

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD063311.D
 Acq On : 2 Aug 2019 12:45
 Operator : VA/AP
 Sample : K4124-01
 Misc : 6.33g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-15

Quant Time: Aug 04 03:37:21 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	7.03	168	1351434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1875231	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1436548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	515805	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	626876	41.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.60%	
35) Dibromofluoromethane	6.91	113	700811	43.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.54%	
50) Toluene-d8	10.40	98	1499181	41.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.68%	
62) 4-Bromofluorobenzene	13.55	95	503894	30.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.72%	

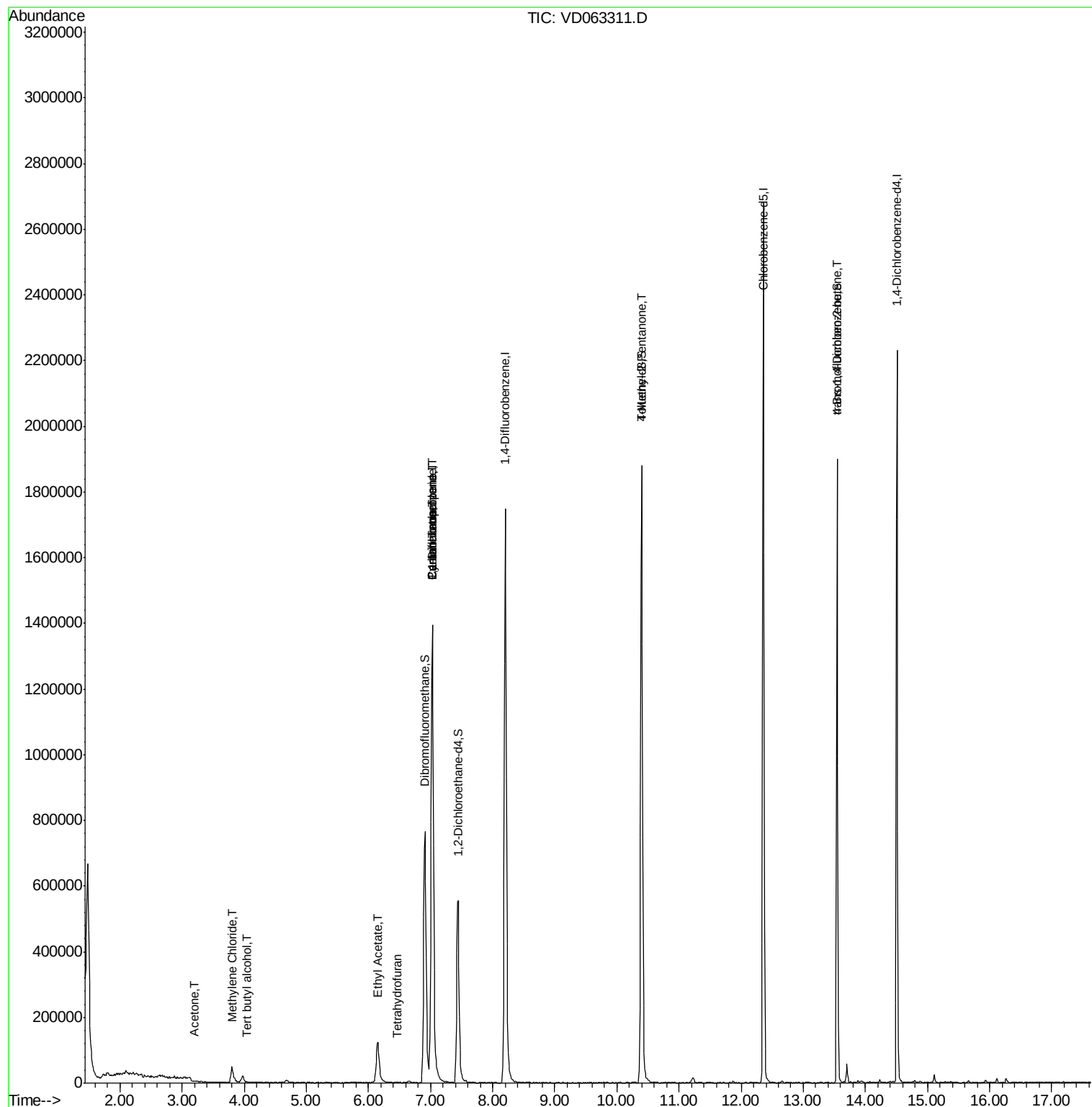
Target Compounds						Qvalue
11) Tert butyl alcohol	4.05	59	2607	3.962	ug/l #	69
16) Acetone	3.20	43	4140	1.417	ug/l #	62
20) Methylene Chloride	3.79	84	31320	2.652	ug/l #	91
29) Tetrahydrofuran	6.47	42	2043	1.472	ug/l #	50
31) Cyclohexane	7.03	56	30520	2.285	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	97475	5.696	ug/l #	50
37) Ethyl Acetate	6.14	43	9698	1.261	ug/l #	19
38) Carbon Tetrachloride	7.03	117	135458	5.258	ug/l #	15
49) 1,4-Dioxane	8.73	88	216	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.40	43	9950	1.490	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	222670	129.432	ug/l #	3

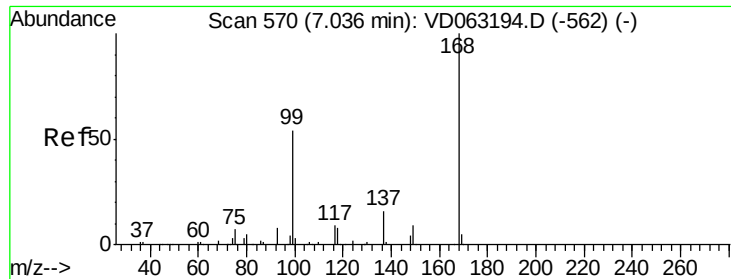
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
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Quant Time: Aug 04 03:37:21 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: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063311.D

Acq: 2 Aug 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

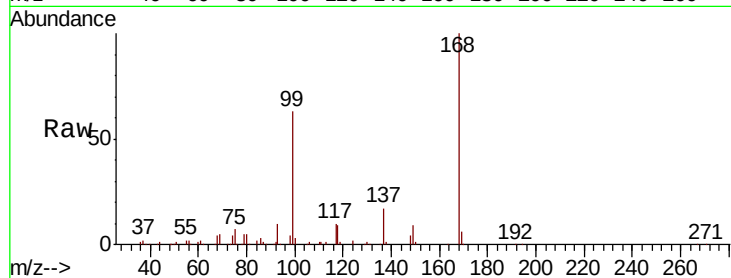
TP-15

Tgt Ion:168 Resp: 1351434

Ion Ratio Lower Upper

168 100

99 63.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

500000

400000

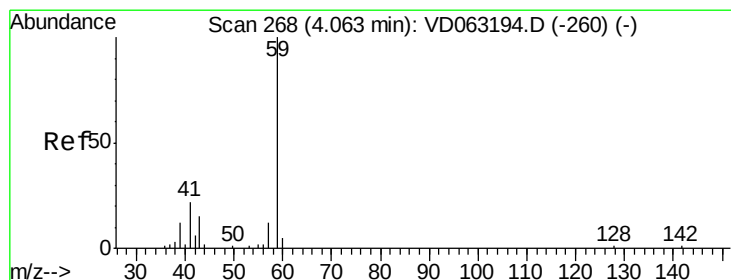
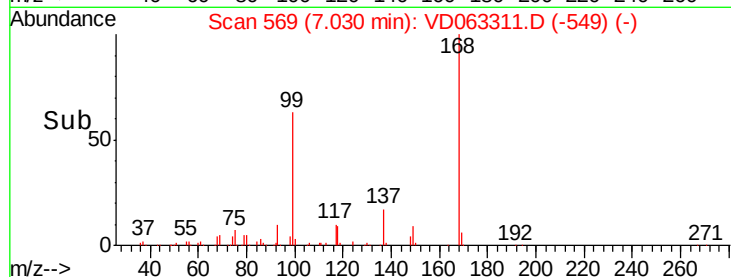
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.962 ug/l

RT: 4.05 min Scan# 266

Delta R.T. -0.02 min

Lab File: VD063311.D

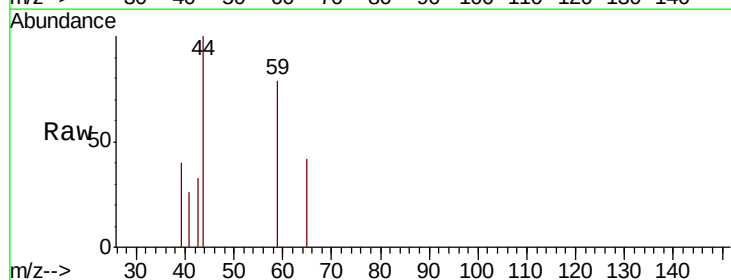
Acq: 2 Aug 2019 12:45

Tgt Ion: 59 Resp: 2607

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

4.05

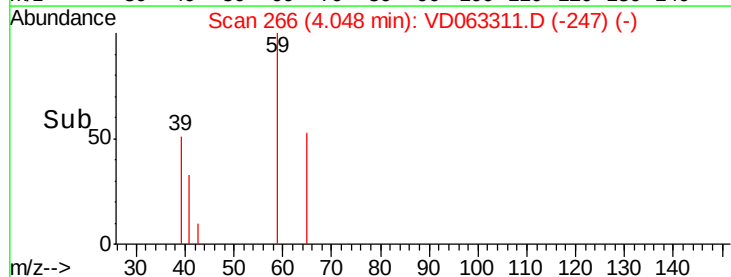
3000

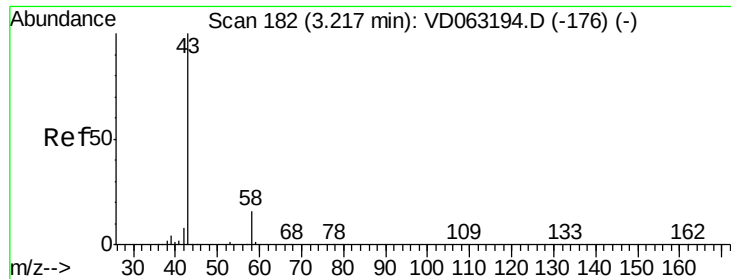
2000

1000

0

Time-->





#16

Acetone

Concen: 1.417 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.02 min

Lab File: VD063311.D

Acq: 2 Aug 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

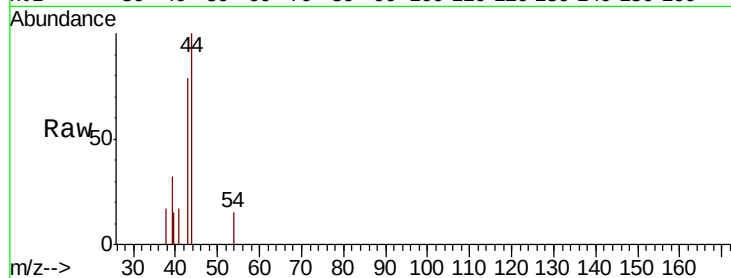
TP-15

Tgt Ion: 43 Resp: 4140

Ion Ratio Lower Upper

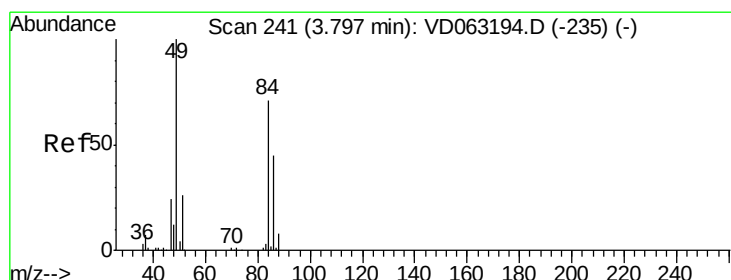
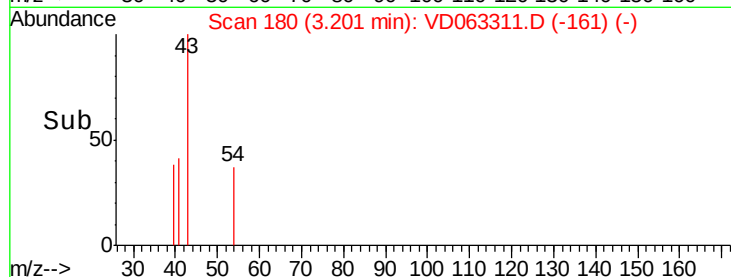
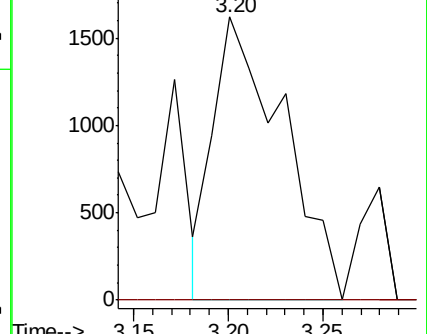
43 100

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: 2.652 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD063311.D

Acq: 2 Aug 2019 12:45

Tgt Ion: 84 Resp: 31320

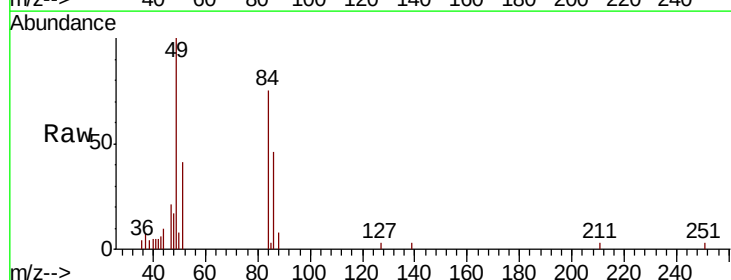
Ion Ratio Lower Upper

84 100

49 132.6 112.5 168.7

51 54.9 29.6 44.4#

86 60.8 50.4 75.6

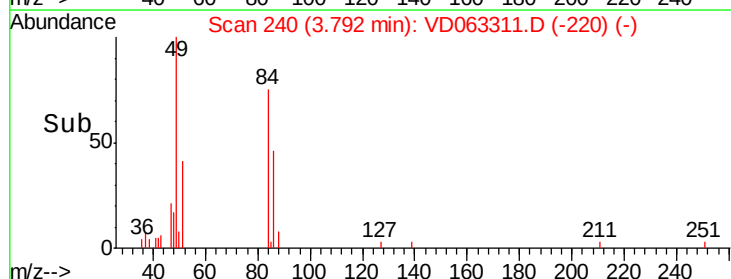
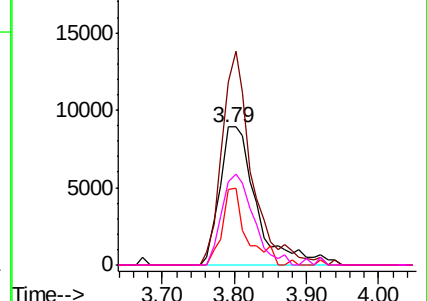


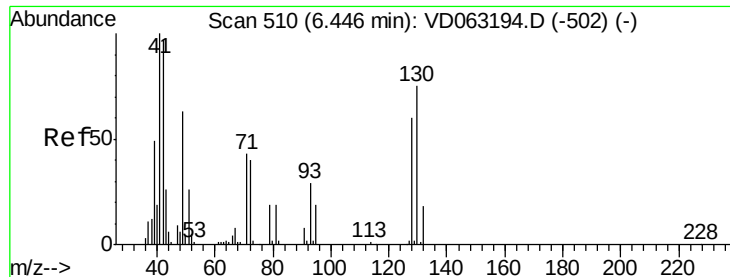
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#29

Tetrahydrofuran

Concen: 1.472 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063311.D

Acq: 2 Aug 2019 12:45

Instrument :

MSVOA_D

ClientSampled :

TP-15

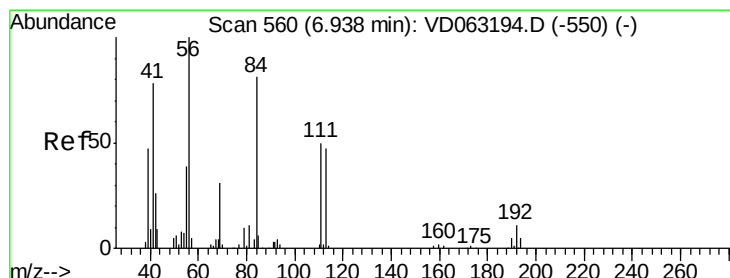
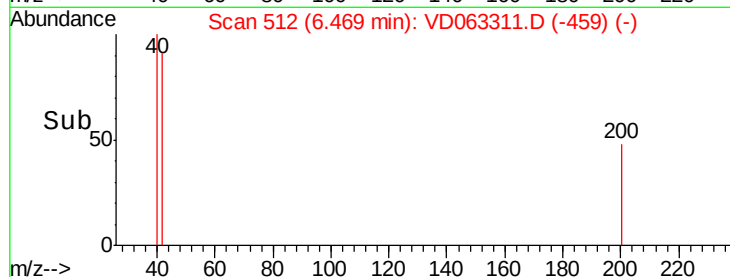
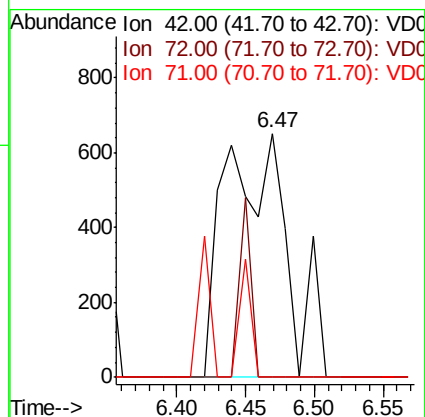
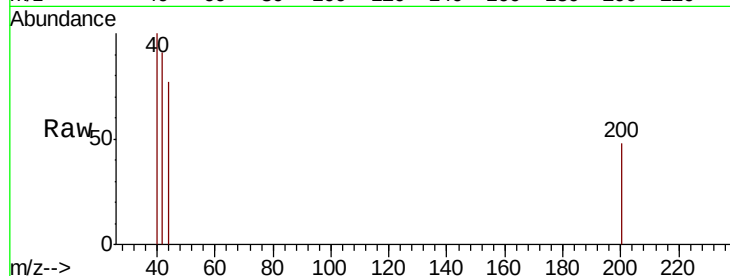
Tgt Ion: 42 Resp: 2043

Ion Ratio Lower Upper

42 100

72 13.9 33.4 50.2#

71 9.1 35.7 53.5#



#31

Cyclohexane

Concen: 2.285 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.09 min

Lab File: VD063311.D

Acq: 2 Aug 2019 12:45

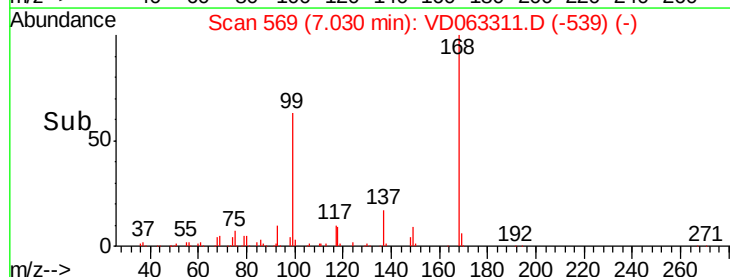
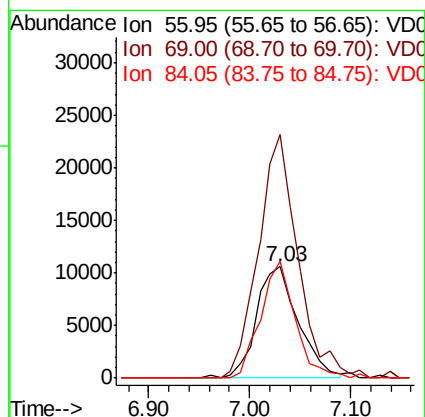
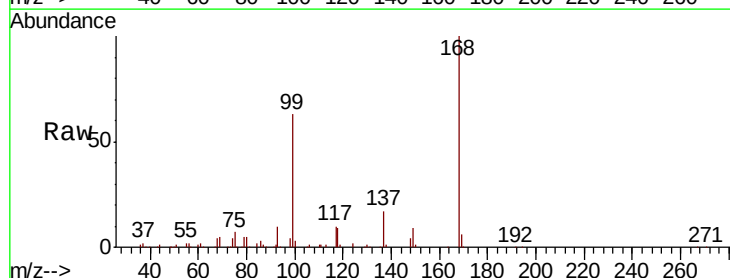
Tgt Ion: 56 Resp: 30520

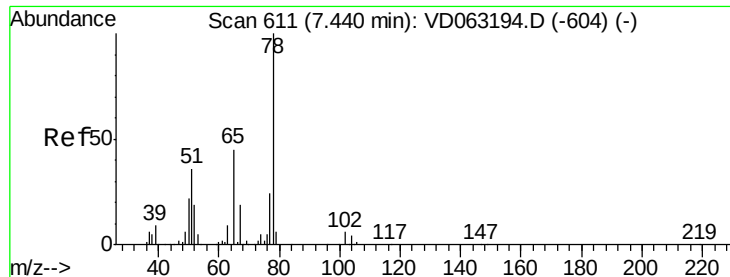
Ion Ratio Lower Upper

56 100

69 218.3 24.5 36.7#

84 104.9 64.9 97.3#

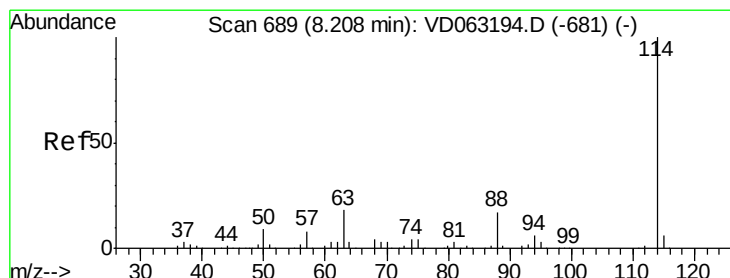
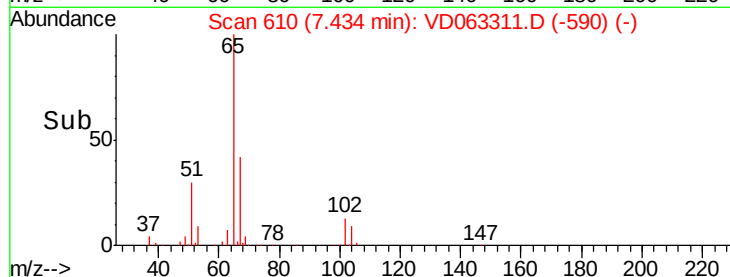
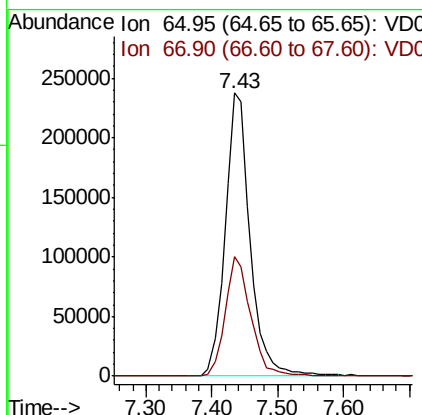
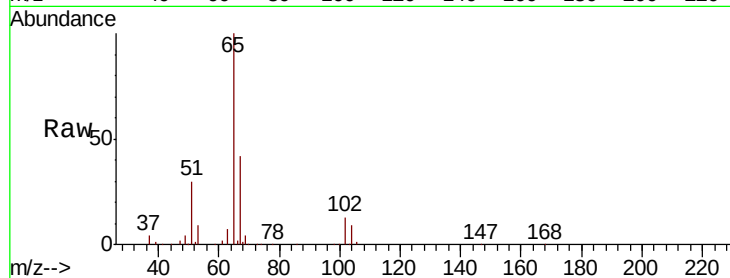




#33
 1,2-Dichloroethane-d4
 Concen: 41.804 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VD063311.D
 Acq: 2 Aug 2019 12:45

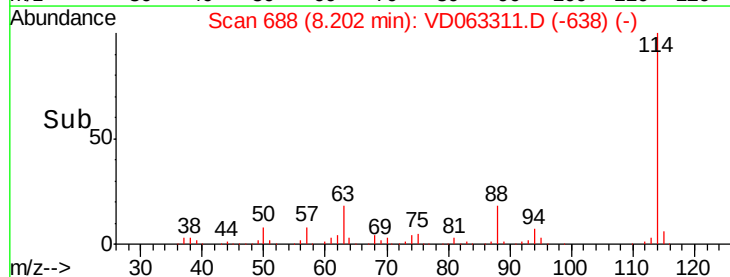
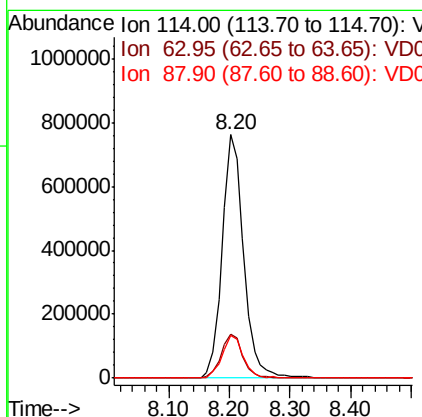
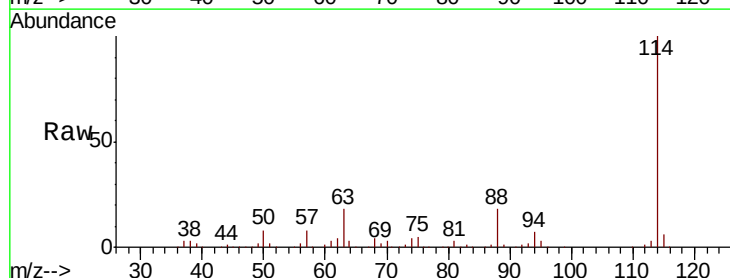
Instrument :
 MSVOA_D
 ClientSampleID :
 TP-15

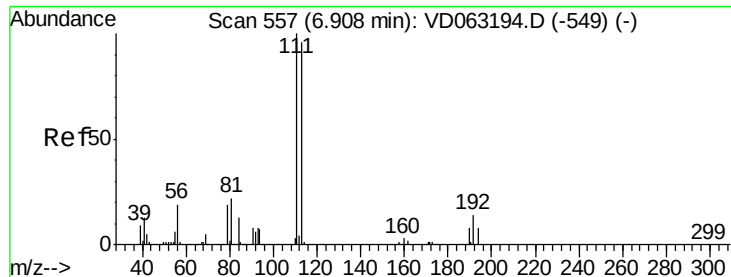
Tgt Ion: 65 Resp: 626876
 Ion Ratio Lower Upper
 65 100
 67 42.2 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VD063311.D
 Acq: 2 Aug 2019 12:45

Tgt Ion: 114 Resp: 1875231
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.2
 88 17.5 0.0 34.6





#35

Dibromofluoromethane

Concen: 43.772 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063311.D

Acq: 2 Aug 2019 12:45

Instrument :

MSVOA_D

ClientSampleId :

TP-15

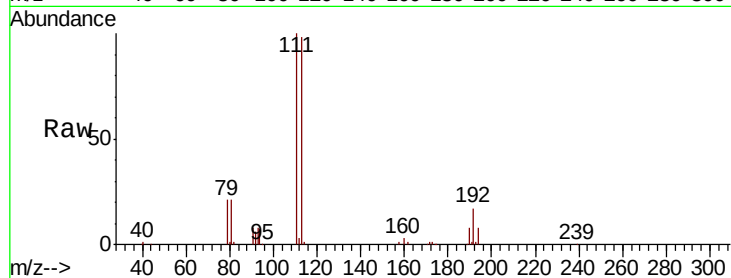
Tgt Ion:113 Resp: 700811

Ion Ratio Lower Upper

113 100

111 102.3 83.2 124.8

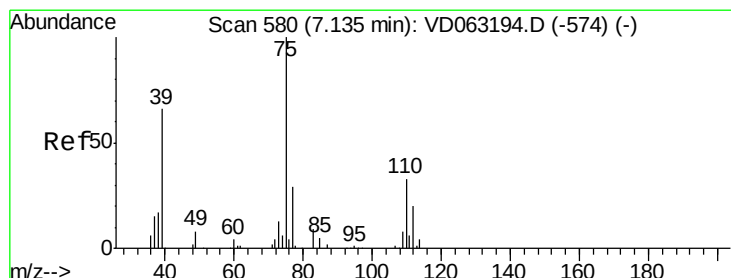
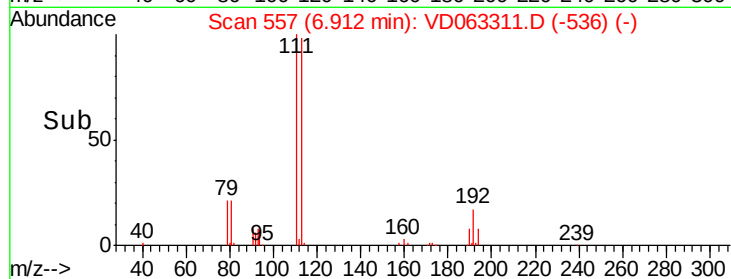
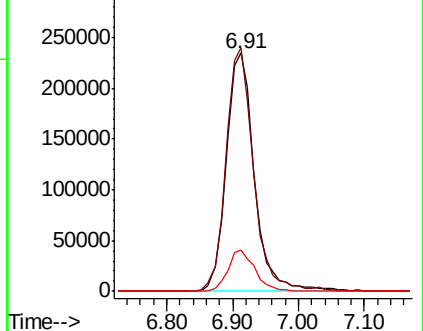
192 17.1 11.8 17.8



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: 5.696 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.11 min

Lab File: VD063311.D

Acq: 2 Aug 2019 12:45

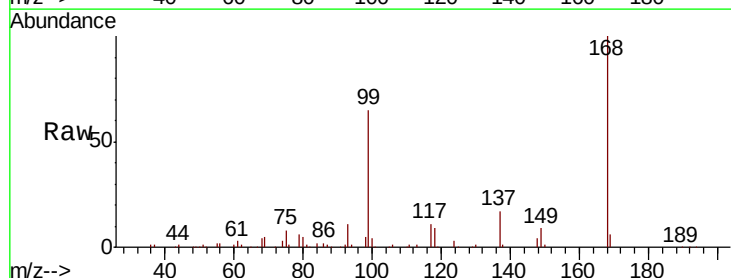
Tgt Ion: 75 Resp: 97475

Ion Ratio Lower Upper

75 100

110 6.1 16.1 48.2#

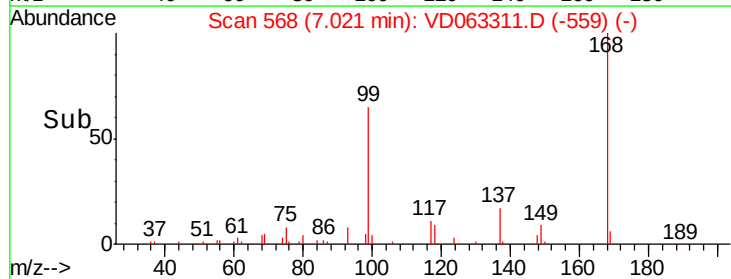
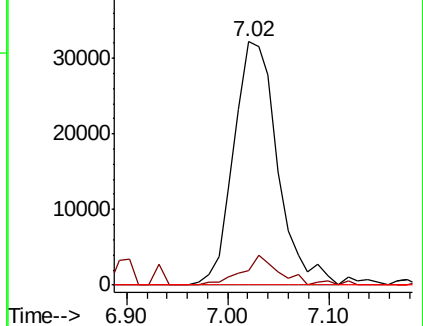
77 0.0 22.7 34.1#

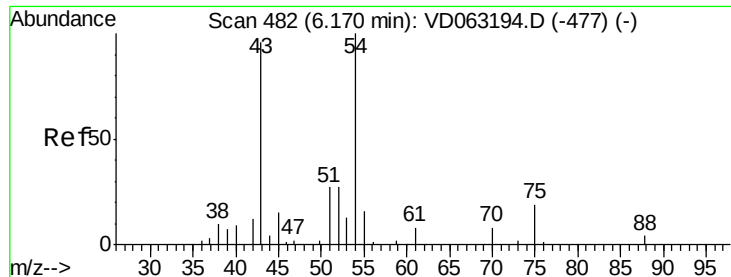


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

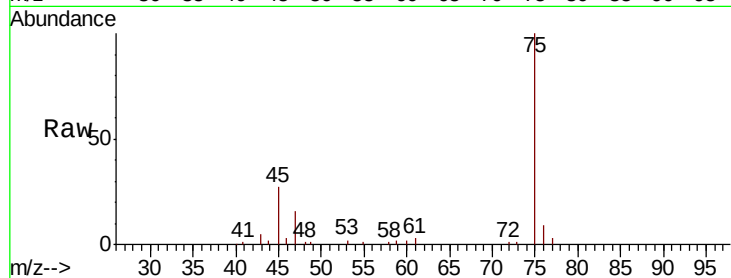




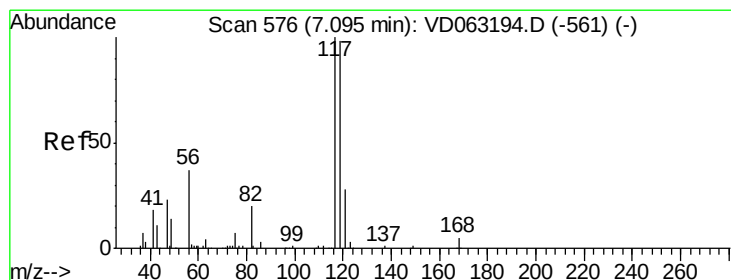
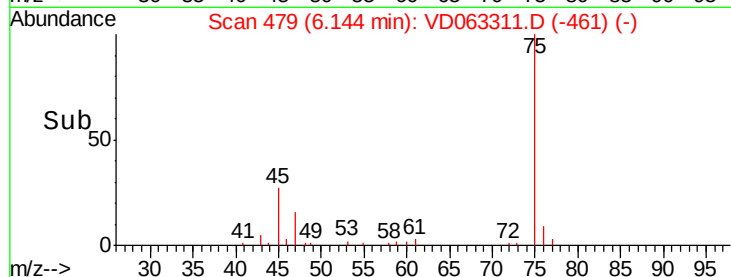
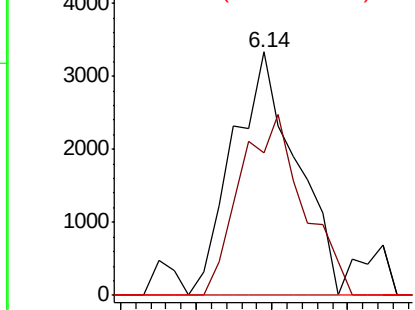
#37
Ethyl Acetate
 Concen: 1.261 ug/l
 RT: 6.14 min Scan# 479
 Delta R.T. -0.03 min
 Lab File: VD063311.D
 Acq: 2 Aug 2019 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-15

Tgt Ion: 43 Resp: 9698
 Ion Ratio Lower Upper
 43 100
 61 58.6 11.3 16.9#
 70 0.0 5.1 7.7#

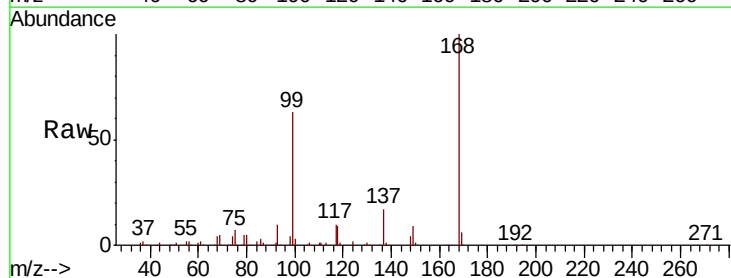


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

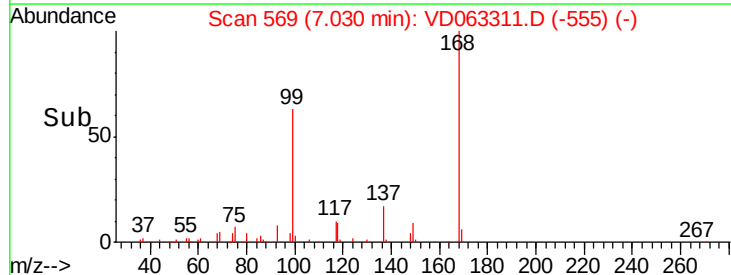
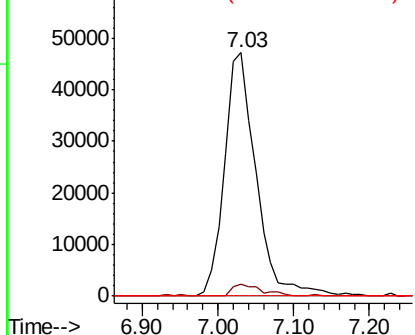


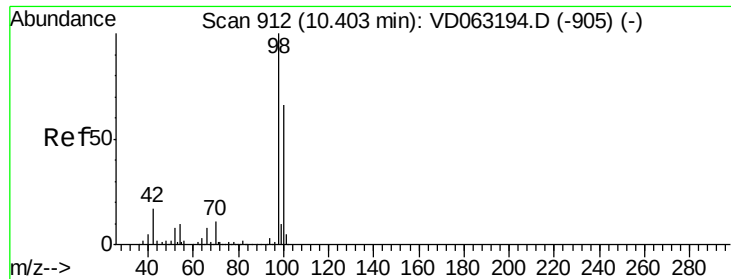
#38
Carbon Tetrachloride
 Concen: 5.258 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.06 min
 Lab File: VD063311.D
 Acq: 2 Aug 2019 12:45

Tgt Ion: 117 Resp: 135458
 Ion Ratio Lower Upper
 117 100
 119 5.1 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

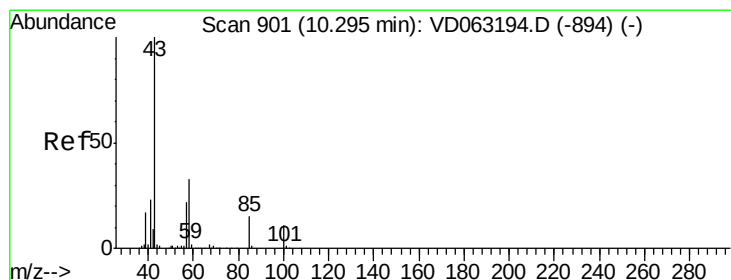
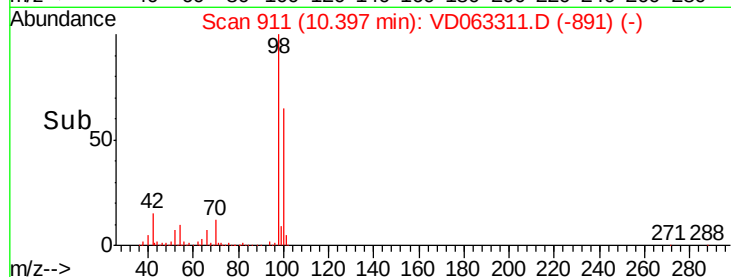
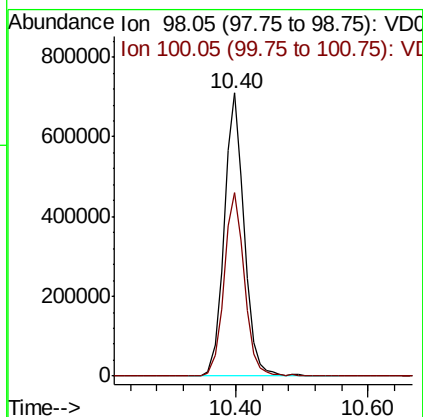
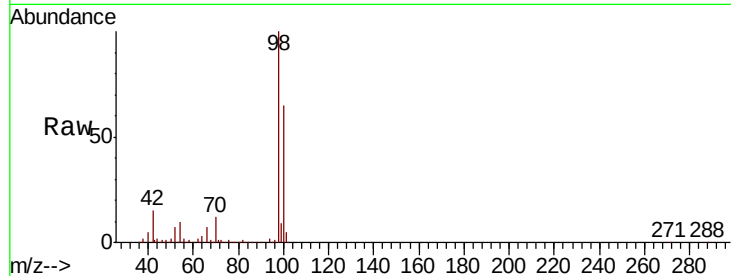




#50
Toluene-d8
Concen: 41.840 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063311.D
Acq: 2 Aug 2019 12:45

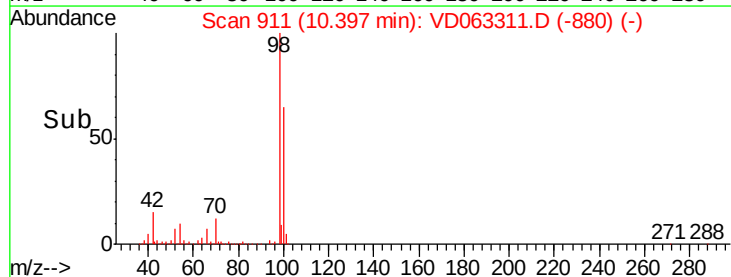
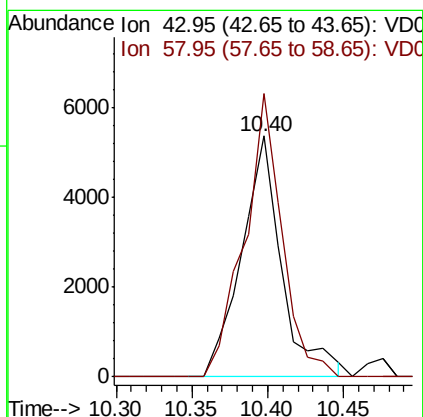
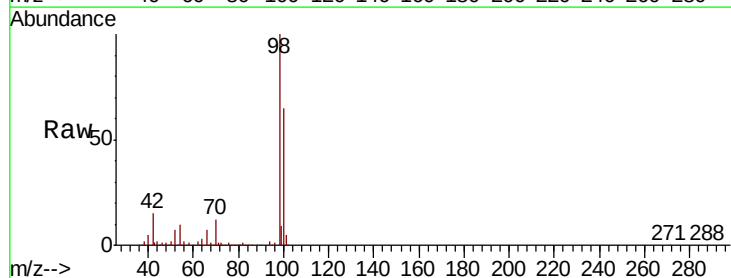
Instrument :
MSVOA_D
ClientSampled :
TP-15

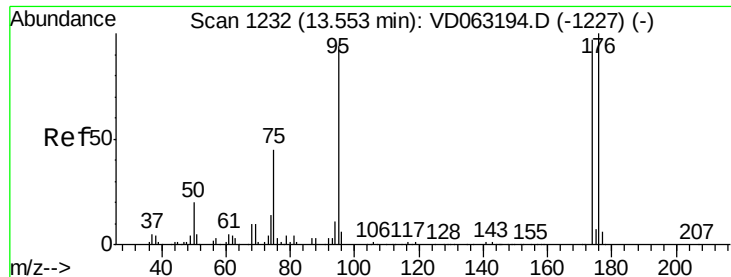
Tgt Ion: 98 Resp: 1499181
Ion Ratio Lower Upper
98 100
100 64.8 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 1.490 ug/l
RT: 10.40 min Scan# 911
Delta R.T. 0.10 min
Lab File: VD063311.D
Acq: 2 Aug 2019 12:45

Tgt Ion: 43 Resp: 9950
Ion Ratio Lower Upper
43 100
58 117.6 26.2 39.2#





#62

4-Bromofluorobenzene

Concen: 30.860 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063311.D

Acq: 2 Aug 2019 12:45

Instrument :

MSVOA_D

ClientSampled :

TP-15

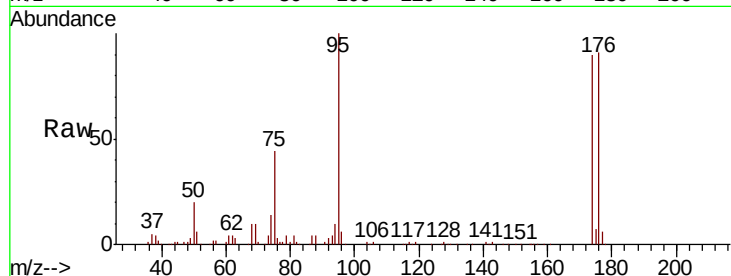
Tgt Ion: 95 Resp: 503894

Ion Ratio Lower Upper

95 100

174 90.1 0.0 205.4

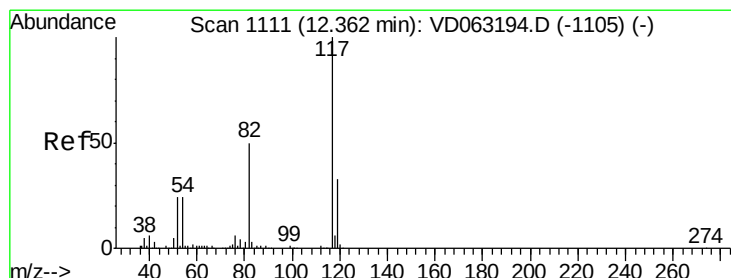
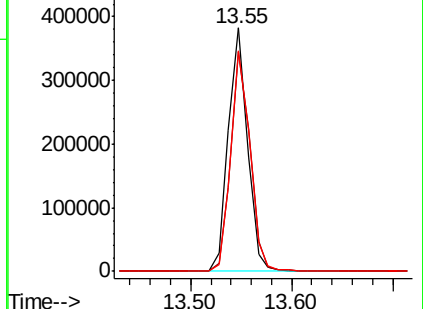
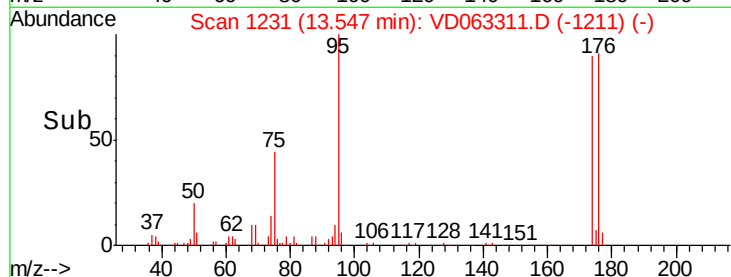
176 90.6 0.0 211.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD063311.D

Acq: 2 Aug 2019 12:45

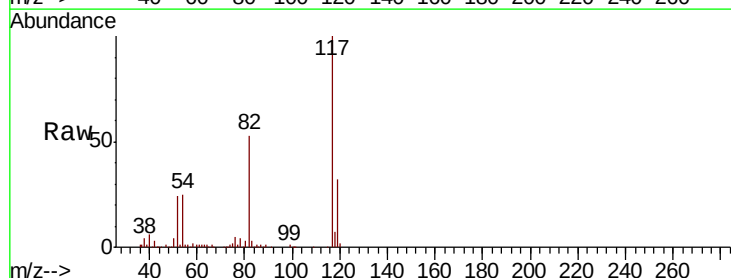
Tgt Ion: 117 Resp: 1436548

Ion Ratio Lower Upper

117 100

82 52.8 40.1 60.1

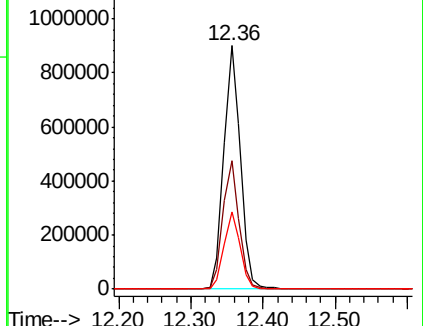
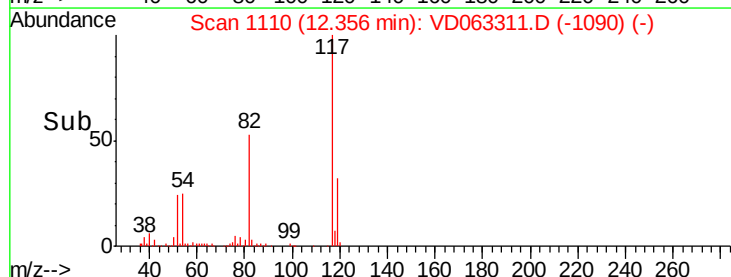
119 31.5 26.5 39.7

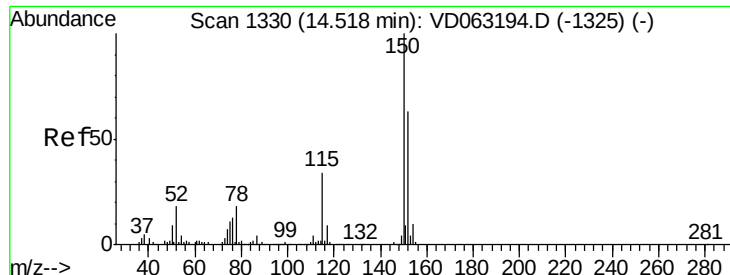


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

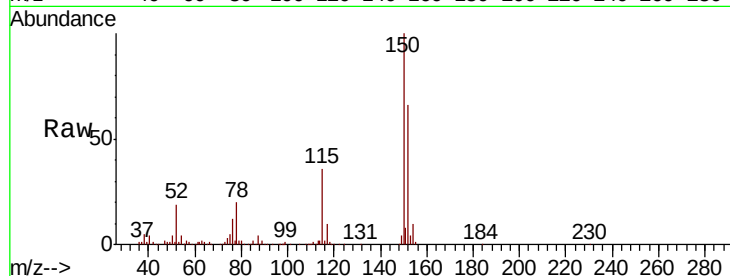




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD063311.D
 Acq: 2 Aug 2019 12:45

Instrument :
 MSVOA_D
 ClientSampleID :
 TP-15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.5	82.4
150	152.3	0.0	320.6

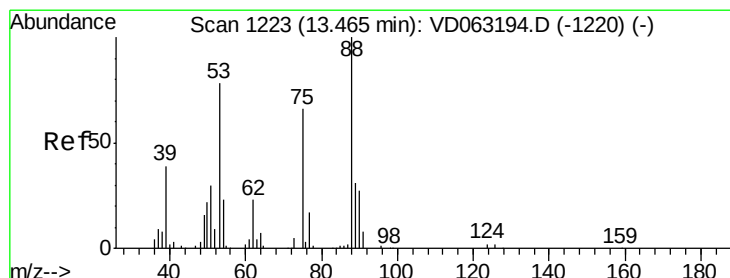
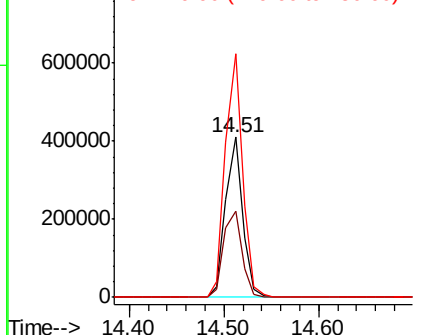
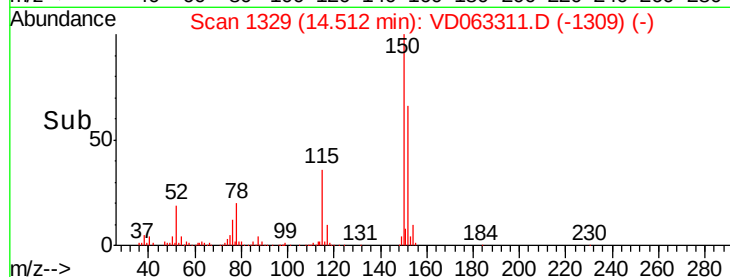


Abundance

Ion 151.90 (151.60 to 152.60): V

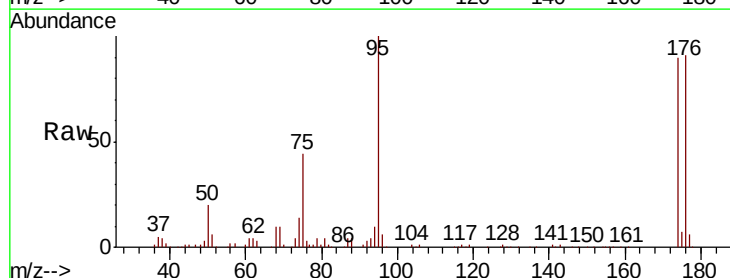
Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.432 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. 0.08 min
 Lab File: VD063311.D
 Acq: 2 Aug 2019 12:45

Tgt 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

