

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063213.D
 Acq On : 29 Jul 2019 22:35
 Operator : VA/AP
 Sample : VD0729SBL02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBL02

Quant Time: Jul 30 04:02:15 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	7.05	168	1159624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1490390	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1282033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	698452	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	641959	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
35) Dibromofluoromethane	6.92	113	724605	56.94	ug/l	0.00
Spiked Amount			Recovery	=	113.88%	
50) Toluene-d8	10.40	98	1565732	54.98	ug/l	0.00
Spiked Amount			Recovery	=	109.96%	
62) 4-Bromofluorobenzene	13.55	95	658734	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	

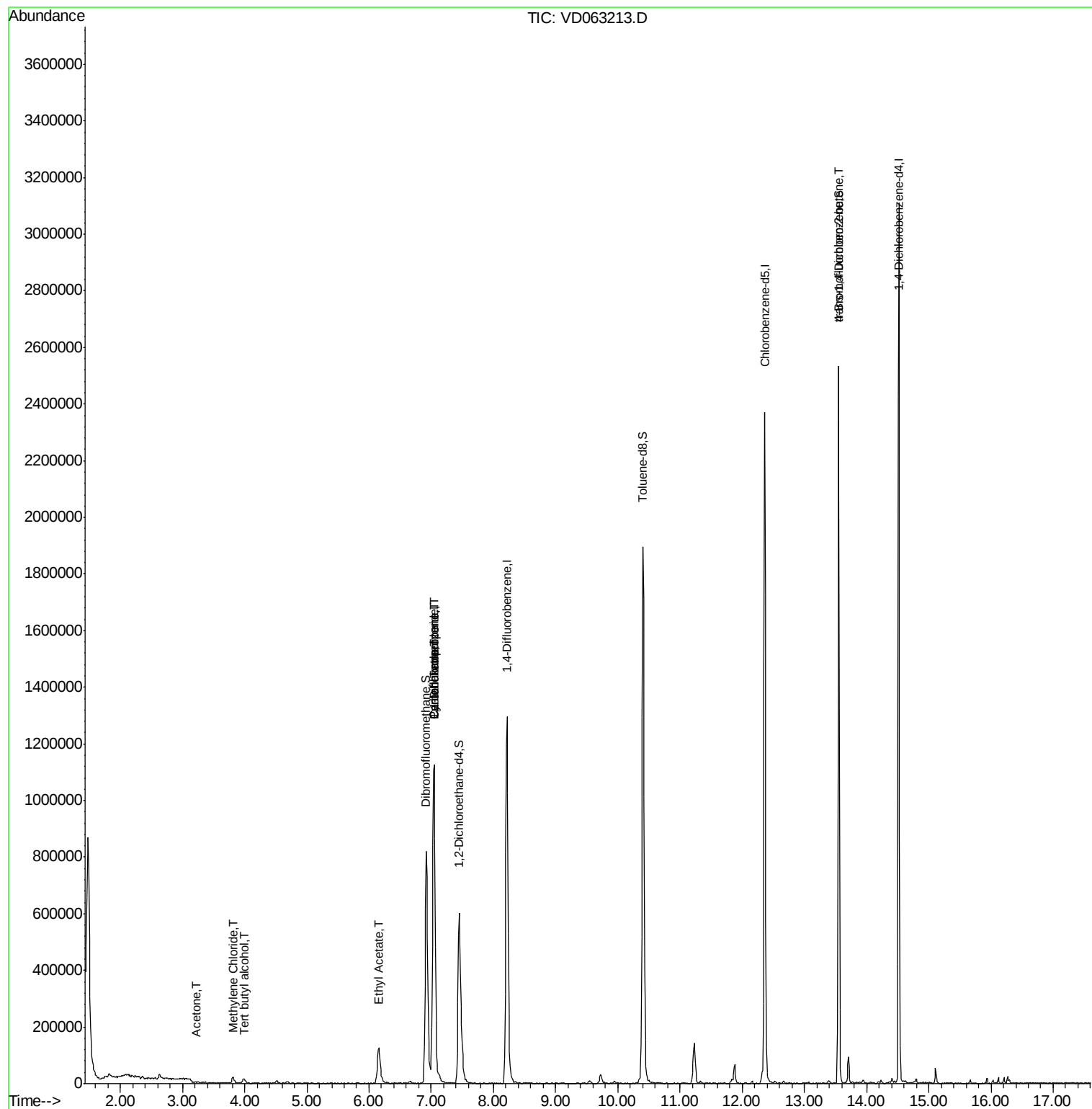
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.00	59	14544	25.757	ug/l #	69
16) Acetone	3.22	43	5699	2.273	ug/l #	92
20) Methylene Chloride	3.82	84	11378	1.123	ug/l #	95
31) Cyclohexane	7.04	56	25272	2.205	ug/l #	19
36) 1,1-Dichloropropene	7.04	75	84366	6.203	ug/l #	51
37) Ethyl Acetate	6.14	43	12216	1.999	ug/l #	33
38) Carbon Tetrachloride	7.05	117	116735	5.701	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	312809	134.279	ug/l #	3

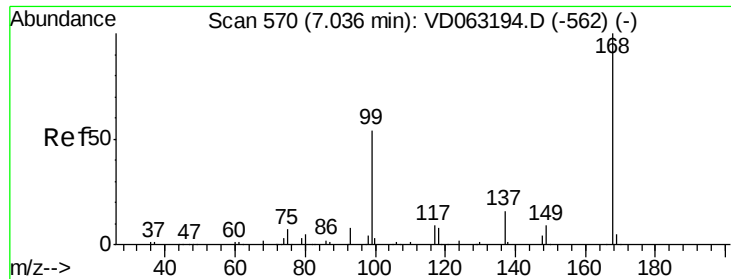
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
Data File : VD063213.D
Acq On : 29 Jul 2019 22:35
Operator : VA/AP
Sample : VD0729SBL02
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBL02

Quant Time: Jul 30 04:02:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063213.D

Acq: 29 Jul 2019 22:35

Instrument :

MSVOA_D

ClientSampleId :

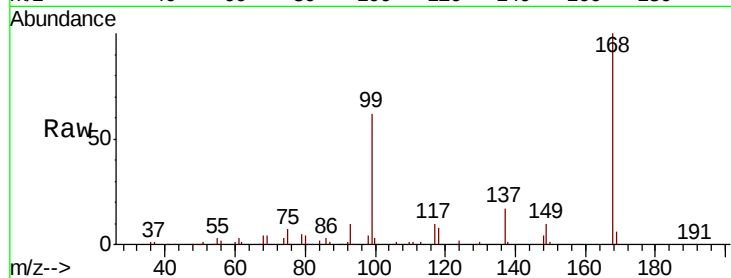
VD0729SBL02

Tot Ion:168 Resp: 1159624

Ion Ratio Lower Upper

168 100

99 61.5 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

400000

300000

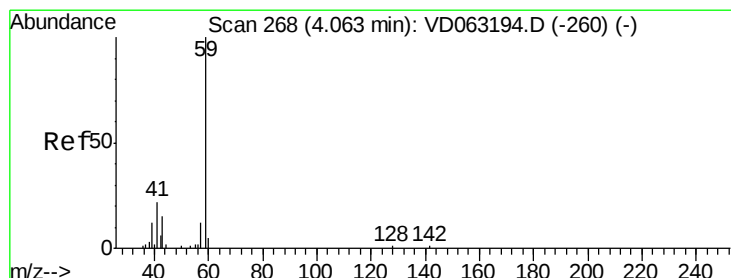
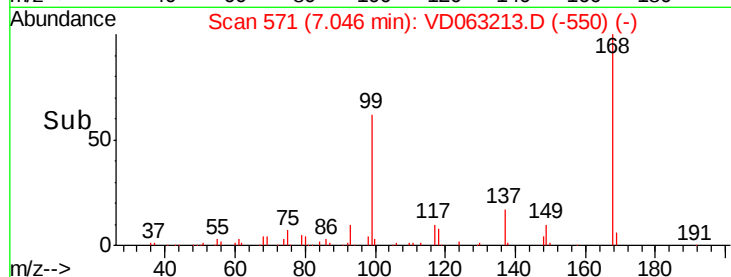
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 25.757 ug/l

RT: 4.00 min Scan# 262

Delta R.T. -0.06 min

Lab File: VD063213.D

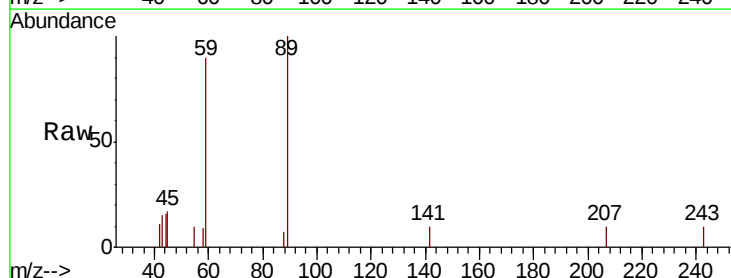
Acq: 29 Jul 2019 22:35

Tgt Ion: 59 Resp: 14544

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.00

5000

4000

3000

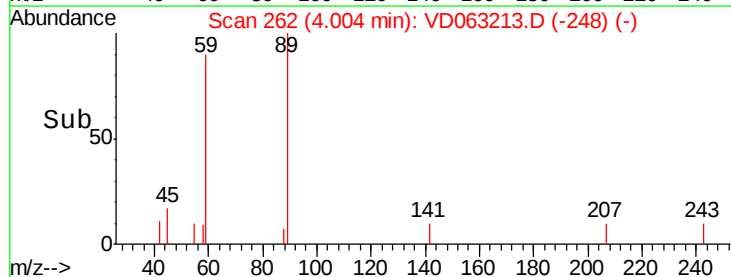
2000

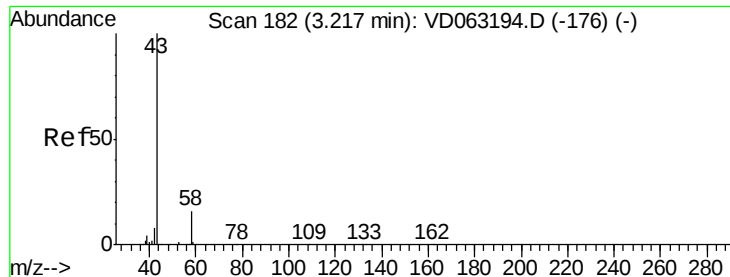
1000

0

3.90 4.00 4.10

Time-->





#16

Acetone

Concen: 2.273 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063213.D

Acq: 29 Jul 2019 22:35

Instrument :

MSVOA_D

ClientSampleId :

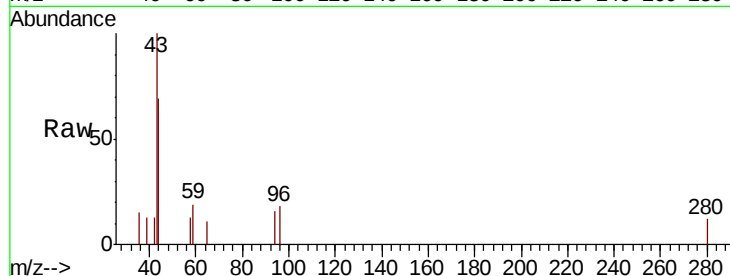
VD0729SBL02

Tot Ion: 43 Resp: 5699

Ion Ratio Lower Upper

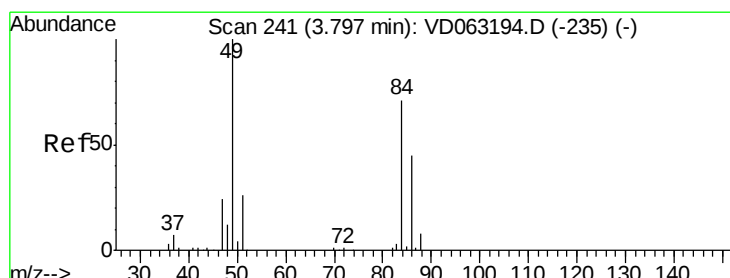
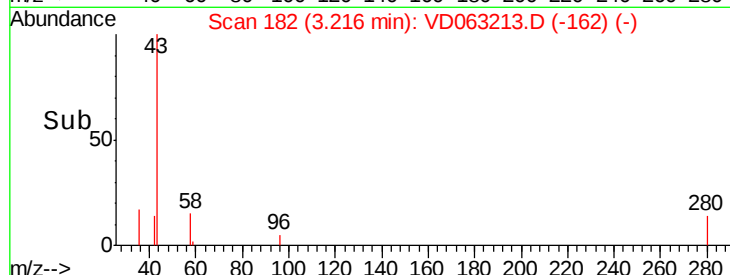
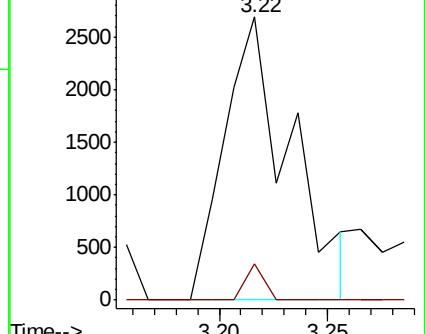
43 100

58 12.9 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.123 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD063213.D

Acq: 29 Jul 2019 22:35

Tgt Ion: 84 Resp: 11378

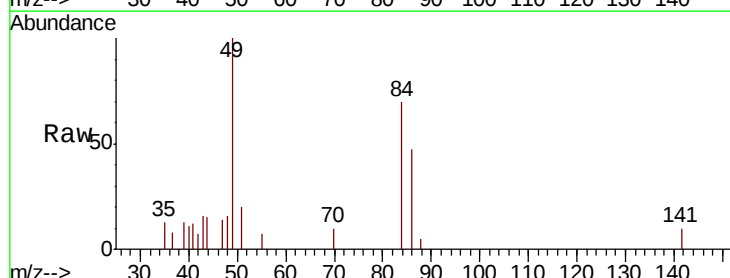
Ion Ratio Lower Upper

84 100

49 143.6 112.5 168.7

51 28.2 29.6 44.4#

86 67.4 50.4 75.6

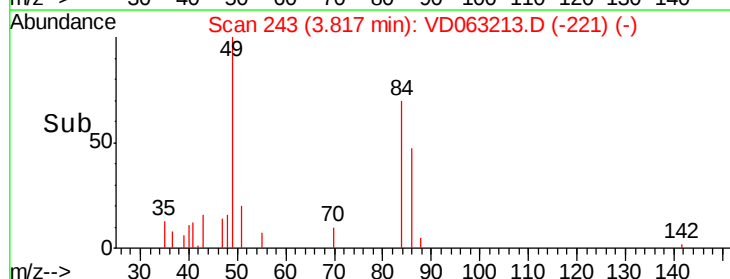
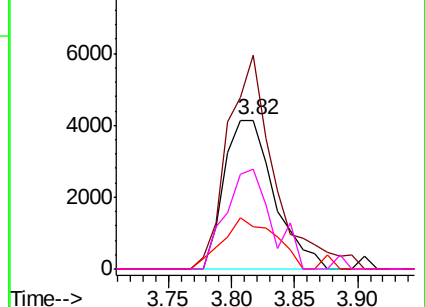


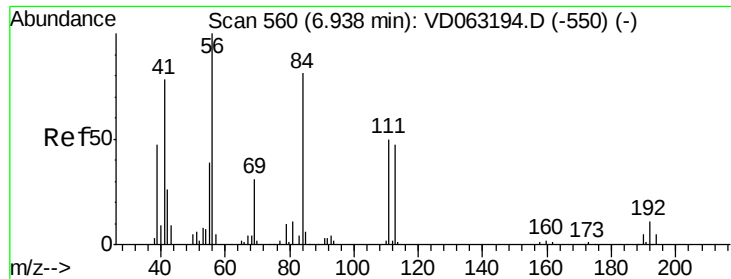
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

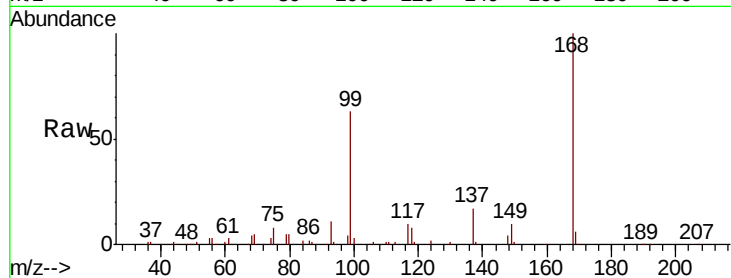




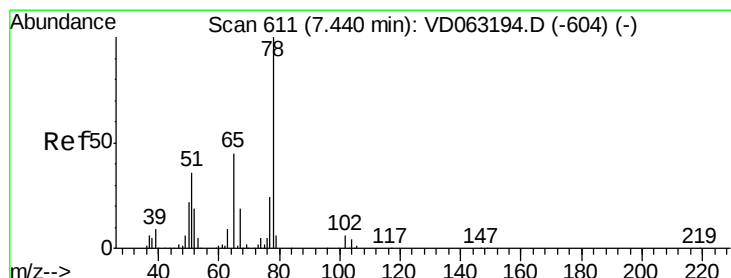
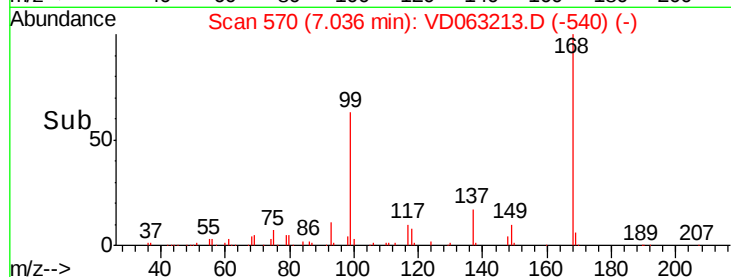
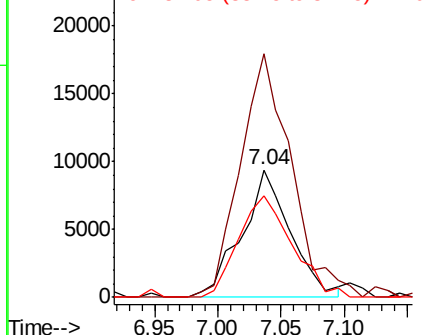
#31
Cyclohexane
Concen: 2.205 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063213.D
Acq: 29 Jul 2019 22:35

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBL02

Tot Ion: 56 Resp: 25272
Ion Ratio Lower Upper
56 100
69 190.8 24.5 36.7#
84 79.7 64.9 97.3

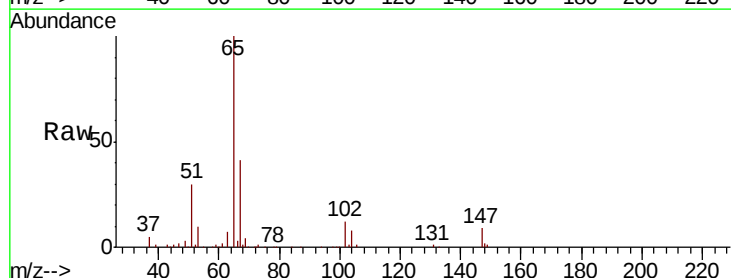


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

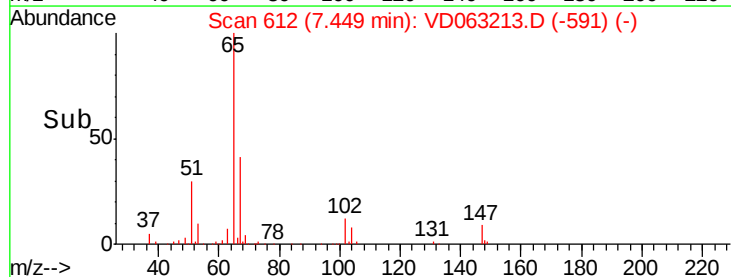
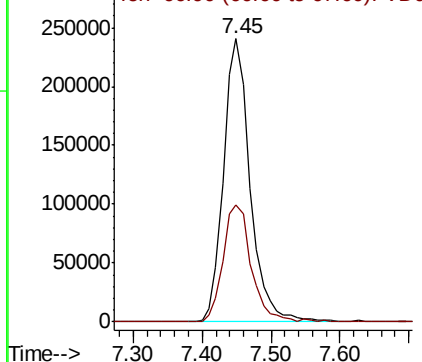


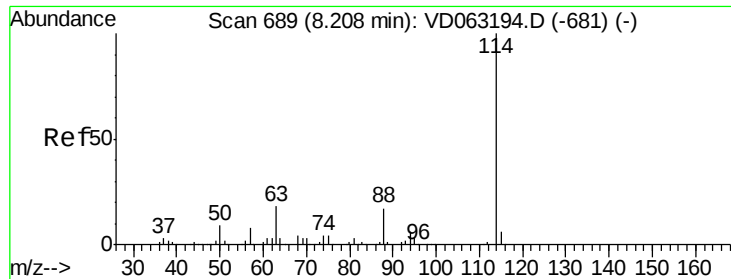
#33
1,2-Dichloroethane-d4
Concen: 49.891 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063213.D
Acq: 29 Jul 2019 22:35

Tgt Ion: 65 Resp: 641959
Ion Ratio Lower Upper
65 100
67 41.3 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



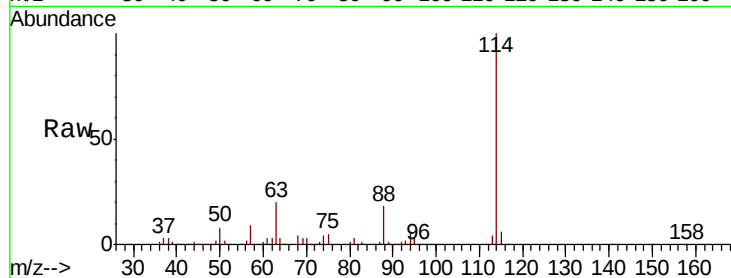


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063213.D
 Acq: 29 Jul 2019 22:35

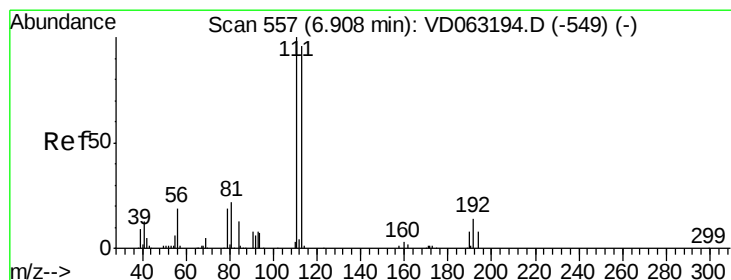
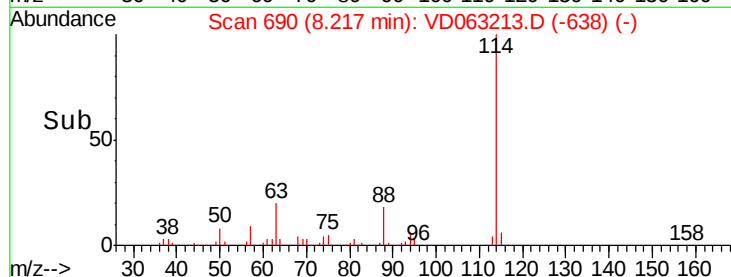
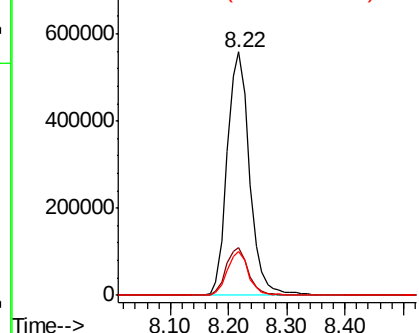
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBL02

Tot Ion:114 Resp: 1490390

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	35.2
88	18.1	0.0	34.6



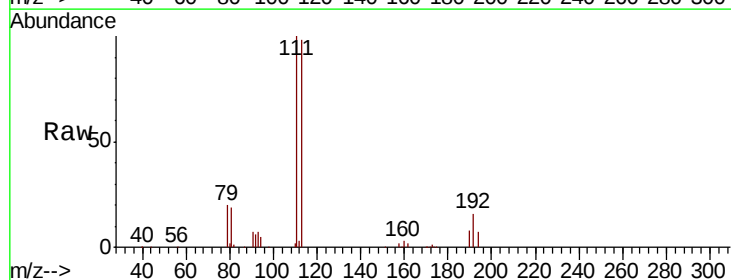
Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V



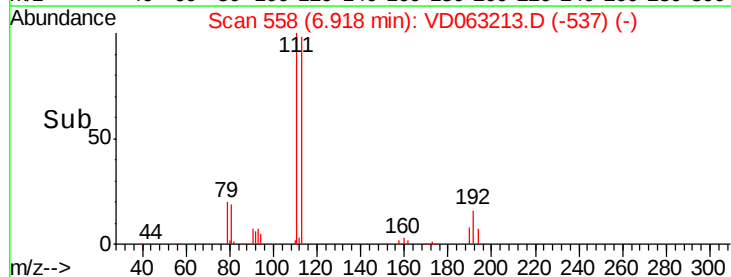
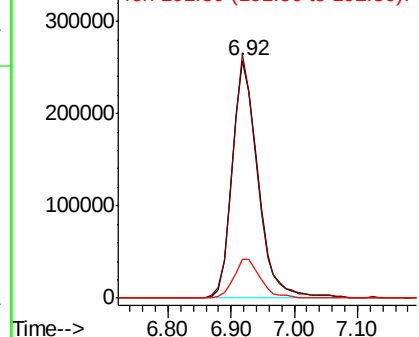
#35
 Dibromofluoromethane
 Concen: 56.944 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063213.D
 Acq: 29 Jul 2019 22:35

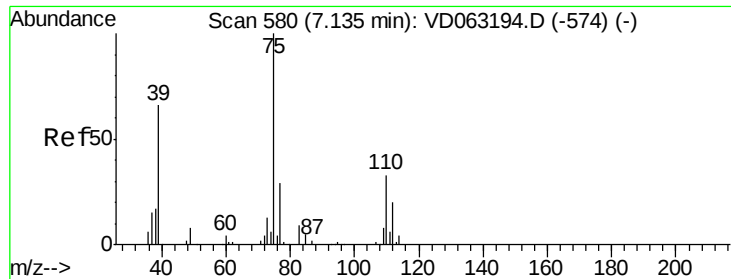
Tgt Ion:113 Resp: 724605

Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.2	124.8
192	16.2	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: 6.203 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD063213.D

Acq: 29 Jul 2019 22:35

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBL02

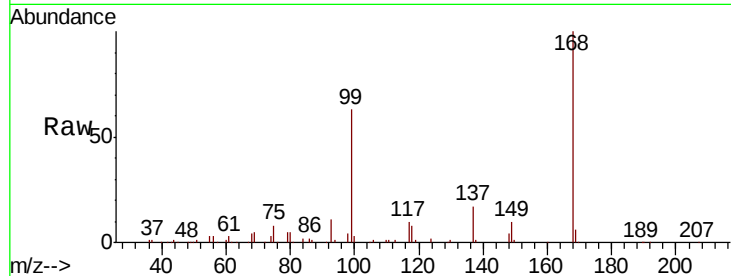
Tot Ion: 75 Resp: 84366

Ion Ratio Lower Upper

75 100

110 7.4 16.1 48.2#

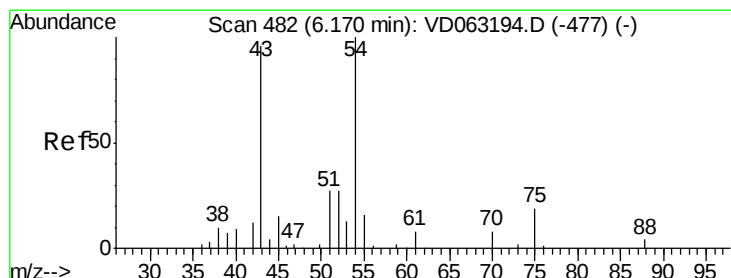
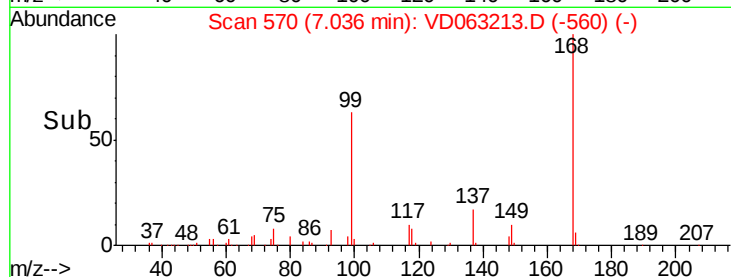
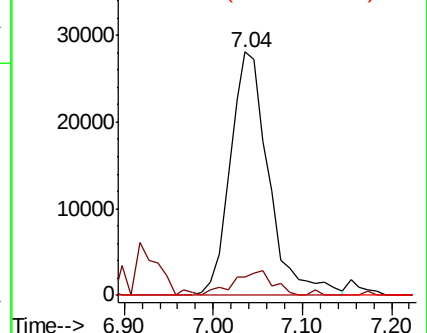
77 0.0 22.7 34.1#



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



#37

Ethyl Acetate

Concen: 1.999 ug/l

RT: 6.14 min Scan# 479

Delta R.T. -0.03 min

Lab File: VD063213.D

Acq: 29 Jul 2019 22:35

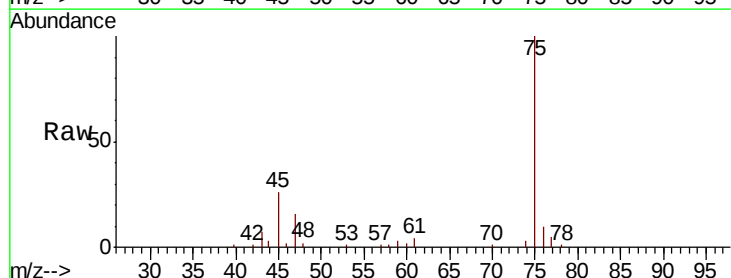
Tgt Ion: 43 Resp: 12216

Ion Ratio Lower Upper

43 100

61 49.7 11.3 16.9#

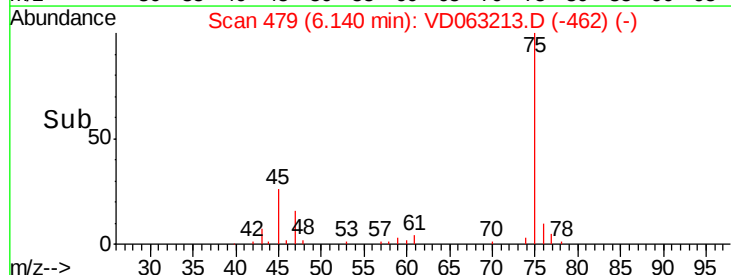
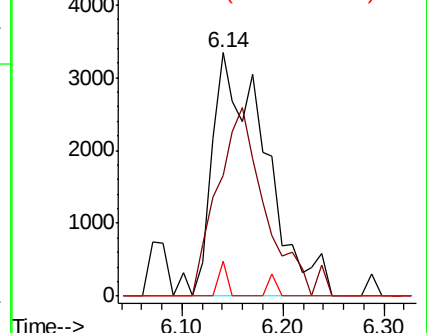
70 14.4 5.1 7.7#

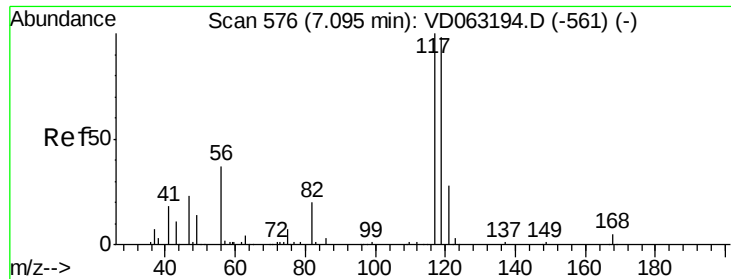


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.701 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063213.D

Acq: 29 Jul 2019 22:35

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBL02

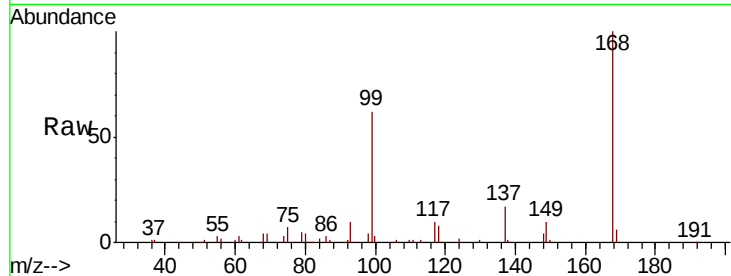
Tot Ion:117 Resp: 116735

Ion Ratio Lower Upper

117 100

119 4.2 78.2 117.2#

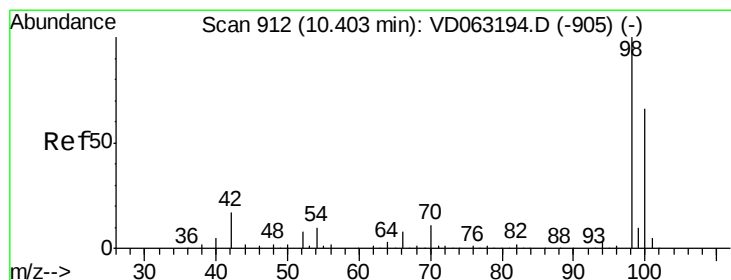
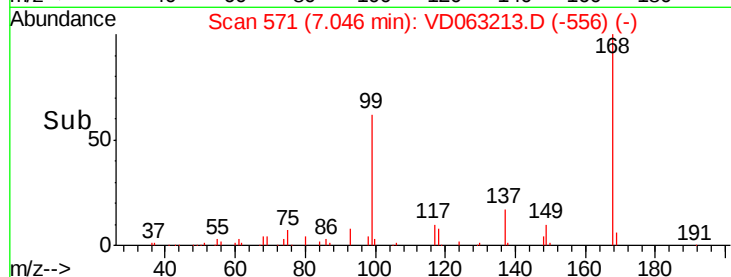
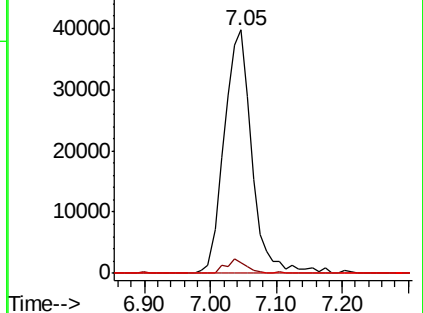
121 0.0 22.1 33.1#



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



#50

Toluene-d8

Concen: 54.981 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD063213.D

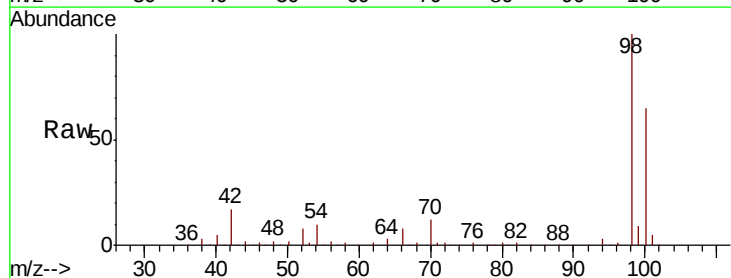
Acq: 29 Jul 2019 22:35

Tgt Ion: 98 Resp: 1565732

Ion Ratio Lower Upper

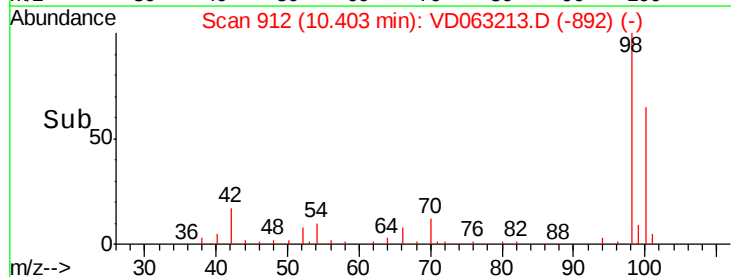
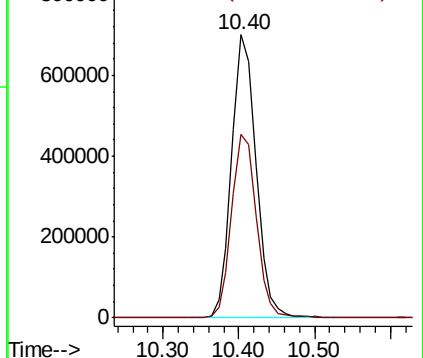
98 100

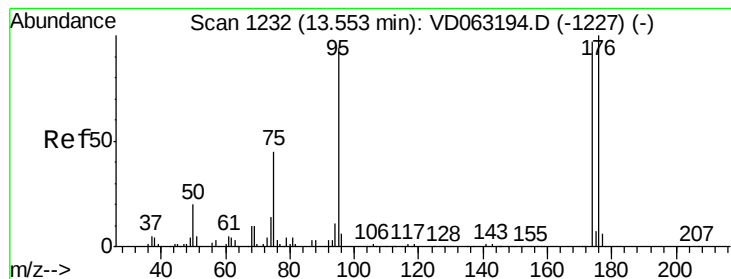
100 64.8 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 50.761 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063213.D

Acq: 29 Jul 2019 22:35

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBL02

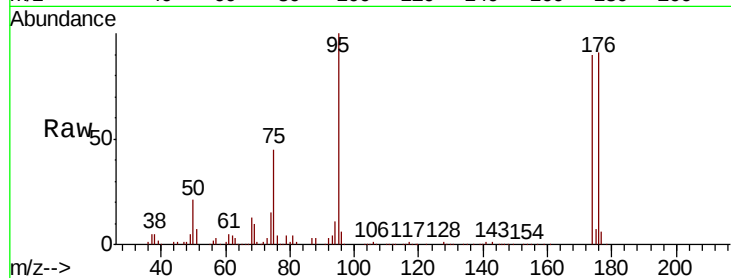
Tot Ion: 95 Resp: 658734

Ion Ratio Lower Upper

95 100

174 90.1 0.0 205.4

176 91.4 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

600000

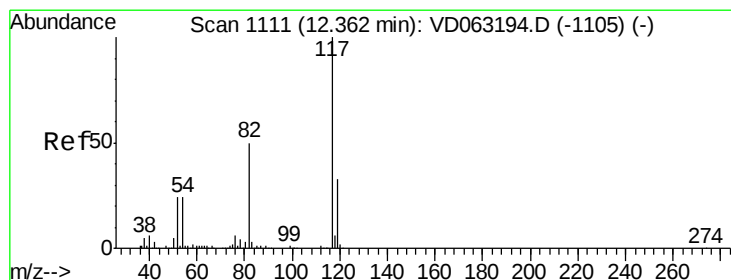
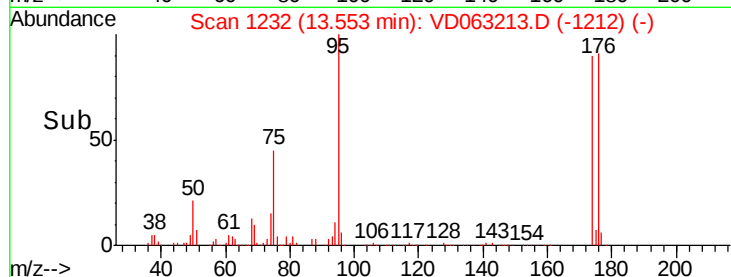
400000

200000

0

13.55

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD063213.D

Acq: 29 Jul 2019 22:35

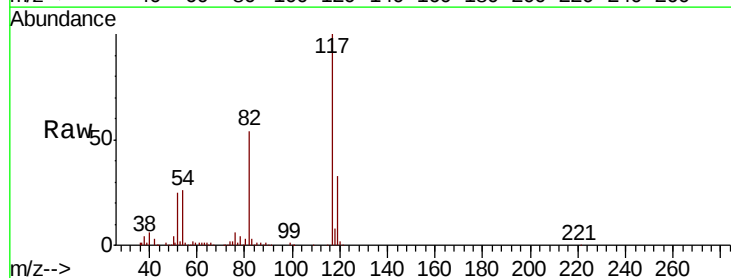
Tgt Ion: 117 Resp: 1282033

Ion Ratio Lower Upper

117 100

82 54.2 40.1 60.1

119 32.9 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

1000000

800000

600000

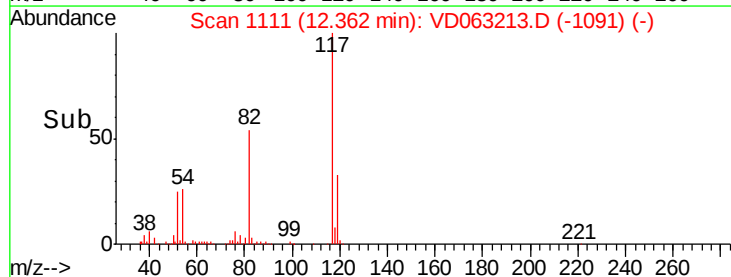
400000

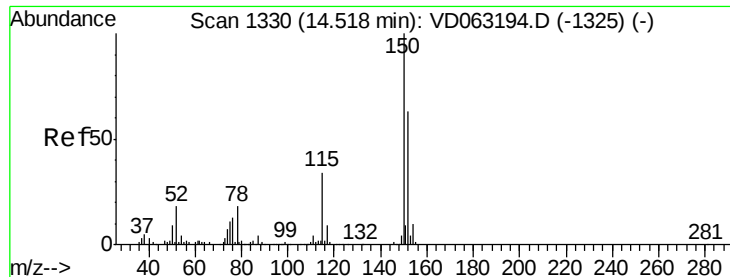
200000

0

12.36

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063213.D

Acq: 29 Jul 2019 22:35

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBL02

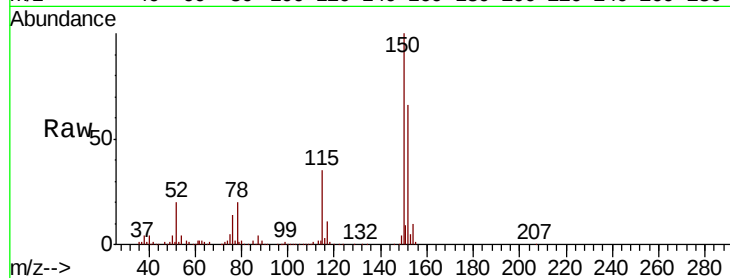
Tot Ion:152 Resp: 698452

Ion Ratio Lower Upper

152 100

115 53.1 27.5 82.4

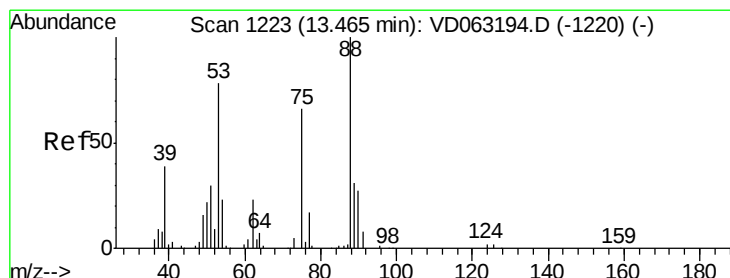
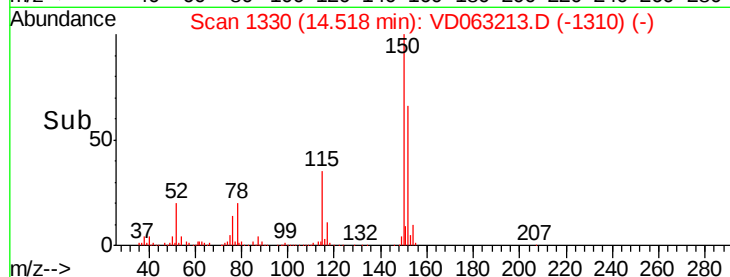
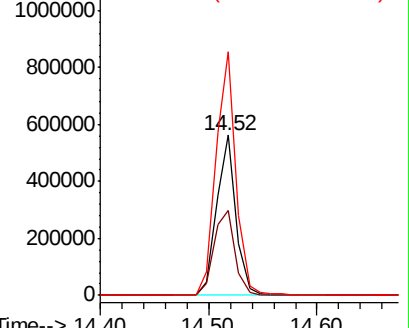
150 152.0 0.0 320.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 134.279 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063213.D

Acq: 29 Jul 2019 22:35

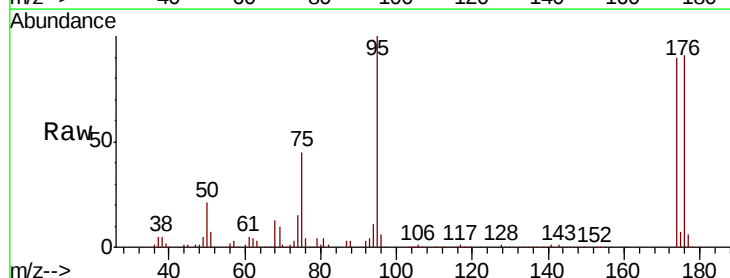
Tgt Ion: 75 Resp: 312809

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

