

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062997.D
 Acq On : 1 Jul 2019 18:24
 Operator : VA/AP
 Sample : K3601-03
 Misc : 7.09g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200027

Quant Time: Jul 02 07:36:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	880644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1186677	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	979694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	465798	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	444083	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
35) Dibromofluoromethane	6.92	113	523911	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
50) Toluene-d8	10.41	98	1092944	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	13.56	95	448335	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	

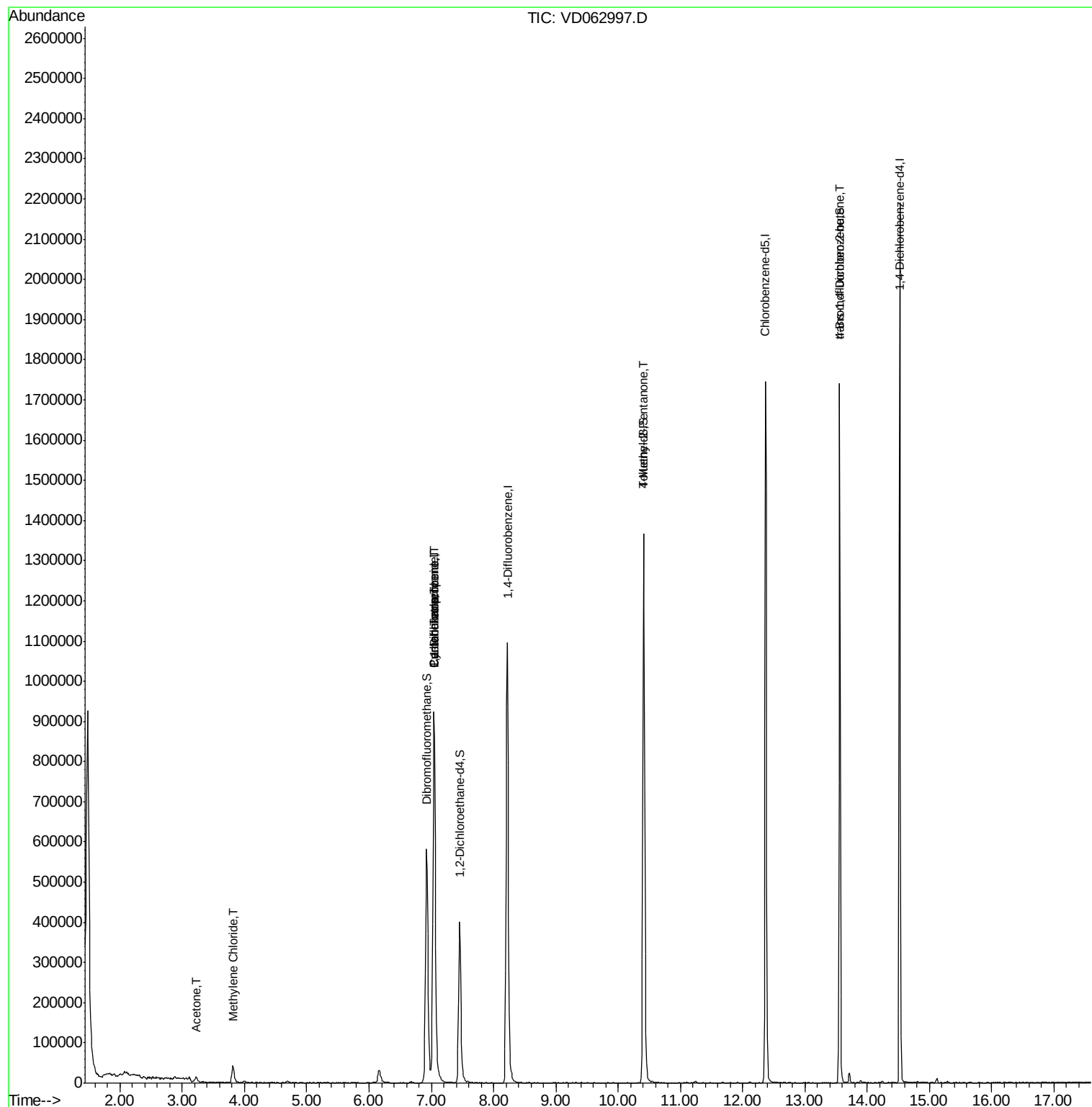
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	27782	7.527	ug/l	95
20) Methylene Chloride	3.81	84	29274	4.010	ug/l #	90
31) Cyclohexane	7.04	56	19605	2.181	ug/l #	42
36) 1,1-Dichloropropene	7.04	75	67734	6.030	ug/l #	52
37) Ethyl Acetate	6.17	43	2485	Below Cal	#	1
38) Carbon Tetrachloride	7.05	117	88705	5.250	ug/l #	17
51) 4-Methyl-2-Pentanone	10.41	43	5402	1.294	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	210341	149.251	ug/l #	2

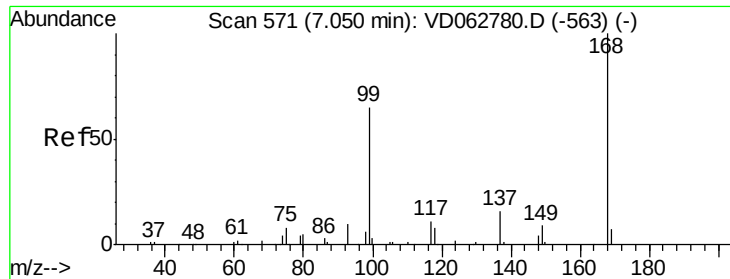
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070119\
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Quant Time: Jul 02 07:36:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD062997.D

Acq: 1 Jul 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

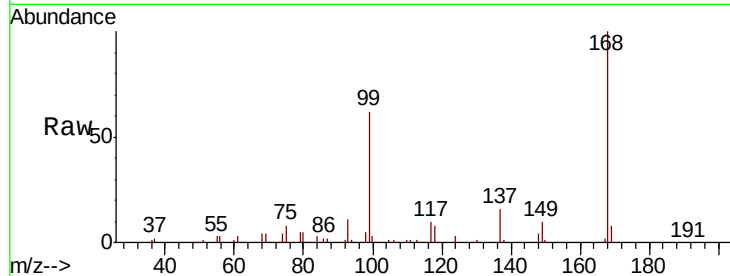
RBR-200027

Tot Ion:168 Resp: 880644

Ion Ratio Lower Upper

168 100

99 62.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

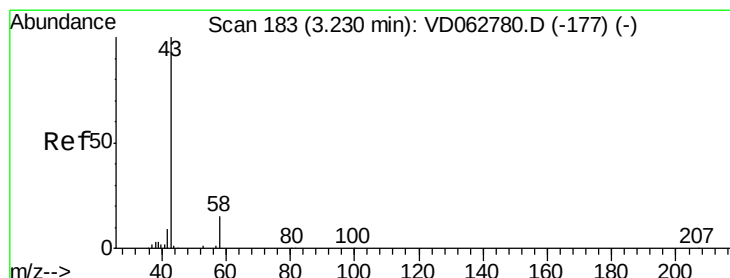
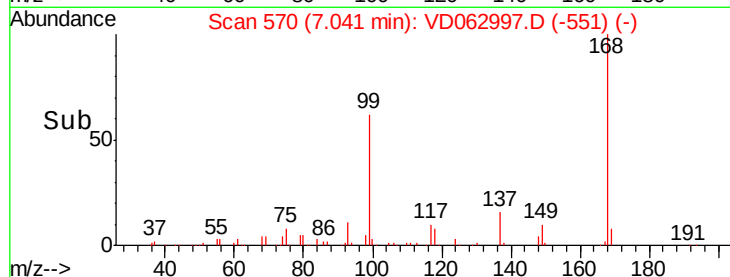
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 7.527 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062997.D

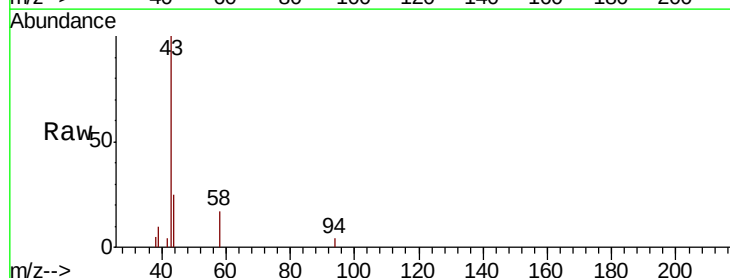
Acq: 1 Jul 2019 18:24

Tgt Ion: 43 Resp: 27782

Ion Ratio Lower Upper

43 100

58 16.9 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

10000

8000

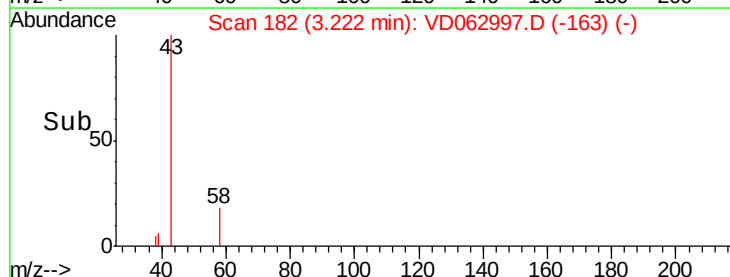
6000

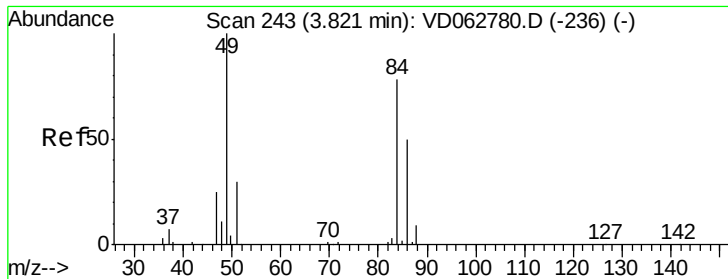
4000

2000

0

Time-->

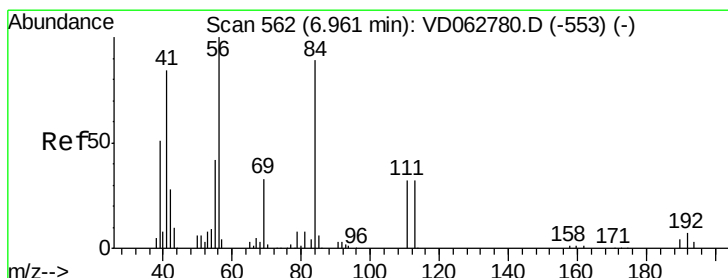
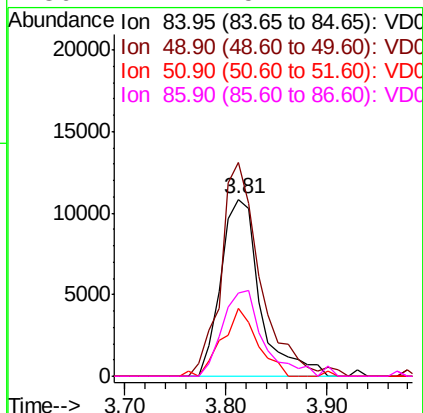
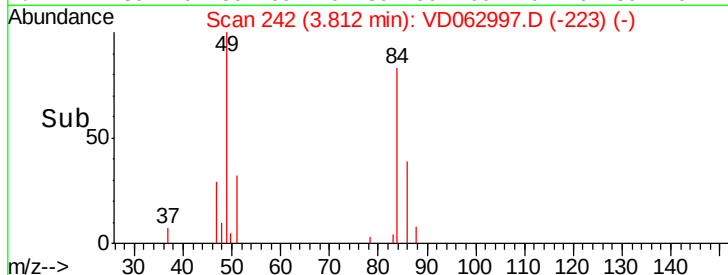
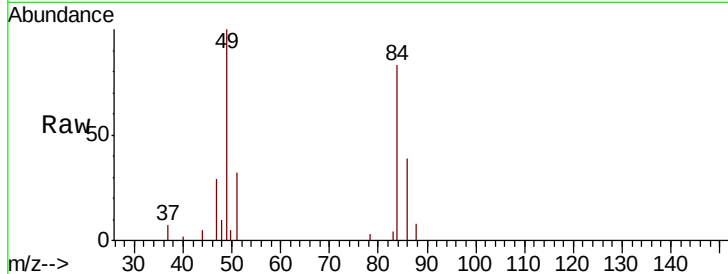




#20
Methylene Chloride
Concen: 4.010 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062997.D
Acq: 1 Jul 2019 18:24

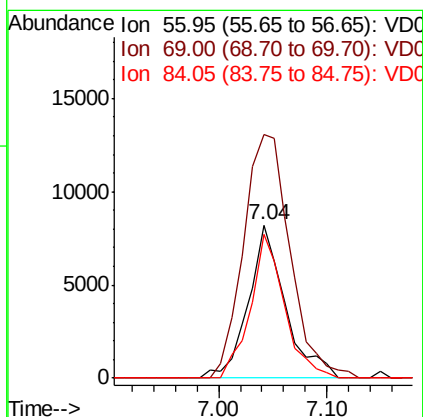
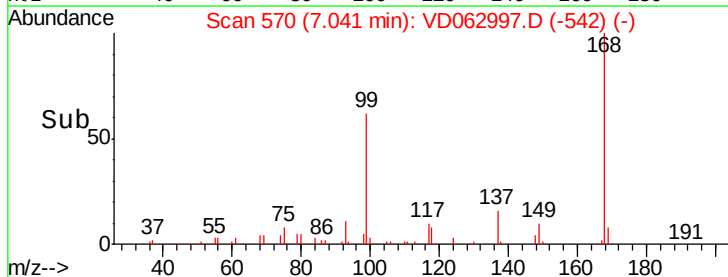
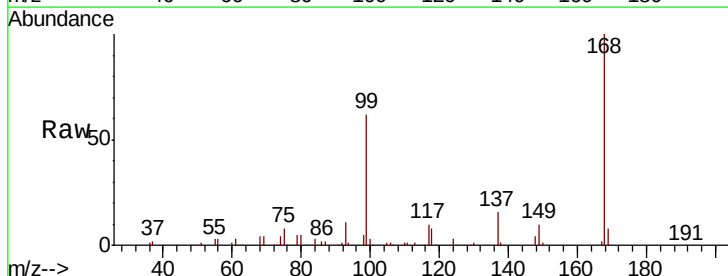
Instrument :
MSVOA_D
ClientSampleId :
RBR-200027

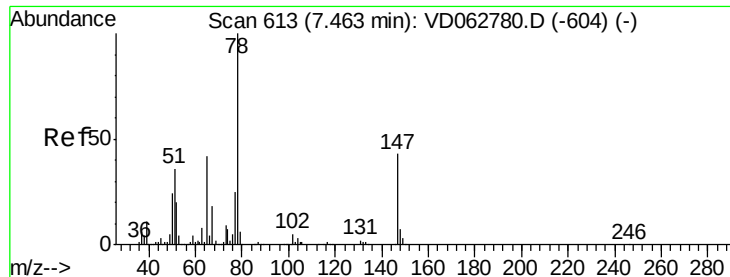
Tot Ion: 84 Resp: 29274
Ion Ratio Lower Upper
84 100
49 120.6 102.9 154.3
51 38.2 31.2 46.8
86 47.1 51.4 77.2#



#31
Cyclohexane
Concen: 2.181 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.08 min
Lab File: VD062997.D
Acq: 1 Jul 2019 18:24

Tgt Ion: 56 Resp: 19605
Ion Ratio Lower Upper
56 100
69 158.8 26.6 39.8#
84 94.0 75.5 113.3





#33

1,2-Dichloroethane-d4

Concen: 46.392 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062997.D

Acq: 1 Jul 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

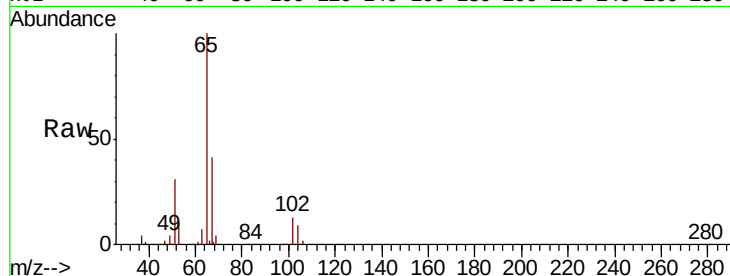
RBR-200027

Tot Ion: 65 Resp: 444083

Ion Ratio Lower Upper

65 100

67 40.7 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

150000

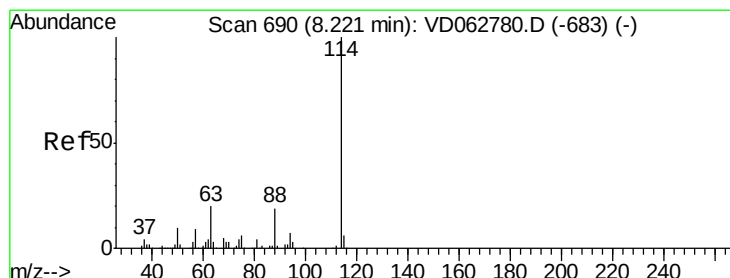
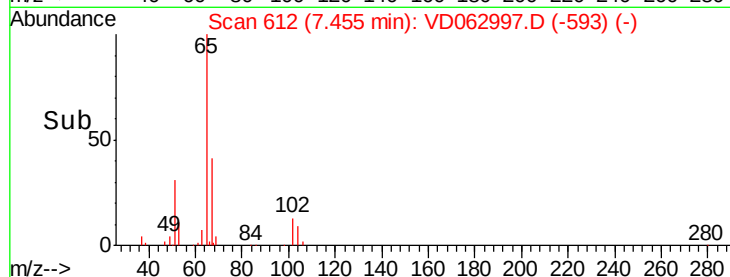
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062997.D

Acq: 1 Jul 2019 18:24

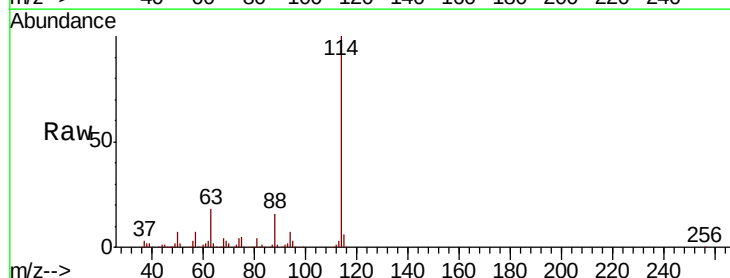
Tgt Ion: 114 Resp: 1186677

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.0

88 15.7 0.0 38.8



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

600000

500000

400000

300000

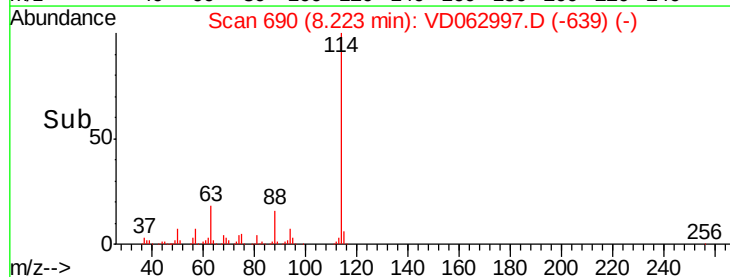
200000

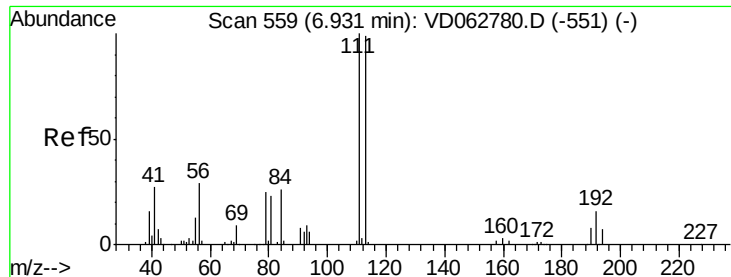
100000

0

Time-->

8.20 8.40

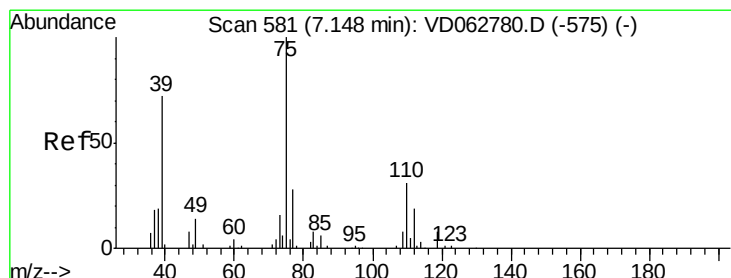
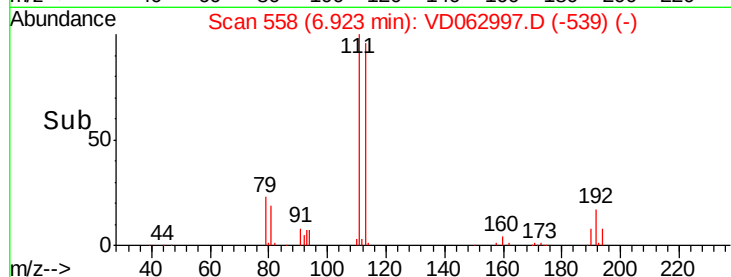
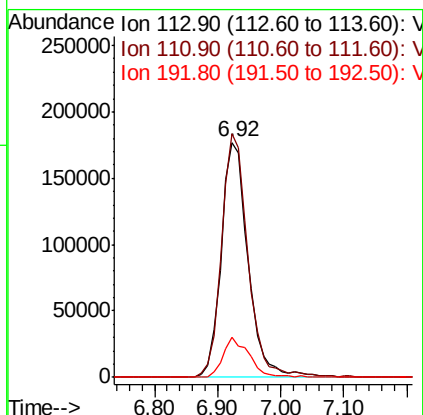
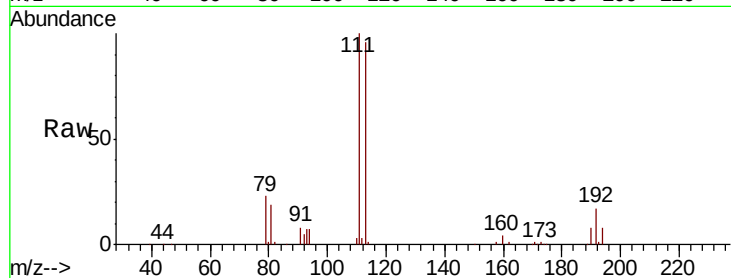




#35
 Dibromofluoromethane
 Concen: 52.360 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD062997.D
 Acq: 1 Jul 2019 18:24

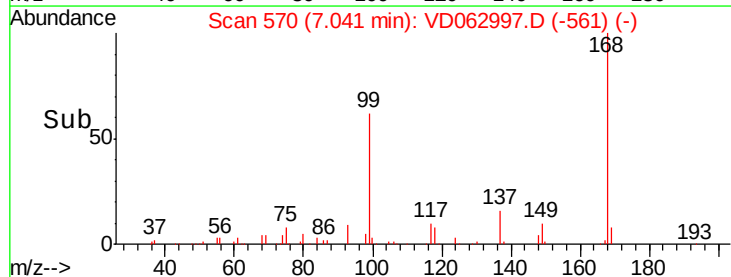
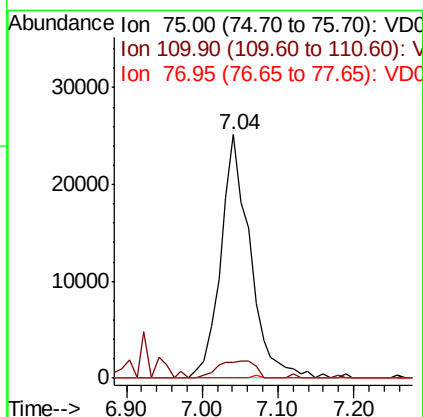
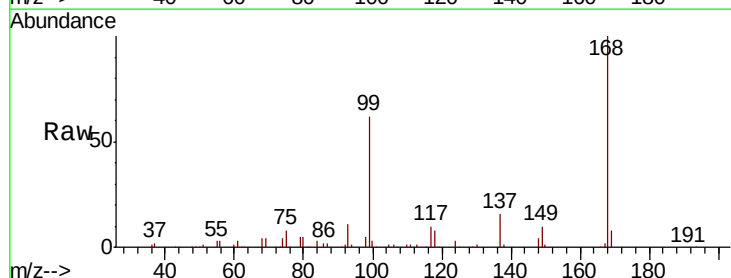
Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200027

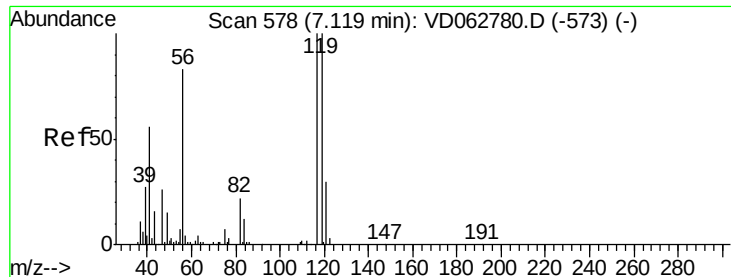
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.2	121.8
192	17.2	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 6.030 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD062997.D
 Acq: 1 Jul 2019 18:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.6	15.0	45.1#
77	0.0	22.2	33.2#





#38

Carbon Tetrachloride

Concen: 5.250 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD062997.D

Acq: 1 Jul 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

RBR-200027

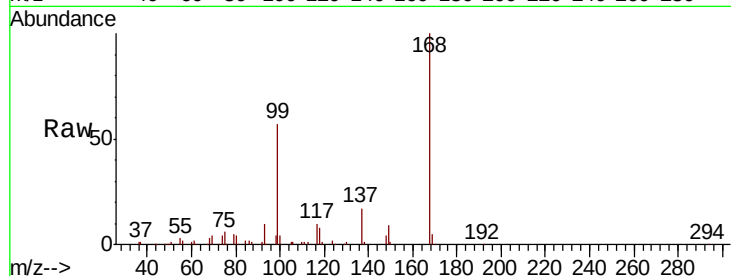
Tot Ion:117 Resp: 88705

Ion Ratio Lower Upper

117 100

119 5.2 75.4 113.2#

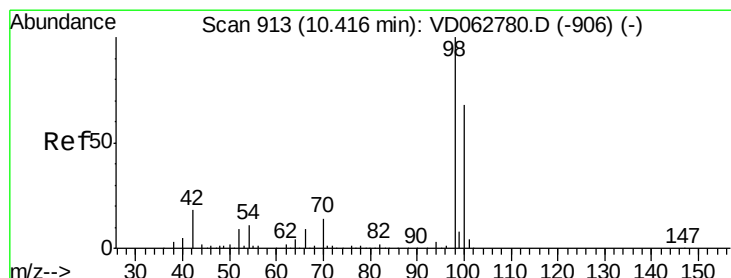
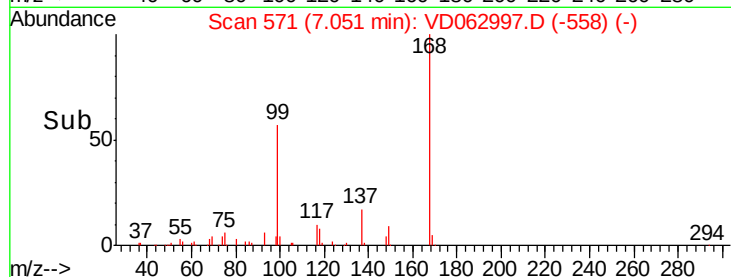
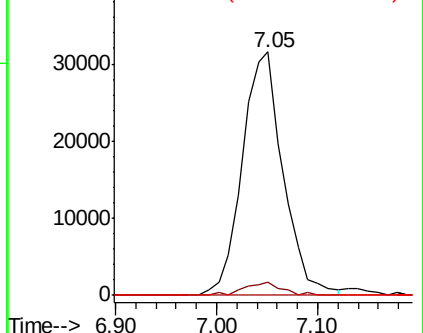
121 0.0 22.3 33.5#



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: 50.186 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD062997.D

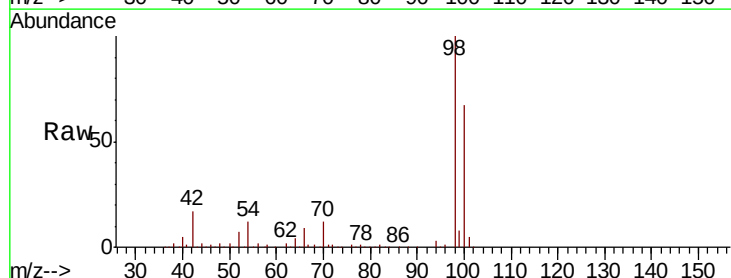
Acq: 1 Jul 2019 18:24

Tgt Ion: 98 Resp: 1092944

Ion Ratio Lower Upper

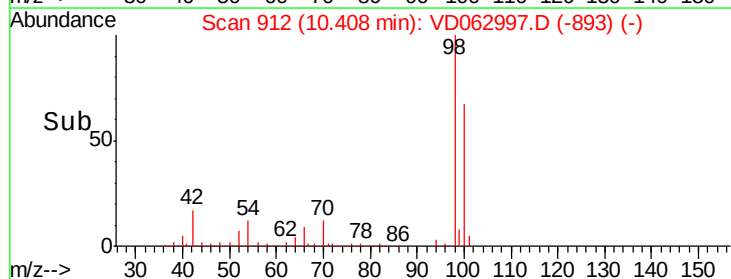
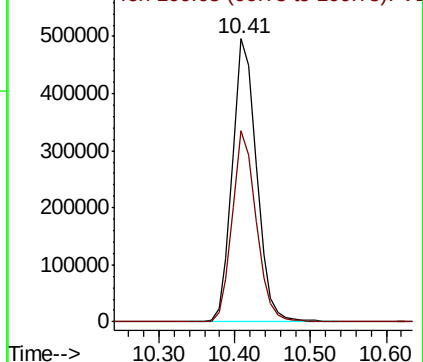
98 100

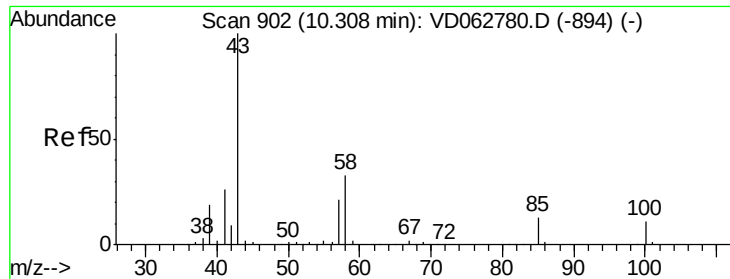
100 67.3 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.294 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.10 min

Lab File: VD062997.D

Acq: 1 Jul 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

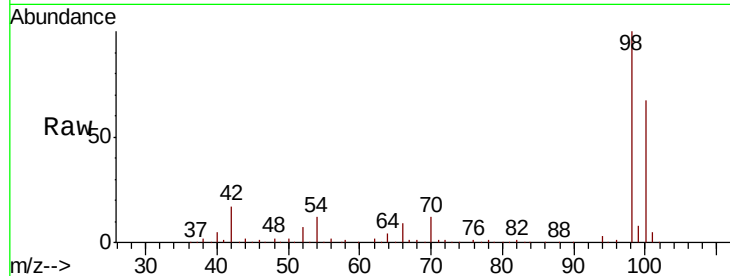
RBR-200027

Tot Ion: 43 Resp: 5402

Ion Ratio Lower Upper

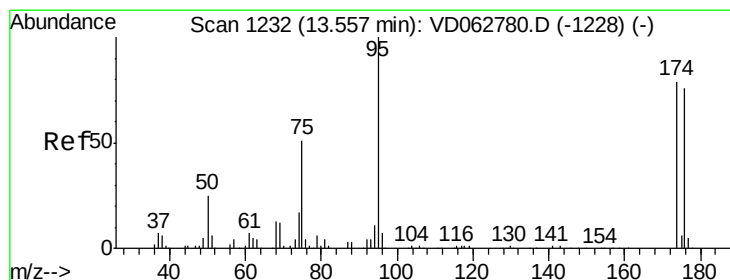
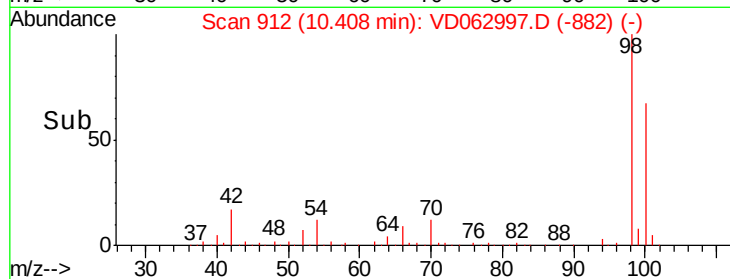
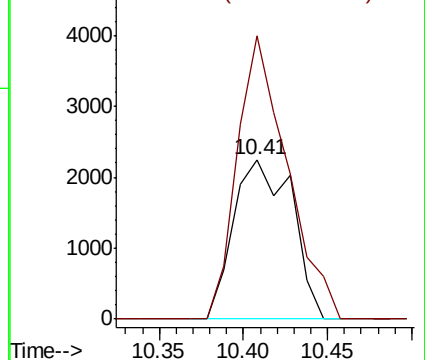
43 100

58 177.6 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 45.275 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062997.D

Acq: 1 Jul 2019 18:24

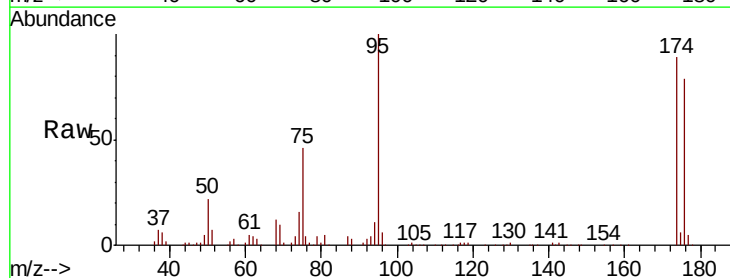
Tgt Ion: 95 Resp: 448335

Ion Ratio Lower Upper

95 100

174 88.9 0.0 158.0

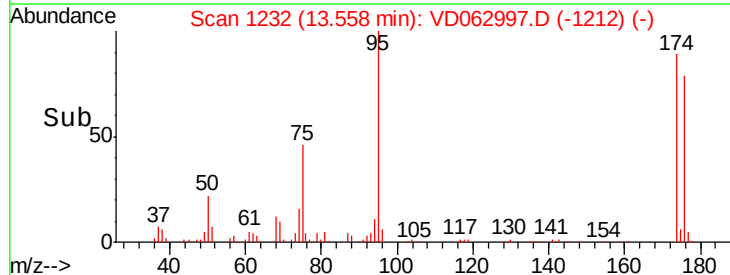
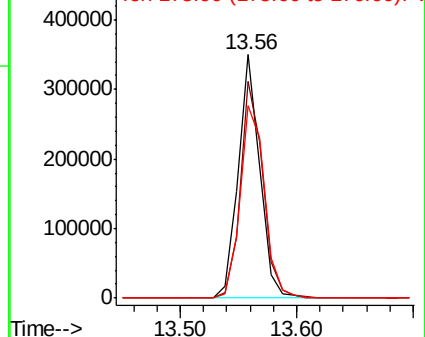
176 79.1 0.0 151.6

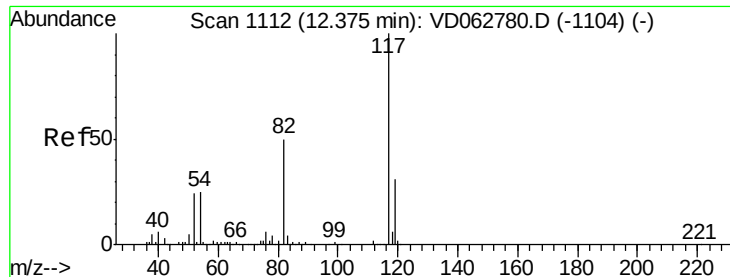


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

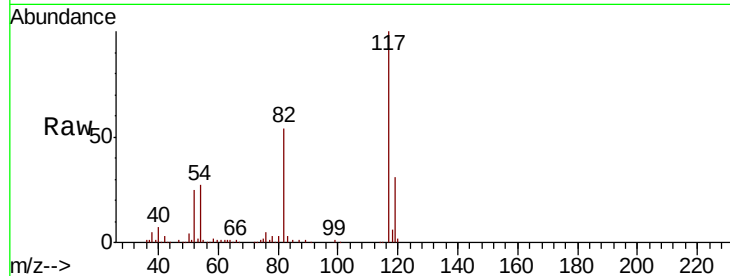




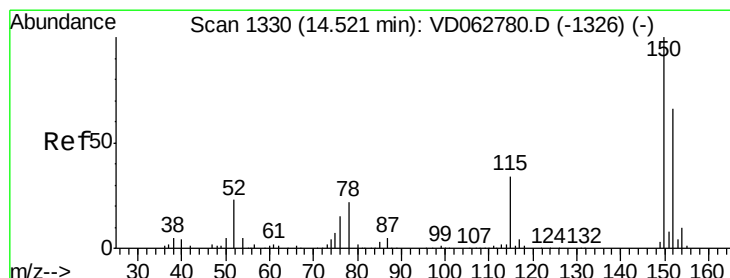
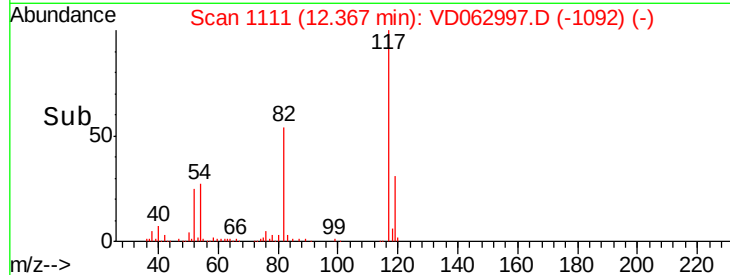
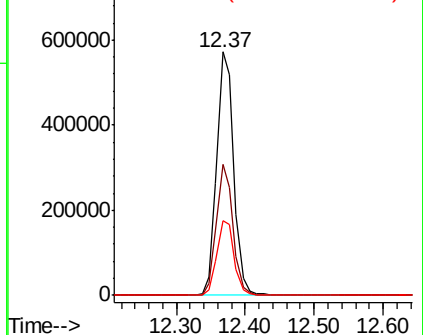
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062997.D
Acq: 1 Jul 2019 18:24

Instrument :
MSVOA_D
ClientSampleId :
RBR-200027

Tot Ion:117 Resp: 979694
Ion Ratio Lower Upper
117 100
82 53.9 40.4 60.6
119 30.8 25.2 37.8

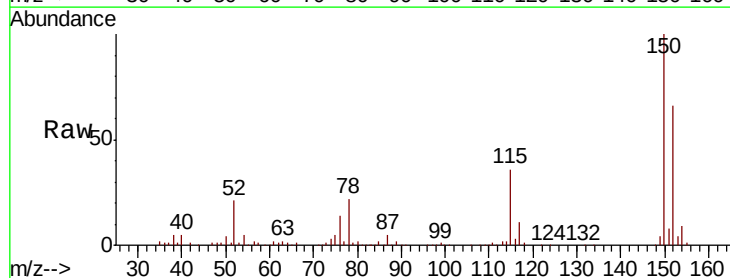


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

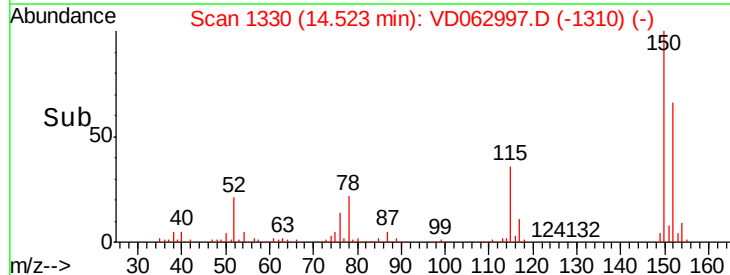
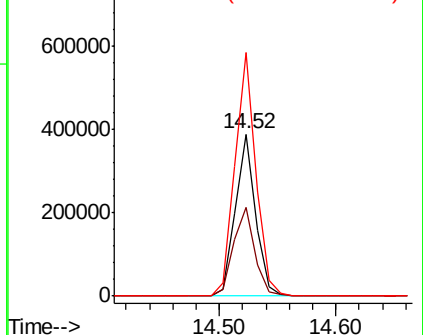


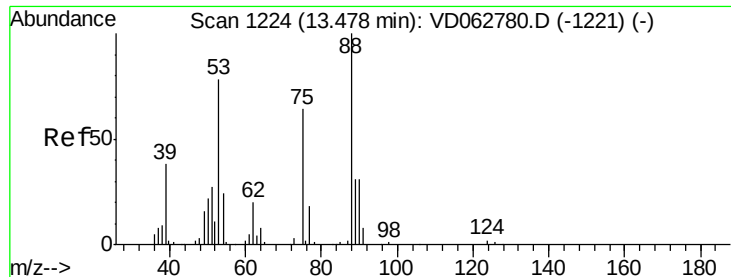
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062997.D
Acq: 1 Jul 2019 18:24

Tgt Ion:152 Resp: 465798
Ion Ratio Lower Upper
152 100
115 54.9 29.2 87.6
150 150.5 0.0 305.8



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: 149.251 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062997.D

Acq: 1 Jul 2019 18:24

Instrument :

MSVOA_D

ClientSampleId :

RBR-200027

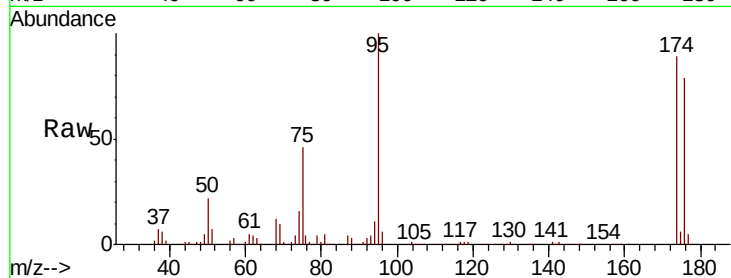
Tot Ion: 75 Resp: 210341

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

