

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
 Data File : VD063690.D
 Acq On : 20 Aug 2019 17:45
 Operator : JC/SY
 Sample : K4388-05
 Misc : 6.02g/5ml/MSVOA_D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T4-B3-(2)

Quant Time: Aug 21 03:51:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	816023	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.21	114	1190656	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	817480	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	237622	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	507489	58.18	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	116.36%	
35) Dibromofluoromethane	6.91	113	582141	58.05	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	116.10%	
50) Toluene-d8	10.39	98	1103148	50.04	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	13.55	95	302202	30.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	60.48%	

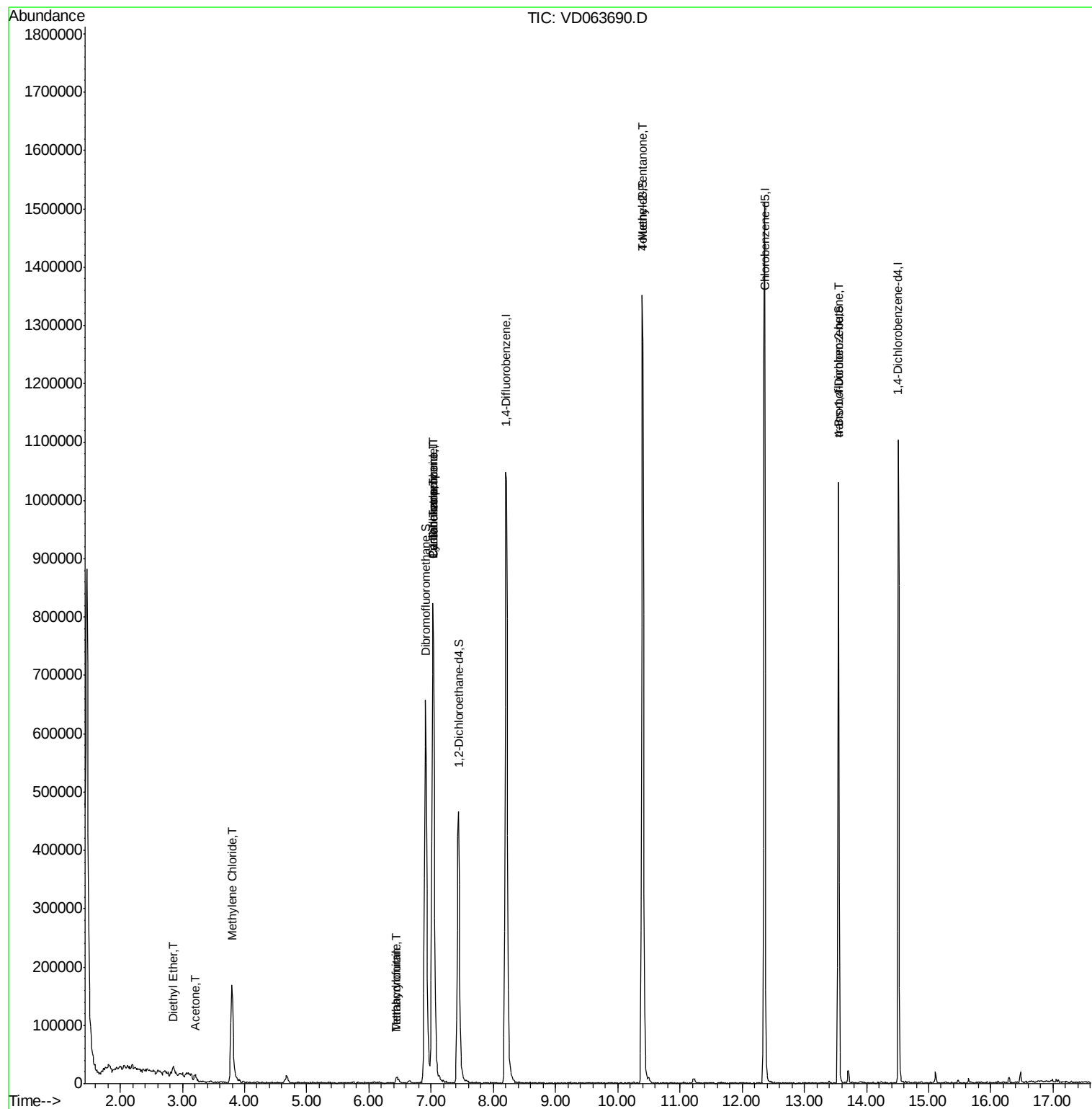
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.86	74	6699	3.159	ug/l	94
16) Acetone	3.21	43	21758	12.271	ug/l	98
20) Methylene Chloride	3.80	84	106020	13.828	ug/l	91
29) Tetrahydrofuran	6.45	42	8773	10.751	ug/l #	69
31) Cyclohexane	7.03	56	16529	2.099	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	57995	5.510	ug/l #	48
38) Carbon Tetrachloride	7.03	117	80521	5.076	ug/l #	17
41) Methacrylonitrile	6.45	41	6108	1.100	ug/l #	77
51) 4-Methyl-2-Pentanone	10.39	43	6256	1.548	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	132308	180.508	ug/l #	1

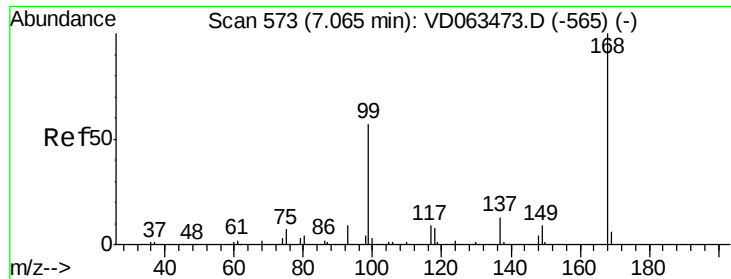
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD063690.D

Acq: 20 Aug 2019 17:45

Instrument :

MSVOA_D

ClientSampleId :

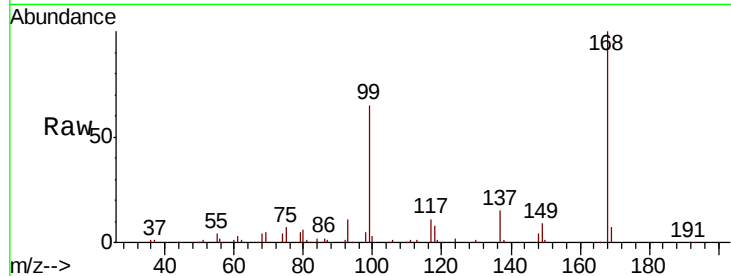
T4-B3-(2)

Tgt Ion:168 Resp: 816023

Ion Ratio Lower Upper

168 100

99 64.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

300000

250000

200000

150000

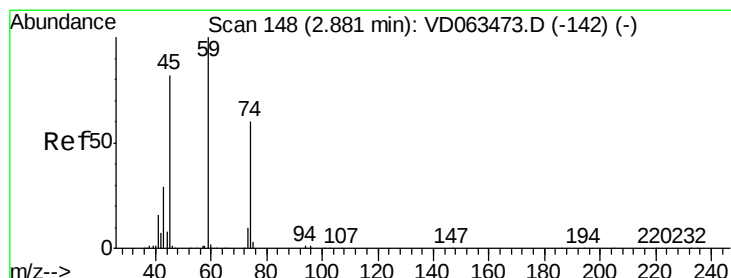
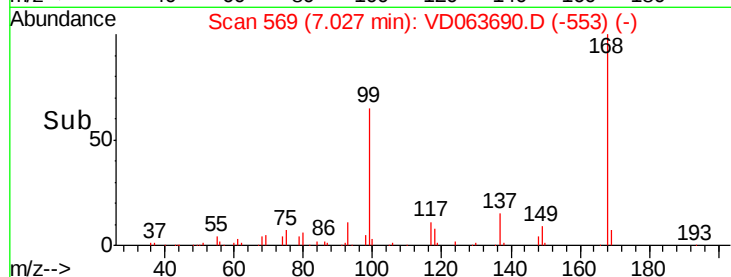
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#8

Diethyl Ether

Concen: 3.159 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD063690.D

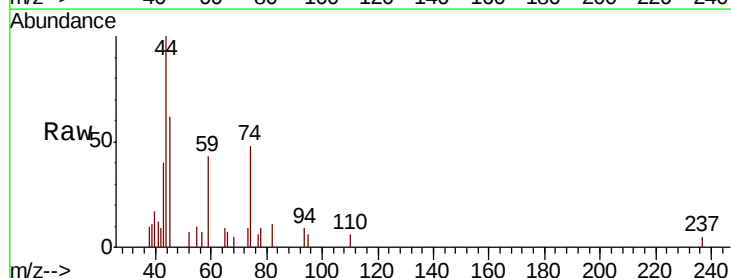
Acq: 20 Aug 2019 17:45

Tgt Ion: 74 Resp: 6699

Ion Ratio Lower Upper

74 100

45 129.8 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.86

4000

3000

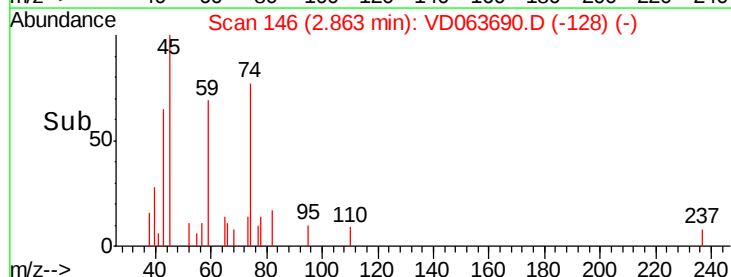
2000

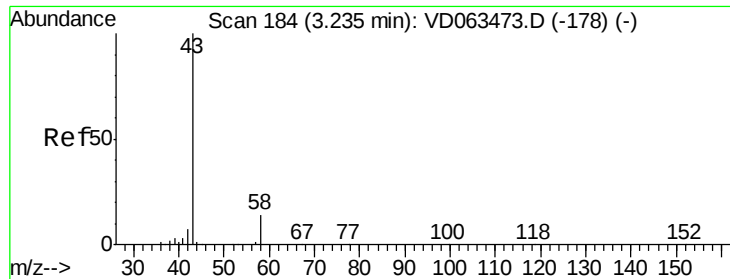
1000

0

Time-->

2.80 2.85 2.90





#16

Acetone

Concen: 12.271 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063690.D

Acq: 20 Aug 2019 17:45

Instrument :

MSVOA_D

ClientSampleId :

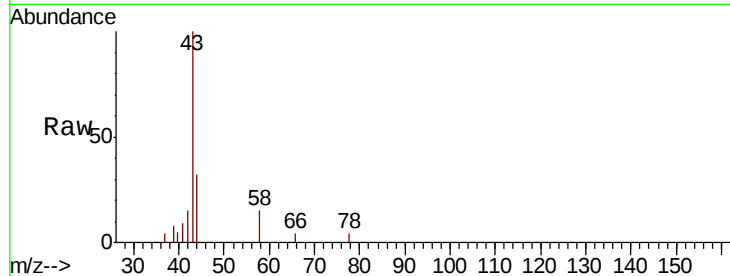
T4-B3-(2)

Tgt Ion: 43 Resp: 21758

Ion Ratio Lower Upper

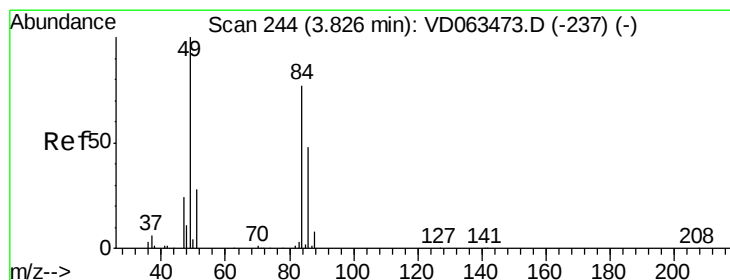
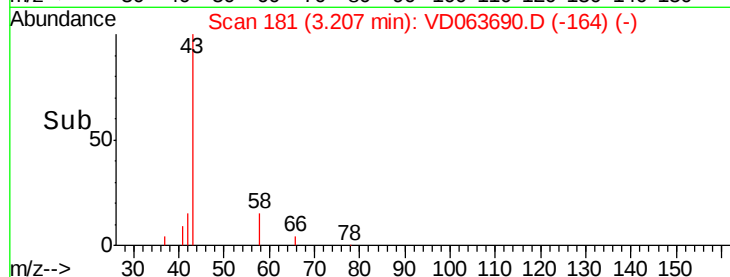
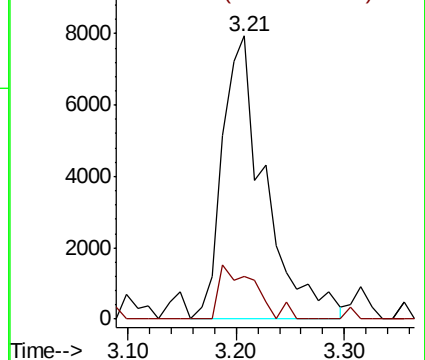
43 100

58 15.1 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 13.828 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.03 min

Lab File: VD063690.D

Acq: 20 Aug 2019 17:45

Tgt Ion: 84 Resp: 106020

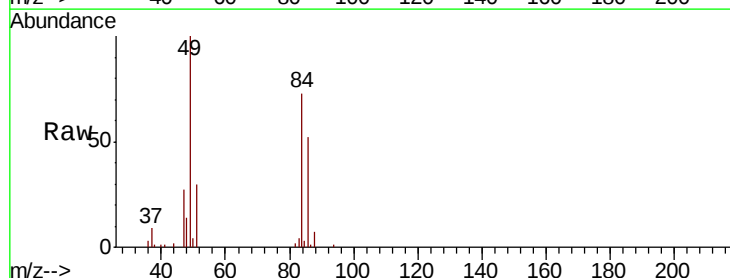
Ion Ratio Lower Upper

84 100

49 137.8 103.4 155.2

51 41.8 28.5 42.7

86 71.1 49.4 74.2

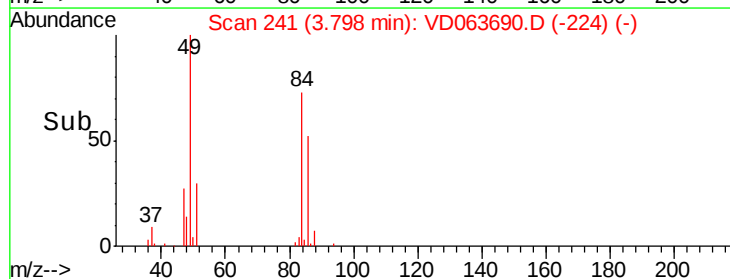
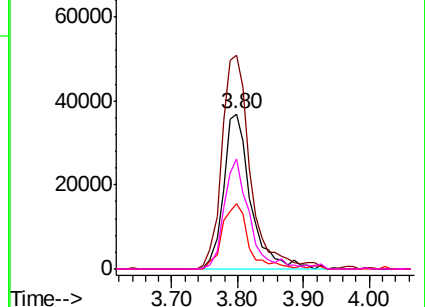


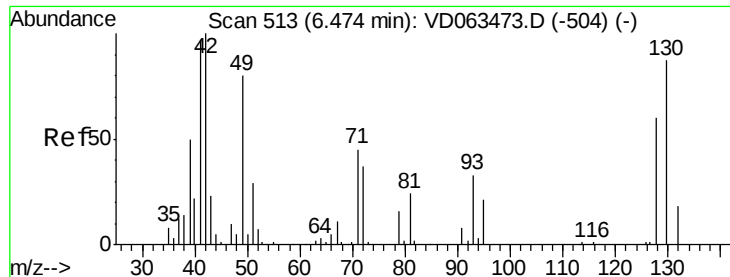
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#29

Tetrahydrofuran

Concen: 10.751 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.03 min

Lab File: VD063690.D

Acq: 20 Aug 2019 17:45

Instrument :

MSVOA_D

ClientSampleId :

T4-B3-(2)

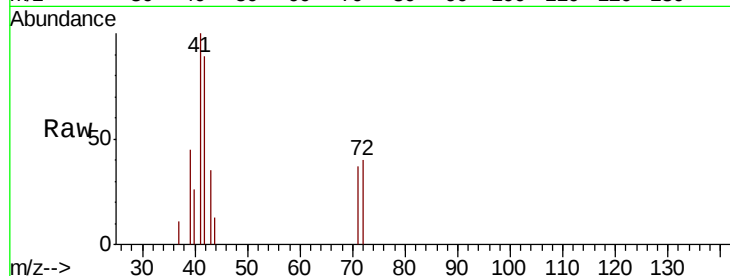
Tgt Ion: 42 Resp: 8773

Ion Ratio Lower Upper

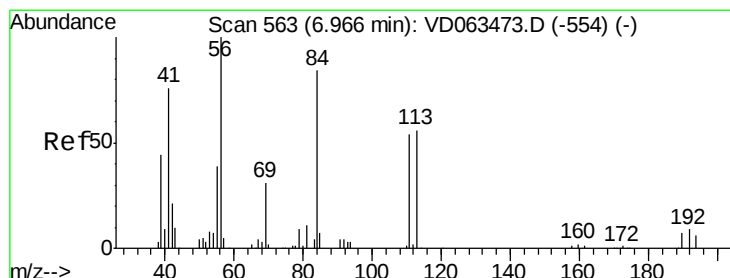
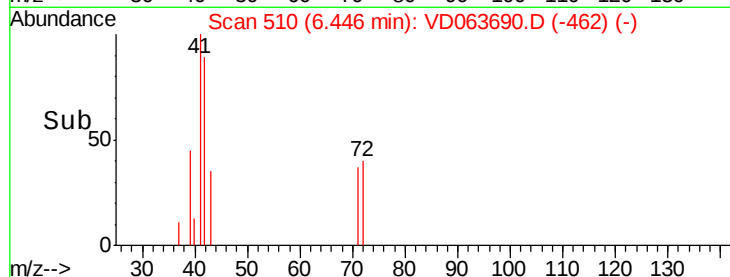
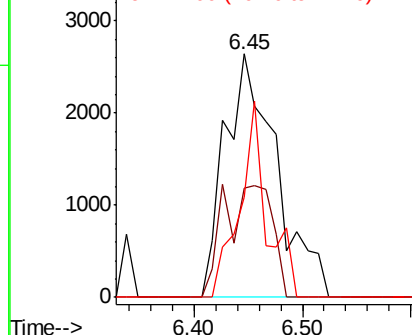
42 100

72 0.0 31.5 47.3#

71 42.6 33.8 50.8



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: 2.099 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.06 min

Lab File: VD063690.D

Acq: 20 Aug 2019 17:45

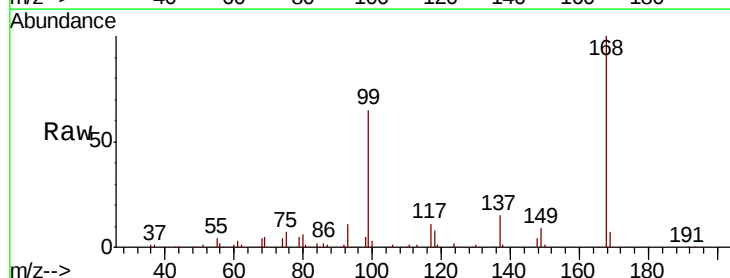
Tgt Ion: 56 Resp: 16529

Ion Ratio Lower Upper

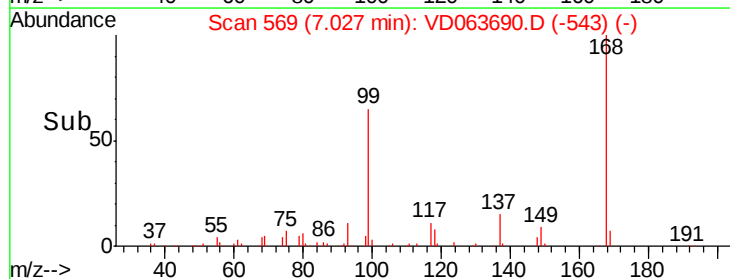
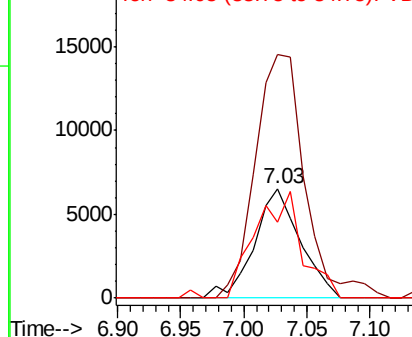
56 100

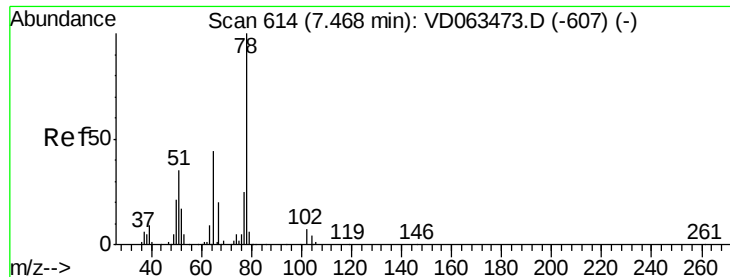
69 222.2 25.0 37.6#

84 69.2 69.7 104.5#



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

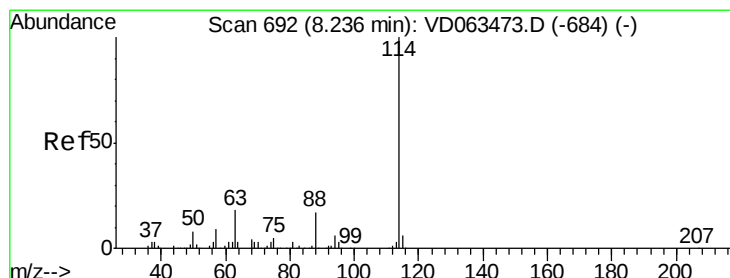
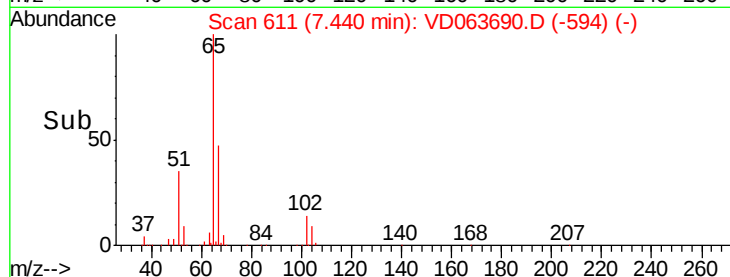
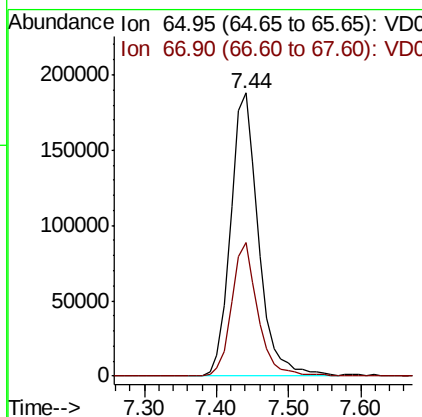
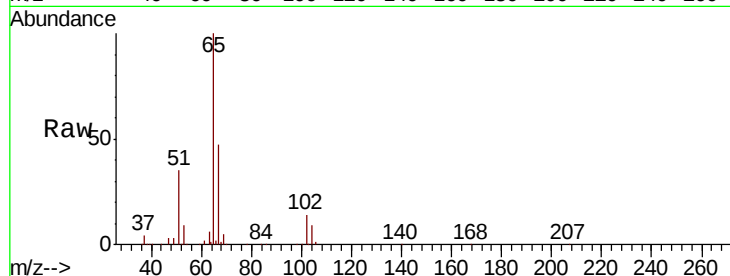




#33
 1,2-Dichloroethane-d4
 Concen: 58.181 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063690.D
 Acq: 20 Aug 2019 17:45

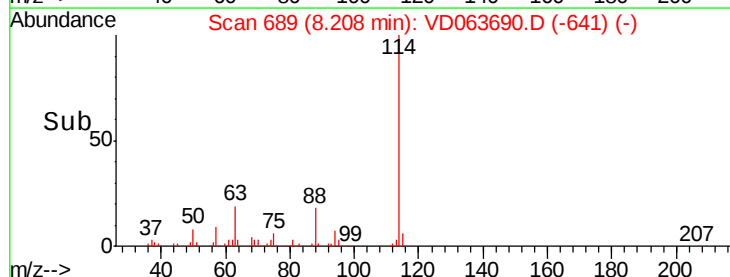
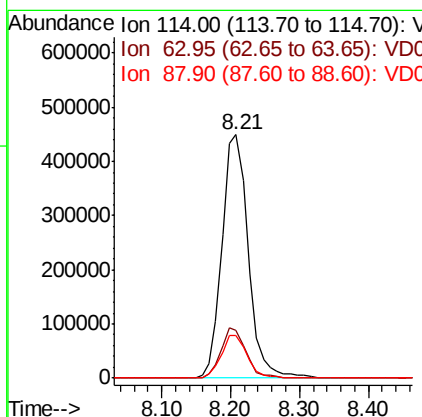
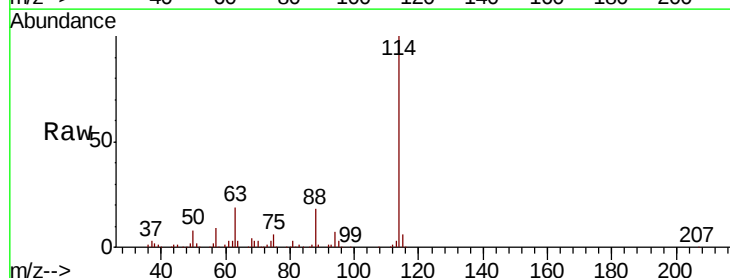
Instrument :
 MSVOA_D
 ClientSampleId :
 T4-B3-(2)

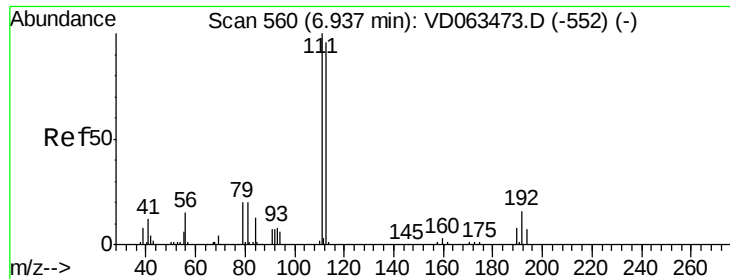
Tgt Ion: 65 Resp: 507489
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063690.D
 Acq: 20 Aug 2019 17:45

Tgt Ion: 114 Resp: 1190656
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 36.2
 88 17.6 0.0 35.0

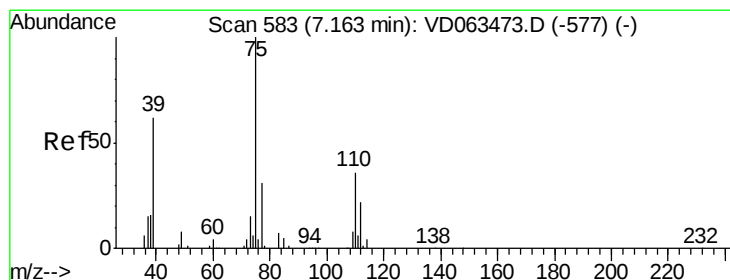
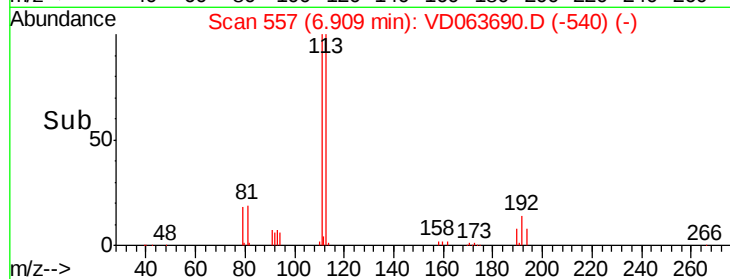
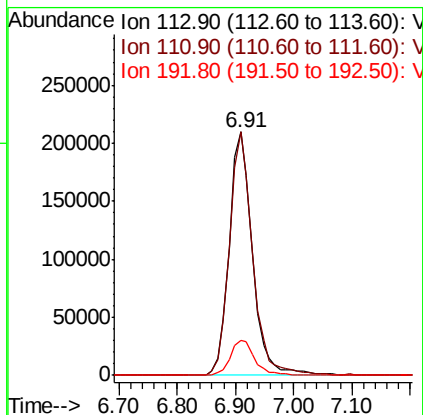
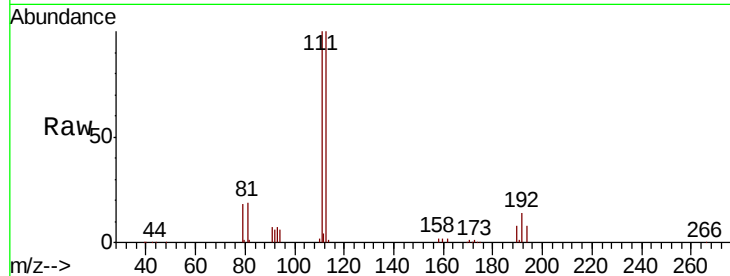




#35
 Dibromofluoromethane
 Concen: 58.053 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: VD063690.D
 Acq: 20 Aug 2019 17:45

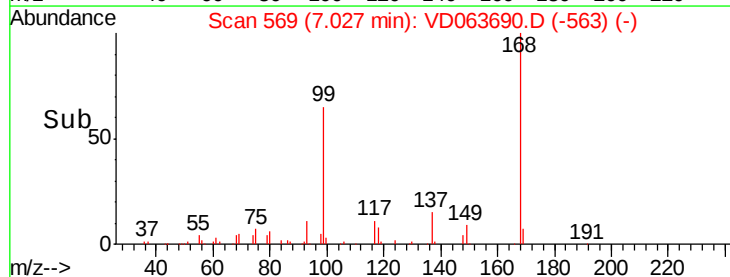
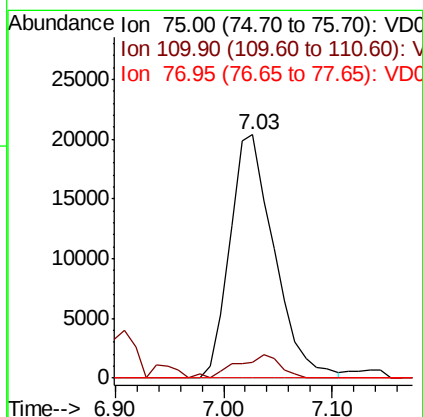
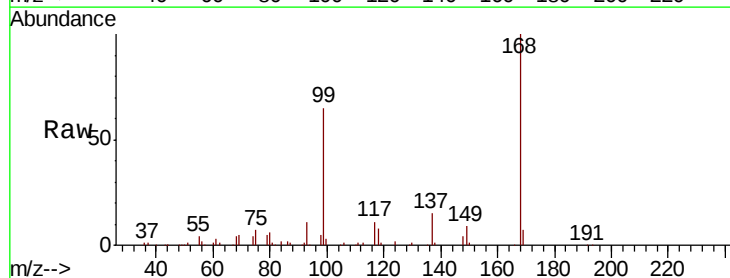
Instrument :
 MSVOA_D
 ClientSampleId :
 T4-B3-(2)

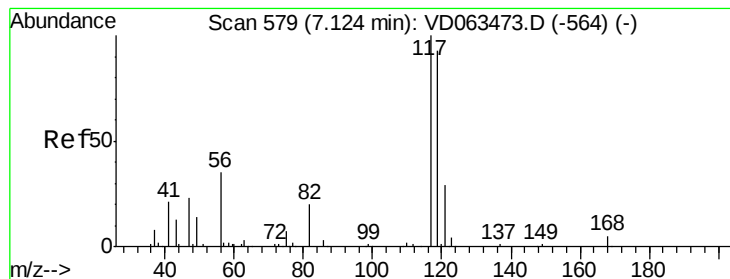
Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.9	83.1	124.7
192	14.2	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 5.510 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.14 min
 Lab File: VD063690.D
 Acq: 20 Aug 2019 17:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.4	17.6	52.8#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 5.076 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063690.D

Acq: 20 Aug 2019 17:45

Instrument :

MSVOA_D

ClientSampleId :

T4-B3-(2)

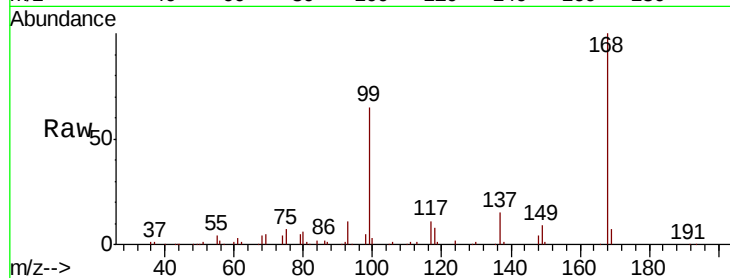
Tgt Ion:117 Resp: 80521

Ion Ratio Lower Upper

117 100

119 4.6 74.2 111.2#

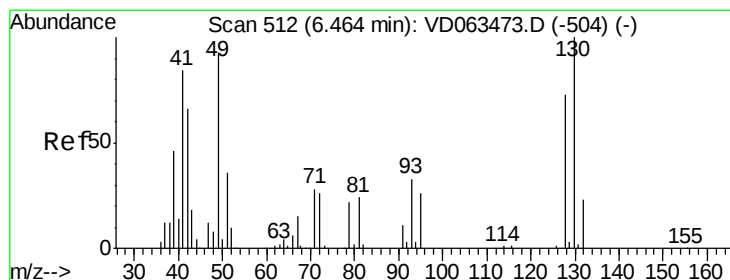
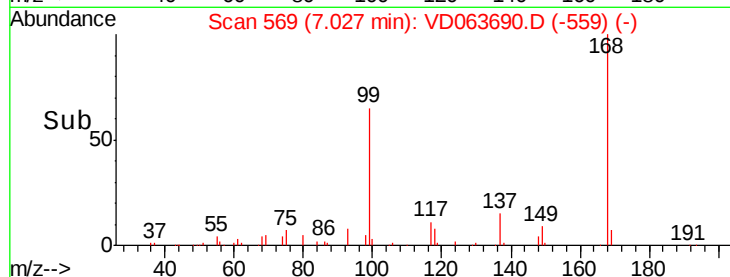
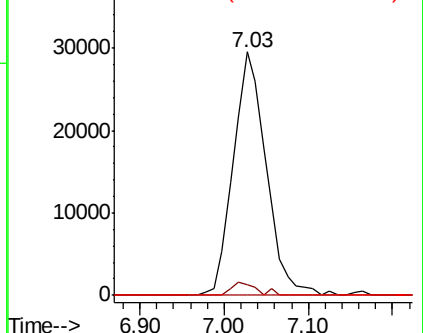
121 0.0 23.1 34.7#



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



#41

Methacrylonitrile

Concen: 1.100 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD063690.D

Acq: 20 Aug 2019 17:45

Tgt Ion: 41 Resp: 6108

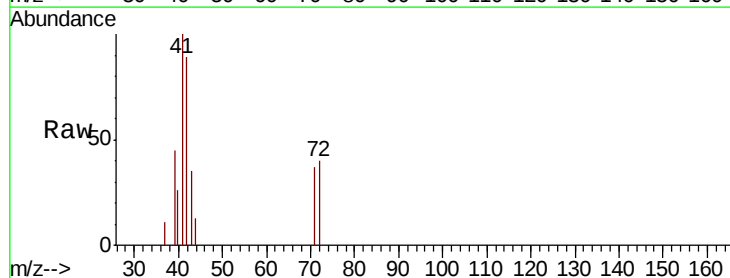
Ion Ratio Lower Upper

41 100

39 44.7 44.6 66.8

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

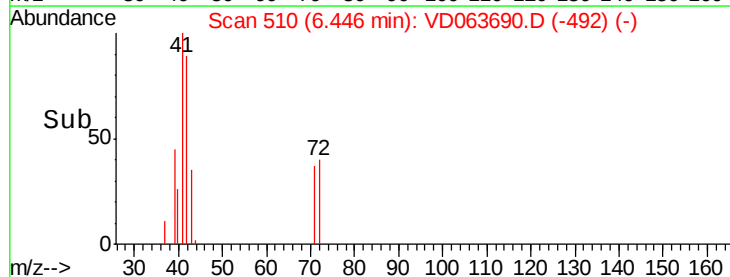
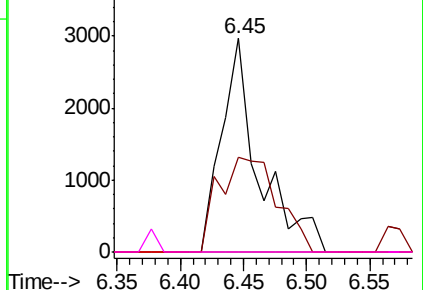


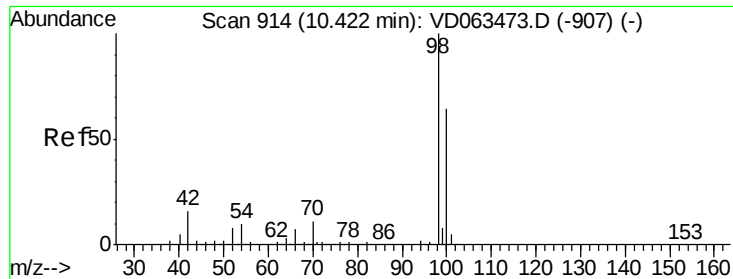
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

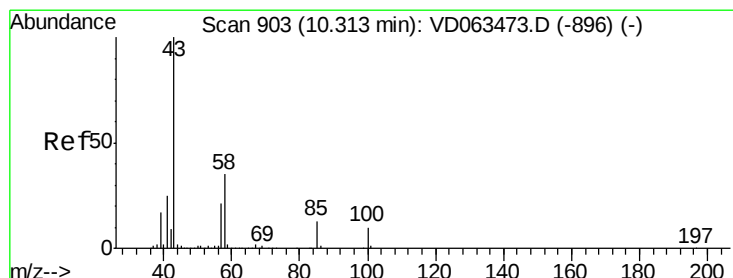
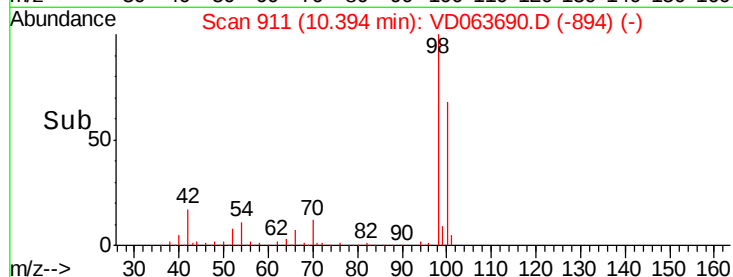
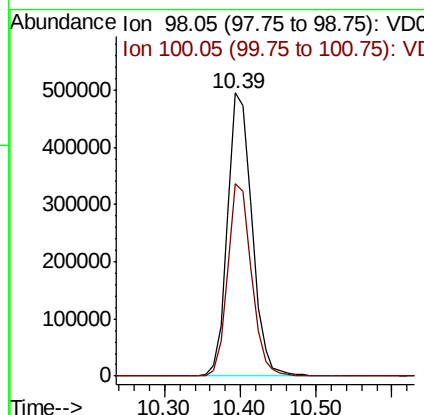
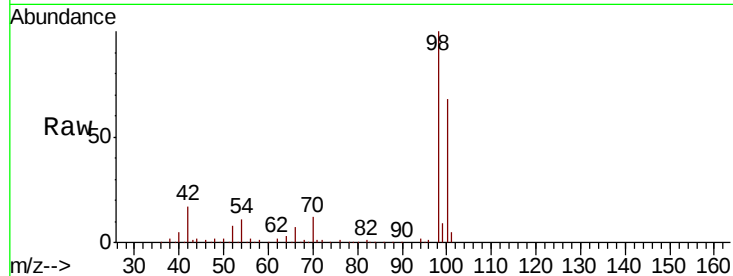




#50
Toluene-d8
Concen: 50.037 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.03 min
Lab File: VD063690.D
Acq: 20 Aug 2019 17:45

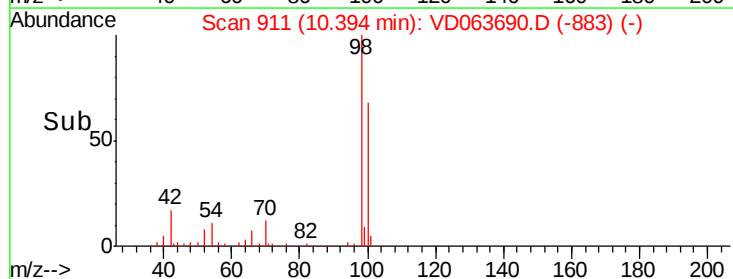
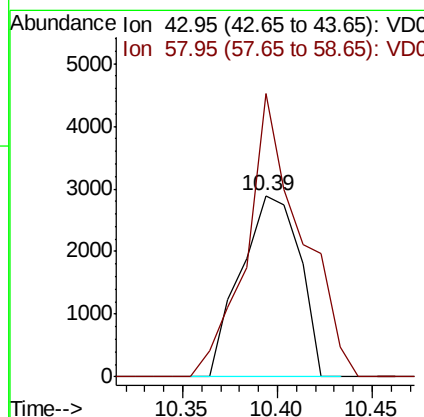
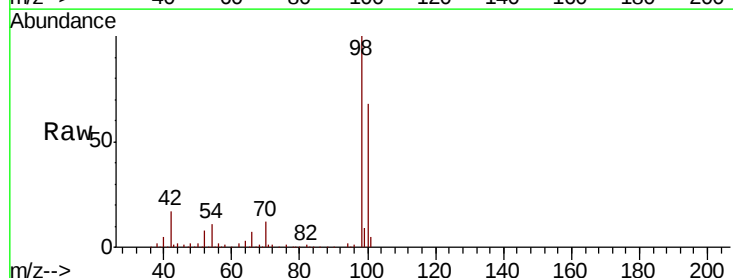
Instrument :
MSVOA_D
ClientSampled :
T4-B3-(2)

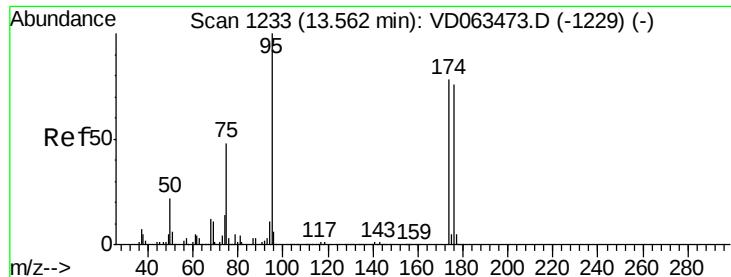
Tgt Ion: 98 Resp: 1103148
Ion Ratio Lower Upper
98 100
100 68.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.548 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.08 min
Lab File: VD063690.D
Acq: 20 Aug 2019 17:45

Tgt Ion: 43 Resp: 6256
Ion Ratio Lower Upper
43 100
58 156.0 28.0 42.0#





#62

4-Bromofluorobenzene

Concen: 30.243 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063690.D

Acq: 20 Aug 2019 17:45

Instrument :

MSVOA_D

ClientSampleId :

T4-B3-(2)

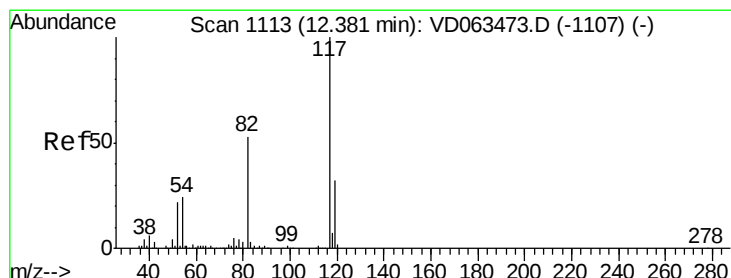
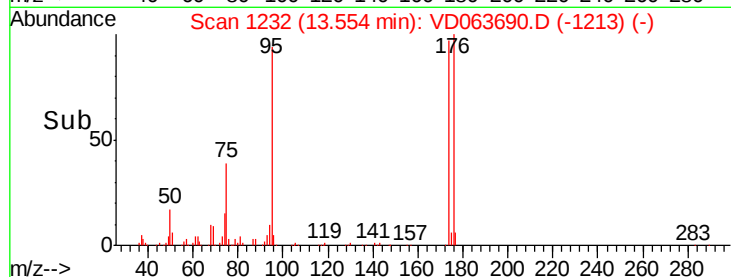
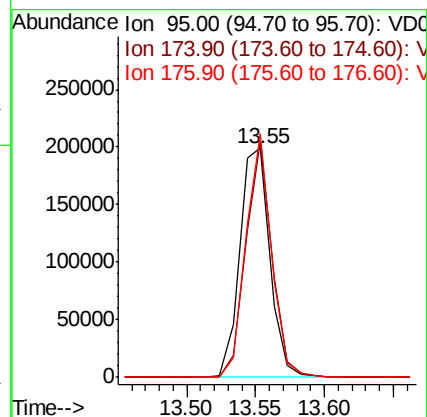
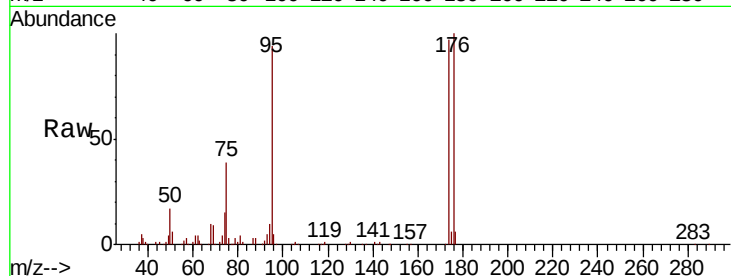
Tgt Ion: 95 Resp: 302202

Ion Ratio Lower Upper

95 100

174 103.0 0.0 155.4

176 106.3 0.0 152.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VD063690.D

Acq: 20 Aug 2019 17:45

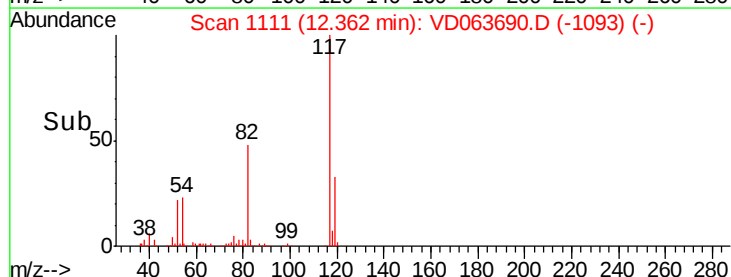
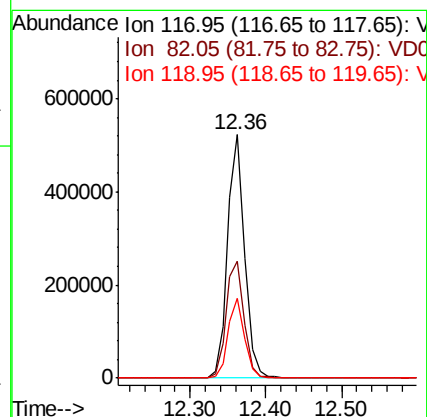
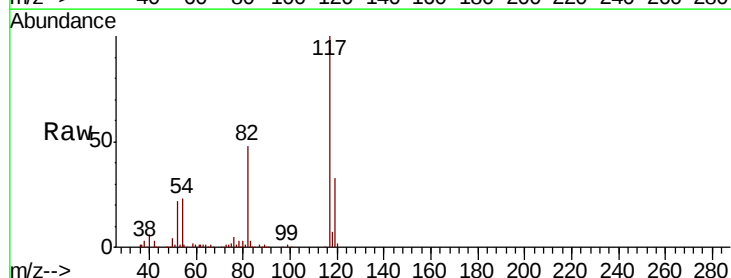
Tgt Ion: 117 Resp: 817480

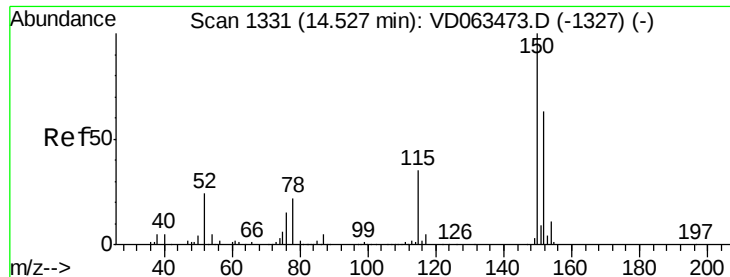
Ion Ratio Lower Upper

117 100

82 47.8 42.0 63.0

119 32.6 25.4 38.0



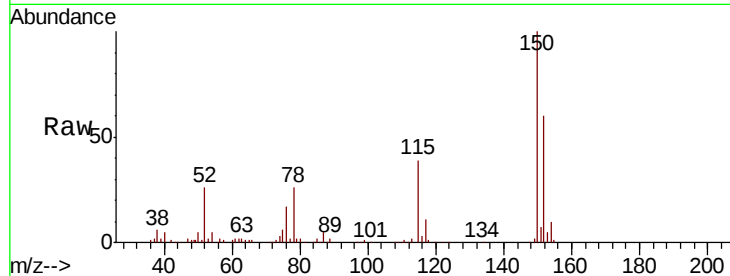


#72

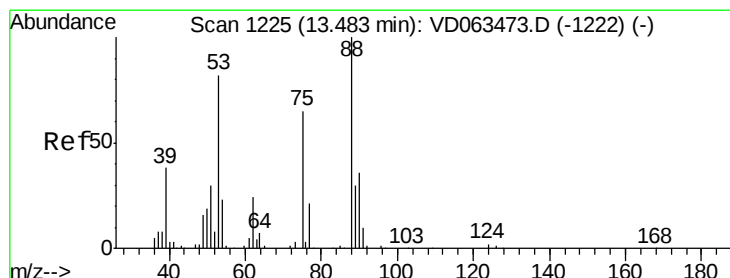
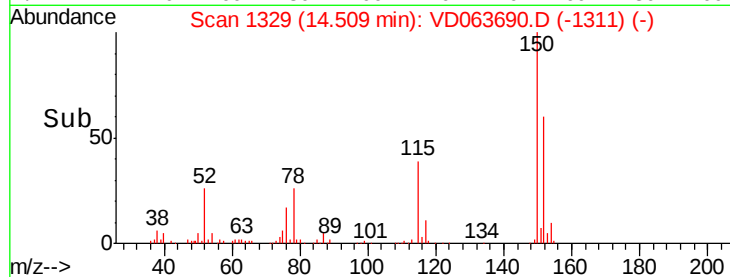
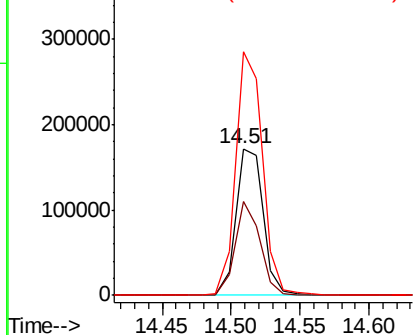
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD063690.D
Acq: 20 Aug 2019 17:45

Instrument :
MSVOA_D
ClientSampleId :
T4-B3-(2)

Tgt Ion: 152 Resp: 237622
Ion Ratio Lower Upper
152 100
115 64.4 30.9 92.7
150 166.2 0.0 318.6



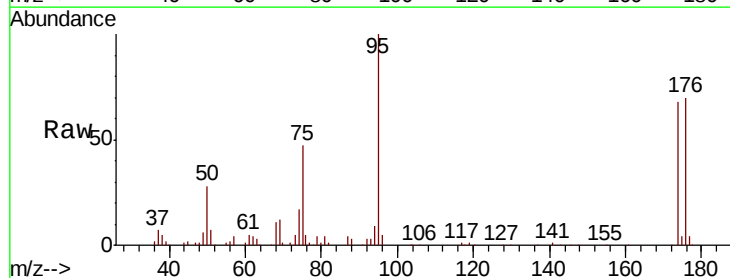
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 180.508 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD063690.D
Acq: 20 Aug 2019 17:45

Tgt Ion: 75 Resp: 132308
Ion Ratio Lower Upper
75 100
53 0.0 101.0 151.4#
89 0.0 37.0 55.6#



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

