

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063203.D
 Acq On : 29 Jul 2019 17:07
 Operator : VA/AP
 Sample : K4044-03
 Misc : 5.72g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6

Quant Time: Jul 30 03:17:26 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	843722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1149342	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	975891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	479390	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	499828	53.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.78%	
35) Dibromofluoromethane	6.92	113	630524	64.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	128.50%	
50) Toluene-d8	10.41	98	1317018	59.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	119.94%	
62) 4-Bromofluorobenzene	13.55	95	593404	59.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	118.58%	

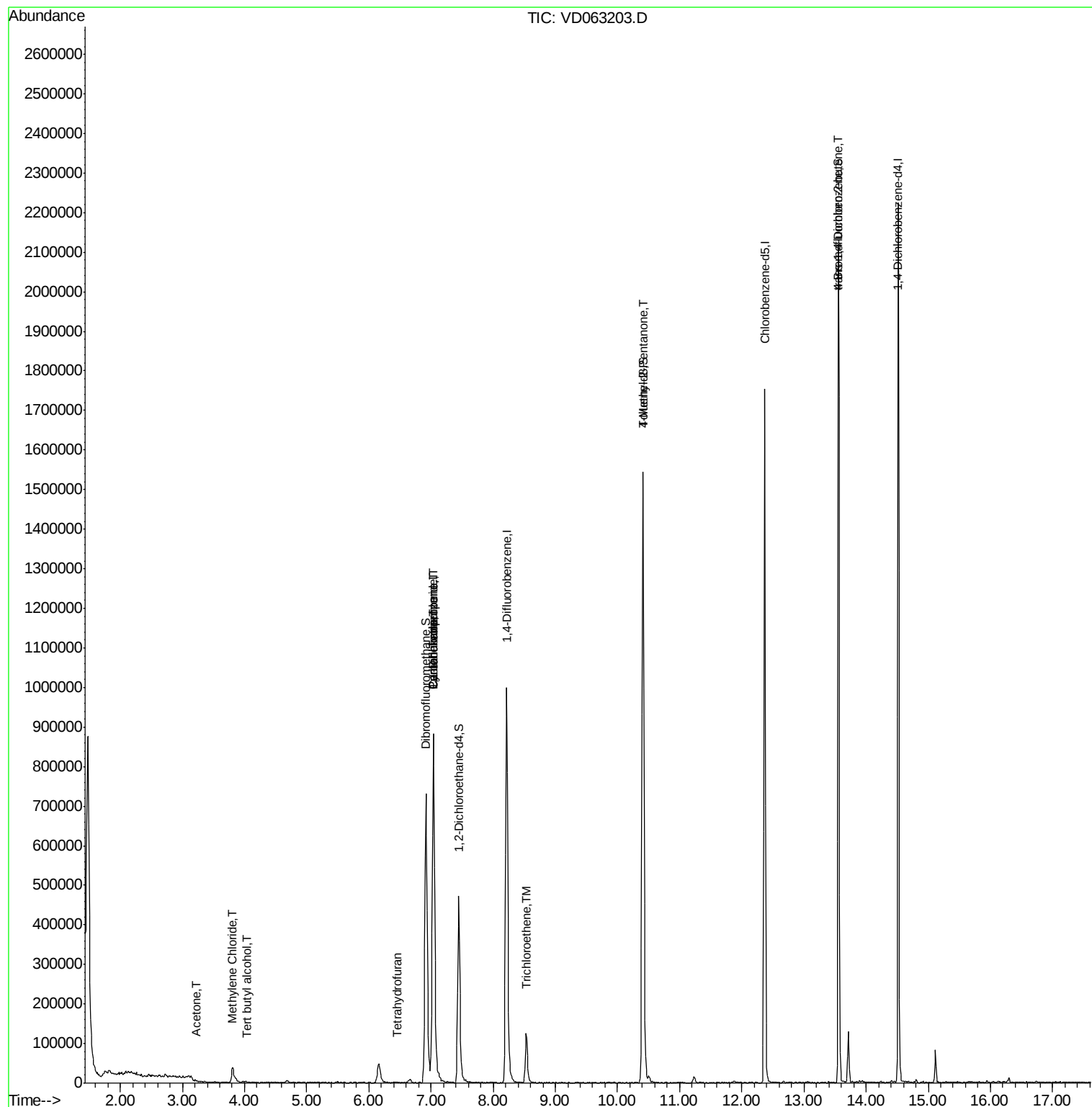
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.04	59	630	1.533	ug/l #	69
16) Acetone	3.23	43	5846	3.205	ug/l #	90
20) Methylene Chloride	3.81	84	21664	2.938	ug/l #	87
29) Tetrahydrofuran	6.46	42	1068	1.232	ug/l	94
31) Cyclohexane	7.04	56	17866	2.142	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	61437	5.857	ug/l #	53
38) Carbon Tetrachloride	7.04	117	82154	5.203	ug/l #	14
44) Trichloroethene	8.54	130	55952	6.281	ug/l	90
51) 4-Methyl-2-Pentanone	10.40	43	7049	1.722	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	276241	172.769	ug/l #	3

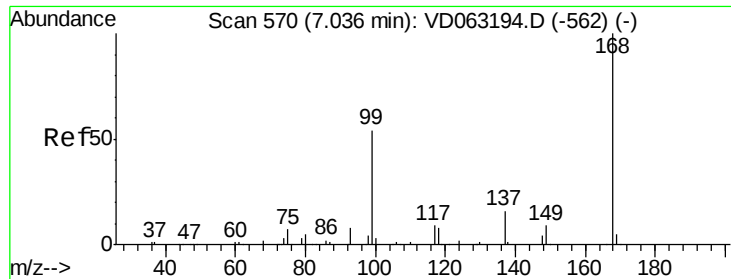
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
Data File : VD063203.D
Acq On : 29 Jul 2019 17:07
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Quant Time: Jul 30 03:17:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063203.D

Acq: 29 Jul 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

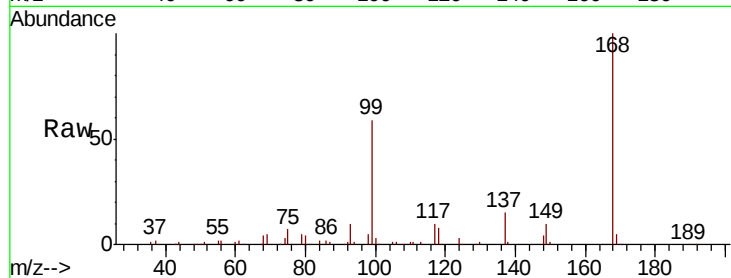
TP-6

Tot Ion:168 Resp: 843722

Ion Ratio Lower Upper

168 100

99 59.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

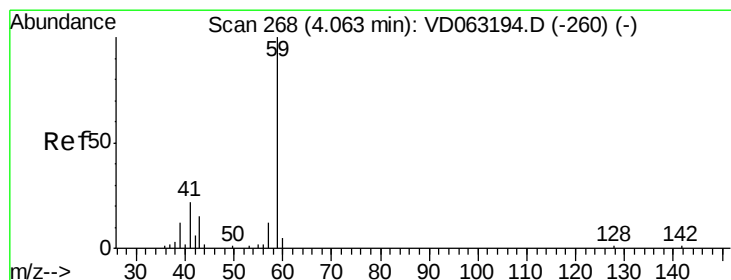
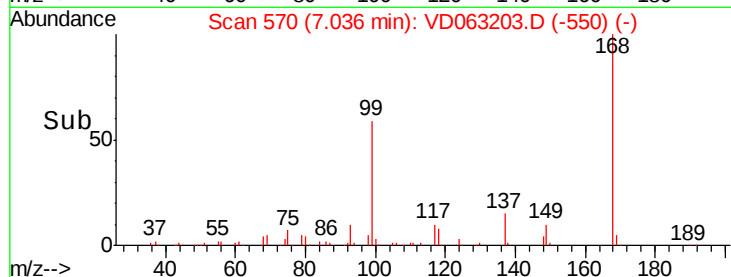
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 1.533 ug/l

RT: 4.04 min Scan# 266

Delta R.T. -0.02 min

Lab File: VD063203.D

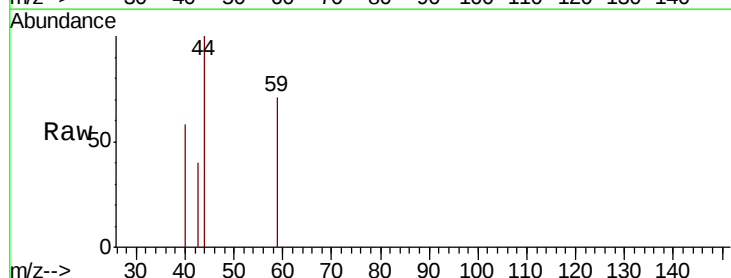
Acq: 29 Jul 2019 17:07

Tgt Ion: 59 Resp: 630

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

4.04

600

500

400

300

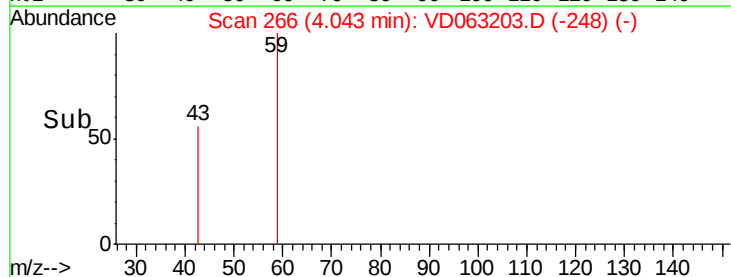
200

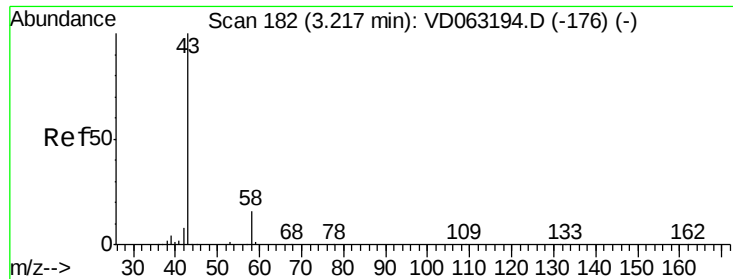
100

0

4.02 4.04 4.06 4.08 4.10

Time-->

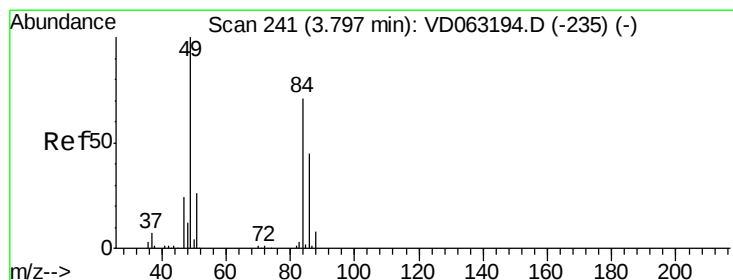
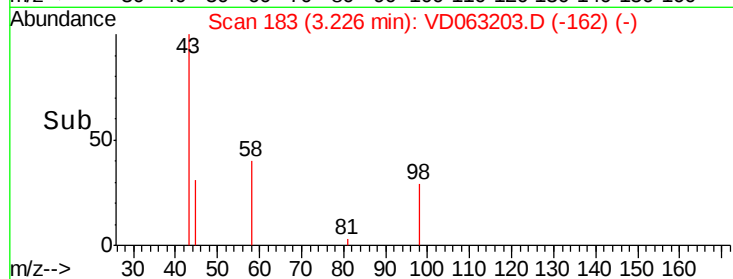
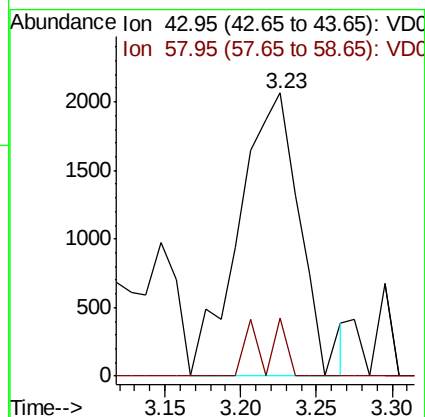
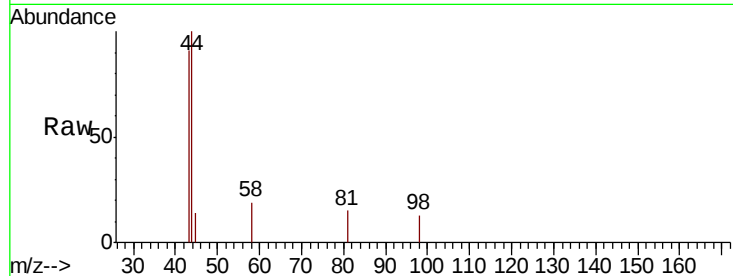




#16
Acetone
Concen: 3.205 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.01 min
Lab File: VD063203.D
Acq: 29 Jul 2019 17:07

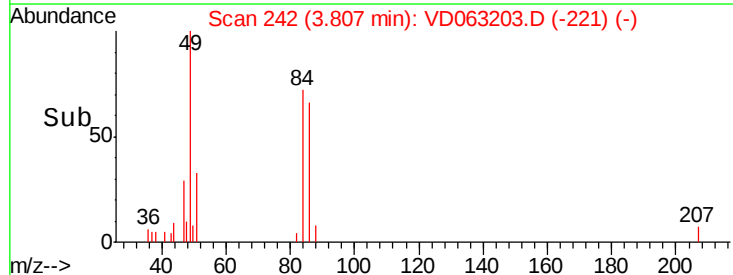
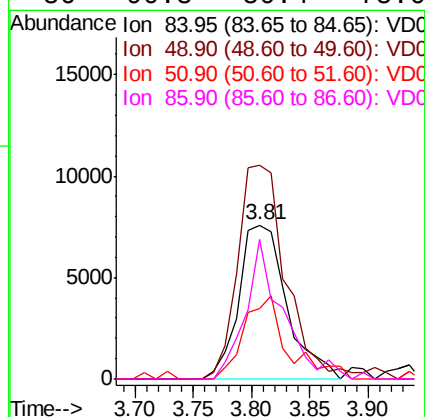
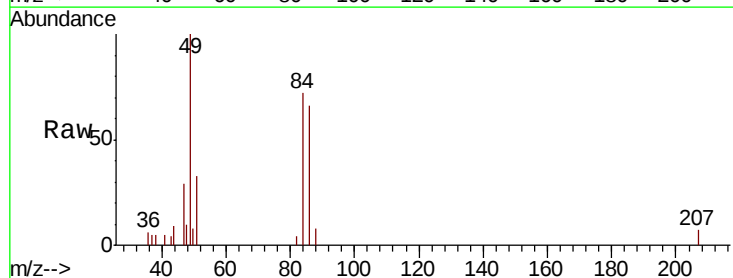
Instrument :
MSVOA_D
ClientSampleId :
TP-6

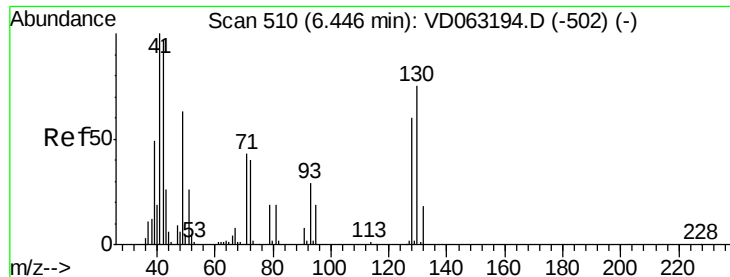
Tot Ion: 43 Resp: 5846
Ion Ratio Lower Upper
43 100
58 20.5 13.0 19.4#



#20
Methylene Chloride
Concen: 2.938 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063203.D
Acq: 29 Jul 2019 17:07

Tgt Ion: 84 Resp: 21664
Ion Ratio Lower Upper
84 100
49 138.6 112.5 168.7
51 45.5 29.6 44.4#
86 90.8 50.4 75.6#





#29

Tetrahydrofuran

Concen: 1.232 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063203.D

Acq: 29 Jul 2019 17:07

Instrument :

MSVOA_D

ClientSampleID :

TP-6

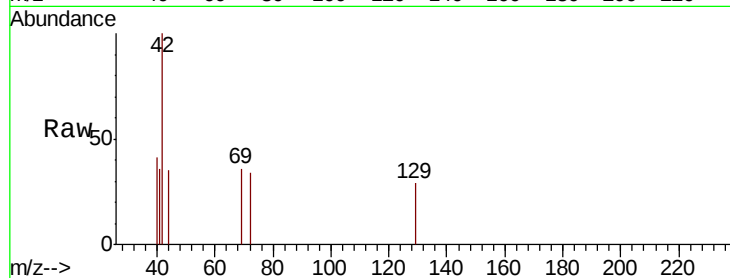
Tot Ion: 42 Resp: 1068

Ion Ratio Lower Upper

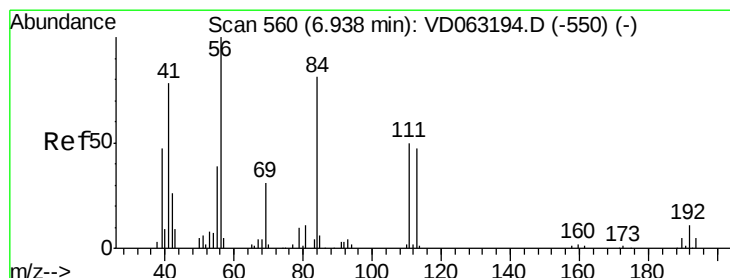
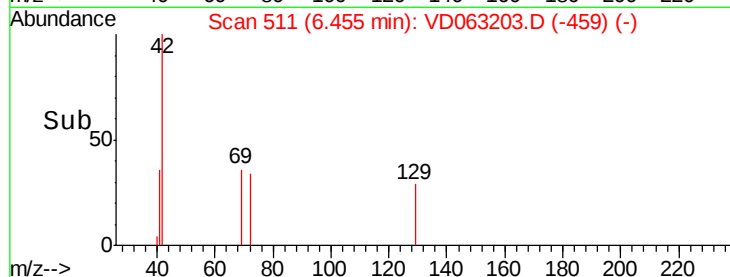
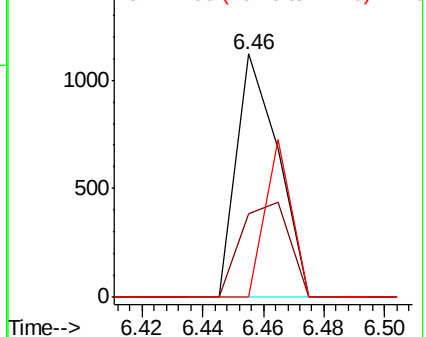
42 100

72 45.5 33.4 50.2

71 40.1 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



#31

Cyclohexane

Concen: 2.142 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD063203.D

Acq: 29 Jul 2019 17:07

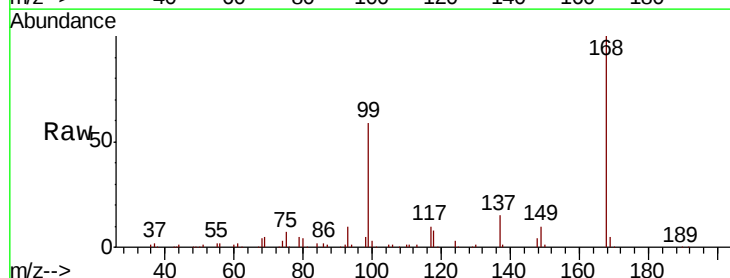
Tgt Ion: 56 Resp: 17866

Ion Ratio Lower Upper

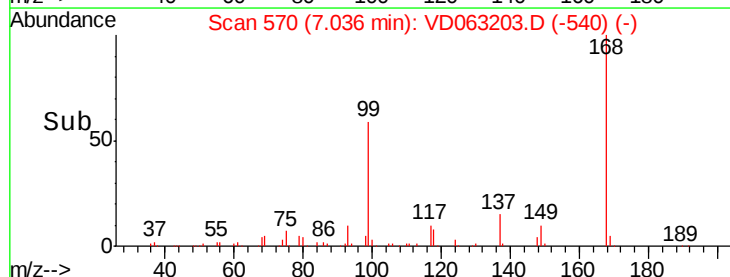
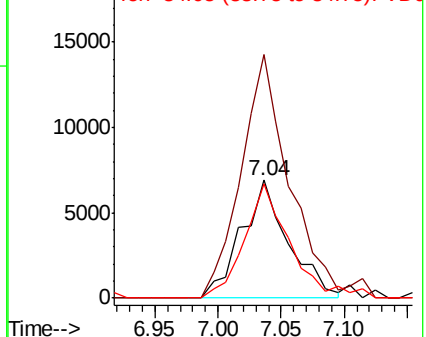
56 100

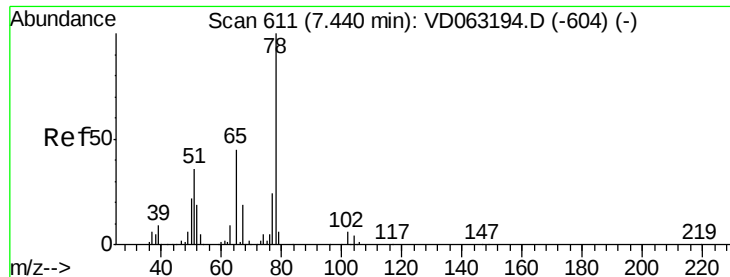
69 206.2 24.5 36.7#

84 96.6 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

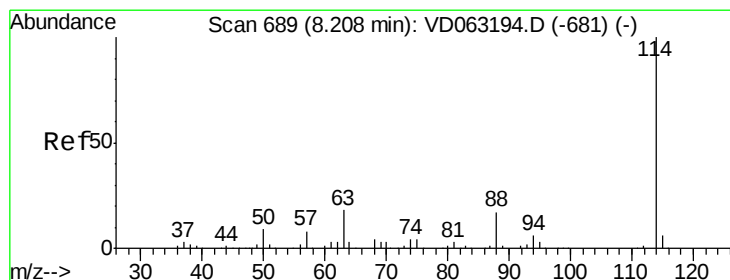
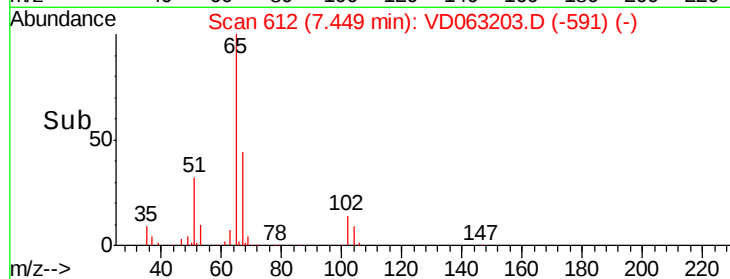
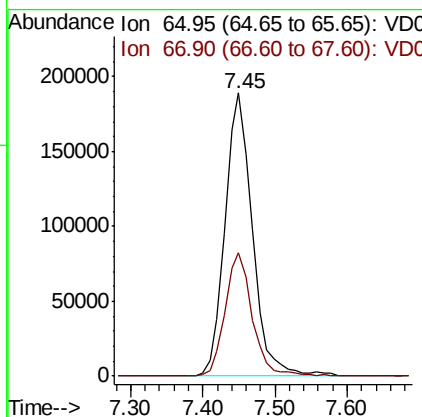
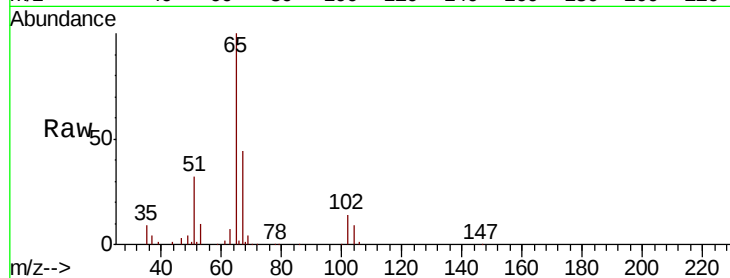




#33
 1,2-Dichloroethane-d4
 Concen: 53.390 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063203.D
 Acq: 29 Jul 2019 17:07

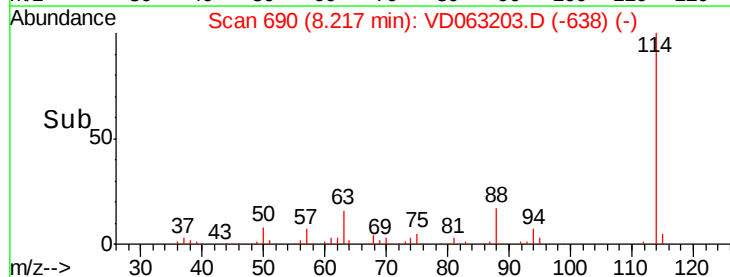
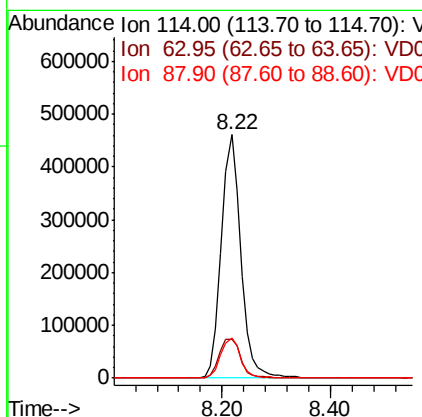
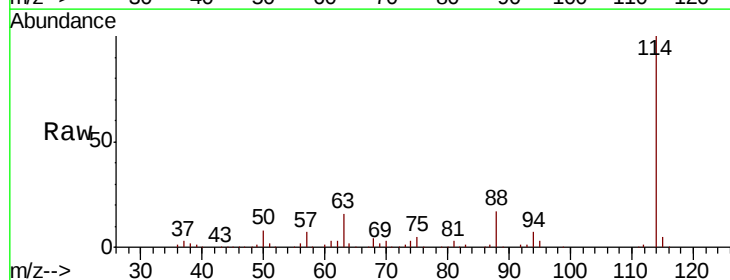
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6

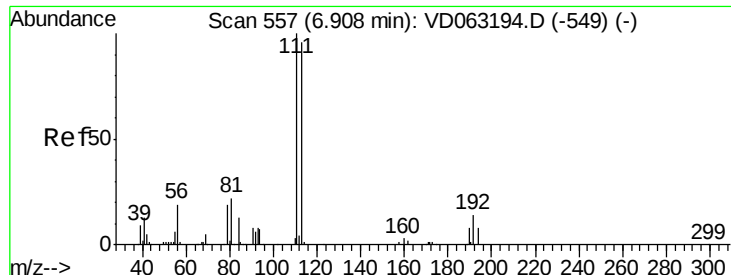
Tot Ion: 65 Resp: 499828
 Ion Ratio Lower Upper
 65 100
 67 43.8 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063203.D
 Acq: 29 Jul 2019 17:07

Tgt Ion: 114 Resp: 1149342
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 35.2
 88 16.5 0.0 34.6





#35

Dibromofluoromethane

Concen: 64.254 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063203.D

Acq: 29 Jul 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

TP-6

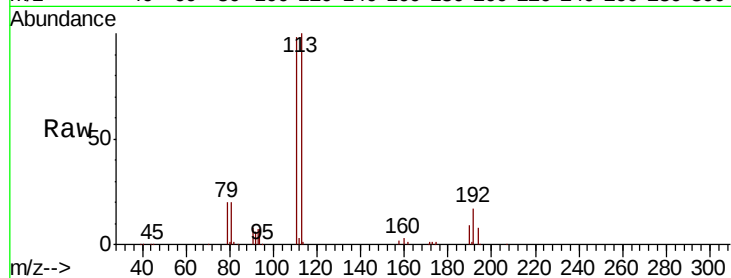
Tot Ion:113 Resp: 630524

Ion Ratio Lower Upper

113 100

111 98.4 83.2 124.8

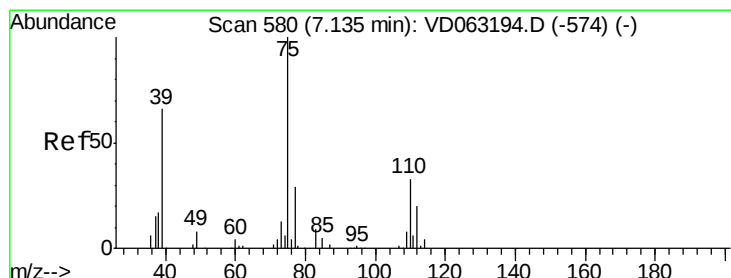
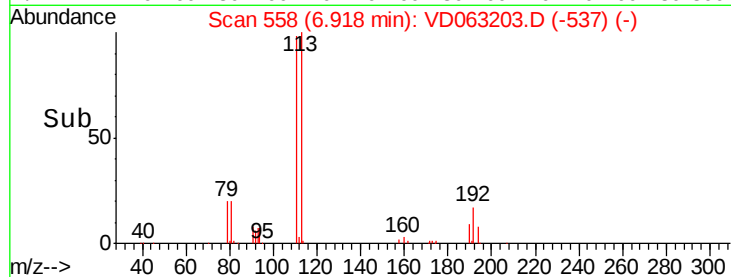
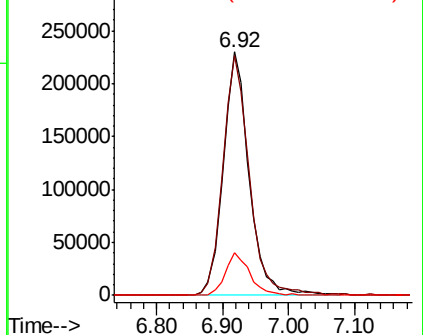
192 17.3 11.8 17.8



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: 5.857 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD063203.D

Acq: 29 Jul 2019 17:07

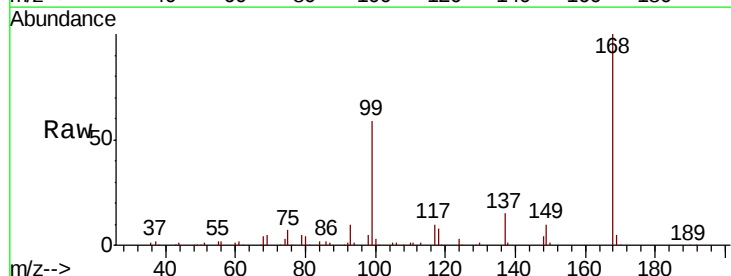
Tgt Ion: 75 Resp: 61437

Ion Ratio Lower Upper

75 100

110 9.3 16.1 48.2#

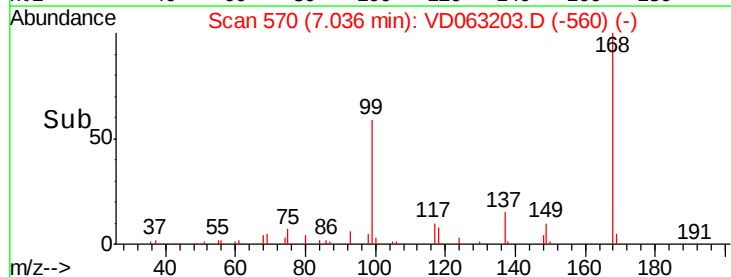
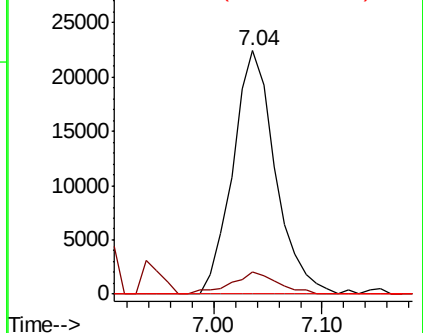
77 0.0 22.7 34.1#

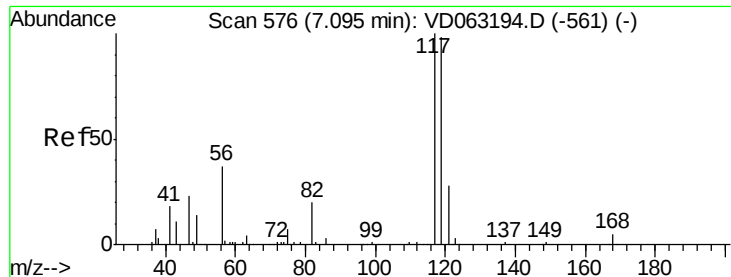


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.203 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063203.D

Acq: 29 Jul 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

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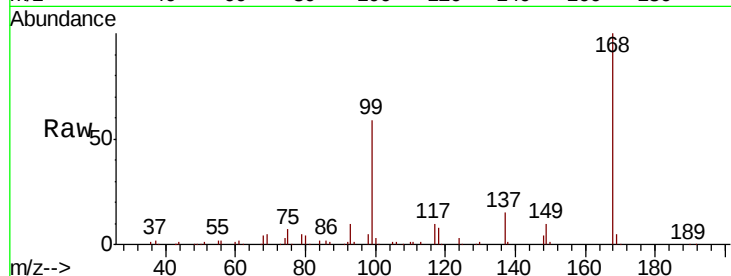
Tot Ion:117 Resp: 82154

Ion Ratio Lower Upper

117 100

119 3.5 78.2 117.2#

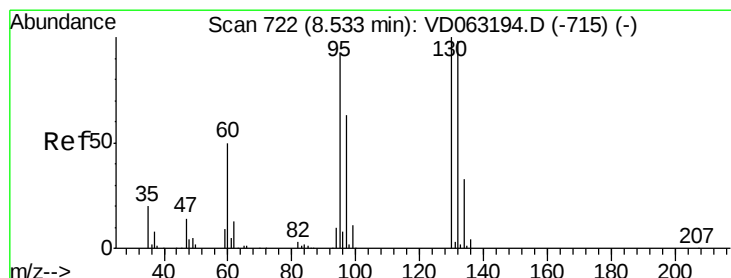
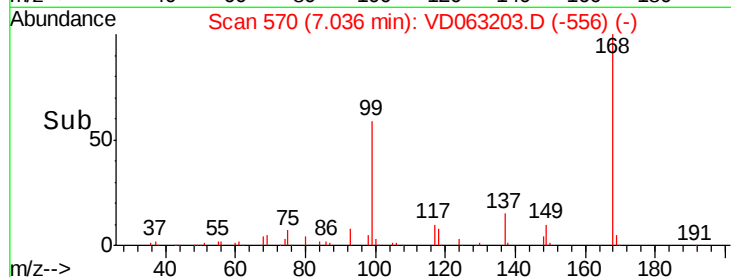
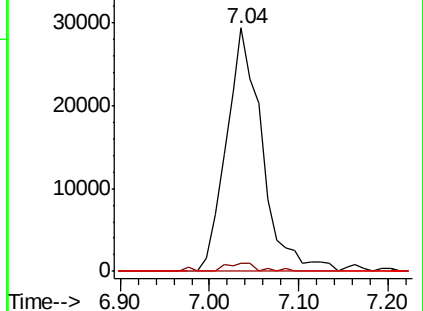
121 0.0 22.1 33.1#



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



#44

Trichloroethene

Concen: 6.281 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.01 min

Lab File: VD063203.D

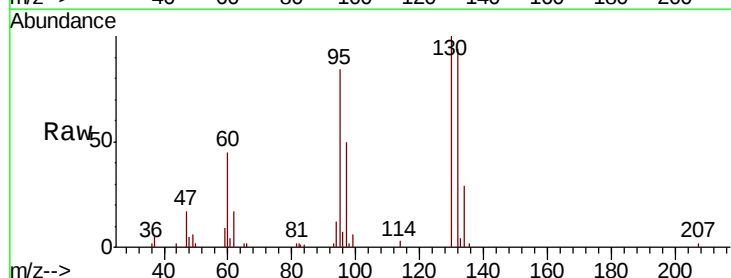
Acq: 29 Jul 2019 17:07

Tgt Ion:130 Resp: 55952

Ion Ratio Lower Upper

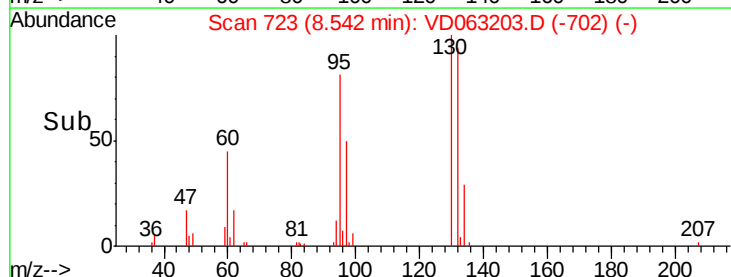
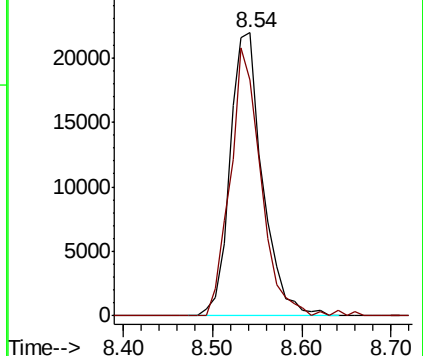
130 100

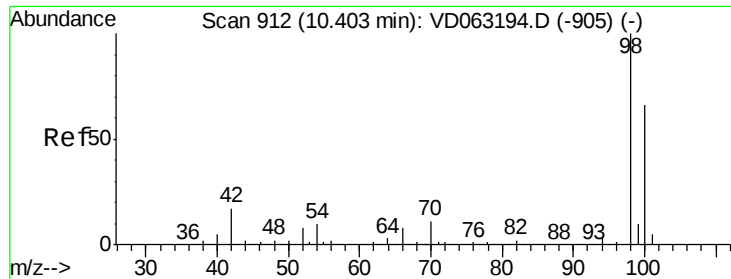
95 83.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 59.970 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063203.D

Acq: 29 Jul 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

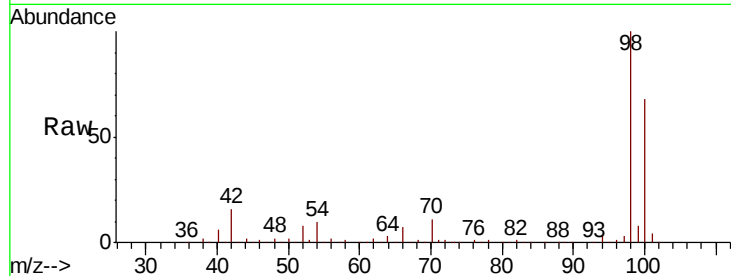
TP-6

Tot Ion: 98 Resp: 1317018

Ion Ratio Lower Upper

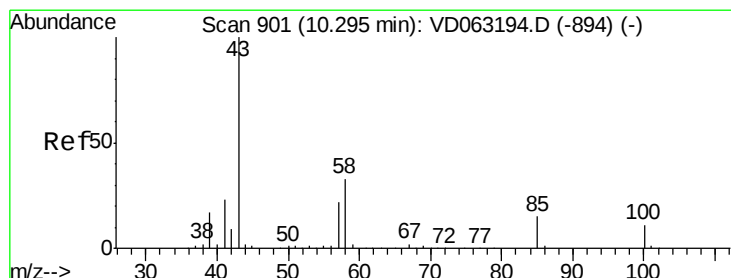
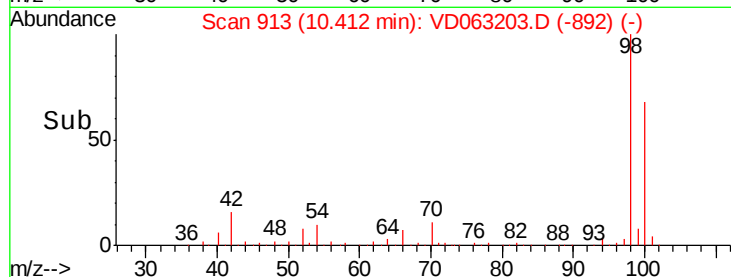
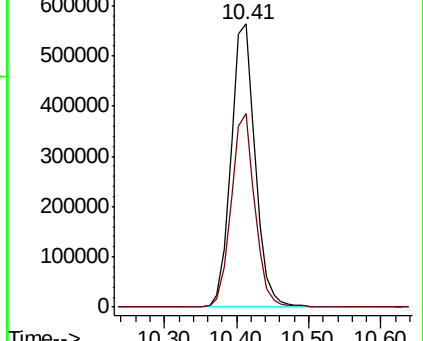
98 100

100 68.4 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: 1.722 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD063203.D

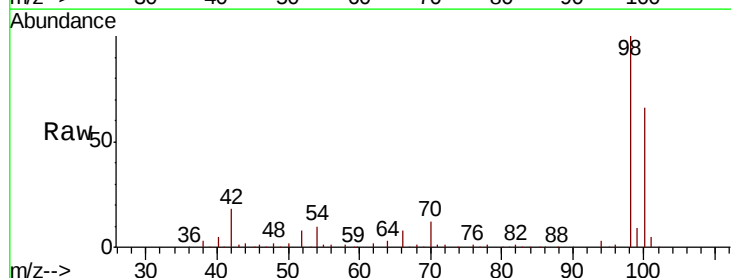
Acq: 29 Jul 2019 17:07

Tgt Ion: 43 Resp: 7049

Ion Ratio Lower Upper

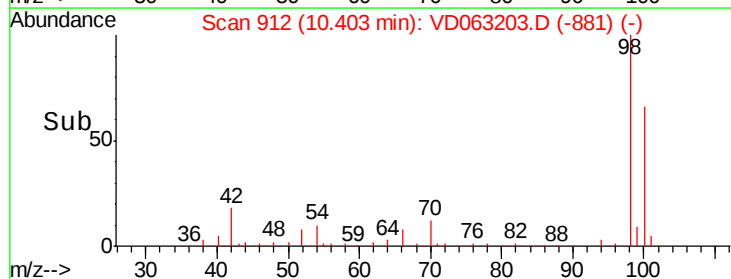
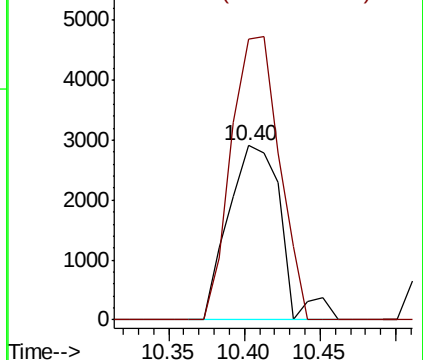
43 100

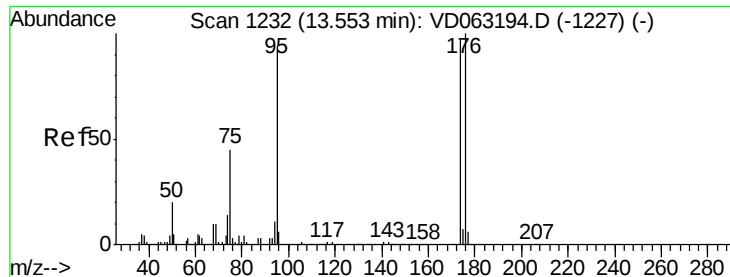
58 160.9 26.2 39.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 59.295 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063203.D

Acq: 29 Jul 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

TP-6

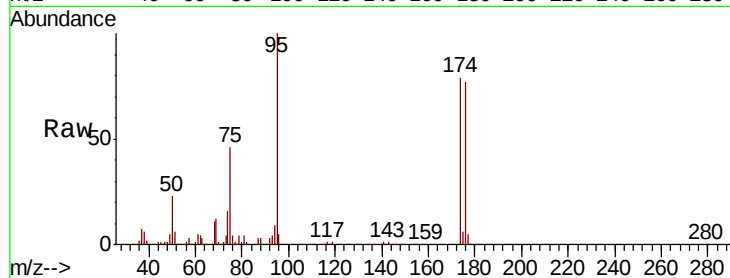
Tot Ion: 95 Resp: 593404

Ion Ratio Lower Upper

95 100

174 79.4 0.0 205.4

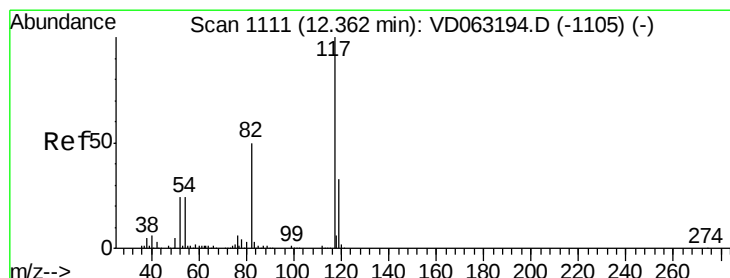
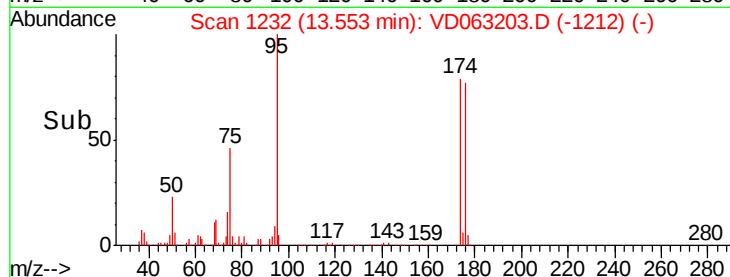
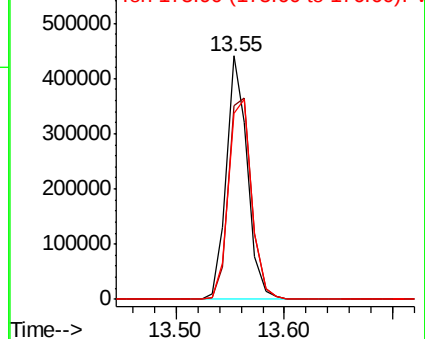
176 76.5 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VD063203.D (-1212) (-)

Ion 173.90 (173.60 to 174.60): VD063203.D (-1212) (-)

Ion 175.90 (175.60 to 176.60): VD063203.D (-1212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD063203.D

Acq: 29 Jul 2019 17:07

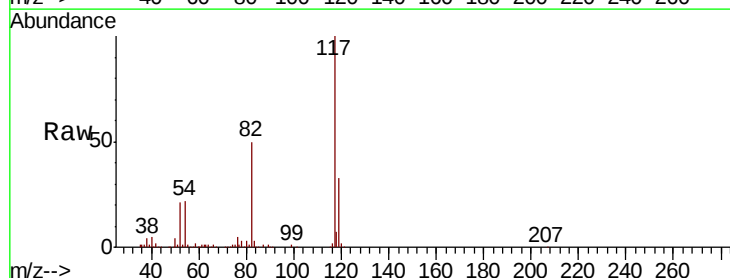
Tgt Ion: 117 Resp: 975891

Ion Ratio Lower Upper

117 100

82 49.8 40.1 60.1

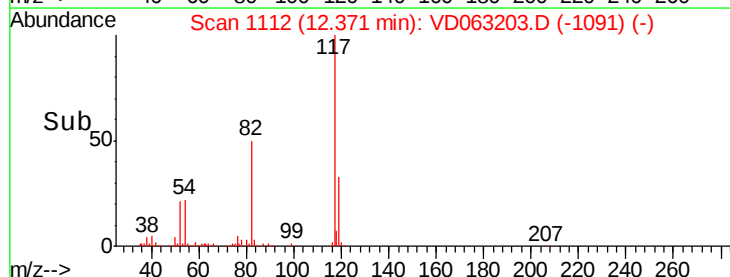
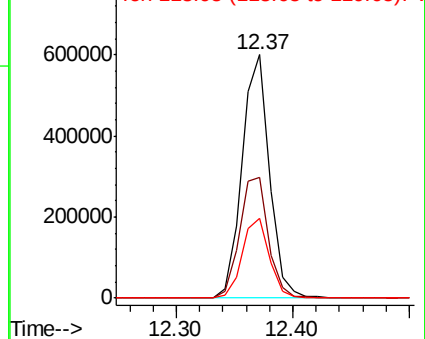
119 32.8 26.5 39.7

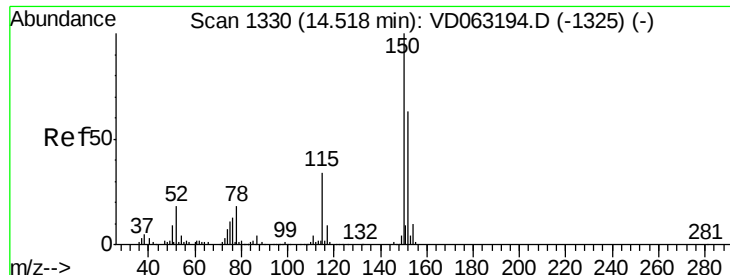


Abundance Ion 116.95 (116.65 to 117.65): VD063203.D (-1091) (-)

Ion 82.05 (81.75 to 82.75): VD063203.D (-1091) (-)

Ion 118.95 (118.65 to 119.65): VD063203.D (-1091) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063203.D

Acq: 29 Jul 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

TP-6

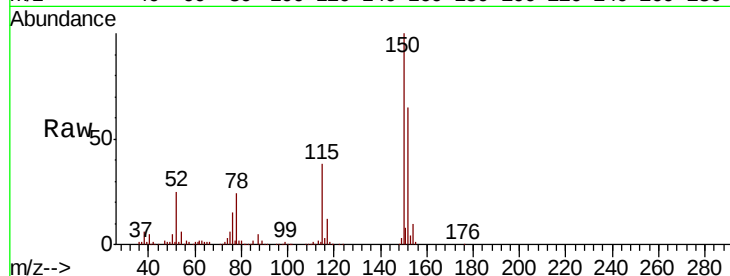
Tot Ion:152 Resp: 479390

Ion Ratio Lower Upper

152 100

115 58.6 27.5 82.4

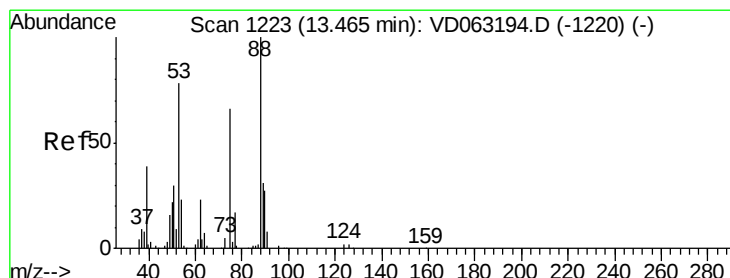
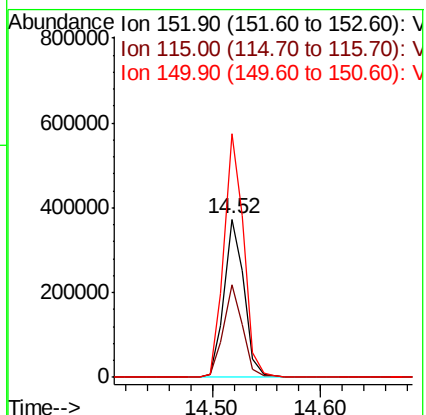
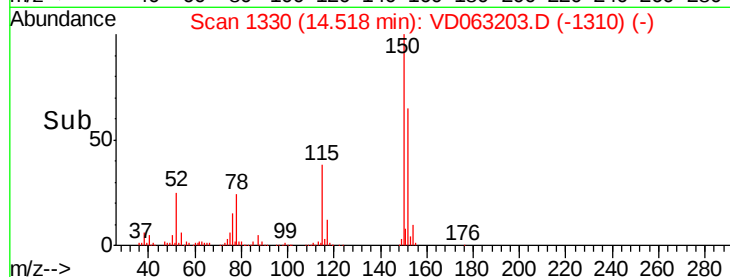
150 153.7 0.0 320.6



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: 172.769 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063203.D

Acq: 29 Jul 2019 17:07

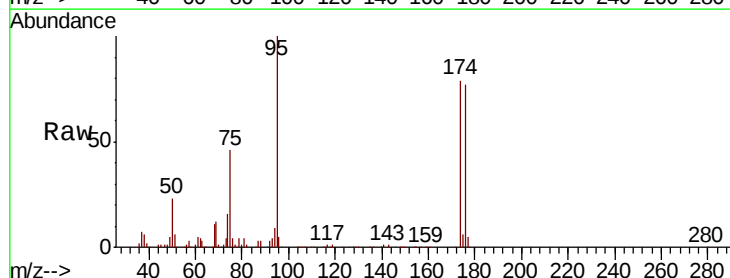
Tgt Ion: 75 Resp: 276241

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

