

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
 Data File : VD062711.D
 Acq On : 14 Jun 2019 15:17
 Operator : VA/AP
 Sample : K3361-01
 Misc : 5.93g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B10

Quant Time: Jun 15 04:37:30 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	7.05	168	838018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1052284	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	822041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	329907	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	332441	27.49	ug/l	0.00
Spiked Amount			Recovery	=	54.98%	
35) Dibromofluoromethane	6.93	113	348624	31.41	ug/l	0.00
Spiked Amount			Recovery	=	62.82%	
50) Toluene-d8	10.41	98	638351	27.34	ug/l	0.00
Spiked Amount			Recovery	=	54.68%	
62) 4-Bromofluorobenzene	13.55	95	237279	21.79	ug/l	0.00
Spiked Amount			Recovery	=	43.58%	

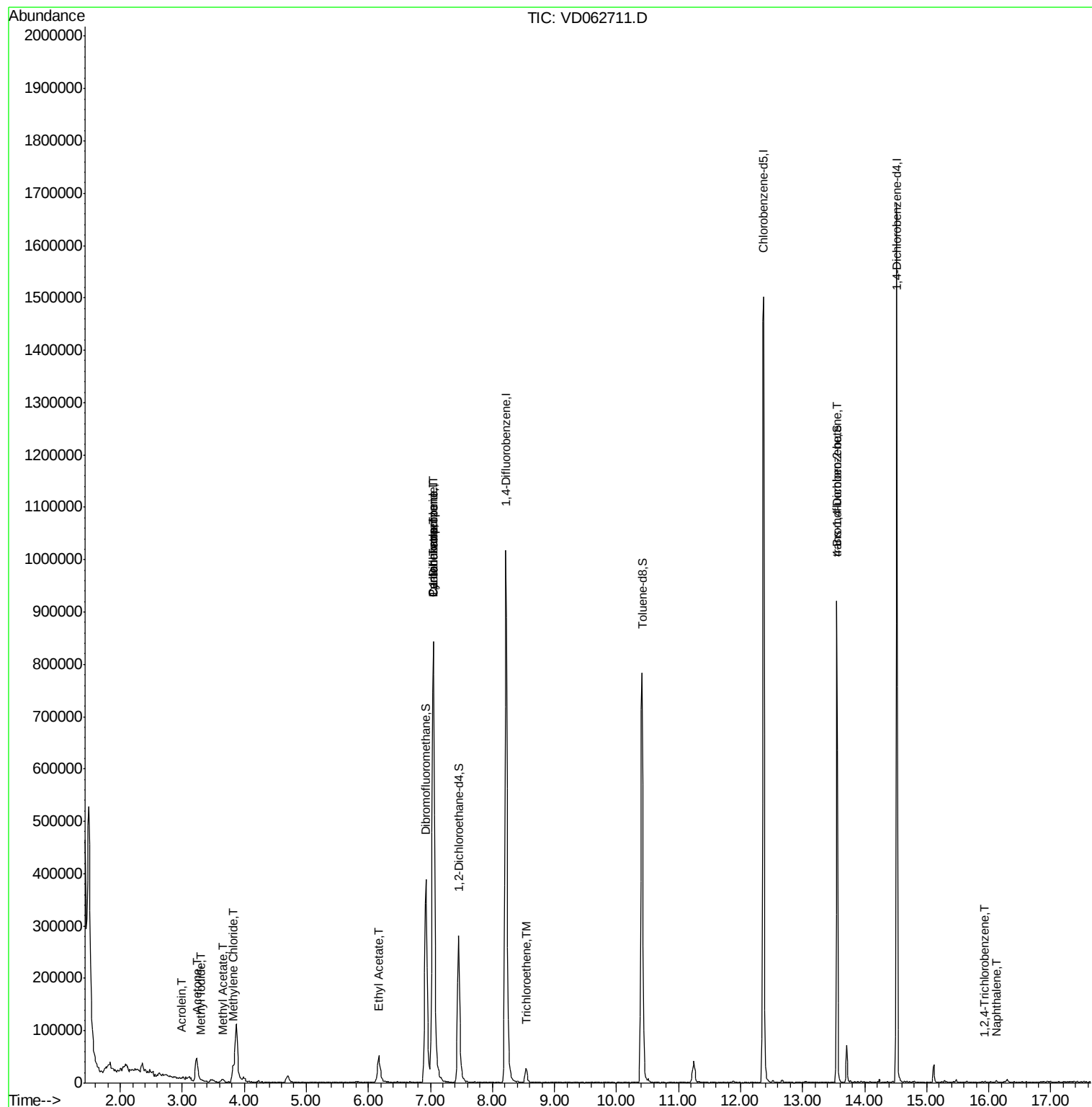
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	277	Below Cal	#	42
10) Methyl Iodide	3.31	142	1588	4.106	ug/l #	62
13) Acrolein	2.99	56	207	1.295	ug/l #	12
16) Acetone	3.24	43	102631	46.348	ug/l	97
18) Methyl Acetate	3.65	43	10968	3.014	ug/l	96
20) Methylene Chloride	3.82	84	16313	1.522	ug/l #	91
31) Cyclohexane	7.05	56	19246	2.017	ug/l #	17
36) 1,1-Dichloropropene	7.05	75	70521	5.856	ug/l #	50
37) Ethyl Acetate	6.16	43	4251	2.009	ug/l #	54
38) Carbon Tetrachloride	7.06	117	84619	4.445	ug/l #	17
44) Trichloroethene	8.54	130	12354	1.294	ug/l	76
81) trans-1,4-Dichloro-2-buten	13.55	75	114417	83.427	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	253	3.596	ug/l #	86
95) Naphthalene	16.12	128	2310	3.629	ug/l #	71

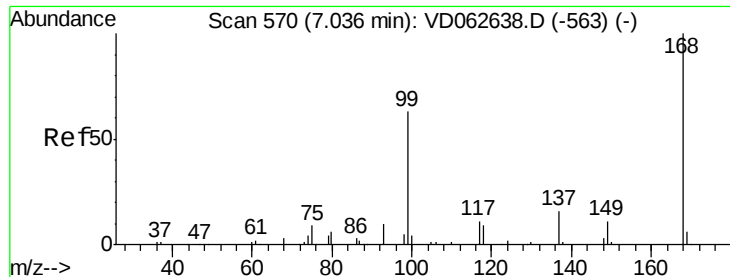
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061419\
Data File : VD062711.D
Acq On : 14 Jun 2019 15:17
Operator : VA/AP
Sample : K3361-01
Misc : 5.93g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BAT-B10

Quant Time: Jun 15 04:37:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
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: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062711.D

Acq: 14 Jun 2019 15:17

Instrument :

MSVOA_D

ClientSampleId :

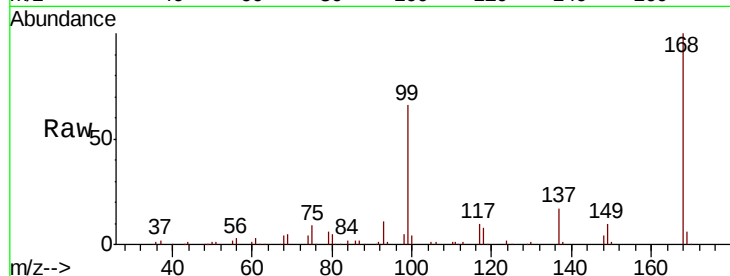
BAT-B10

Tot Ion:168 Resp: 838018

Ion Ratio Lower Upper

168 100

99 65.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

250000

200000

150000

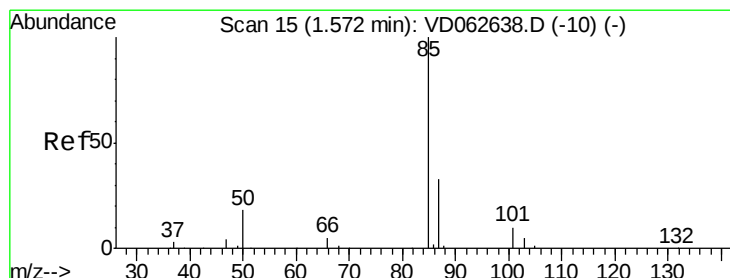
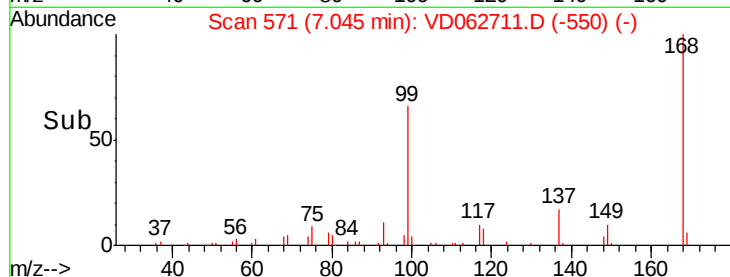
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062711.D

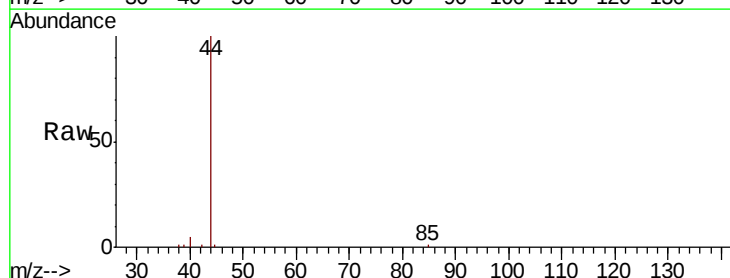
Acq: 14 Jun 2019 15:17

Tgt Ion: 85 Resp: 277

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

500

400

300

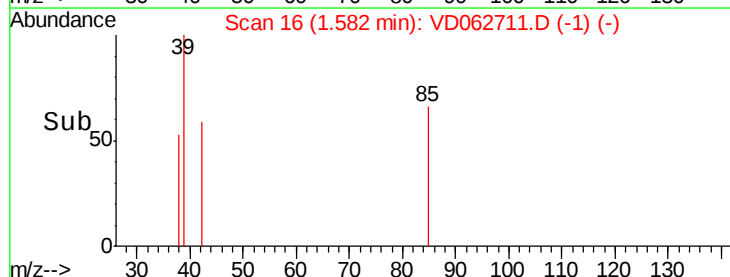
200

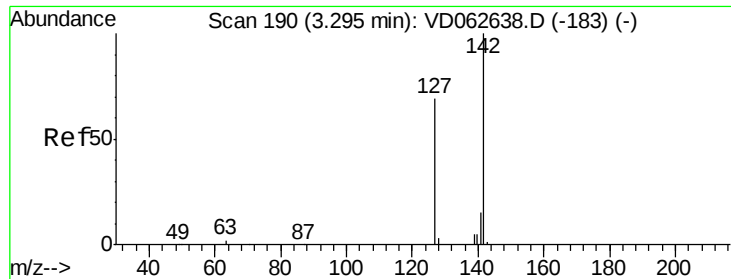
100

0

Time-->

1.56 1.58 1.60

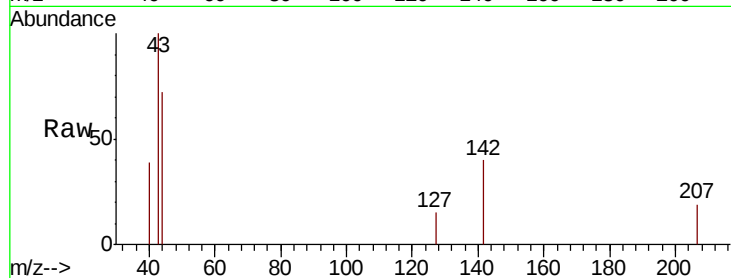




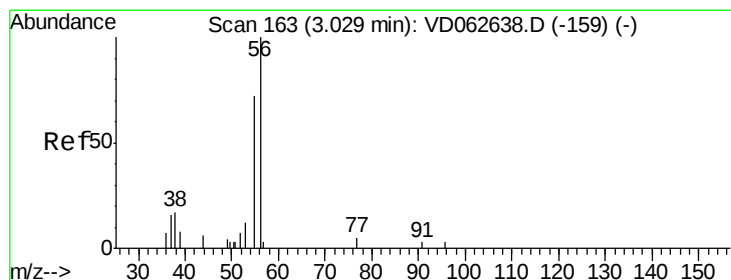
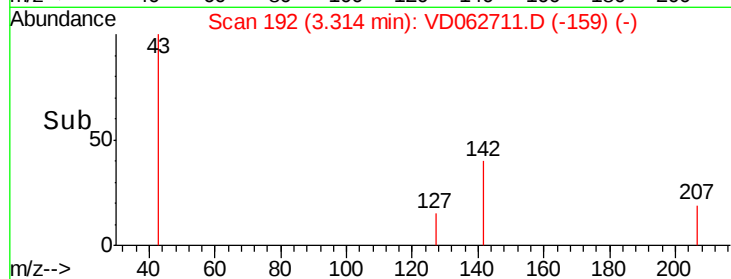
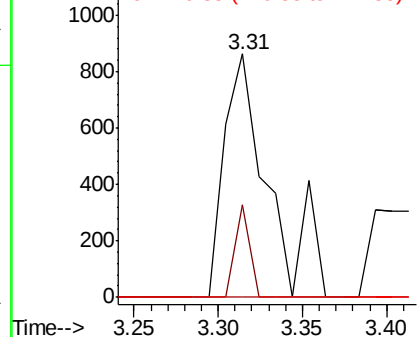
#10
Methvl Iodide
Concen: 4.106 ug/l
RT: 3.31 min Scan# 192
Delta R.T. 0.02 min
Lab File: VD062711.D
Acq: 14 Jun 2019 15:17

Instrument :
MSVOA_D
ClientSampleId :
BAT-B10

Tot Ion:142 Resp: 1588
Ion Ratio Lower Upper
142 100
127 38.1 55.2 82.8#
141 0.0 12.1 18.1#

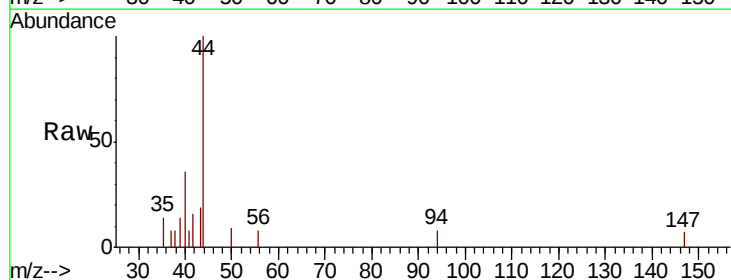


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

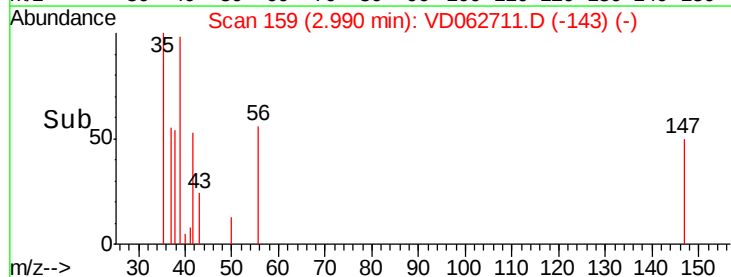
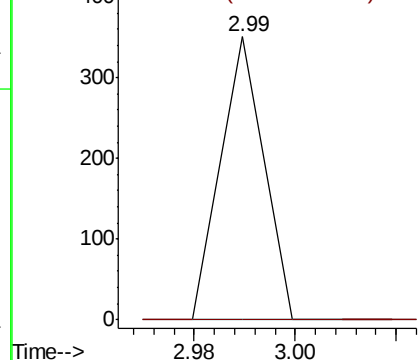


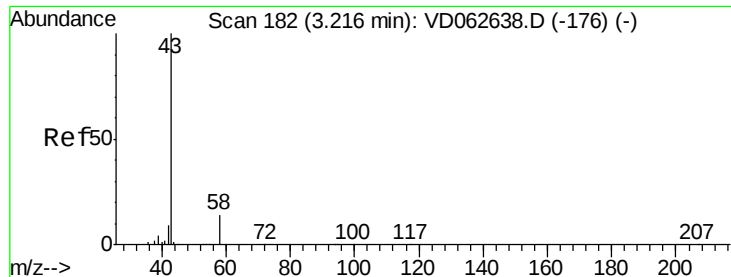
#13
Acrolein
Concen: 1.295 ug/l
RT: 2.99 min Scan# 159
Delta R.T. -0.04 min
Lab File: VD062711.D
Acq: 14 Jun 2019 15:17

Tgt Ion: 56 Resp: 207
Ion Ratio Lower Upper
56 100
55 0.0 59.4 89.0#



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





#16

Acetone

Concen: 46.348 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD062711.D

Acq: 14 Jun 2019 15:17

Instrument :

MSVOA_D

ClientSampleId :

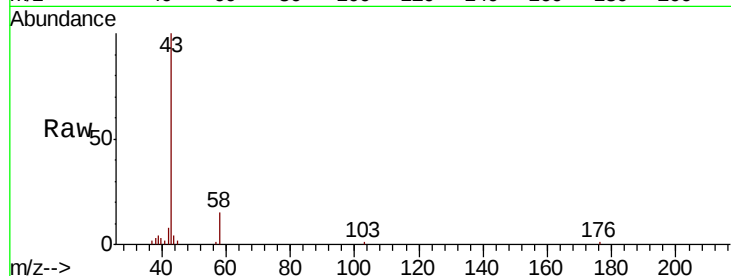
BAT-B10

Tot Ion: 43 Resp: 102631

Ion Ratio Lower Upper

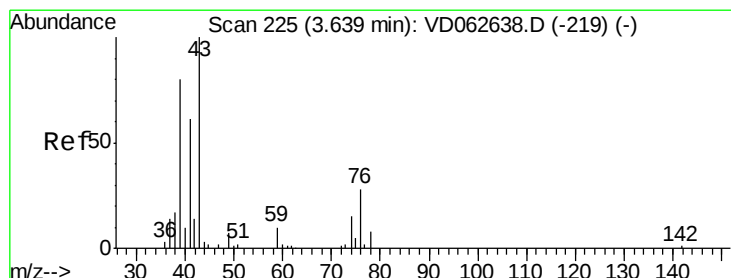
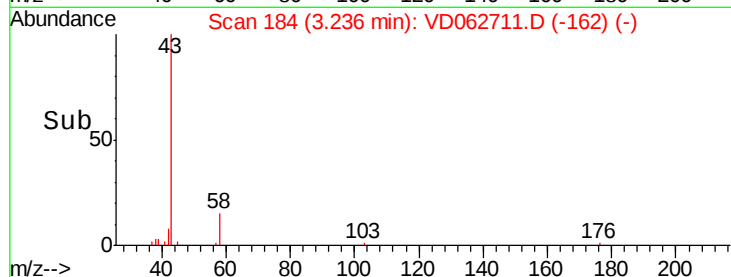
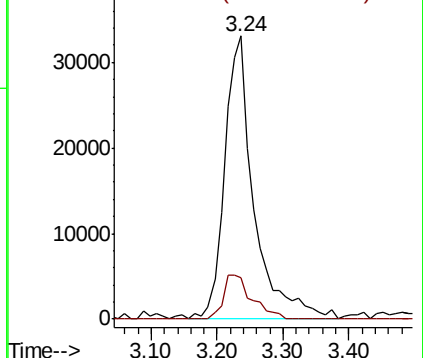
43 100

58 14.8 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 3.014 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062711.D

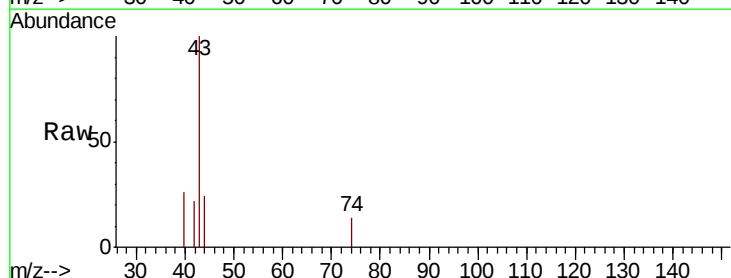
Acq: 14 Jun 2019 15:17

Tgt Ion: 43 Resp: 10968

Ion Ratio Lower Upper

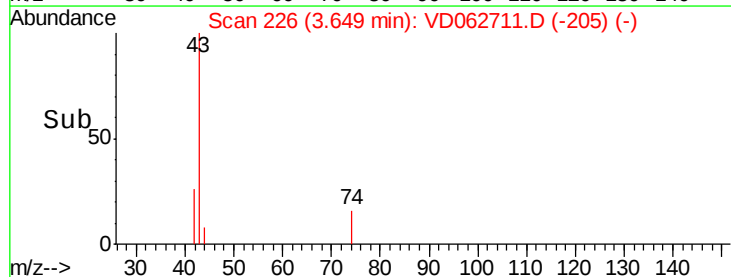
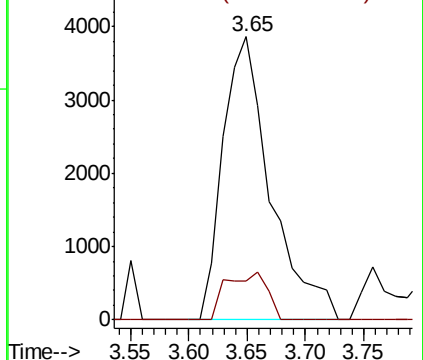
43 100

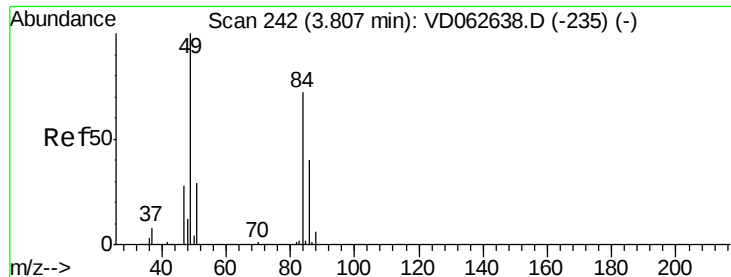
74 13.5 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

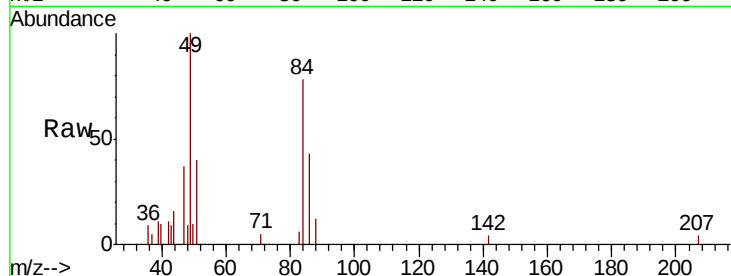




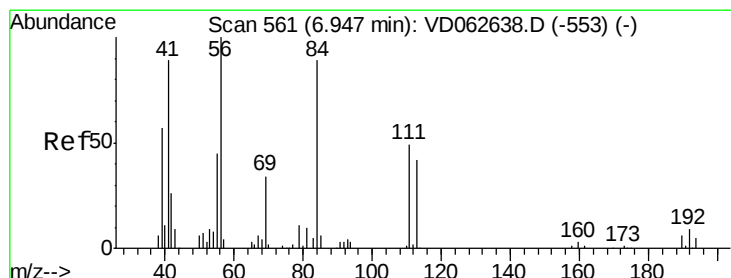
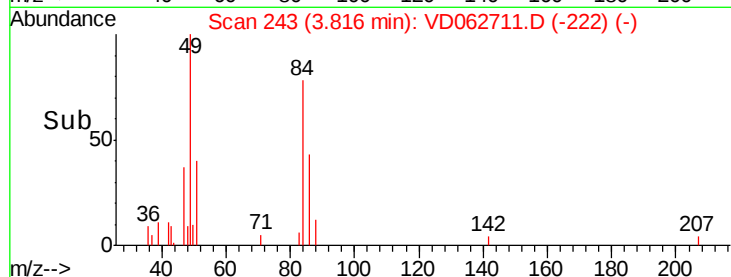
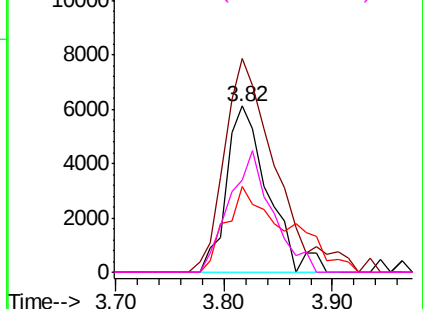
#20
Methvlene Chloride
Concen: 1.522 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD062711.D
Acq: 14 Jun 2019 15:17

Instrument :
MSVOA_D
ClientSampleId :
BAT-B10

Tot Ion: 84 Resp: 16313
Ion Ratio Lower Upper
84 100
49 128.4 111.2 166.8
51 51.2 31.9 47.9#
86 55.0 44.7 67.1

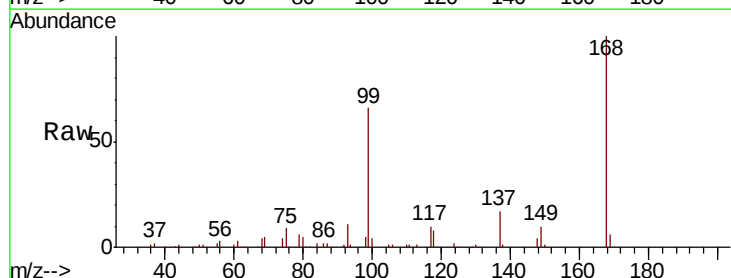


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

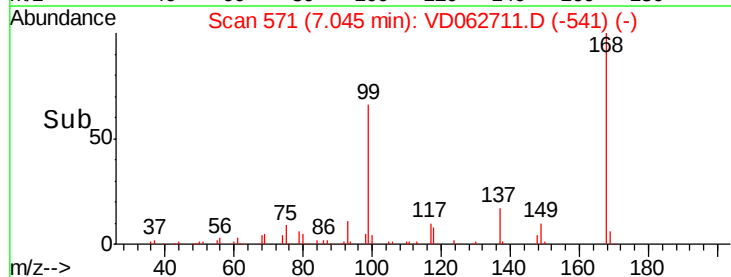
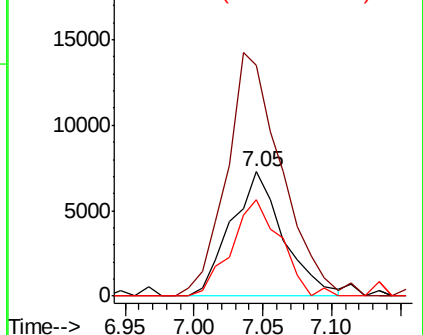


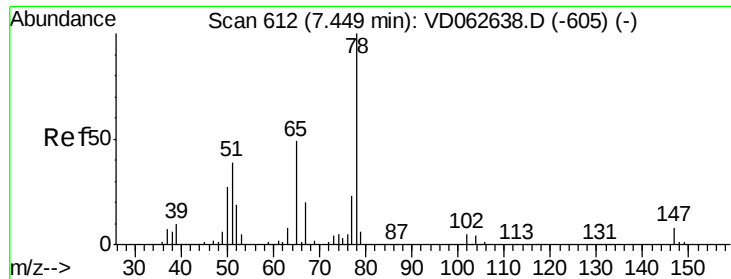
#31
Cyclohexane
Concen: 2.017 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.10 min
Lab File: VD062711.D
Acq: 14 Jun 2019 15:17

Tgt Ion: 56 Resp: 19246
Ion Ratio Lower Upper
56 100
69 185.9 26.8 40.2#
84 77.4 73.9 110.9



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 27.491 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD062711.D

Acq: 14 Jun 2019 15:17

Instrument :

MSVOA_D

ClientSampleId :

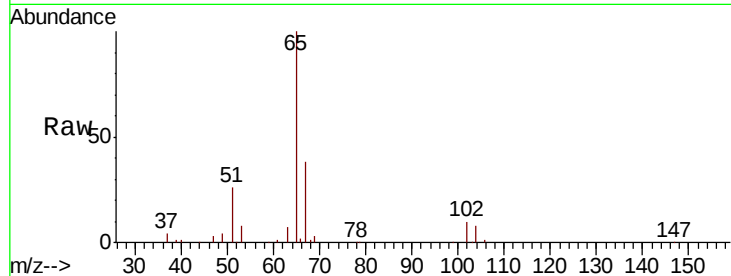
BAT-B10

Tot Ion: 65 Resp: 332441

Ion Ratio Lower Upper

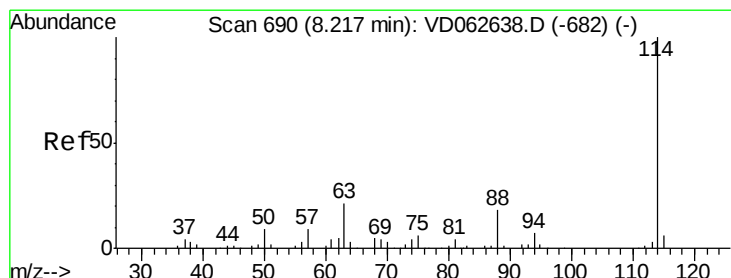
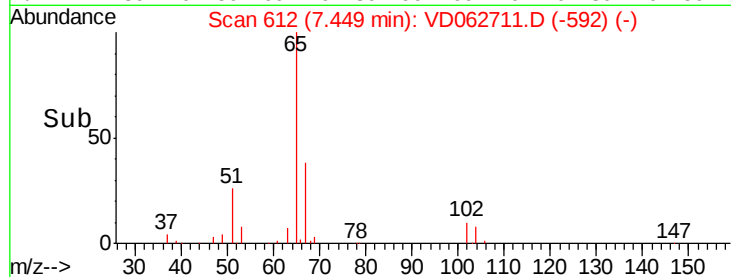
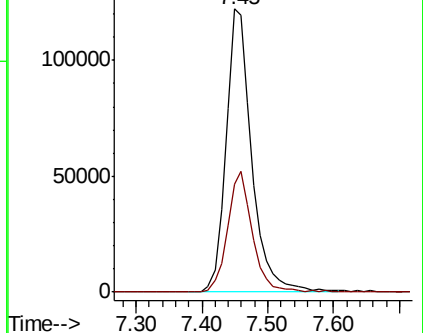
65 100

67 38.3 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: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD062711.D

Acq: 14 Jun 2019 15:17

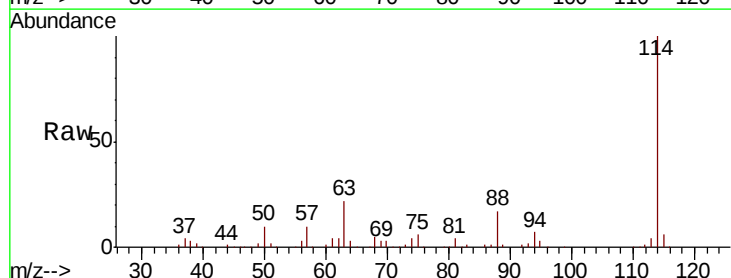
Tgt Ion: 114 Resp: 1052284

Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.4

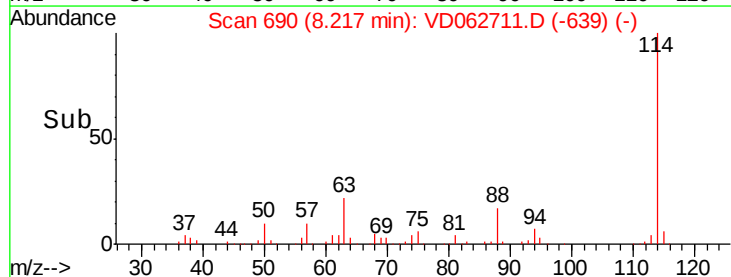
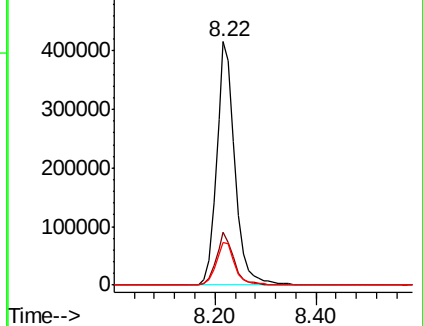
88 17.4 0.0 36.8

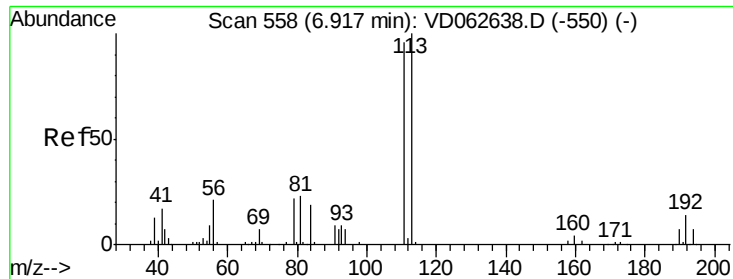


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 31.414 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD062711.D

Acq: 14 Jun 2019 15:17

Instrument :

MSVOA_D

ClientSampleId :

BAT-B10

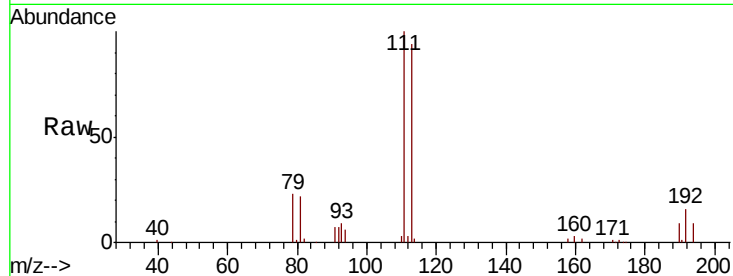
Tot Ion:113 Resp: 348624

Ion Ratio Lower Upper

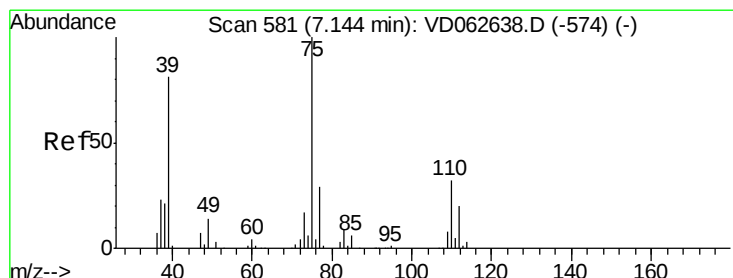
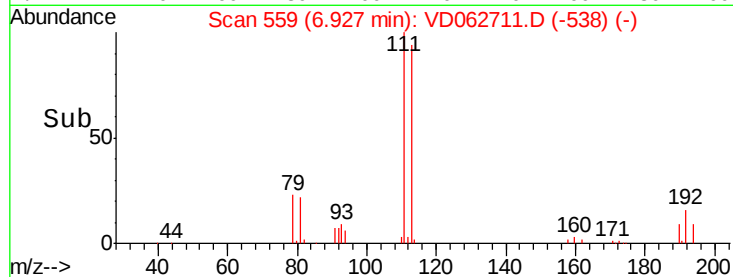
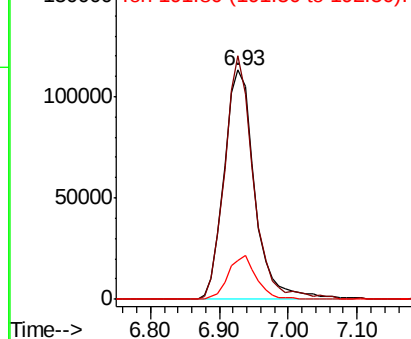
113 100

111 106.1 76.4 114.6

192 17.1 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: 5.856 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062711.D

Acq: 14 Jun 2019 15:17

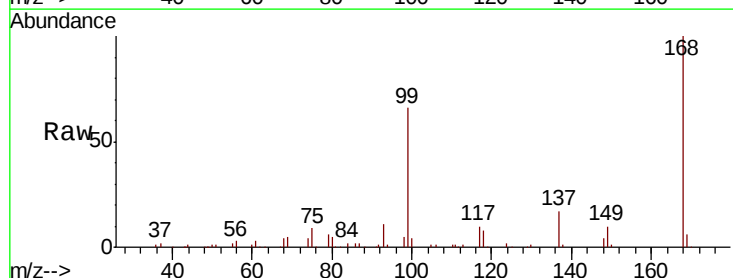
Tgt Ion: 75 Resp: 70521

Ion Ratio Lower Upper

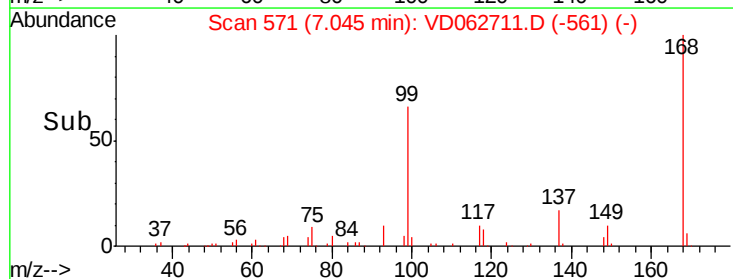
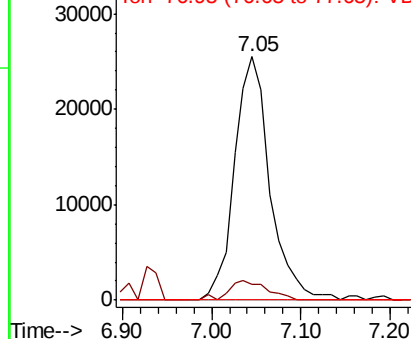
75 100

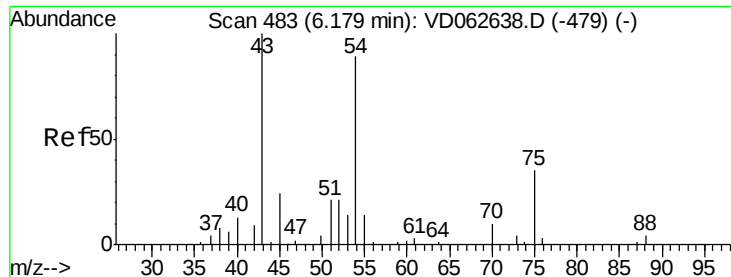
110 6.5 15.9 47.7#

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: 2.009 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.02 min

Lab File: VD062711.D

Acq: 14 Jun 2019 15:17

Instrument :

MSVOA_D

ClientSampleId :

BAT-B10

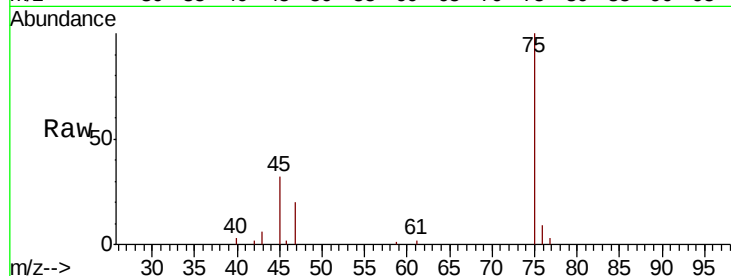
Tot Ion: 43 Resp: 4251

Ion Ratio Lower Upper

43 100

61 34.6 8.7 13.1#

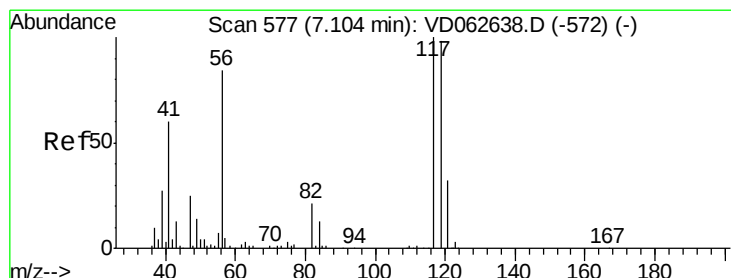
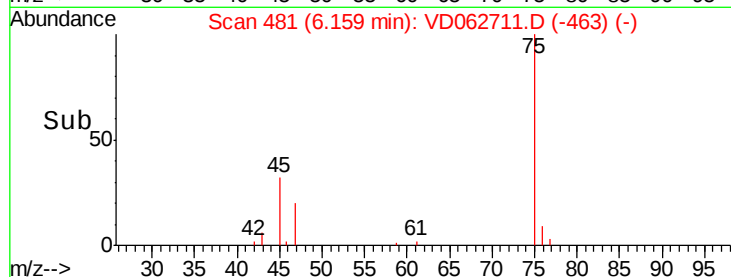
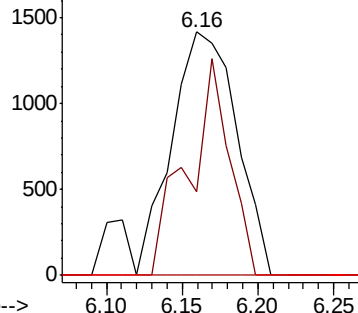
70 0.0 6.5 9.7#



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



#38

Carbon Tetrachloride

Concen: 4.445 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.05 min

Lab File: VD062711.D

Acq: 14 Jun 2019 15:17

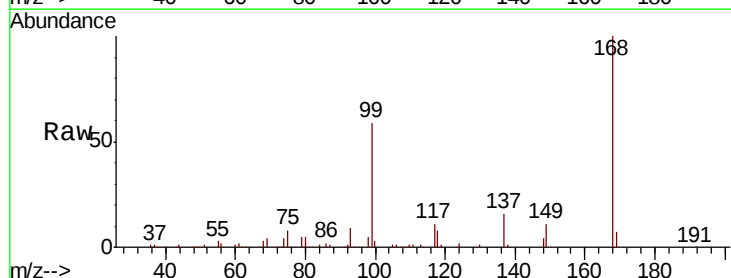
Tgt Ion: 117 Resp: 84619

Ion Ratio Lower Upper

117 100

119 4.5 73.5 110.3#

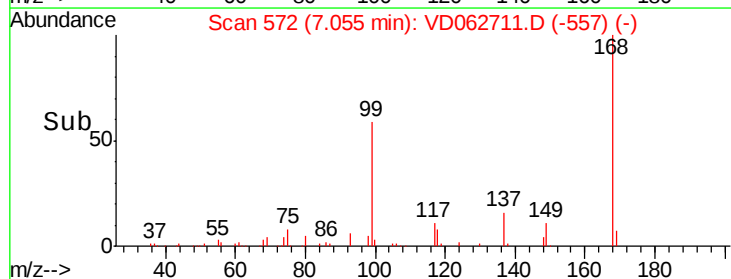
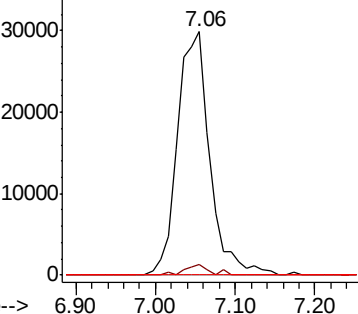
121 0.0 24.2 36.4#

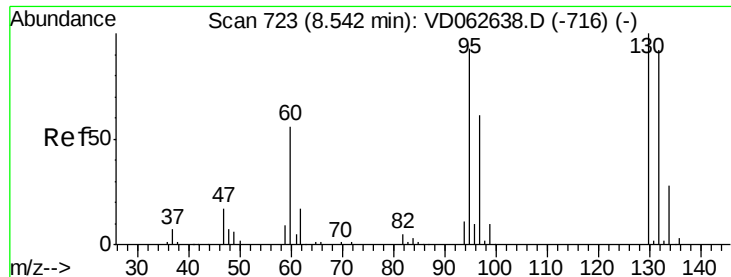


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#44

Trichloroethene

Concen: 1.294 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD062711.D

Acq: 14 Jun 2019 15:17

Instrument :

MSVOA_D

ClientSampleId :

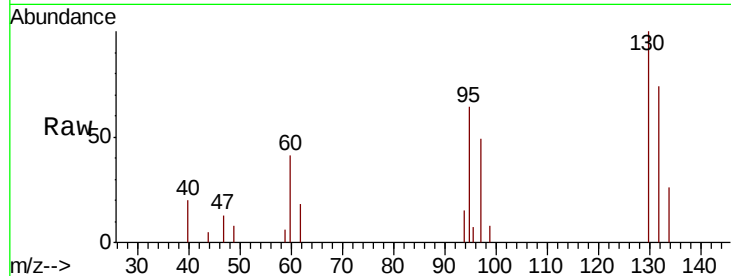
BAT-B10

Tot Ion:130 Resp: 12354

Ion Ratio Lower Upper

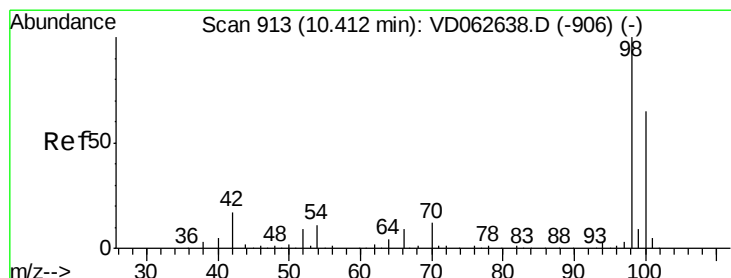
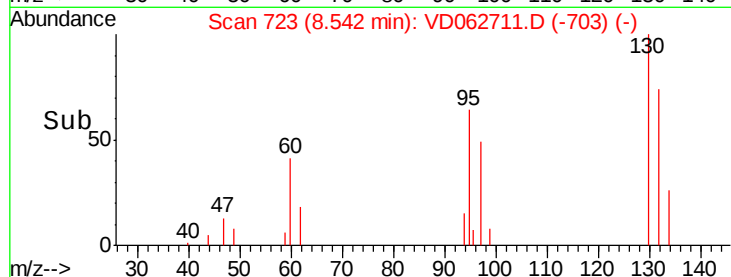
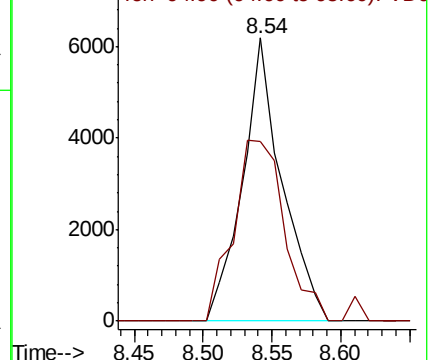
130 100

95 70.2 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: 27.343 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062711.D

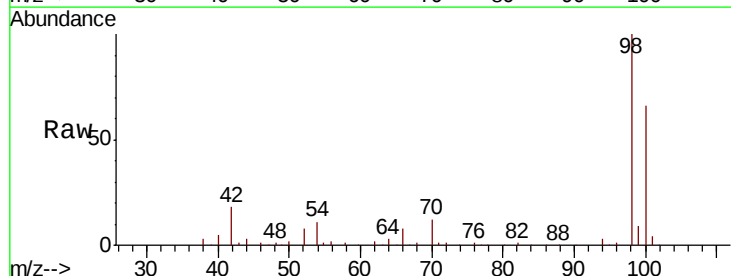
Acq: 14 Jun 2019 15:17

Tgt Ion: 98 Resp: 638351

Ion Ratio Lower Upper

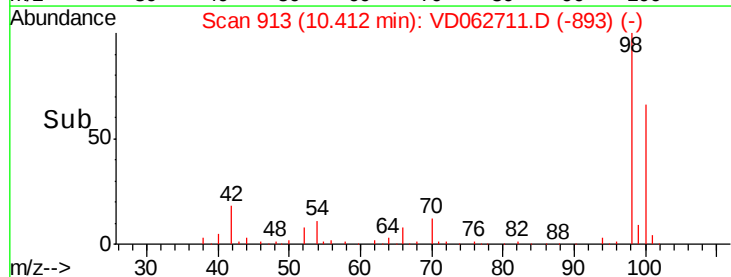
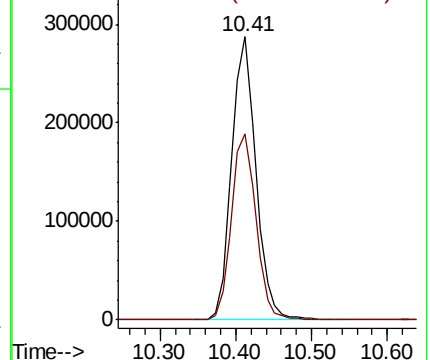
98 100

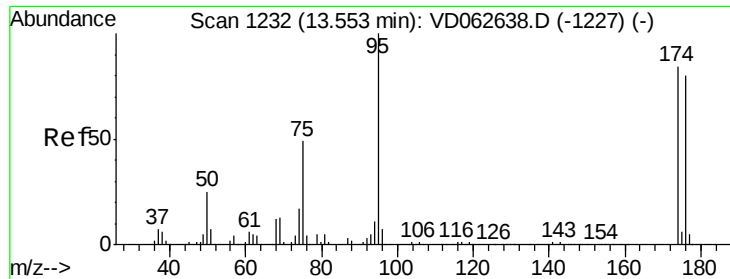
100 65.6 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: 21.786 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062711.D

Acq: 14 Jun 2019 15:17

Instrument :

MSVOA_D

ClientSampleId :

BAT-B10

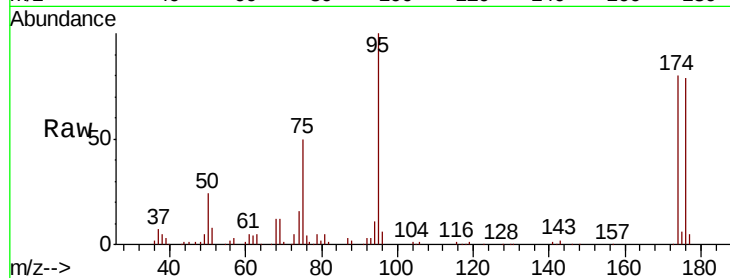
Tot Ion: 95 Resp: 237279

Ion Ratio Lower Upper

95 100

174 80.2 0.0 167.0

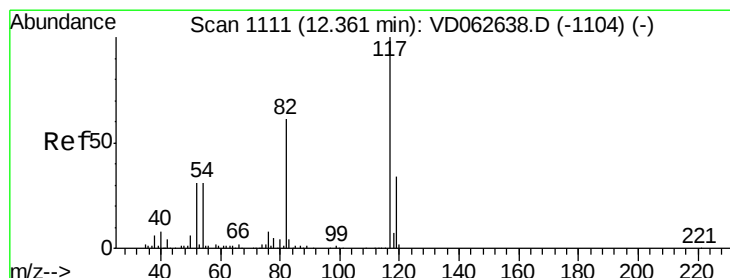
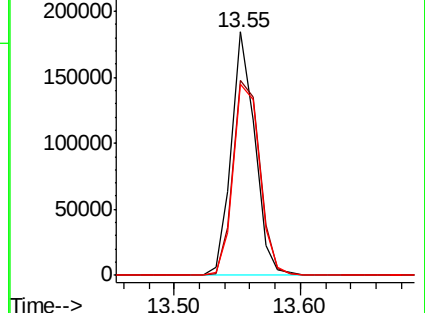
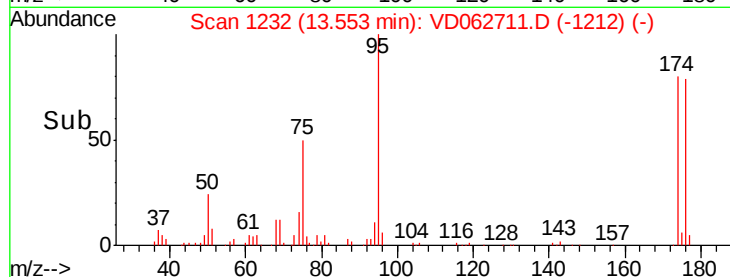
176 78.6 0.0 159.2



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD062711.D

Acq: 14 Jun 2019 15:17

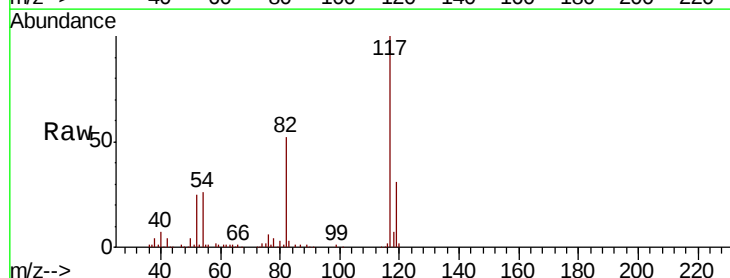
Tgt Ion: 117 Resp: 822041

Ion Ratio Lower Upper

117 100

82 51.5 48.7 73.1

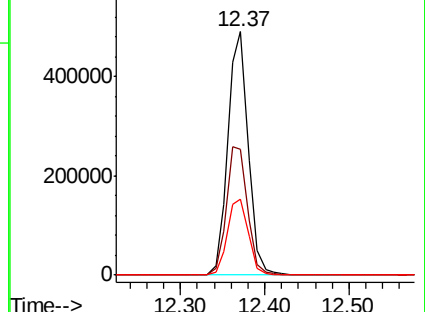
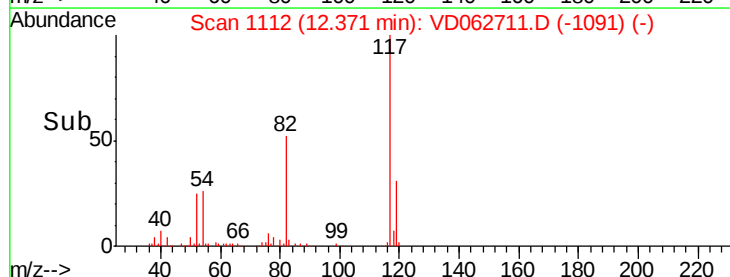
119 30.9 27.0 40.6

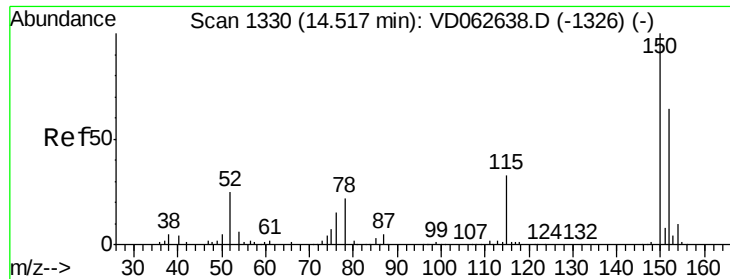


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062711.D

Acq: 14 Jun 2019 15:17

Instrument :

MSVOA_D

ClientSampleId :

BAT-B10

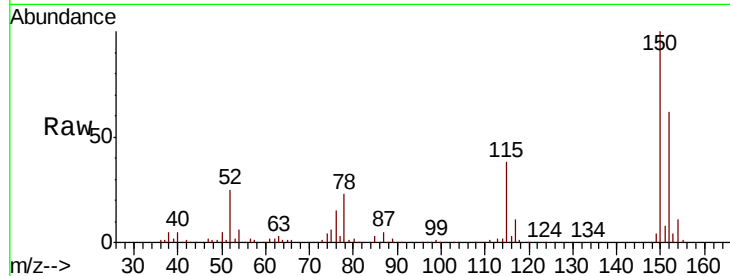
Tot Ion:152 Resp: 329907

Ion Ratio Lower Upper

152 100

115 61.7 30.1 90.5

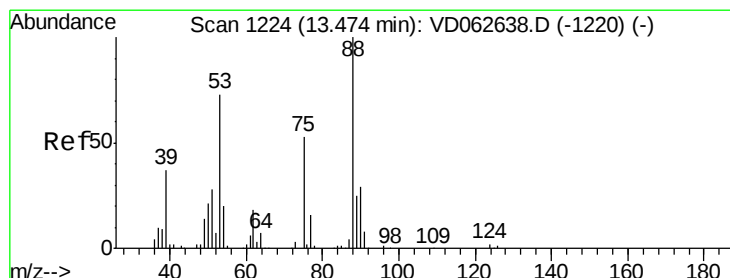
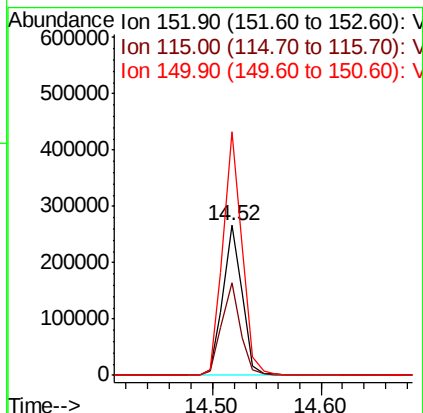
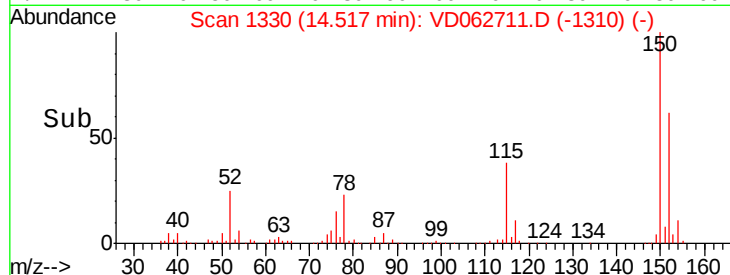
150 162.2 0.0 314.0



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: 83.427 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062711.D

Acq: 14 Jun 2019 15:17

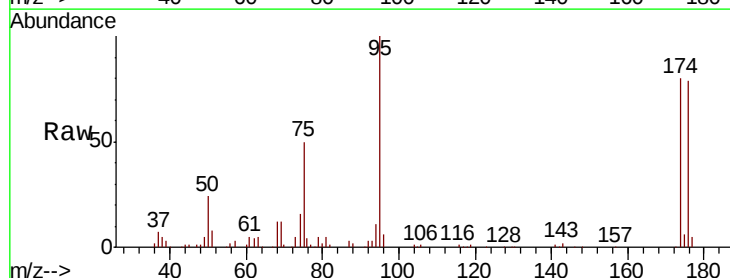
Tgt Ion: 75 Resp: 114417

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

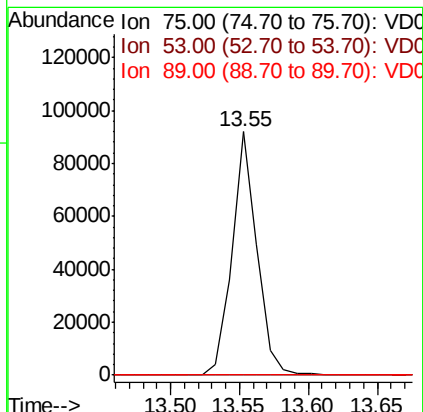
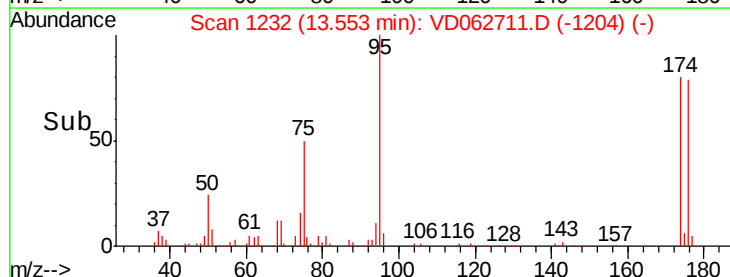
89 0.0 37.0 55.6#

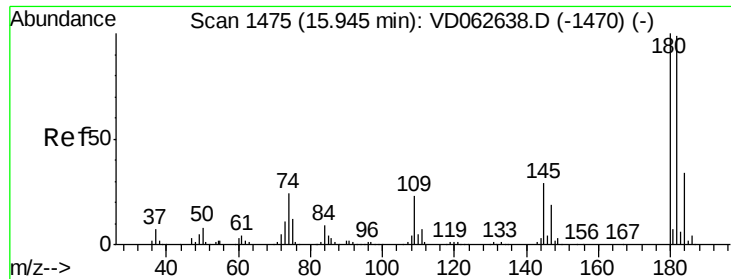


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

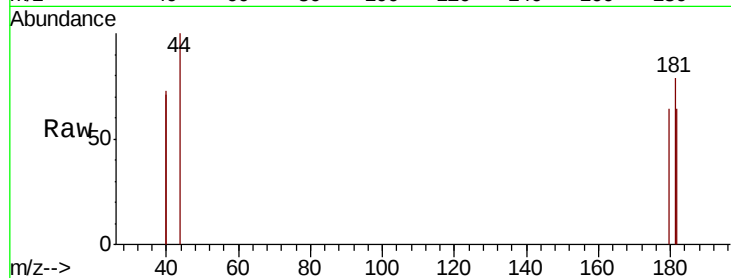




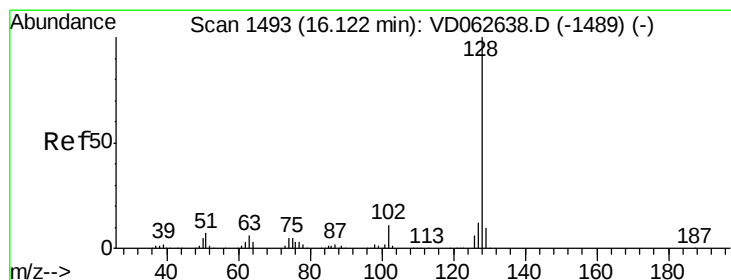
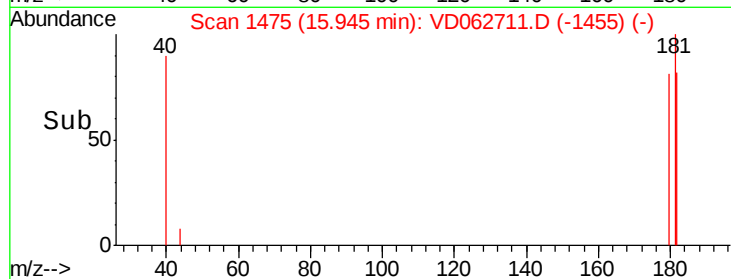
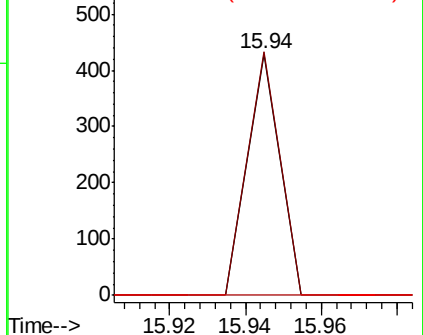
#93
 1,2,4-Trichlorobenzene
 Concen: 3.596 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062711.D
 Acq: 14 Jun 2019 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B10

Tot Ion:180 Resp: 253
 Ion Ratio Lower Upper
 180 100
 182 100.9 49.4 148.2
 145 0.0 14.5 43.6#

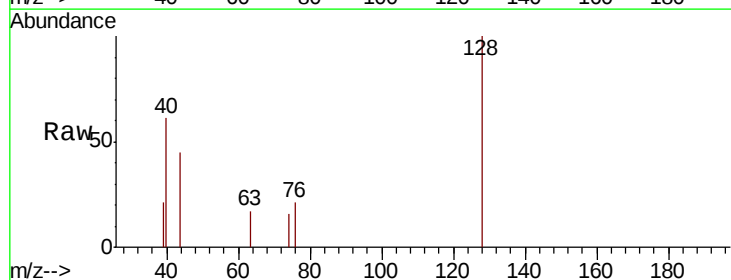


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 3.629 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VD062711.D
 Acq: 14 Jun 2019 15:17

Tgt Ion:128 Resp: 2310
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.7 14.5#
 129 0.0 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

