

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062945.D
 Acq On : 27 Jun 2019 21:28
 Operator : VA/AP
 Sample : K3552-12
 Misc : 5.03g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:23:20 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	7.02	168	686957	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	924176	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	744021	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.50	152	399020	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	357360	47.86	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	95.72%	
35) Dibromofluoromethane	6.90	113	377531	48.45	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	96.90%	
50) Toluene-d8	10.39	98	789633	46.56	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	93.12%	
62) 4-Bromofluorobenzene	13.54	95	347945	45.12	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	90.24%	

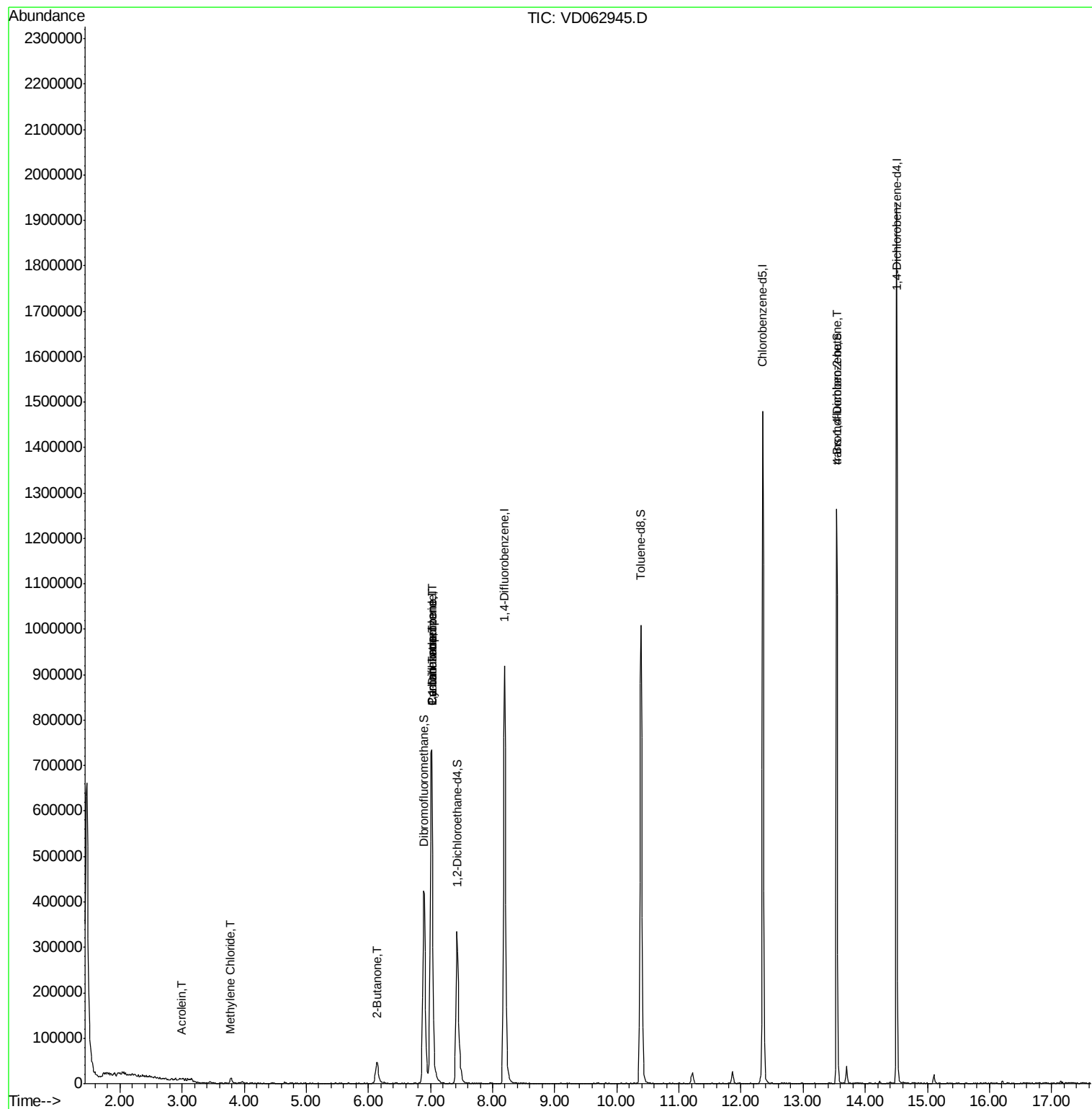
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.99	56	600	1.728	ug/l #	1
16) Acetone	3.20	43	7069	Below Cal	#	89
20) Methylene Chloride	3.78	84	5994	1.053	ug/l #	87
25) 2-Butanone	6.15	43	4843	3.468	ug/l #	64
31) Cyclohexane	7.01	56	18131	2.586	ug/l #	22
36) 1,1-Dichloropropene	7.01	75	57394	6.560	ug/l #	56
38) Carbon Tetrachloride	7.01	117	70893	5.388	ug/l #	18
81) trans-1,4-Dichloro-2-buten	13.54	75	180230	149.288	ug/l #	2

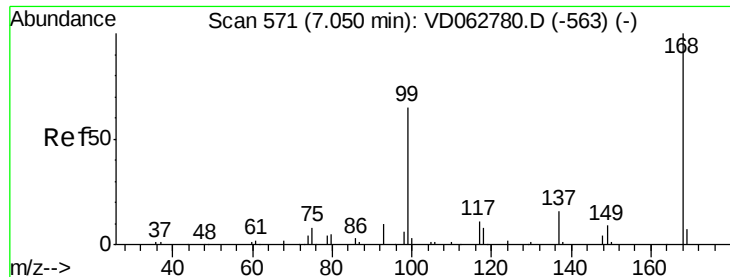
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062719\
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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: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062945.D

Acq: 27 Jun 2019 21:28

Instrument :

MSVOA_D

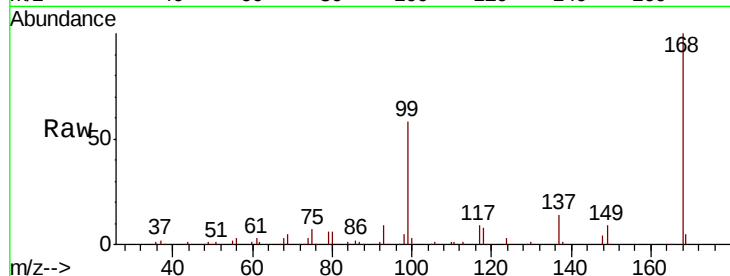
ClientSampleId :

Tot Ion:168 Resp: 686957

Ion Ratio Lower Upper

168 100

99 57.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

250000

200000

150000

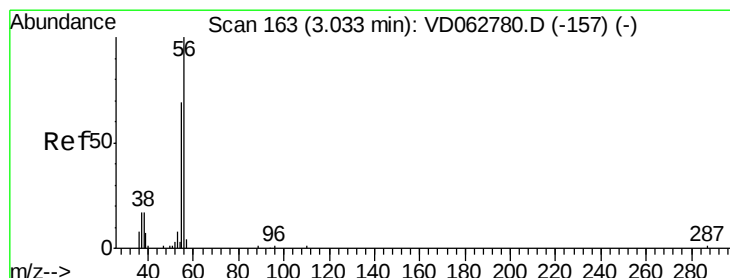
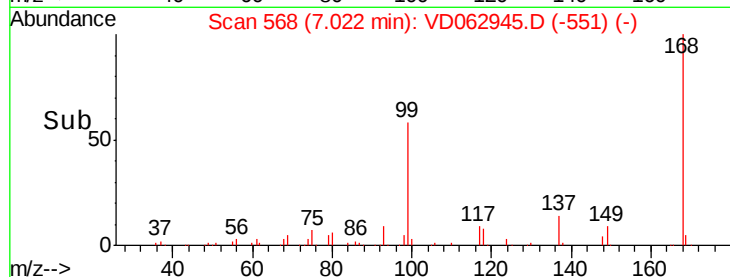
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#13

Acrolein

Concen: 1.728 ug/l

RT: 2.99 min Scan# 158

Delta R.T. -0.05 min

Lab File: VD062945.D

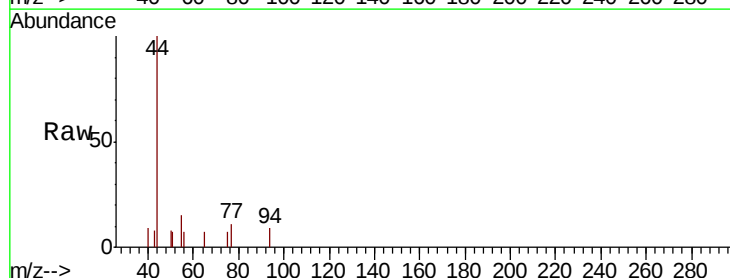
Acq: 27 Jun 2019 21:28

Tgt Ion: 56 Resp: 600

Ion Ratio Lower Upper

56 100

55 211.3 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

800

600

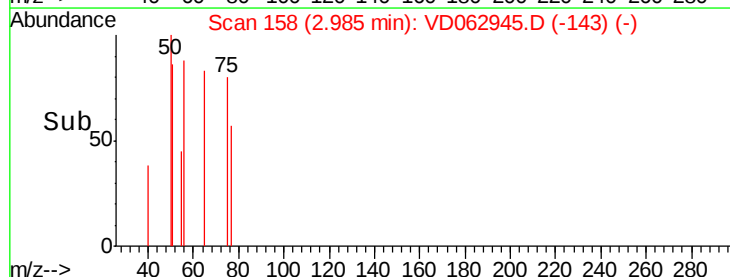
400

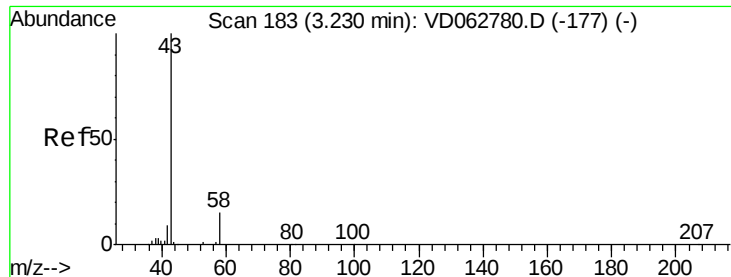
200

0

2.95 3.00

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062945.D

Acq: 27 Jun 2019 21:28

Instrument :

MSVOA_D

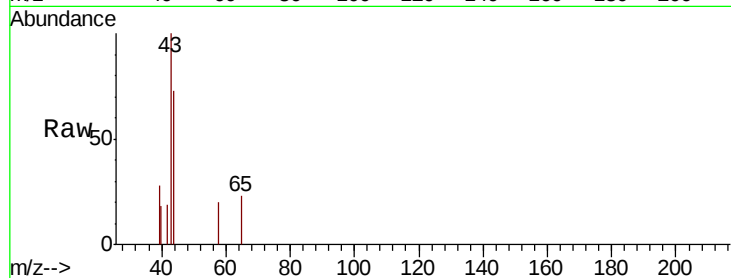
ClientSampleId :

Tot Ion: 43 Resp: 7069

Ion Ratio Lower Upper

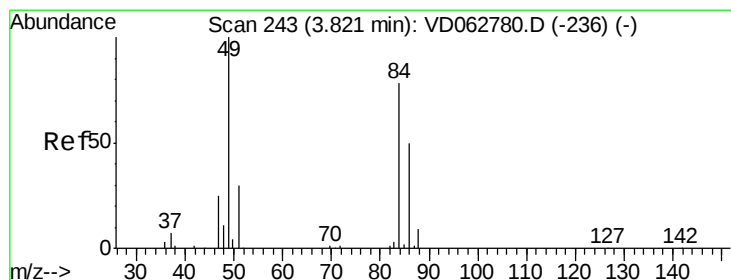
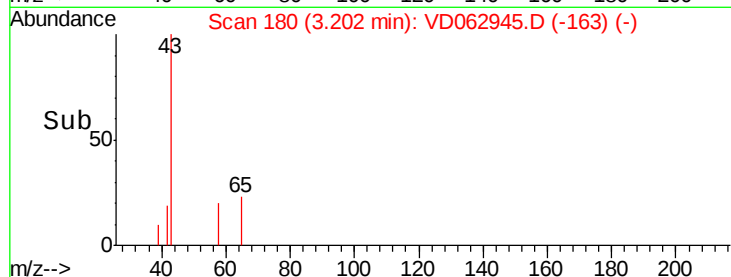
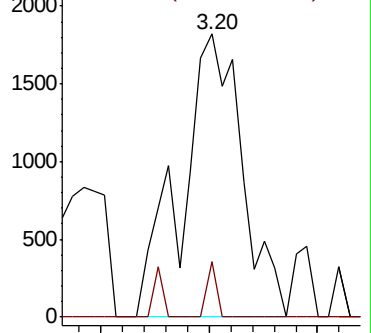
43 100

58 19.6 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.053 ug/l

RT: 3.78 min Scan# 239

Delta R.T. -0.04 min

Lab File: VD062945.D

Acq: 27 Jun 2019 21:28

Tgt Ion: 84 Resp: 5994

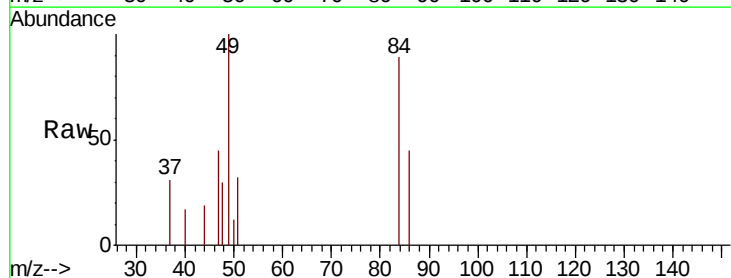
Ion Ratio Lower Upper

84 100

49 112.6 102.9 154.3

51 36.6 31.2 46.8

86 50.2 51.4 77.2#

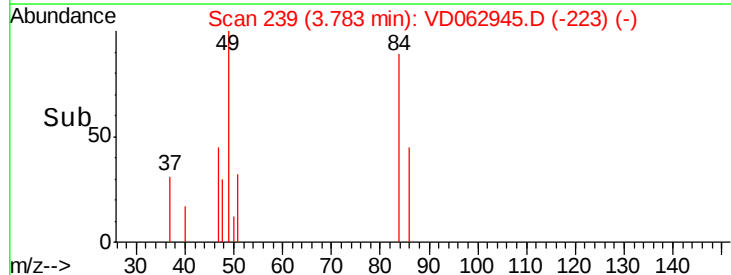
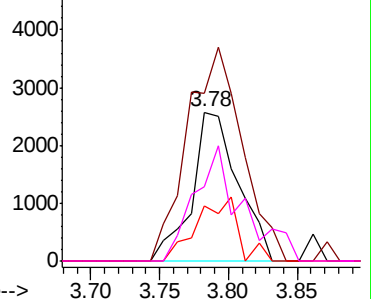


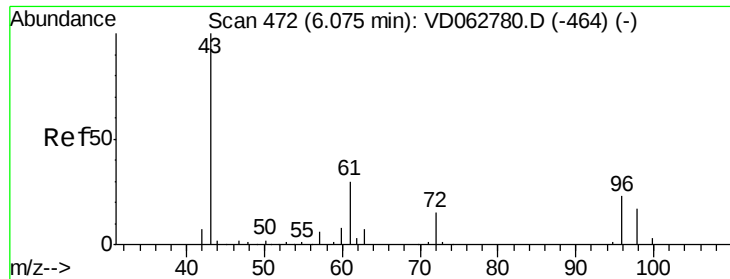
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 3.468 ug/l

RT: 6.15 min Scan# 479

Delta R.T. 0.07 min

Lab File: VD062945.D

Acq: 27 Jun 2019 21:28

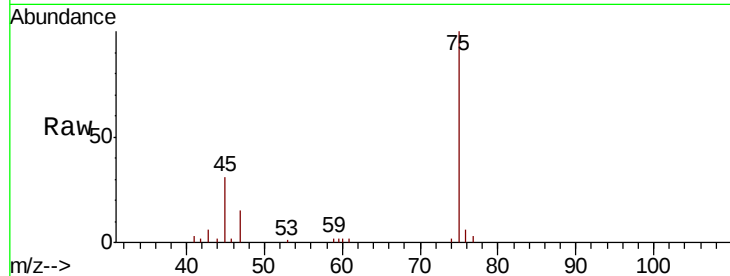
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 4843

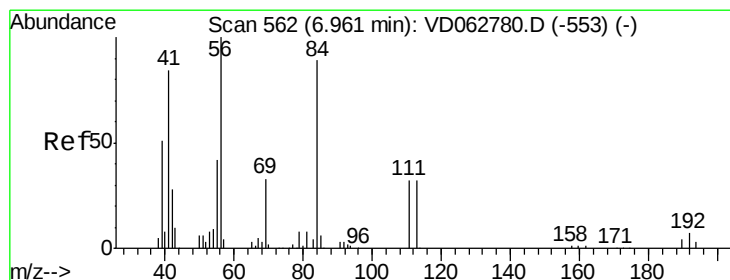
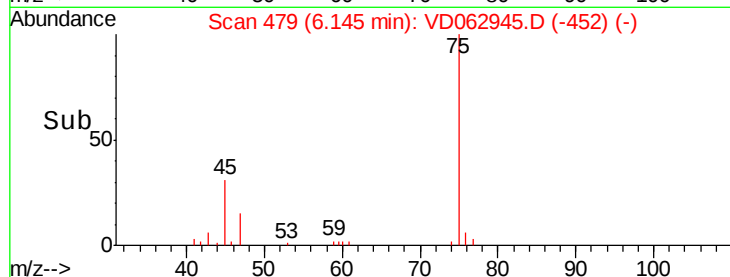
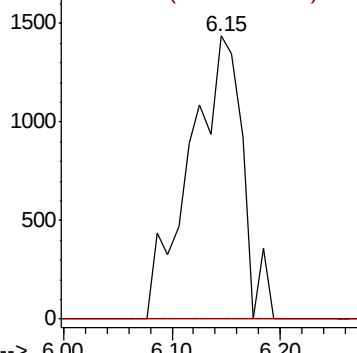
Ion Ratio Lower Upper

43 100

72 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.586 ug/l

RT: 7.01 min Scan# 567

Delta R.T. 0.05 min

Lab File: VD062945.D

Acq: 27 Jun 2019 21:28

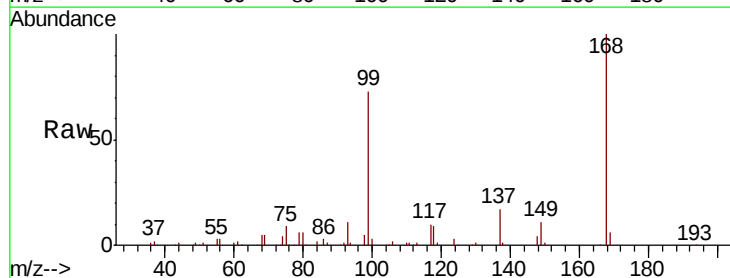
Tgt Ion: 56 Resp: 18131

Ion Ratio Lower Upper

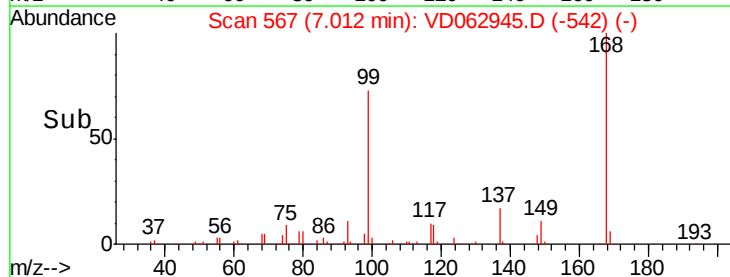
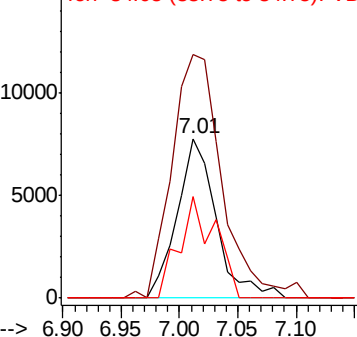
56 100

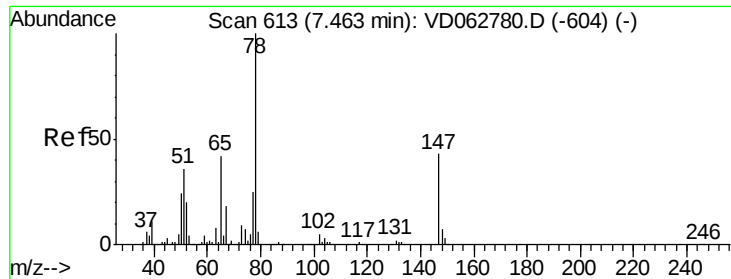
69 152.8 26.6 39.8#

84 63.6 75.5 113.3#



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

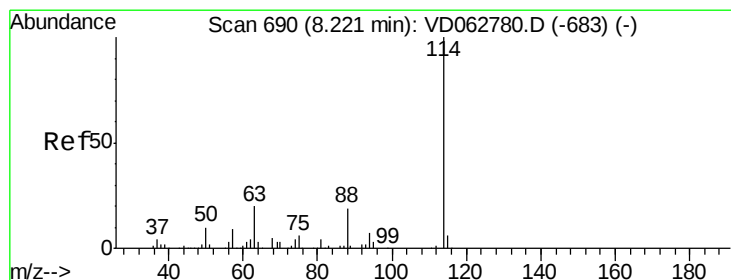
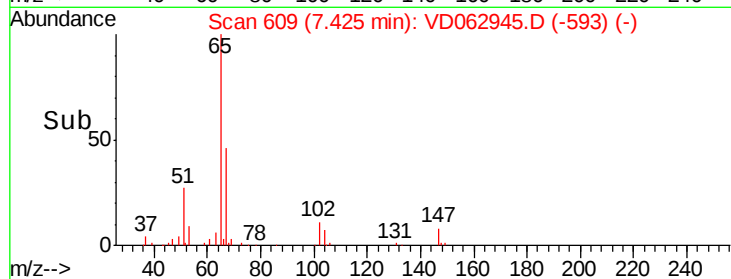
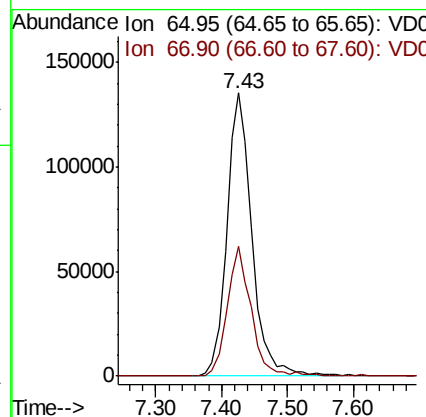
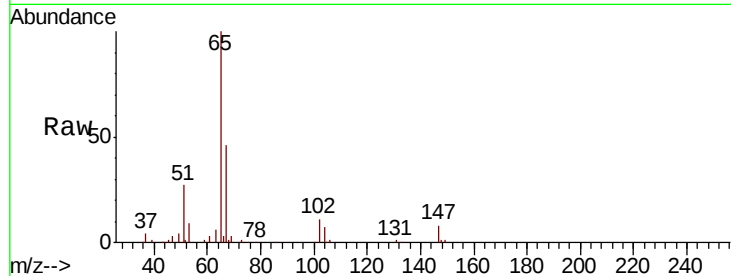




#33
 1,2-Dichloroethane-d4
 Concen: 47.858 ug/l
 RT: 7.43 min Scan# 609
 Delta R.T. -0.04 min
 Lab File: VD062945.D
 Acq: 27 Jun 2019 21:28

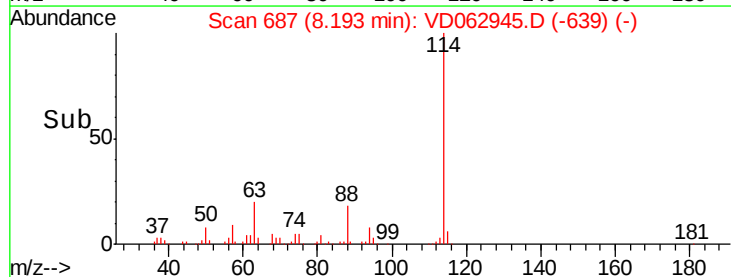
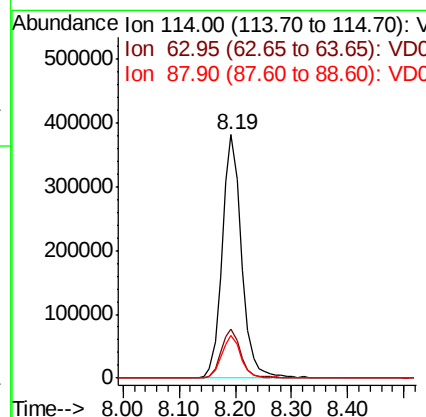
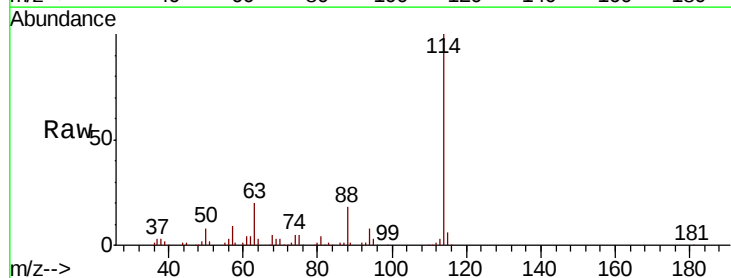
Instrument :
 MSVOA_D
 ClientSampleId :

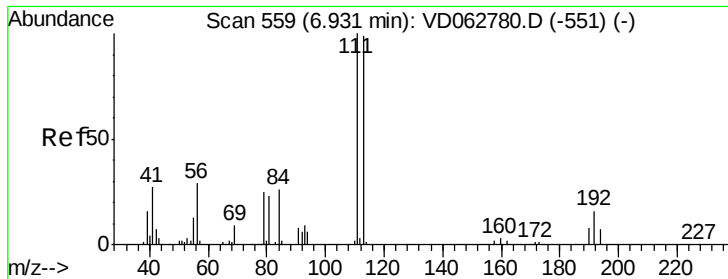
Tot Ion: 65 Resp: 357360
 Ion Ratio Lower Upper
 65 100
 67 45.8 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.03 min
 Lab File: VD062945.D
 Acq: 27 Jun 2019 21:28

Tgt Ion: 114 Resp: 924176
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.0
 88 17.6 0.0 38.8

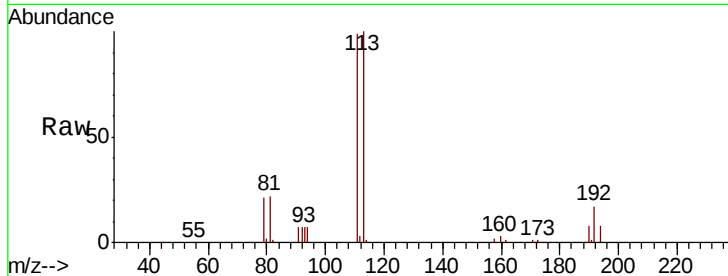




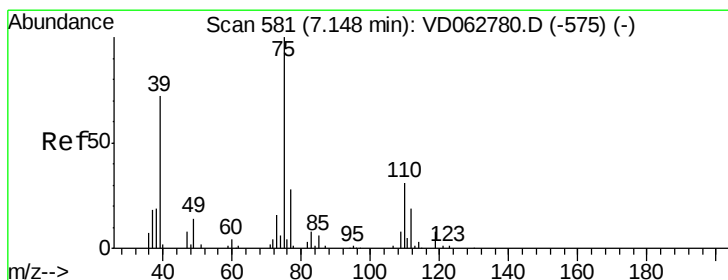
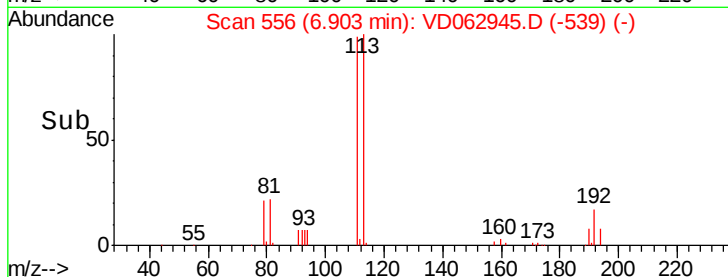
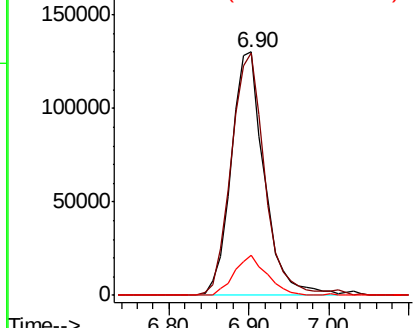
#35
 Dibromofluoromethane
 Concen: 48.447 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062945.D
 Acq: 27 Jun 2019 21:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.4	81.2	121.8
192	16.7	12.9	19.3

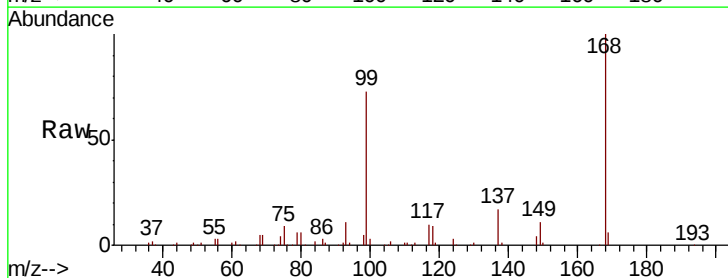


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

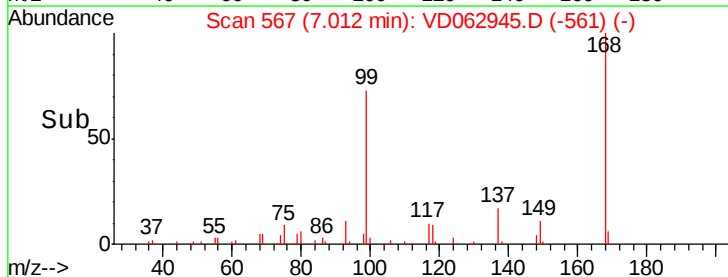
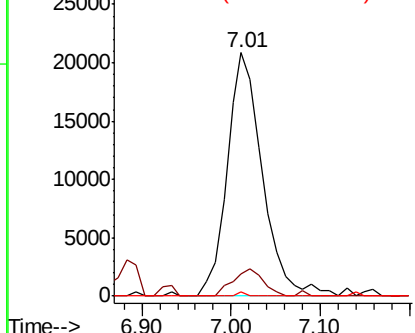


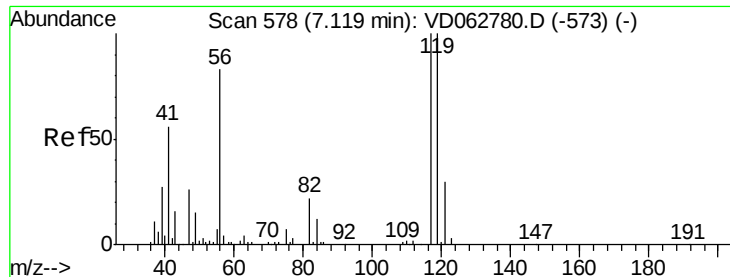
#36
 1,1-Dichloropropene
 Concen: 6.560 ug/l
 RT: 7.01 min Scan# 567
 Delta R.T. -0.14 min
 Lab File: VD062945.D
 Acq: 27 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	15.0	45.1#
77	1.5	22.2	33.2#



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

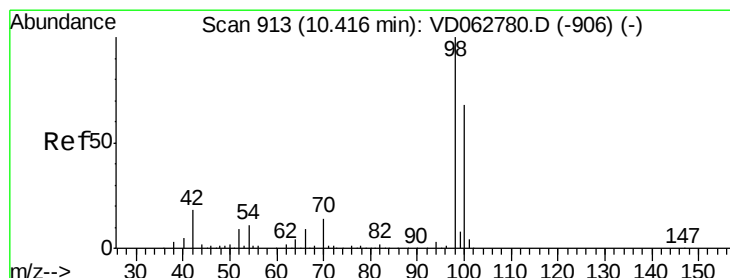
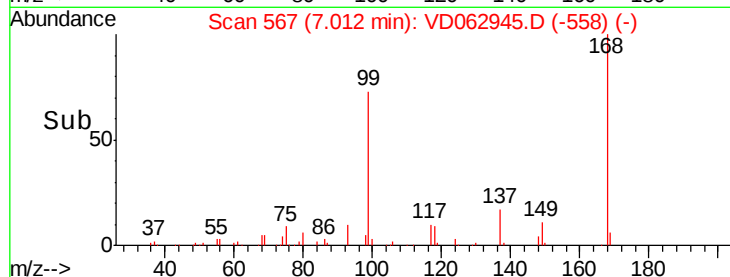
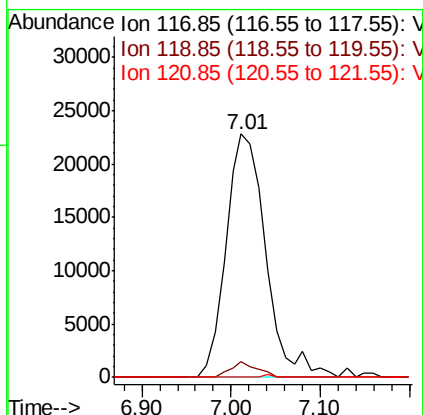
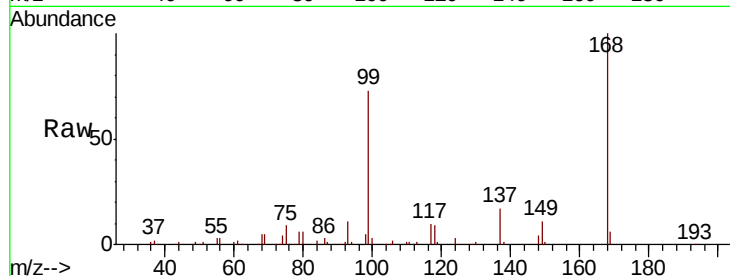




#38
Carbon Tetrachloride
Concen: 5.388 ug/l
RT: 7.01 min Scan# 567
Delta R.T. -0.11 min
Lab File: VD062945.D
Acq: 27 Jun 2019 21:28

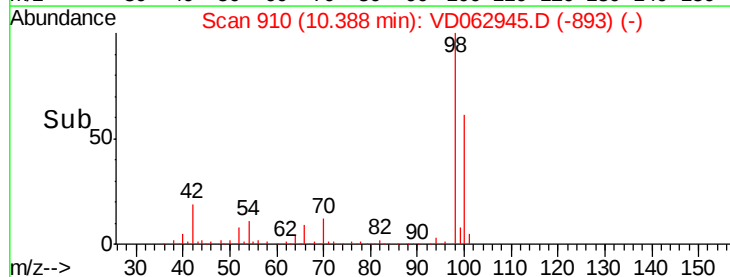
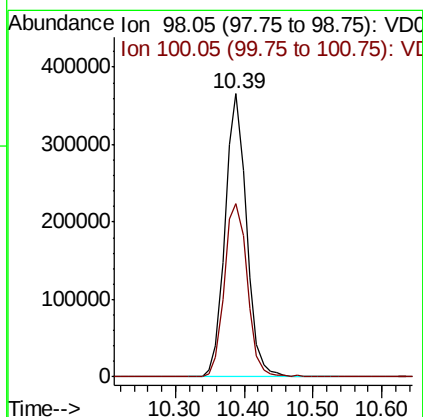
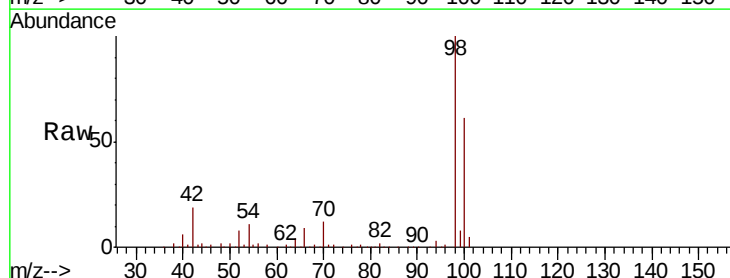
Instrument :
MSVOA_D
ClientSampleId :

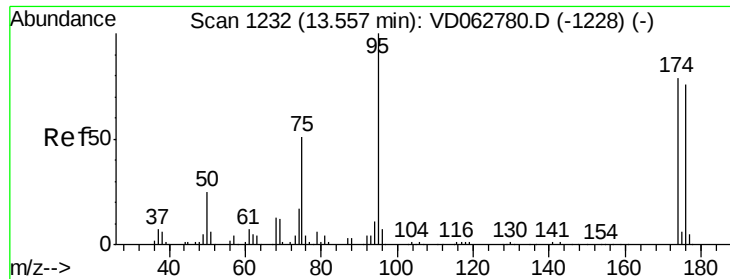
Tot Ion:117 Resp: 70893
Ion Ratio Lower Upper
117 100
119 6.5 75.4 113.2#
121 0.0 22.3 33.5#



#50
Toluene-d8
Concen: 46.558 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062945.D
Acq: 27 Jun 2019 21:28

Tgt Ion: 98 Resp: 789633
Ion Ratio Lower Upper
98 100
100 61.4 54.7 82.1





#62

4-Bromofluorobenzene

Concen: 45.117 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. -0.02 min

Lab File: VD062945.D

Acq: 27 Jun 2019 21:28

Instrument :

MSVOA_D

ClientSampleId :

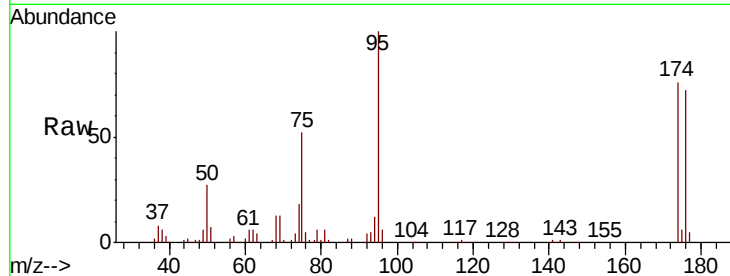
Tot Ion: 95 Resp: 347945

Ion Ratio Lower Upper

95 100

174 75.9 0.0 158.0

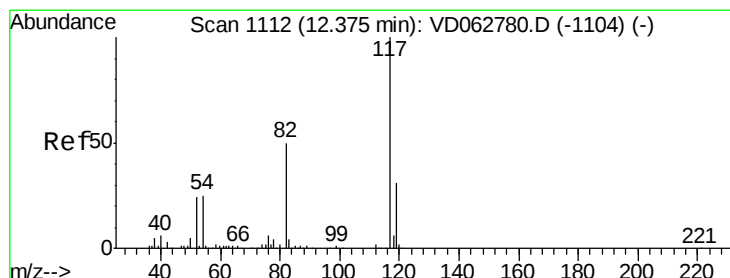
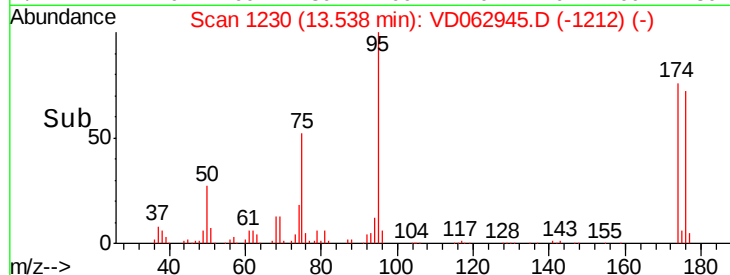
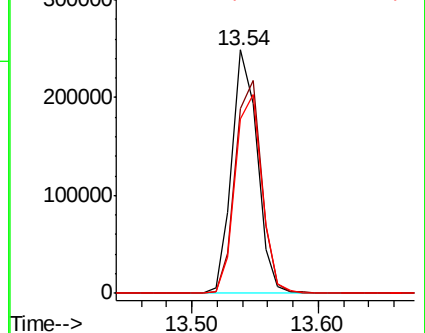
176 71.6 0.0 151.6



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: 12.35 min Scan# 1109

Delta R.T. -0.03 min

Lab File: VD062945.D

Acq: 27 Jun 2019 21:28

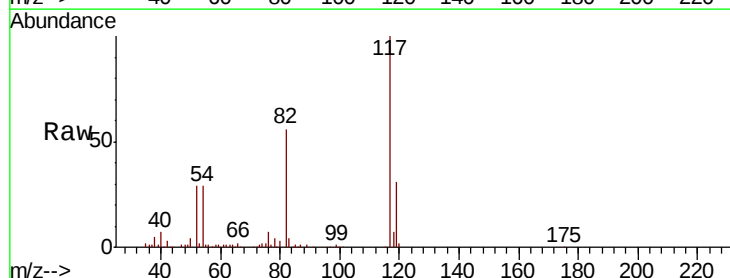
Tgt Ion: 117 Resp: 744021

Ion Ratio Lower Upper

117 100

82 56.2 40.4 60.6

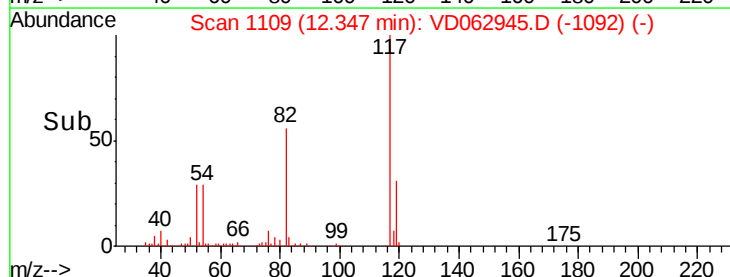
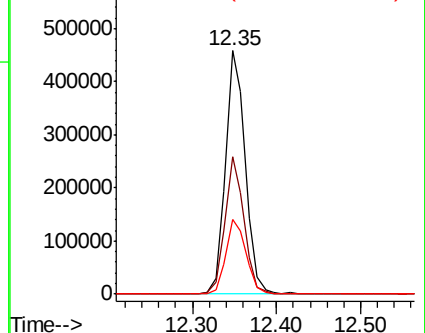
119 30.8 25.2 37.8

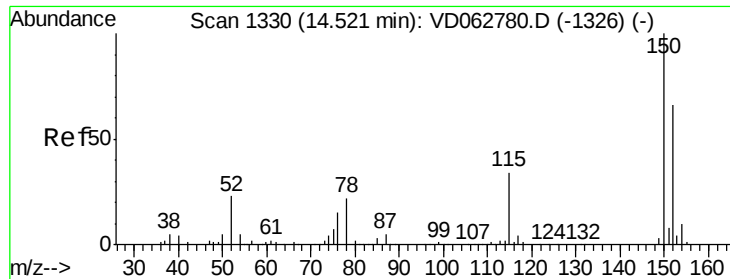


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.50 min Scan# 1328

Delta R.T. -0.02 min

Lab File: VD062945.D

Acq: 27 Jun 2019 21:28

Instrument :

MSVOA_D

ClientSampleId :

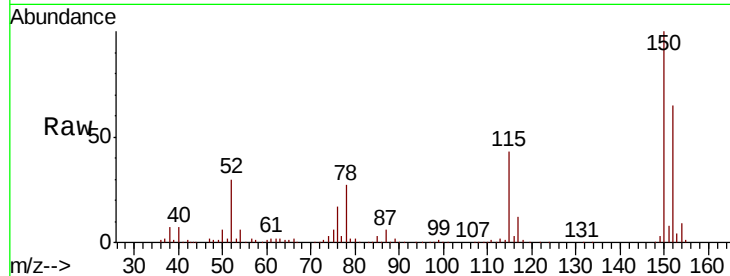
Tot Ion:152 Resp: 399020

Ion Ratio Lower Upper

152 100

115 65.3 29.2 87.6

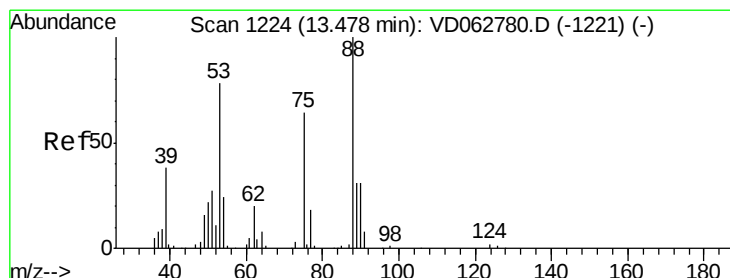
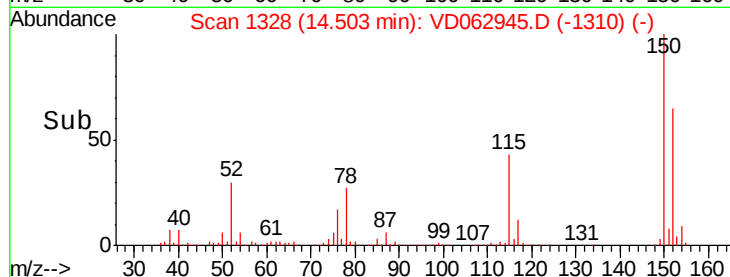
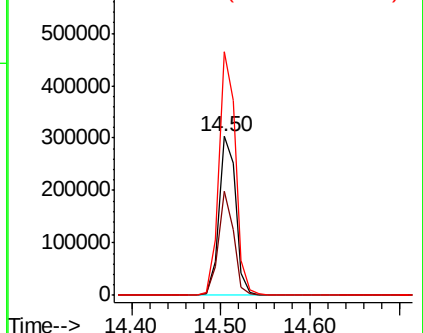
150 153.3 0.0 305.8



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: 149.288 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. 0.06 min

Lab File: VD062945.D

Acq: 27 Jun 2019 21:28

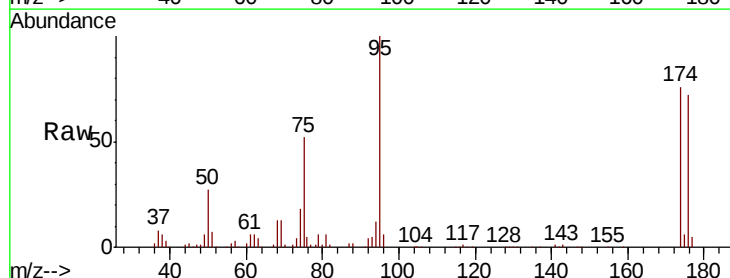
Tgt Ion: 75 Resp: 180230

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

