

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063237.D
 Acq On : 30 Jul 2019 13:10
 Operator : VA/AP
 Sample : K4043-14
 Misc : 4.99g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB203-GW-298-300

Quant Time: Jul 31 04:54:29 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	16267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	23134	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	19679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	8740	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	9552	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
35) Dibromofluoromethane	6.92	113	9634	48.78	ug/l	0.01
Spiked Amount			Recovery	=	97.56%	
50) Toluene-d8	10.39	98	16047	36.30	ug/l	0.00
Spiked Amount			Recovery	=	72.60%	
62) 4-Bromofluorobenzene	13.55	95	6660	33.06	ug/l	0.00
Spiked Amount			Recovery	=	66.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.75	50	1223	7.916	ug/l #	46
4) Vinyl Chloride	1.84	62	178	1.113	ug/l #	45
5) Bromomethane	2.19	94	4207	52.157	ug/l #	49
6) Chloroethane	2.23	64	199	2.695	ug/l #	47
8) Diethyl Ether	2.82	74	210	4.836	ug/l	78
10) Methyl Iodide	3.34	142	1781	7.173	ug/l #	27
12) 1,1-Dichloroethene	3.07	96	216	1.712	ug/l #	1
13) Acrolein	3.03	56	260	34.106	ug/l #	15
16) Acetone	3.22	43	5039	143.283	ug/l #	65
18) Methyl Acetate	3.61	43	444	6.573	ug/l #	60
20) Methylene Chloride	3.95	84	181	1.273	ug/l #	2
21) trans-1,2-Dichloroethene	4.13	96	185	1.307	ug/l #	1
23) Vinyl Acetate	5.04	43	488	1.977	ug/l #	82
25) 2-Butanone	6.05	43	183	5.185	ug/l #	56
27) cis-1,2-Dichloroethene	6.03	96	214	1.410	ug/l	3
28) Bromochloromethane	6.54	49	193	1.888	ug/l #	2
29) Tetrahydrofuran	6.58	42	242	14.482	ug/l #	33
36) 1,1-Dichloropropene	7.04	75	1709	8.095	ug/l #	44
37) Ethyl Acetate	6.27	43	188	1.982	ug/l #	70
38) Carbon Tetrachloride	7.05	117	989	3.112	ug/l #	11
39) Methylcyclohexane	8.87	83	183	1.040	ug/l #	13
41) Methacrylonitrile	6.47	41	233	2.054	ug/l #	40
43) Isopropyl Acetate	9.12	43	178	1.469	ug/l #	49
46) Dibromomethane	9.07	93	184	1.968	ug/l #	1
51) 4-Methyl-2-Pentanone	10.25	43	184	2.233	ug/l #	42
57) 1,3-Dichloropropane	11.49	76	252	1.609	ug/l #	45
58) 2-Chloroethyl Vinyl ether	9.76	63	238	4.202	ug/l #	47
59) 2-Hexanone	11.36	43	226	3.806	ug/l #	31
65) Chlorobenzene	12.39	112	545	1.440	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	12.51	131	341	2.045	ug/l #	9
74) N-amyl acetate	13.31	43	213	1.469	ug/l #	53
78) n-propylbenzene	13.76	91	691	1.059	ug/l #	55
81) trans-1,4-Dichloro-2-buten	13.55	75	3067	105.213	ug/l #	3
87) 1,3-Dichlorobenzene	14.45	146	354	1.279	ug/l #	25

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073019\
Data File : VD063237.D
Acq On : 30 Jul 2019 13:10
Operator : VA/AP
Sample : K4043-14
Misc : 4.99g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-298-300

Quant Time: Jul 31 04:54:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

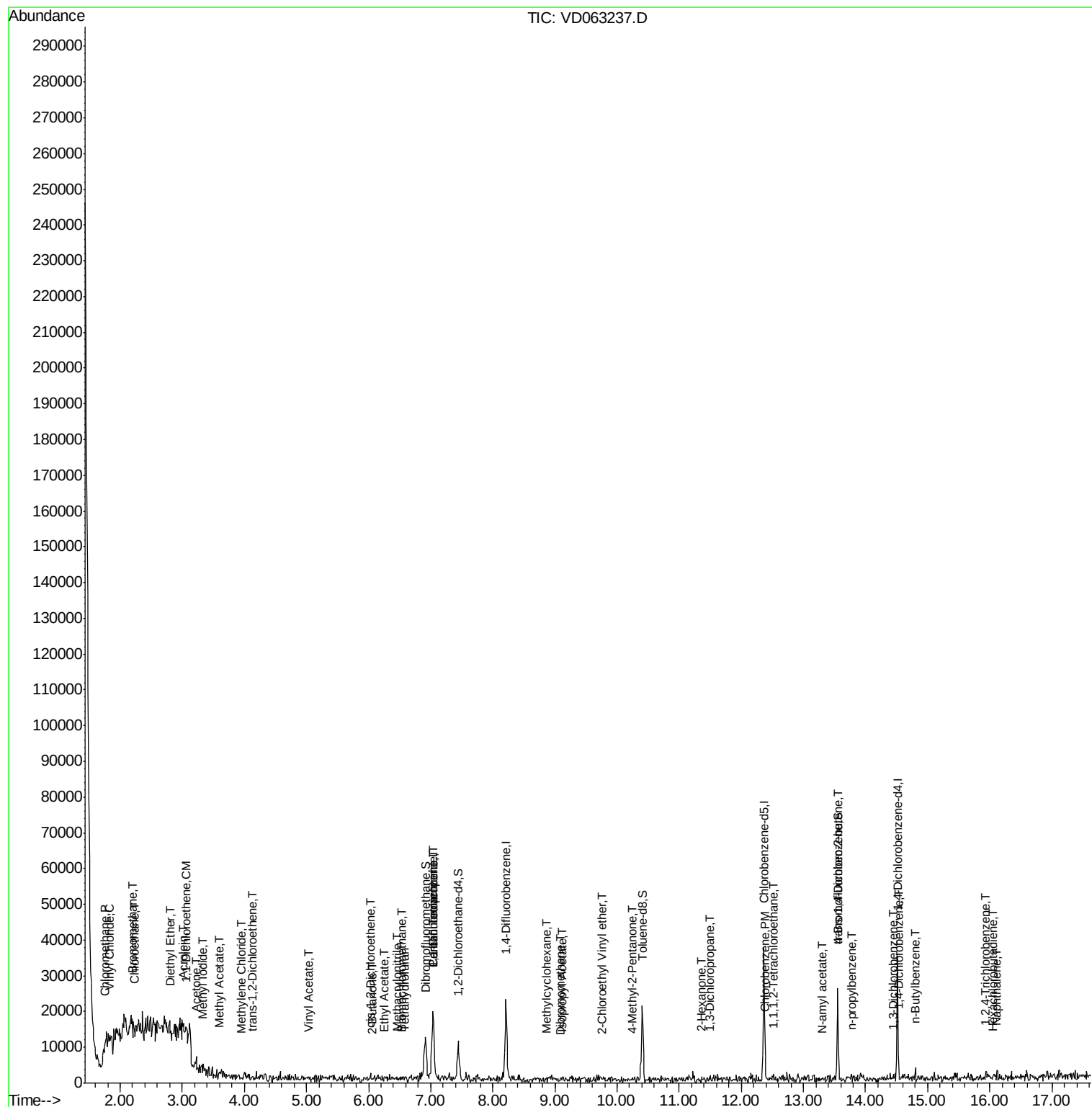
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	14.54	146	325	1.161	ug/l #	24
89) n-Butylbenzene	14.79	91	529	1.127	ug/l #	31
93) 1,2,4-Trichlorobenzene	15.94	180	368	1.924	ug/l #	83
94) Hexachlorobutadiene	16.04	225	188	1.356	ug/l #	19
95) Naphthalene	16.12	128	1694	6.266	ug/l #	70

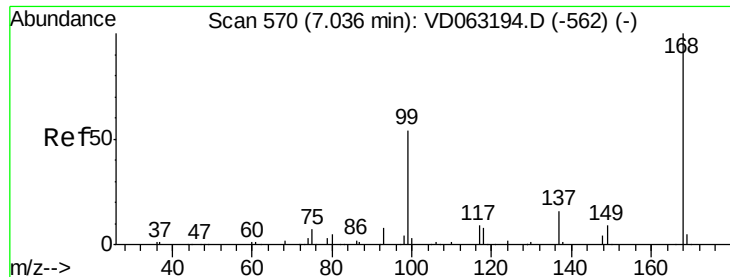
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073019\
Data File : VD063237.D
Acq On : 30 Jul 2019 13:10
Operator : VA/AP
Sample : K4043-14
Misc : 4.99g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-298-300

Quant Time: Jul 31 04:54:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

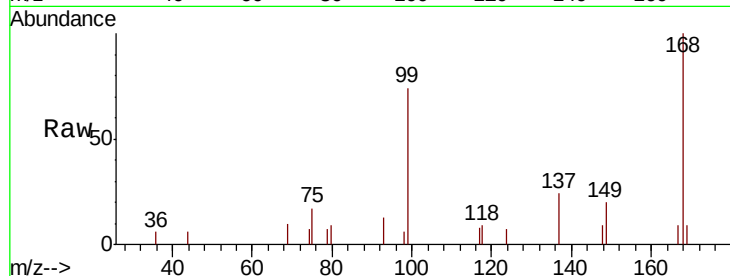
BP-VPB203-GW-298-300

Tot Ion:168 Resp: 16267

Ion Ratio Lower Upper

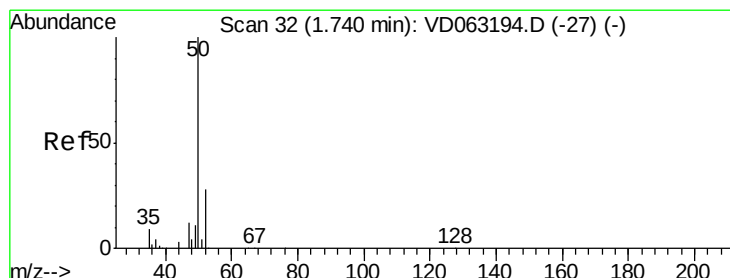
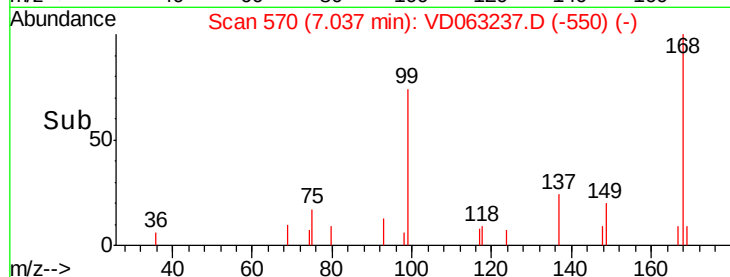
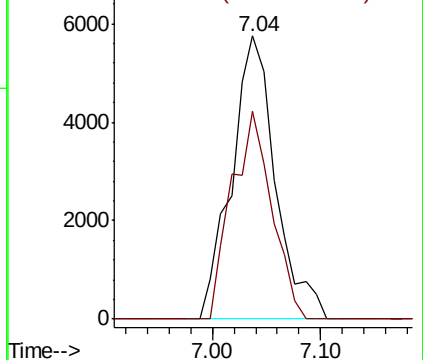
168 100

99 73.5 43.7 65.5#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 7.916 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063237.D

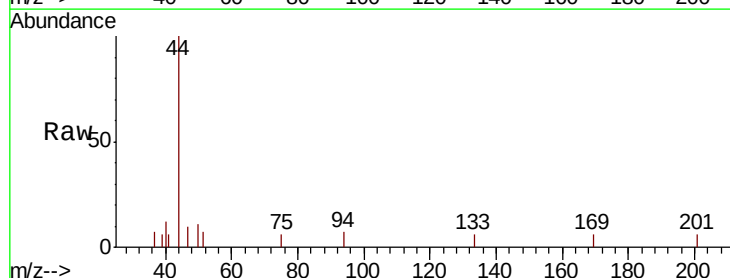
Acq: 30 Jul 2019 13:10

Tgt Ion: 50 Resp: 1223

Ion Ratio Lower Upper

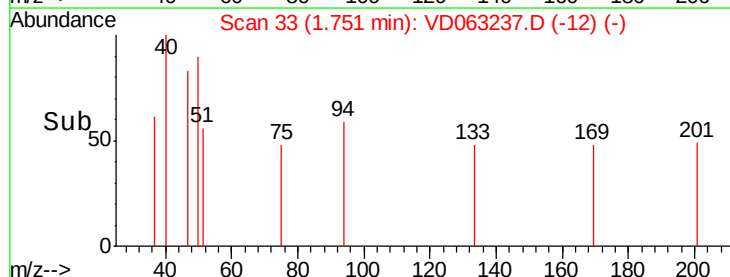
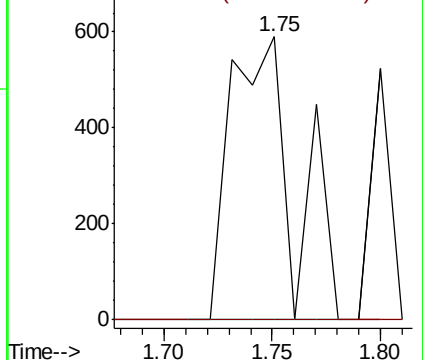
50 100

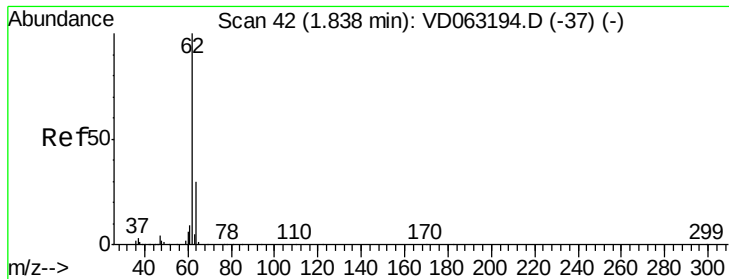
52 0.0 22.6 34.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 1.113 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

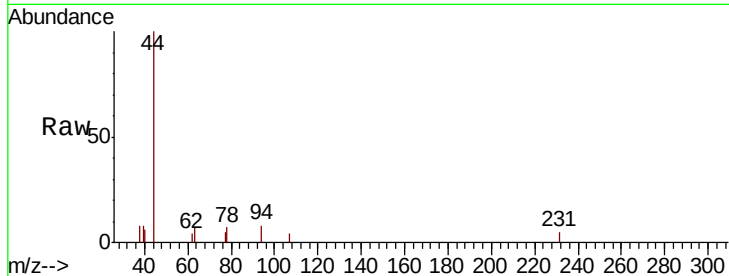
BP-VPB203-GW-298-300

Tot Ion: 62 Resp: 178

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

400

300

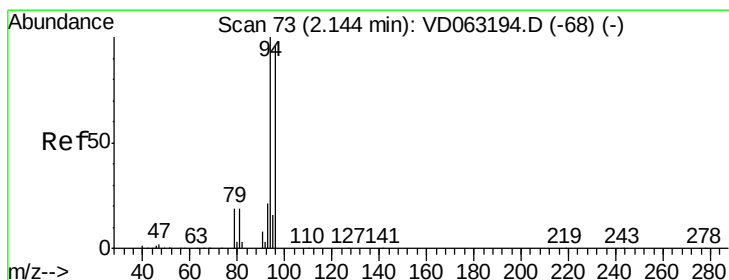
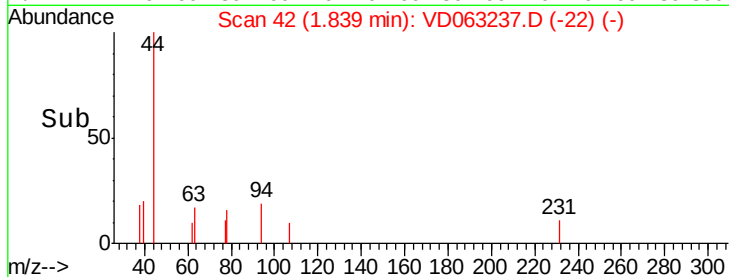
200

100

0

1.82 1.84 1.86

Time-->



#5

Bromomethane

Concen: 52.157 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.05 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

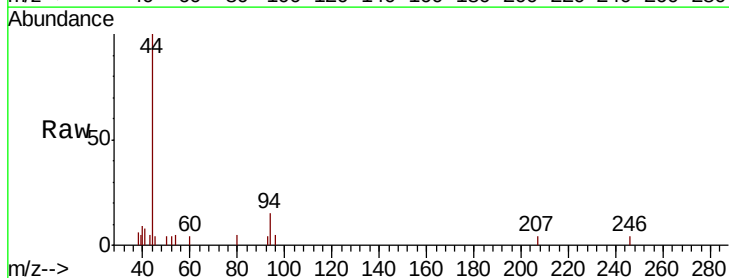
Tgt Ion: 94 Resp: 4207

Ion Ratio Lower Upper

94 100

96 36.2 76.4 114.6#

93 25.7 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

1500

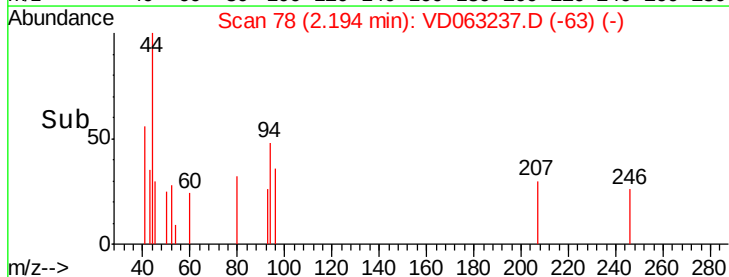
1000

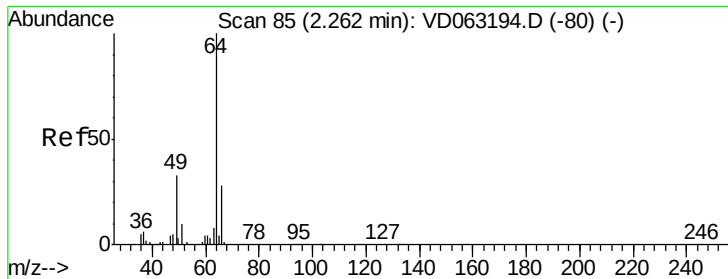
500

0

2.10 2.15 2.20

Time-->





#6

Chloroethane

Concen: 2.695 ug/l

RT: 2.23 min Scan# 82

Delta R.T. -0.03 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

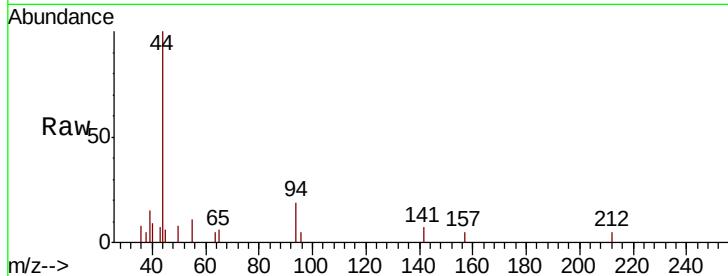
BP-VPB203-GW-298-300

Tot Ion: 64 Resp: 199

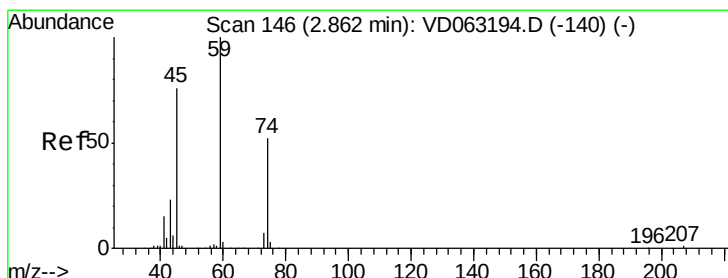
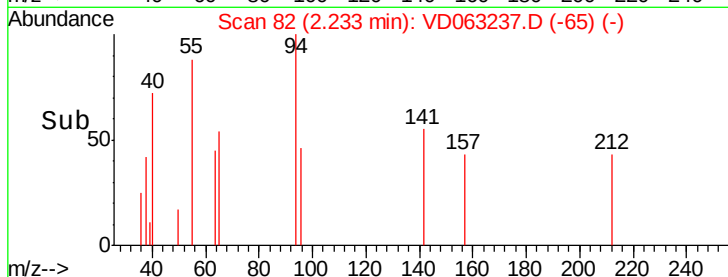
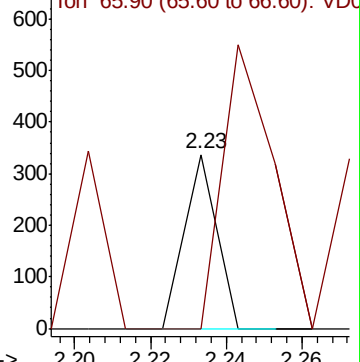
Ion Ratio Lower Upper

64 100

66 0.0 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC



#8

Diethyl Ether

Concen: 4.836 ug/l

RT: 2.82 min Scan# 142

Delta R.T. -0.04 min

Lab File: VD063237.D

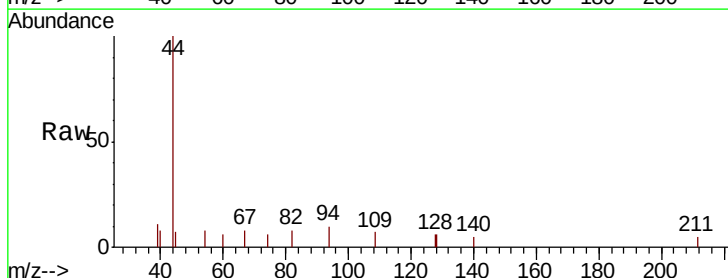
Acq: 30 Jul 2019 13:10

Tgt Ion: 74 Resp: 210

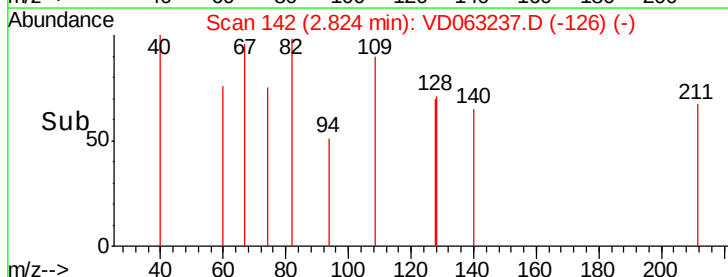
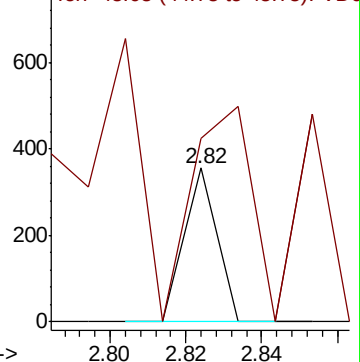
Ion Ratio Lower Upper

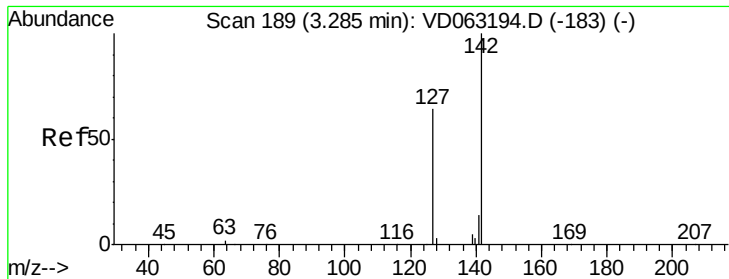
74 100

45 119.4 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

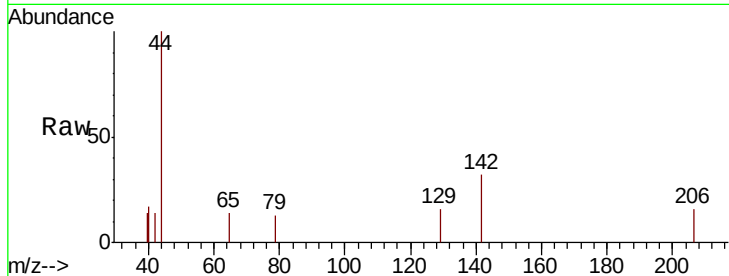




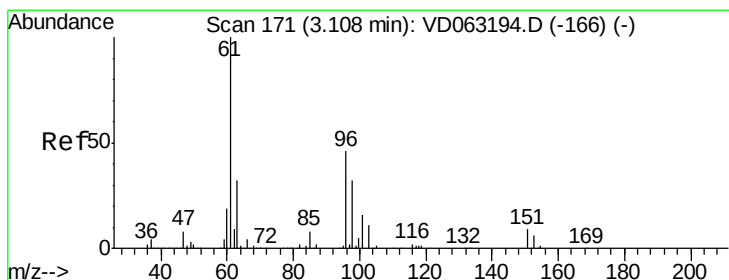
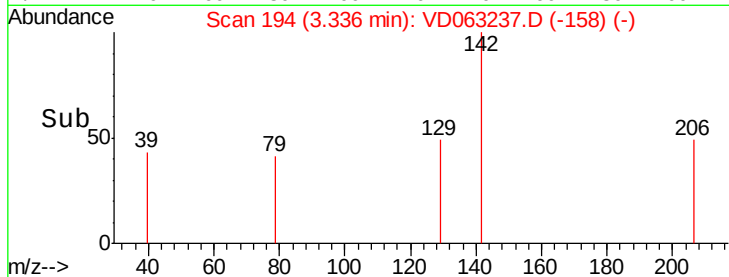
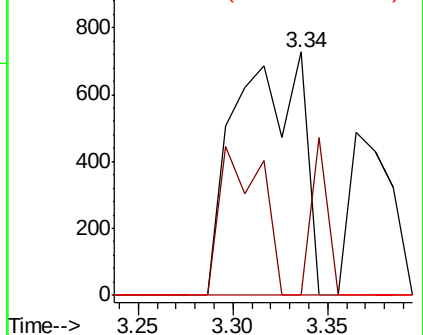
#10
Methvl Iodide
Concen: 7.173 ug/l
RT: 3.34 min Scan# 194
Delta R.T. 0.05 min
Lab File: VD063237.D
Acq: 30 Jul 2019 13:10

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-298-300

Tot Ion:142 Resp: 1781
Ion Ratio Lower Upper
142 100
127 0.0 50.8 76.2#
141 0.0 11.4 17.2#

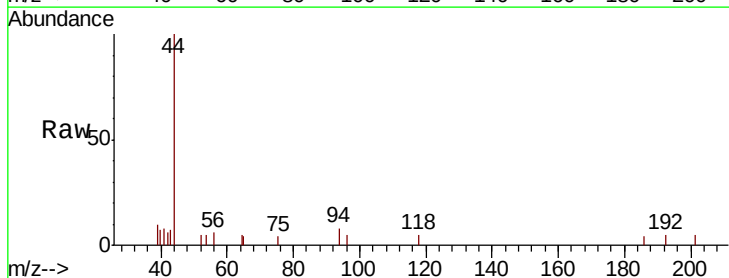


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

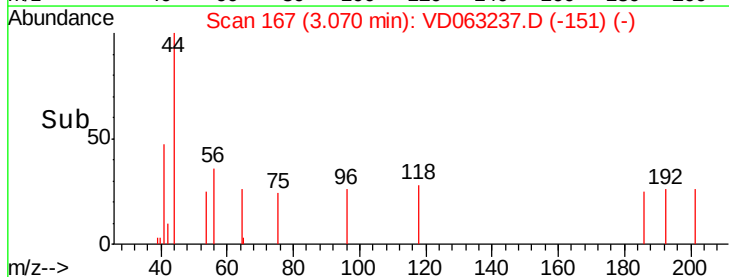
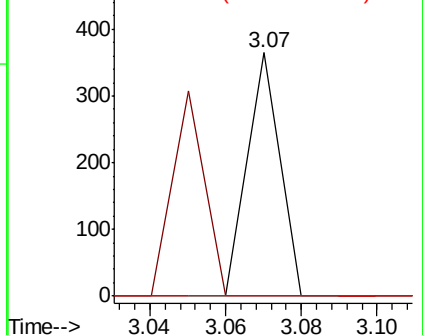


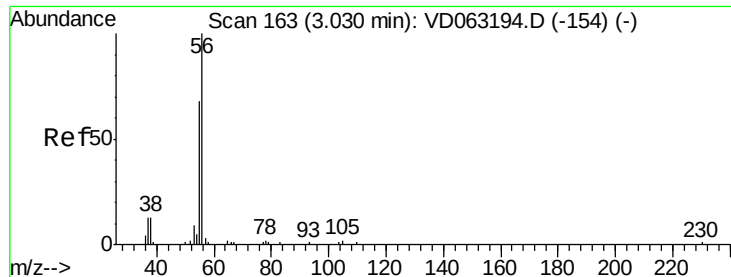
#12
1,1-Dichloroethene
Concen: 1.712 ug/l
RT: 3.07 min Scan# 167
Delta R.T. -0.04 min
Lab File: VD063237.D
Acq: 30 Jul 2019 13:10

Tgt Ion: 96 Resp: 216
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: 34.106 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

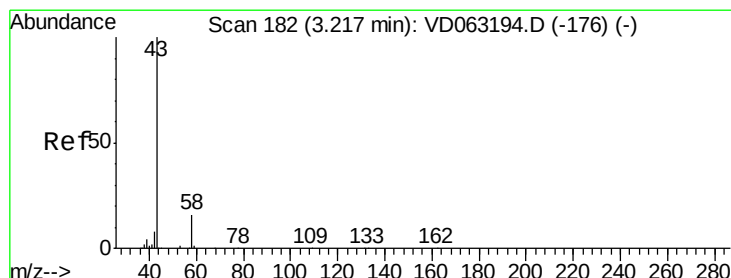
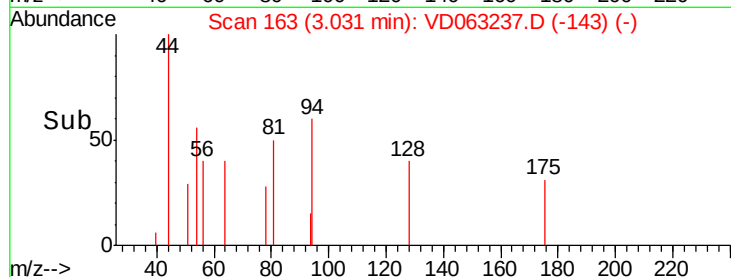
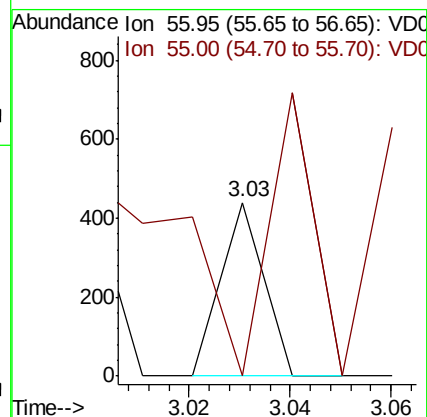
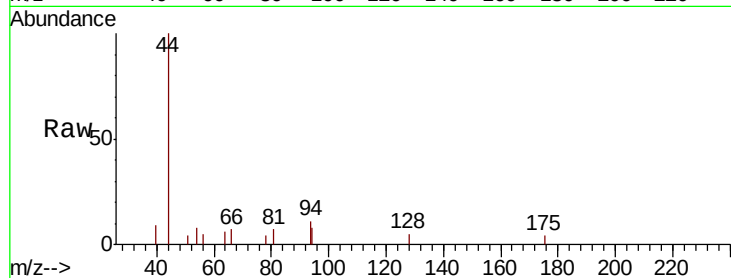
BP-VPB203-GW-298-300

Tot Ion: 56 Resp: 260

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#



#16

Acetone

Concen: 143.283 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063237.D

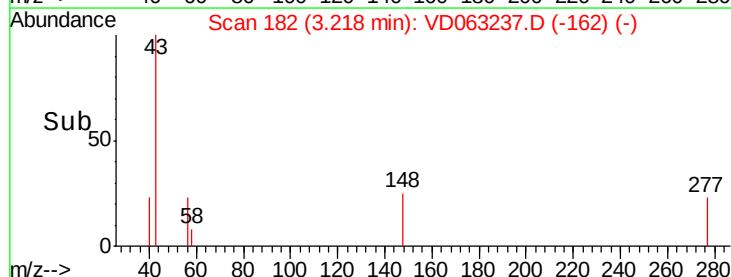
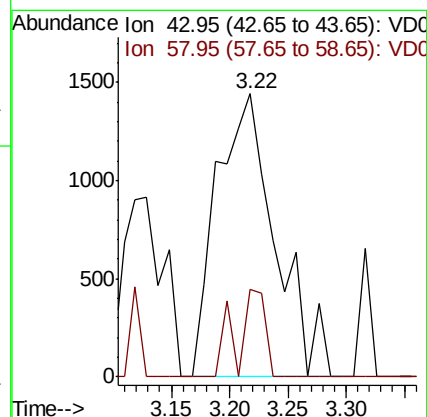
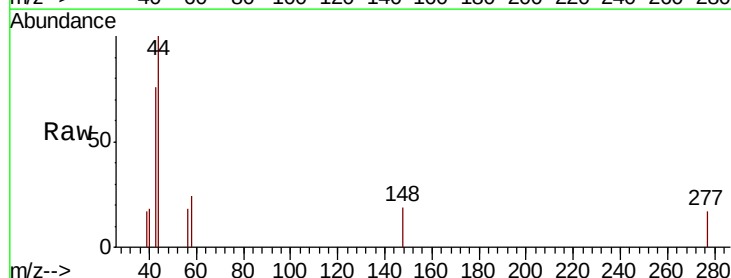
Acq: 30 Jul 2019 13:10

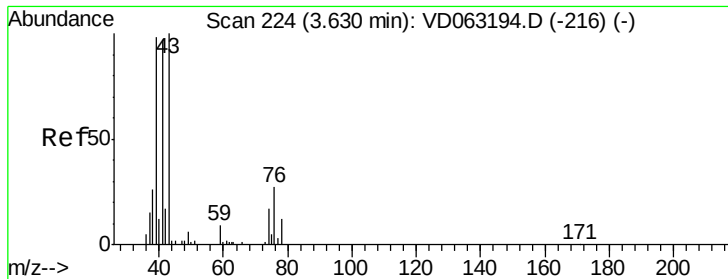
Tgt Ion: 43 Resp: 5039

Ion Ratio Lower Upper

43 100

58 30.9 13.0 19.4#

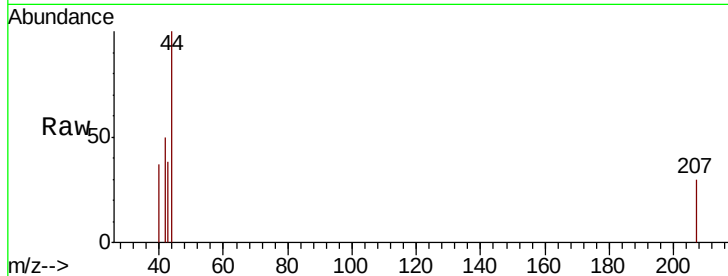




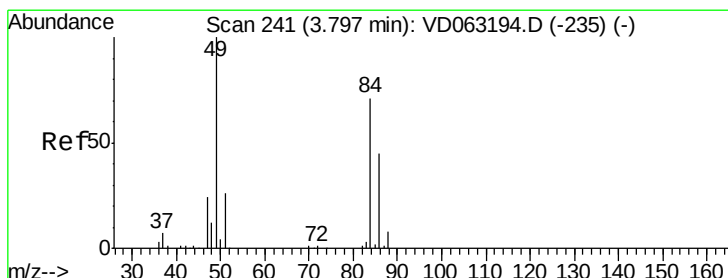
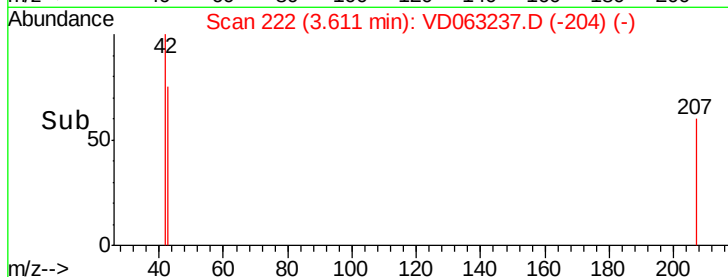
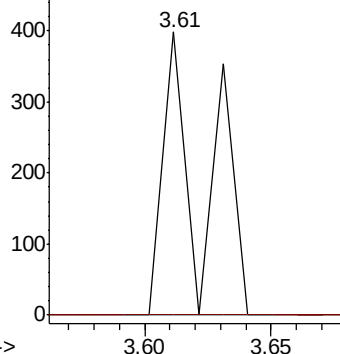
#18
Methyl Acetate
Concen: 6.573 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD063237.D
Acq: 30 Jul 2019 13:10

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-298-300

Tot Ion: 43 Resp: 444
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.8#

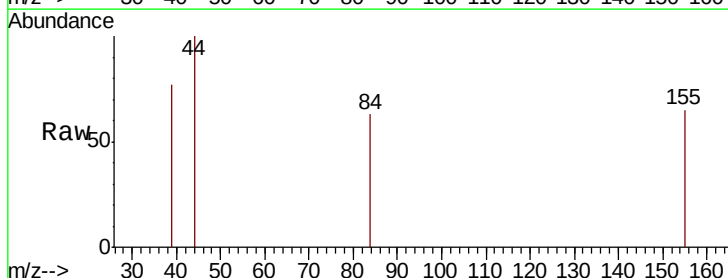


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

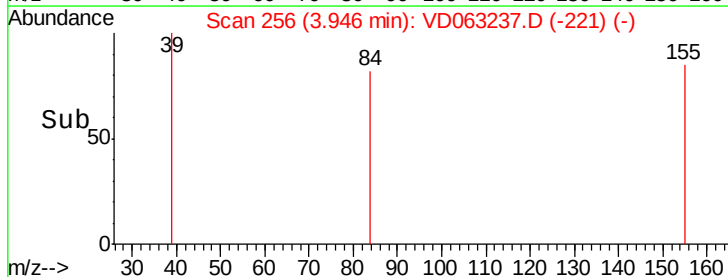
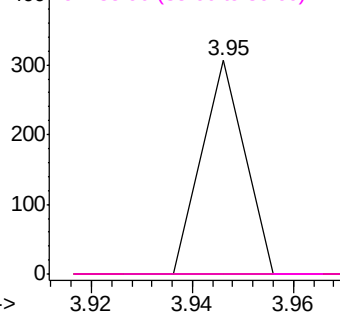


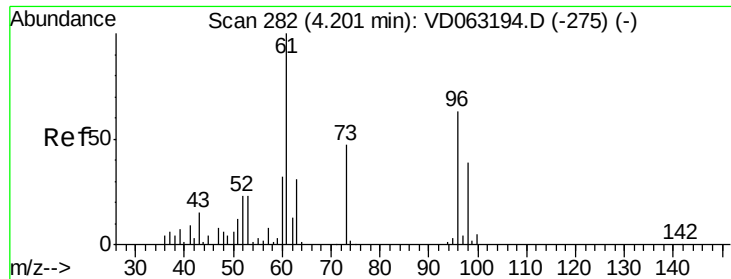
#20
Methylene Chloride
Concen: 1.273 ug/l
RT: 3.95 min Scan# 256
Delta R.T. 0.15 min
Lab File: VD063237.D
Acq: 30 Jul 2019 13:10

Tgt 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#



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 1.307 ug/l

RT: 4.13 min Scan# 275

Delta R.T. -0.07 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

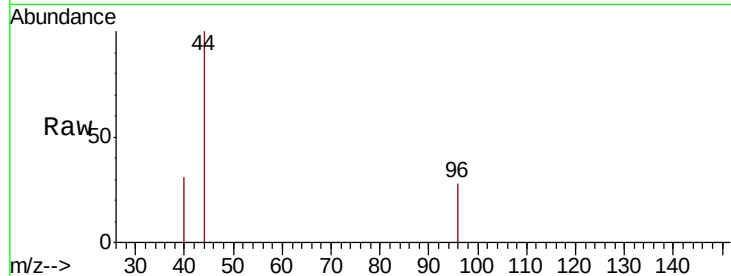
Tot Ion: 96 Resp: 185

Ion Ratio Lower Upper

96 100

61 0.0 127.4 191.2#

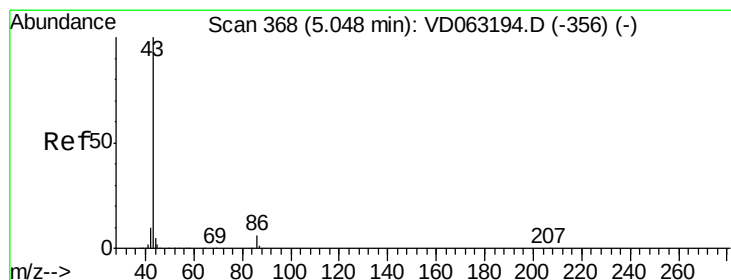
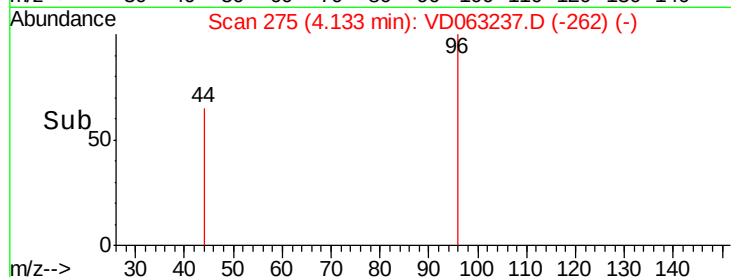
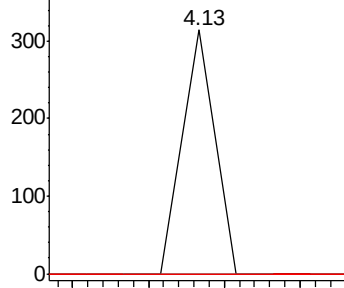
98 0.0 49.3 73.9#



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



#23

Vinyl Acetate

Concen: 1.977 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063237.D

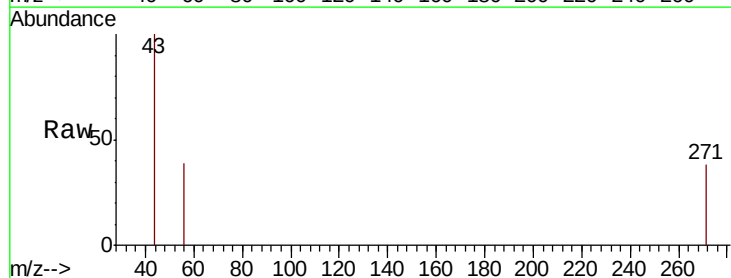
Acq: 30 Jul 2019 13:10

Tgt Ion: 43 Resp: 488

Ion Ratio Lower Upper

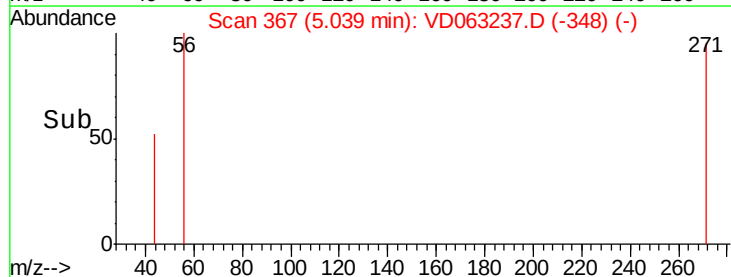
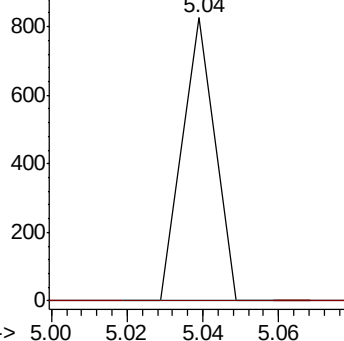
43 100

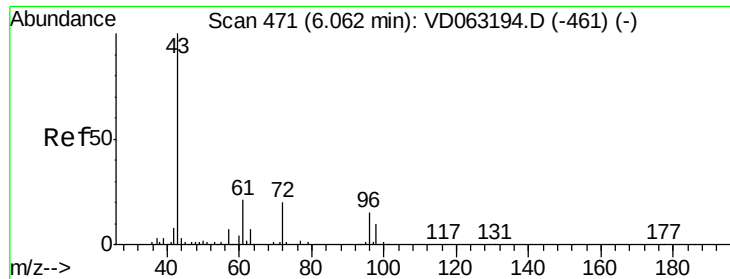
86 0.0 4.9 7.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC





#25

2-Butanone

Concen: 5.185 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

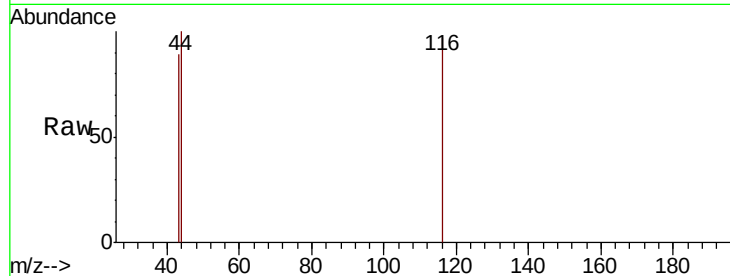
BP-VPB203-GW-298-300

Tot Ion: 43 Resp: 183

Ion Ratio Lower Upper

43 100

72 0.0 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.05

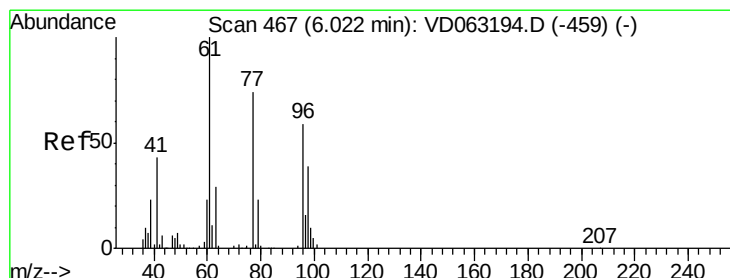
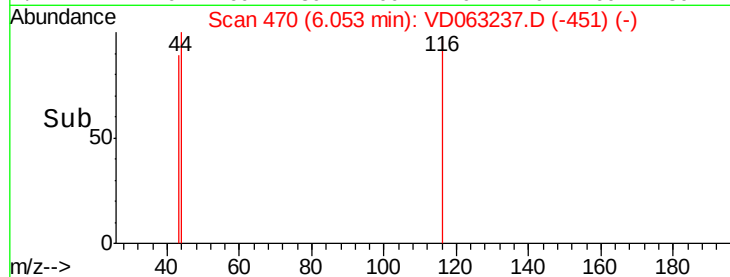
300

200

100

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.410 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

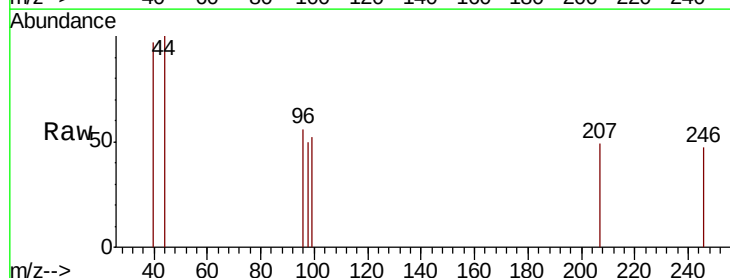
Tgt Ion: 96 Resp: 214

Ion Ratio Lower Upper

96 100

61 0.0 0.0 337.2

98 88.7 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

6.03

500

400

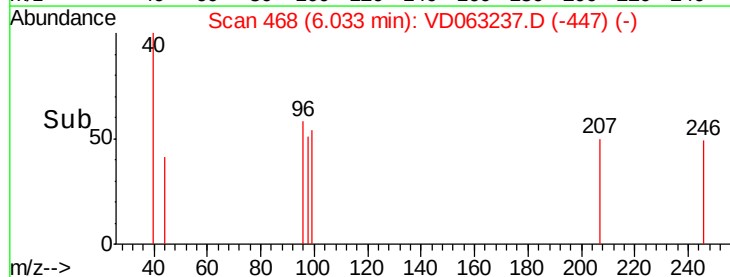
300

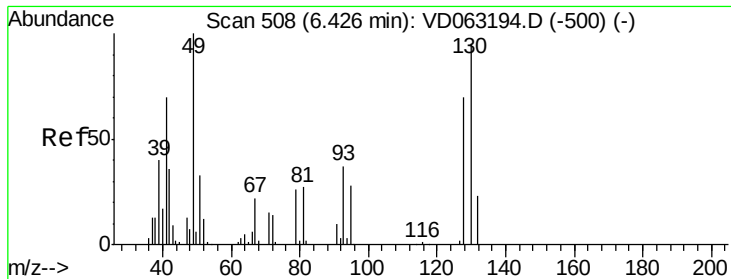
200

100

0

Time-->





#28

Bromochloromethane

Concen: 1.888 ug/l

RT: 6.54 min Scan# 519

Delta R.T. 0.11 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

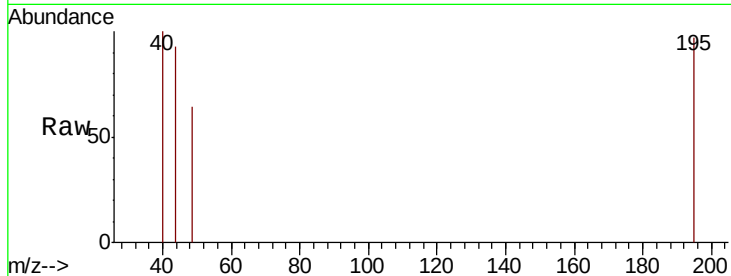
Tot Ion: 49 Resp: 193

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): VDC

Ion 129.80 (129.50 to 130.50): VDC

6.54

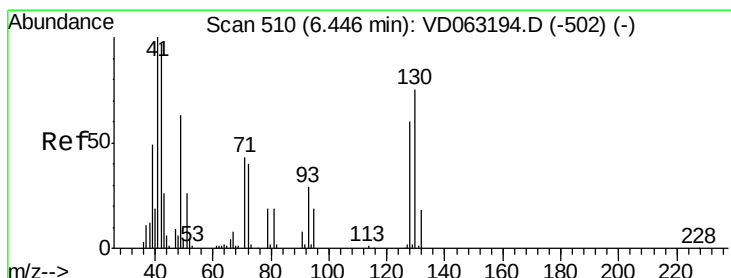
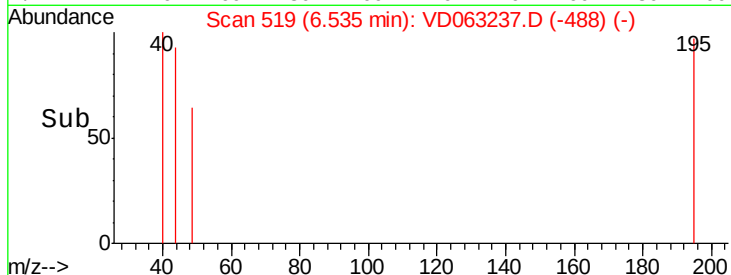
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 14.482 ug/l

RT: 6.58 min Scan# 524

Delta R.T. 0.14 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

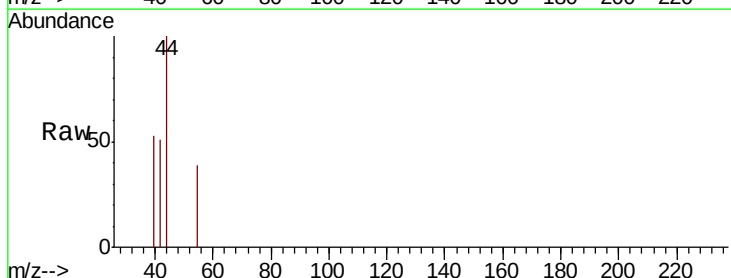
Tgt Ion: 42 Resp: 242

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.2#

71 0.0 35.7 53.5#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

6.58

400

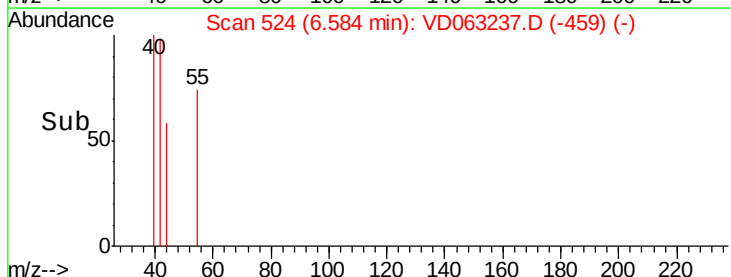
300

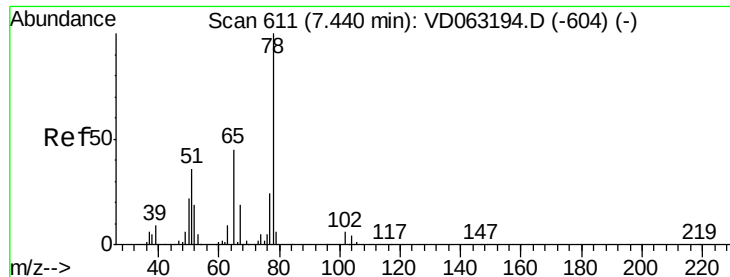
200

100

0

Time-->

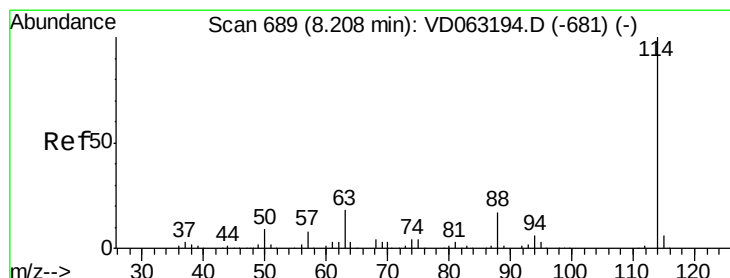
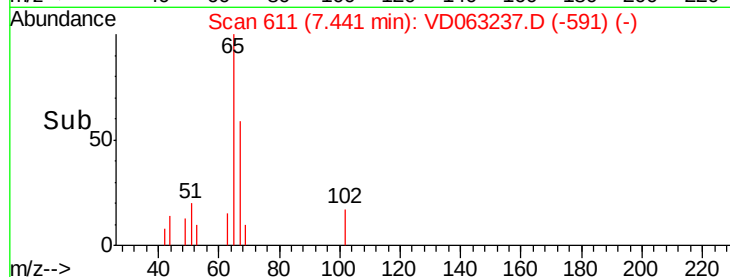
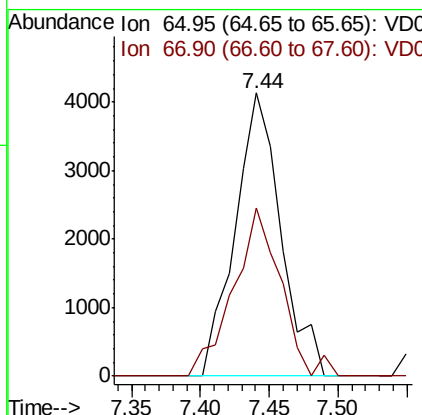
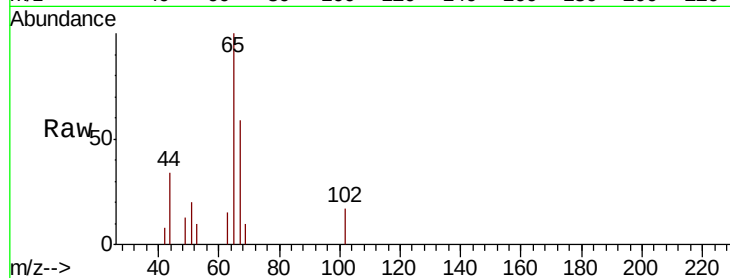




#33
 1,2-Dichloroethane-d4
 Concen: 52.920 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063237.D
 Acq: 30 Jul 2019 13:10

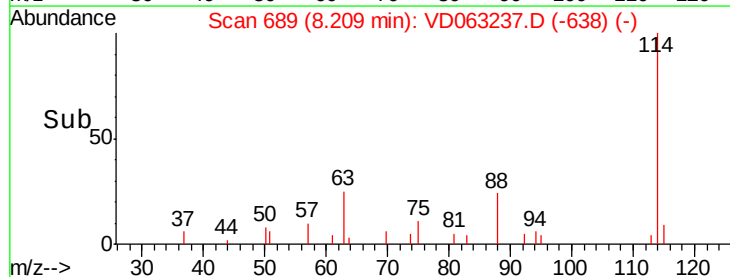
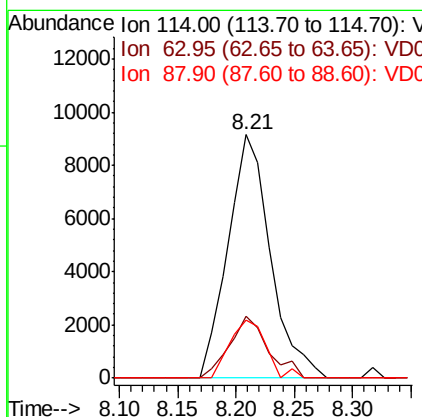
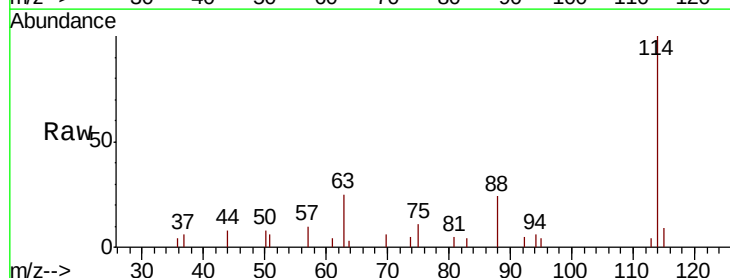
Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB203-GW-298-300

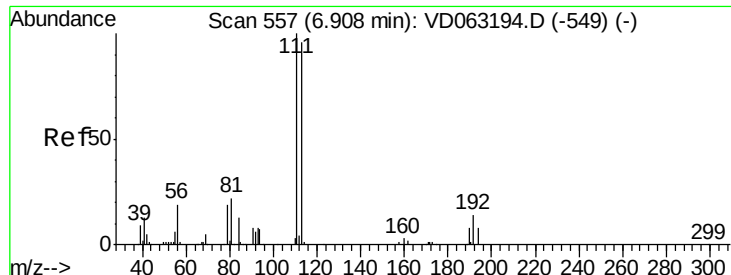
Tot Ion: 65 Resp: 9552
 Ion Ratio Lower Upper
 65 100
 67 59.4 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063237.D
 Acq: 30 Jul 2019 13:10

Tgt Ion: 114 Resp: 23134
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 35.2
 88 23.7 0.0 34.6

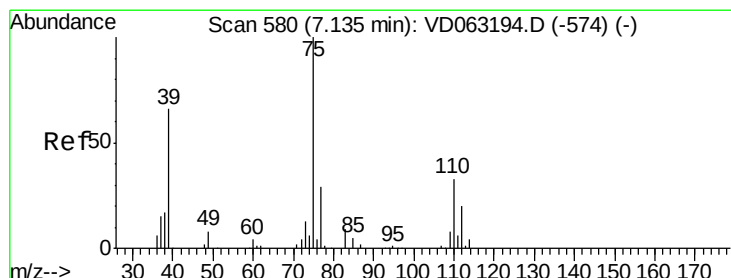
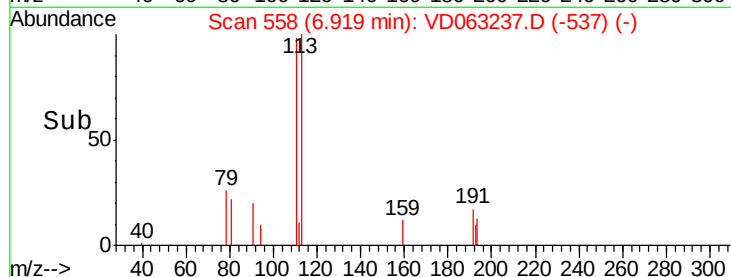
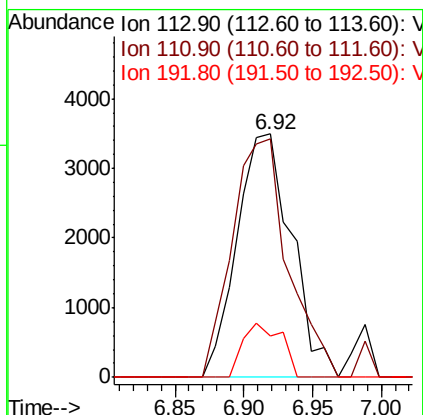
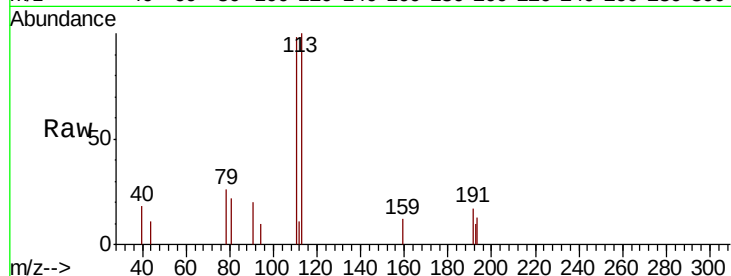




#35
Dibromofluoromethane
Concen: 48.776 ug/l
RT: 6.92 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD063237.D
Acq: 30 Jul 2019 13:10

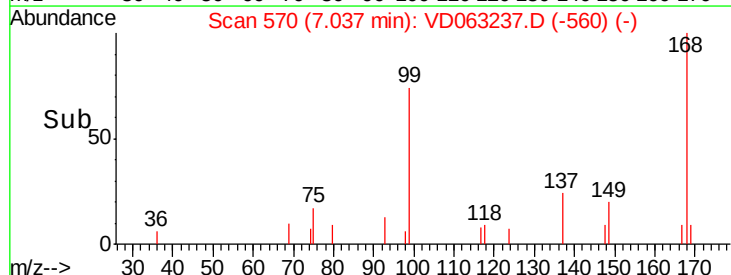
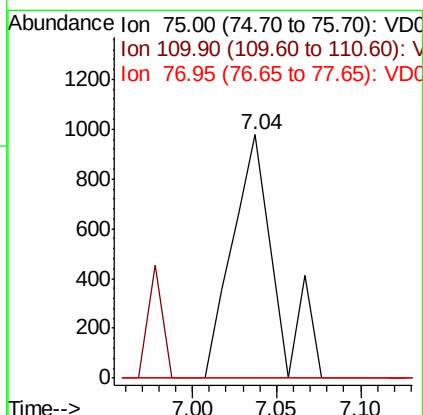
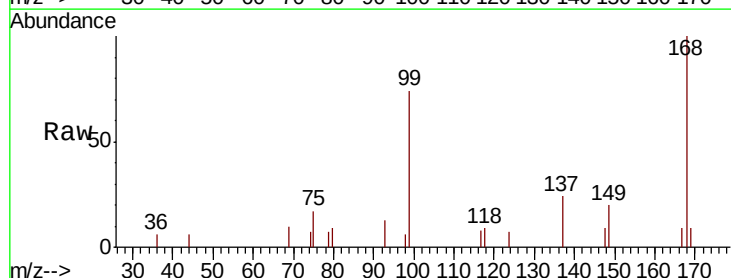
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-298-300

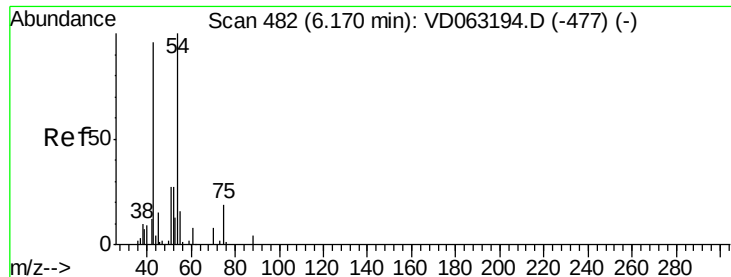
Tot Ion:113 Resp: 9634
Ion Ratio Lower Upper
113 100
111 98.1 83.2 124.8
192 16.8 11.8 17.8



#36
1,1-Dichloropropene
Concen: 8.095 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.10 min
Lab File: VD063237.D
Acq: 30 Jul 2019 13:10

Tgt Ion: 75 Resp: 1709
Ion Ratio Lower Upper
75 100
110 0.0 16.1 48.2#
77 0.0 22.7 34.1#





#37

Ethyl Acetate

Concen: 1.982 ug/l

RT: 6.27 min Scan# 492

Delta R.T. 0.10 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

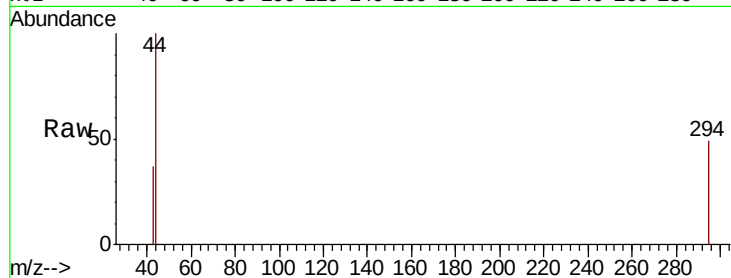
Tot Ion: 43 Resp: 188

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

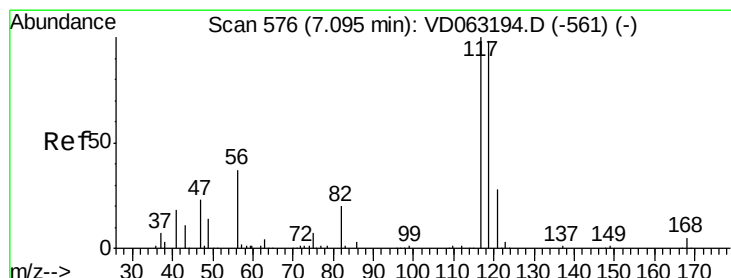
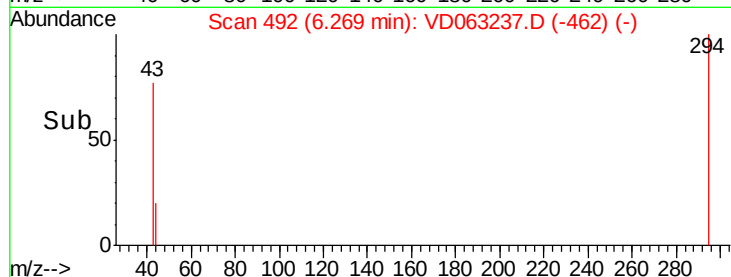
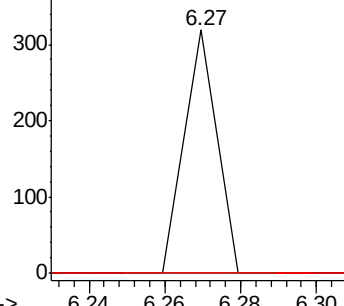
70 0.0 5.1 7.7#



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



#38

Carbon Tetrachloride

Concen: 3.112 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

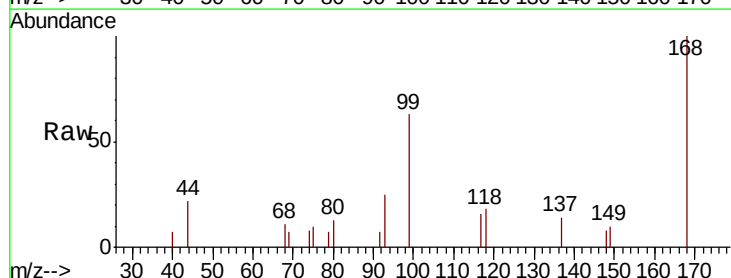
Tgt Ion: 117 Resp: 989

Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

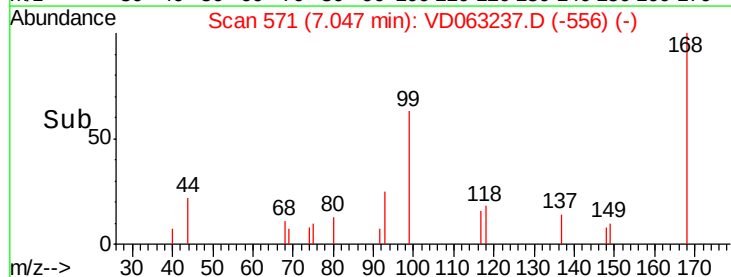
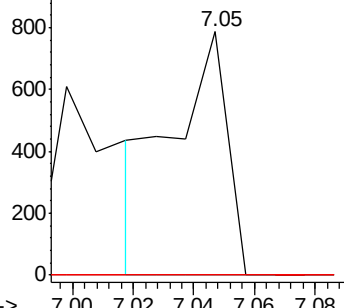
121 0.0 22.1 33.1#

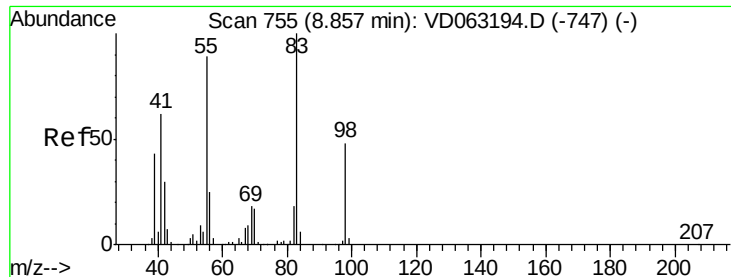


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 1.040 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

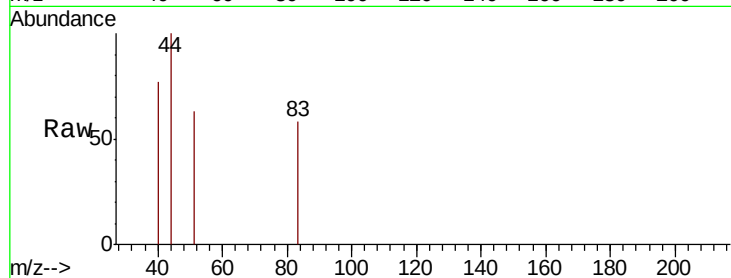
Tot Ion: 83 Resp: 183

Ion Ratio Lower Upper

83 100

55 0.0 71.1 106.7#

98 0.0 38.5 57.7#



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC

8.87

300

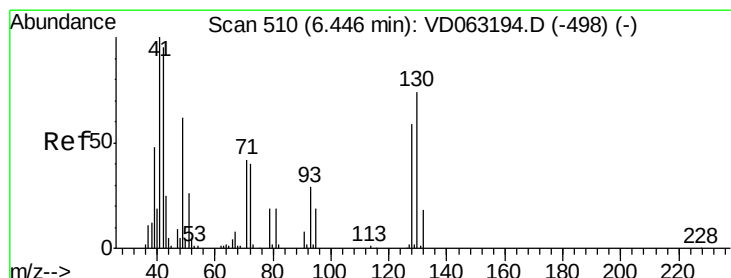
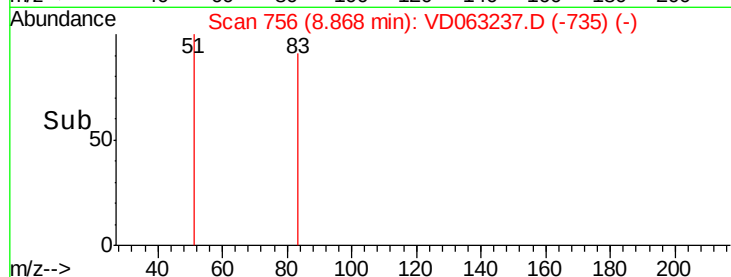
200

100

0

8.84 8.86 8.88 8.90

Time-->



#41

Methacrylonitrile

Concen: 2.054 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

Tgt Ion: 41 Resp: 233

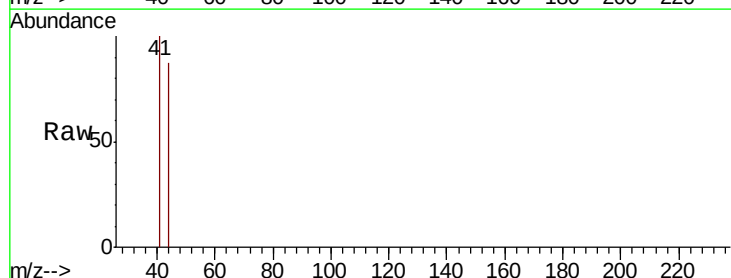
Ion Ratio Lower Upper

41 100

39 0.0 38.4 57.6#

67 0.0 6.7 10.1#

52 0.0 4.3 6.5#



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

6.47

400

300

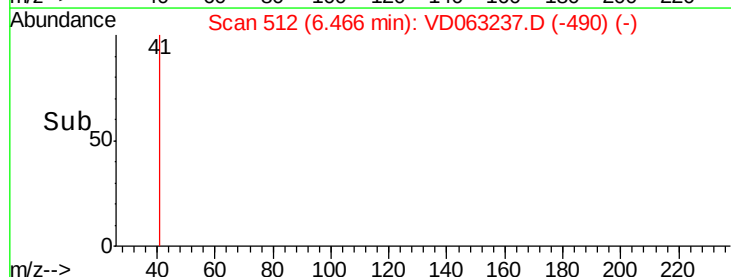
200

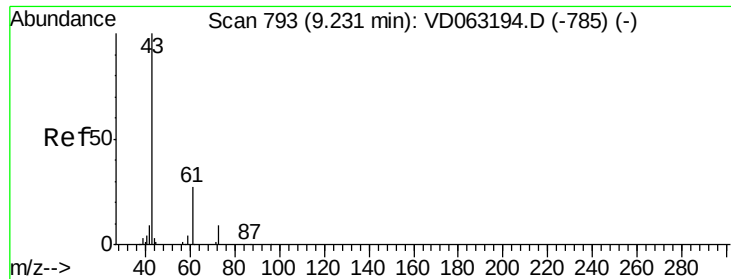
100

0

6.44 6.46 6.48 6.50

Time-->





#43

Isopropyl Acetate

Concen: 1.469 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.11 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

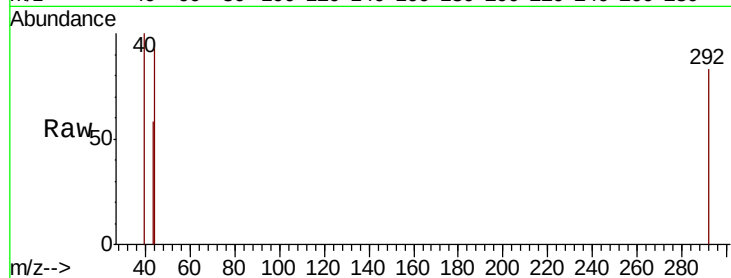
Tot Ion: 43 Resp: 178

Ion Ratio Lower Upper

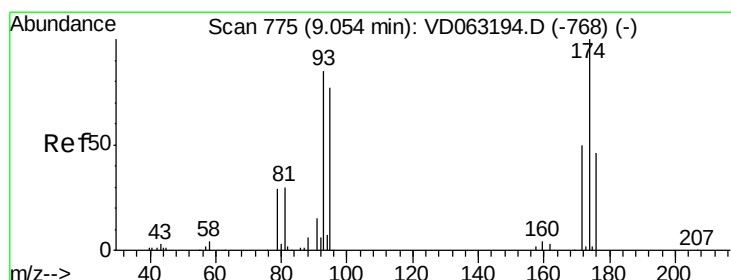
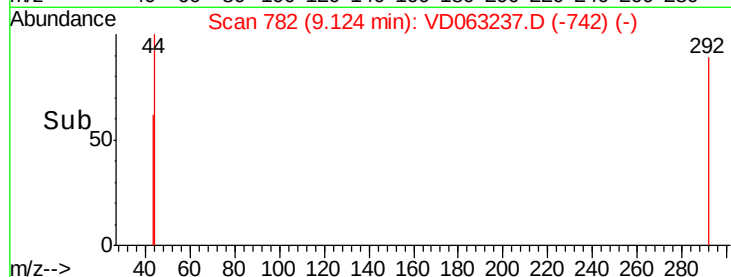
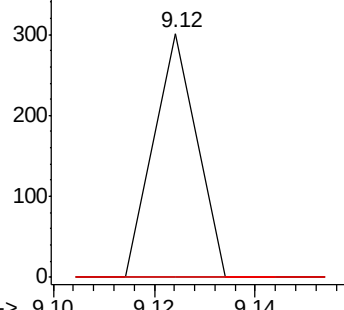
43 100

61 0.0 21.4 32.0#

87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#46

Dibromomethane

Concen: 1.968 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

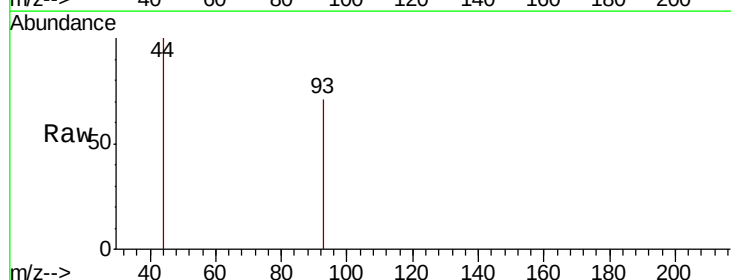
Tgt Ion: 93 Resp: 184

Ion Ratio Lower Upper

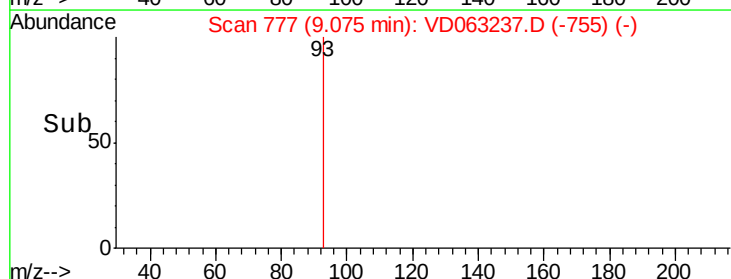
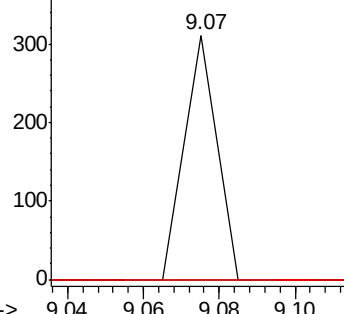
93 100

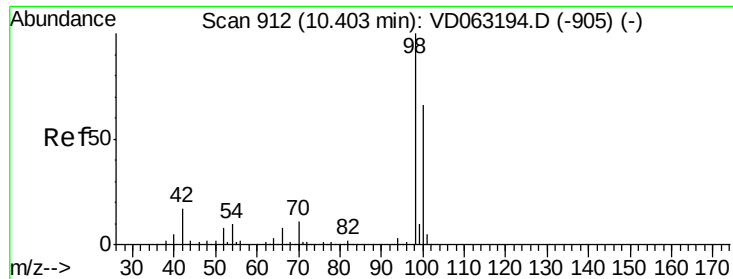
95 0.0 72.8 109.2#

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

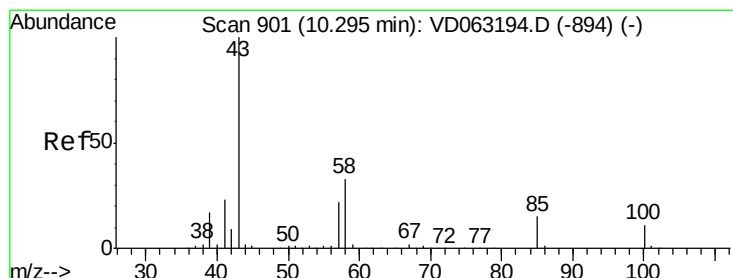
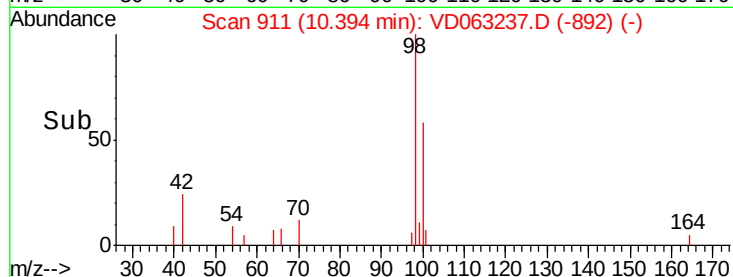
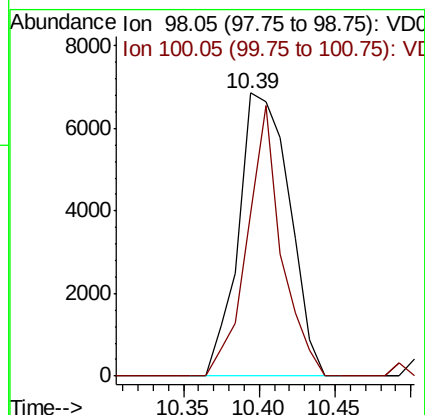
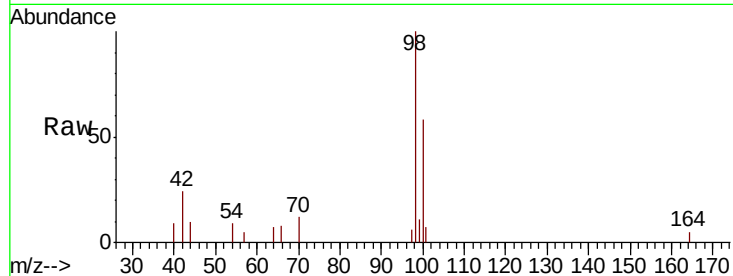




#50
Toluene-d8
Concen: 36.302 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063237.D
Acq: 30 Jul 2019 13:10

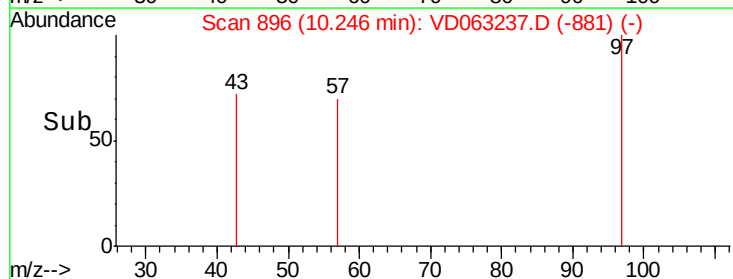
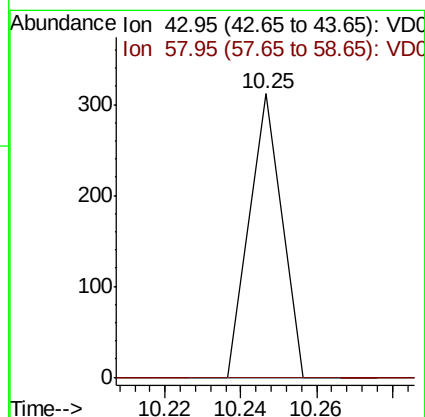
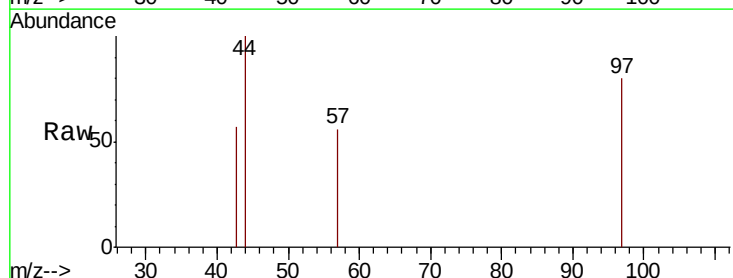
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-298-300

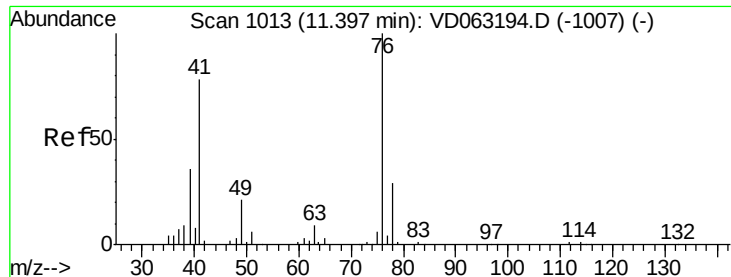
Tot Ion: 98 Resp: 16047
Ion Ratio Lower Upper
98 100
100 57.7 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 2.233 ug/l
RT: 10.25 min Scan# 896
Delta R.T. -0.05 min
Lab File: VD063237.D
Acq: 30 Jul 2019 13:10

Tgt Ion: 43 Resp: 184
Ion Ratio Lower Upper
43 100
58 0.0 26.2 39.2#

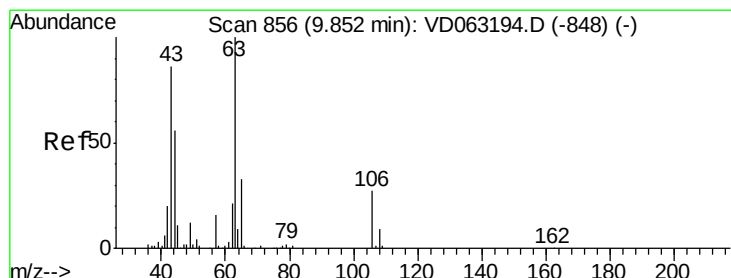
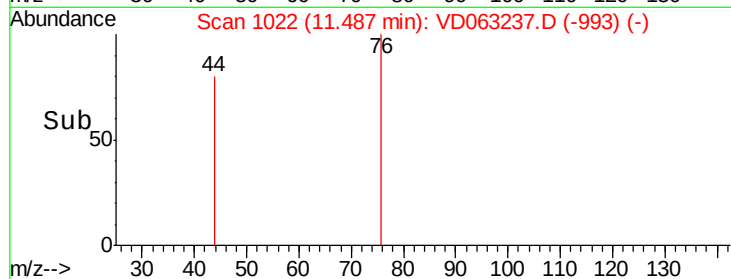
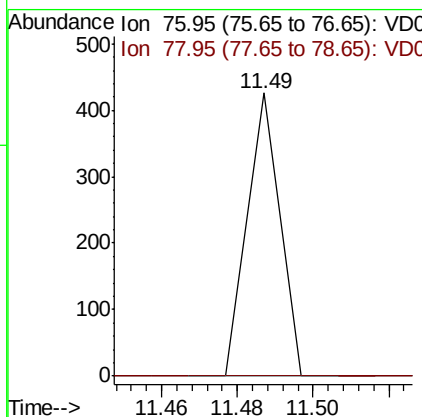
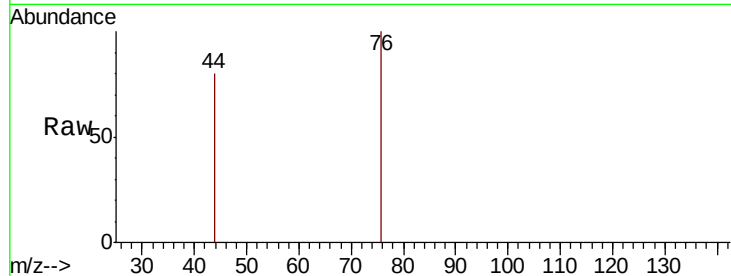




#57
 1,3-Dichloropropane
 Concen: 1.609 ug/l
 RT: 11.49 min Scan# 1022
 Delta R.T. 0.09 min
 Lab File: VD063237.D
 Acq: 30 Jul 2019 13:10

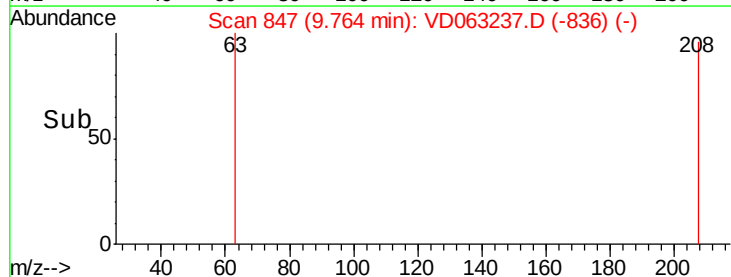
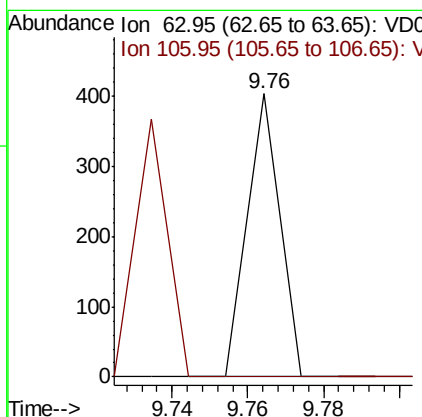
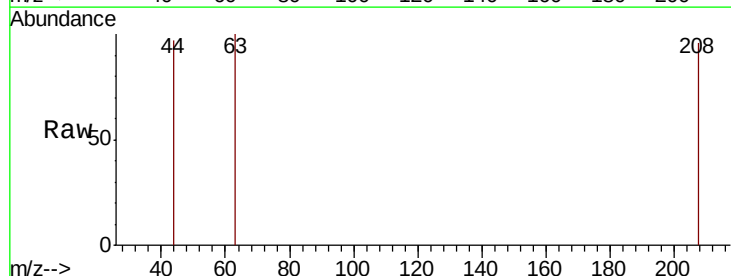
Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB203-GW-298-300

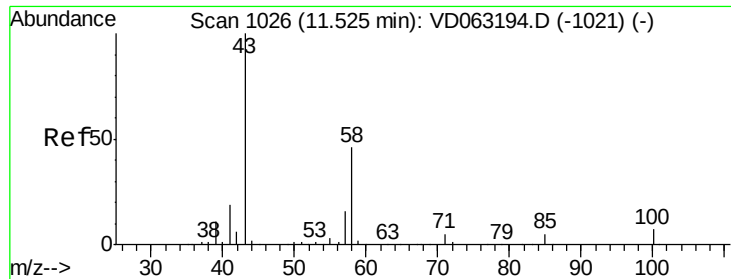
Tot Ion: 76 Resp: 252
 Ion Ratio Lower Upper
 76 100
 78 0.0 23.4 35.0#



#58
 2-Chloroethyl Vinyl ether
 Concen: 4.202 ug/l
 RT: 9.76 min Scan# 847
 Delta R.T. -0.09 min
 Lab File: VD063237.D
 Acq: 30 Jul 2019 13:10

Tgt Ion: 63 Resp: 238
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.0 33.0#

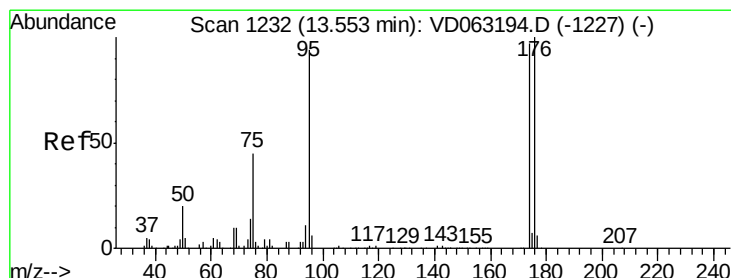
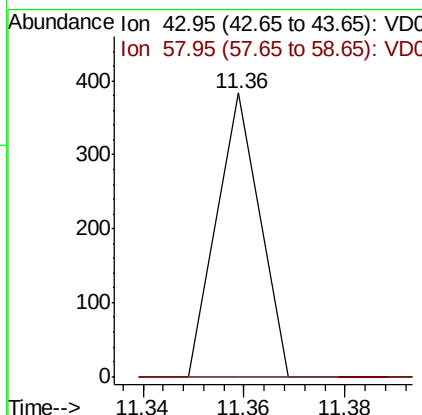
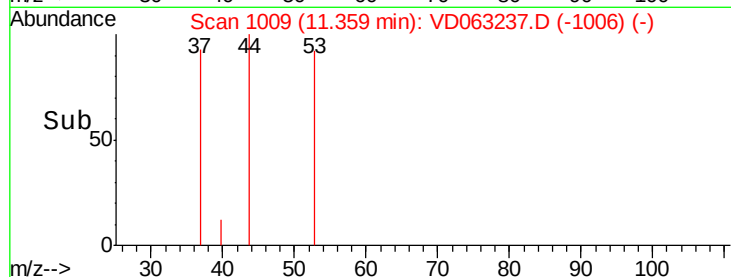
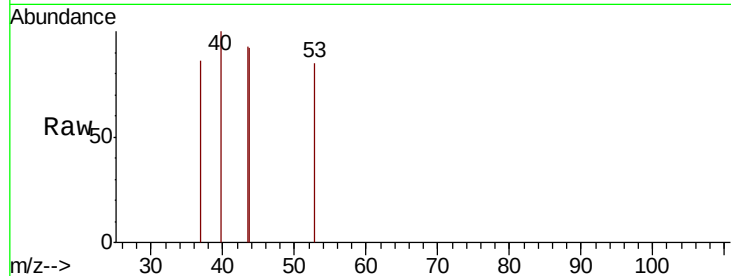




#59
2-Hexanone
Concen: 3.806 ug/l
RT: 11.36 min Scan# 1009
Delta R.T. -0.17 min
Lab File: VD063237.D
Acq: 30 Jul 2019 13:10

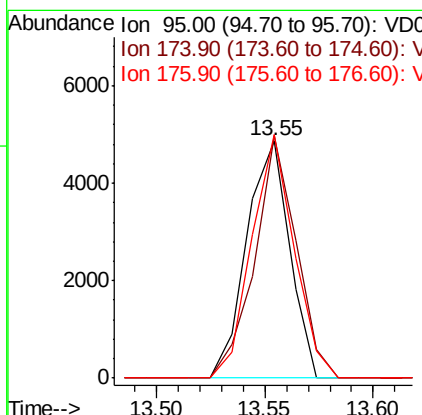
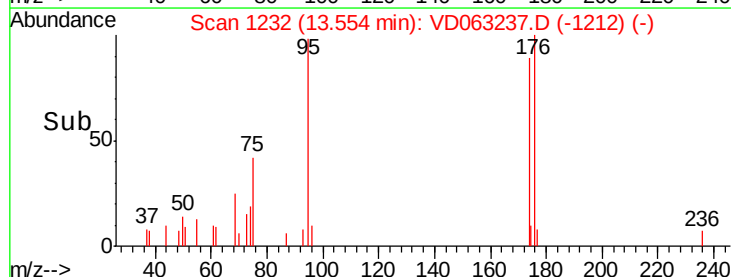
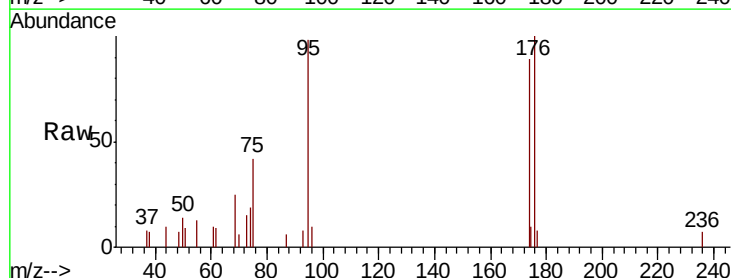
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-298-300

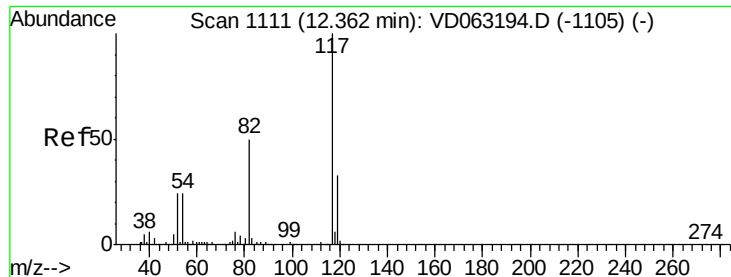
Tot Ion: 43 Resp: 226
Ion Ratio Lower Upper
43 100
58 0.0 22.9 68.5#



#62
4-Bromofluorobenzene
Concen: 33.063 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063237.D
Acq: 30 Jul 2019 13:10

Tgt Ion: 95 Resp: 6660
Ion Ratio Lower Upper
95 100
174 102.0 0.0 205.4
176 102.4 0.0 211.8

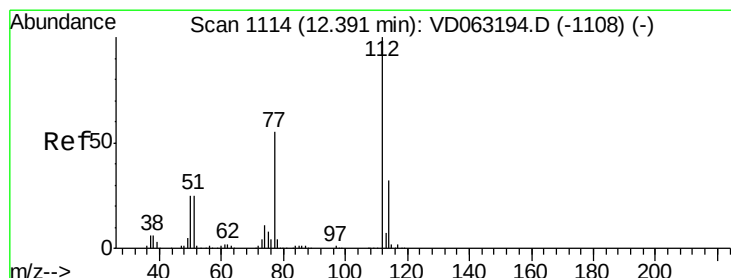
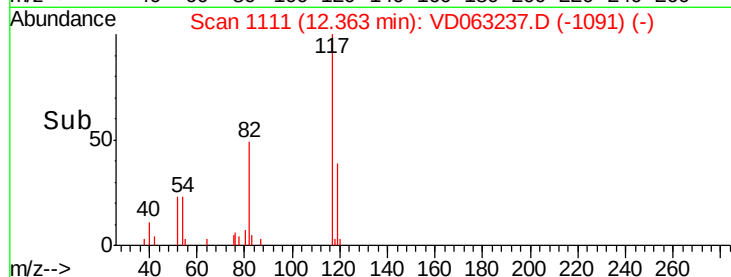
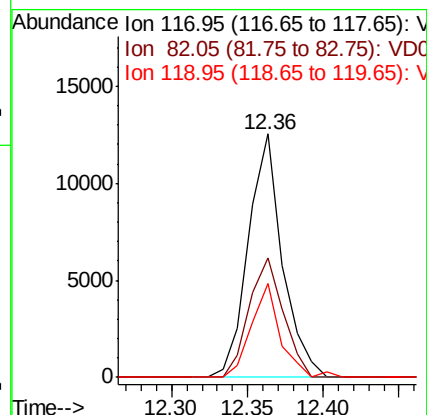
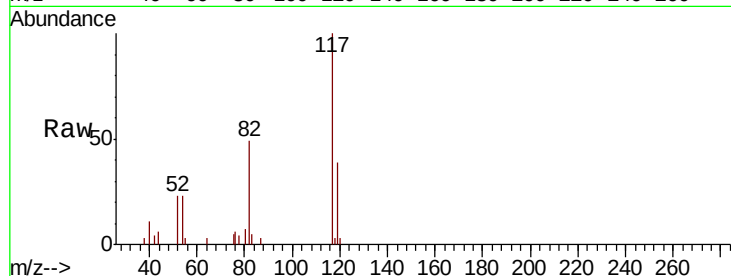




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063237.D
Acq: 30 Jul 2019 13:10

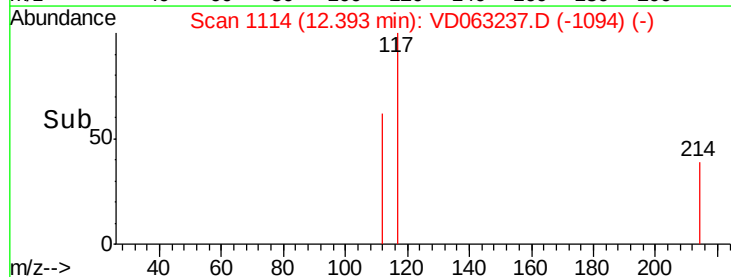
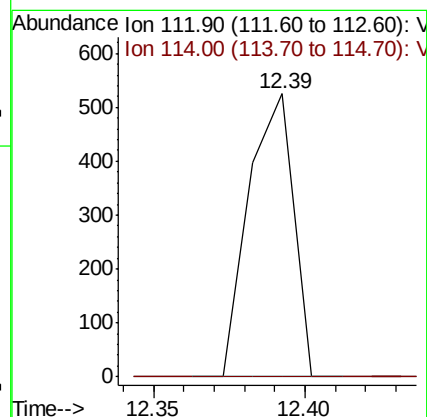
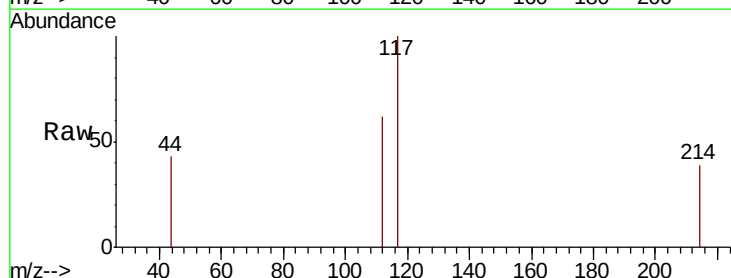
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-298-300

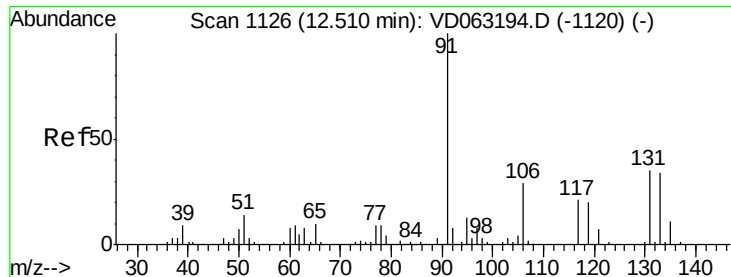
Tot Ion:117 Resp: 19679
Ion Ratio Lower Upper
117 100
82 49.0 40.1 60.1
119 38.7 26.5 39.7



#65
Chlorobenzene
Concen: 1.440 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063237.D
Acq: 30 Jul 2019 13:10

Tgt Ion:112 Resp: 545
Ion Ratio Lower Upper
112 100
114 0.0 25.8 38.8#

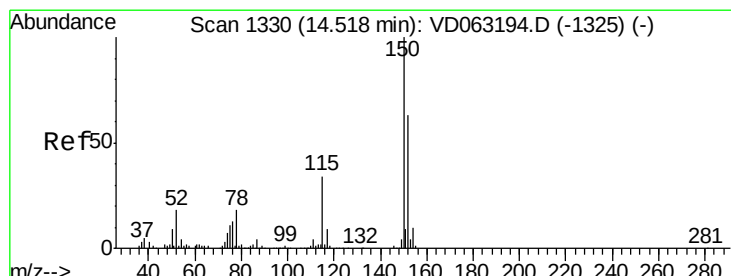
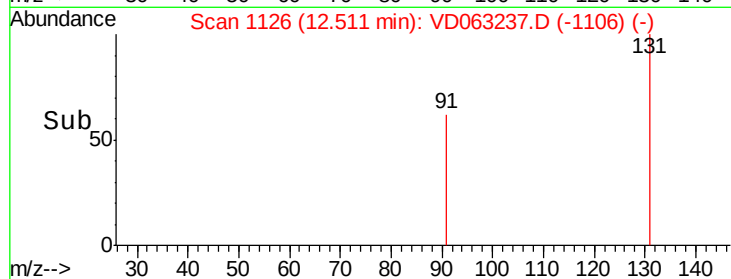
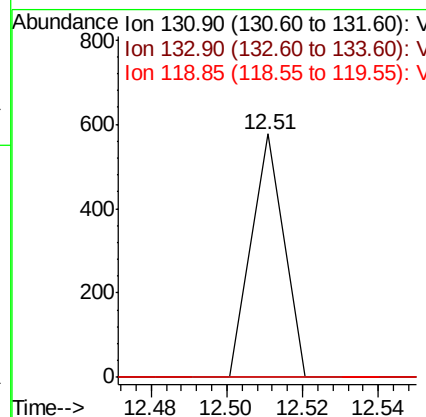
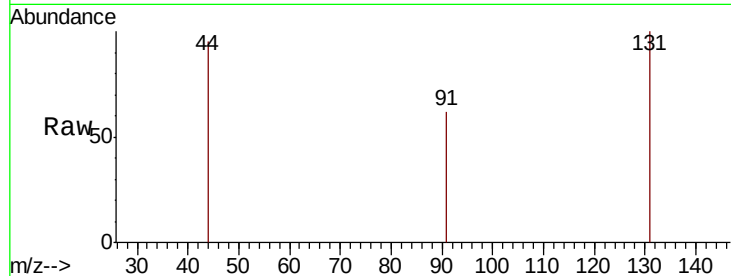




#66
 1,1,1,2-Tetrachloroethane
 Concen: 2.045 ug/l
 RT: 12.51 min Scan# 1126
 Delta R.T. 0.00 min
 Lab File: VD063237.D
 Acq: 30 Jul 2019 13:10

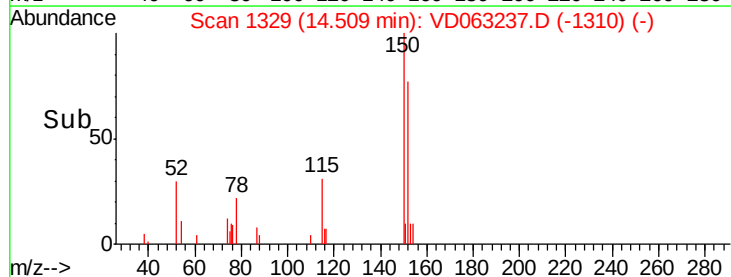
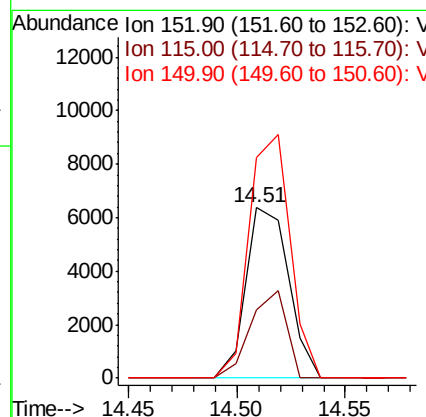
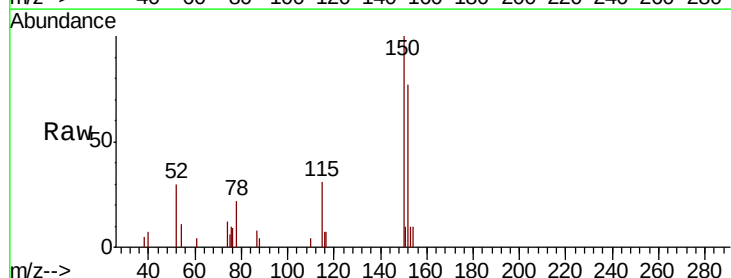
Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB203-GW-298-300

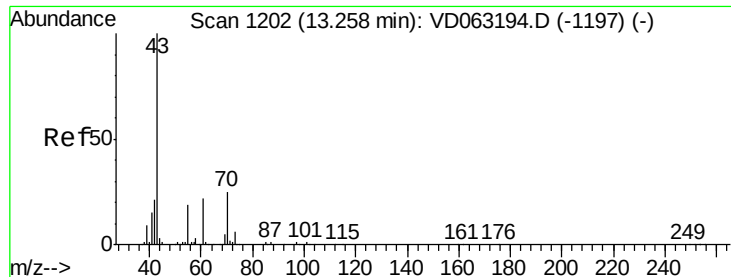
Tot Ion:131 Resp: 341
 Ion Ratio Lower Upper
 131 100
 133 0.0 48.4 145.2#
 119 0.0 29.1 87.3#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD063237.D
 Acq: 30 Jul 2019 13:10

Tgt Ion:152 Resp: 8740
 Ion Ratio Lower Upper
 152 100
 115 40.0 27.5 82.4
 150 129.4 0.0 320.6

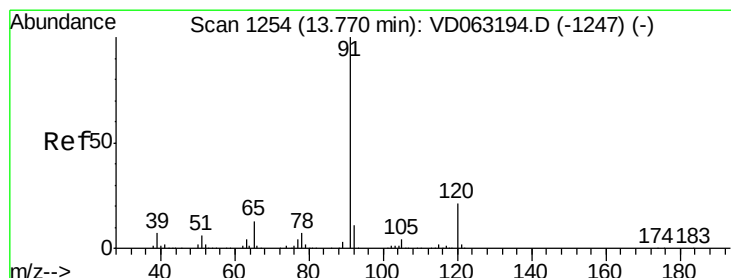
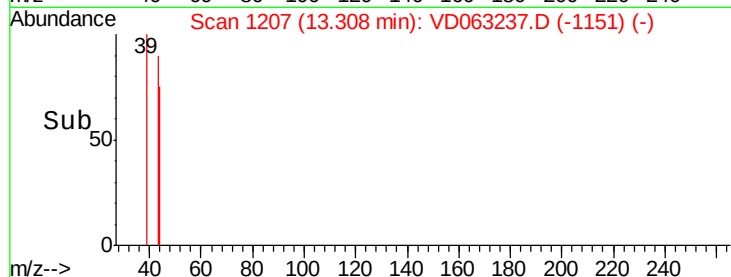
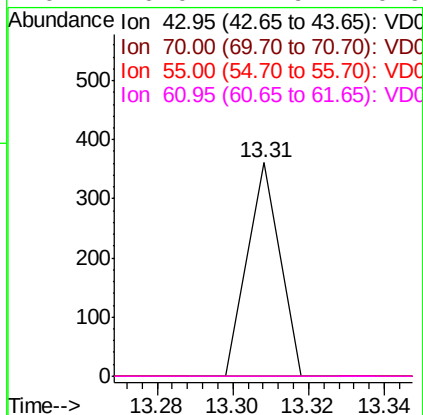
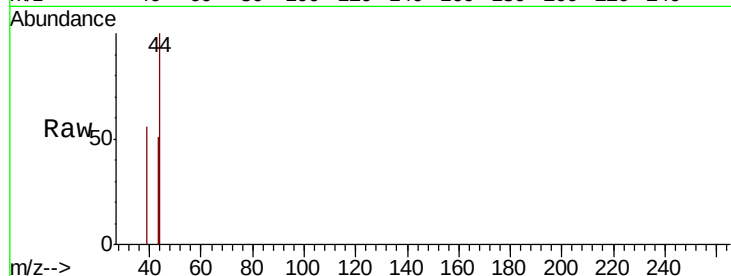




#74
N-amyl acetate
Concen: 1.469 ug/l
RT: 13.31 min Scan# 1207
Delta R.T. 0.05 min
Lab File: VD063237.D
Acq: 30 Jul 2019 13:10

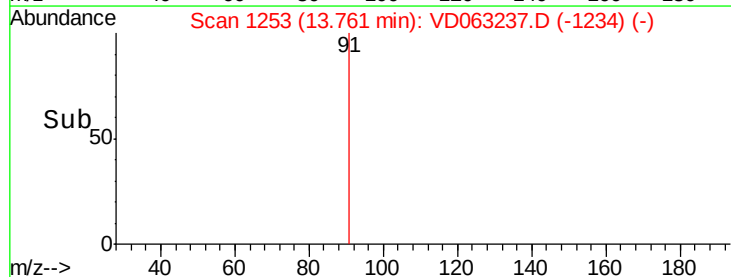
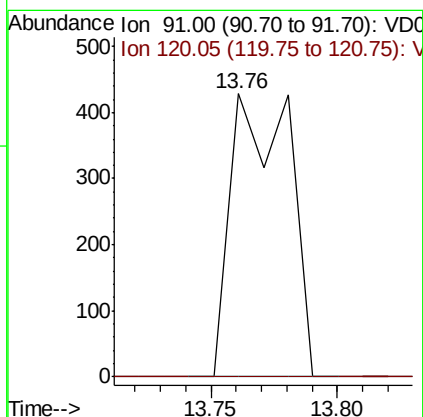
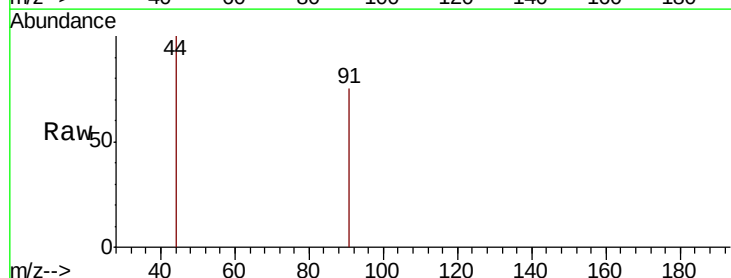
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-298-300

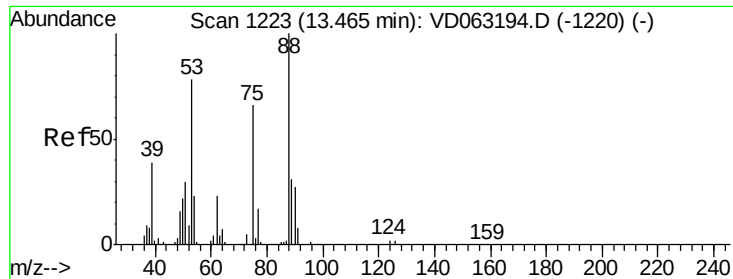
Tot Ion: 43 Resp: 213
Ion Ratio Lower Upper
43 100
70 0.0 20.2 30.4#
55 0.0 14.9 22.3#
61 0.0 17.9 26.9#



#78
n-propylbenzene
Concen: 1.059 ug/l
RT: 13.76 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD063237.D
Acq: 30 Jul 2019 13:10

Tgt Ion: 91 Resp: 691
Ion Ratio Lower Upper
91 100
120 0.0 10.7 32.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 105.213 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

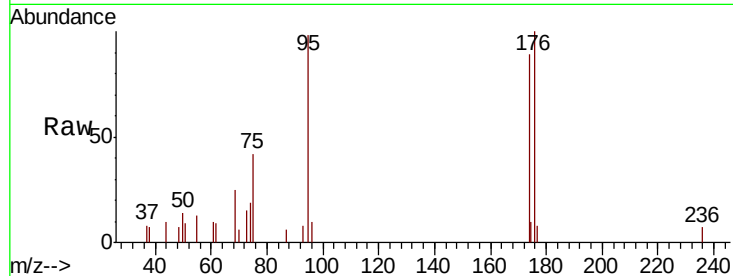
Tot Ion: 75 Resp: 3067

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

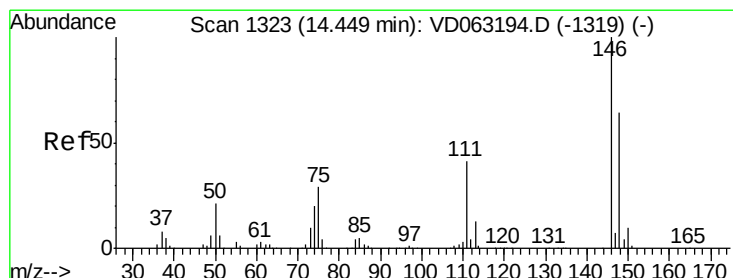
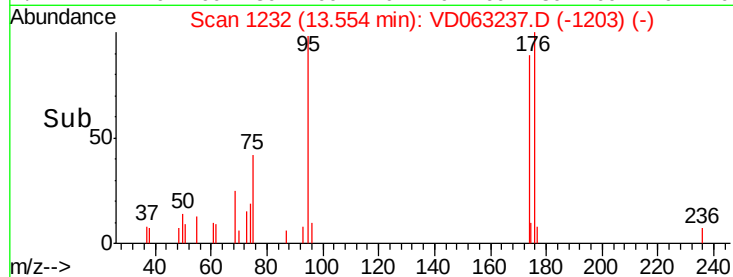
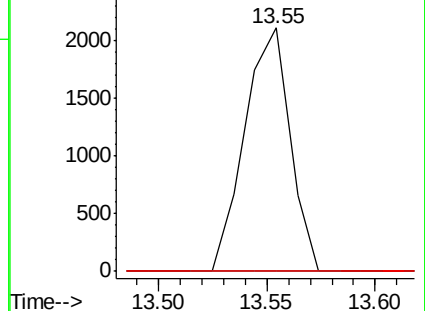
89 0.0 37.4 56.0#



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



#87

1,3-Dichlorobenzene

Concen: 1.279 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VD063237.D

Acq: 30 Jul 2019 13:10

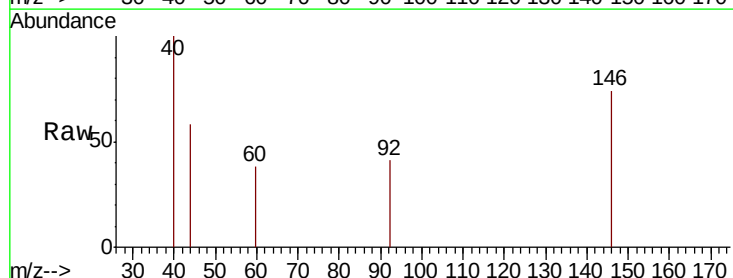
Tgt Ion: 146 Resp: 354

Ion Ratio Lower Upper

146 100

111 0.0 20.4 61.3#

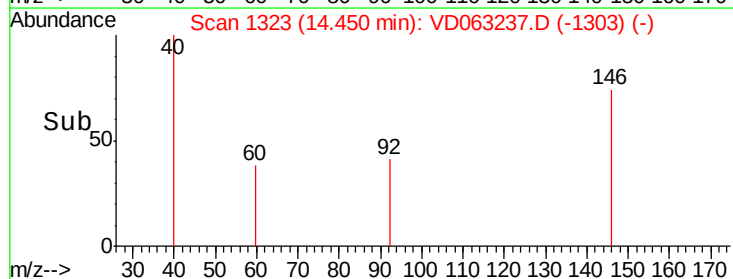
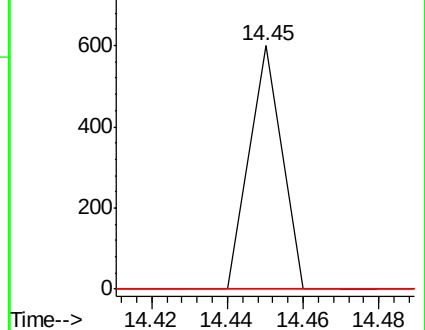
148 0.0 31.8 95.4#

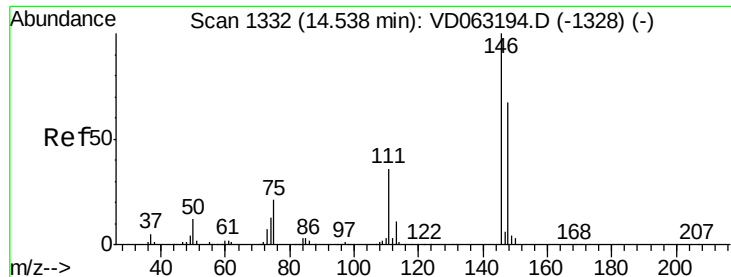


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

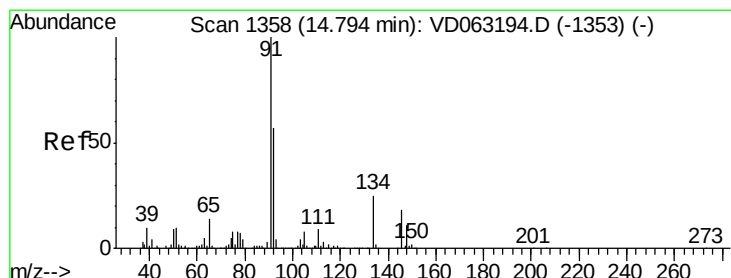
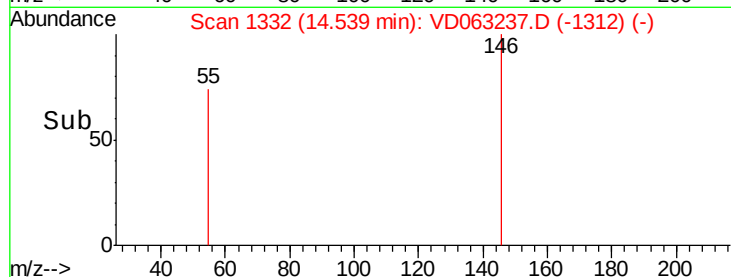
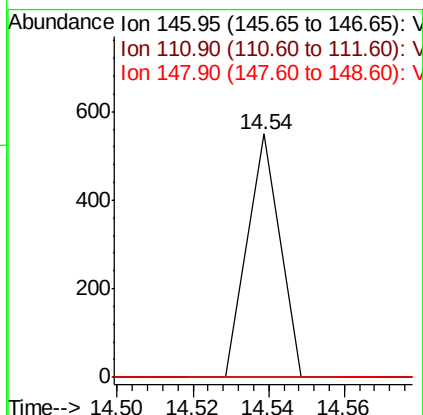
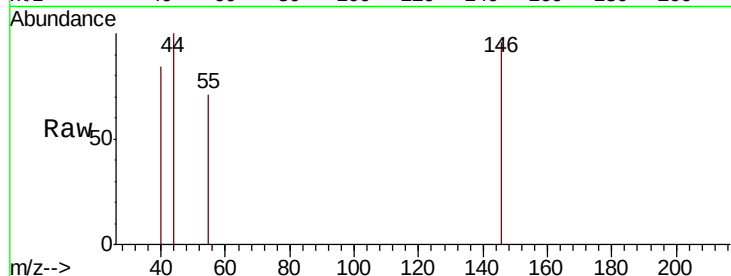




#88
 1,4-Dichlorobenzene
 Concen: 1.161 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063237.D
 Acq: 30 Jul 2019 13:10

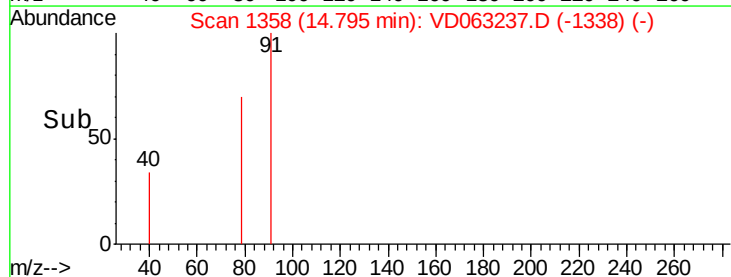
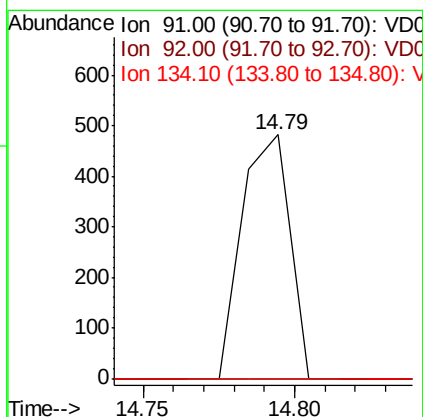
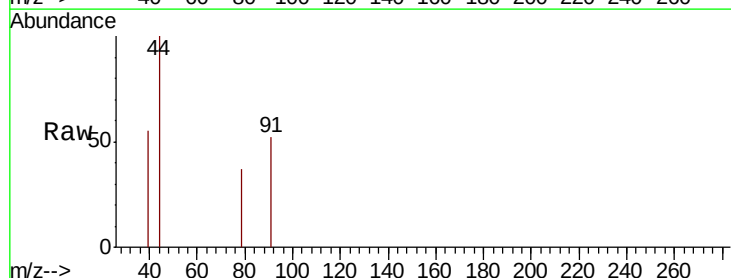
Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB203-GW-298-300

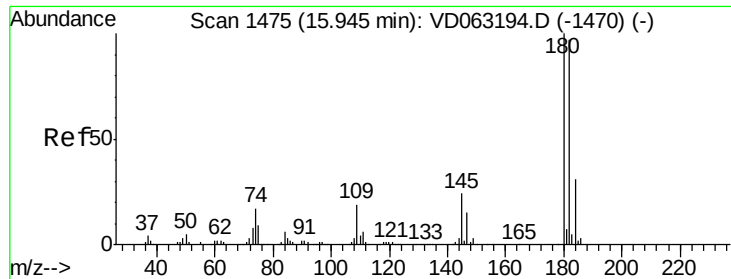
Tot Ion:146 Resp: 325
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.1 54.3#
 148 0.0 33.4 100.1#



#89
 n-Butylbenzene
 Concen: 1.127 ug/l
 RT: 14.79 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD063237.D
 Acq: 30 Jul 2019 13:10

Tgt Ion: 91 Resp: 529
 Ion Ratio Lower Upper
 91 100
 92 0.0 28.3 85.0#
 134 0.0 12.3 36.8#

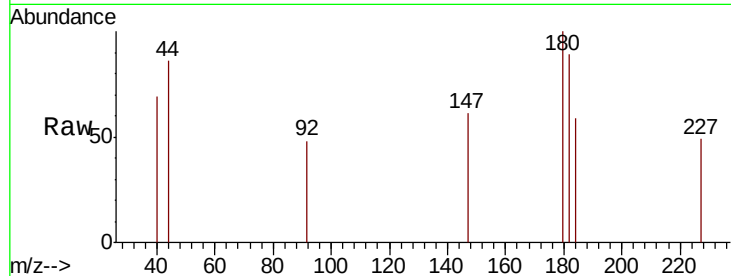




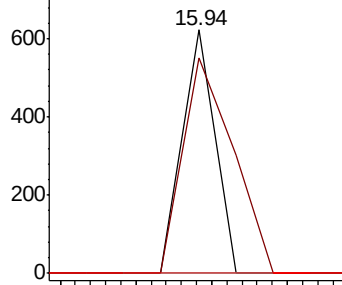
#93
 1,2,4-Trichlorobenzene
 Concen: 1.924 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063237.D
 Acq: 30 Jul 2019 13:10

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB203-GW-298-300

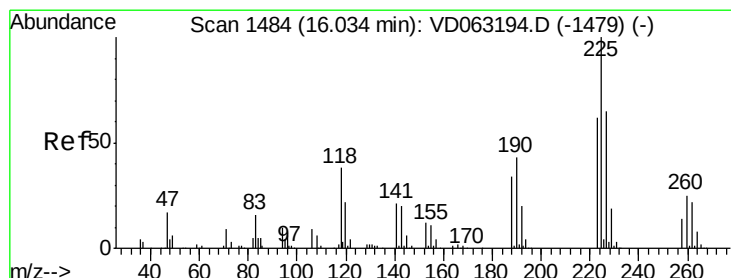
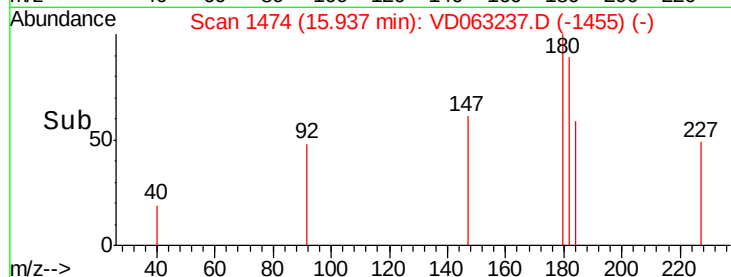
Tot Ion:180 Resp: 368
 Ion Ratio Lower Upper
 180 100
 182 88.6 48.6 145.8
 145 0.0 12.2 36.6#



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

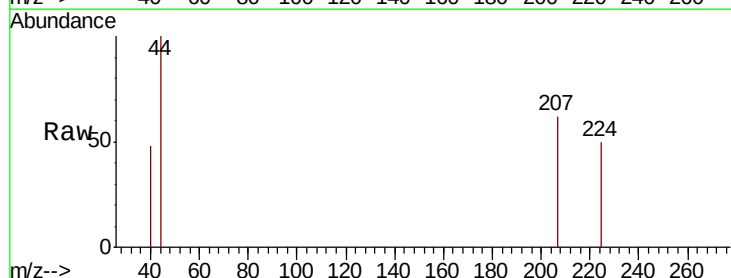


Time--> 15.90 15.92 15.94 15.96

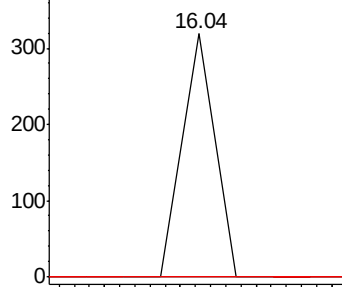


#94
 Hexachlorobutadiene
 Concen: 1.356 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063237.D
 Acq: 30 Jul 2019 13:10

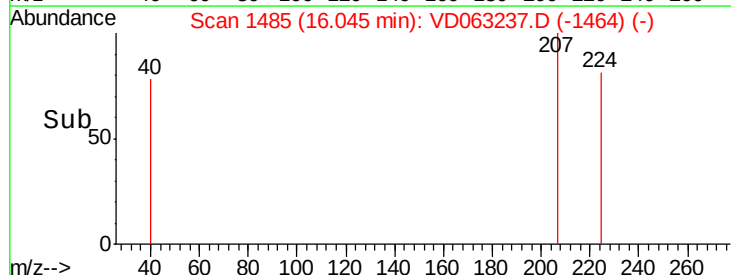
Tgt Ion:225 Resp: 188
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.9 92.5#
 227 0.0 32.6 97.7#

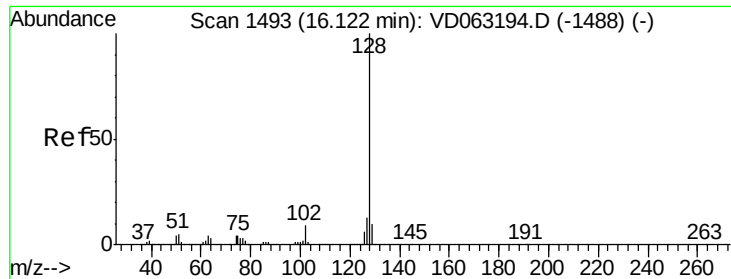


Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V



Time--> 16.02 16.04 16.06





#95

Naphthalene

Concen: 6.266 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD063237.D

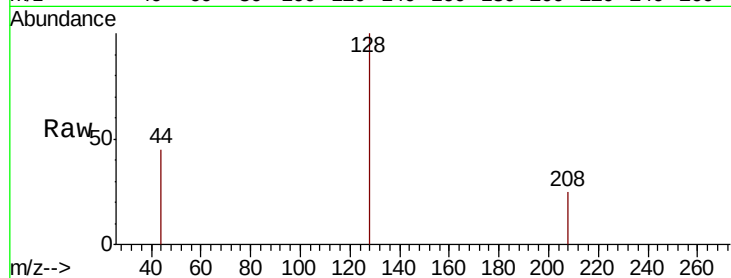
Acq: 30 Jul 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300



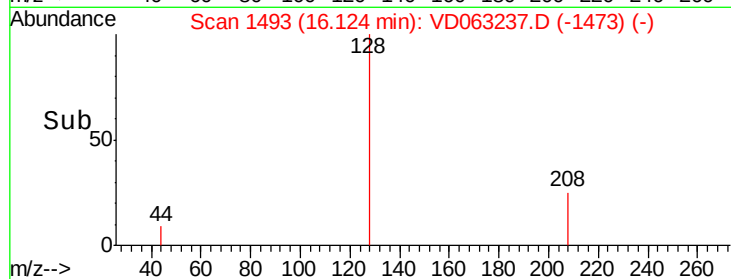
Tot Ion:128 Resp: 1694

Ion Ratio Lower Upper

128 100

127 0.0 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

