ratio Lower Upper
128 100
127 16.9 10.4 15.6#
129 15.8 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

