

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD06348.D
 Acq On : 3 Aug 2019 7:21
 Operator : VA/AP
 Sample : K4129-10
 Misc : 5.68g/5ml/MSVOA_D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 03:46:02 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	907989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1248463	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	958821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	401798	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	493652	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.00%	
35) Dibromofluoromethane	6.92	113	532230	49.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.86%	
50) Toluene-d8	10.40	98	1012886	42.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.92%	
62) 4-Bromofluorobenzene	13.55	95	408500	37.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.16%	

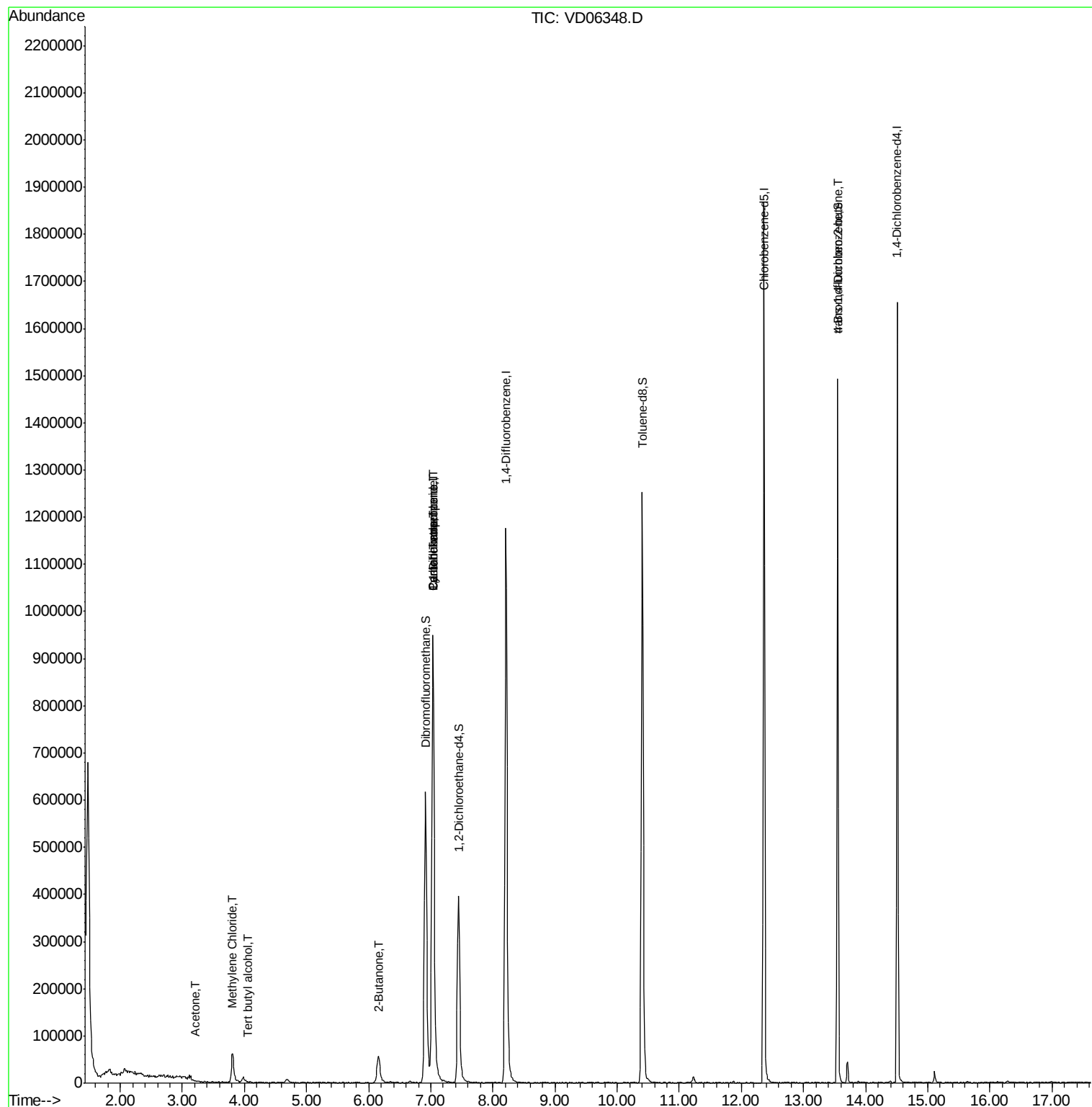
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	1606	3.632	ug/l #	20
16) Acetone	3.21	43	5355	2.728	ug/l #	62
20) Methylene Chloride	3.81	84	36712	4.627	ug/l #	91
25) 2-Butanone	6.17	43	3931	1.995	ug/l #	56
31) Cyclohexane	7.03	56	17656	1.967	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	69432	6.094	ug/l #	55
38) Carbon Tetrachloride	7.04	117	86110	5.020	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	197122	147.094	ug/l #	3

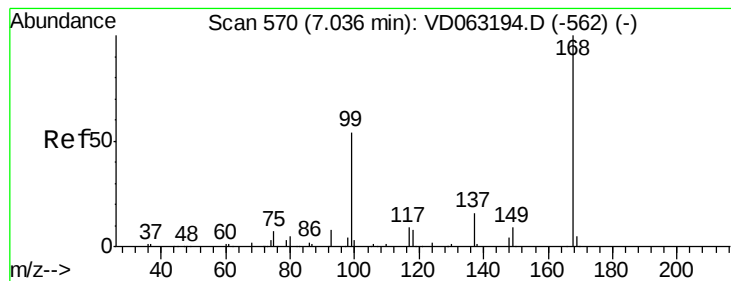
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD06348.D

Acq: 3 Aug 2019 7:21

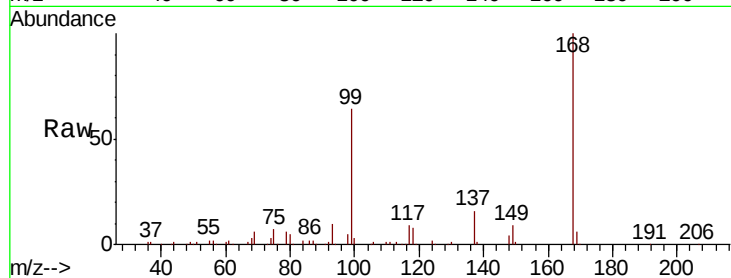
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:168 Resp: 907989

Ion Ratio Lower Upper

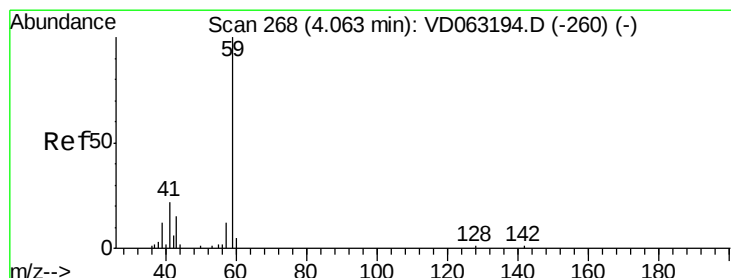
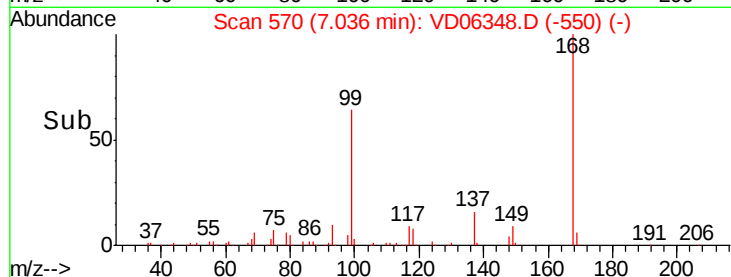
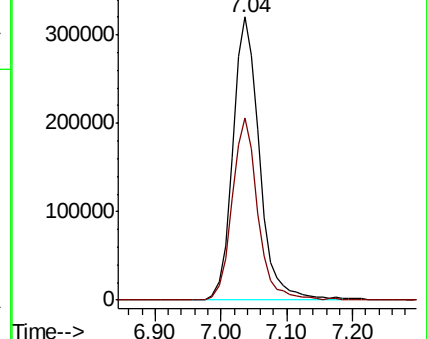
168 100

99 64.2 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 3.632 ug/l

RT: 4.05 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD06348.D

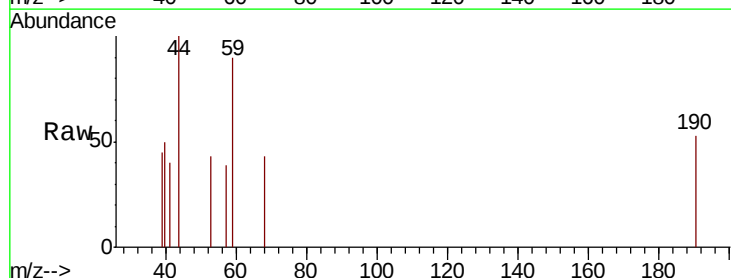
Acq: 3 Aug 2019 7:21

Tgt Ion: 59 Resp: 1606

Ion Ratio Lower Upper

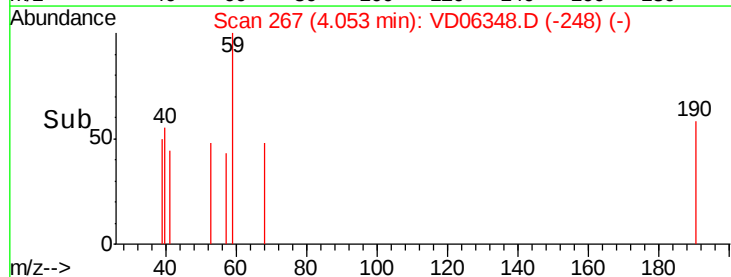
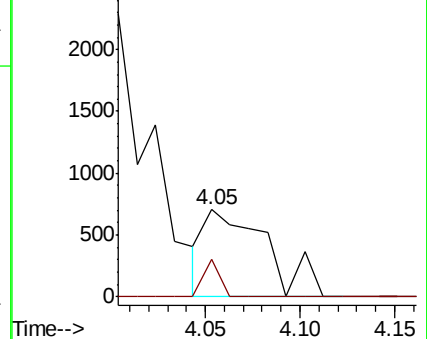
59 100

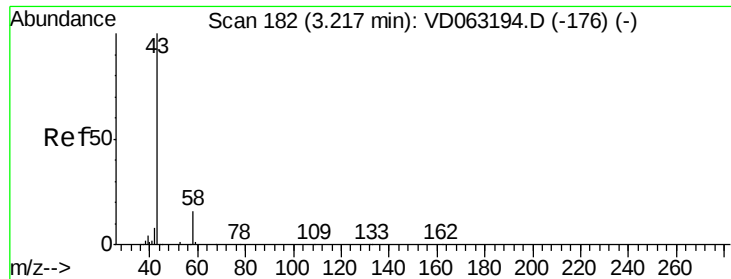
57 43.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 2.728 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD06348.D

Acq: 3 Aug 2019 7:21

Instrument :

MSVOA_D

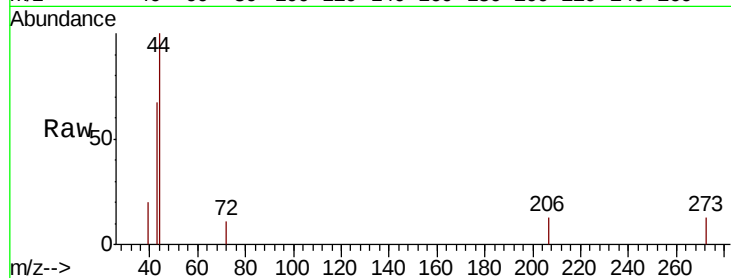
ClientSampleId :

Tgt Ion: 43 Resp: 5355

Ion Ratio Lower Upper

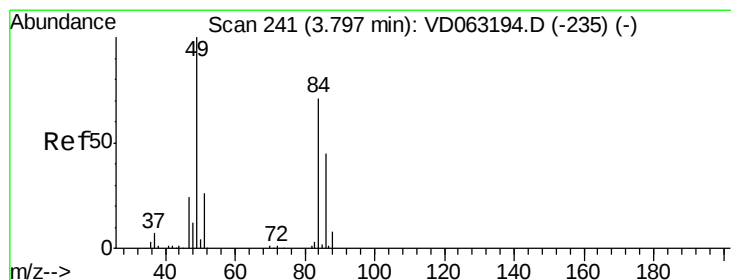
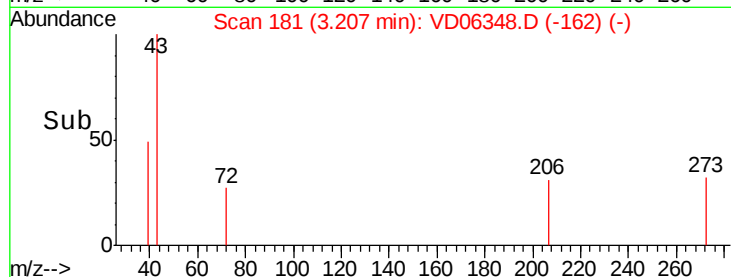
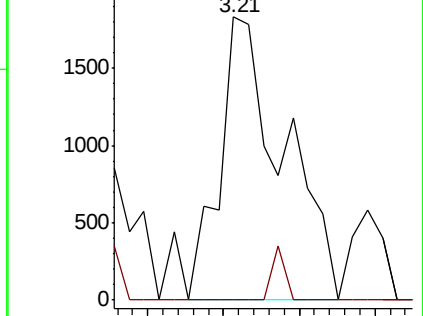
43 100

58 0.0 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: 4.627 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD06348.D

Acq: 3 Aug 2019 7:21

Tgt Ion: 84 Resp: 36712

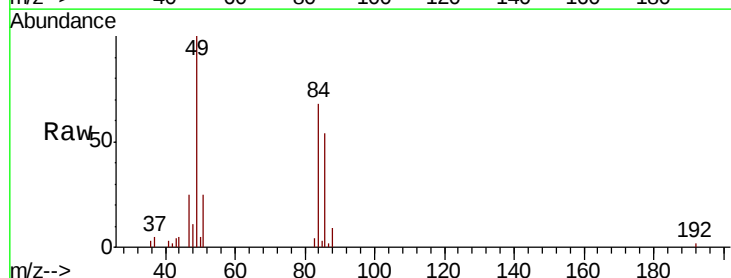
Ion Ratio Lower Upper

84 100

49 147.6 112.5 168.7

51 37.2 29.6 44.4

86 80.3 50.4 75.6#

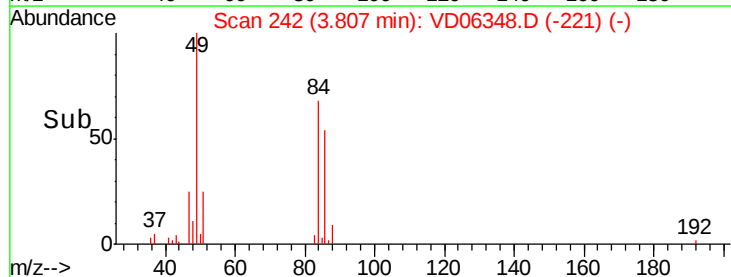
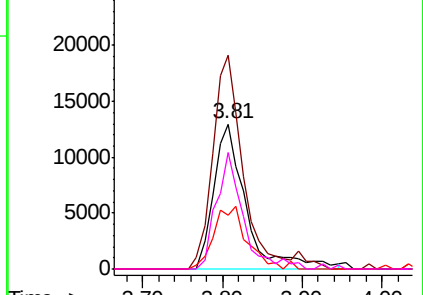


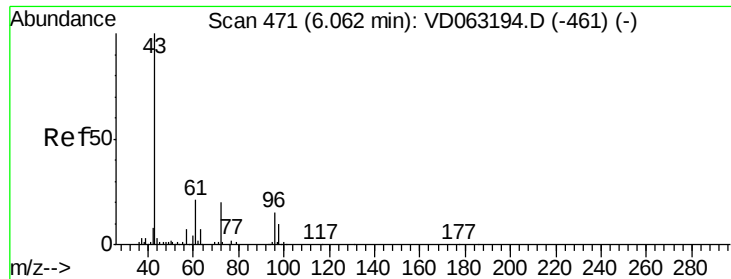
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 1.995 ug/l

RT: 6.17 min Scan# 482

Delta R.T. 0.11 min

Lab File: VD06348.D

Acq: 3 Aug 2019 7:21

Instrument :

MSVOA_D

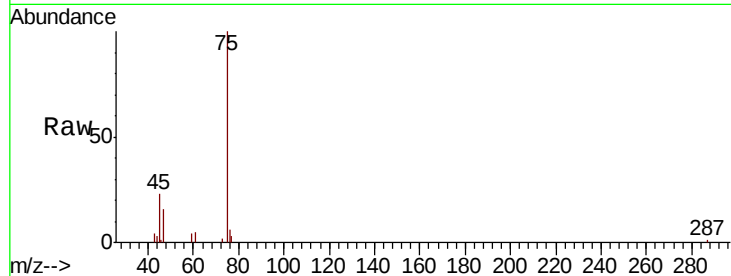
ClientSampled :

Tgt Ion: 43 Resp: 3931

Ion Ratio Lower Upper

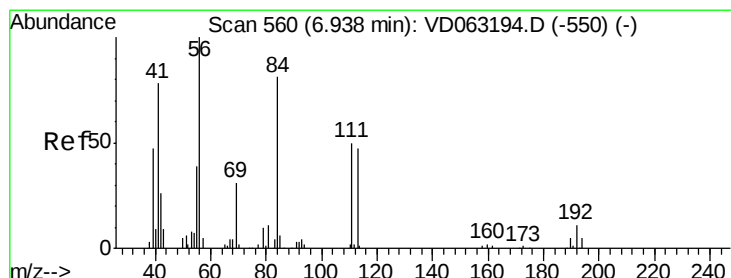
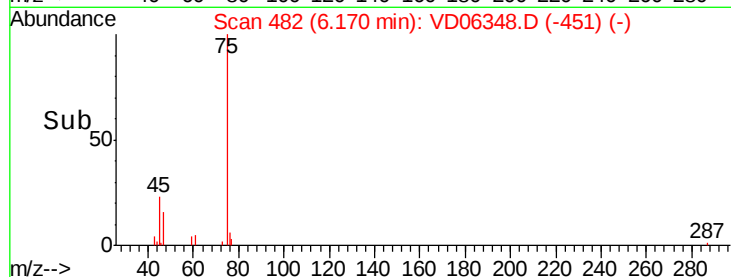
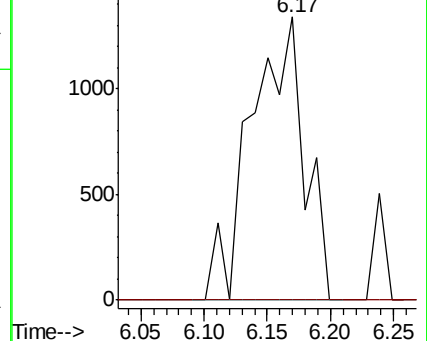
43 100

72 0.0 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.967 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.09 min

Lab File: VD06348.D

Acq: 3 Aug 2019 7:21

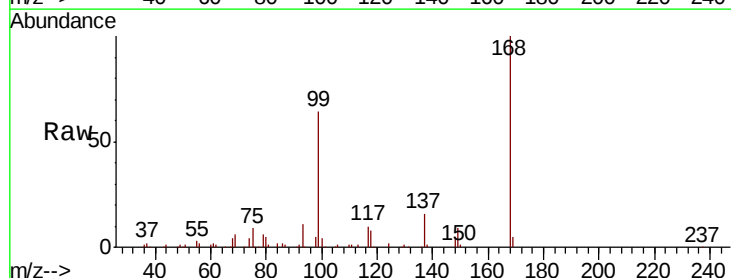
Tgt Ion: 56 Resp: 17656

Ion Ratio Lower Upper

56 100

69 295.5 24.5 36.7#

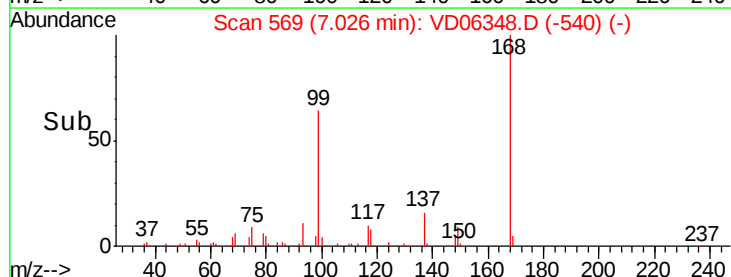
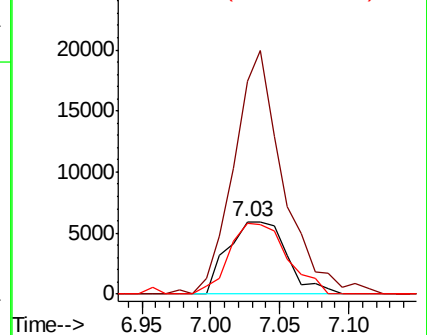
84 98.5 64.9 97.3#

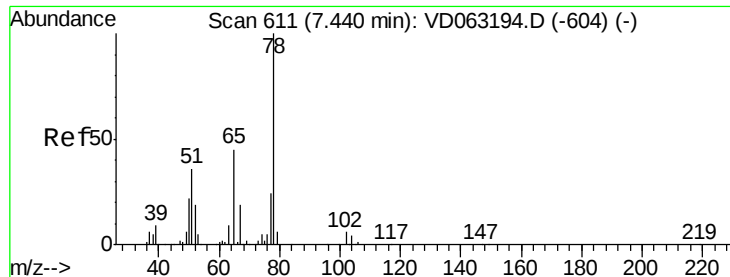


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.998 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD06348.D

Acq: 3 Aug 2019 7:21

Instrument :

MSVOA_D

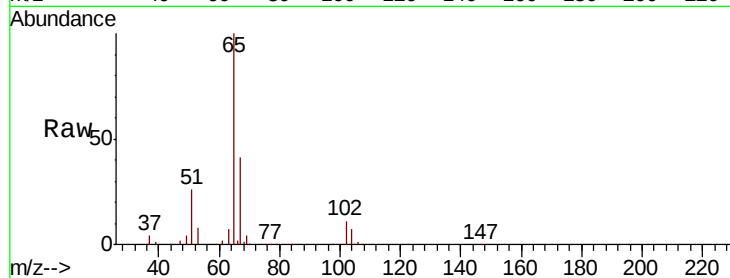
ClientSampled :

Tgt Ion: 65 Resp: 493652

Ion Ratio Lower Upper

65 100

67 40.6 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

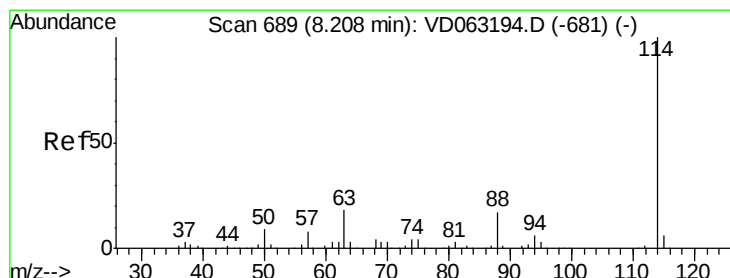
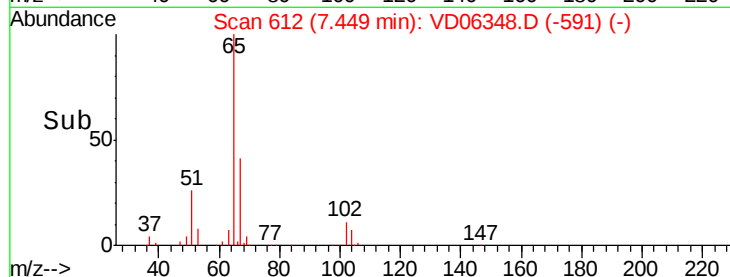
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD06348.D

Acq: 3 Aug 2019 7:21

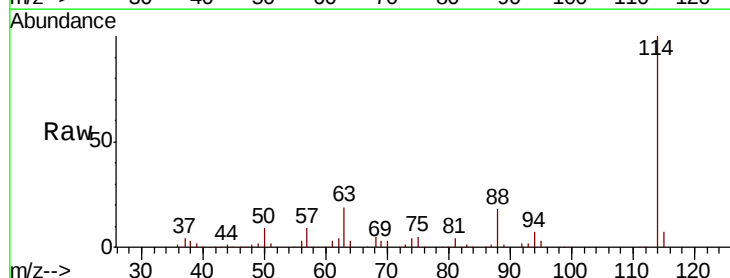
Tgt Ion: 114 Resp: 1248463

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.2

88 17.9 0.0 34.6



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

8.21

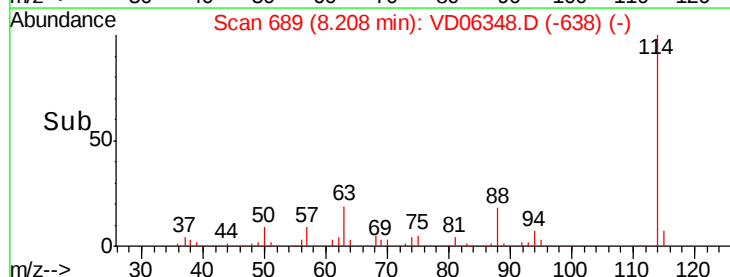
600000

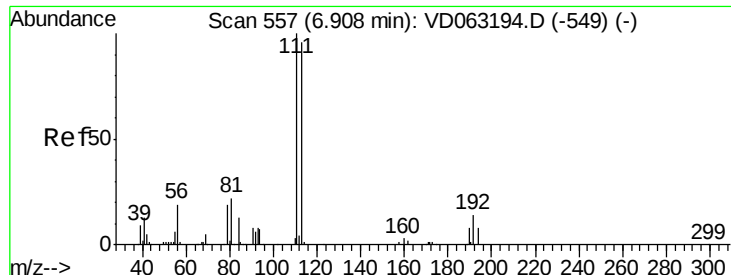
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.931 ug/l

RT: 6.92 min Scan# 558

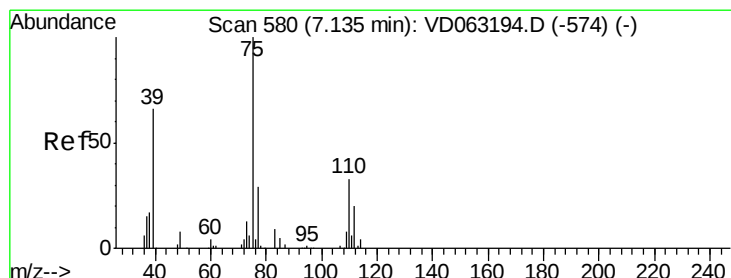
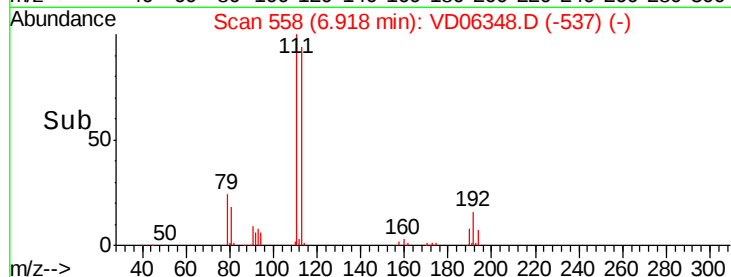
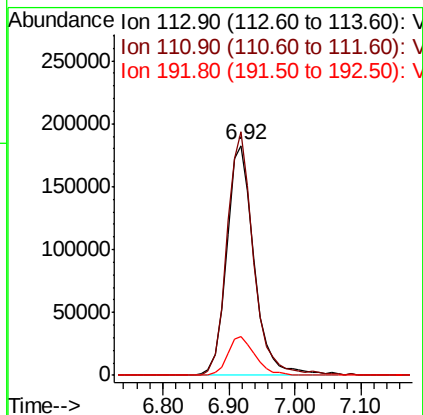
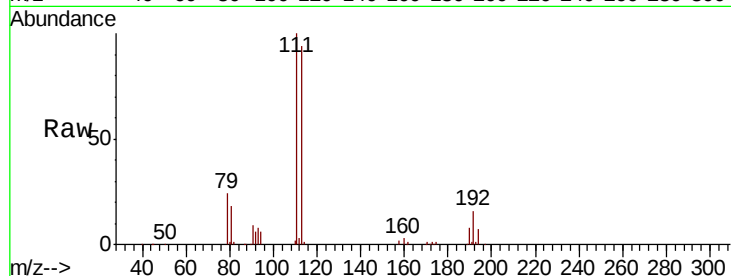
Delta R.T. 0.01 min

Lab File: VD06348.D

Acq: 3 Aug 2019 7:21

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	113	Resp:	532230
Ion	Ratio	Lower	Upper
113	100		
111	106.0	83.2	124.8
192	16.9	11.8	17.8



#36

1,1-Dichloropropene

Concen: 6.094 ug/l

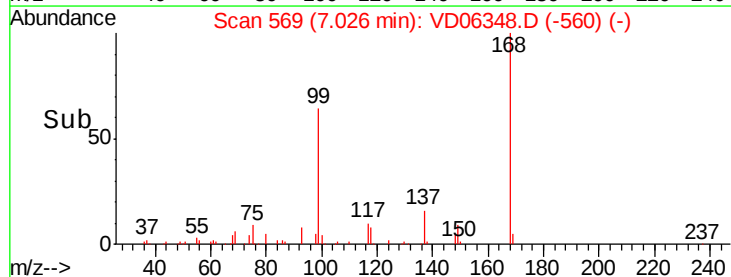
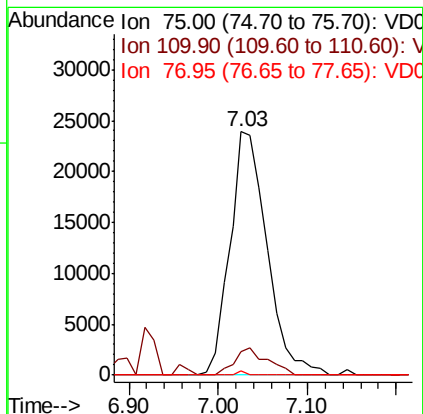
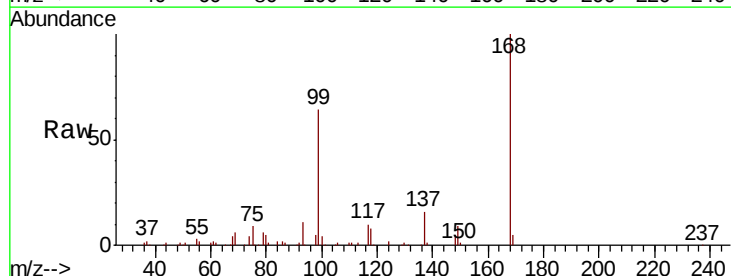
RT: 7.03 min Scan# 569

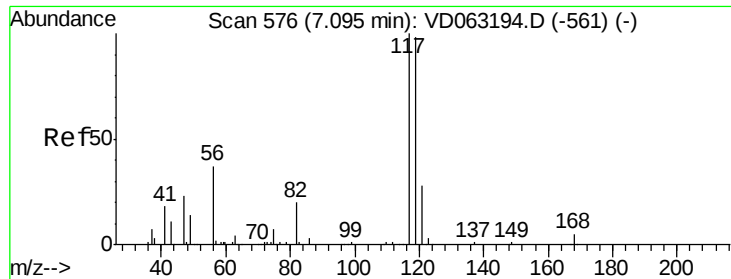
Delta R.T. -0.11 min

Lab File: VD06348.D

Acq: 3 Aug 2019 7:21

Tgt Ion:	75	Resp:	69432
Ion	Ratio	Lower	Upper
75	100		
110	9.7	16.1	48.2#
77	1.5	22.7	34.1#

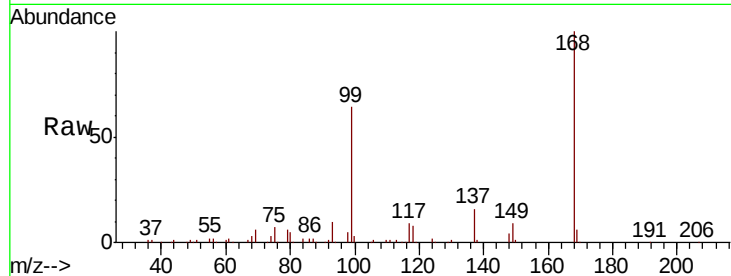




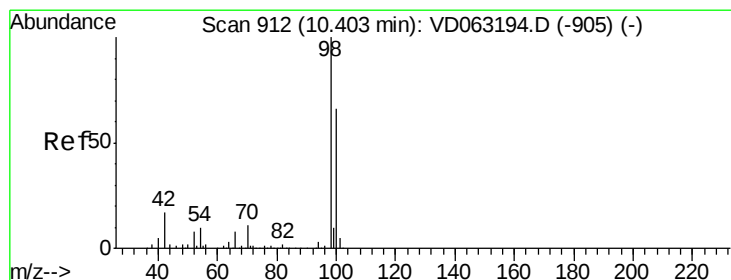
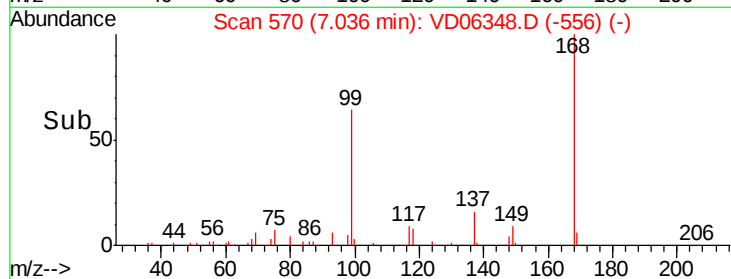
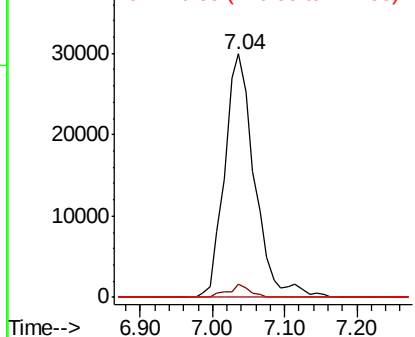
#38
Carbon Tetrachloride
Concen: 5.020 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD06348.D
Acq: 3 Aug 2019 7:21

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:117 Resp: 86110
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.2#
121 0.0 22.1 33.1#

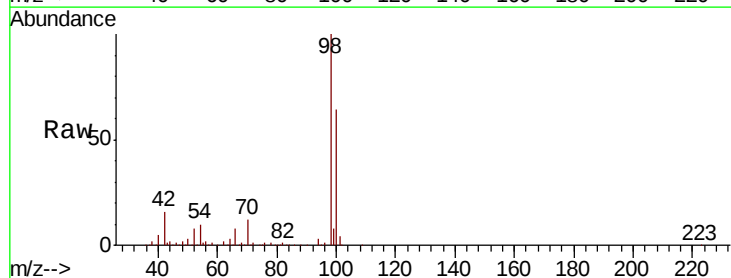


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

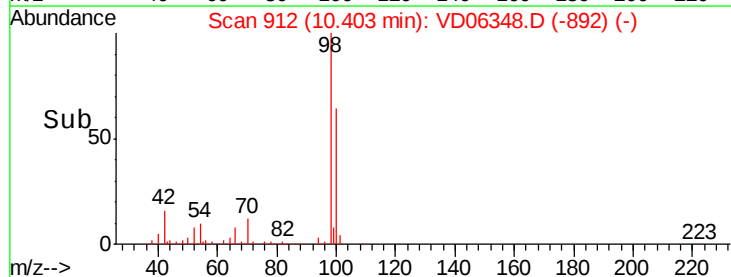
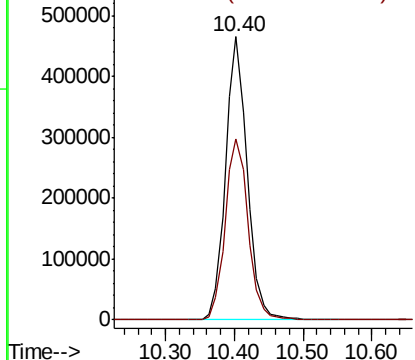


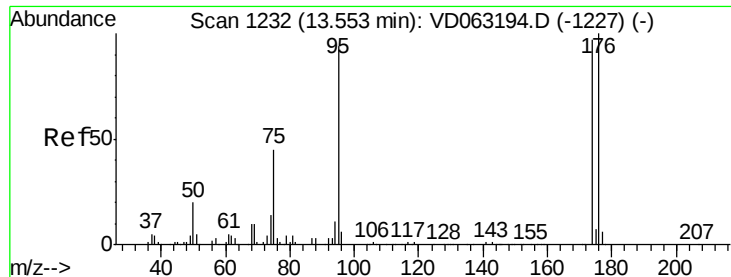
#50
Toluene-d8
Concen: 42.460 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD06348.D
Acq: 3 Aug 2019 7:21

Tgt Ion: 98 Resp: 1012886
Ion Ratio Lower Upper
98 100
100 64.0 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: 37.578 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD06348.D

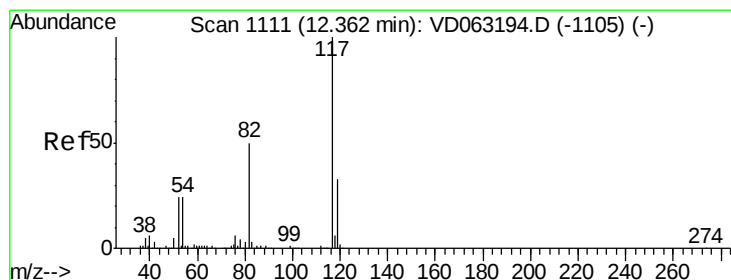
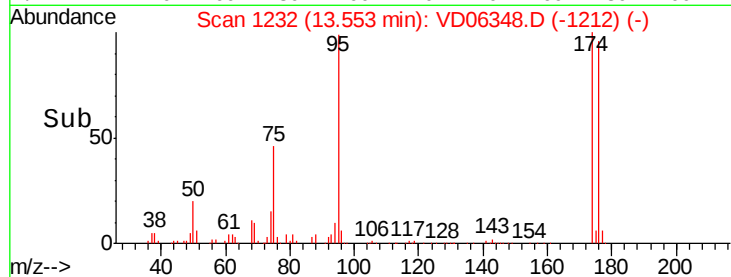
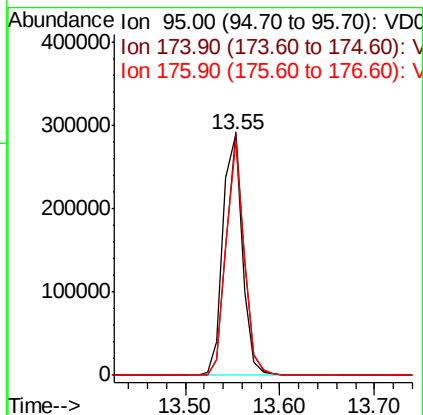
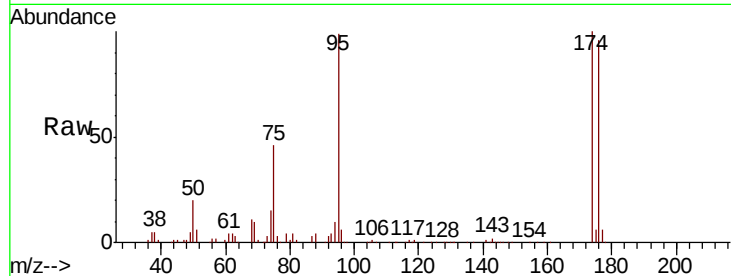
Acq: 3 Aug 2019 7:21

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	95	Resp:	408500
Ion	Ratio	Lower	Upper
95	100		
174	101.1	0.0	205.4
176	97.0	0.0	211.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

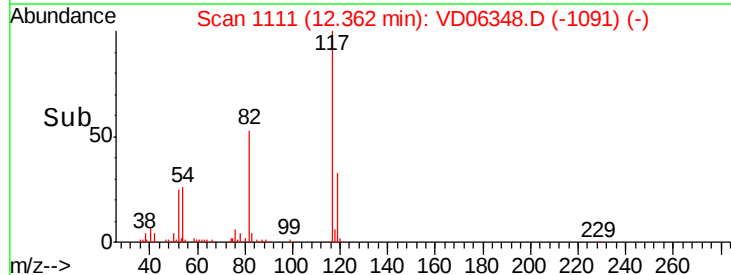
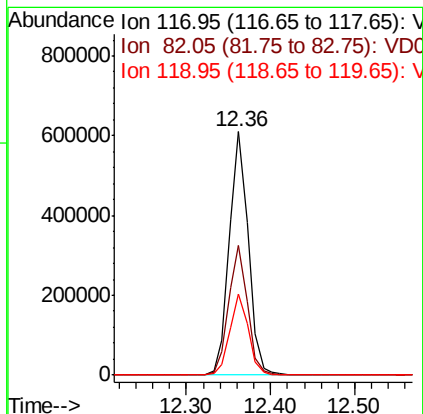
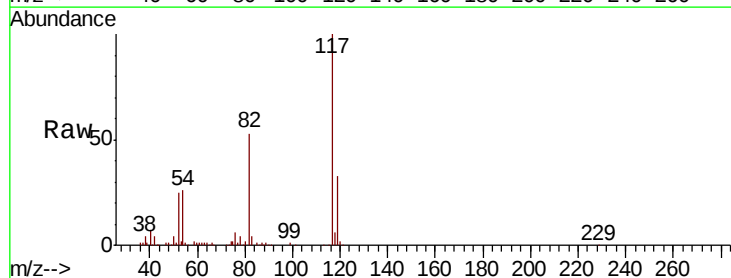
RT: 12.36 min Scan# 1111

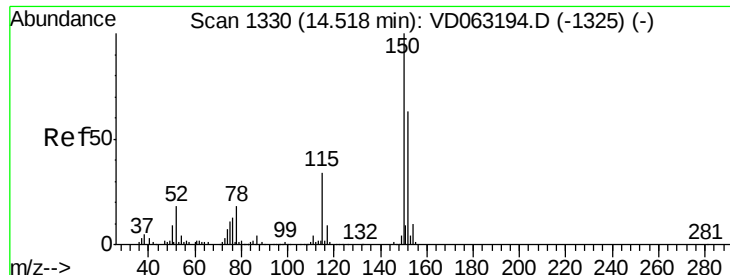
Delta R.T. -0.00 min

Lab File: VD06348.D

Acq: 3 Aug 2019 7:21

Tgt Ion:	117	Resp:	958821
Ion	Ratio	Lower	Upper
117	100		
82	53.1	40.1	60.1
119	33.3	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD06348.D

Acq: 3 Aug 2019 7:21

Instrument :

MSVOA_D

ClientSampled :

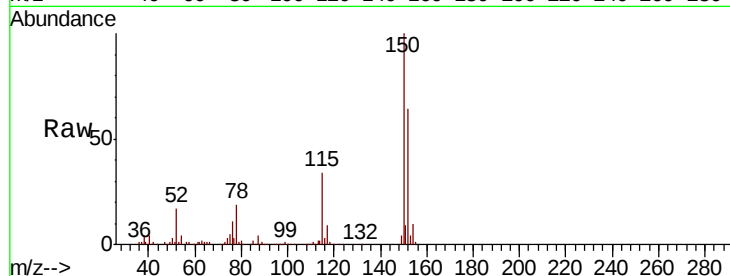
Tgt Ion:152 Resp: 401798

Ion Ratio Lower Upper

152 100

115 53.6 27.5 82.4

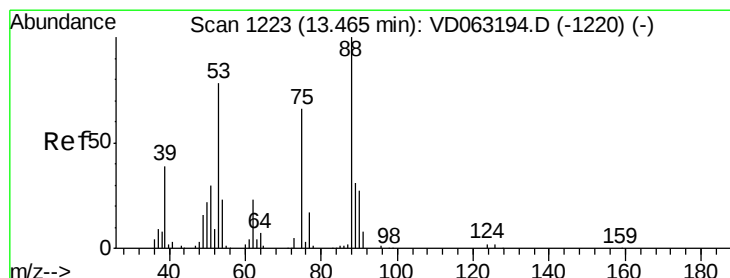
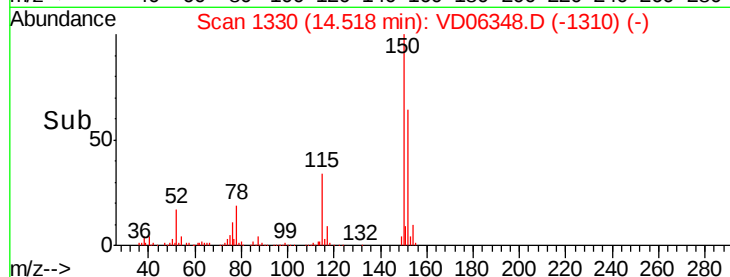
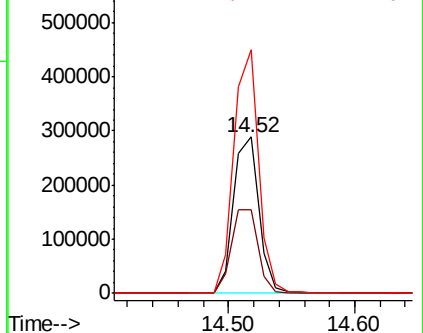
150 155.9 0.0 320.6



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: 147.094 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD06348.D

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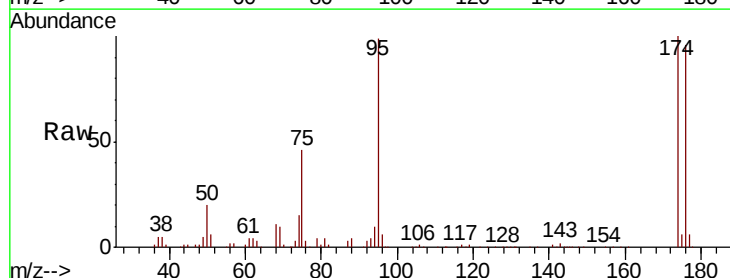
Tgt Ion: 75 Resp: 197122

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

