

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063247.D
 Acq On : 30 Jul 2019 17:43
 Operator : VA/AP
 Sample : K4043-14
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Jul 31 04:56:45 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	11253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	16612	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	11950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	3615	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	8726	69.88	ug/l	0.00
Spiked Amount			Recovery	=	139.76%	
35) Dibromofluoromethane	6.91	113	7065	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
50) Toluene-d8	10.41	98	11540	36.36	ug/l	0.00
Spiked Amount			Recovery	=	72.72%	
62) 4-Bromofluorobenzene	13.55	95	4684	32.38	ug/l	0.00
Spiked Amount			Recovery	=	64.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.76	50	656	6.138	ug/l #	46
4) Vinyl Chloride	1.84	62	186	1.681	ug/l #	45
5) Bromomethane	2.16	94	2880	51.615	ug/l #	12
6) Chloroethane	2.28	64	373	7.302	ug/l #	1
7) Trichlorofluoromethane	2.43	101	249	1.160	ug/l #	18
8) Diethyl Ether	2.95	74	745	24.802	ug/l	57
10) Methyl Iodide	3.33	142	667	3.883	ug/l #	27
11) Tert butyl alcohol	3.98	59	195	35.587	ug/l #	69
13) Acrolein	3.03	56	226	42.855	ug/l #	15
14) Allyl chloride	3.75	41	197	1.417	ug/l #	11
16) Acetone	3.21	43	2448	100.624	ug/l #	62
18) Methyl Acetate	3.47	43	209	4.472	ug/l #	60
20) Methylene Chloride	3.74	84	192	1.952	ug/l #	2
23) Vinyl Acetate	4.98	43	194	1.136	ug/l #	82
25) 2-Butanone	6.08	43	477	19.537	ug/l #	56
26) 2,2-Dichloropropane	5.94	77	212	1.159	ug/l #	56
28) Bromochloromethane	6.26	49	182	2.574	ug/l #	2
29) Tetrahydrofuran	6.27	42	192	16.610	ug/l #	33
36) 1,1-Dichloropropene	7.06	75	188	1.240	ug/l #	44
37) Ethyl Acetate	6.08	43	477	7.003	ug/l #	70
38) Carbon Tetrachloride	7.06	117	502	2.199	ug/l #	11
43) Isopropyl Acetate	9.29	43	189	2.172	ug/l #	49
48) Methyl methacrylate	9.17	41	196	3.474	ug/l #	14
51) 4-Methyl-2-Pentanone	10.39	43	187	3.160	ug/l #	42
59) 2-Hexanone	11.50	43	185	4.339	ug/l #	31
74) N-amyl acetate	13.35	43	301	5.018	ug/l #	53
79) 2-Chlorotoluene	13.77	91	251	1.604	ug/l #	39
81) trans-1,4-Dichloro-2-buten	13.55	75	1669	138.425	ug/l #	3
84) 1,2,4-Trimethylbenzene	14.23	105	238	1.176	ug/l #	34
85) sec-Butylbenzene	14.23	105	238	1.011	ug/l #	61
89) n-Butylbenzene	14.80	91	207	1.067	ug/l #	31
93) 1,2,4-Trichlorobenzene	15.93	180	242	3.059	ug/l #	11
95) Naphthalene	16.12	128	194	1.735	ug/l #	70

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QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

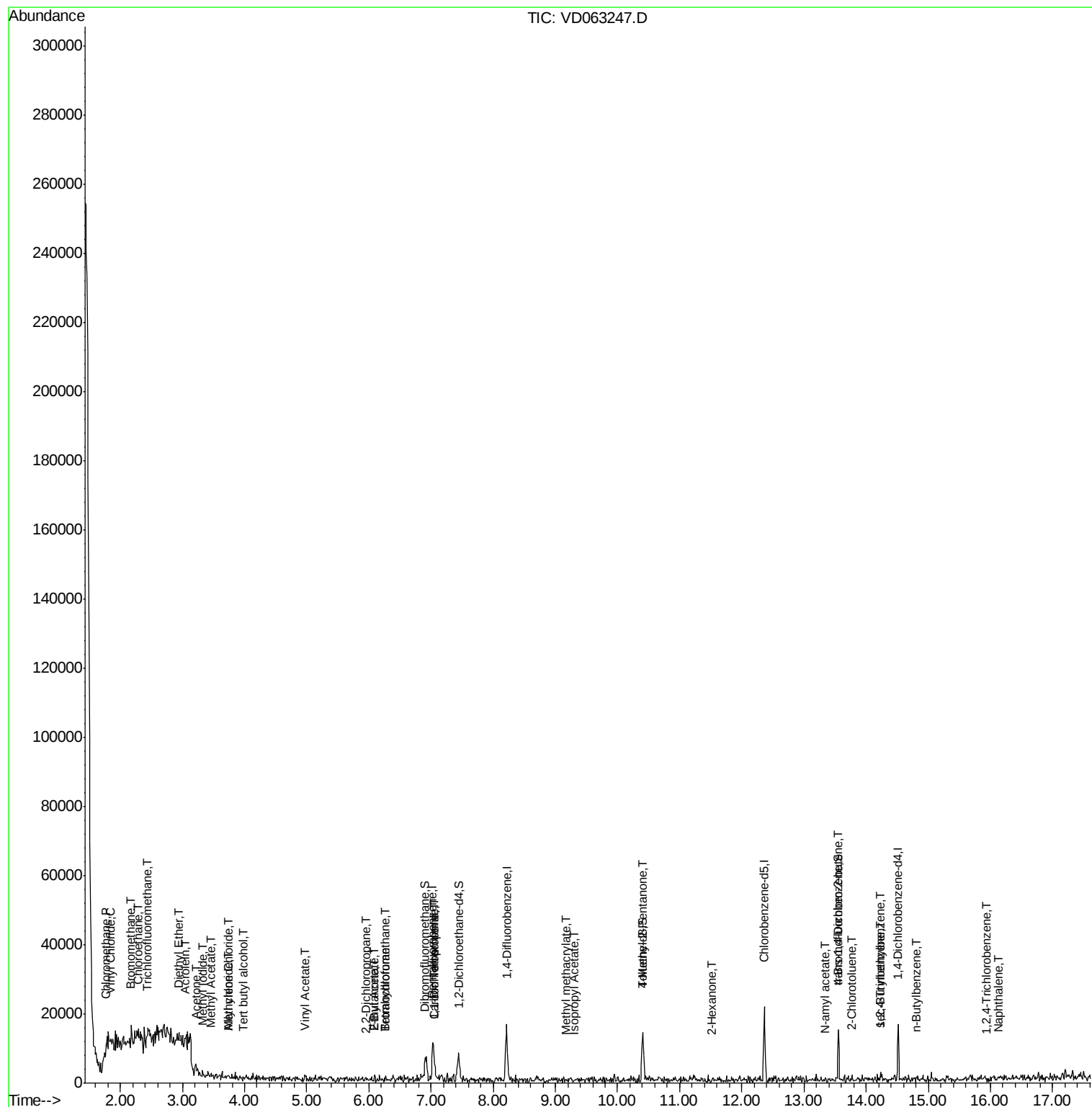
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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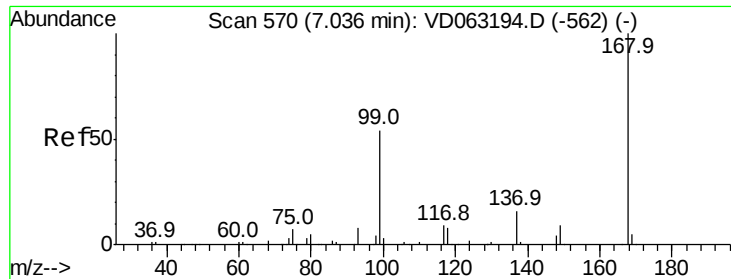
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073019\
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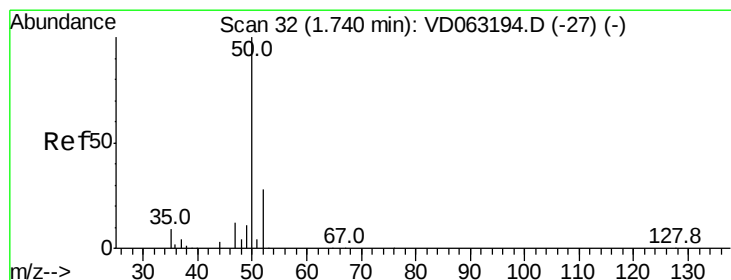
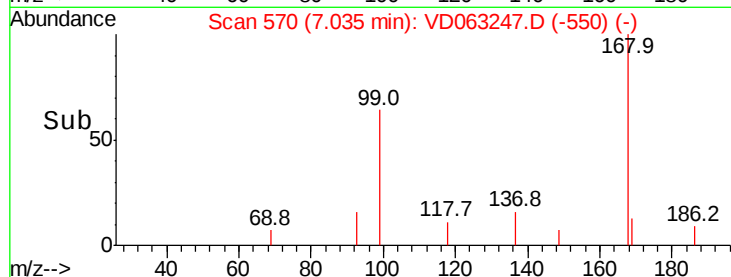
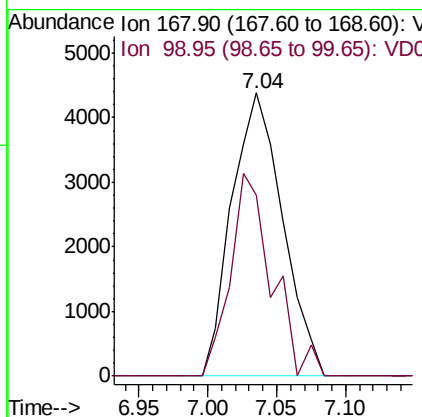
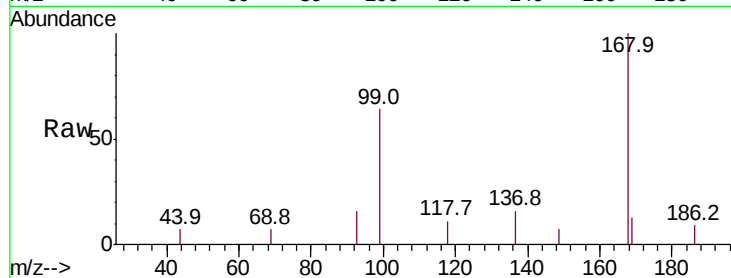




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.00 min
Lab File: VD063247.D
Acq: 30 Jul 2019 17:43

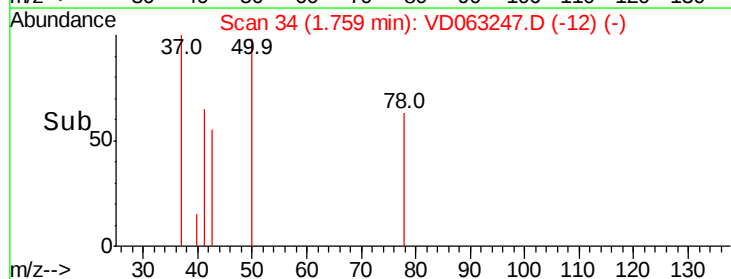
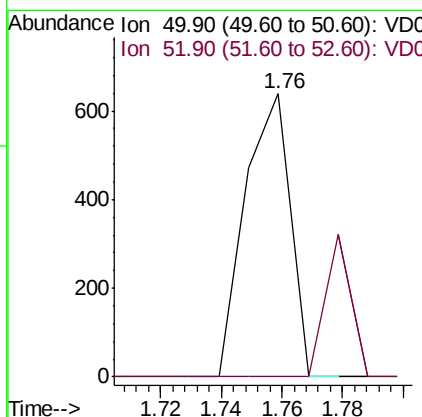
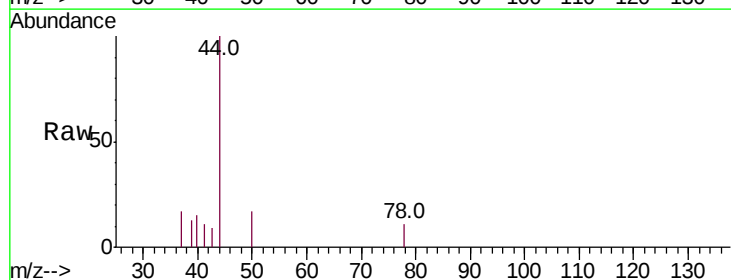
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-298-300

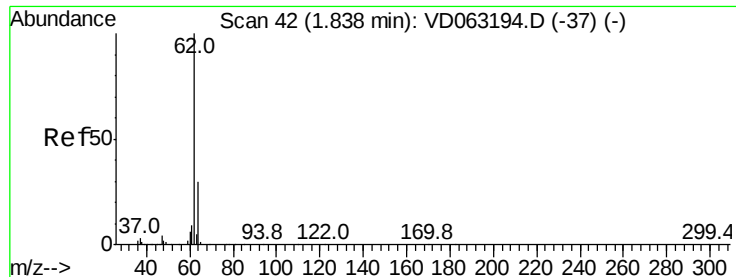
Tot Ion:168 Resp: 11253
Ion Ratio Lower Upper
168 100
99 64.1 43.7 65.5



#3
Chloromethane
Concen: 6.138 ug/l
RT: 1.76 min Scan# 34
Delta R.T. 0.02 min
Lab File: VD063247.D
Acq: 30 Jul 2019 17:43

Tgt Ion: 50 Resp: 656
Ion Ratio Lower Upper
50 100
52 0.0 22.6 34.0#





#4

Vinyl Chloride

Concen: 1.681 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

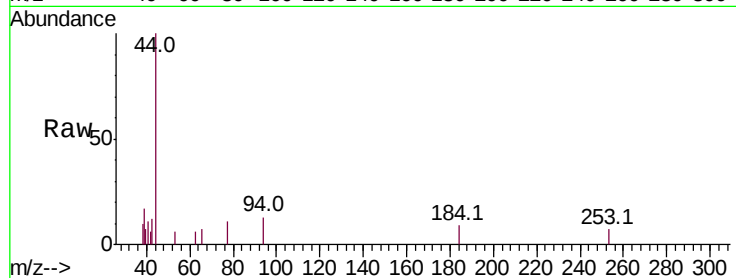
BP-VPB203-GW-298-300

Tot Ion: 62 Resp: 186

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

1.84

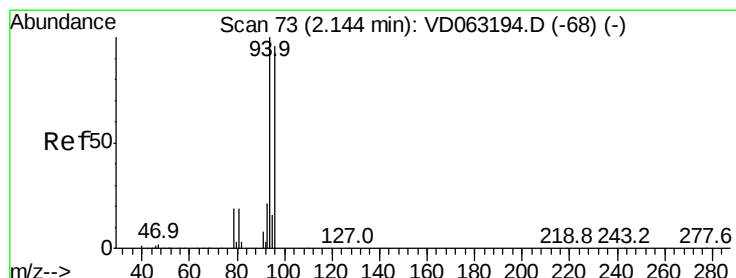
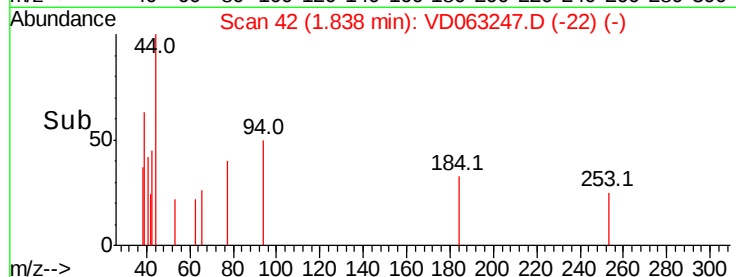
300

200

100

0

Time--> 1.80 1.82 1.84 1.86



#5

Bromomethane

Concen: 51.615 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

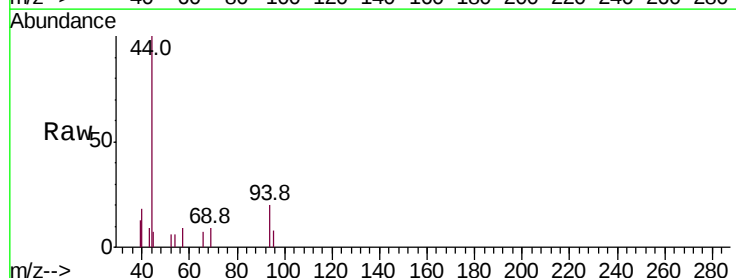
Tgt Ion: 94 Resp: 2880

Ion Ratio Lower Upper

94 100

96 0.0 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

1200

1000

800

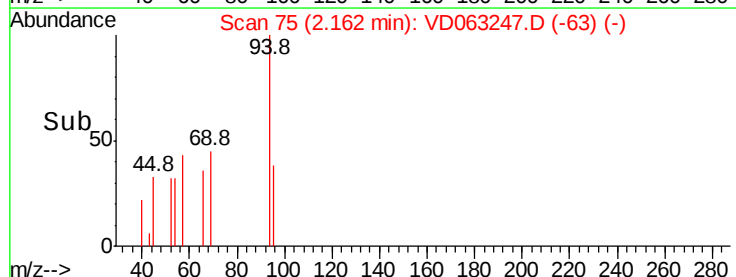
600

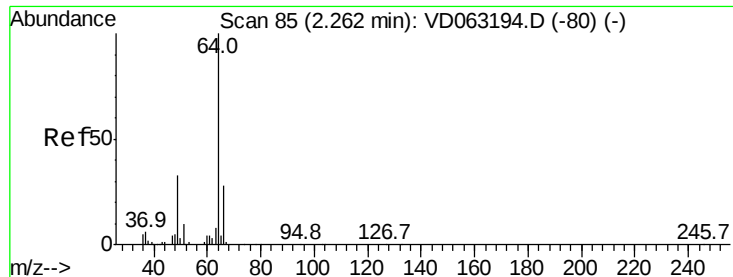
400

200

0

Time--> 2.10 2.15 2.20





#6

Chloroethane

Concen: 7.302 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.02 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

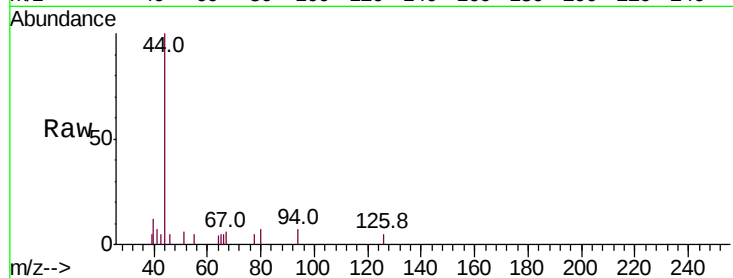
BP-VPB203-GW-298-300

Tot Ion: 64 Resp: 373

Ion Ratio Lower Upper

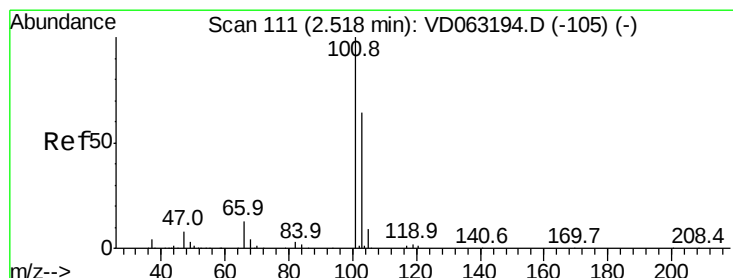
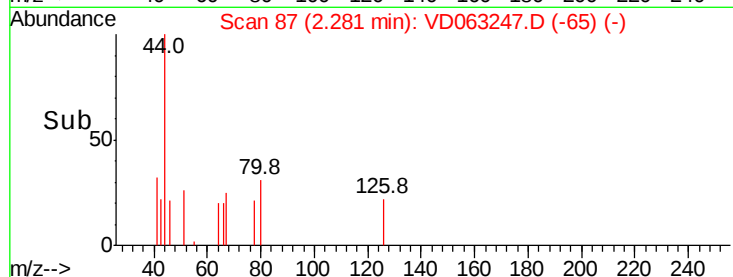
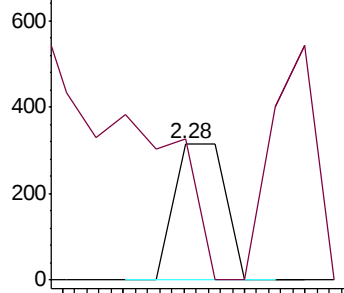
64 100

66 103.2 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#7

Trichlorofluoromethane

Concen: 1.160 ug/l

RT: 2.43 min Scan# 102

Delta R.T. -0.09 min

Lab File: VD063247.D

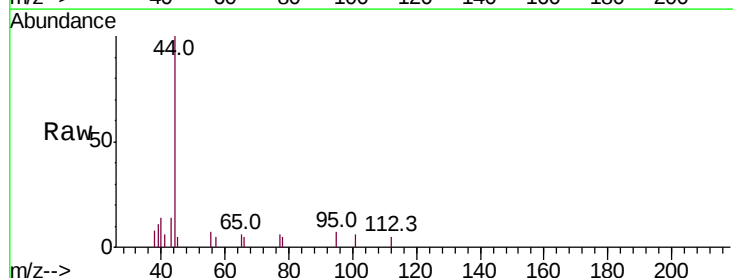
Acq: 30 Jul 2019 17:43

Tgt Ion: 101 Resp: 249

Ion Ratio Lower Upper

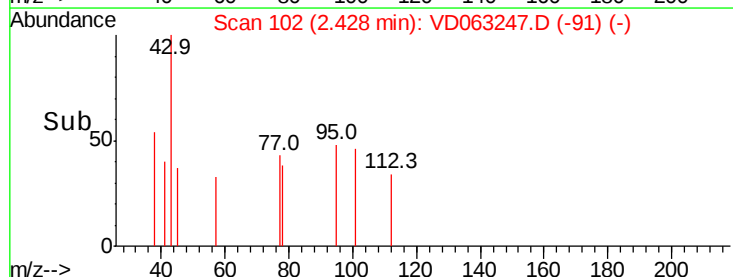
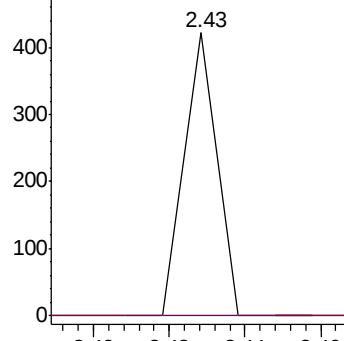
101 100

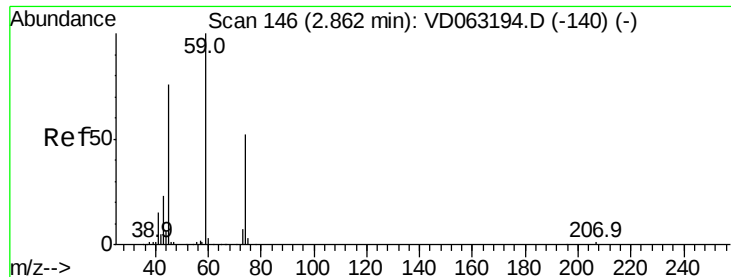
103 0.0 51.5 77.3#



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V





#8

Diethyl Ether

Concen: 24.802 ug/l

RT: 2.95 min Scan# 155

Delta R.T. 0.09 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

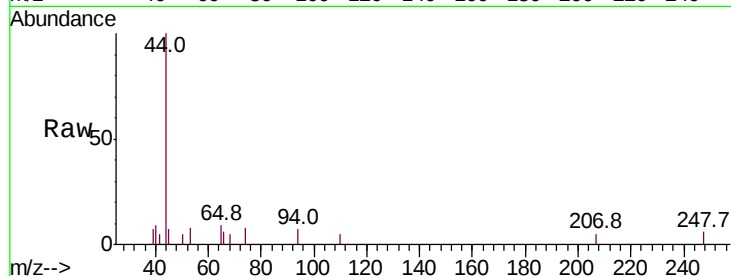
BP-VPB203-GW-298-300

Tot Ion: 74 Resp: 745

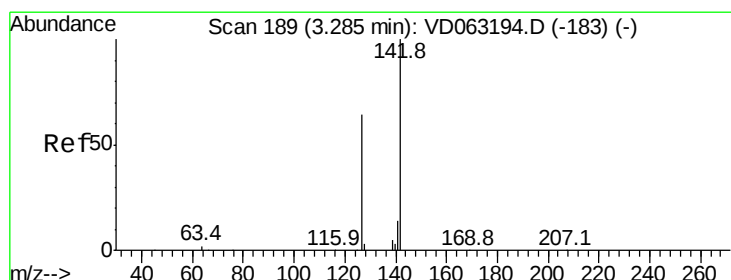
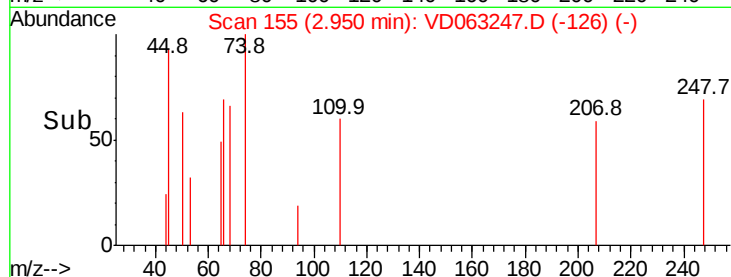
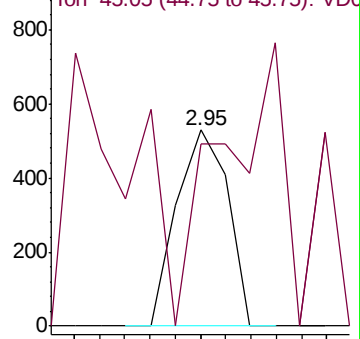
Ion Ratio Lower Upper

74 100

45 93.2 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC



#10

Methyl Iodide

Concen: 3.883 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.05 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

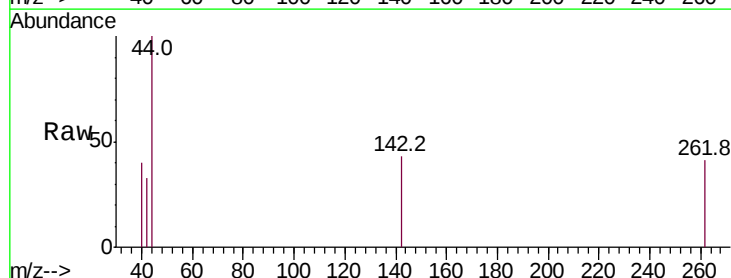
Tgt Ion: 142 Resp: 667

Ion Ratio Lower Upper

142 100

127 0.0 50.8 76.2#

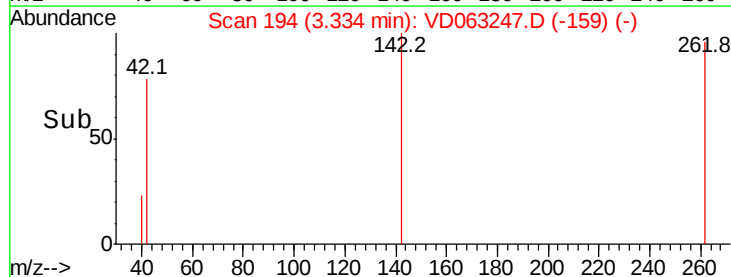
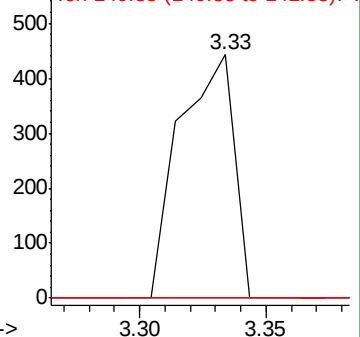
141 0.0 11.4 17.2#

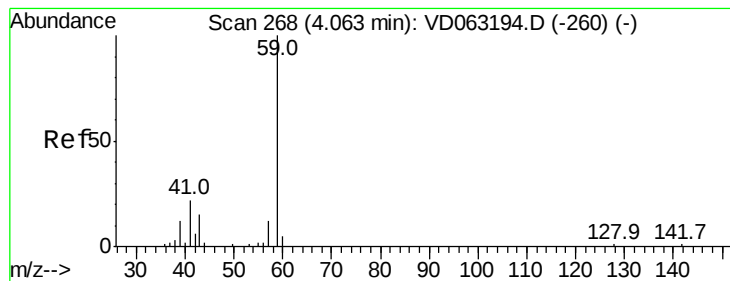


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



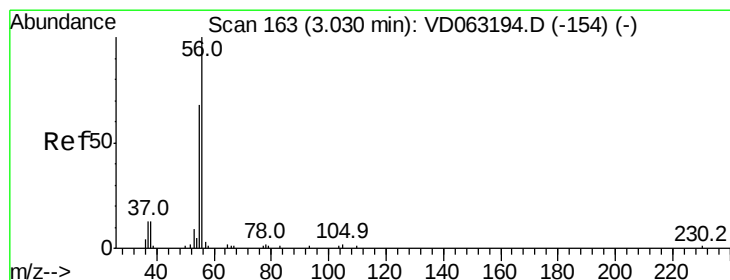
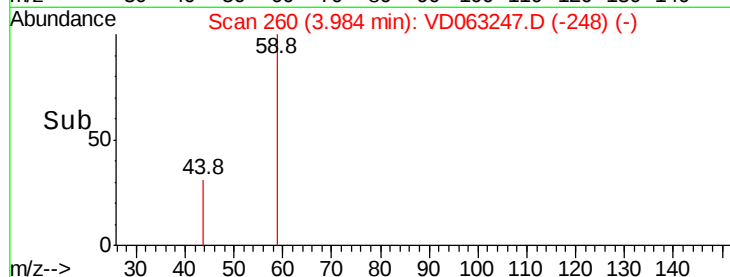
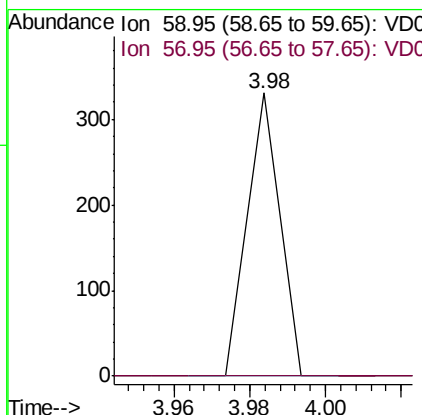
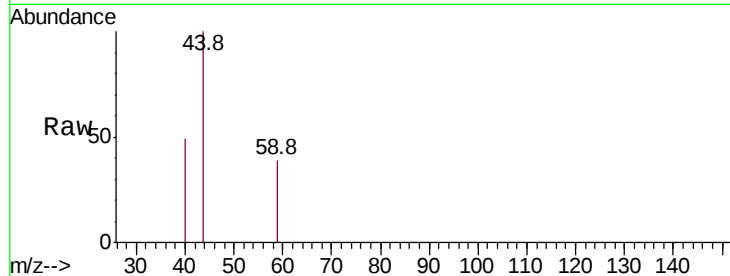


#11

Tert butyl alcohol
 Concen: 35.587 ug/l
 RT: 3.98 min Scan# 260
 Delta R.T. -0.08 min
 Lab File: VD063247.D
 Acq: 30 Jul 2019 17:43

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

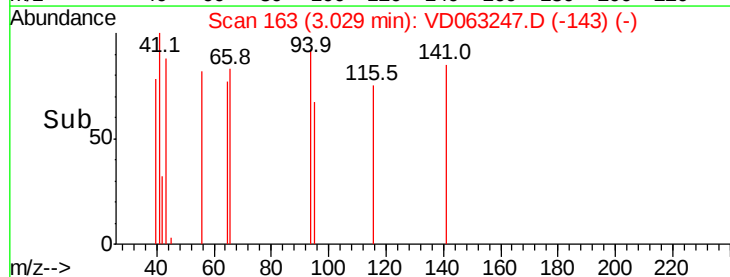
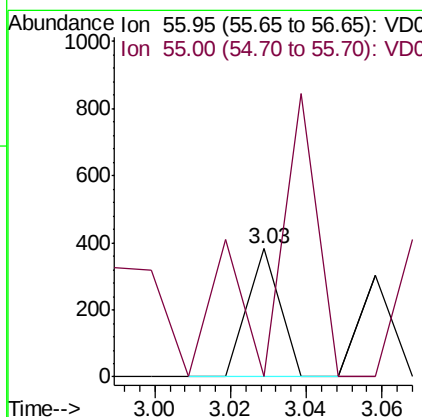
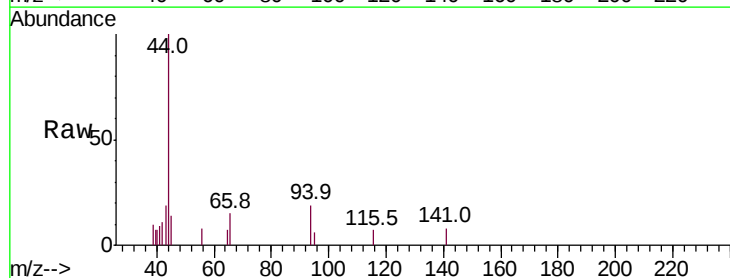
Tot Ion: 59 Resp: 195
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.6 14.4#

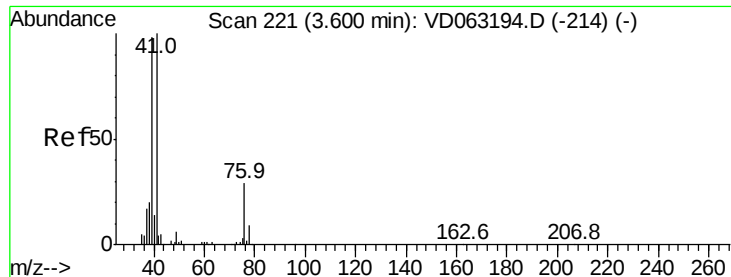


#13

Acrolein
 Concen: 42.855 ug/l
 RT: 3.03 min Scan# 163
 Delta R.T. -0.00 min
 Lab File: VD063247.D
 Acq: 30 Jul 2019 17:43

Tgt Ion: 56 Resp: 226
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.3 82.9#

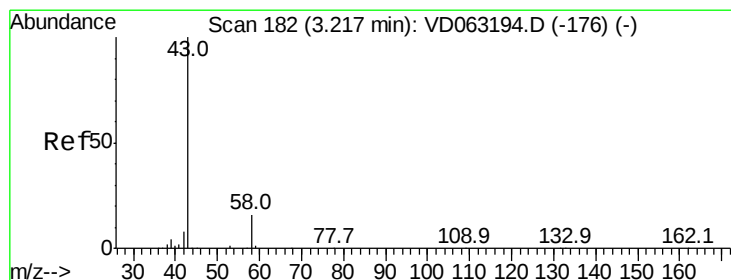
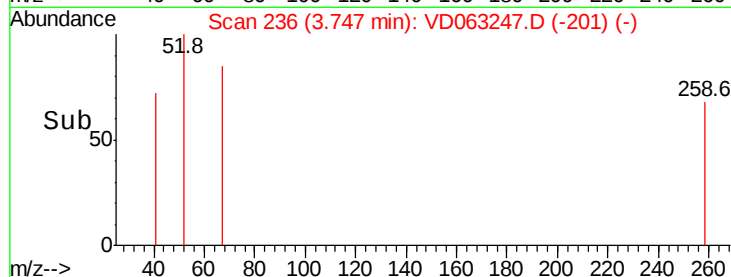
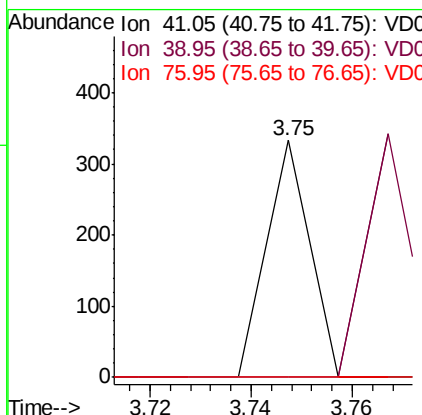
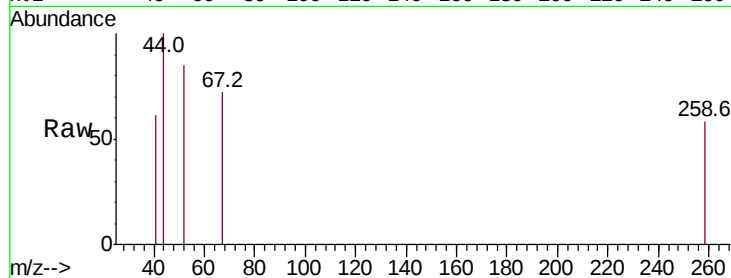




#14
Allvl chloride
Concen: 1.417 ug/l
RT: 3.75 min Scan# 236
Delta R.T. 0.15 min
Lab File: VD063247.D
Acq: 30 Jul 2019 17:43

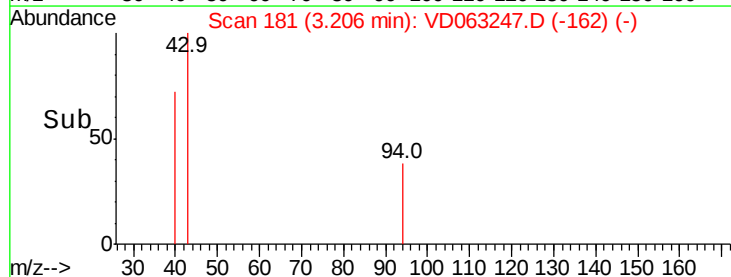
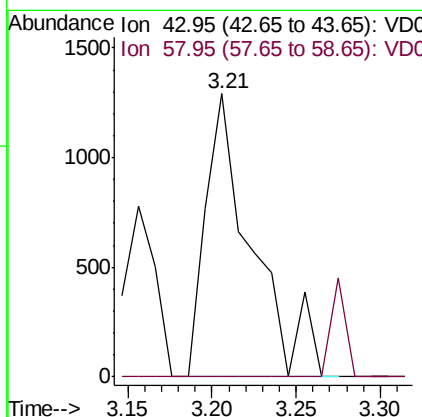
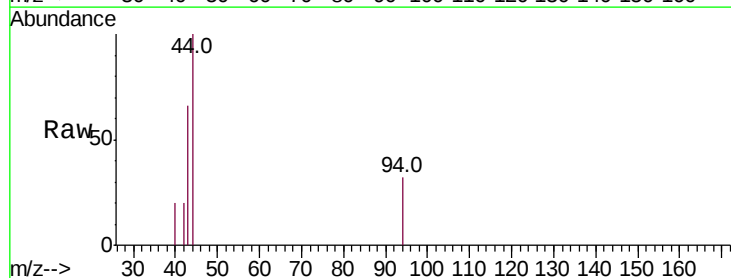
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-298-300

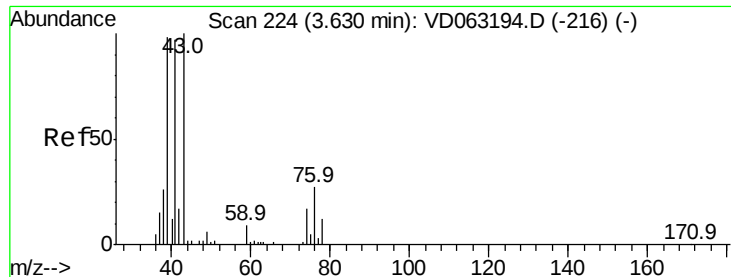
Tot Ion: 41 Resp: 197
Ion Ratio Lower Upper
41 100
39 0.0 78.6 117.8#
76 0.0 24.5 36.7#



#16
Acetone
Concen: 100.624 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.01 min
Lab File: VD063247.D
Acq: 30 Jul 2019 17:43

Tgt Ion: 43 Resp: 2448
Ion Ratio Lower Upper
43 100
58 0.0 13.0 19.4#





#18

Methyl Acetate

Concen: 4.472 ug/l

RT: 3.47 min Scan# 208

Delta R.T. -0.16 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

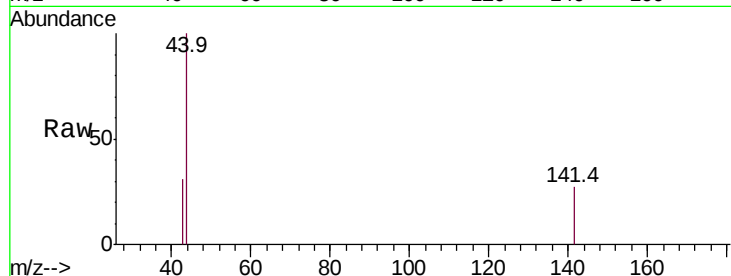
BP-VPB203-GW-298-300

Tot Ion: 43 Resp: 209

Ion Ratio Lower Upper

43 100

74 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

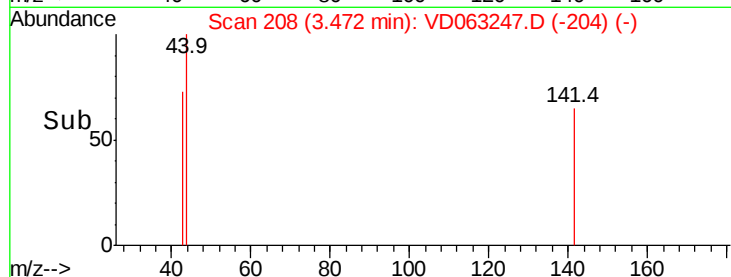
Ion 74.00 (73.70 to 74.70): VDC

3.47

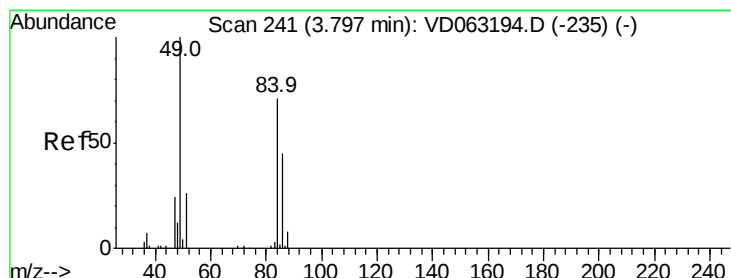
3.46

3.48

3.50



Time-->



#20

Methylene Chloride

Concen: 1.952 ug/l

RT: 3.74 min Scan# 235

Delta R.T. -0.06 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Tgt Ion: 84 Resp: 192

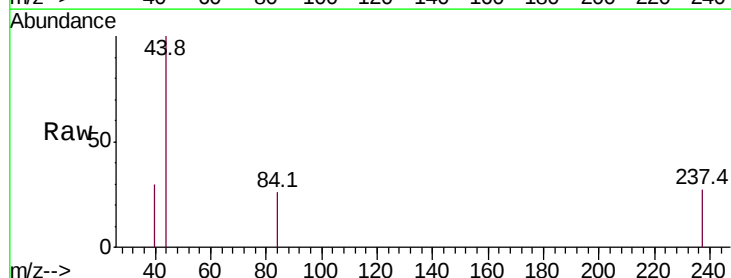
Ion Ratio Lower Upper

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

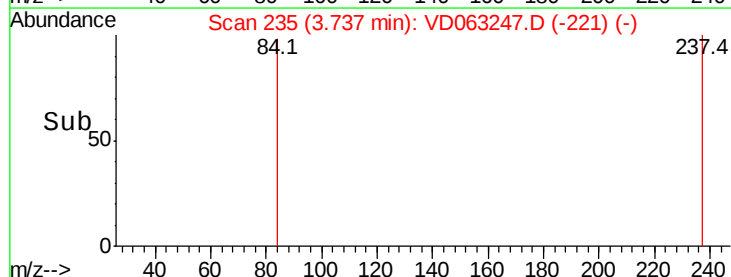
3.74

3.70

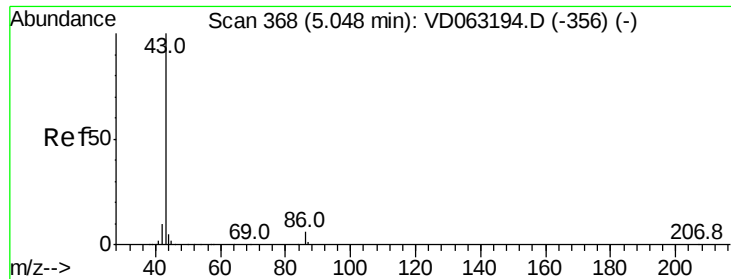
3.72

3.74

3.76



Time-->



#23

Vinyl Acetate

Concen: 1.136 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.07 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

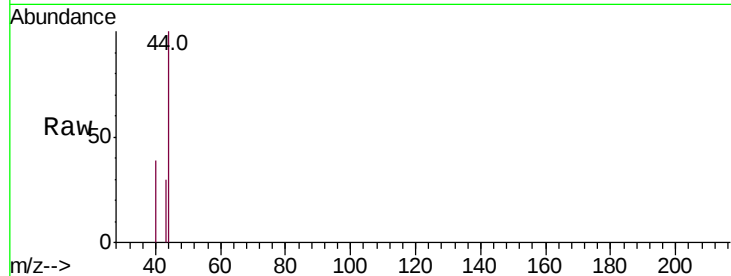
BP-VPB203-GW-298-300

Tot Ion: 43 Resp: 194

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

4.98

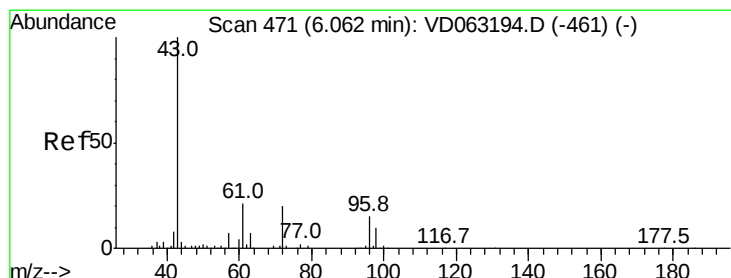
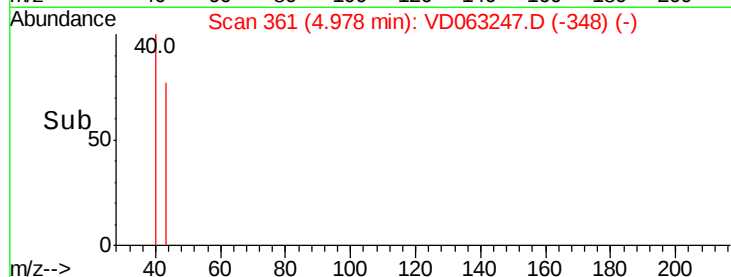
300

200

100

0

Time--> 4.94 4.96 4.98 5.00



#25

2-Butanone

Concen: 19.537 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063247.D

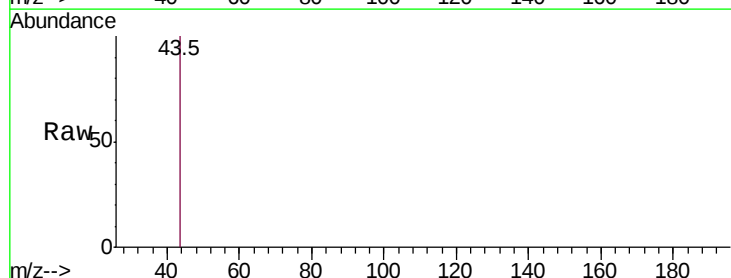
Acq: 30 Jul 2019 17:43

Tgt Ion: 43 Resp: 477

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

6.08

500

400

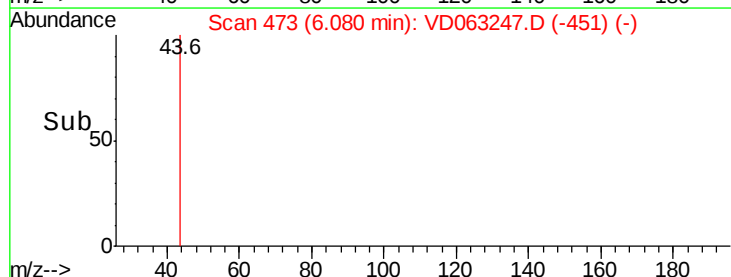
300

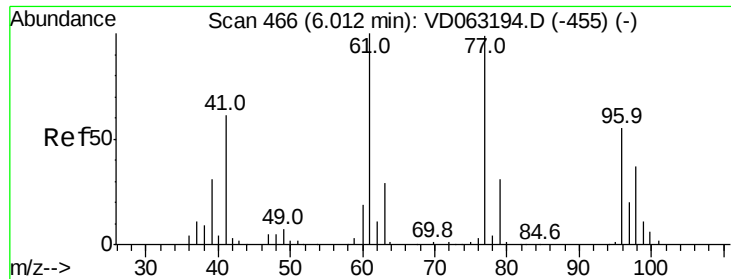
200

100

0

Time--> 6.06 6.08 6.10 6.12





#26

2,2-Dichloropropane

Concen: 1.159 ug/l

RT: 5.94 min Scan# 459

Delta R.T. -0.07 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

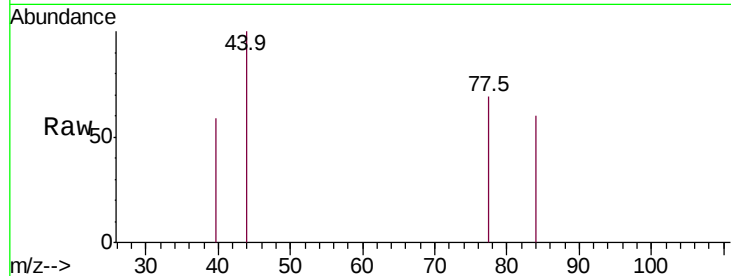
BP-VPB203-GW-298-300

Tot Ion: 77 Resp: 212

Ion Ratio Lower Upper

77 100

97 0.0 10.2 30.6#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

5.94

400

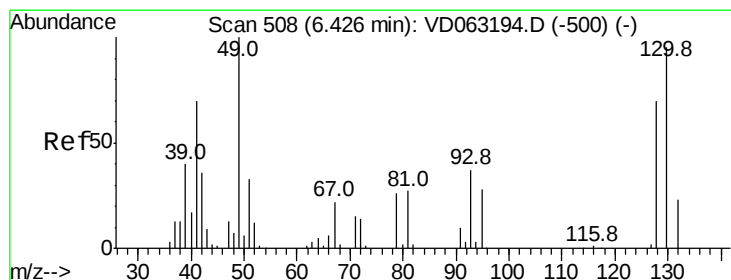
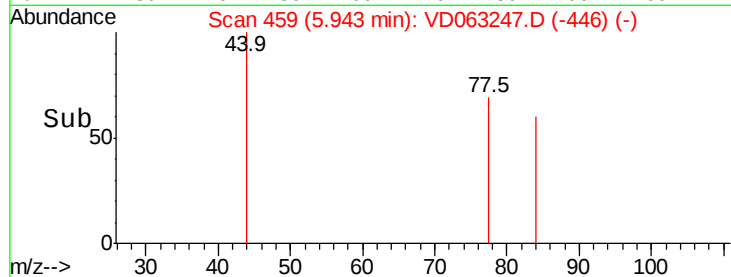
300

200

100

0

Time-->



#28

Bromochloromethane

Concen: 2.574 ug/l

RT: 6.26 min Scan# 491

Delta R.T. -0.17 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

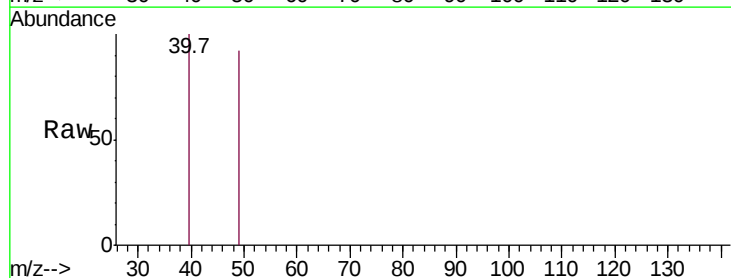
Tgt Ion: 49 Resp: 182

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

400

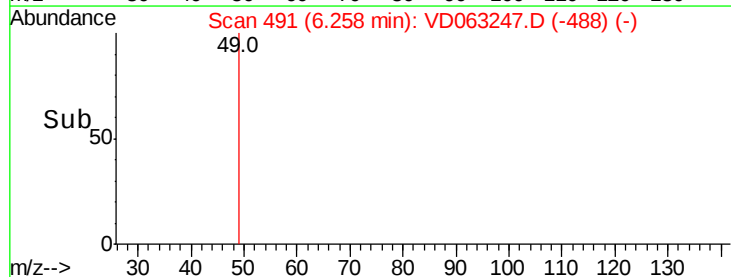
300

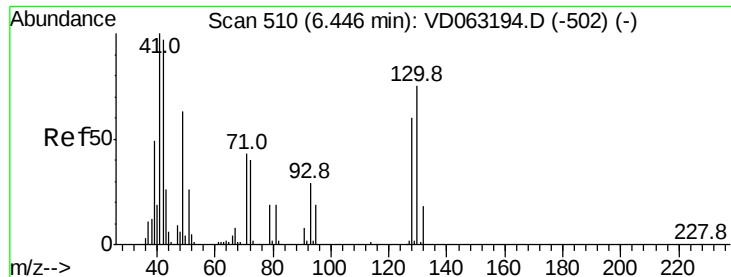
200

100

0

Time-->





#29

Tetrahydrofuran

Concen: 16.610 ug/l

RT: 6.27 min Scan# 492

Delta R.T. -0.18 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

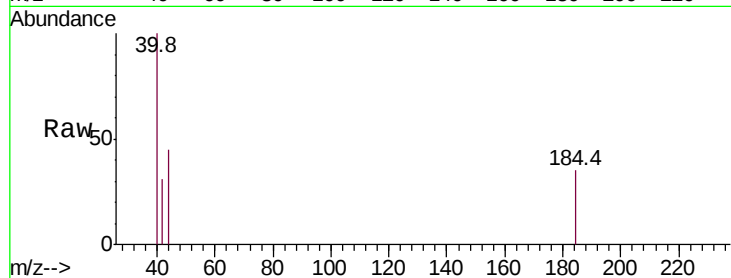
Tot Ion: 42 Resp: 192

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.2#

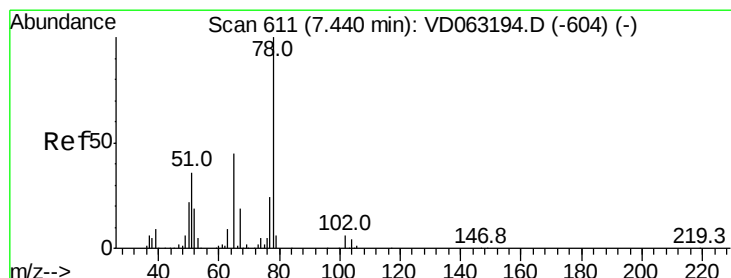
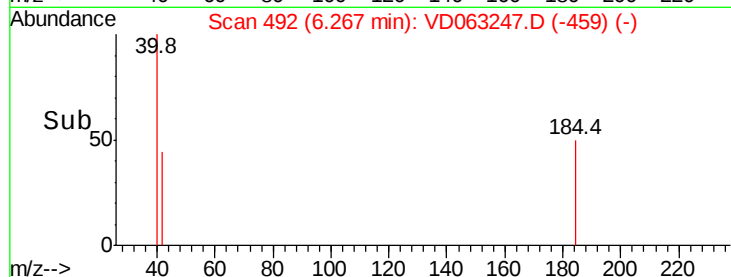
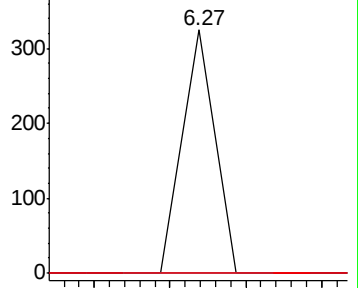
71 0.0 35.7 53.5#



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



#33

1,2-Dichloroethane-d4

Concen: 69.885 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD063247.D

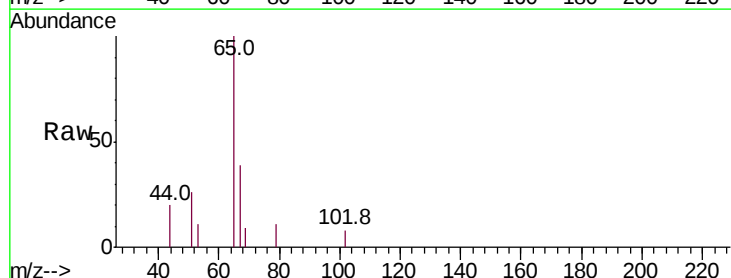
Acq: 30 Jul 2019 17:43

Tgt Ion: 65 Resp: 8726

Ion Ratio Lower Upper

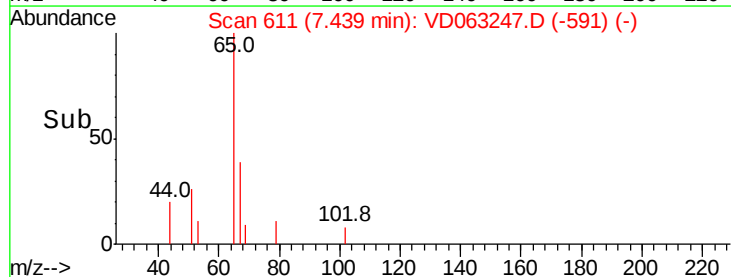
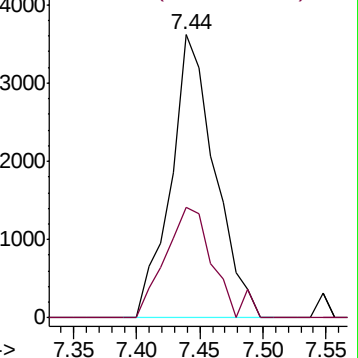
65 100

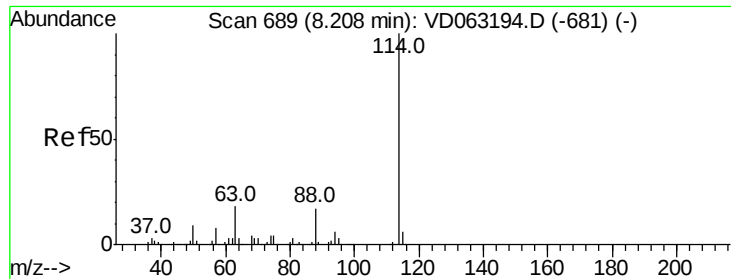
67 38.9 0.0 85.8



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: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

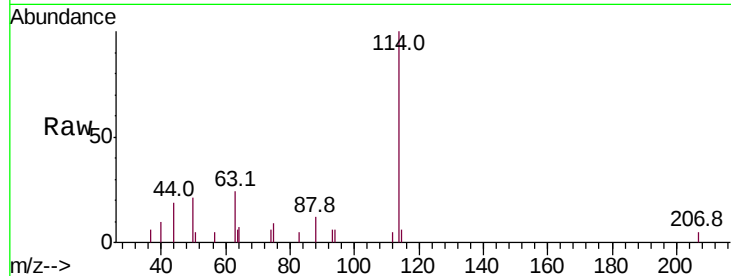
Tot Ion:114 Resp: 16612

Ion Ratio Lower Upper

114 100

63 24.5 0.0 35.2

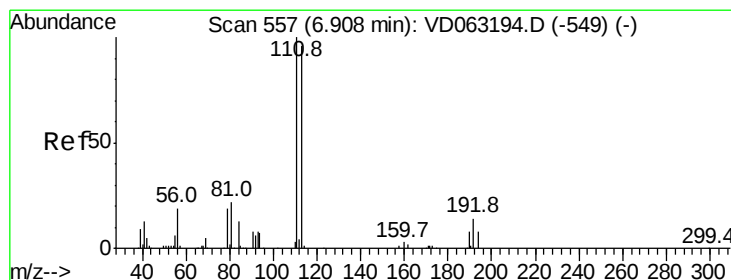
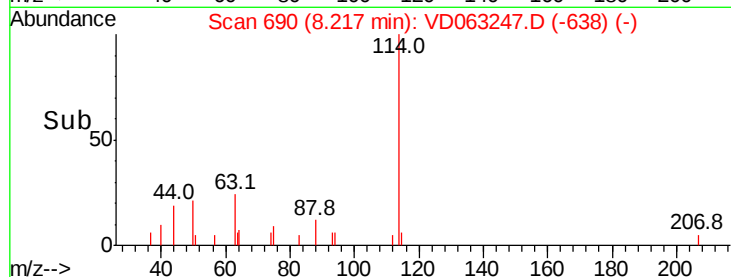
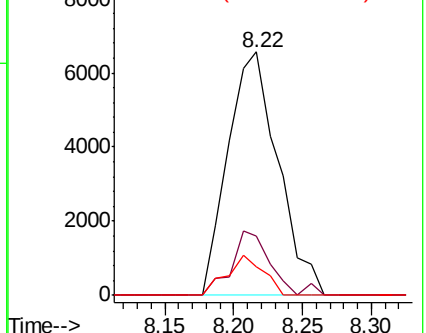
88 11.6 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 49.813 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

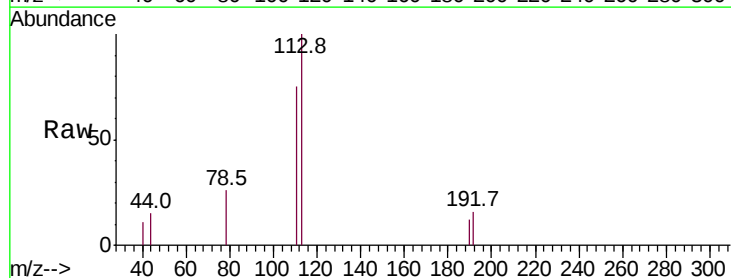
Tgt Ion:113 Resp: 7065

Ion Ratio Lower Upper

113 100

111 75.1 83.2 124.8#

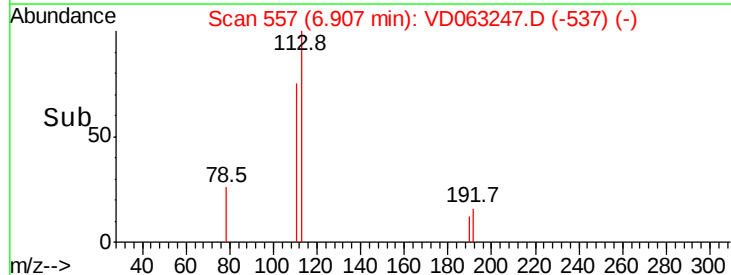
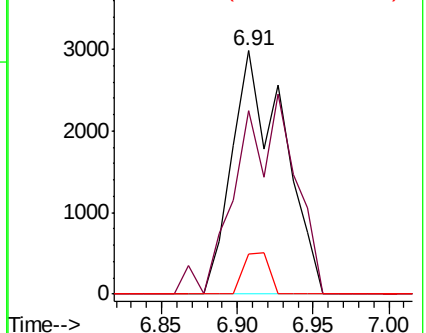
192 16.4 11.8 17.8

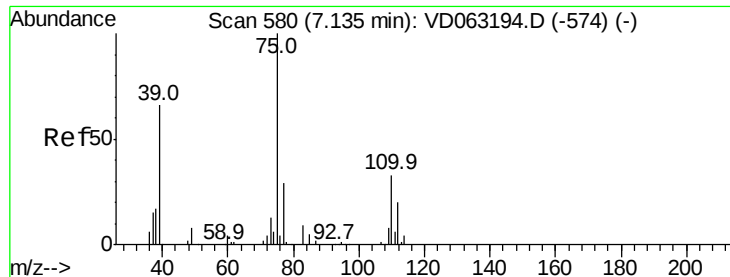


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 1.240 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.07 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

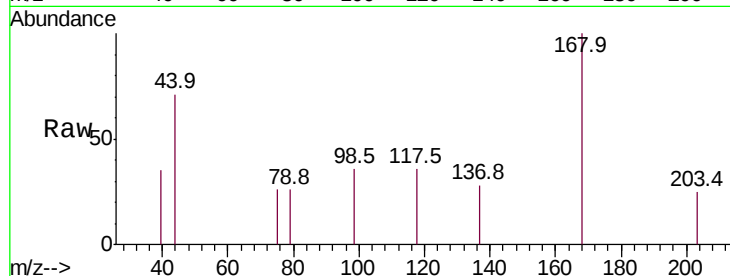
Tot Ion: 75 Resp: 188

Ion Ratio Lower Upper

75 100

110 0.0 16.1 48.2#

77 0.0 22.7 34.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC

7.06

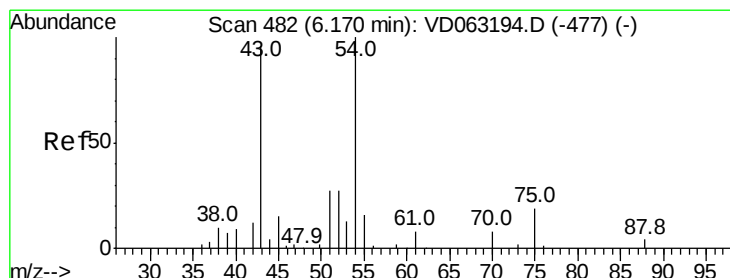
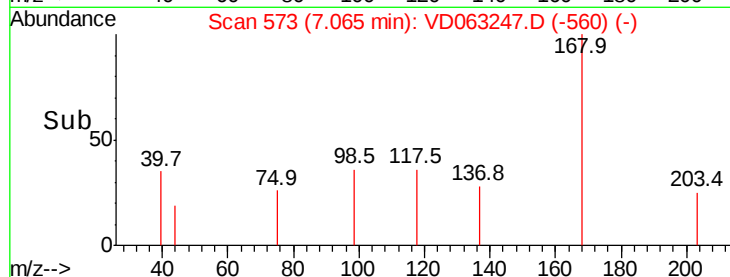
300

200

100

0

Time-->



#37

Ethyl Acetate

Concen: 7.003 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.09 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

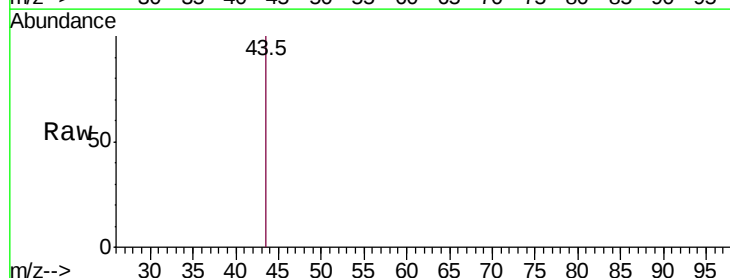
Tgt Ion: 43 Resp: 477

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

6.08

500

400

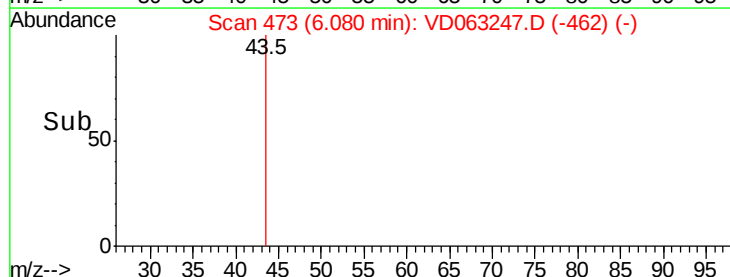
300

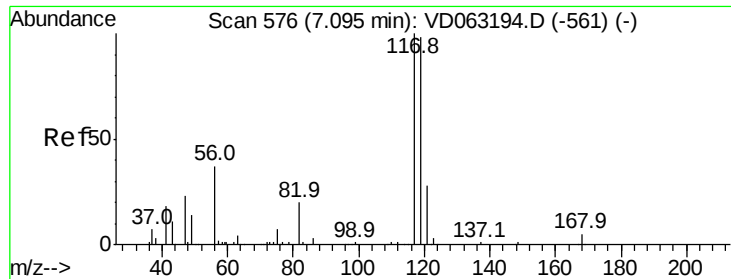
200

100

0

Time-->





#38

Carbon Tetrachloride

Concen: 2.199 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

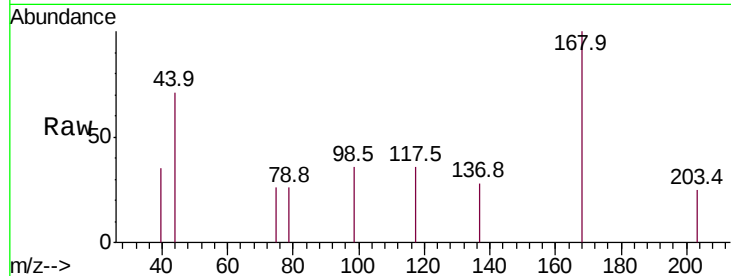
Tot Ion:117 Resp: 502

Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

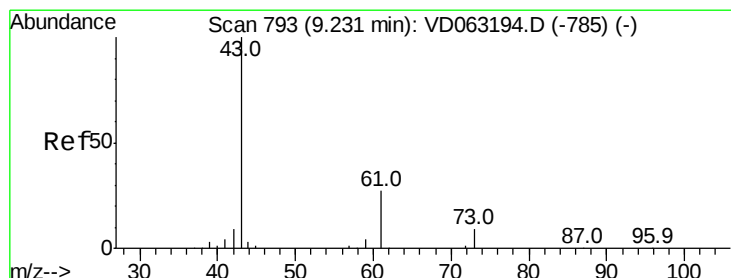
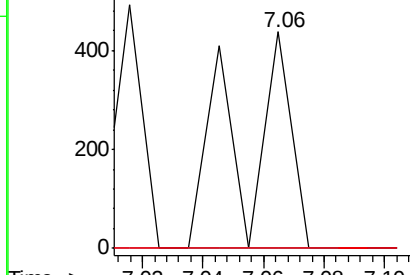
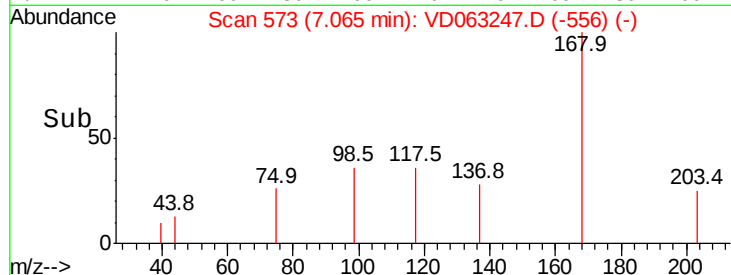
121 0.0 22.1 33.1#



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



#43

Isopropyl Acetate

Concen: 2.172 ug/l

RT: 9.29 min Scan# 799

Delta R.T. 0.06 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

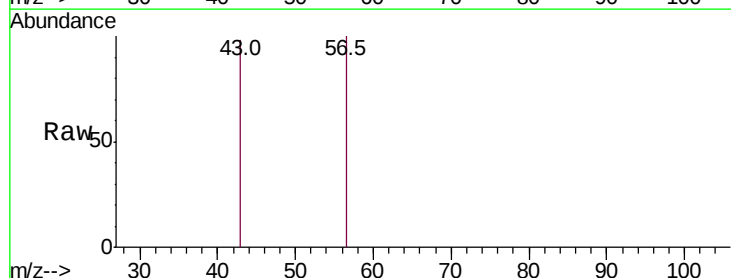
Tgt Ion: 43 Resp: 189

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

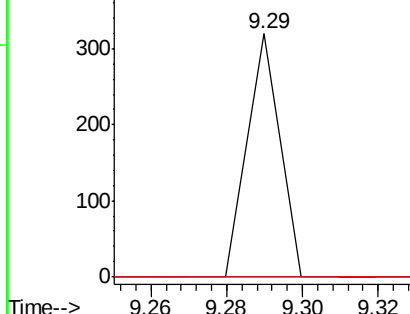
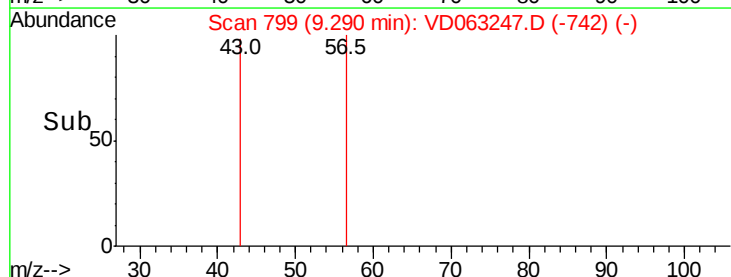
87 0.0 0.2 0.4#

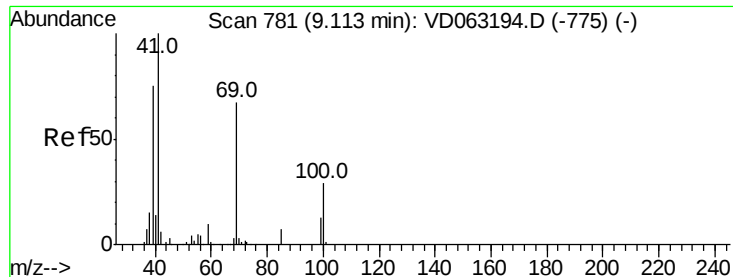


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC





#48

Methyl methacrylate

Concen: 3.474 ug/l

RT: 9.17 min Scan# 787

Delta R.T. 0.06 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

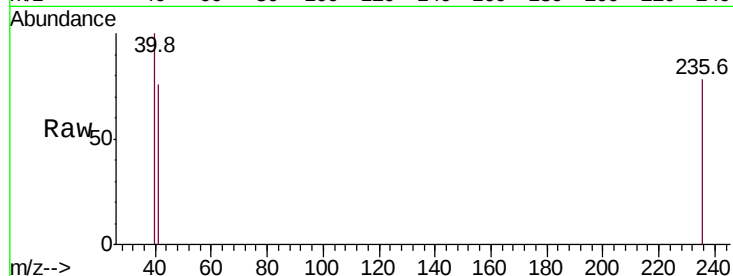
Tot Ion: 41 Resp: 196

Ion Ratio Lower Upper

41 100

69 0.0 53.4 80.0#

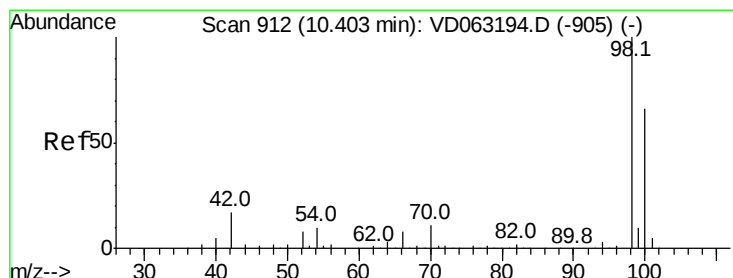
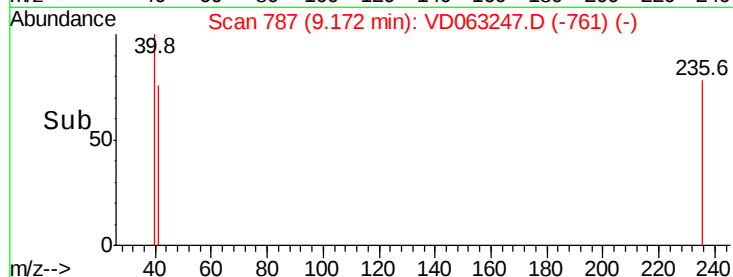
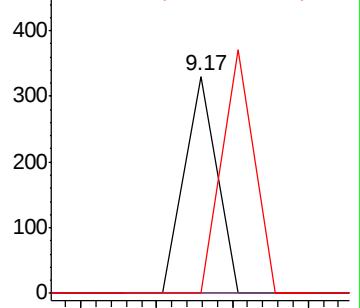
39 0.0 60.3 90.5#



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC



#50

Toluene-d8

Concen: 36.356 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063247.D

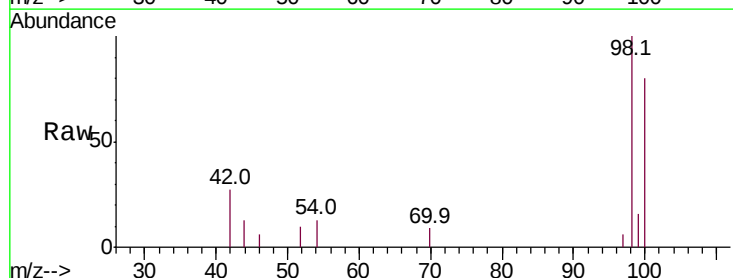
Acq: 30 Jul 2019 17:43

Tgt Ion: 98 Resp: 11540

Ion Ratio Lower Upper

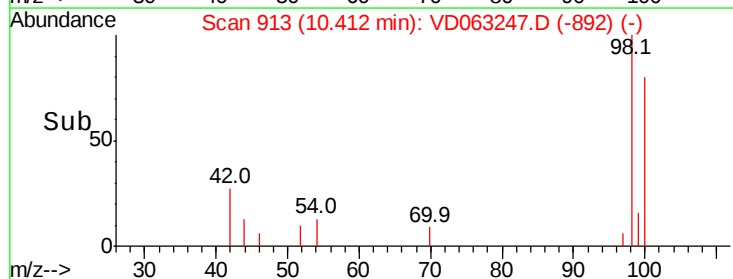
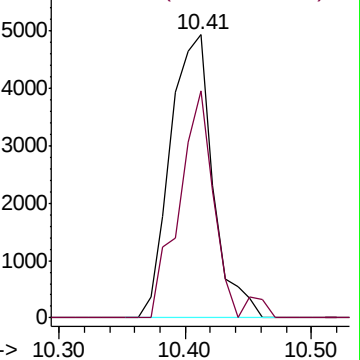
98 100

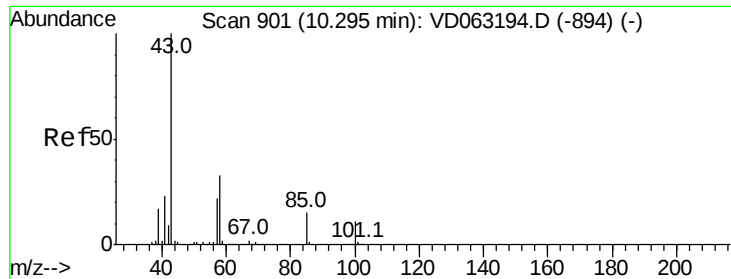
100 80.4 53.2 79.8#



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 3.160 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.10 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

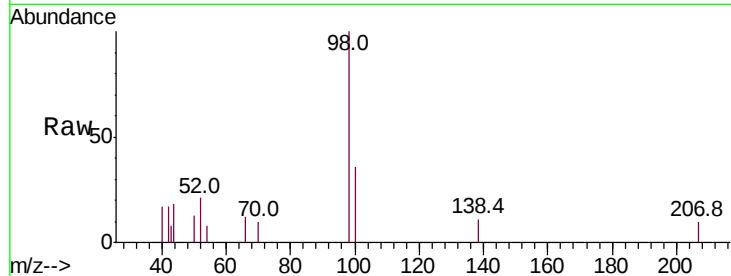
BP-VPB203-GW-298-300

Tot Ion: 43 Resp: 187

Ion Ratio Lower Upper

43 100

58 0.0 26.2 39.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.39

300

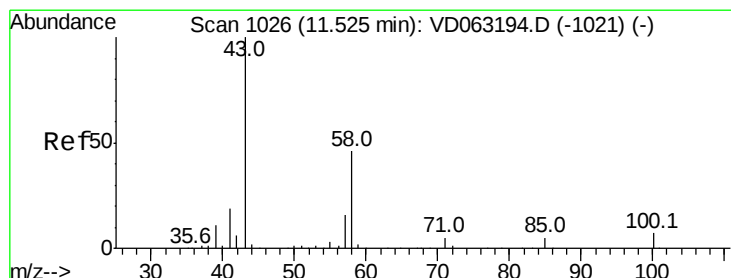
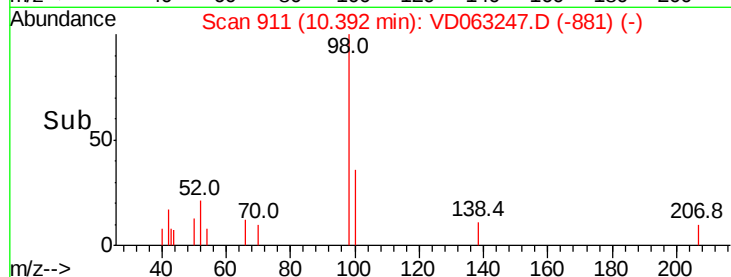
200

100

0

10.36 10.38 10.40 10.42

Time-->



#59

2-Hexanone

Concen: 4.339 ug/l

RT: 11.50 min Scan# 1024

Delta R.T. -0.02 min

Lab File: VD063247.D

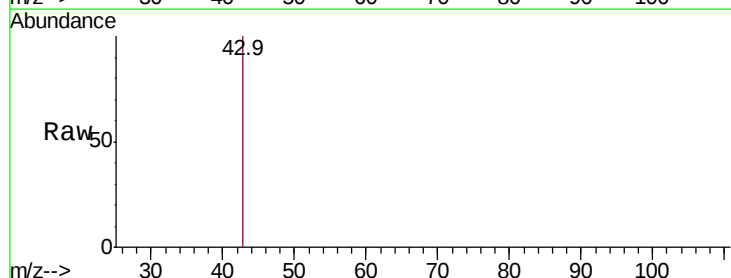
Acq: 30 Jul 2019 17:43

Tgt Ion: 43 Resp: 185

Ion Ratio Lower Upper

43 100

58 0.0 22.9 68.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

400

300

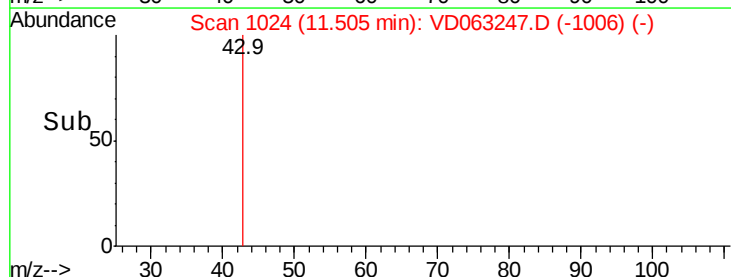
200

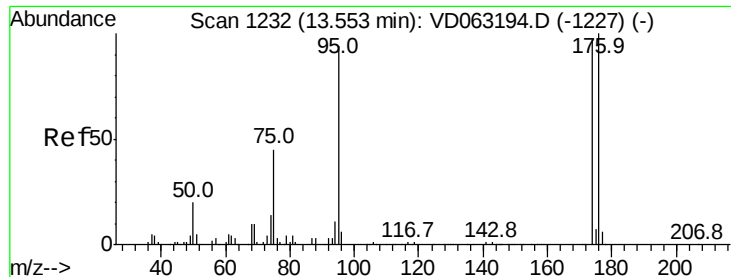
100

0

11.48 11.50 11.52

Time-->





#62

4-Bromofluorobenzene

Concen: 32.383 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

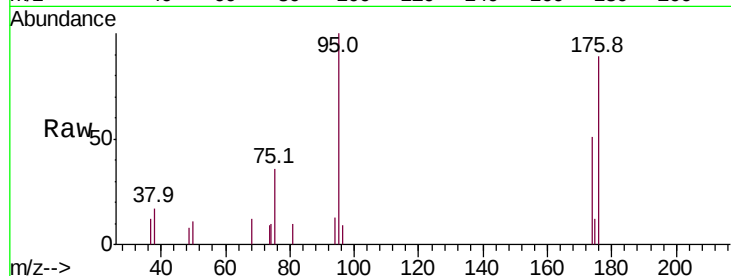
Tot Ion: 95 Resp: 4684

Ion Ratio Lower Upper

95 100

174 63.2 0.0 205.4

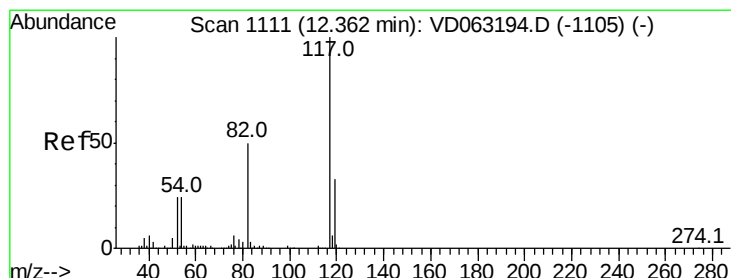
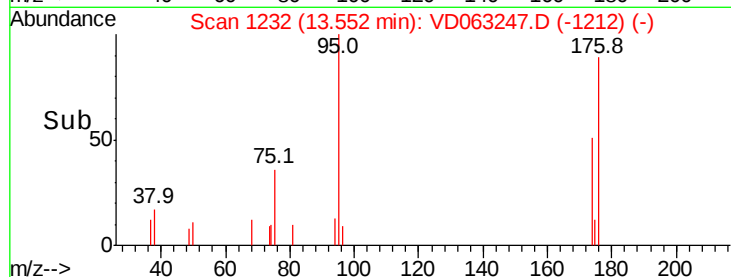
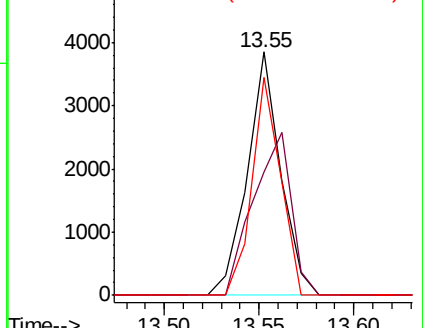
176 89.4 0.0 211.8



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# 1111

Delta R.T. -0.00 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

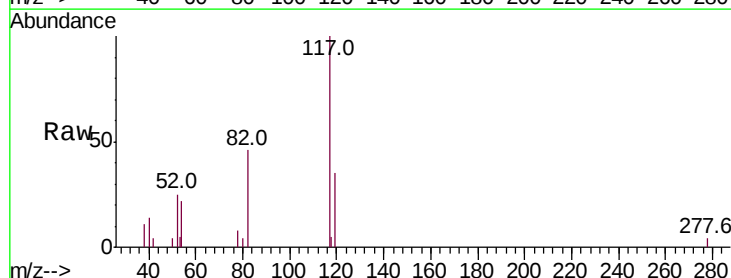
Tgt Ion: 117 Resp: 11950

Ion Ratio Lower Upper

117 100

82 46.4 40.1 60.1

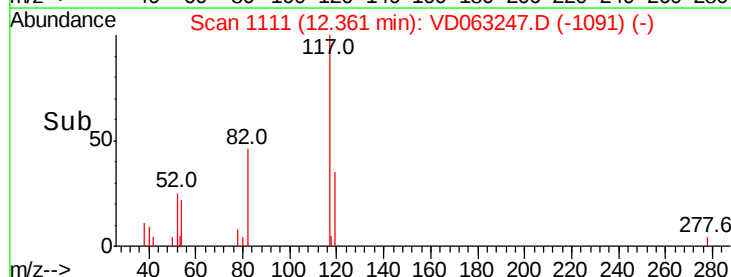
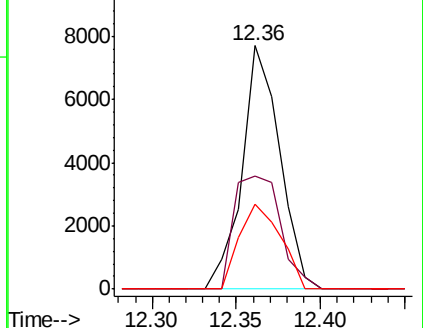
119 34.8 26.5 39.7

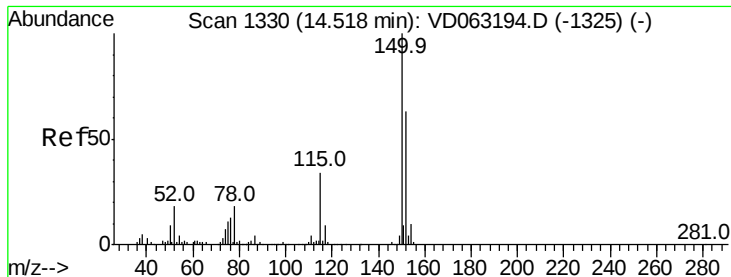


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

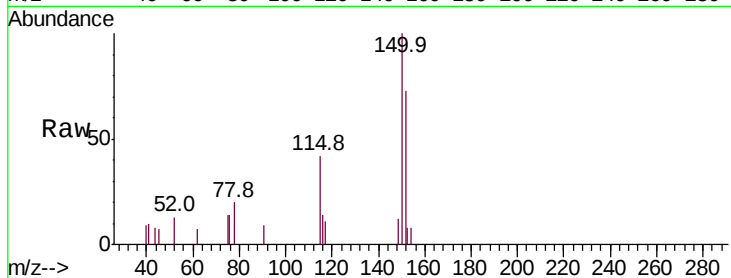
Tot Ion:152 Resp: 3615

Ion Ratio Lower Upper

152 100

115 51.3 27.5 82.4

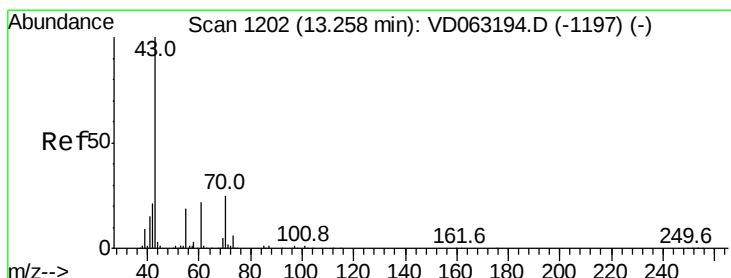
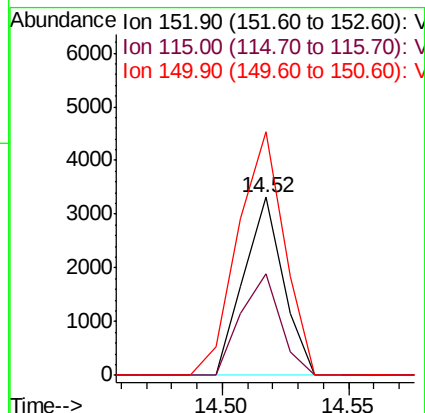
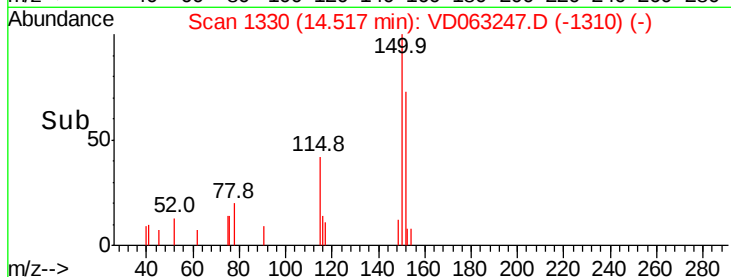
150 123.5 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 5.018 ug/l

RT: 13.35 min Scan# 1211

Delta R.T. 0.09 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Tgt Ion: 43 Resp: 301

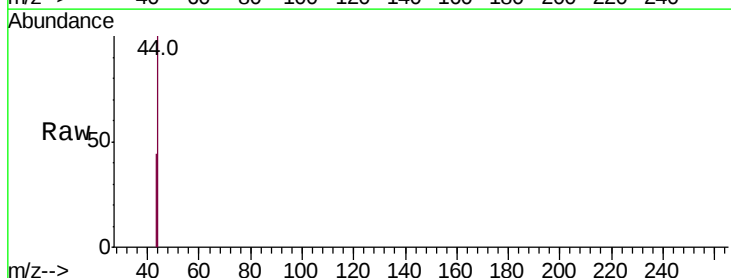
Ion Ratio Lower Upper

43 100

70 0.0 20.2 30.4#

55 0.0 14.9 22.3#

61 0.0 17.9 26.9#

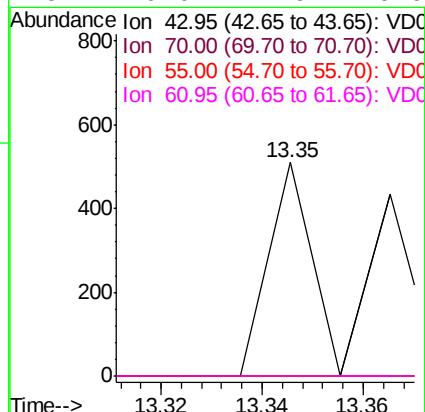
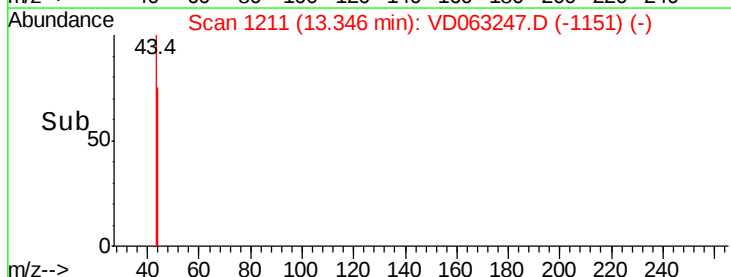


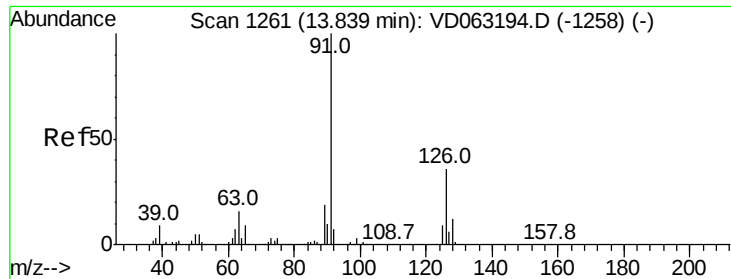
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#79

2-Chlorotoluene

Concen: 1.604 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.07 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

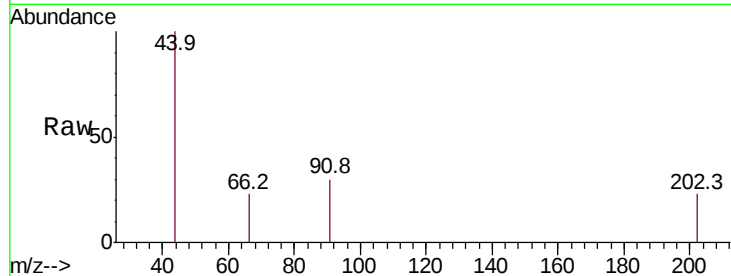
BP-VPB203-GW-298-300

Tot Ion: 91 Resp: 251

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

13.77

400

300

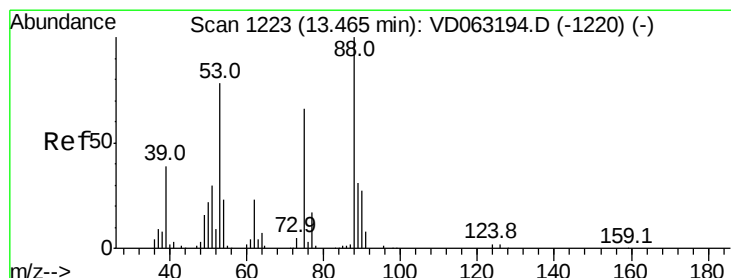
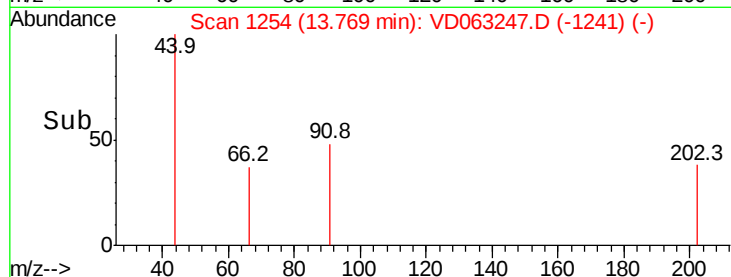
200

100

0

13.74 13.76 13.78 13.80

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 138.425 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

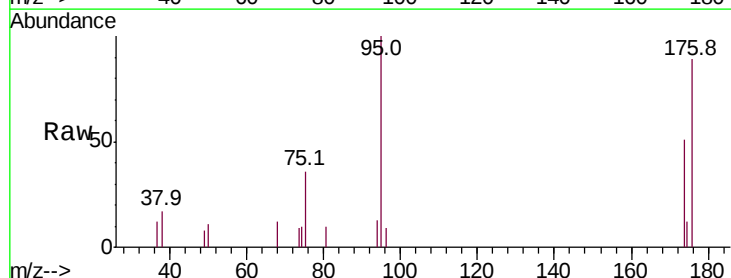
Tgt Ion: 75 Resp: 1669

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

13.55

1500

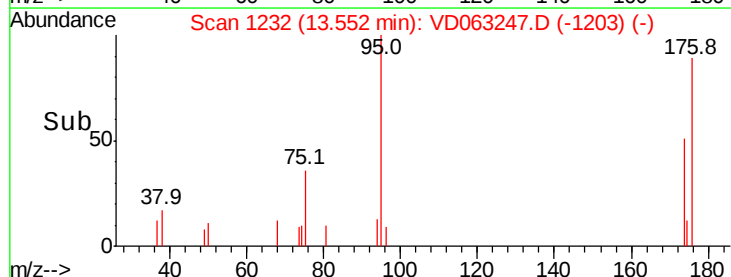
1000

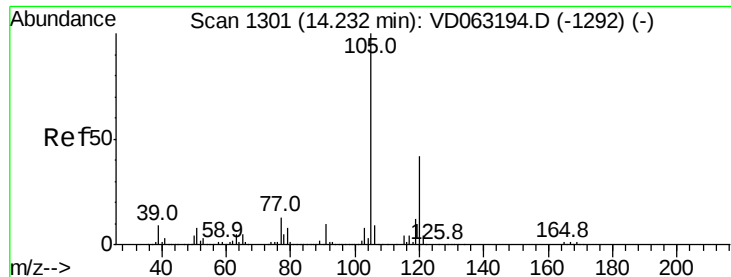
500

0

13.50 13.55 13.60

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 1.176 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

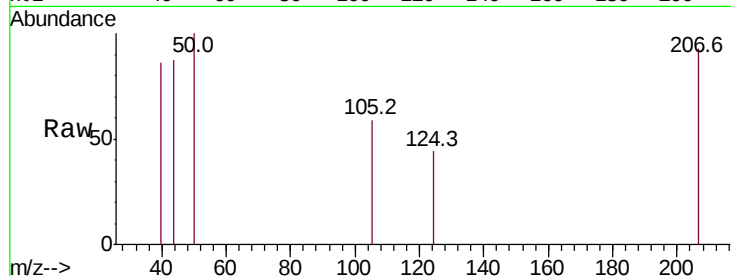
BP-VPB203-GW-298-300

Tot Ion:105 Resp: 238

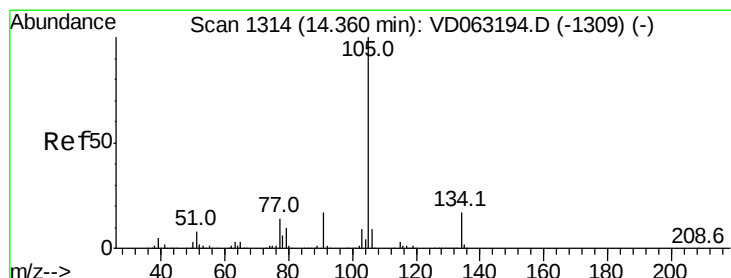
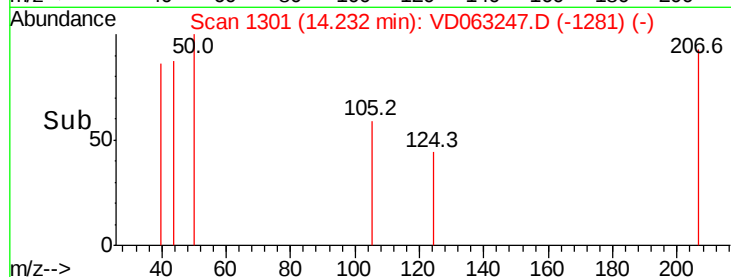
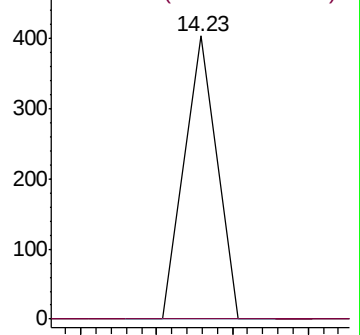
Ion Ratio Lower Upper

105 100

120 0.0 20.9 62.7#



Abundance Ion 105.05 (104.75 to 105.75): V



#85

sec-Butylbenzene

Concen: 1.011 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.13 min

Lab File: VD063247.D

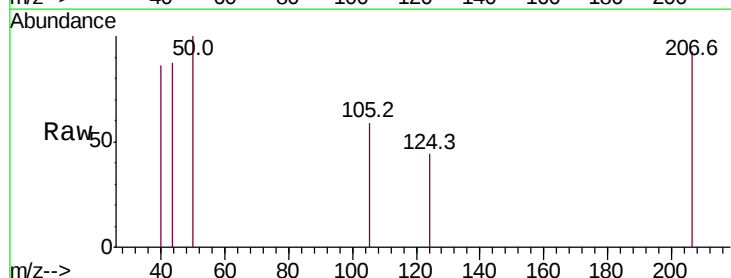
Acq: 30 Jul 2019 17:43

Tgt Ion:105 Resp: 238

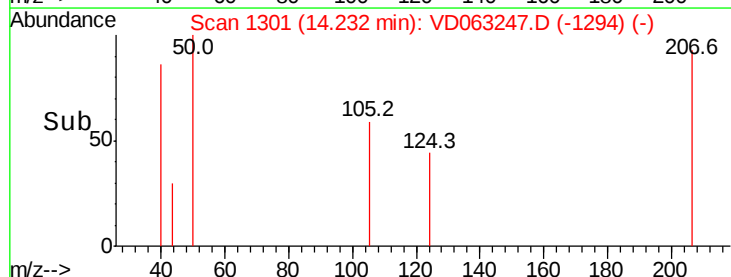
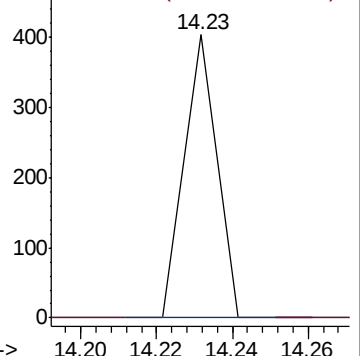
Ion Ratio Lower Upper

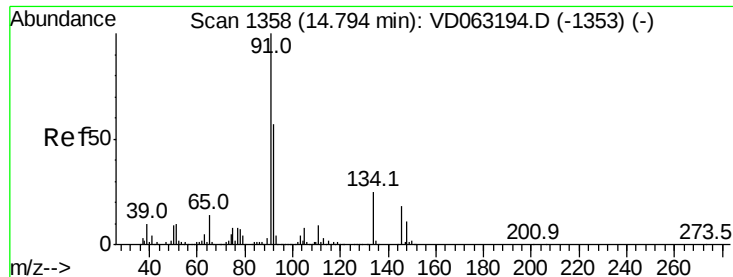
105 100

134 0.0 8.3 24.9#



Abundance Ion 105.05 (104.75 to 105.75): V





#89

n-Butylbenzene

Concen: 1.067 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

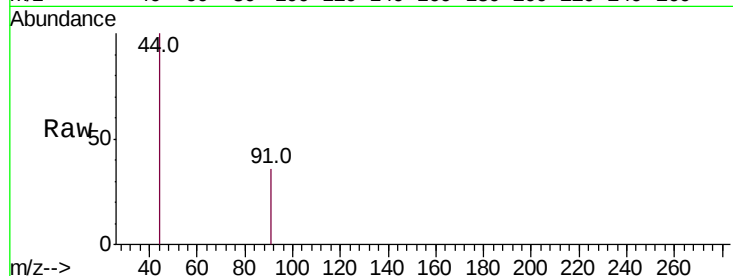
Tot Ion: 91 Resp: 207

Ion Ratio Lower Upper

91 100

92 0.0 28.3 85.0#

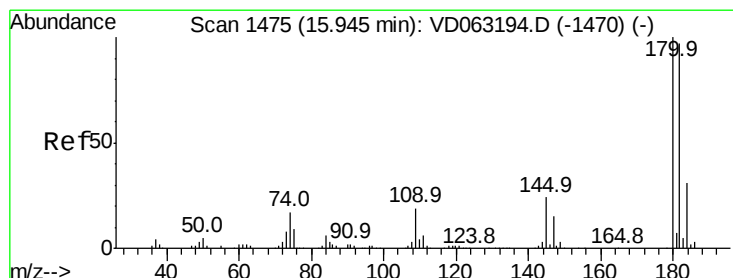
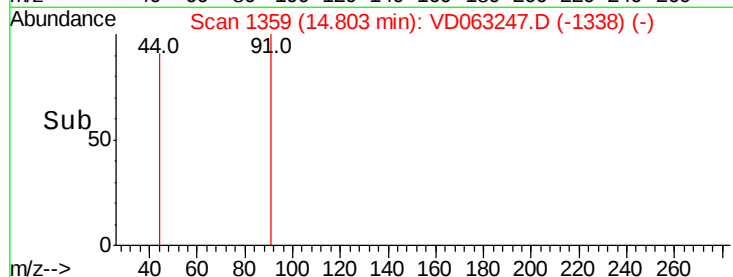
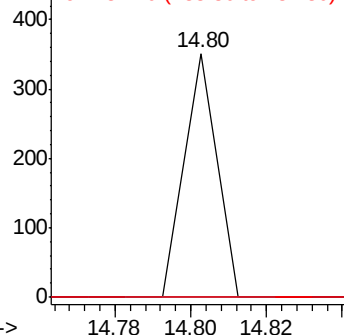
134 0.0 12.3 36.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#93

1,2,4-Trichlorobenzene

Concen: 3.059 ug/l

RT: 15.93 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VD063247.D

Acq: 30 Jul 2019 17:43

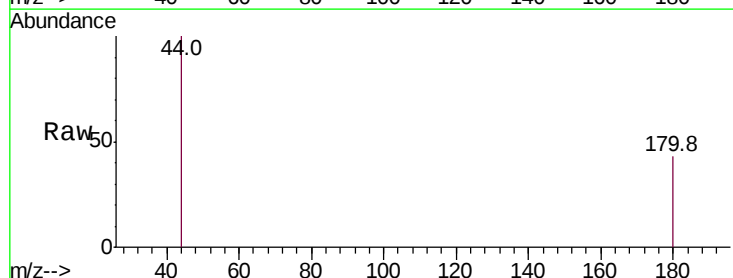
Tgt Ion: 180 Resp: 242

Ion Ratio Lower Upper

180 100

182 0.0 48.6 145.8#

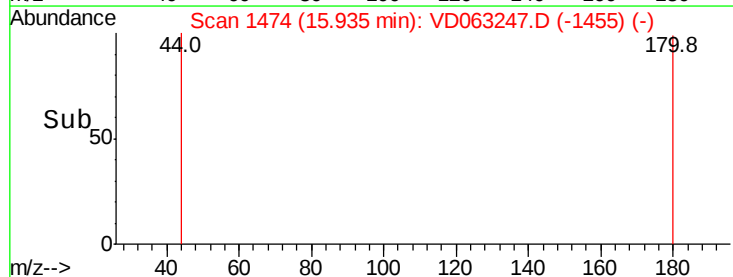
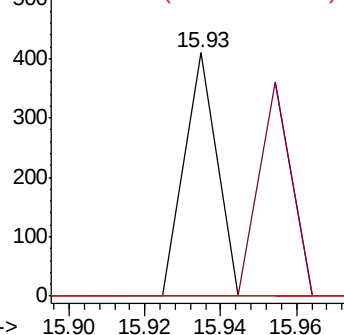
145 0.0 12.2 36.6#

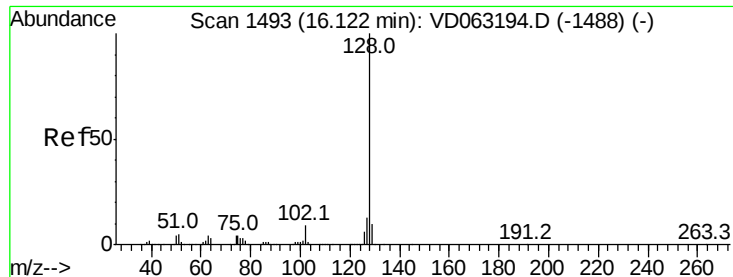


Abundance Ion 179.85 (179.55 to 180.55): VDC

Ion 181.85 (181.55 to 182.55): VDC

Ion 144.95 (144.65 to 145.65): VDC





#95

Naphthalene

Concen: 1.735 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063247.D

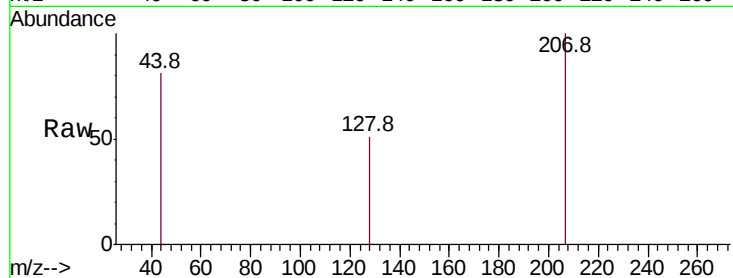
Acq: 30 Jul 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300



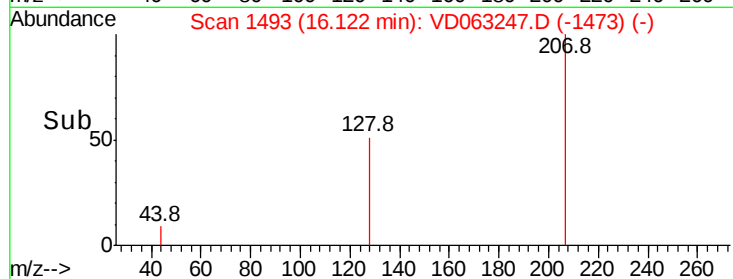
Tot Ion:128 Resp: 194

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

