

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063236.D
 Acq On : 30 Jul 2019 12:43
 Operator : VA/AP
 Sample : K4043-13
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB203-GW-258-260

Quant Time: Jul 31 04:54:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	19920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	29723	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	20639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	9321	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	14415	65.22	ug/l	0.00
Spiked Amount			Recovery	=	130.44%	
35) Dibromofluoromethane	6.91	113	9490	37.40	ug/l	0.00
Spiked Amount			Recovery	=	74.80%	
50) Toluene-d8	10.41	98	21440	37.75	ug/l	0.00
Spiked Amount			Recovery	=	75.50%	
62) 4-Bromofluorobenzene	13.55	95	9276	35.84	ug/l	0.00
Spiked Amount			Recovery	=	71.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.75	50	948	5.011	ug/l #	83
4) Vinyl Chloride	1.92	62	236	1.205	ug/l #	45
5) Bromomethane	2.16	94	2265	22.931	ug/l #	32
6) Chloroethane	2.29	64	362	4.004	ug/l #	47
10) Methyl Iodide	3.30	142	1829	6.016	ug/l #	27
12) 1,1-Dichloroethene	3.11	96	502	3.249	ug/l #	1
13) Acrolein	3.09	56	264	28.280	ug/l	92
15) Acrylonitrile	4.20	53	187	7.436	ug/l #	14
16) Acetone	3.20	43	2959	68.709	ug/l #	62
17) Carbon Disulfide	3.35	76	854	1.651	ug/l #	74
18) Methyl Acetate	3.67	43	571	6.903	ug/l #	60
20) Methylene Chloride	3.82	84	181	1.040	ug/l #	2
25) 2-Butanone	6.18	43	217	5.021	ug/l #	56
27) cis-1,2-Dichloroethene	5.97	96	233	1.254	ug/l	1
28) Bromochloromethane	6.27	49	227	1.814	ug/l #	2
29) Tetrahydrofuran	6.31	42	180	8.797	ug/l #	33
31) Cyclohexane	7.01	56	322	1.635	ug/l #	18
37) Ethyl Acetate	6.18	43	217	1.781	ug/l #	70
41) Methacrylonitrile	6.38	41	199	1.365	ug/l #	40
43) Isopropyl Acetate	9.33	43	284	1.824	ug/l #	49
45) 1,2-Dichloropropane	9.00	63	183	1.266	ug/l #	45
46) Dibromomethane	9.06	93	217	1.806	ug/l #	1
51) 4-Methyl-2-Pentanone	10.26	43	279	2.635	ug/l #	42
55) 1,1,2-Trichloroethane	11.20	97	180	1.410	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.84	63	229	3.147	ug/l #	47
59) 2-Hexanone	11.55	43	290	3.801	ug/l #	31
61) 1,2-Dibromoethane	11.80	107	290	1.840	ug/l #	1
67) Ethyl Benzene	12.65	91	1239	1.837	ug/l #	46
74) N-amyl acetate	13.20	43	221	1.429	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	13.74	83	180	1.811	ug/l #	24
77) Bromobenzene	13.68	156	438	2.628	ug/l #	1
78) n-propylbenzene	13.77	91	730	1.049	ug/l #	55
79) 2-Chlorotoluene	13.83	91	675	1.673	ug/l #	39
81) trans-1,4-Dichloro-2-buten	13.55	75	4129	132.815	ug/l #	3

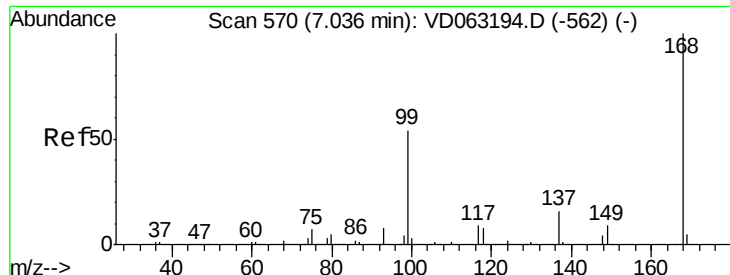
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	13.94	91	1399	2.947	ug/l #	41
84) 1,2,4-Trimethylbenzene	14.24	105	1564	2.997	ug/l #	34
88) 1,4-Dichlorobenzene	14.53	146	511	1.712	ug/l #	24
90) Hexachloroethane	14.91	117	188	1.246	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.94	180	509	2.495	ug/l #	43
95) Naphthalene	16.13	128	1972	6.840	ug/l #	64
96) 1,2,3-Trichlorobenzene	16.27	180	664	4.120	ug/l #	72

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

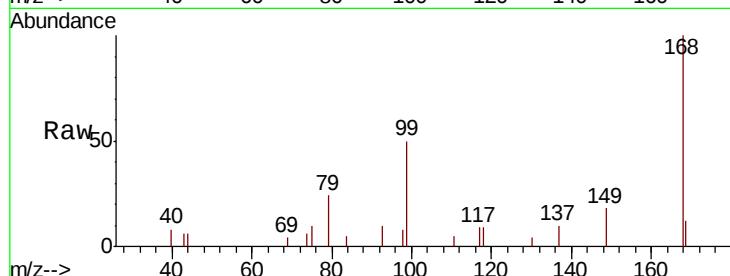
BP-VPB203-GW-258-260

Tot Ion:168 Resp: 19920

Ion Ratio Lower Upper

168 100

99 49.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

8000

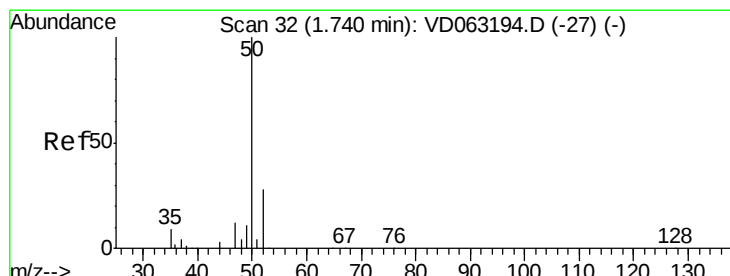
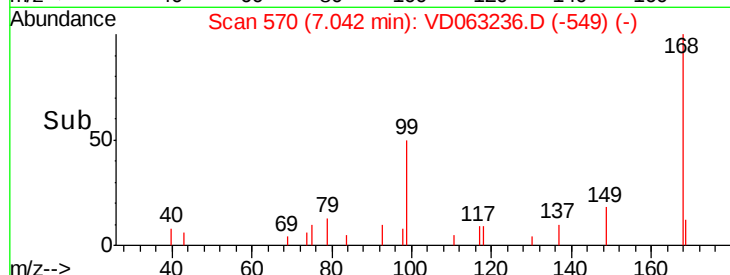
6000

4000

2000

0

Time--> 6.90 7.00 7.10



#3

Chloromethane

Concen: 5.011 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD063236.D

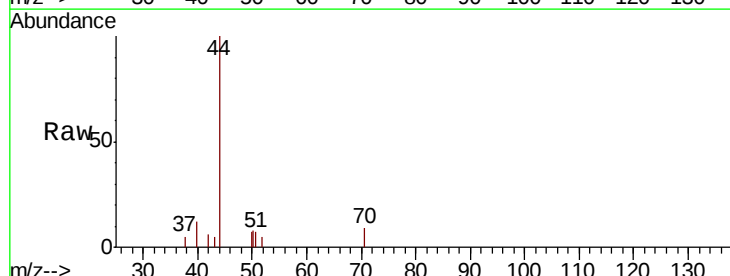
Acq: 30 Jul 2019 12:43

Tgt Ion: 50 Resp: 948

Ion Ratio Lower Upper

50 100

52 37.5 22.6 34.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

1000

800

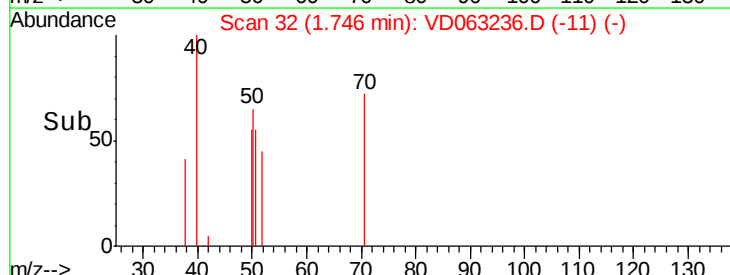
600

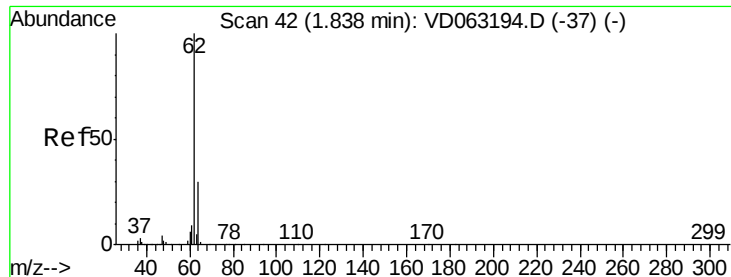
400

200

0

Time--> 1.70 1.75





#4

Vinyl Chloride

Concen: 1.205 ug/l

RT: 1.92 min Scan# 50

Delta R.T. 0.08 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

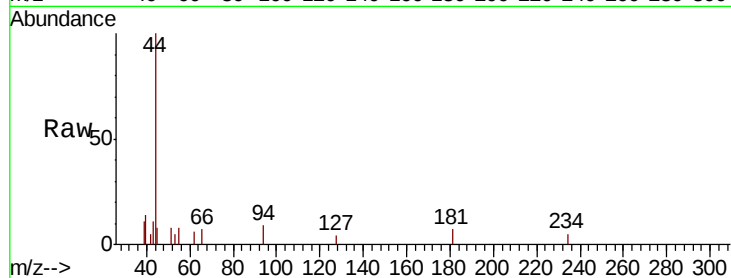
BP-VPB203-GW-258-260

Tot Ion: 62 Resp: 236

Ion Ratio Lower Upper

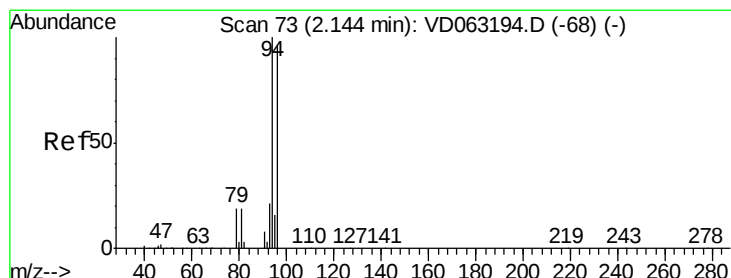
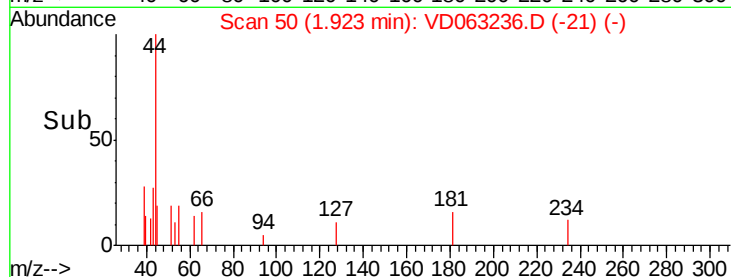
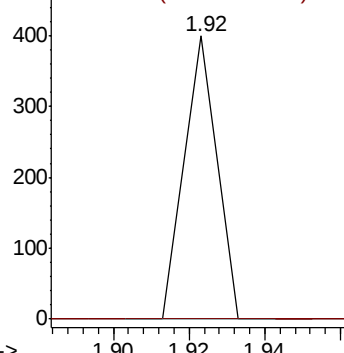
62 100

64 0.0 24.1 36.1#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



#5

Bromomethane

Concen: 22.931 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

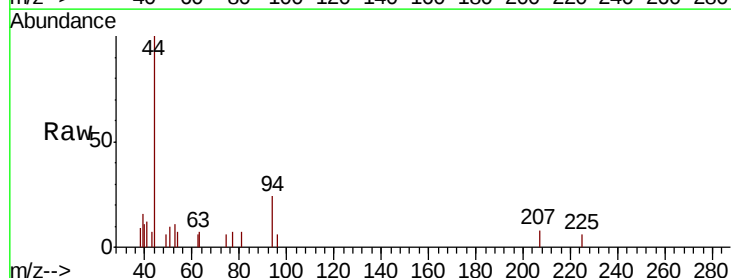
Tgt Ion: 94 Resp: 2265

Ion Ratio Lower Upper

94 100

96 24.2 76.4 114.6#

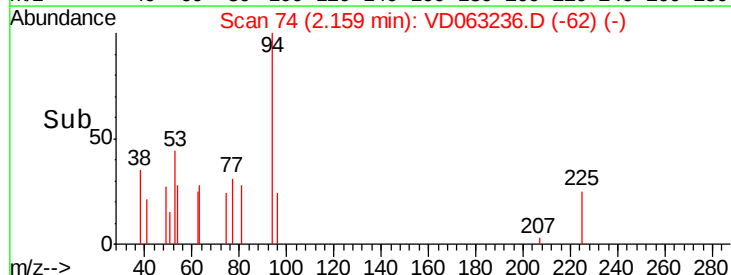
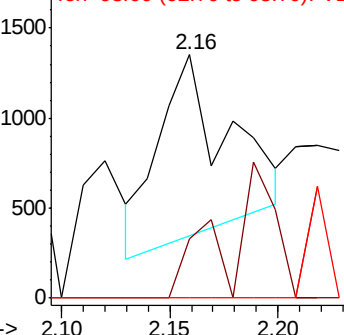
93 0.0 17.3 25.9#

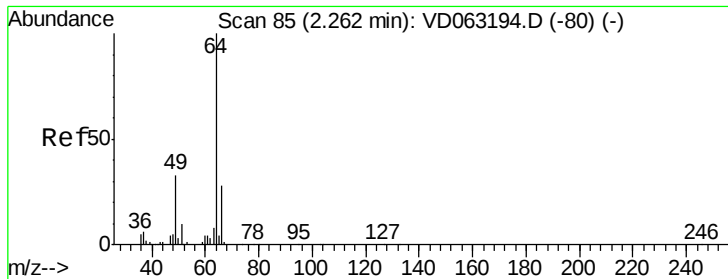


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#6

Chloroethane

Concen: 4.004 ug/l

RT: 2.29 min Scan# 87

Delta R.T. 0.03 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

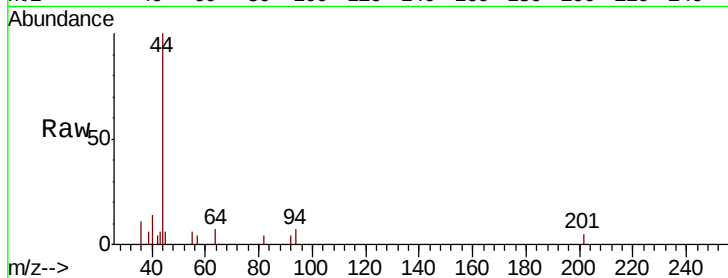
BP-VPB203-GW-258-260

Tot Ion: 64 Resp: 362

Ion Ratio Lower Upper

64 100

66 0.0 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.29

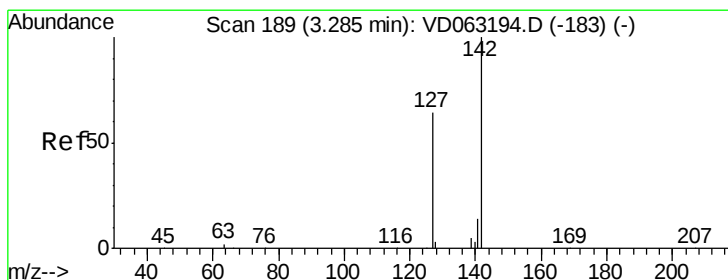
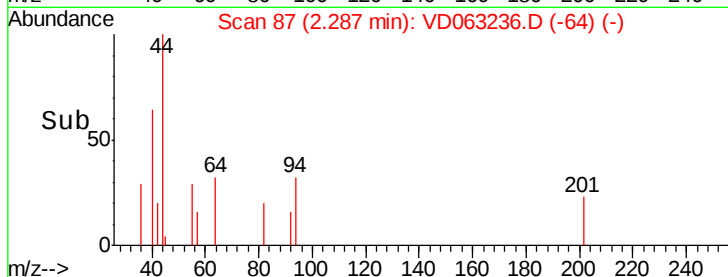
600

400

200

0

Time-->



#10

Methyl Iodide

Concen: 6.016 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.02 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

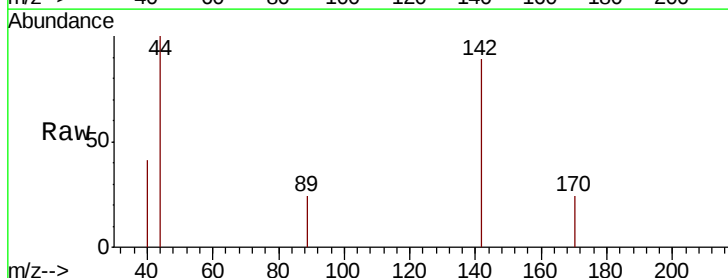
Tgt Ion: 142 Resp: 1829

Ion Ratio Lower Upper

142 100

127 0.0 50.8 76.2#

141 0.0 11.4 17.2#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

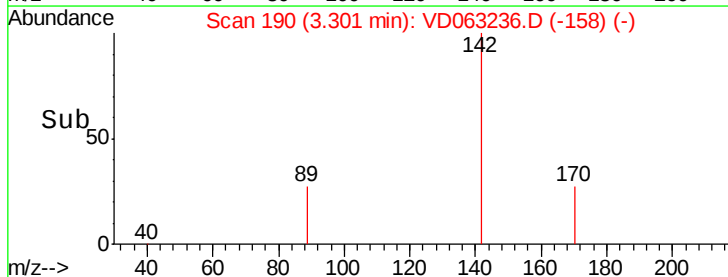
1500

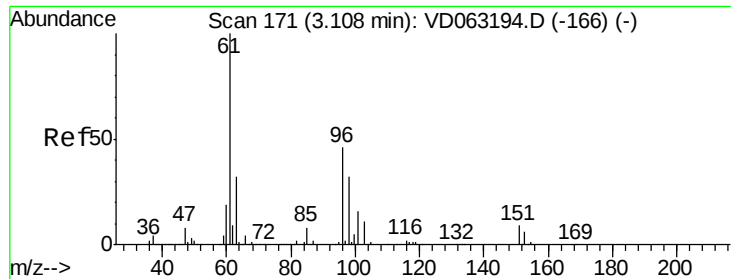
1000

500

0

Time-->





#12

1,1-Dichloroethene

Concen: 3.249 ug/l

RT: 3.11 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-258-260

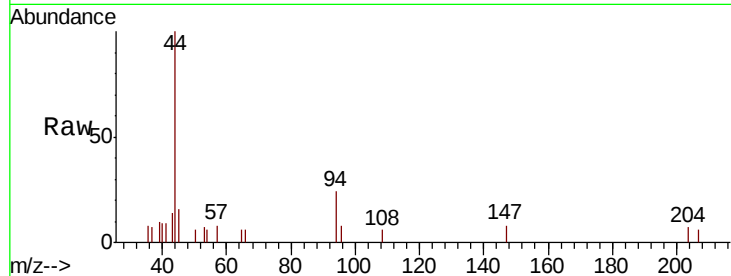
Tot Ion: 96 Resp: 502

Ion Ratio Lower Upper

96 100

61 0.0 173.7 260.5#

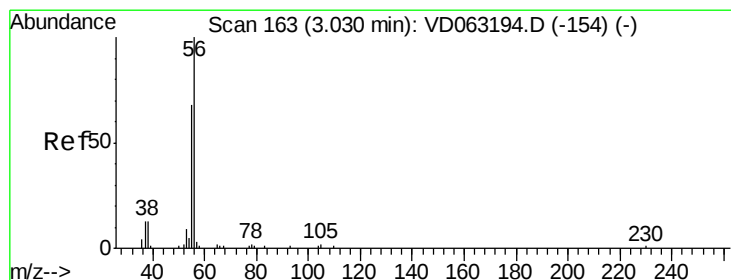
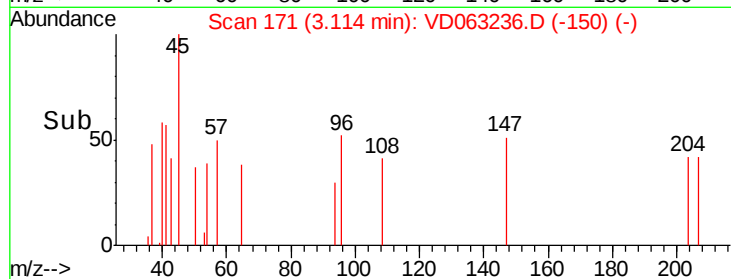
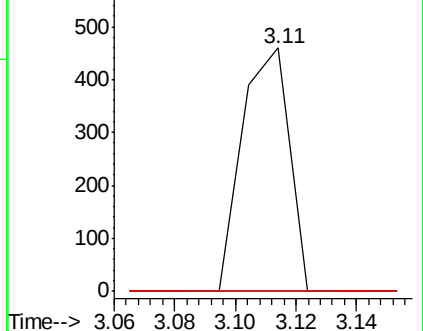
98 0.0 55.8 83.8#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#13

Acrolein

Concen: 28.280 ug/l

RT: 3.09 min Scan# 169

Delta R.T. 0.06 min

Lab File: VD063236.D

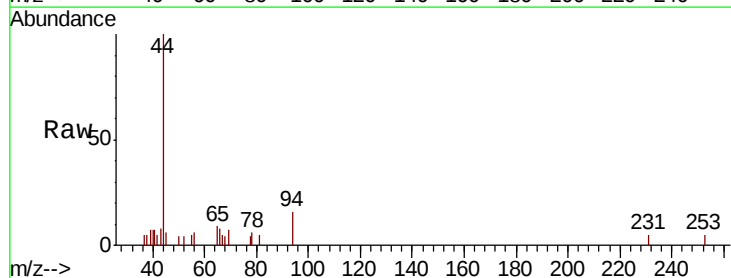
Acq: 30 Jul 2019 12:43

Tgt Ion: 56 Resp: 264

Ion Ratio Lower Upper

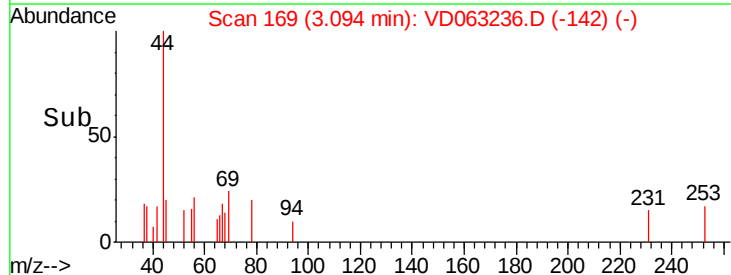
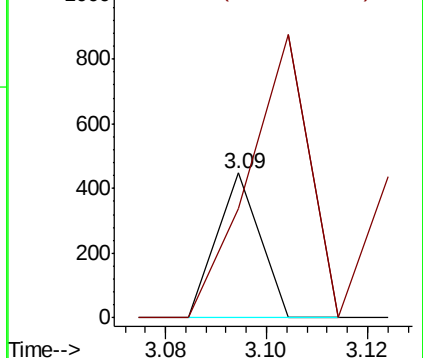
56 100

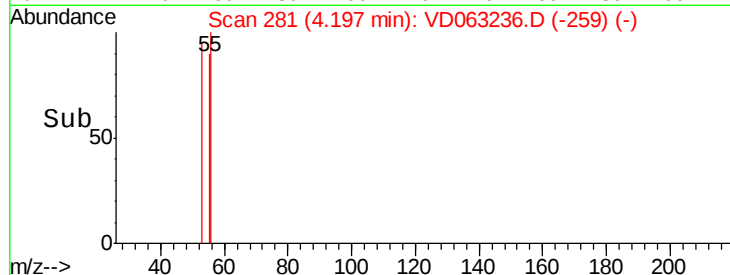
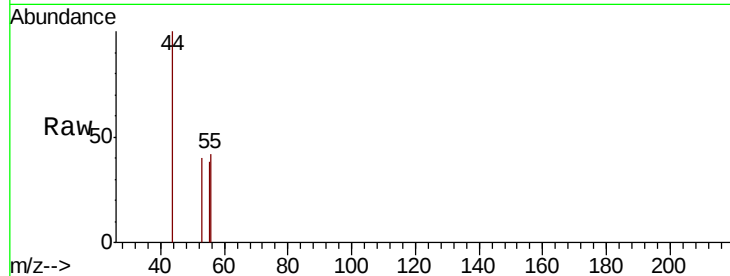
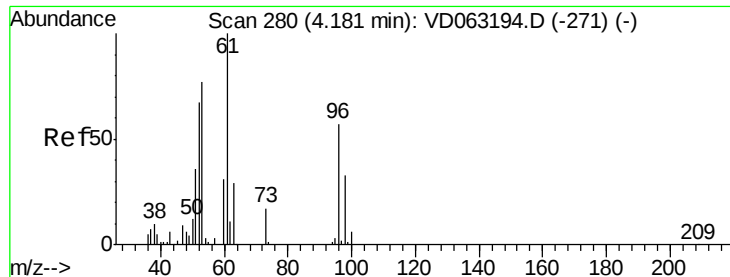
55 75.9 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

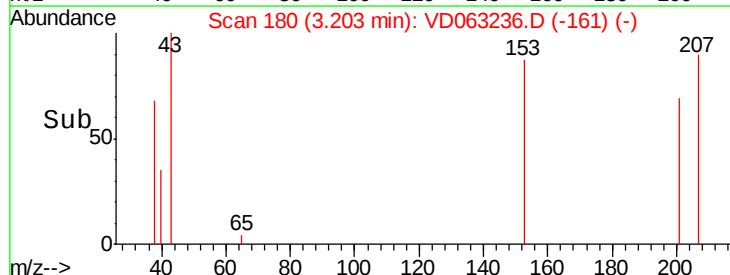
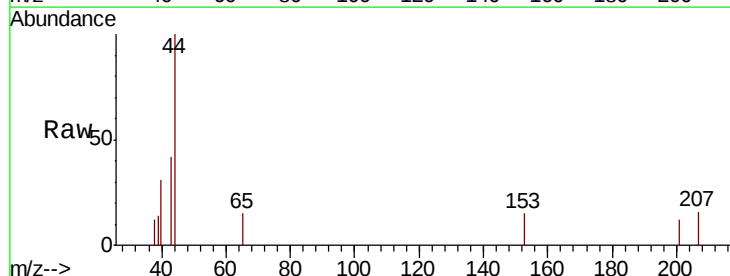
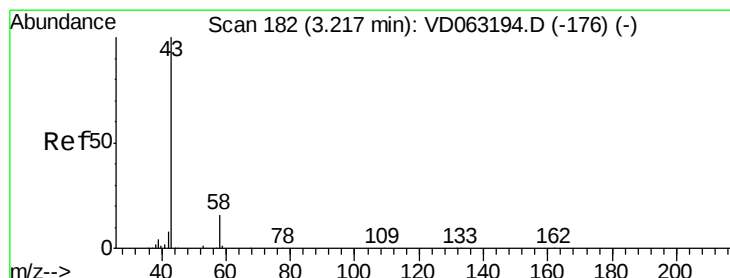
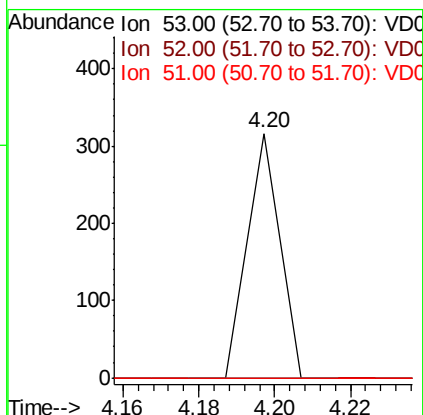




#15
Acrylonitrile
Concen: 7.436 ug/l
RT: 4.20 min Scan# 281
Delta R.T. 0.02 min
Lab File: VD063236.D
Acq: 30 Jul 2019 12:43

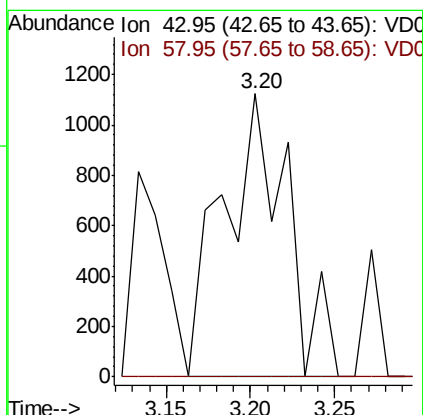
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BP-VPB203-GW-258-260

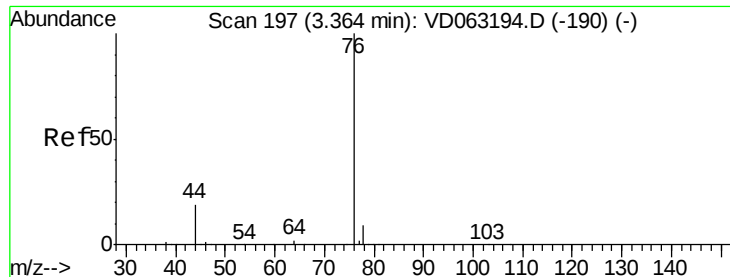
Tot Ion: 53 Resp: 187
Ion Ratio Lower Upper
53 100
52 0.0 69.7 104.5#
51 0.0 37.4 56.0#



#16
Acetone
Concen: 68.709 ug/l
RT: 3.20 min Scan# 180
Delta R.T. -0.01 min
Lab File: VD063236.D
Acq: 30 Jul 2019 12:43

Tgt Ion: 43 Resp: 2959
Ion Ratio Lower Upper
43 100
58 0.0 13.0 19.4#

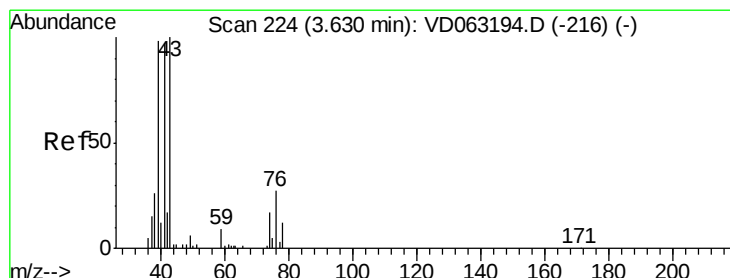
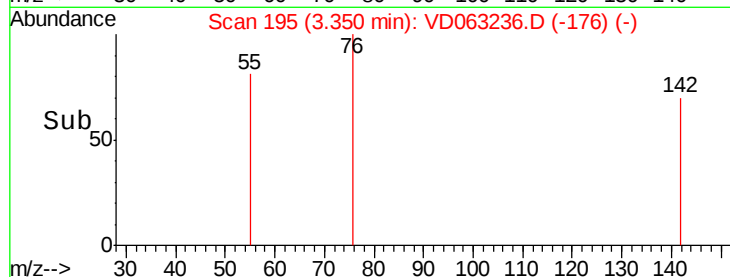
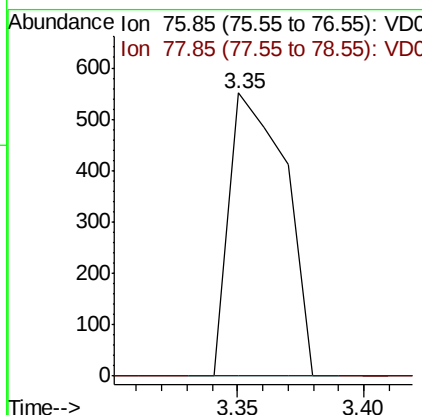
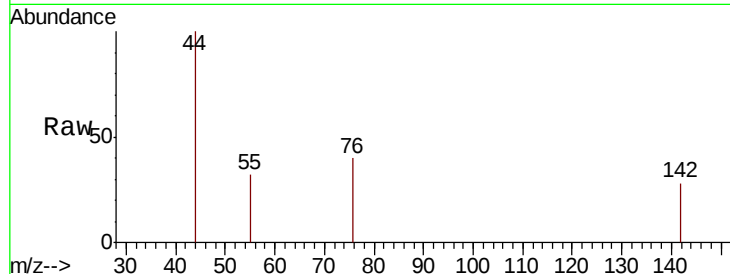




#17
Carbon Disulfide
Concen: 1.651 ug/l
RT: 3.35 min Scan# 195
Delta R.T. -0.01 min
Lab File: VD063236.D
Acq: 30 Jul 2019 12:43

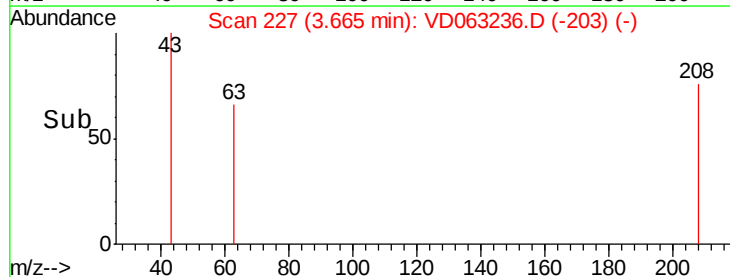
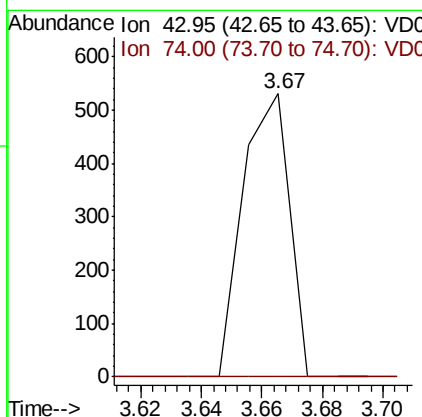
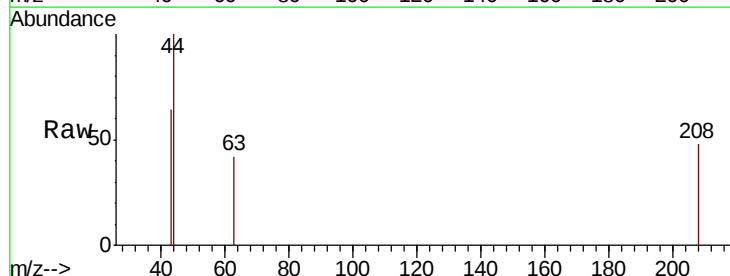
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-258-260

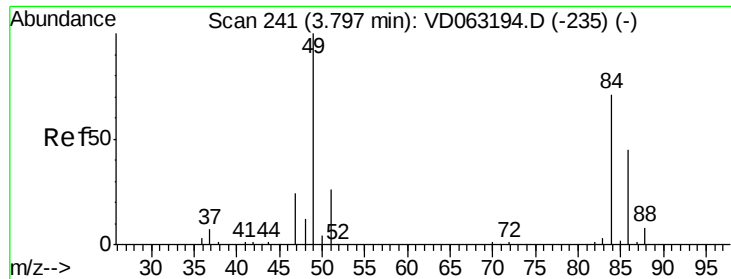
Tot Ion: 76 Resp: 854
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#18
Methyl Acetate
Concen: 6.903 ug/l
RT: 3.67 min Scan# 227
Delta R.T. 0.04 min
Lab File: VD063236.D
Acq: 30 Jul 2019 12:43

Tgt Ion: 43 Resp: 571
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.8#

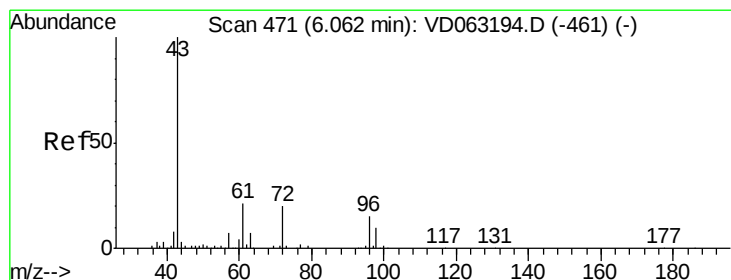
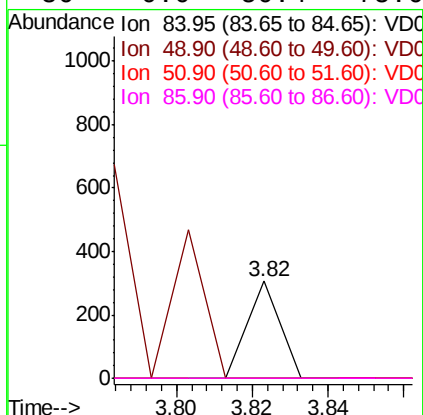
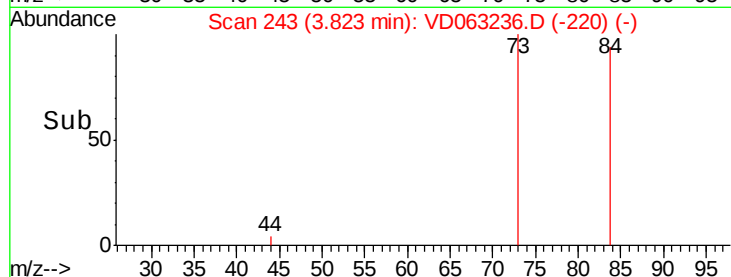
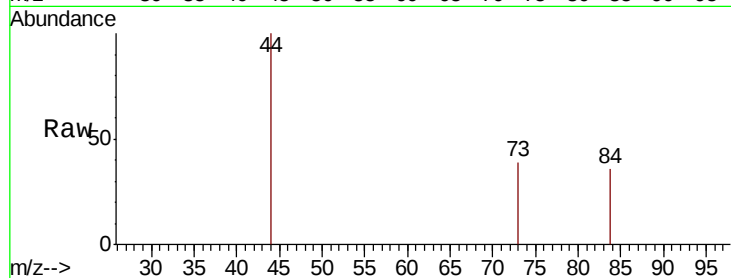




#20
Methvlene Chloride
Concen: 1.040 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.03 min
Lab File: VD063236.D
Acq: 30 Jul 2019 12:43

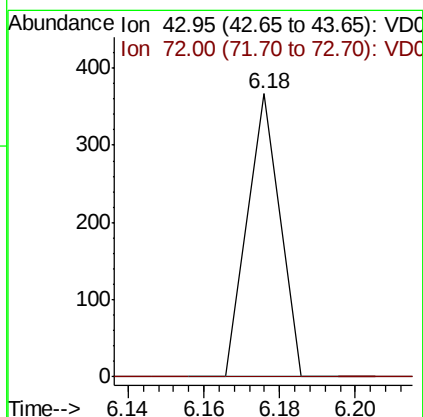
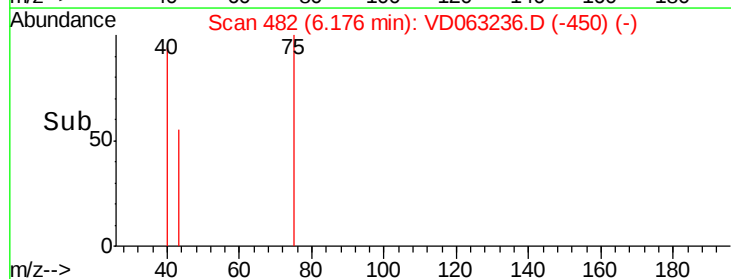
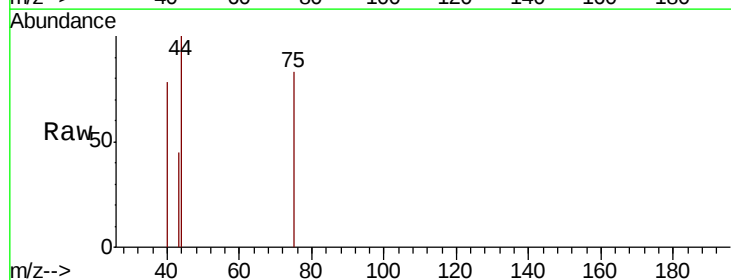
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-258-260

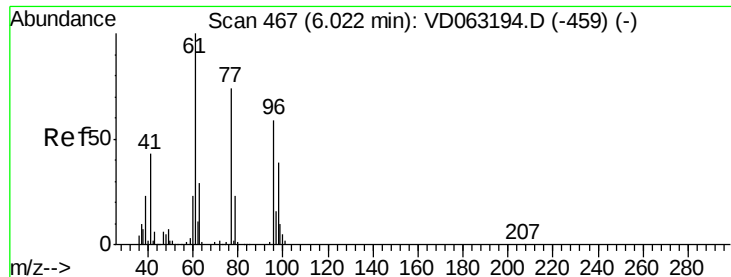
Tot Ion: 84 Resp: 181
Ion Ratio Lower Upper
84 100
49 0.0 112.5 168.7#
51 0.0 29.6 44.4#
86 0.0 50.4 75.6#



#25
2-Butanone
Concen: 5.021 ug/l
RT: 6.18 min Scan# 482
Delta R.T. 0.11 min
Lab File: VD063236.D
Acq: 30 Jul 2019 12:43

Tgt Ion: 43 Resp: 217
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#



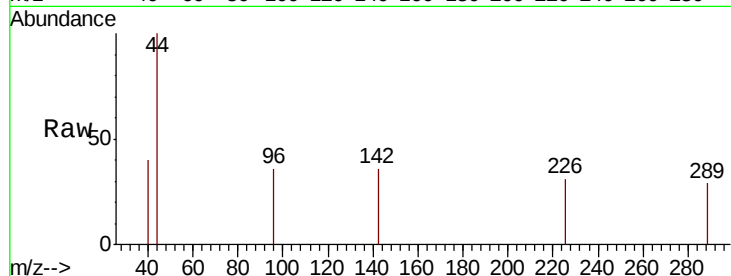


#27

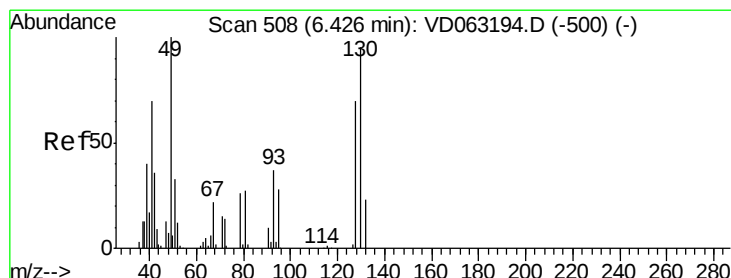
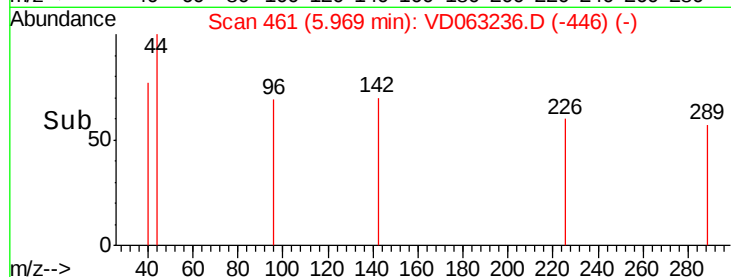
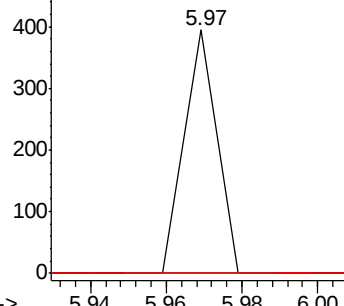
cis-1,2-Dichloroethene
 Concen: 1.254 ug/l
 RT: 5.97 min Scan# 461
 Delta R.T. -0.05 min
 Lab File: VD063236.D
 Acq: 30 Jul 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB203-GW-258-260

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	337.2
98	0.0	0.0	130.6



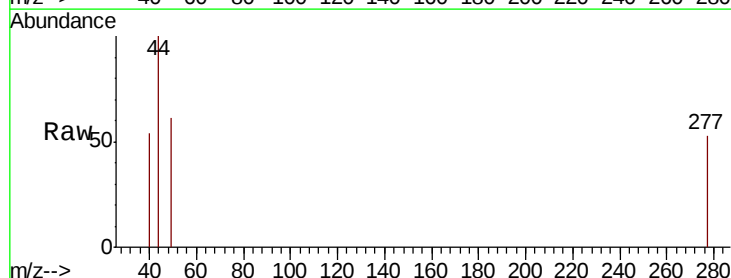
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



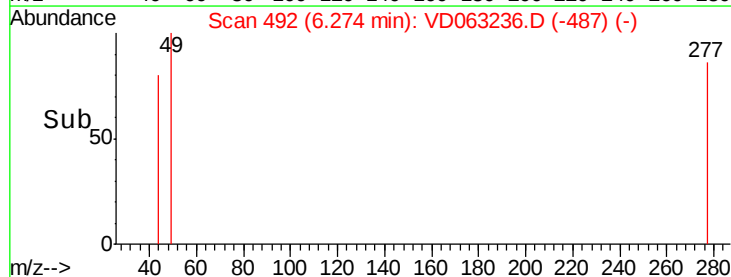
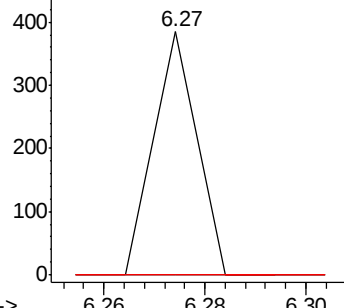
#28

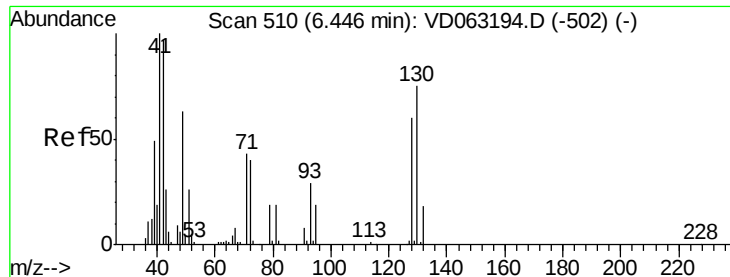
Bromochloromethane
 Concen: 1.814 ug/l
 RT: 6.27 min Scan# 492
 Delta R.T. -0.15 min
 Lab File: VD063236.D
 Acq: 30 Jul 2019 12:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	0.0	75.7	113.5#



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 8.797 ug/l

RT: 6.31 min Scan# 496

Delta R.T. -0.13 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-258-260

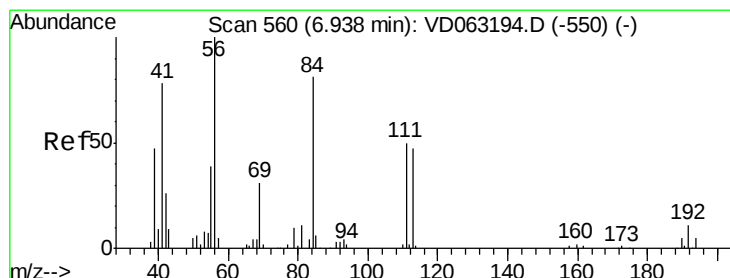
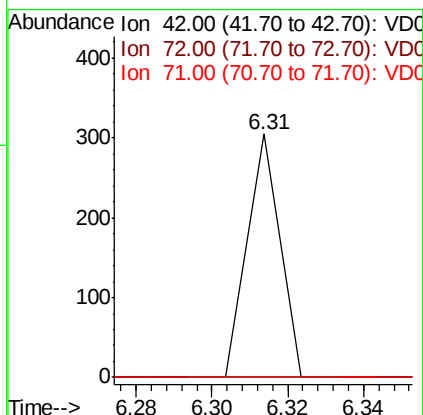
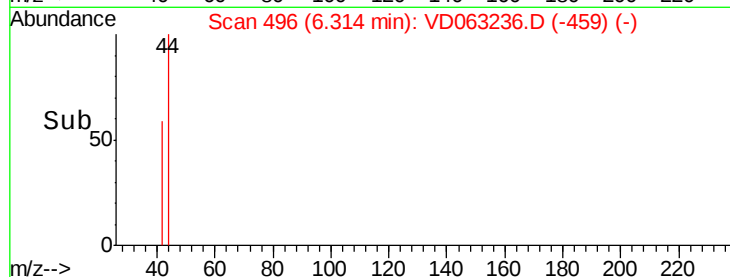
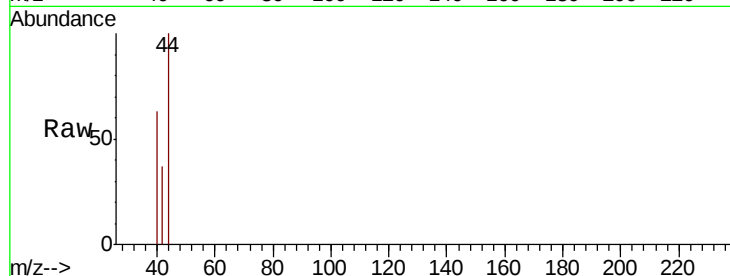
Tot Ion: 42 Resp: 180

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.2#

71 0.0 35.7 53.5#



#31

Cyclohexane

Concen: 1.635 ug/l

RT: 7.01 min Scan# 567

Delta R.T. 0.07 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

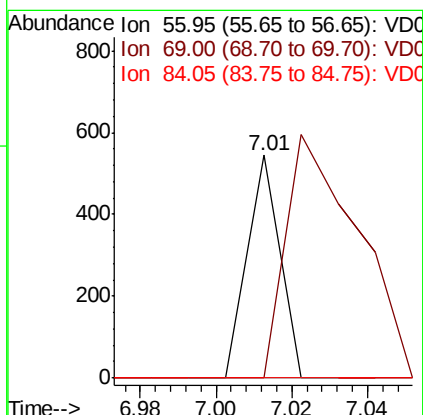
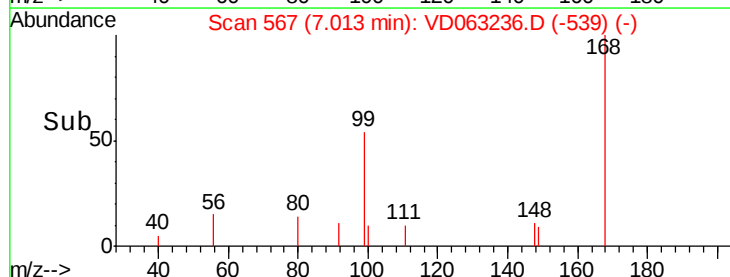
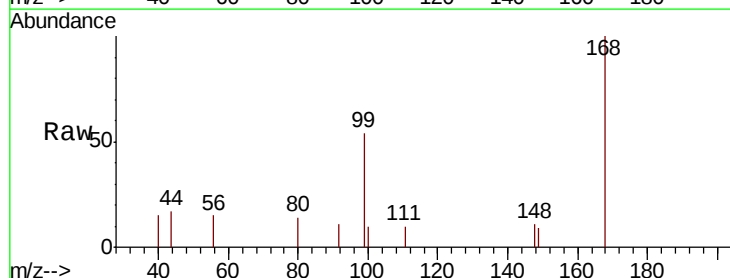
Tgt Ion: 56 Resp: 322

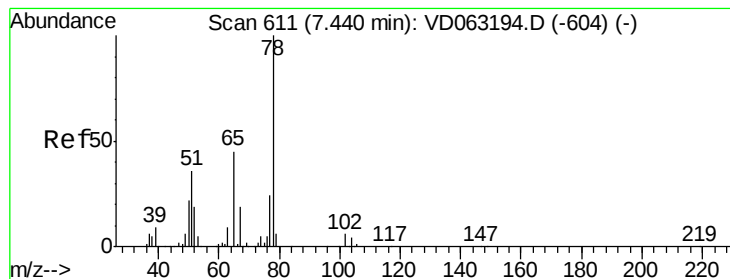
Ion Ratio Lower Upper

56 100

69 0.0 24.5 36.7#

84 0.0 64.9 97.3#





#33

1,2-Dichloroethane-d4

Concen: 65.217 ug/l

RT: 7.44 min Scan# 610

Delta R.T. -0.00 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

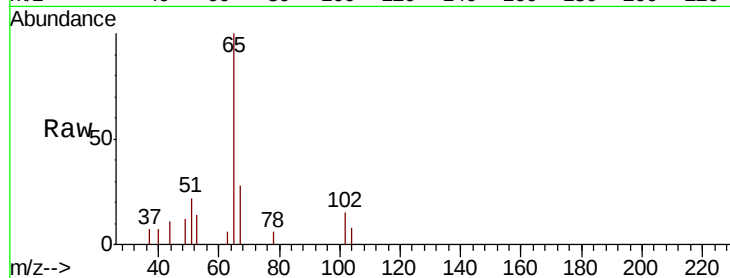
BP-VPB203-GW-258-260

Tot Ion: 65 Resp: 14415

Ion Ratio Lower Upper

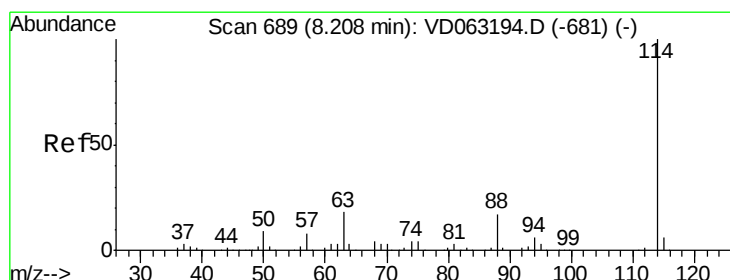
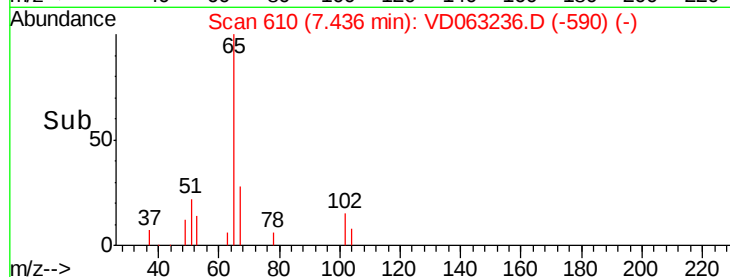
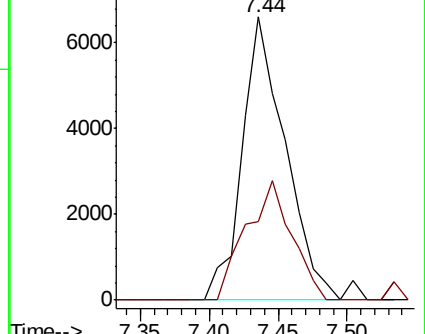
65 100

67 27.7 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

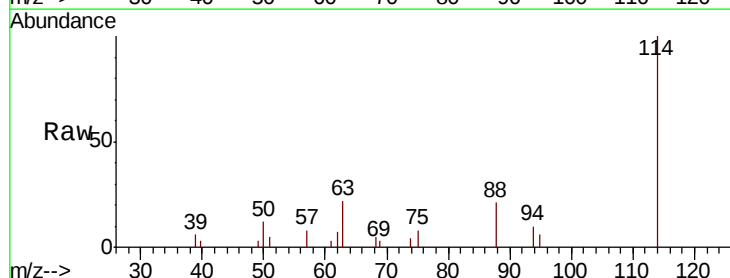
Tgt Ion: 114 Resp: 29723

Ion Ratio Lower Upper

114 100

63 22.1 0.0 35.2

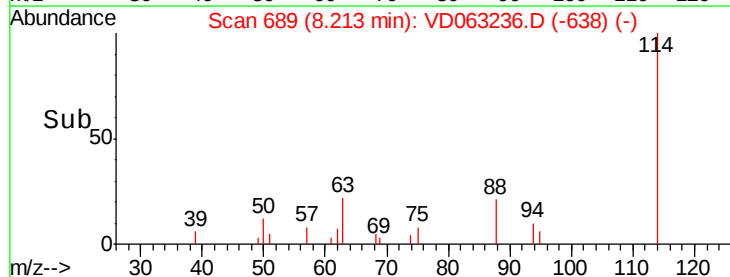
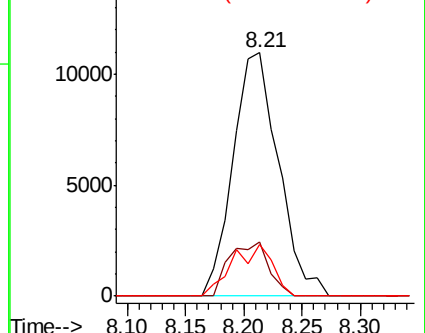
88 21.4 0.0 34.6

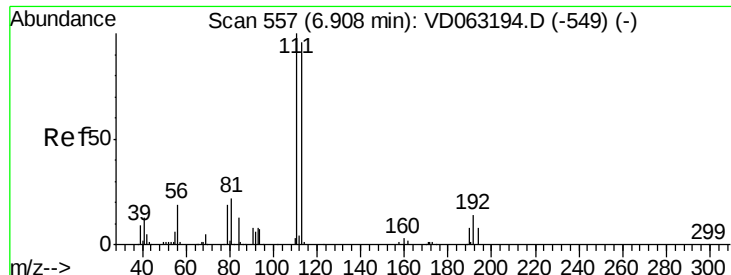


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 37.396 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-258-260

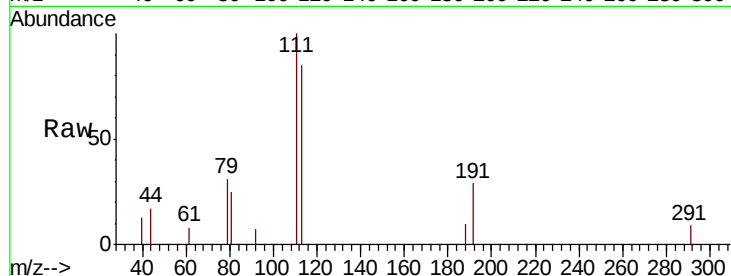
Tot Ion:113 Resp: 9490

Ion Ratio Lower Upper

113 100

111 117.2 83.2 124.8

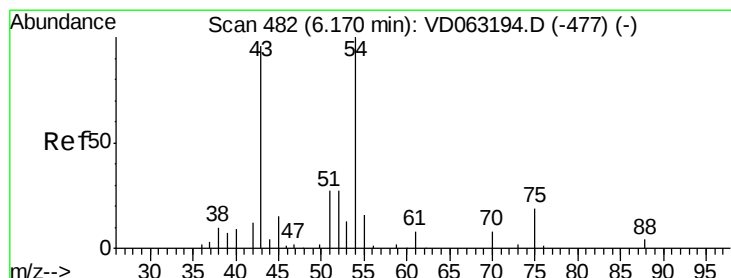
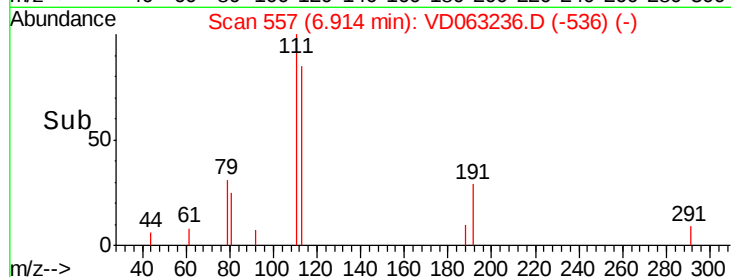
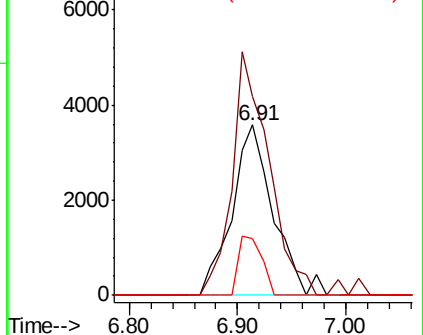
192 33.6 11.8 17.8#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#37

Ethyl Acetate

Concen: 1.781 ug/l

RT: 6.18 min Scan# 482

Delta R.T. 0.01 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

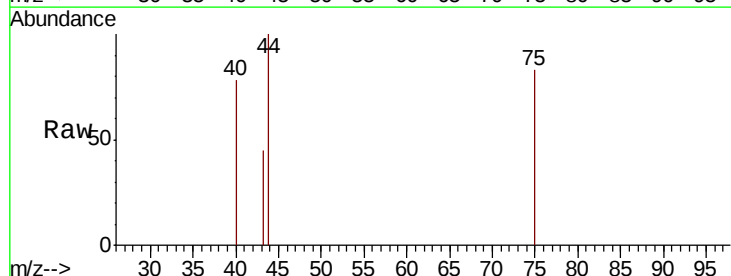
Tgt Ion: 43 Resp: 217

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

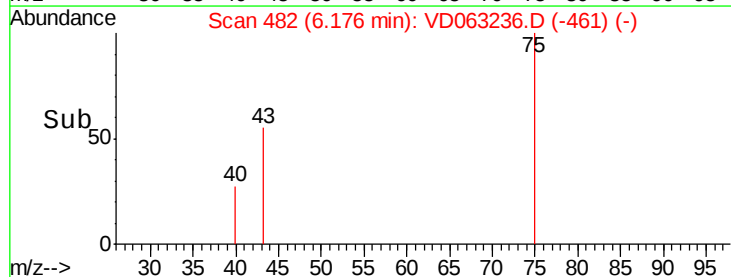
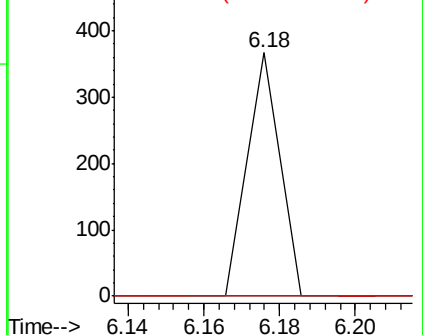
70 0.0 5.1 7.7#

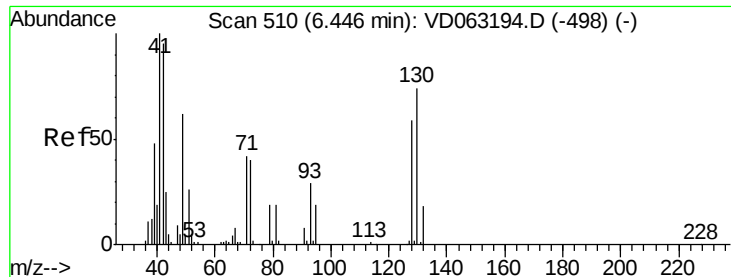


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

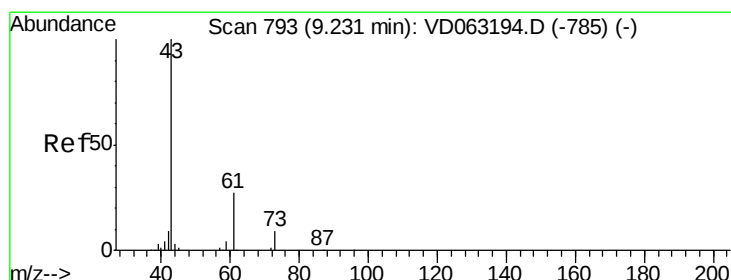
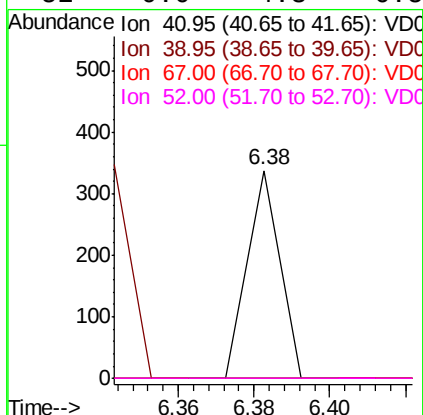
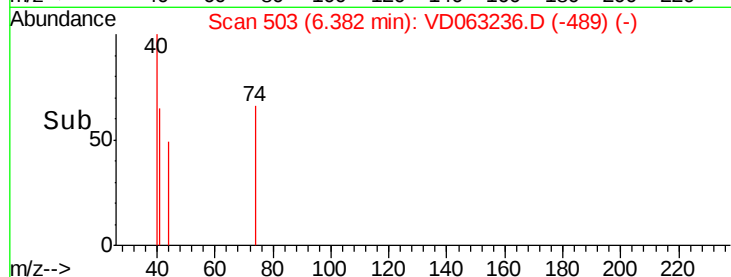
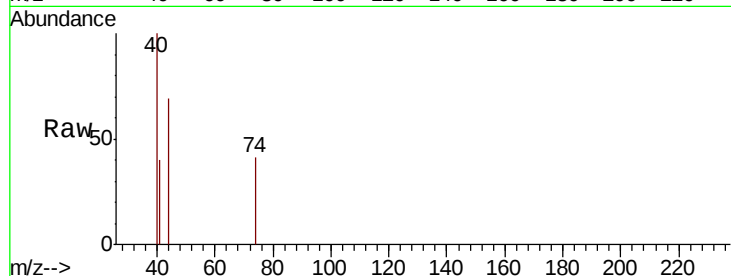




#41
Methacrylonitrile
Concen: 1.365 ug/l
RT: 6.38 min Scan# 503
Delta R.T. -0.06 min
Lab File: VD063236.D
Acq: 30 Jul 2019 12:43

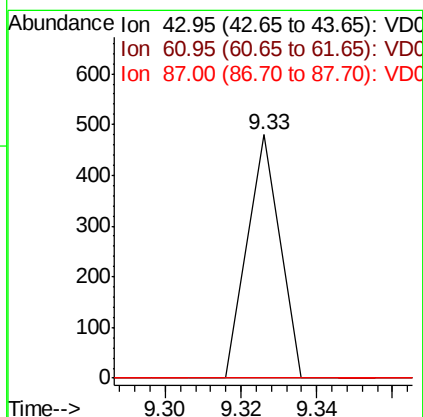
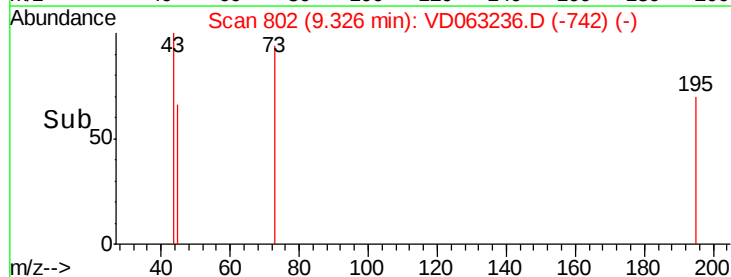
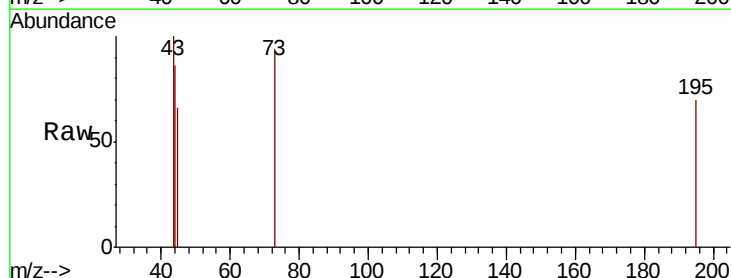
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-258-260

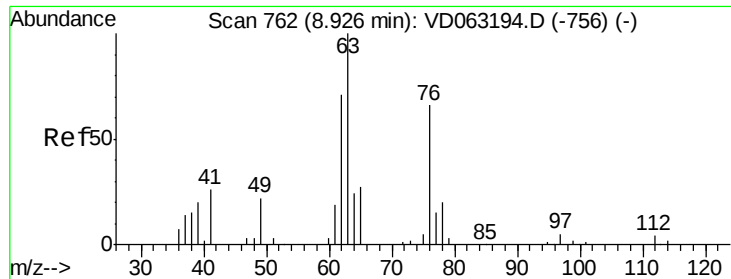
Tot Ion: 41 Resp: 199
Ion Ratio Lower Upper
41 100
39 0.0 38.4 57.6#
67 0.0 6.7 10.1#
52 0.0 4.3 6.5#



#43
Isopropyl Acetate
Concen: 1.824 ug/l
RT: 9.33 min Scan# 802
Delta R.T. 0.09 min
Lab File: VD063236.D
Acq: 30 Jul 2019 12:43

Tgt Ion: 43 Resp: 284
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.0#
87 0.0 0.2 0.4#





#45

1,2-Dichloropropane

Concen: 1.266 ug/l

RT: 9.00 min Scan# 769

Delta R.T. 0.07 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

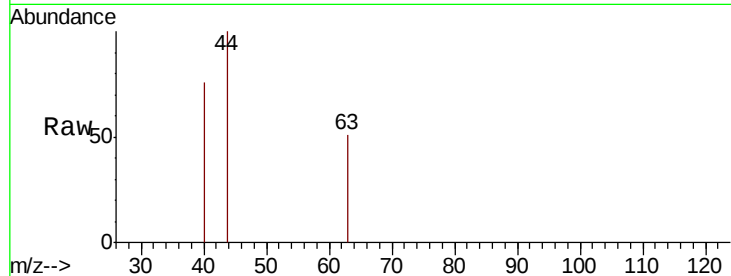
BP-VPB203-GW-258-260

Tot Ion: 63 Resp: 183

Ion Ratio Lower Upper

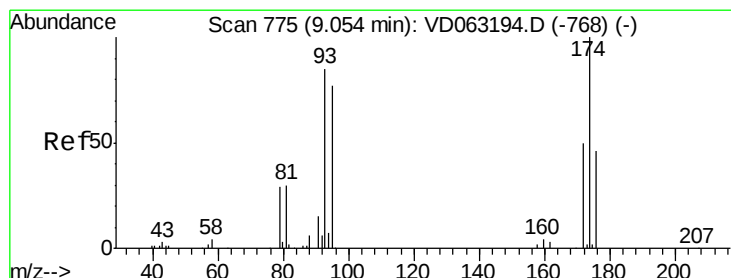
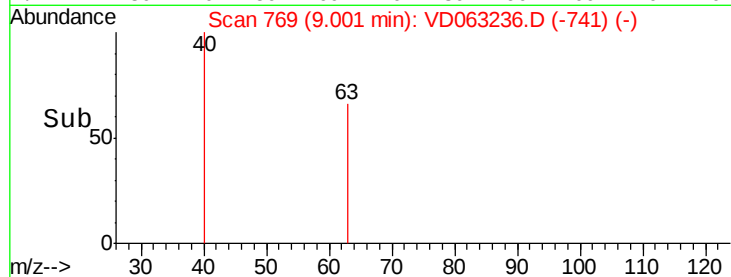
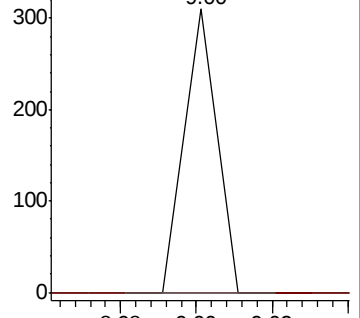
63 100

65 0.0 23.6 35.4#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 1.806 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

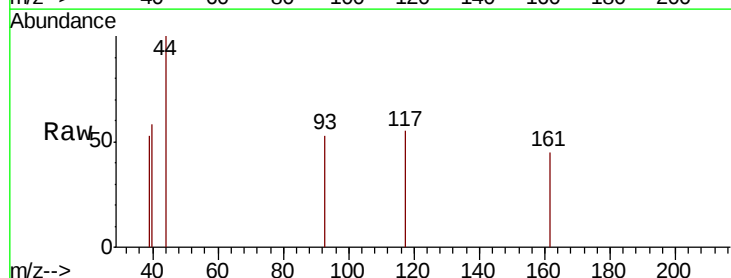
Tgt Ion: 93 Resp: 217

Ion Ratio Lower Upper

93 100

95 0.0 72.8 109.2#

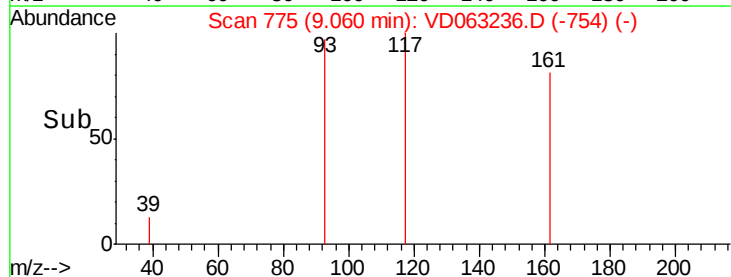
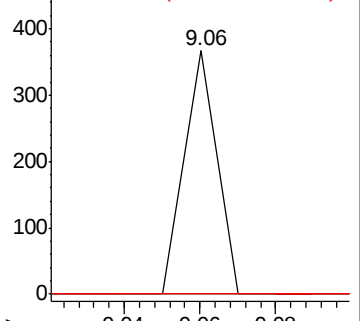
174 0.0 94.4 141.6#

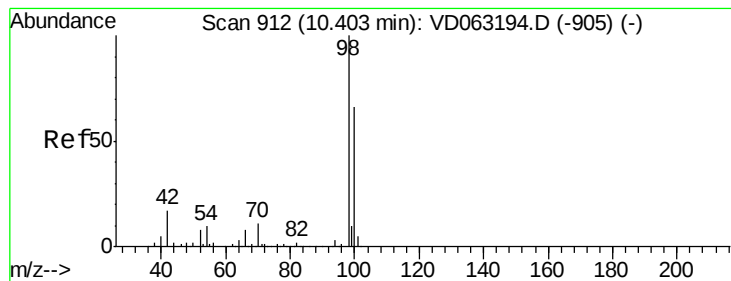


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#50

Toluene-d8

Concen: 37.751 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

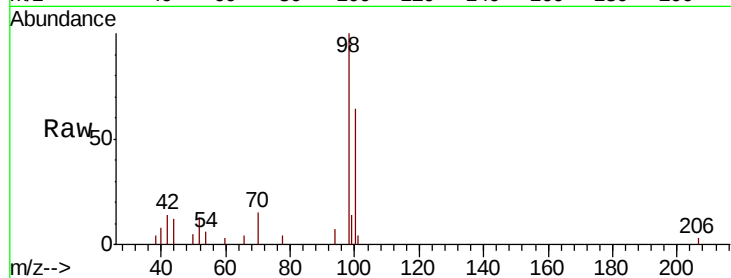
BP-VPB203-GW-258-260

Tot Ion: 98 Resp: 21440

Ion Ratio Lower Upper

98 100

100 64.2 53.2 79.8

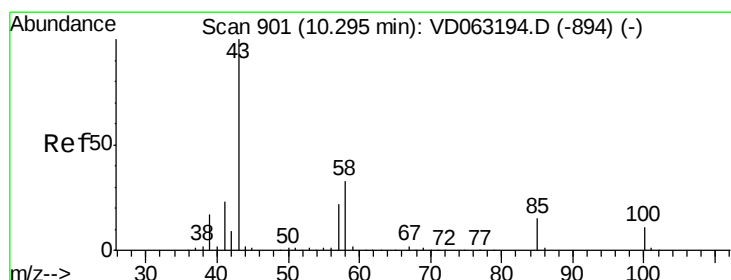
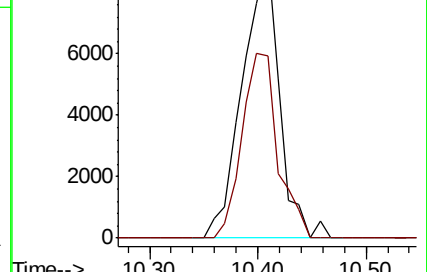
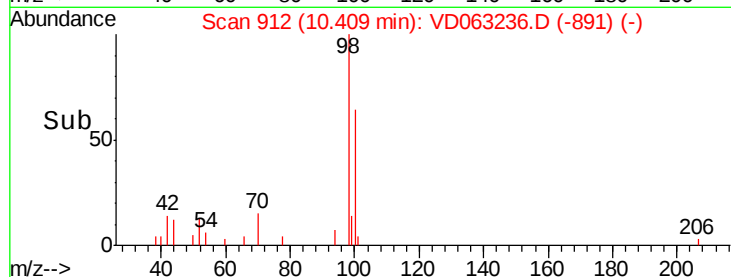


Abundance Ion 98.05 (97.75 to 98.75): VD063194.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD063194.D (-905) (-)

10.41

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.635 ug/l

RT: 10.26 min Scan# 897

Delta R.T. -0.03 min

Lab File: VD063236.D

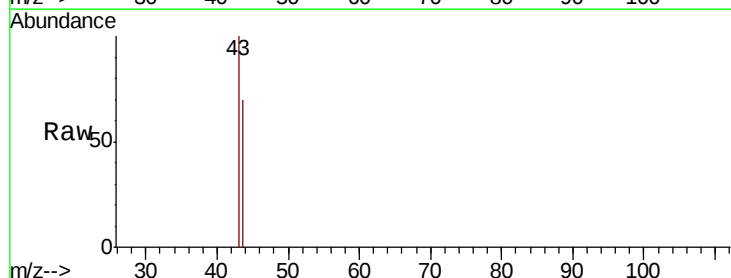
Acq: 30 Jul 2019 12:43

Tgt Ion: 43 Resp: 279

Ion Ratio Lower Upper

43 100

58 0.0 26.2 39.2#

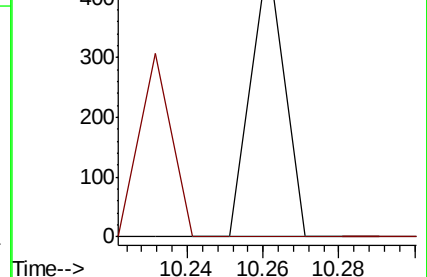
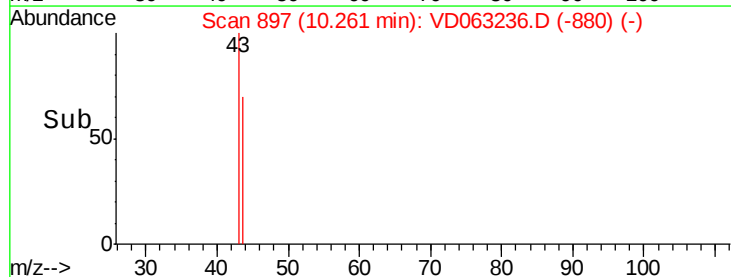


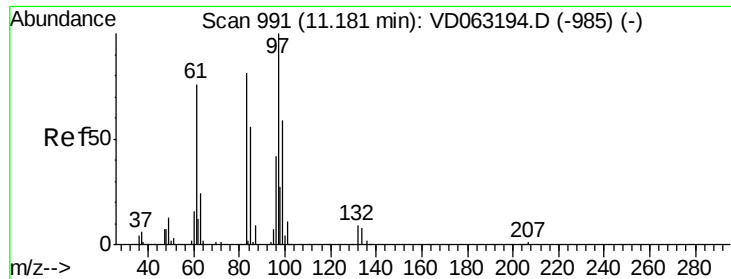
Abundance Ion 42.95 (42.65 to 43.65): VD063194.D (-894) (-)

Ion 57.95 (57.65 to 58.65): VD063194.D (-894) (-)

10.26

Time-->





#55

1,1,2-Trichloroethane

Concen: 1.410 ug/l

RT: 11.20 min Scan# 992

Delta R.T. 0.02 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-258-260

Tot Ion: 97 Resp: 180

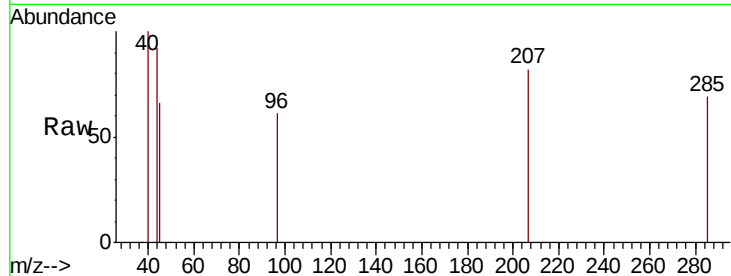
Ion Ratio Lower Upper

97 100

83 0.0 64.8 97.2#

85 0.0 44.9 67.3#

99 0.0 47.2 70.8#

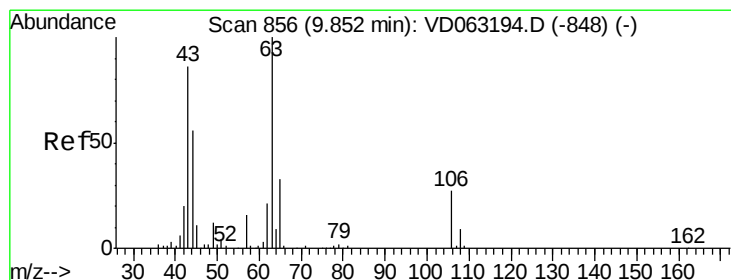
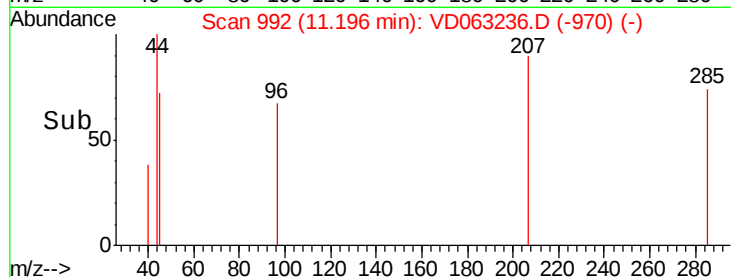
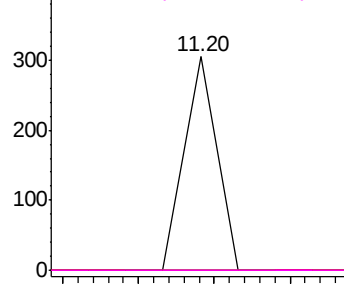


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 3.147 ug/l

RT: 9.84 min Scan# 854

Delta R.T. -0.01 min

Lab File: VD063236.D

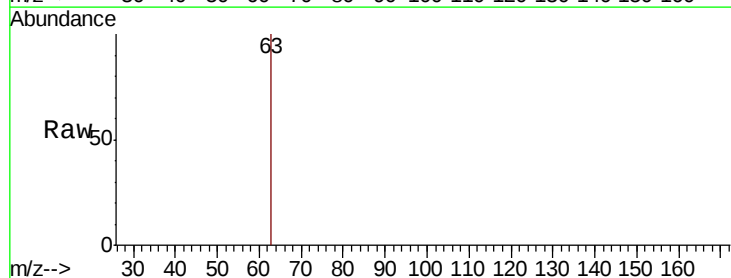
Acq: 30 Jul 2019 12:43

Tgt Ion: 63 Resp: 229

Ion Ratio Lower Upper

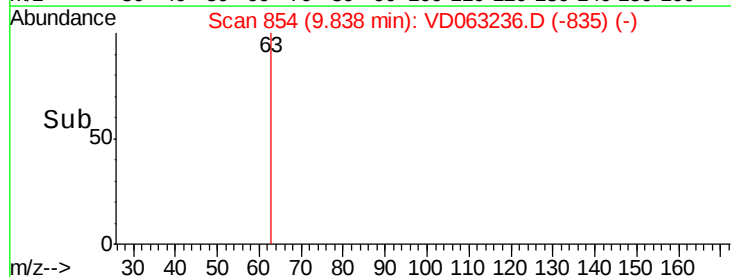
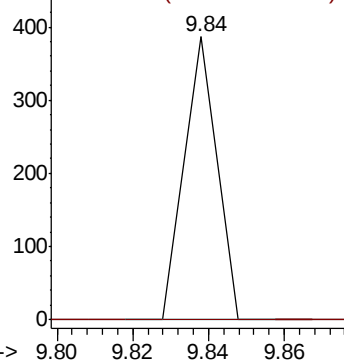
63 100

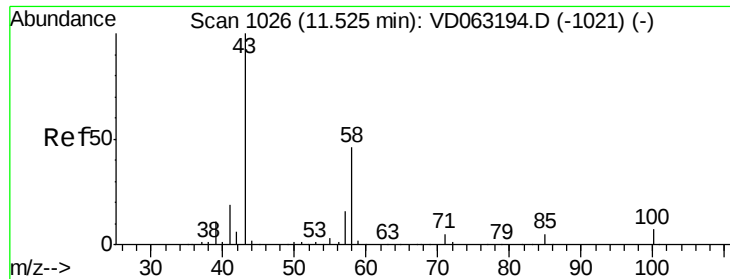
106 0.0 22.0 33.0#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

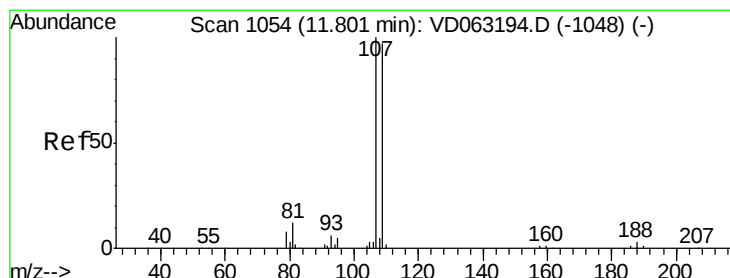
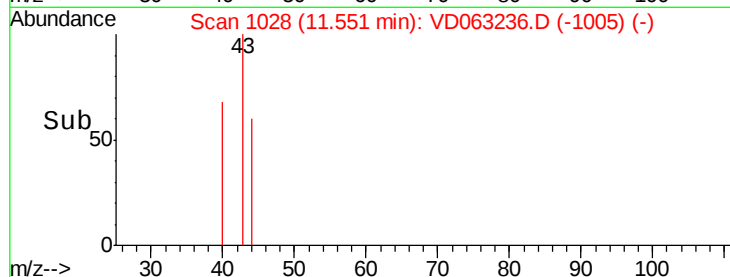
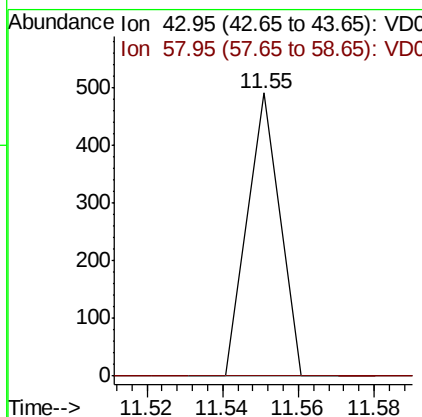
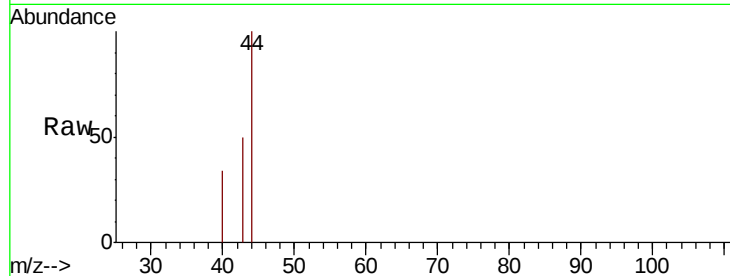




#59
2-Hexanone
Concen: 3.801 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.03 min
Lab File: VD063236.D
Acq: 30 Jul 2019 12:43

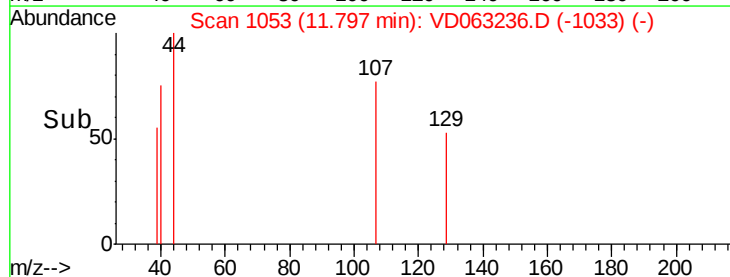
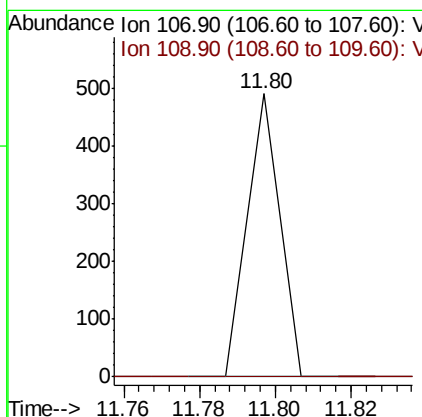
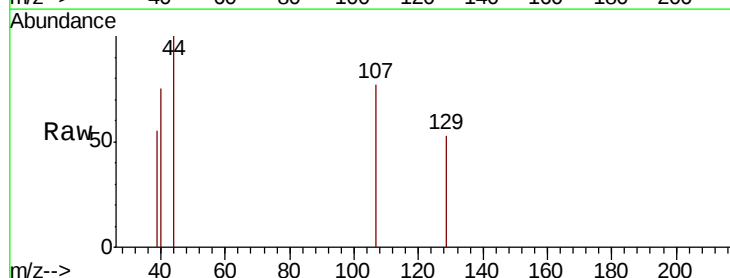
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-258-260

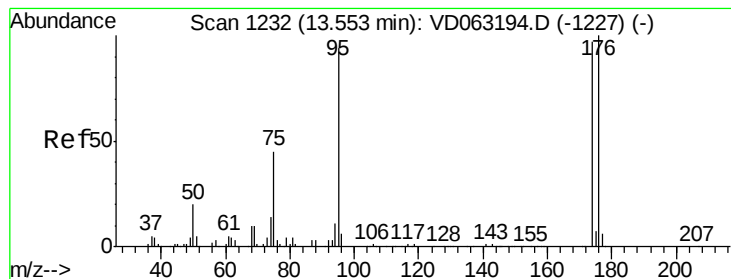
Tot Ion: 43 Resp: 290
Ion Ratio Lower Upper
43 100
58 0.0 22.9 68.5#



#61
1,2-Dibromoethane
Concen: 1.840 ug/l
RT: 11.80 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD063236.D
Acq: 30 Jul 2019 12:43

Tgt Ion: 107 Resp: 290
Ion Ratio Lower Upper
107 100
109 0.0 77.5 116.3#





#62

4-Bromofluorobenzene

Concen: 35.841 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-258-260

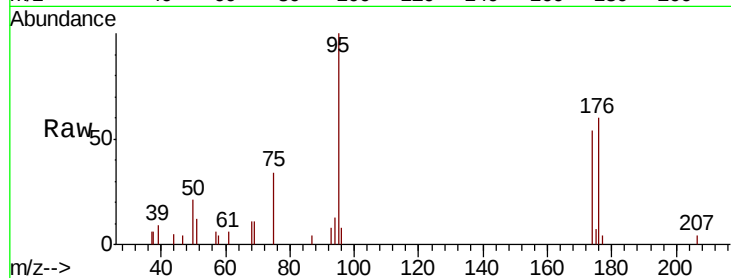
Tot Ion: 95 Resp: 9276

Ion Ratio Lower Upper

95 100

174 53.8 0.0 205.4

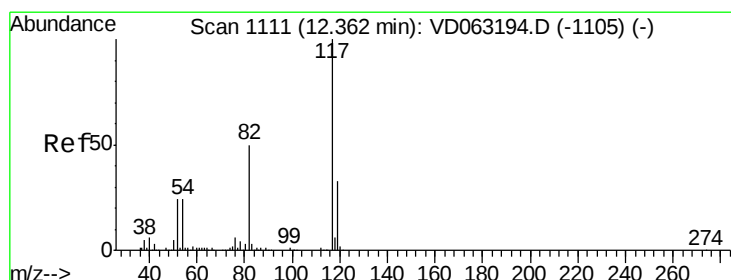
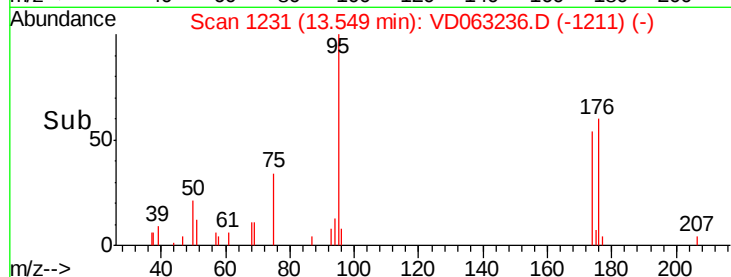
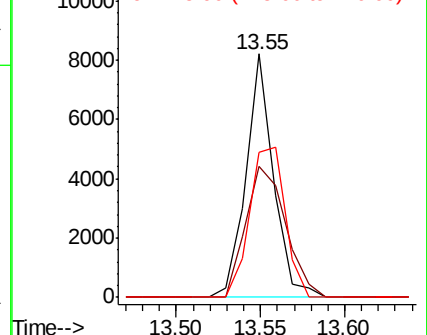
176 59.6 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

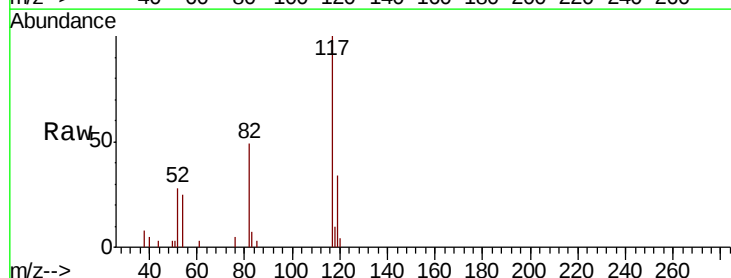
Tgt Ion: 117 Resp: 20639

Ion Ratio Lower Upper

117 100

82 48.7 40.1 60.1

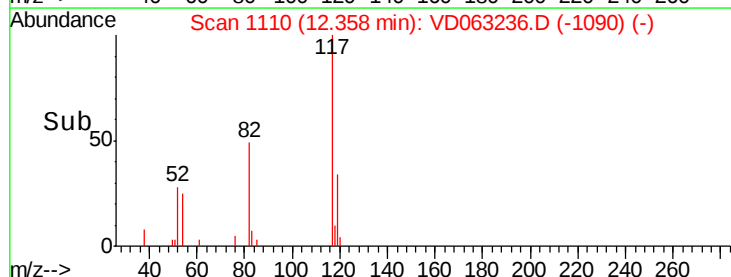
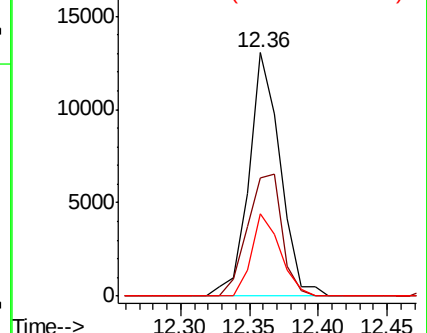
119 33.6 26.5 39.7

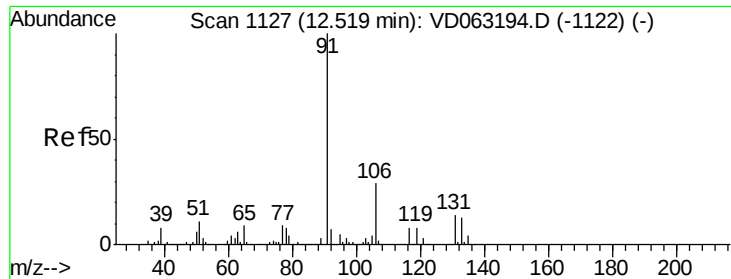


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

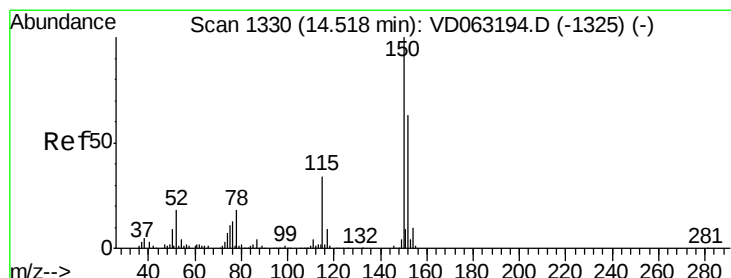
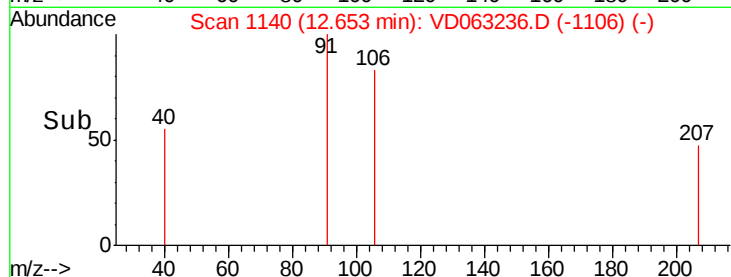
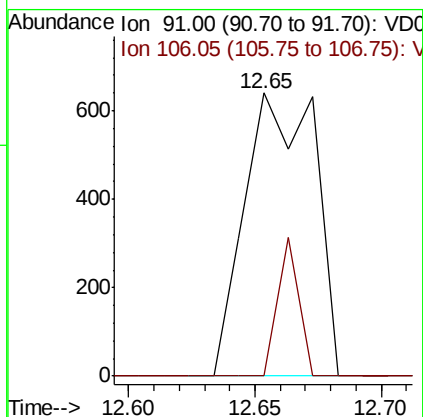
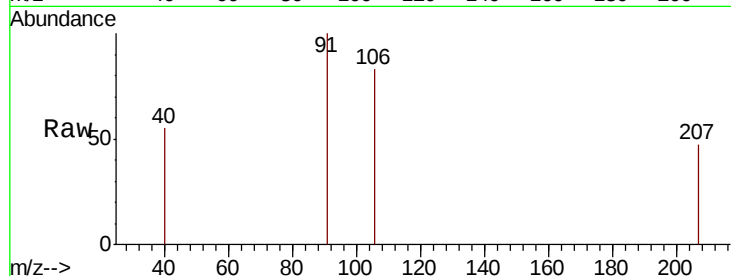




#67
Ethyl Benzene
Concen: 1.837 ug/l
RT: 12.65 min Scan# 1140
Delta R.T. 0.13 min
Lab File: VD063236.D
Acq: 30 Jul 2019 12:43

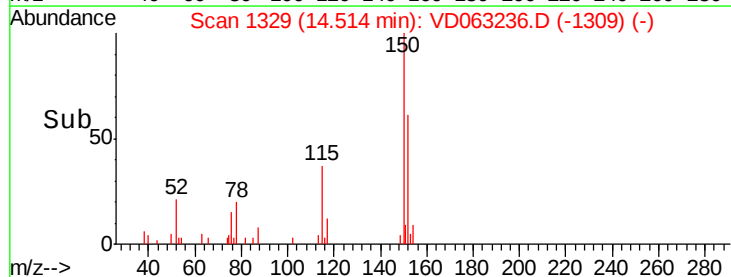
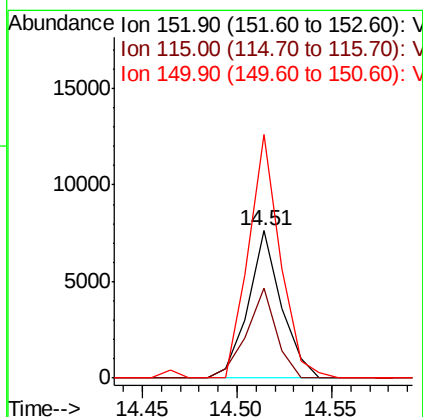
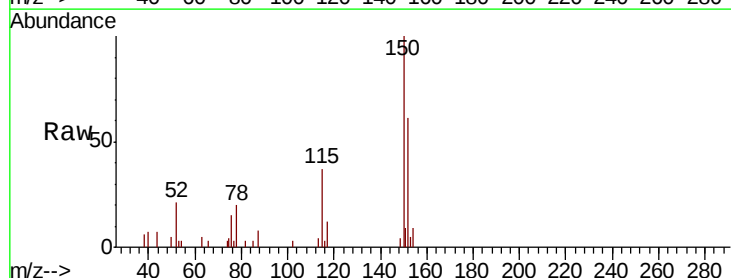
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-258-260

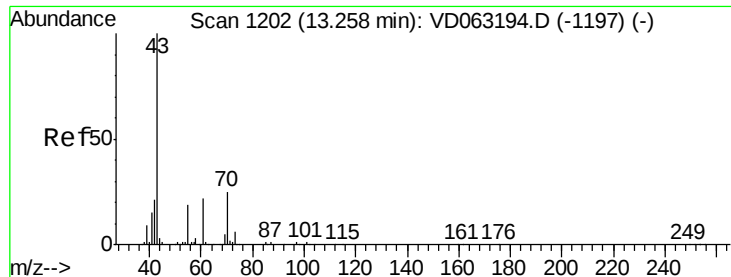
Tot Ion: 91 Resp: 1239
Ion Ratio Lower Upper
91 100
106 0.0 22.9 34.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD063236.D
Acq: 30 Jul 2019 12:43

Tgt Ion: 152 Resp: 9321
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.4
150 165.1 0.0 320.6





#74

N-amvl acetate

Concen: 1.429 ug/l

RT: 13.20 min Scan# 1196

Delta R.T. -0.05 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-258-260

Tot Ion: 43 Resp: 221

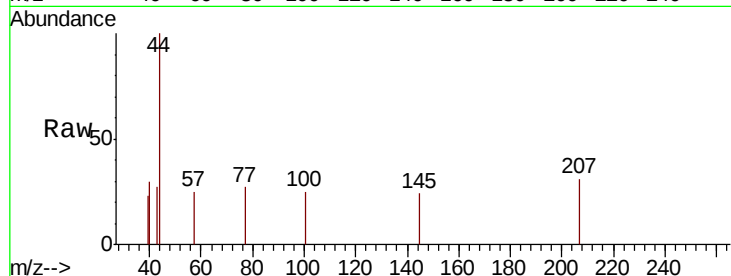
Ion Ratio Lower Upper

43 100

70 0.0 20.2 30.4#

55 0.0 14.9 22.3#

61 0.0 17.9 26.9#

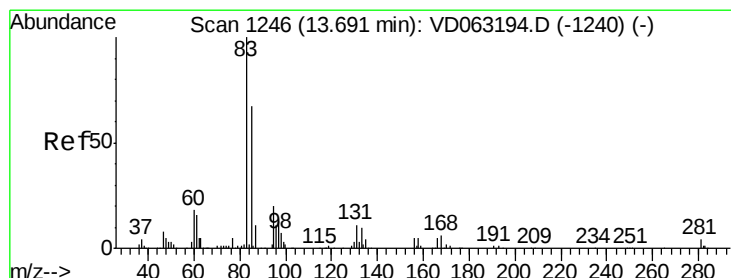
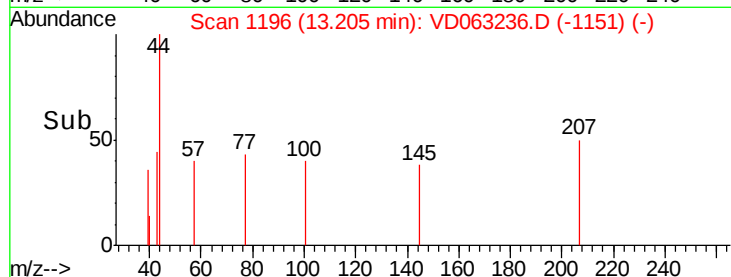
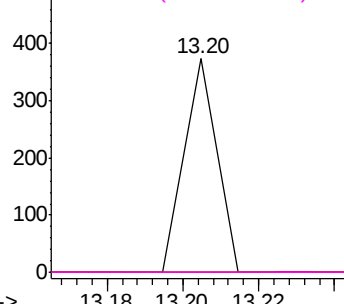


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 1.811 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.05 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

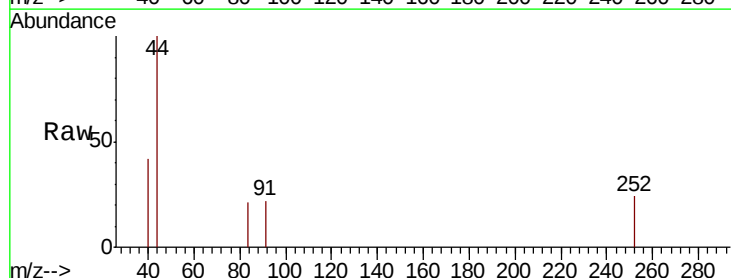
Tgt Ion: 83 Resp: 180

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

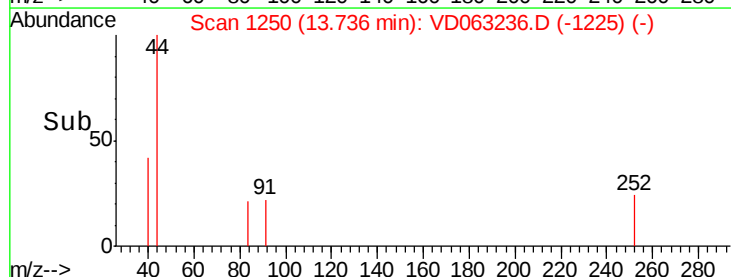
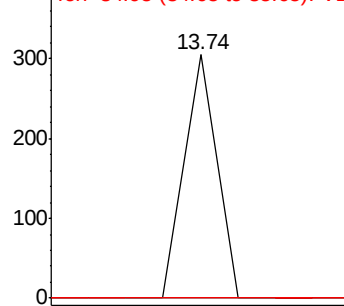
85 0.0 33.7 101.1#

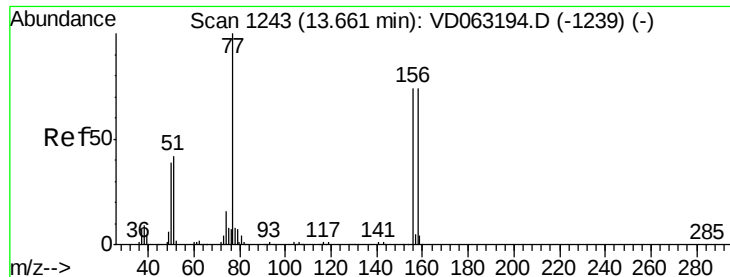


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#77

Bromobenzene

Concen: 2.628 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-258-260

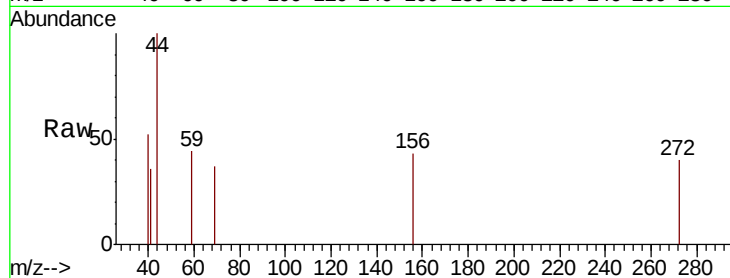
Tot Ion:156 Resp: 438

Ion Ratio Lower Upper

156 100

77 0.0 67.6 202.8#

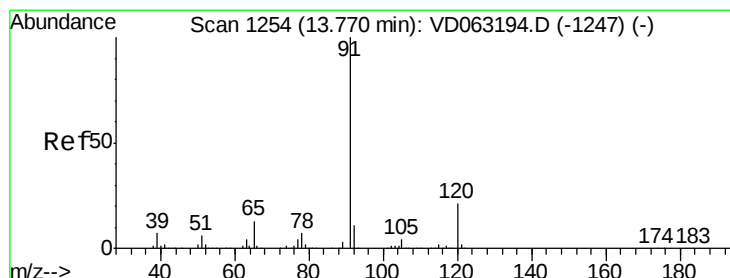
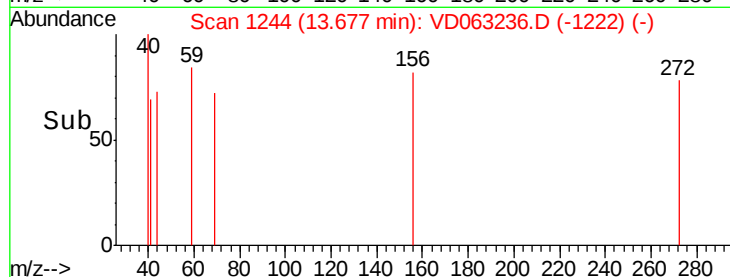
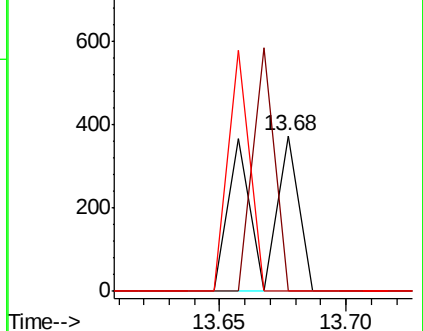
158 0.0 49.8 149.4#



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 1.049 ug/l

RT: 13.77 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD063236.D

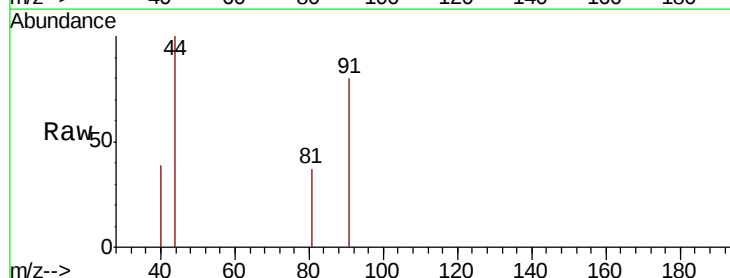
Acq: 30 Jul 2019 12:43

Tgt Ion: 91 Resp: 730

Ion Ratio Lower Upper

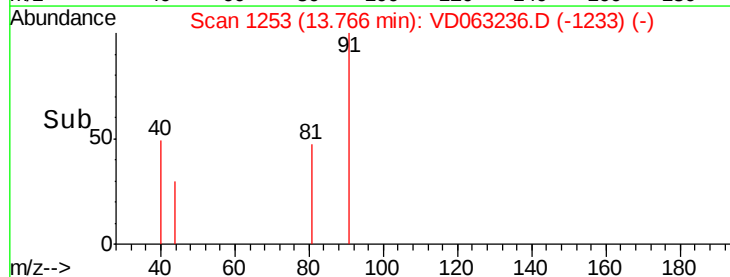
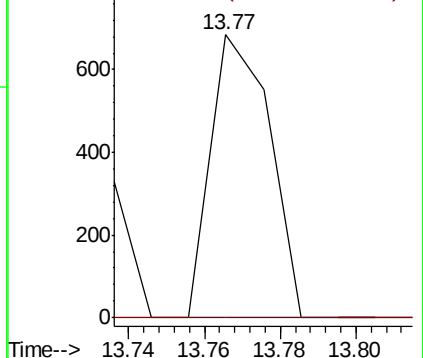
91 100

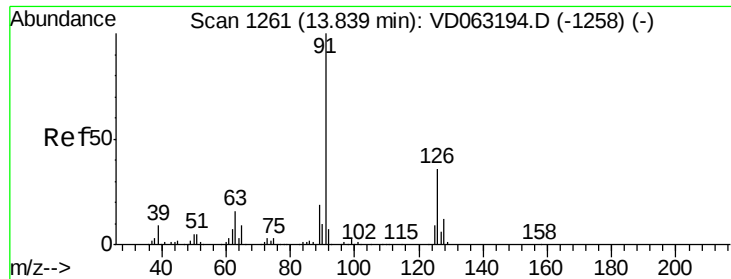
120 0.0 10.7 32.1#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 1.673 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

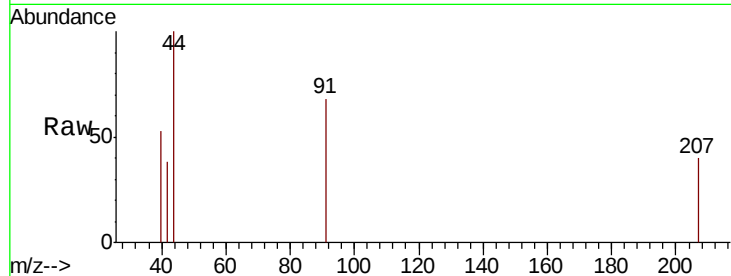
BP-VPB203-GW-258-260

Tot Ion: 91 Resp: 675

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): VDC

13.83

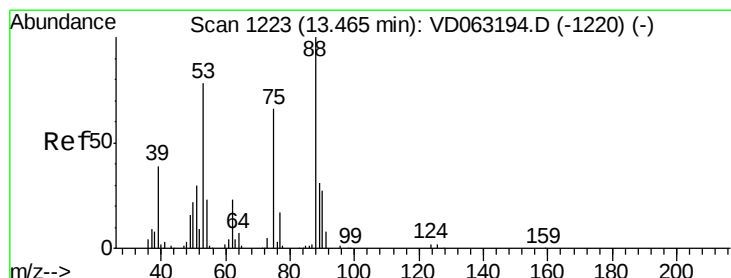
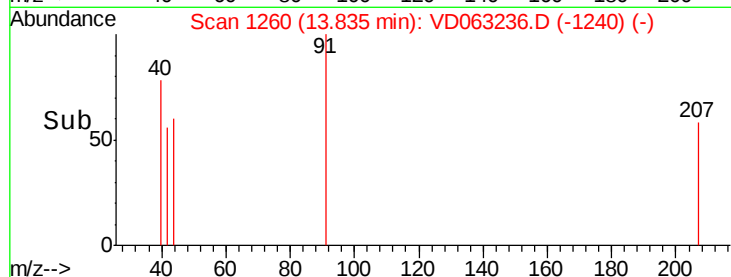
600

400

200

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 132.815 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

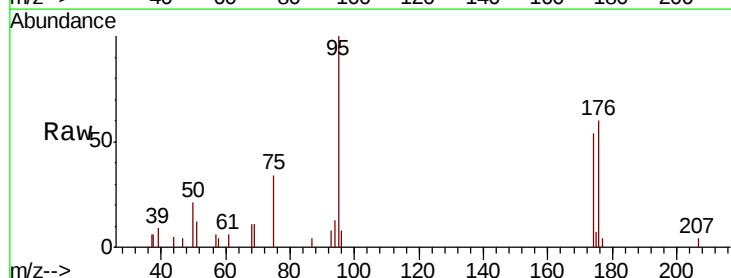
Tgt Ion: 75 Resp: 4129

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

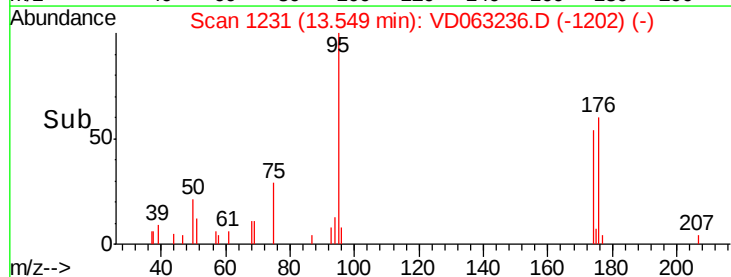
3000

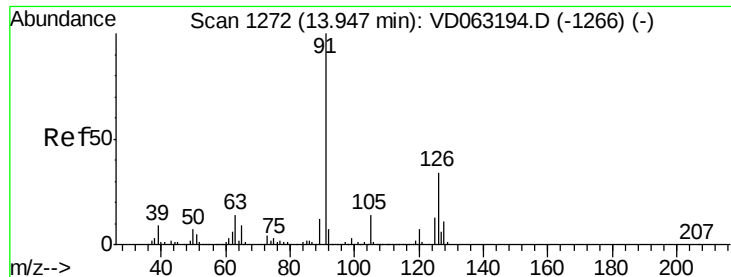
2000

1000

0

Time-->





#82

4-Chlorotoluene

Concen: 2.947 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

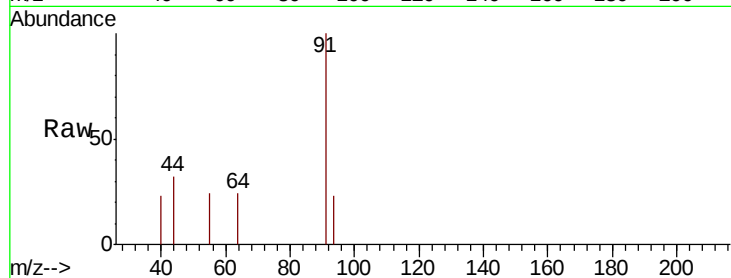
BP-VPB203-GW-258-260

Tot Ion: 91 Resp: 1399

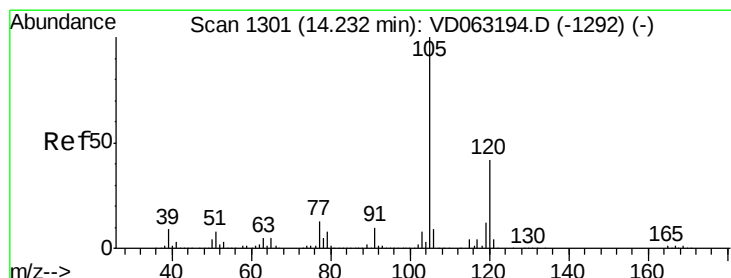
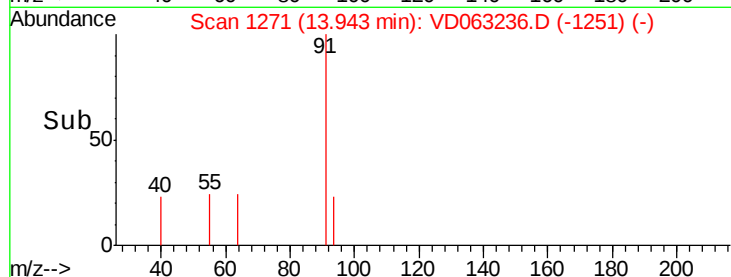
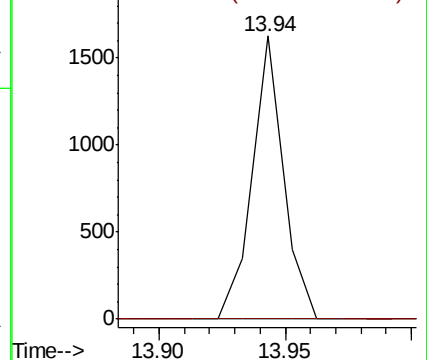
Ion Ratio Lower Upper

91 100

126 0.0 17.1 51.2#



Abundance Ion 91.00 (90.70 to 91.70): VD063194.D (-1266) (-)



#84

1,2,4-Trimethylbenzene

Concen: 2.997 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VD063236.D

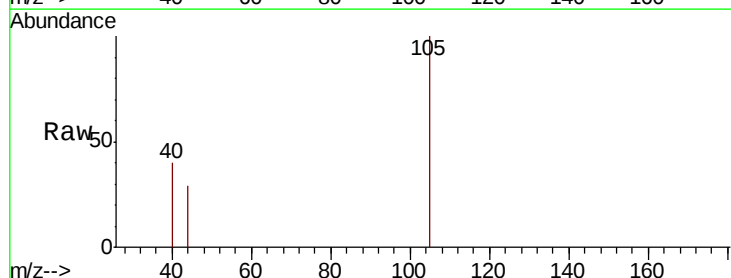
Acq: 30 Jul 2019 12:43

Tgt Ion: 105 Resp: 1564

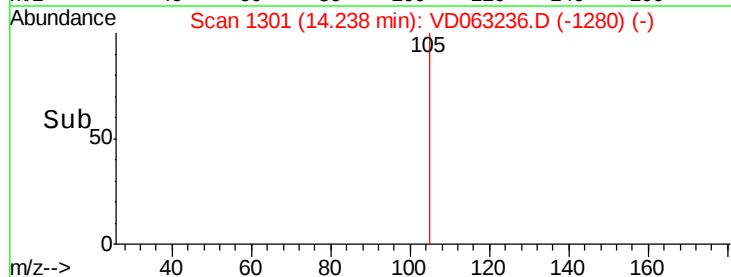
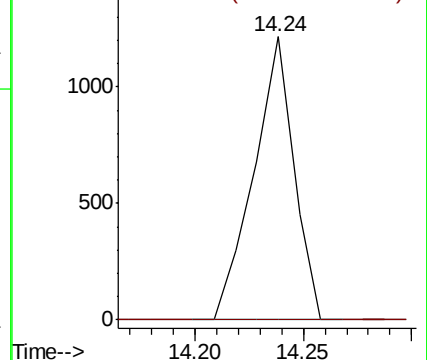
Ion Ratio Lower Upper

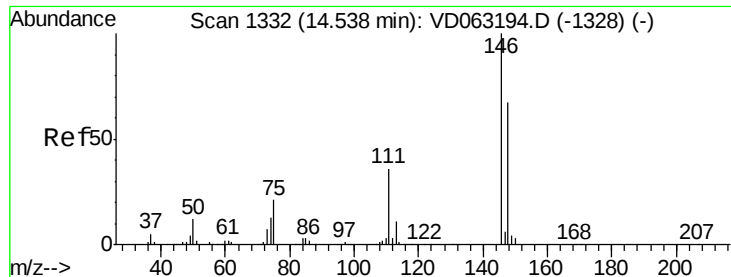
105 100

120 0.0 20.9 62.7#



Abundance Ion 105.05 (104.75 to 105.75): VD063194.D (-1292) (-)





#88

1,4-Dichlorobenzene

Concen: 1.712 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD063236.D

Acq: 30 Jul 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-258-260

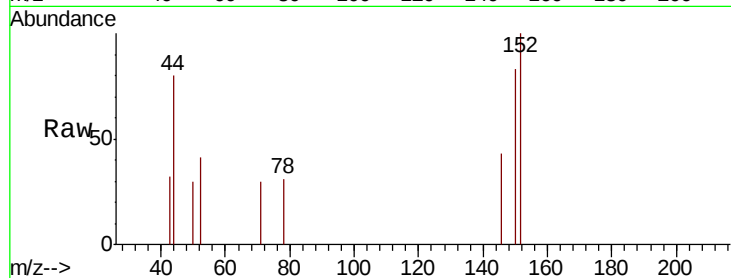
Tot Ion:146 Resp: 511

Ion Ratio Lower Upper

146 100

111 0.0 18.1 54.3#

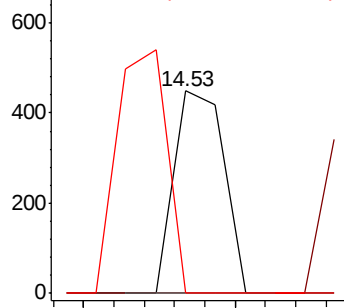
148 0.0 33.4 100.1#



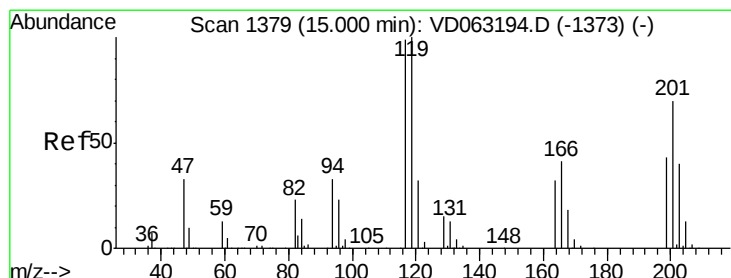
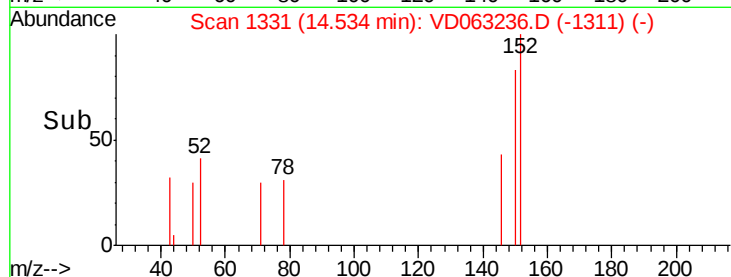
Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#90

Hexachloroethane

Concen: 1.246 ug/l

RT: 14.91 min Scan# 1369

Delta R.T. -0.09 min

Lab File: VD063236.D

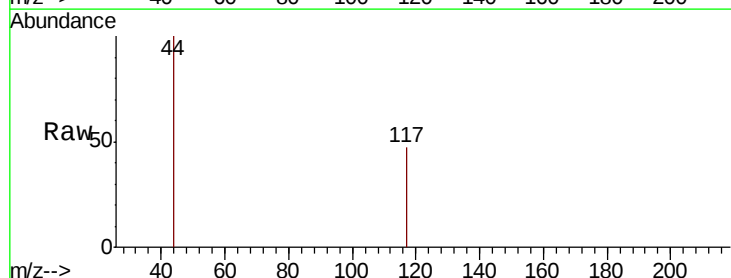
Acq: 30 Jul 2019 12:43

Tgt Ion:117 Resp: 188

Ion Ratio Lower Upper

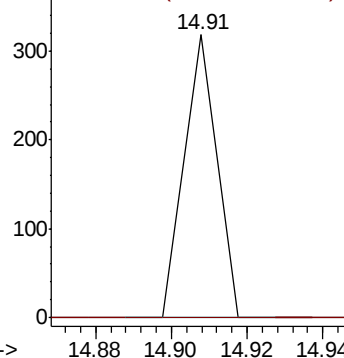
117 100

201 0.0 35.2 105.6#

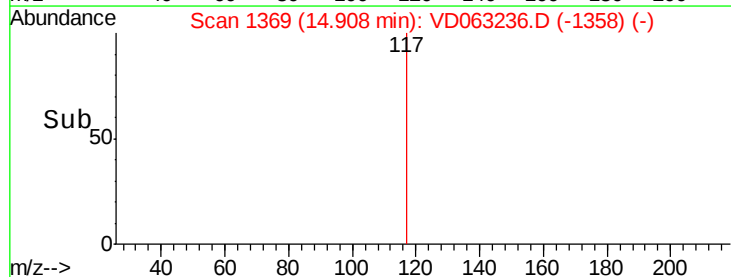


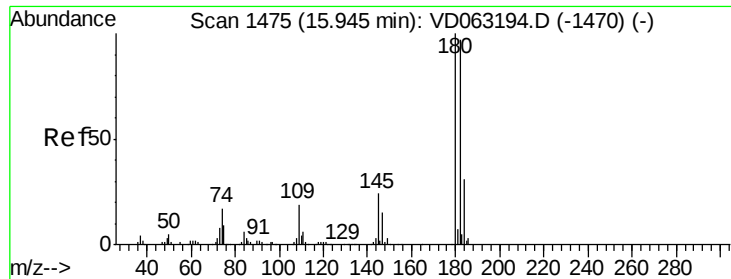
Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



Time-->

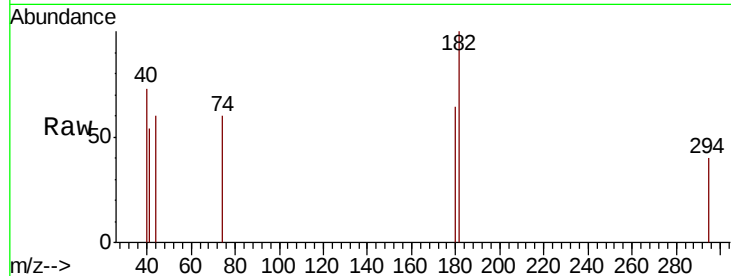




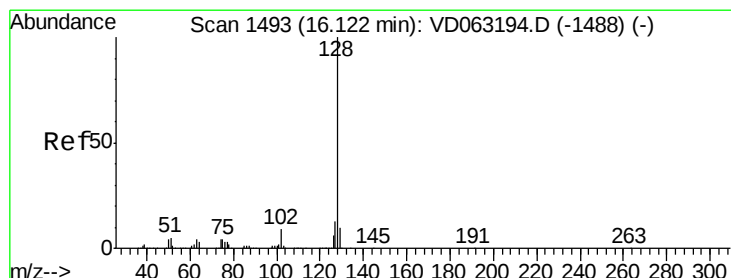
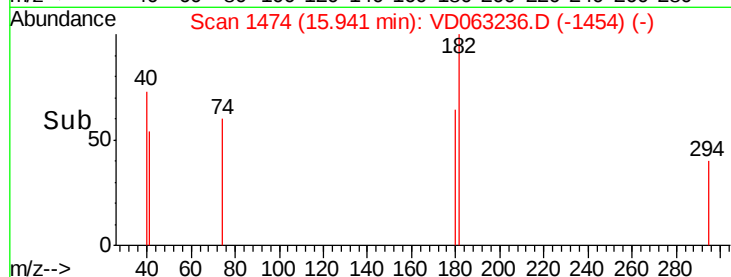
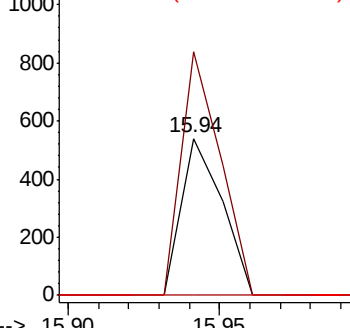
#93
 1,2,4-Trichlorobenzene
 Concen: 2.495 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD063236.D
 Acq: 30 Jul 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB203-GW-258-260

Tot Ion:180 Resp: 509
 Ion Ratio Lower Upper
 180 100
 182 155.5 48.6 145.8#
 145 0.0 12.2 36.6#

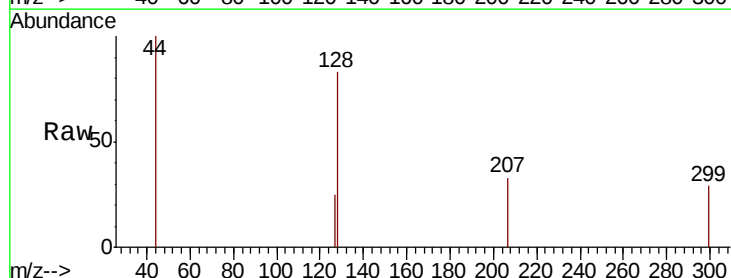


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

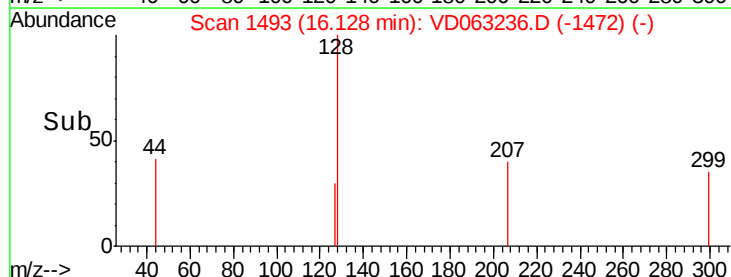
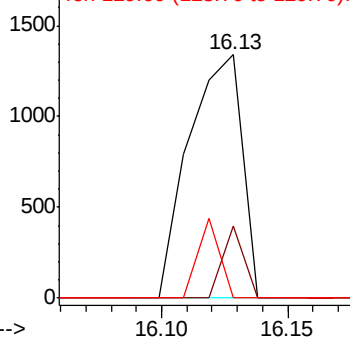


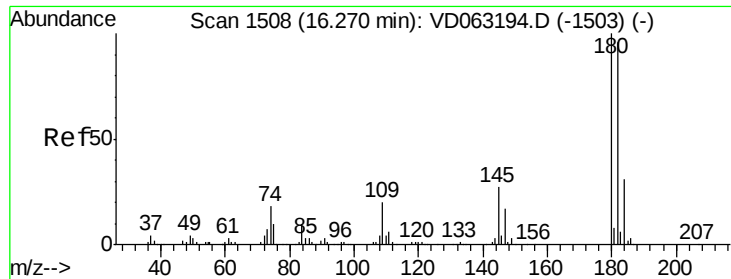
#95
 Naphthalene
 Concen: 6.840 ug/l
 RT: 16.13 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: VD063236.D
 Acq: 30 Jul 2019 12:43

Tgt Ion:128 Resp: 1972
 Ion Ratio Lower Upper
 128 100
 127 29.7 10.2 15.4#
 129 0.0 7.8 11.8#



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





#96
 1,2,3-Trichlorobenzene
 Concen: 4.120 ug/l
 RT: 16.27 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VD063236.D
 Acq: 30 Jul 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB203-GW-258-260

Tot Ion:180 Resp: 664
 Ion Ratio Lower Upper
 180 100
 182 76.2 48.3 144.9
 145 0.0 13.6 40.7#

