

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062729.D
 Acq On : 17 Jun 2019 16:23
 Operator : VA/AP
 Sample : K3382-07
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GRAVEL-2

Quant Time: Jun 18 06:24:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	844445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1223731	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	984850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	508841	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	315327	25.88	ug/l	0.00
Spiked Amount			Recovery	=	51.76%	
35) Dibromofluoromethane	6.92	113	363327	28.15	ug/l	0.00
Spiked Amount			Recovery	=	56.30%	
50) Toluene-d8	10.41	98	717971	26.45	ug/l	0.00
Spiked Amount			Recovery	=	52.90%	
62) 4-Bromofluorobenzene	13.56	95	324743	25.64	ug/l	0.00
Spiked Amount			Recovery	=	51.28%	

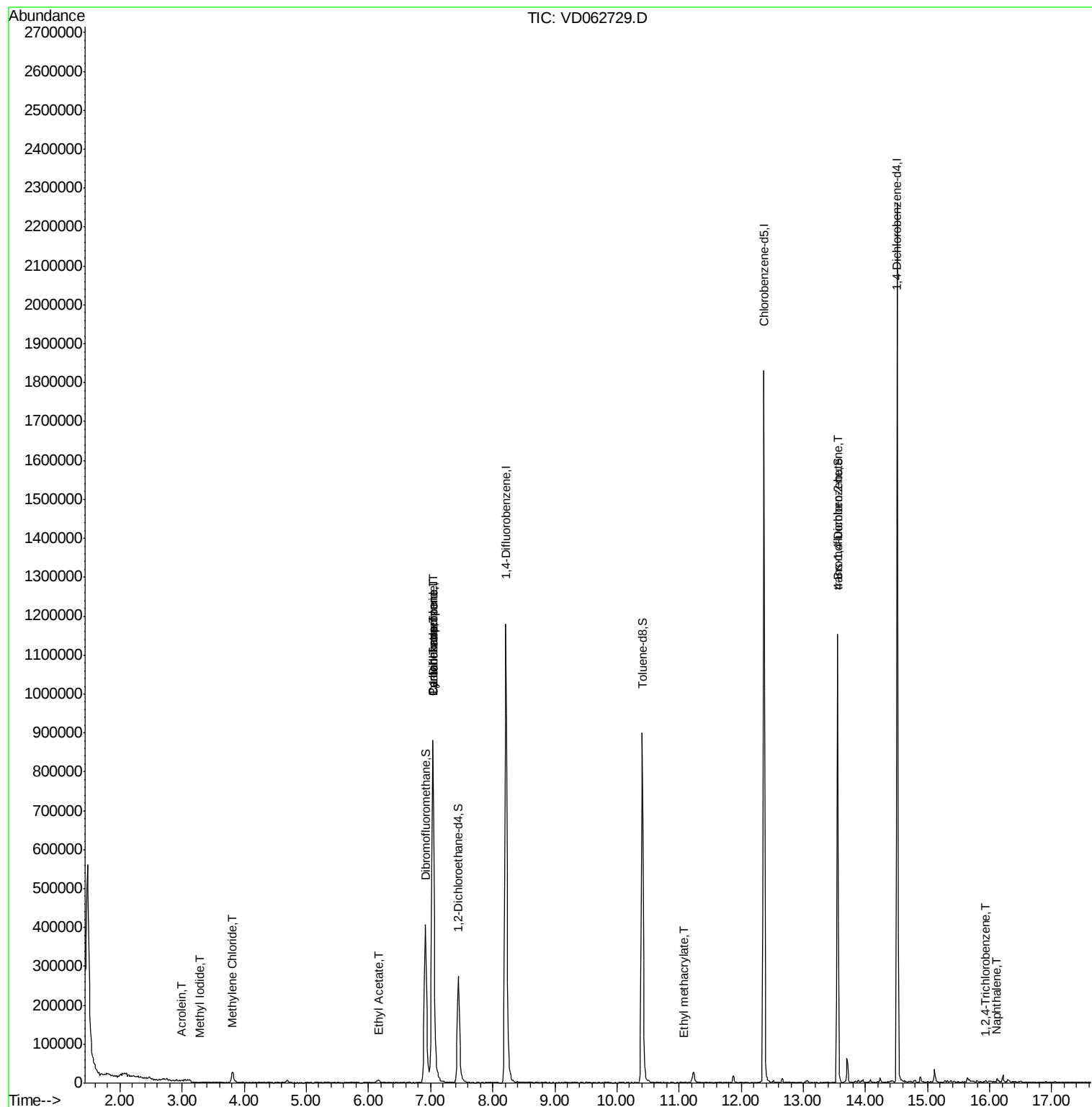
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	2539	Below Cal		85
10) Methyl Iodide	3.29	142	403	4.033	ug/l #	24
13) Acrolein	2.99	56	614	3.811	ug/l #	12
20) Methylene Chloride	3.81	84	15755	1.440	ug/l #	88
31) Cyclohexane	7.04	56	19343	2.012	ug/l #	2
36) 1,1-Dichloropropene	7.03	75	66099	4.719	ug/l #	54
37) Ethyl Acetate	6.17	43	269	1.245	ug/l #	74
38) Carbon Tetrachloride	7.04	117	87888	3.970	ug/l #	17
56) Ethyl methacrylate	11.09	69	271	3.972	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.55	75	157993	75.098	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	810	3.626	ug/l #	43
95) Naphthalene	16.12	128	5482	3.726	ug/l #	92

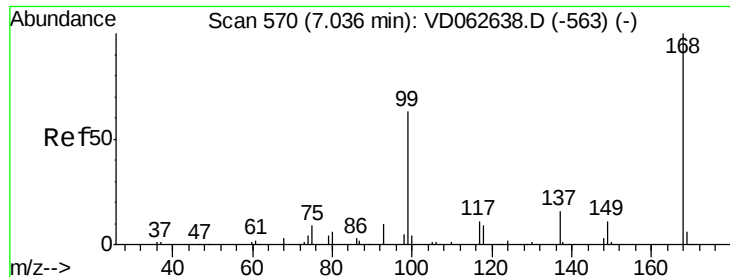
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061719\
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Quant Time: Jun 18 06:24:01 2019
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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 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: VD062729.D

Acq: 17 Jun 2019 16:23

Instrument :

MSVOA_D

ClientSampleId :

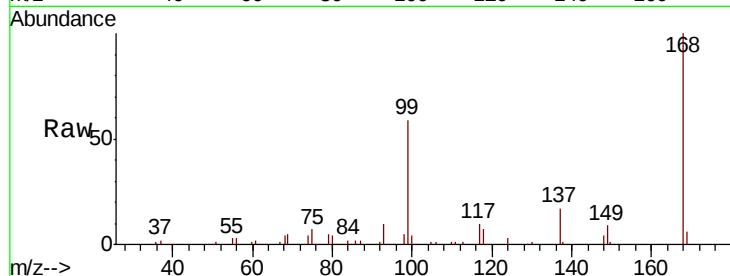
GRAVEL-2

Tot Ion:168 Resp: 844445

Ion Ratio Lower Upper

168 100

99 59.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

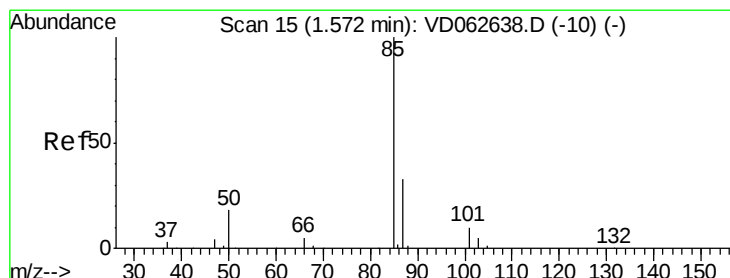
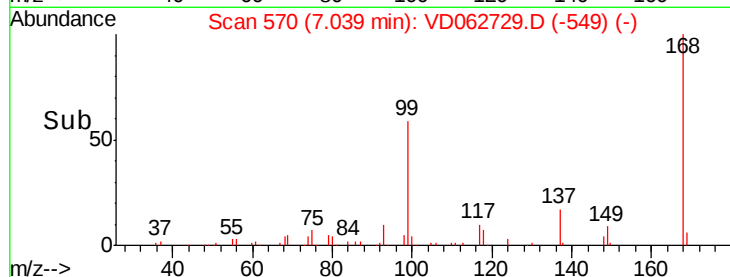
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062729.D

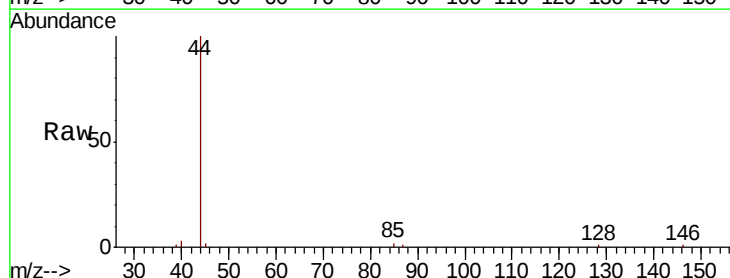
Acq: 17 Jun 2019 16:23

Tgt Ion: 85 Resp: 2539

Ion Ratio Lower Upper

85 100

87 24.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1500

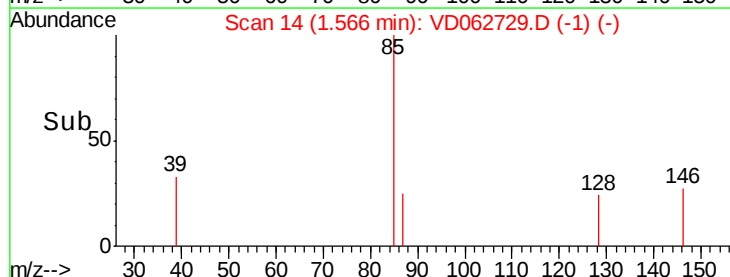
1000

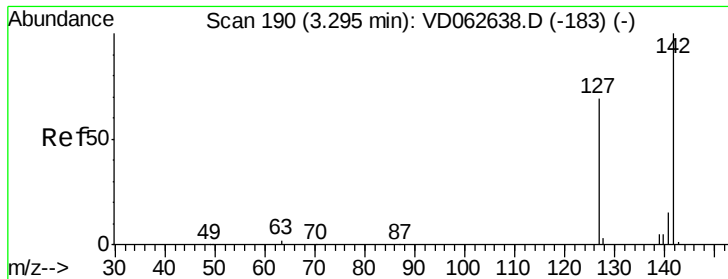
500

0

Time-->

1.50 1.55 1.60

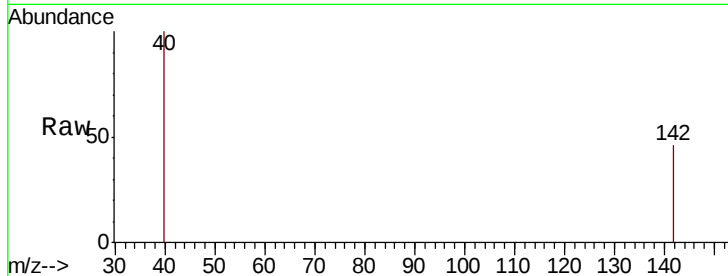




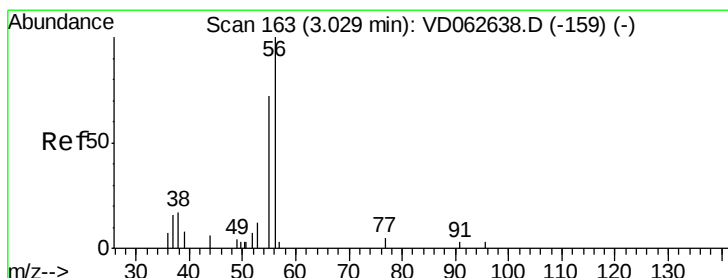
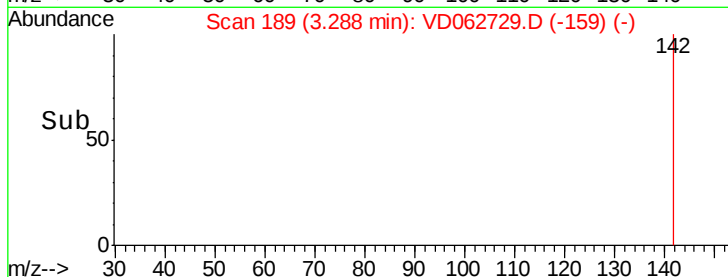
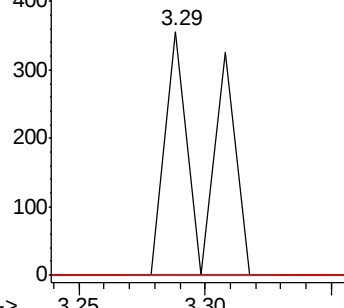
#10
Methyl Iodide
Concen: 4.033 ug/l
RT: 3.29 min Scan# 189
Delta R.T. -0.01 min
Lab File: VD062729.D
Acq: 17 Jun 2019 16:23

Instrument :
MSVOA_D
ClientSampleId :
GRAVEL-2

Tot Ion:142 Resp: 403
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 0.0 12.1 18.1#

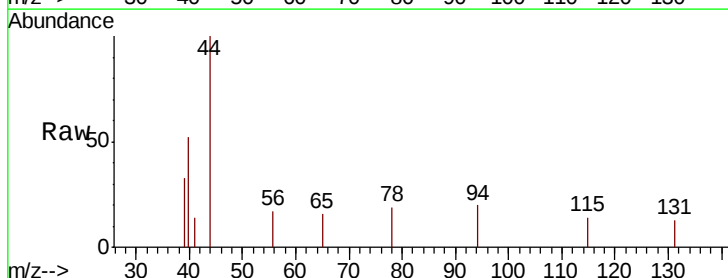


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

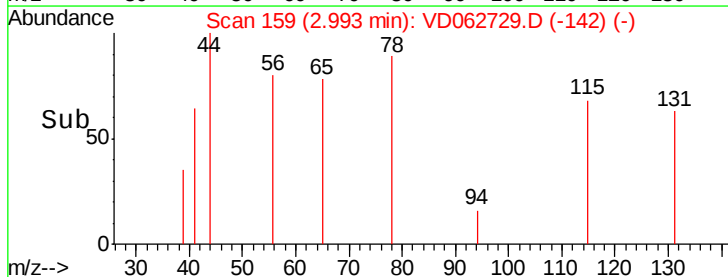
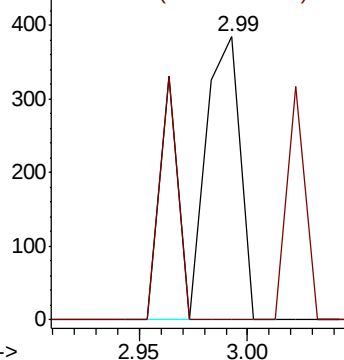


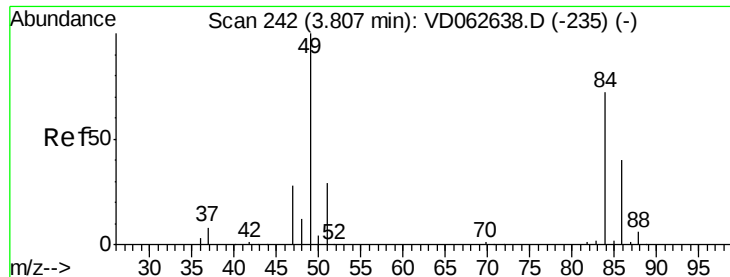
#13
Acrolein
Concen: 3.811 ug/l
RT: 2.99 min Scan# 159
Delta R.T. -0.04 min
Lab File: VD062729.D
Acq: 17 Jun 2019 16:23

Tgt Ion: 56 Resp: 614
Ion Ratio Lower Upper
56 100
55 0.0 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): V
Ion 55.00 (54.70 to 55.70): V

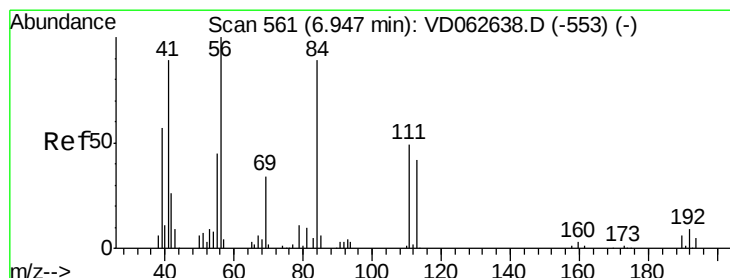
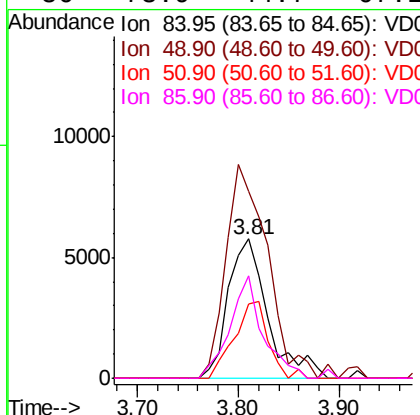
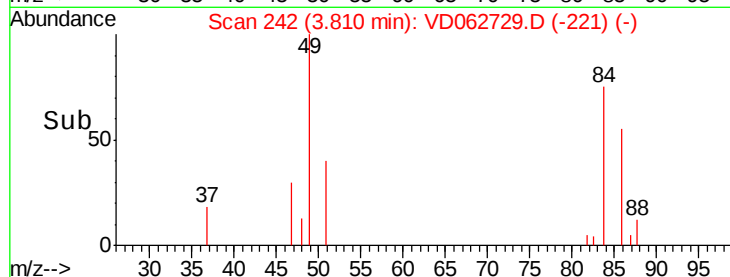
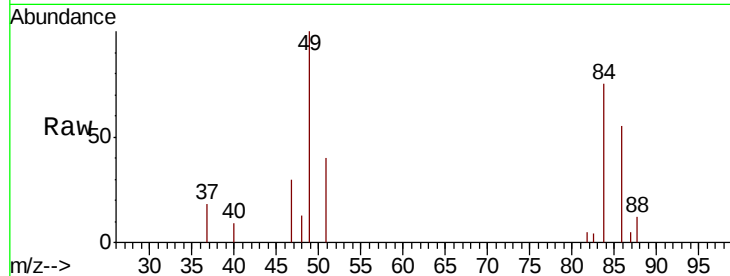




#20
Methvlene Chloride
Concen: 1.440 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD062729.D
Acq: 17 Jun 2019 16:23

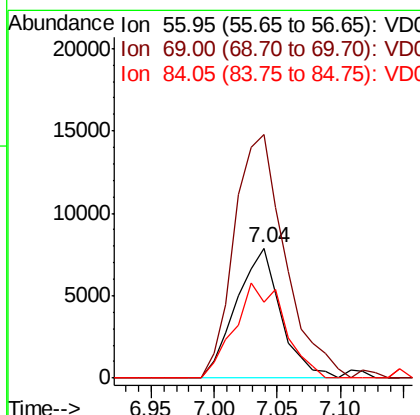
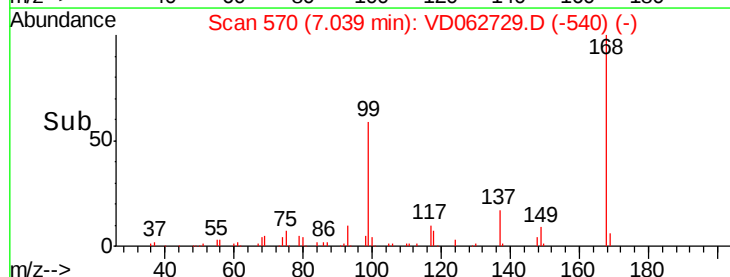
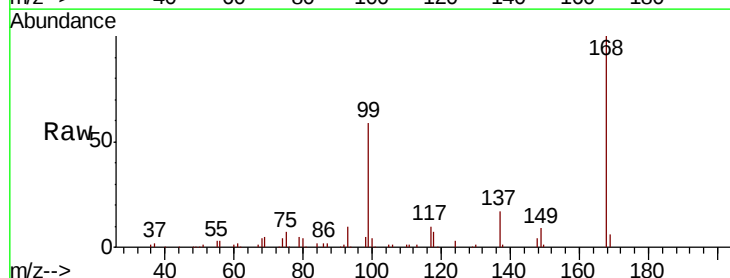
Instrument :
MSVOA_D
ClientSampleId :
GRAVEL-2

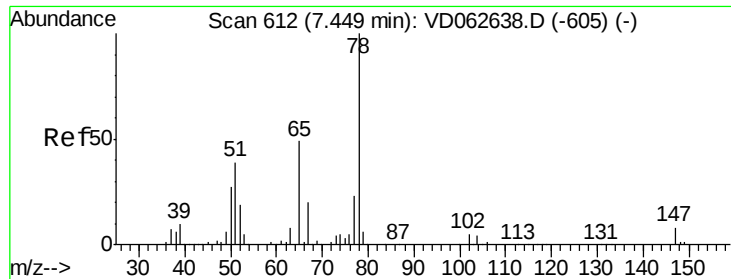
Tot Ion: 84 Resp: 15755
Ion Ratio Lower Upper
84 100
49 133.8 111.2 166.8
51 53.7 31.9 47.9#
86 73.9 44.7 67.1#



#31
Cyclohexane
Concen: 2.012 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.09 min
Lab File: VD062729.D
Acq: 17 Jun 2019 16:23

Tgt Ion: 56 Resp: 19343
Ion Ratio Lower Upper
56 100
69 187.0 26.8 40.2#
84 58.3 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 25.878 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD062729.D

Acq: 17 Jun 2019 16:23

Instrument :

MSVOA_D

ClientSampleId :

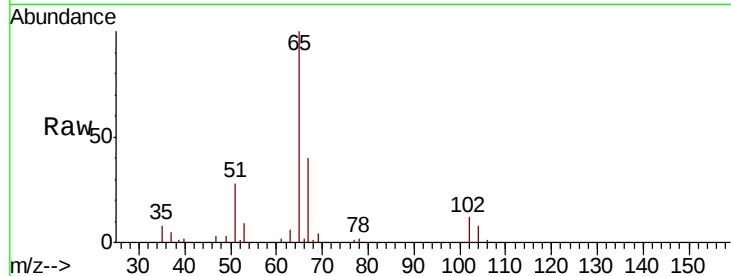
GRAVEL-2

Tot Ion: 65 Resp: 315327

Ion Ratio Lower Upper

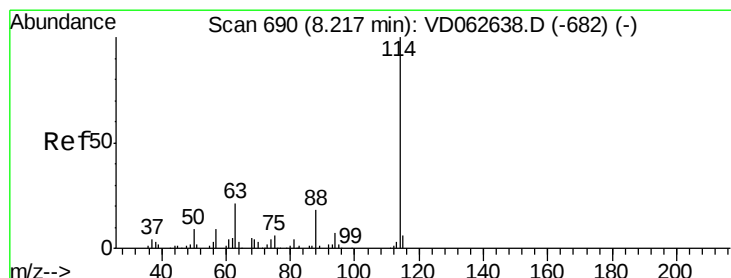
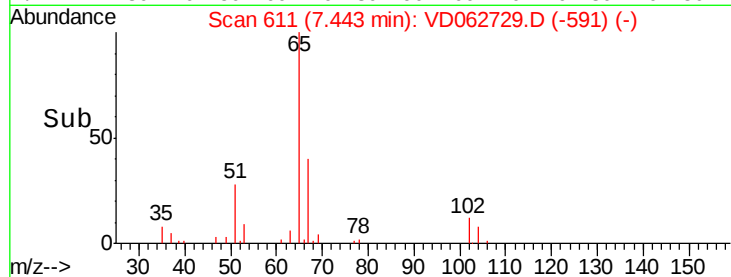
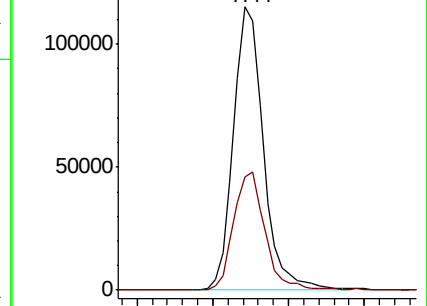
65 100

67 39.9 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD062729.D

Acq: 17 Jun 2019 16:23

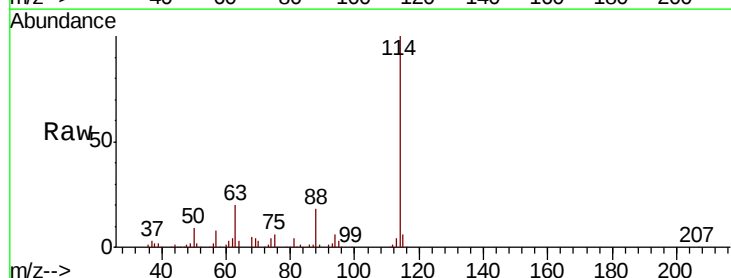
Tgt Ion: 114 Resp: 1223731

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

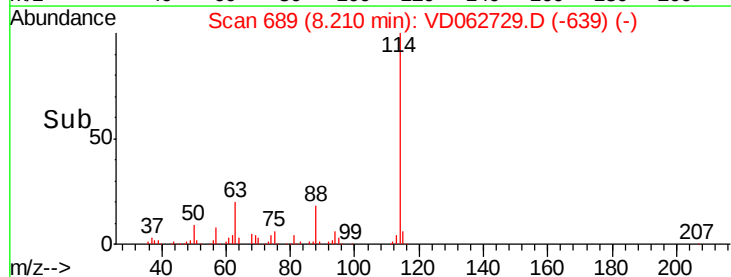
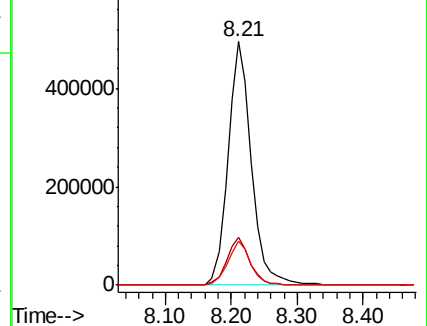
88 17.9 0.0 36.8

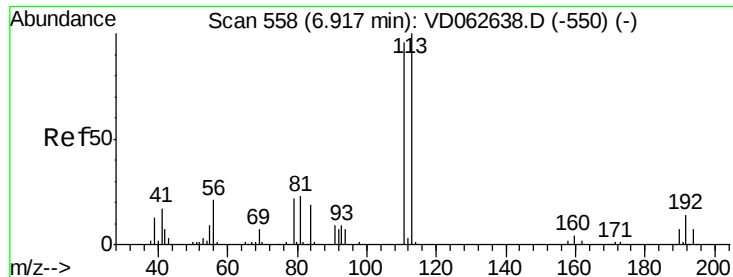


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 28.152 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD062729.D

Acq: 17 Jun 2019 16:23

Instrument :

MSVOA_D

ClientSampleId :

GRAVEL-2

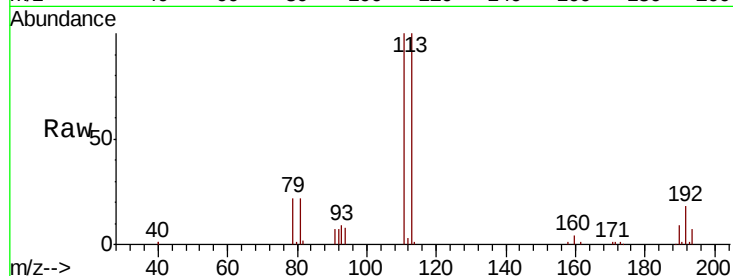
Tot Ion:113 Resp: 363327

Ion Ratio Lower Upper

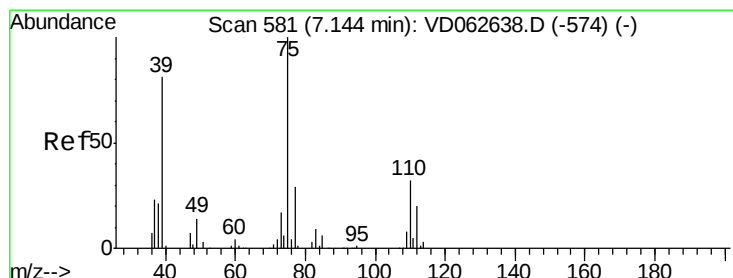
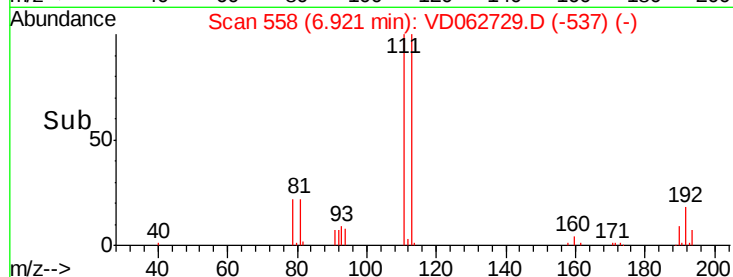
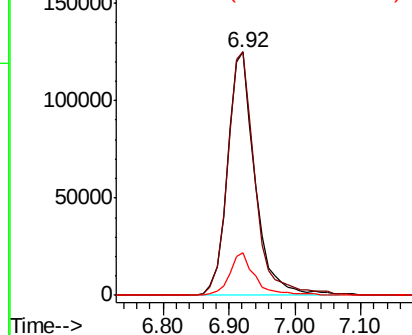
113 100

111 100.1 76.4 114.6

192 17.6 11.4 17.0#



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: 4.719 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.11 min

Lab File: VD062729.D

Acq: 17 Jun 2019 16:23

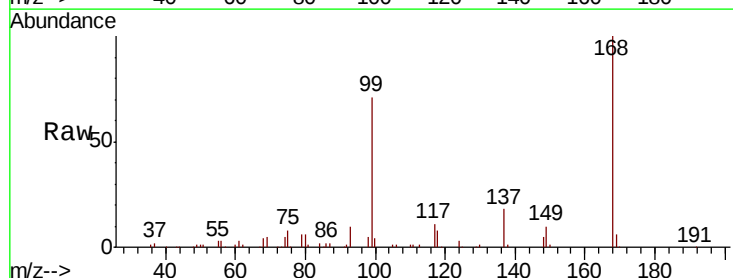
Tgt Ion: 75 Resp: 66099

Ion Ratio Lower Upper

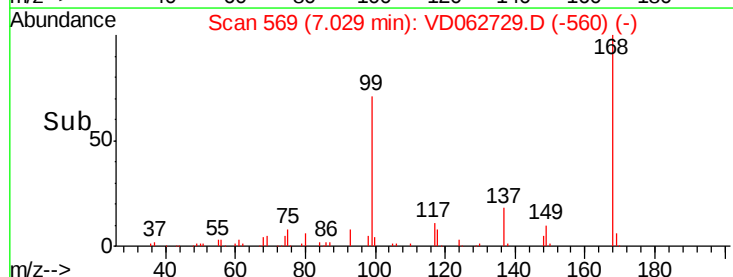
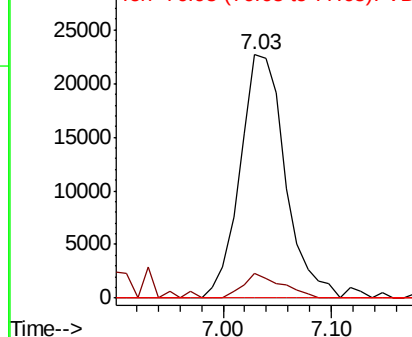
75 100

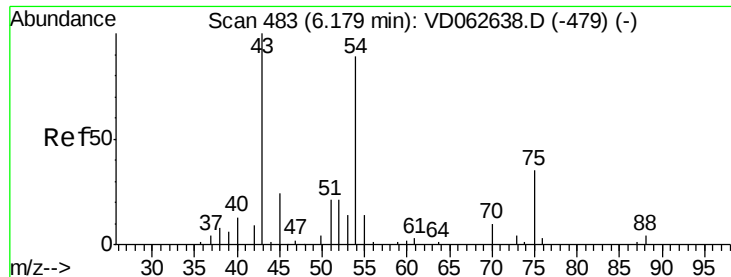
110 10.1 15.9 47.7#

77 0.0 23.3 34.9#



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 1.245 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.01 min

Lab File: VD062729.D

Acq: 17 Jun 2019 16:23

Instrument :

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ClientSampleId :

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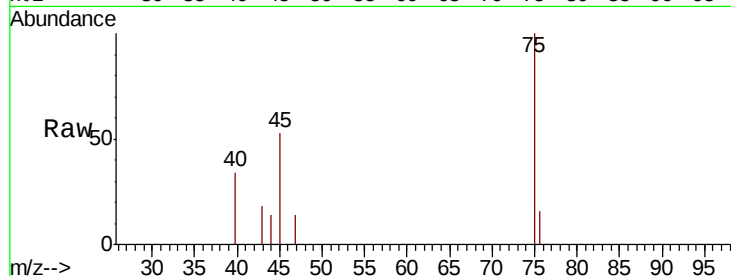
Tot Ion: 43 Resp: 269

Ion Ratio Lower Upper

43 100

61 0.0 8.7 13.1#

70 0.0 6.5 9.7#



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

6.17

400

300

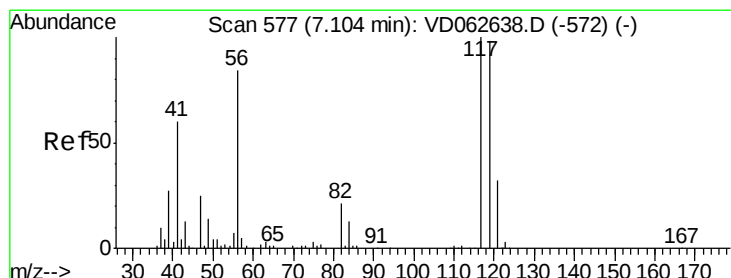
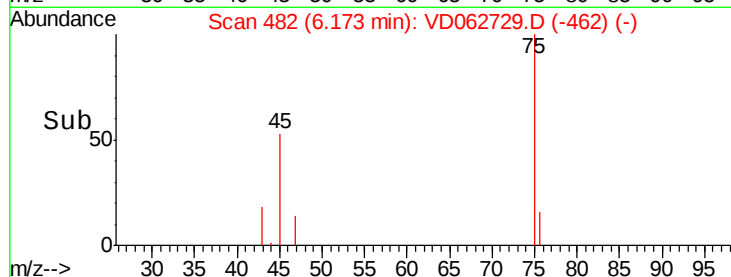
200

100

0

6.14 6.16 6.18 6.20

Time-->



#38

Carbon Tetrachloride

Concen: 3.970 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.07 min

Lab File: VD062729.D

Acq: 17 Jun 2019 16:23

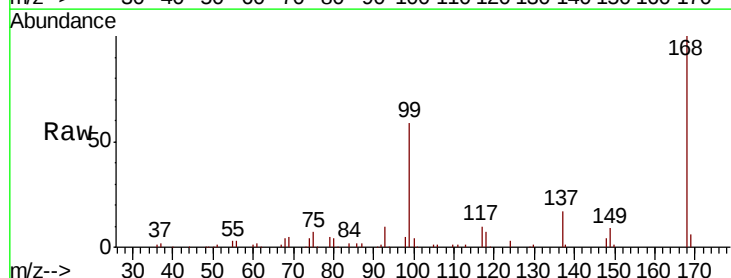
Tgt Ion: 117 Resp: 87888

Ion Ratio Lower Upper

117 100

119 4.2 73.5 110.3#

121 0.0 24.2 36.4#



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

7.04

40000

30000

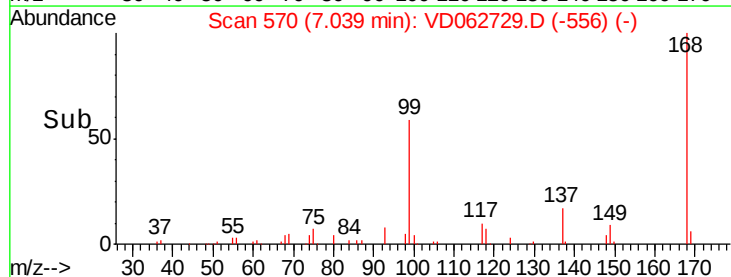
20000

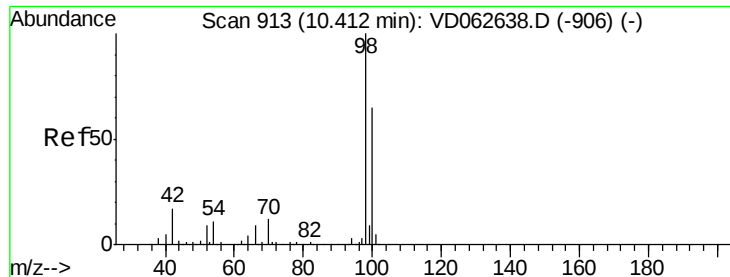
10000

0

6.90 7.00 7.10 7.20

Time-->





#50

Toluene-d8

Concen: 26.445 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD062729.D

Acq: 17 Jun 2019 16:23

Instrument :

MSVOA_D

ClientSampleId :

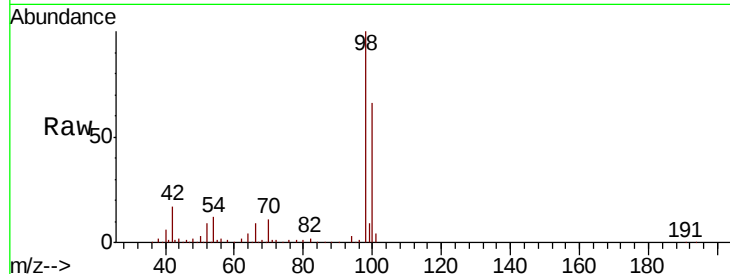
GRAVEL-2

Tot Ion: 98 Resp: 717971

Ion Ratio Lower Upper

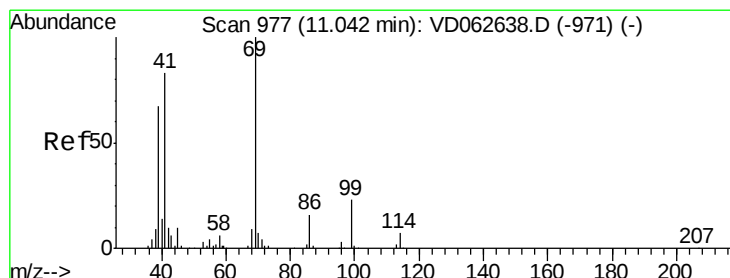
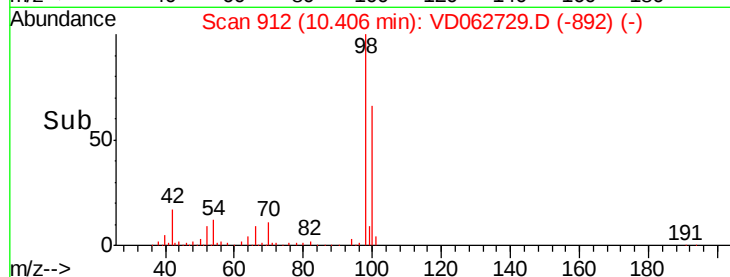
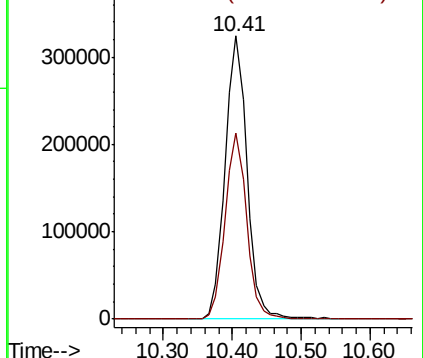
98 100

100 65.6 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#56

Ethyl methacrylate

Concen: 3.972 ug/l

RT: 11.09 min Scan# 981

Delta R.T. 0.04 min

Lab File: VD062729.D

Acq: 17 Jun 2019 16:23

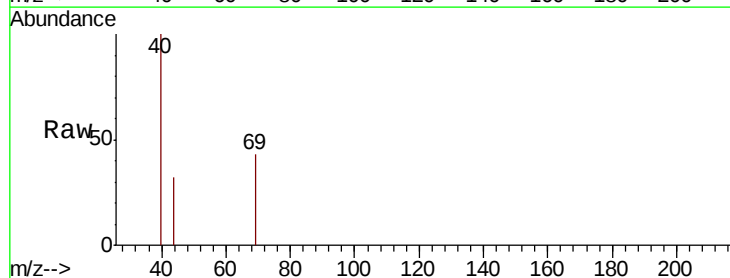
Tgt Ion: 69 Resp: 271

Ion Ratio Lower Upper

69 100

41 0.0 66.2 99.4#

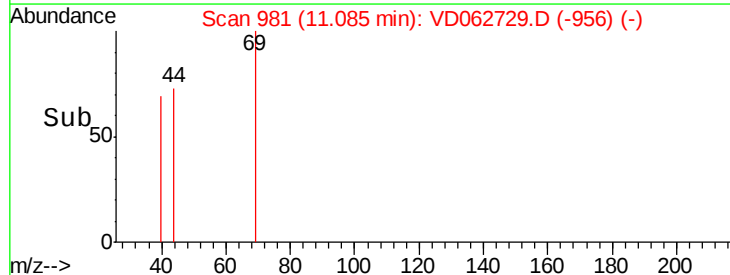
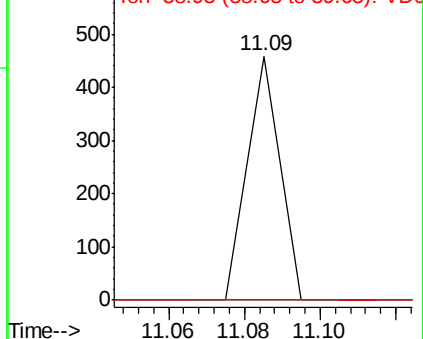
39 0.0 53.8 80.8#

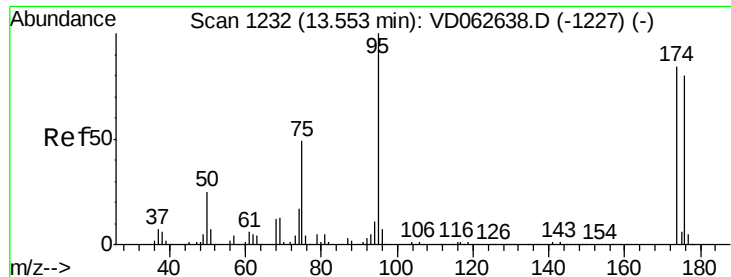


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

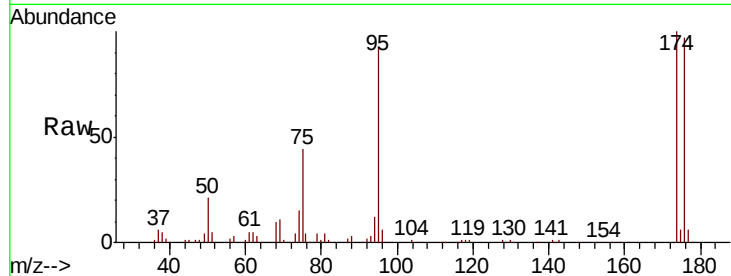




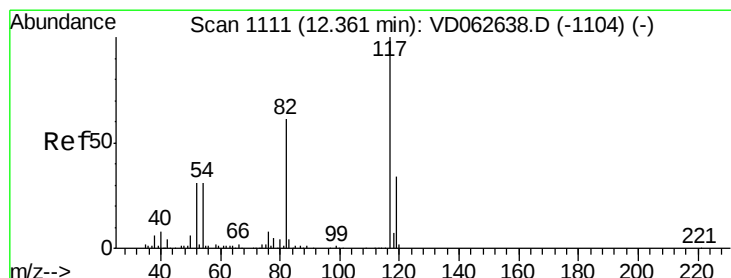
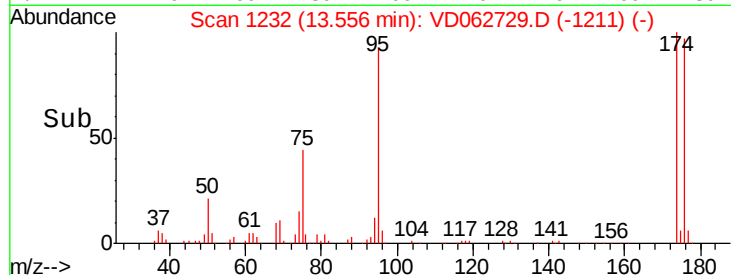
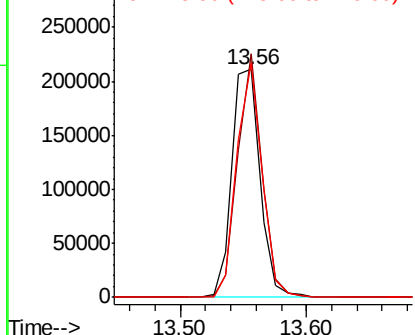
#62
4-Bromofluorobenzene
Concen: 25.639 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062729.D
Acq: 17 Jun 2019 16:23

Instrument :
MSVOA_D
ClientSampleId :
GRAVEL-2

Tot Ion: 95 Resp: 324743
Ion Ratio Lower Upper
95 100
174 107.0 0.0 167.0
176 103.3 0.0 159.2

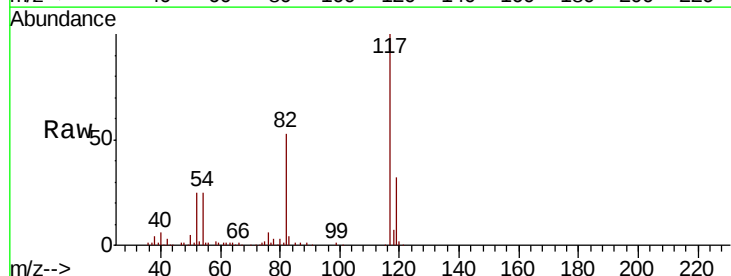


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

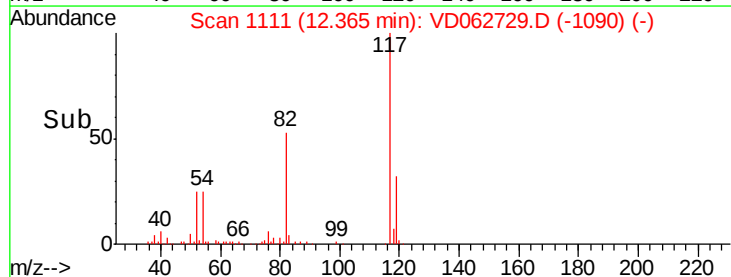
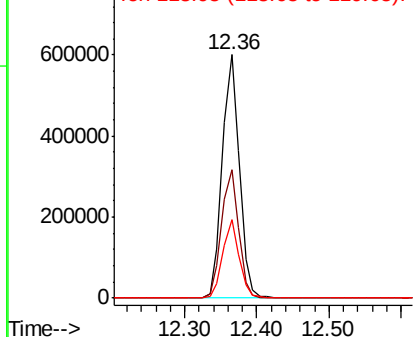


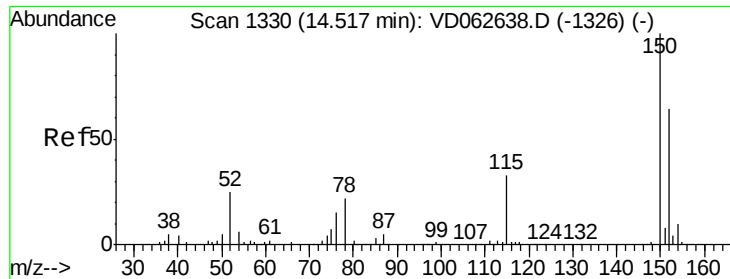
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062729.D
Acq: 17 Jun 2019 16:23

Tgt Ion: 117 Resp: 984850
Ion Ratio Lower Upper
117 100
82 52.6 48.7 73.1
119 32.1 27.0 40.6



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



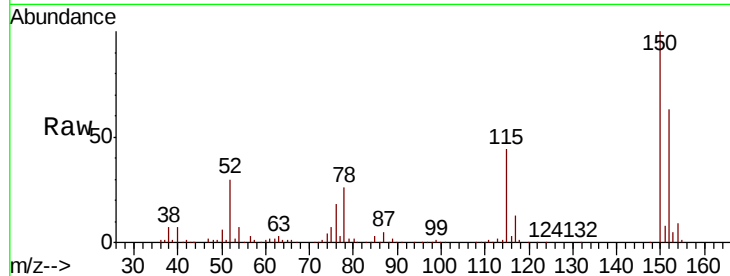


#72

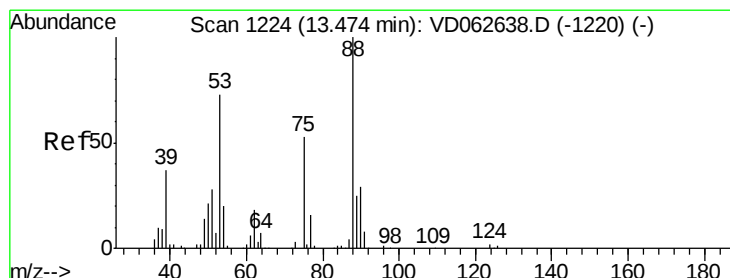
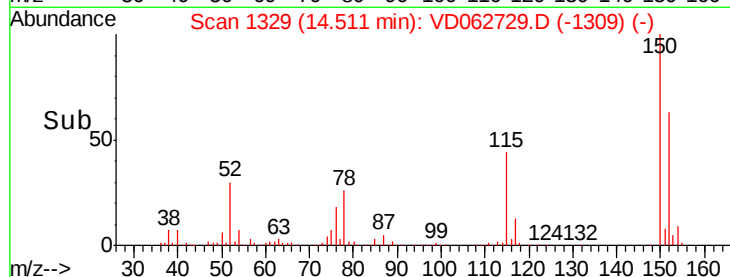
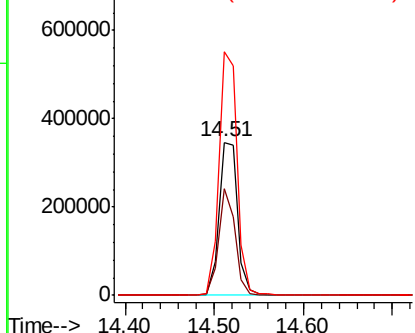
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062729.D
Acq: 17 Jun 2019 16:23

Instrument :
MSVOA_D
ClientSampleId :
GRAVEL-2

Tot Ion:152 Resp: 508841
Ion Ratio Lower Upper
152 100
115 69.2 30.1 90.5
150 158.8 0.0 314.0



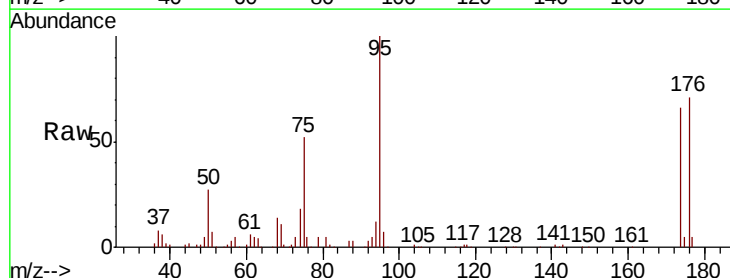
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



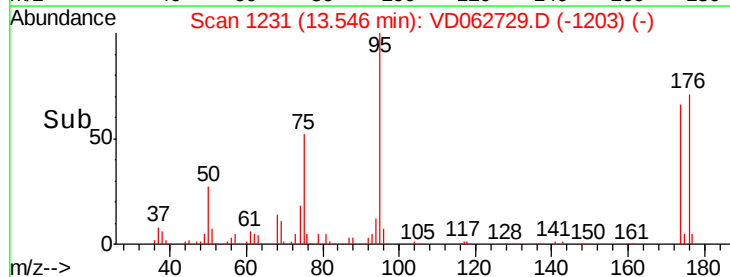
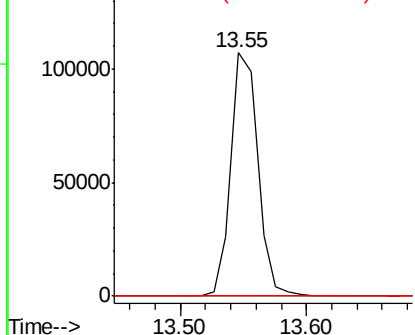
#81

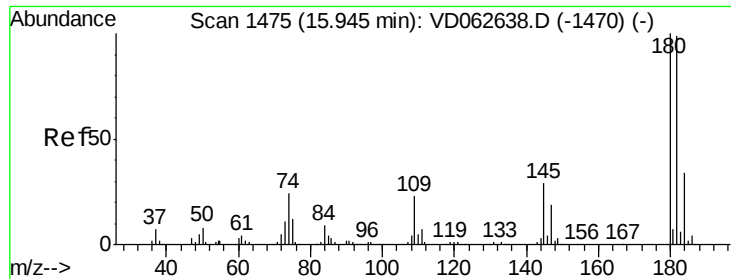
trans-1,4-Dichloro-2-butene
Concen: 75.098 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD062729.D
Acq: 17 Jun 2019 16:23

Tgt Ion: 75 Resp: 157993
Ion Ratio Lower Upper
75 100
53 0.0 109.4 164.2#
89 0.0 37.0 55.6#



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

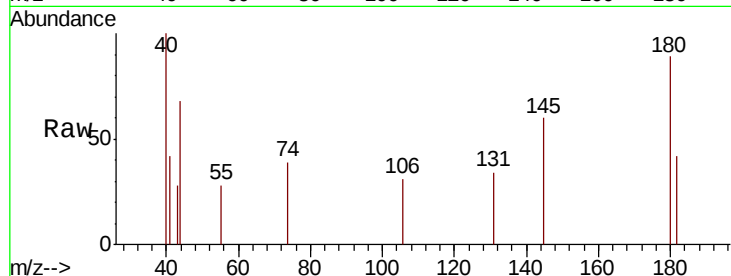




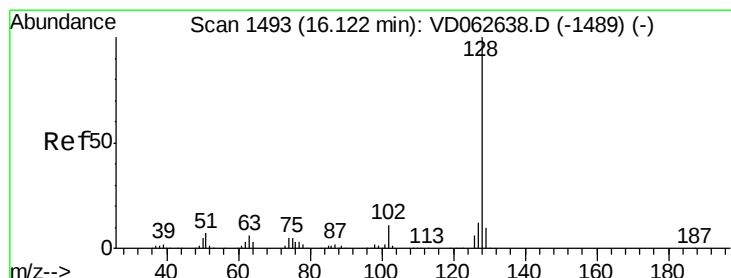
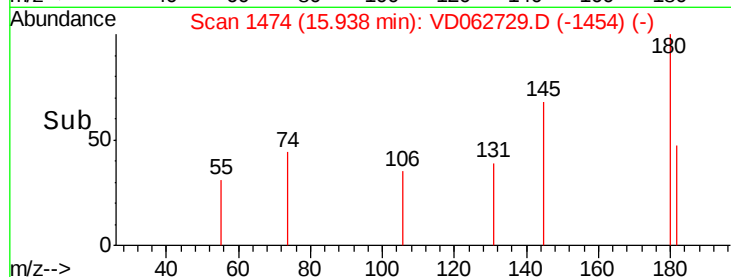
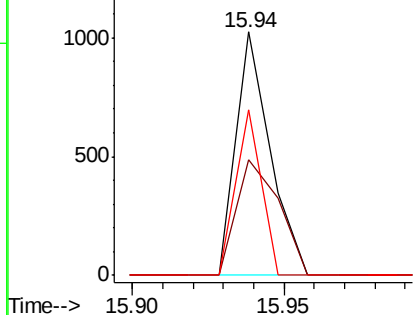
#93
 1,2,4-Trichlorobenzene
 Concen: 3.626 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062729.D
 Acq: 17 Jun 2019 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 GRAVEL-2

Tot Ion:180 Resp: 810
 Ion Ratio Lower Upper
 180 100
 182 47.2 49.4 148.2#
 145 67.9 14.5 43.6#

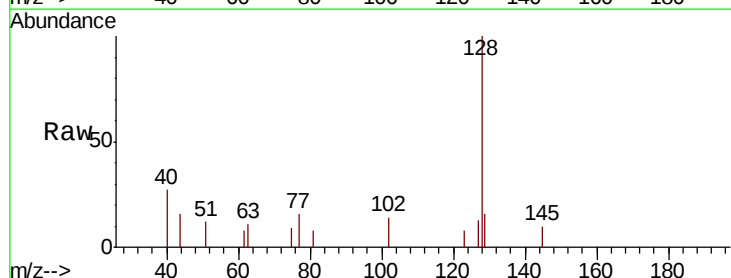


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 3.726 ug/l
 RT: 16.12 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VD062729.D
 Acq: 17 Jun 2019 16:23

Tgt Ion:128 Resp: 5482
 Ion Ratio Lower Upper
 128 100
 127 12.7 9.7 14.5
 129 16.3 8.1 12.1#



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

