

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
 Data File : VD063695.D
 Acq On : 20 Aug 2019 20:01
 Operator : JC/SY
 Sample : K4388-12
 Misc : 6.60g/5ml/MSVOA_D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

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

Quant Time: Aug 21 03:52:49 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	7.04	168	835777	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1139943	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	802921	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	231052	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	458918	51.37	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	102.74%	
35) Dibromofluoromethane	6.91	113	569537	59.32	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	118.64%	
50) Toluene-d8	10.40	98	984070	46.62	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	93.24%	
62) 4-Bromofluorobenzene	13.55	95	311647	32.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	65.16%	

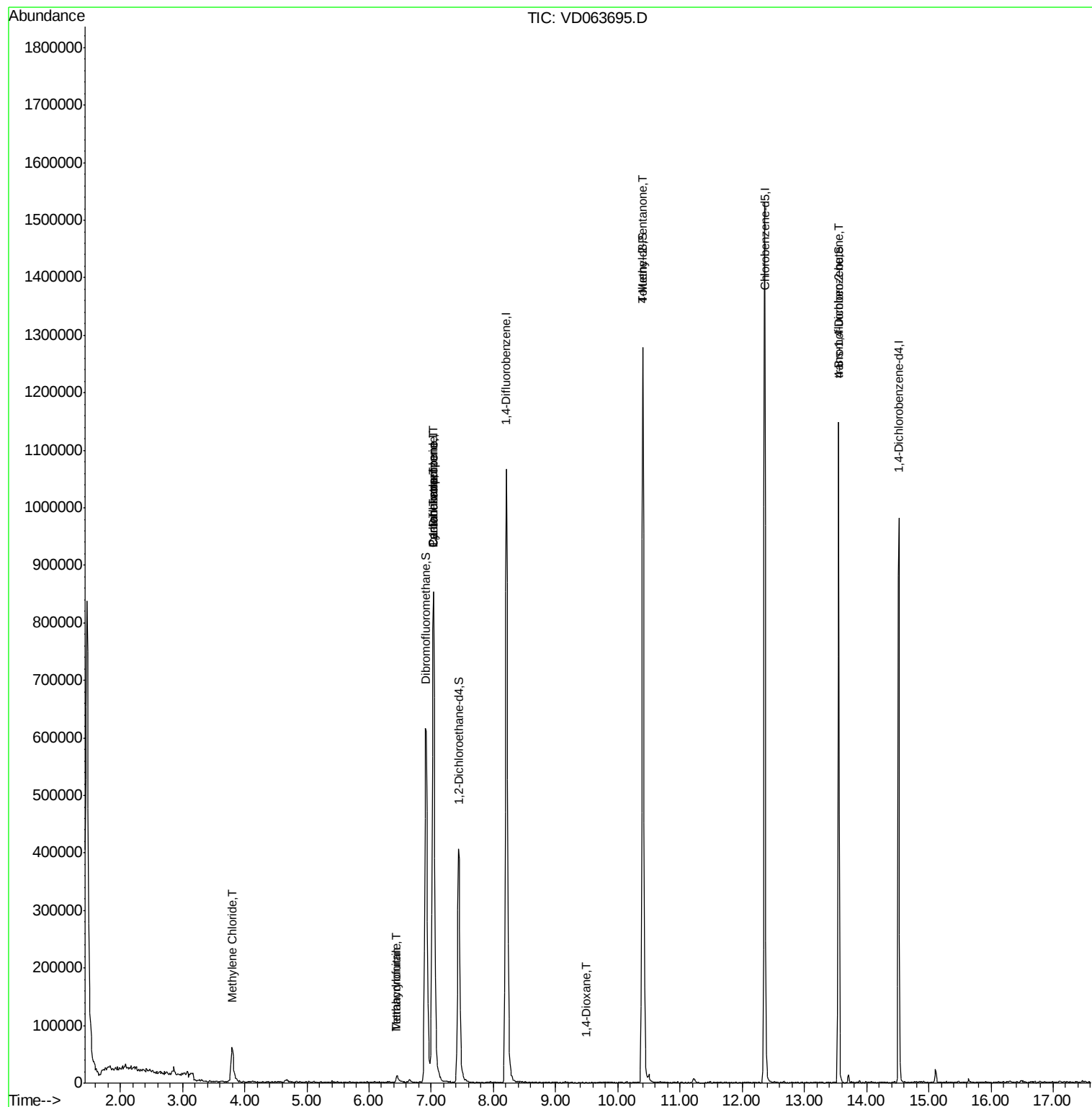
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.80	84	42623	5.428	ug/l #	93
29) Tetrahydrofuran	6.45	42	7194	8.608	ug/l #	89
31) Cyclohexane	7.03	56	18437	2.286	ug/l #	27
36) 1,1-Dichloropropene	7.04	75	61008	6.054	ug/l #	49
38) Carbon Tetrachloride	7.04	117	82511	5.433	ug/l #	18
41) Methacrylonitrile	6.45	41	7072	1.330	ug/l #	54
49) 1,4-Dioxane	9.50	88	194	30.264	ug/l #	34
51) 4-Methyl-2-Pentanone	10.40	43	5948	1.537	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	134665	188.948	ug/l #	1

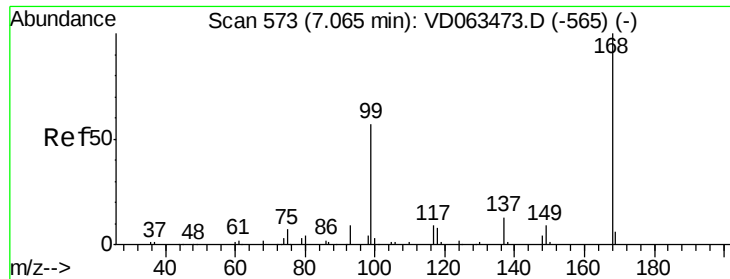
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
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: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063695.D

Acq: 20 Aug 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

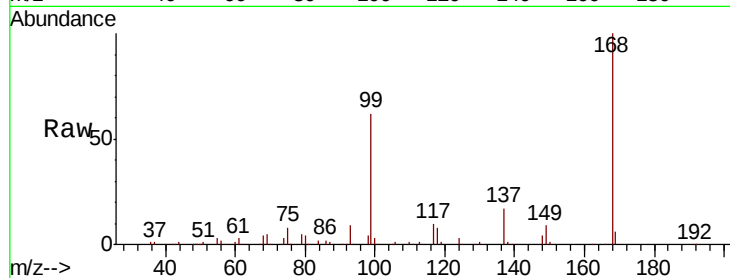
T4-D-(2)

Tgt Ion:168 Resp: 835777

Ion Ratio Lower Upper

168 100

99 62.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

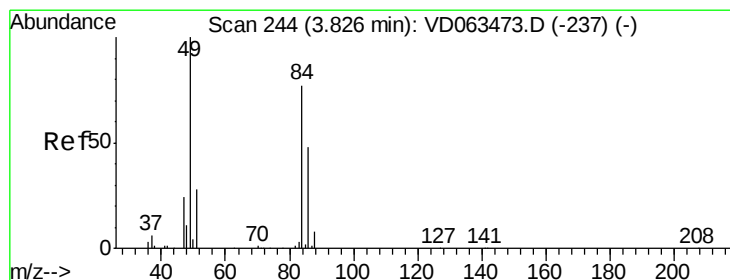
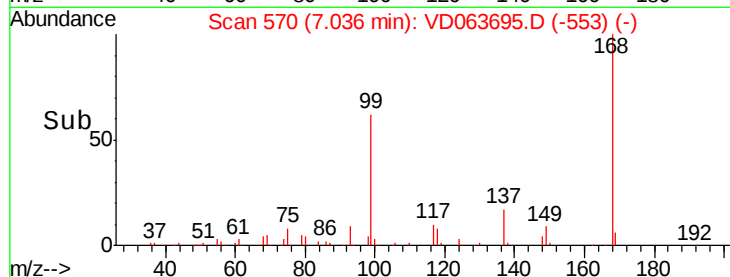
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#20

Methylene Chloride

Concen: 5.428 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.03 min

Lab File: VD063695.D

Acq: 20 Aug 2019 20:01

Tgt Ion: 84 Resp: 42623

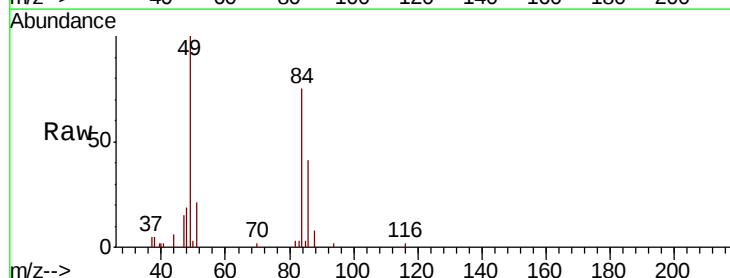
Ion Ratio Lower Upper

84 100

49 133.3 103.4 155.2

51 27.9 28.5 42.7#

86 54.6 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

30000

25000

20000

15000

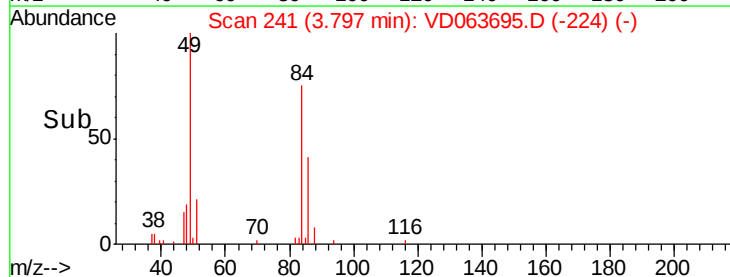
10000

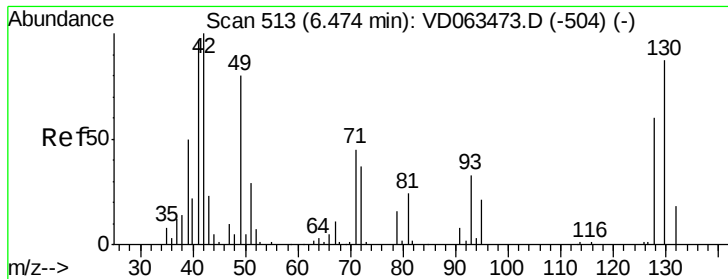
5000

0

Time-->

3.70 3.80 3.90





#29

Tetrahydrofuran

Concen: 8.608 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.03 min

Lab File: VD063695.D

Acq: 20 Aug 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

T4-D-(2)

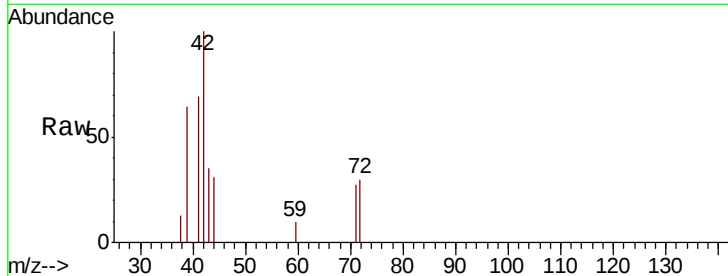
Tgt Ion: 42 Resp: 7194

Ion Ratio Lower Upper

42 100

72 52.8 31.5 47.3#

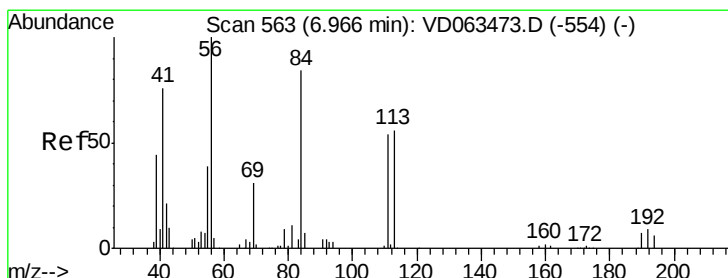
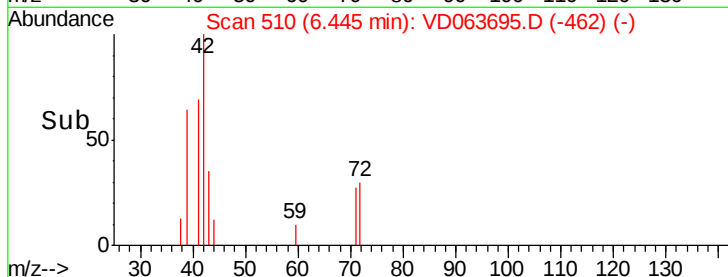
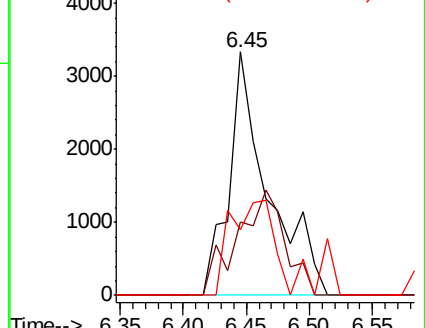
71 42.6 33.8 50.8



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: 2.286 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.06 min

Lab File: VD063695.D

Acq: 20 Aug 2019 20:01

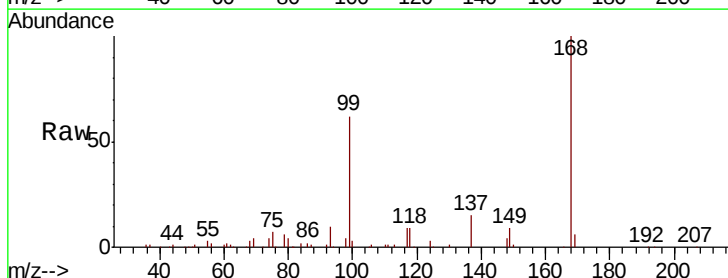
Tgt Ion: 56 Resp: 18437

Ion Ratio Lower Upper

56 100

69 169.6 25.0 37.6#

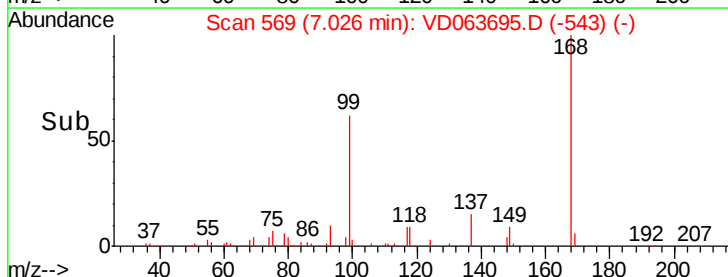
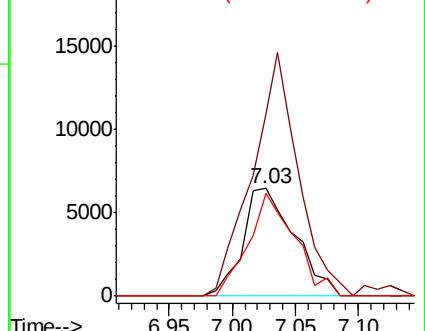
84 95.3 69.7 104.5

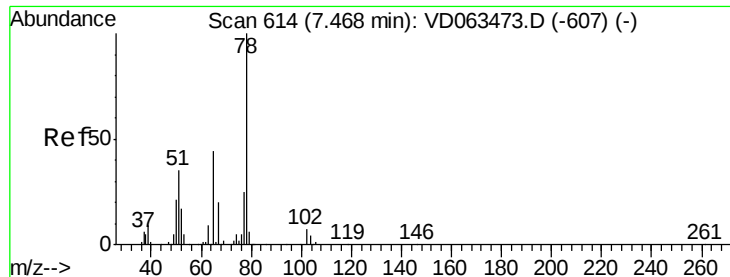


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

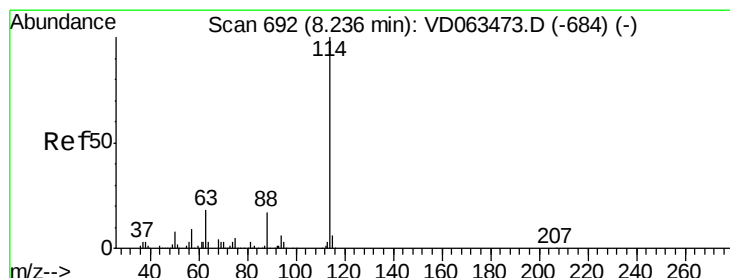
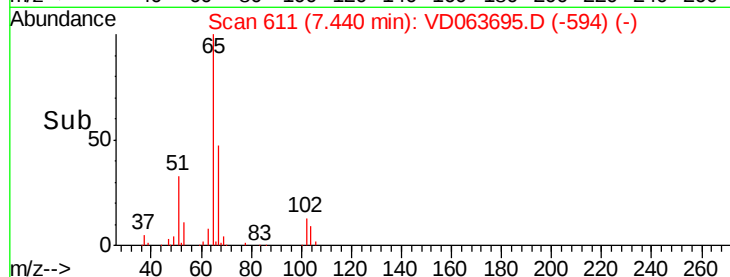
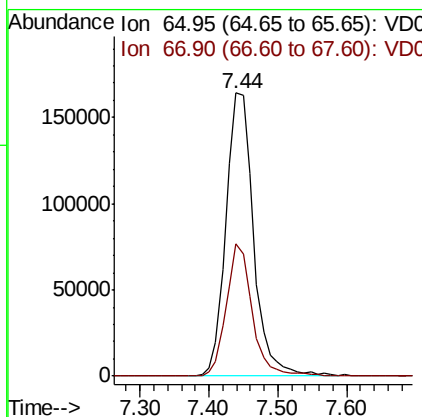
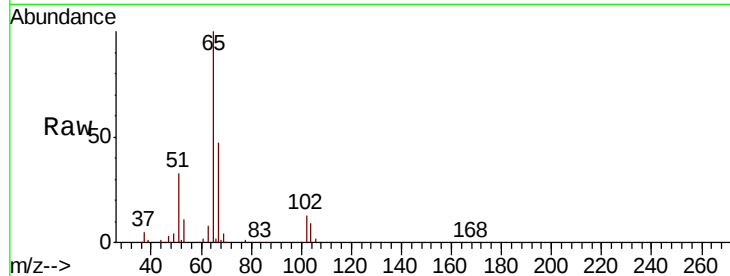




#33
 1,2-Dichloroethane-d4
 Concen: 51.369 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063695.D
 Acq: 20 Aug 2019 20:01

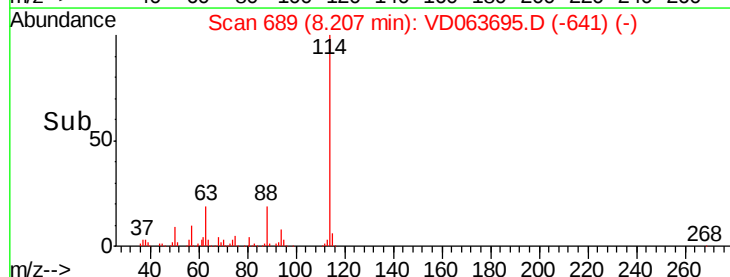
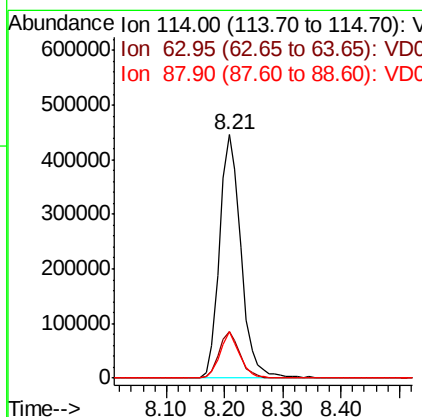
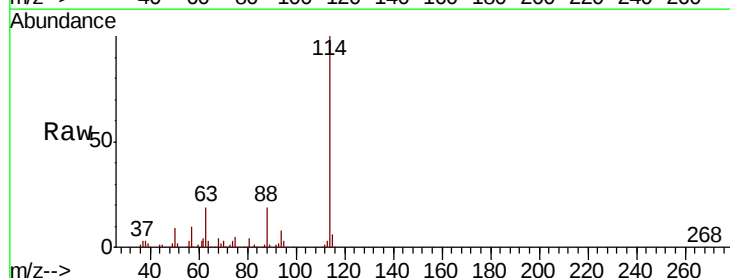
Instrument :
 MSVOA_D
 ClientSampleId :
 T4-D-(2)

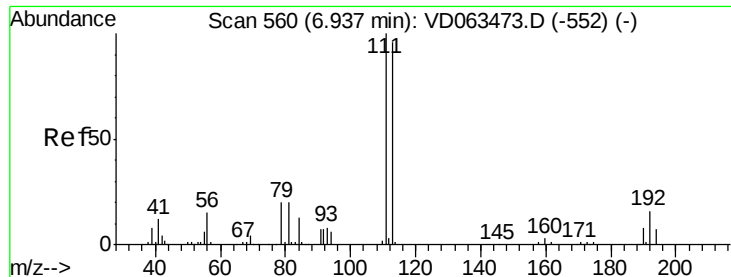
Tgt Ion: 65 Resp: 458918
 Ion Ratio Lower Upper
 65 100
 67 46.7 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063695.D
 Acq: 20 Aug 2019 20:01

Tgt Ion: 114 Resp: 1139943
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 36.2
 88 19.2 0.0 35.0





#35

Dibromofluoromethane

Concen: 59.323 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063695.D

Acq: 20 Aug 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

T4-D-(2)

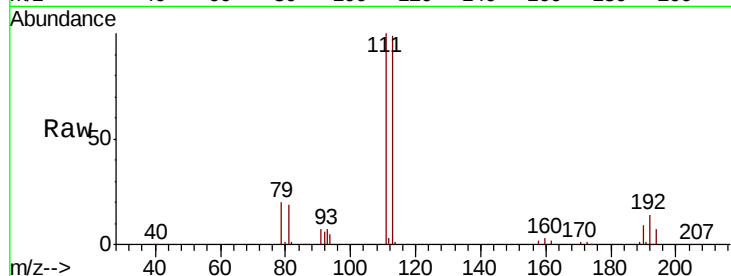
Tgt Ion:113 Resp: 569537

Ion Ratio Lower Upper

113 100

111 101.3 83.1 124.7

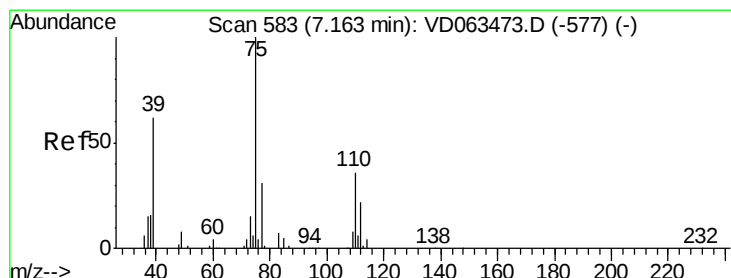
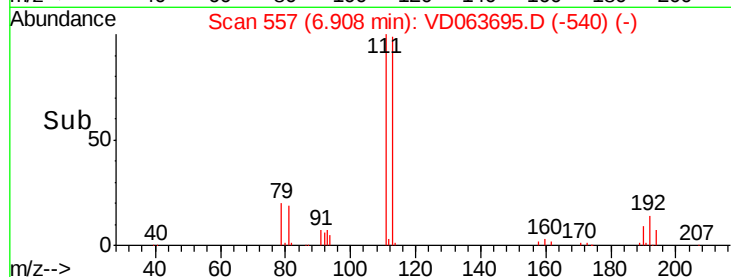
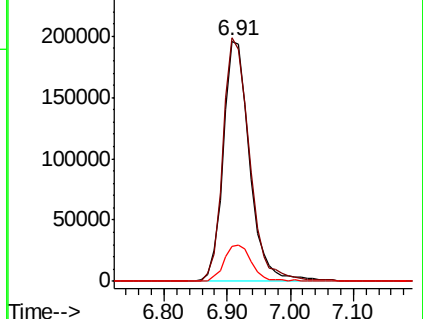
192 14.6 13.1 19.7



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: 6.054 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.13 min

Lab File: VD063695.D

Acq: 20 Aug 2019 20:01

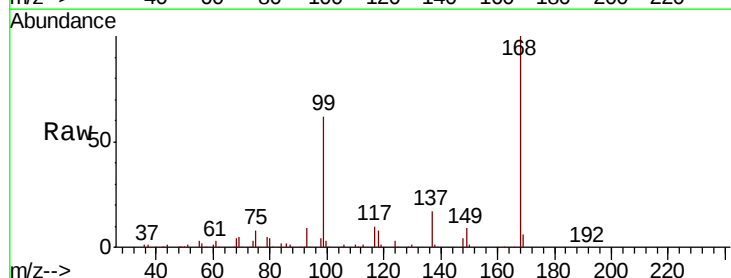
Tgt Ion: 75 Resp: 61008

Ion Ratio Lower Upper

75 100

110 7.8 17.6 52.8#

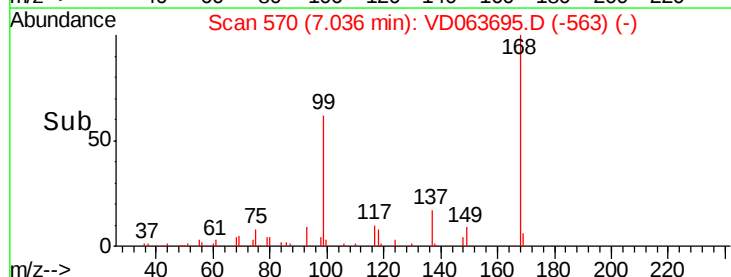
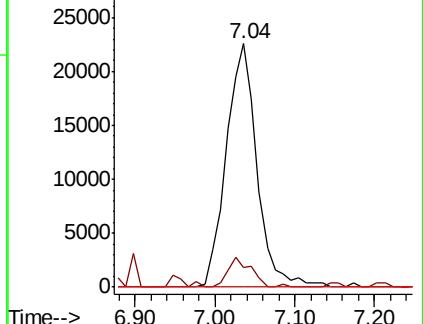
77 0.0 24.3 36.5#

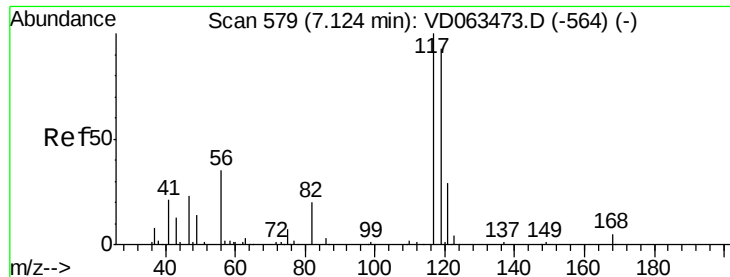


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.433 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063695.D

Acq: 20 Aug 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

T4-D-(2)

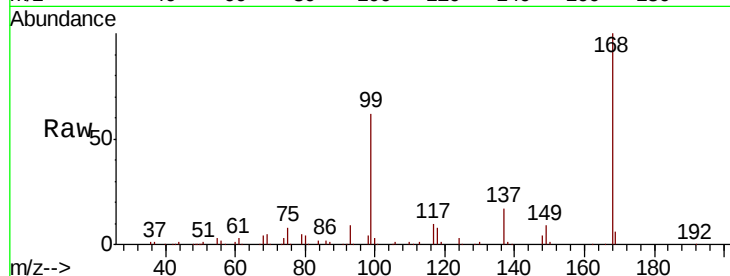
Tgt Ion:117 Resp: 82511

Ion Ratio Lower Upper

117 100

119 5.9 74.2 111.2#

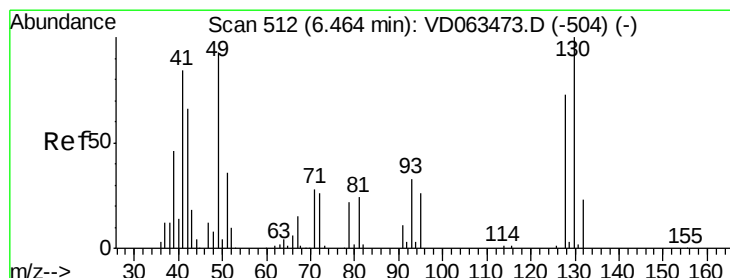
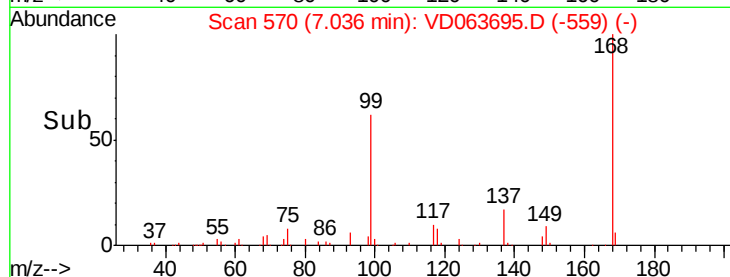
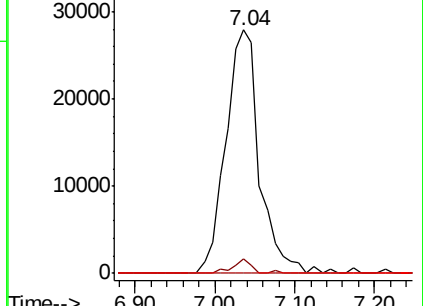
121 0.0 23.1 34.7#



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: 1.330 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD063695.D

Acq: 20 Aug 2019 20:01

Tgt Ion: 41 Resp: 7072

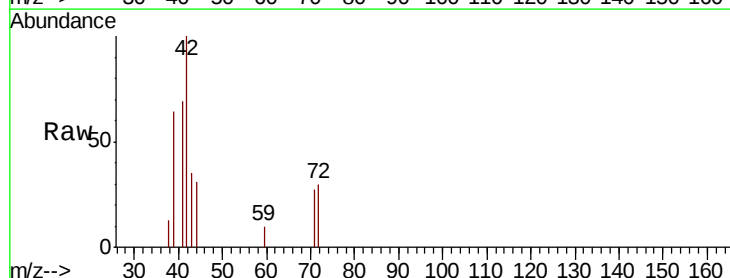
Ion Ratio Lower Upper

41 100

39 92.7 44.6 66.8#

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

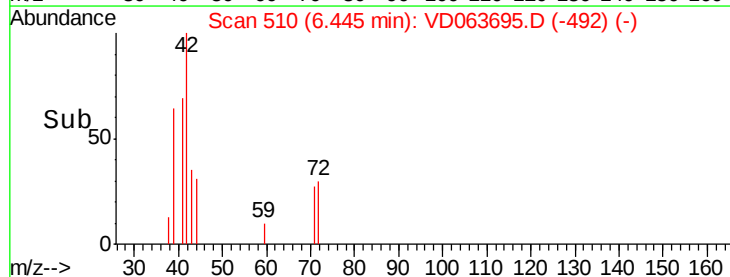
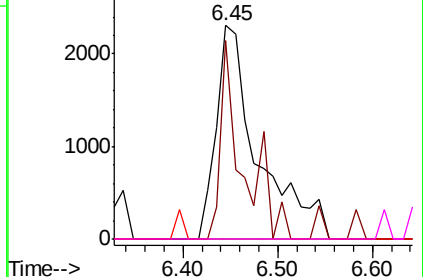


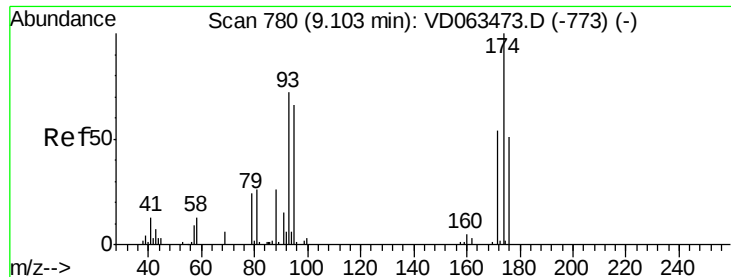
Abundance Ion 40.95 (40.65 to 41.65): VDC

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





#49

1,4-Dioxane

Concen: 30.264 ug/l

RT: 9.50 min Scan# 820

Delta R.T. 0.40 min

Lab File: VD063695.D

Acq: 20 Aug 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

T4-D-(2)

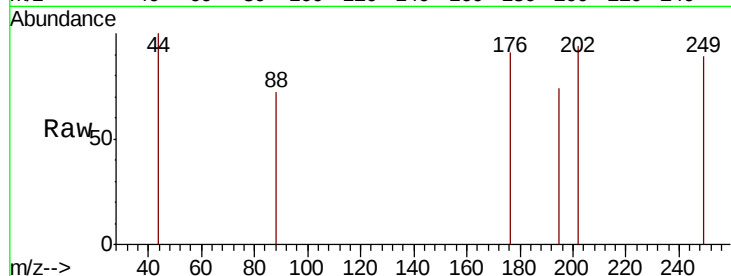
Tgt Ion: 88 Resp: 194

Ion Ratio Lower Upper

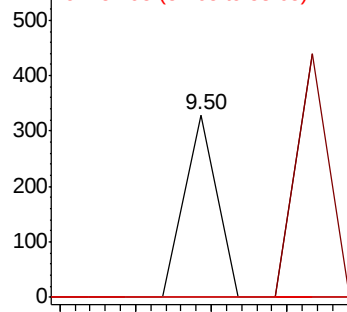
88 100

43 0.0 22.9 34.3#

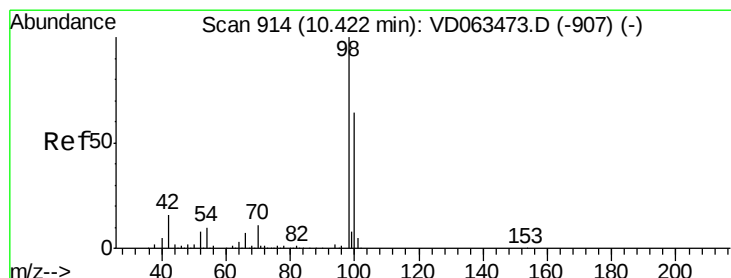
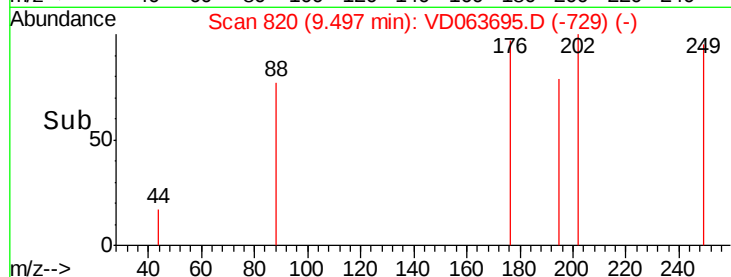
58 0.0 40.1 60.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



Time-->



#50

Toluene-d8

Concen: 46.622 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063695.D

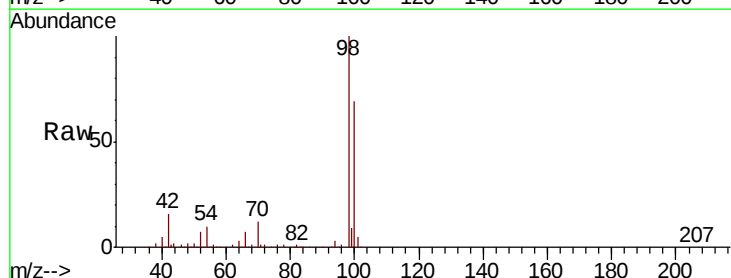
Acq: 20 Aug 2019 20:01

Tgt Ion: 98 Resp: 984070

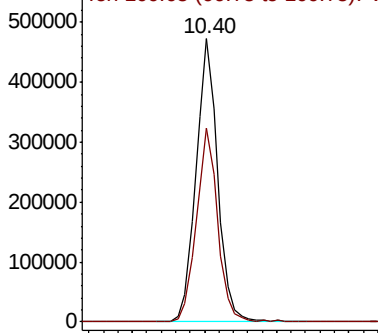
Ion Ratio Lower Upper

98 100

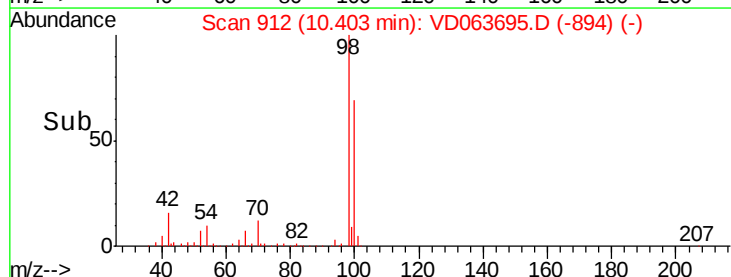
100 68.7 51.7 77.5

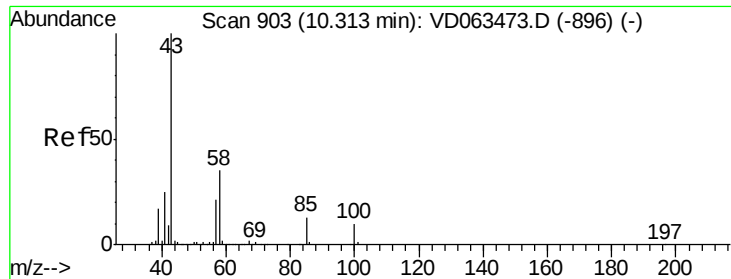


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC



Time-->





#51

4-Methyl-2-Pentanone

Concen: 1.537 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.09 min

Lab File: VD063695.D

Acq: 20 Aug 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

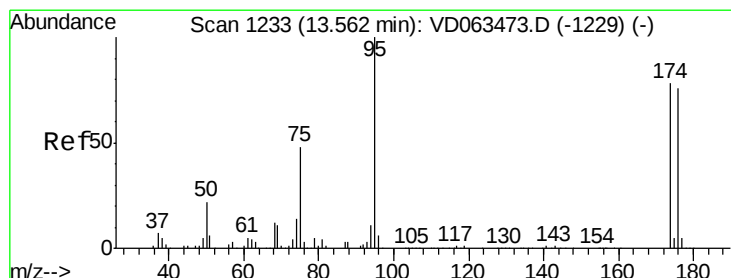
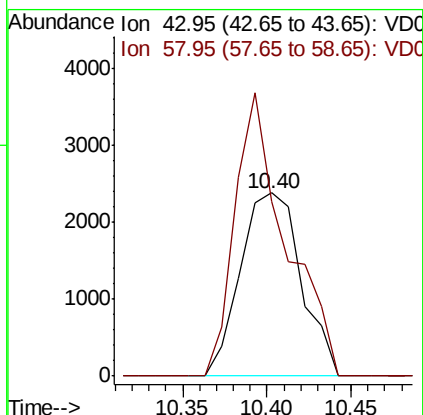
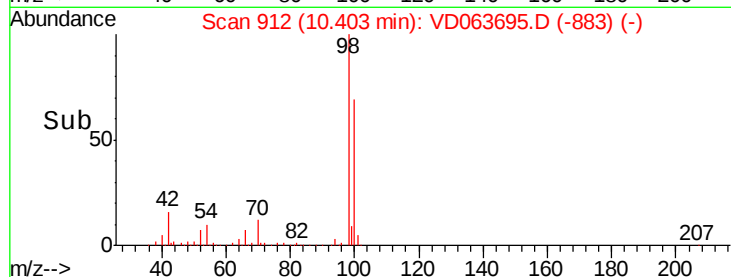
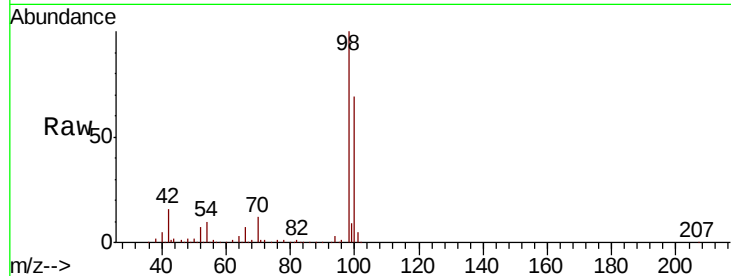
T4-D-(2)

Tgt Ion: 43 Resp: 5948

Ion Ratio Lower Upper

43 100

58 95.0 28.0 42.0#



#62

4-Bromofluorobenzene

Concen: 32.576 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063695.D

Acq: 20 Aug 2019 20:01

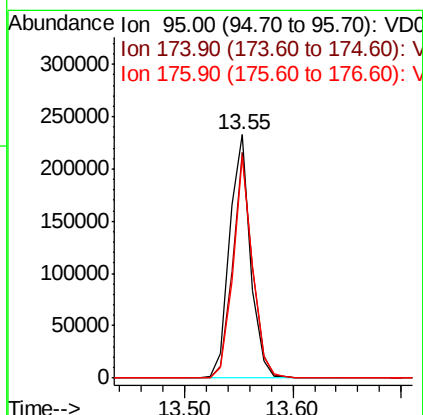
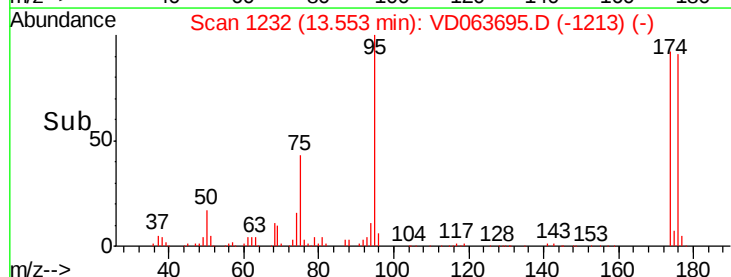
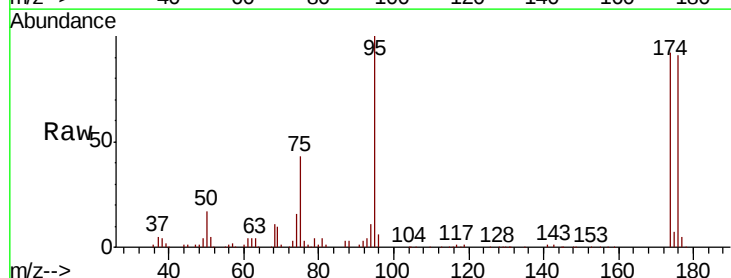
Tgt Ion: 95 Resp: 311647

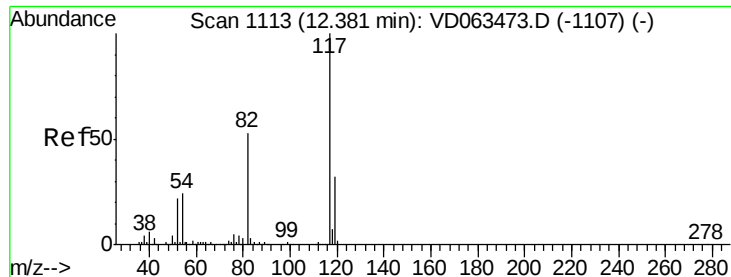
Ion Ratio Lower Upper

95 100

174 92.5 0.0 155.4

176 91.3 0.0 152.4

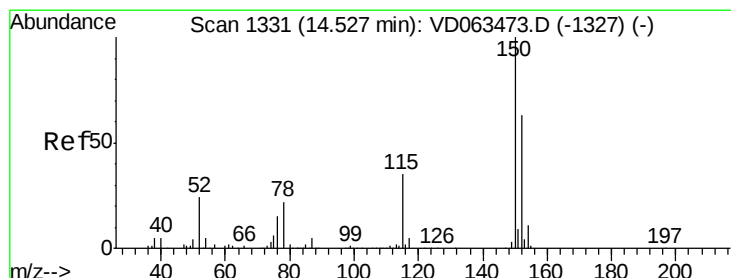
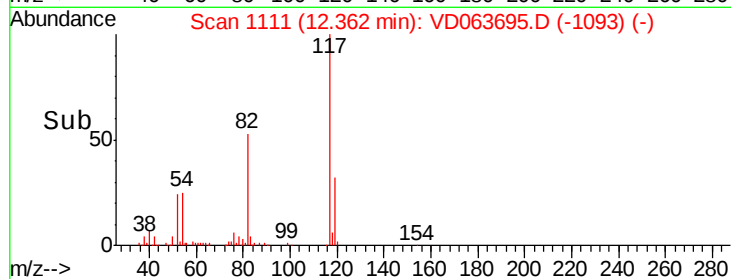
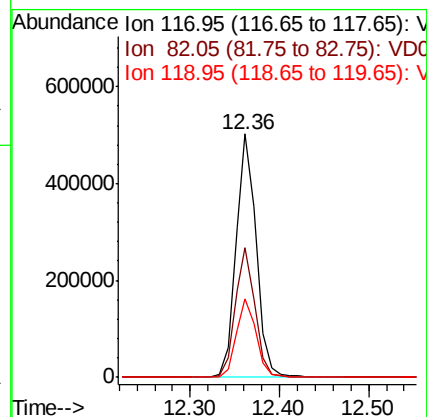
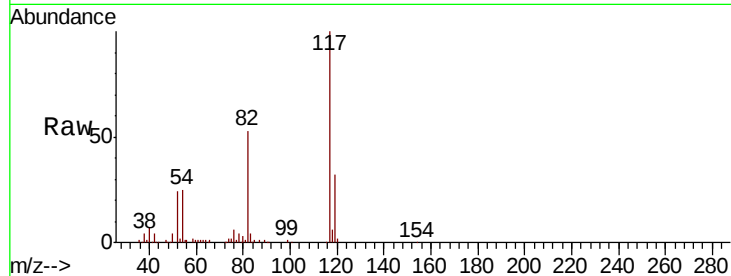




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063695.D
Acq: 20 Aug 2019 20:01

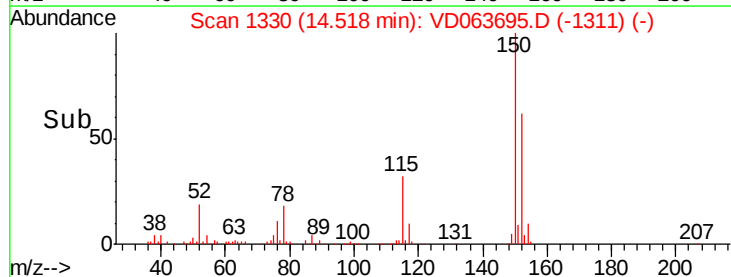
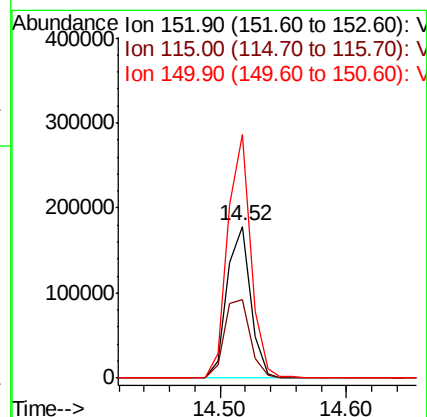
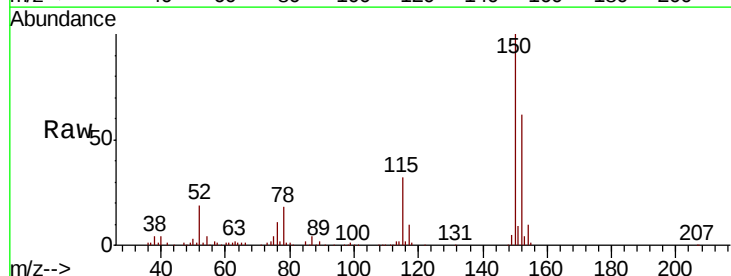
Instrument :
MSVOA_D
ClientSampleId :
T4-D-(2)

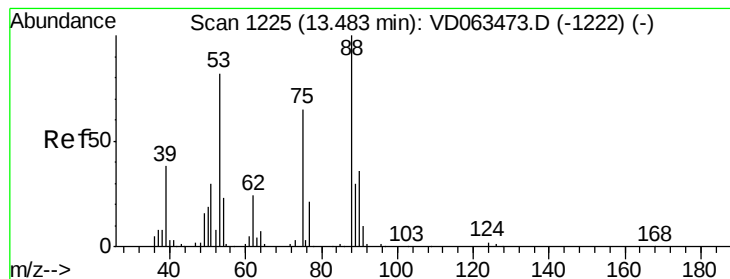
Tgt Ion:117 Resp: 802921
Ion Ratio Lower Upper
117 100
82 53.1 42.0 63.0
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063695.D
Acq: 20 Aug 2019 20:01

Tgt Ion:152 Resp: 231052
Ion Ratio Lower Upper
152 100
115 51.8 30.9 92.7
150 160.4 0.0 318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 188.948 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063695.D

Acq: 20 Aug 2019 20:01

Instrument :

MSVOA_D

ClientSampleId :

T4-D-(2)

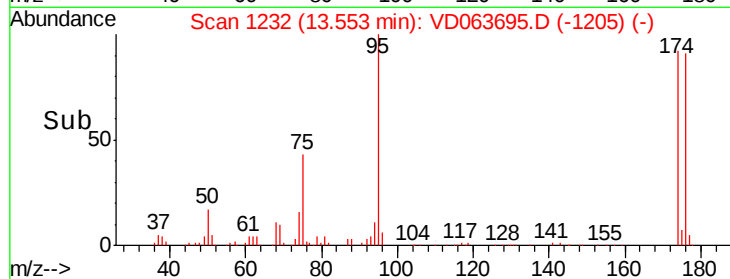
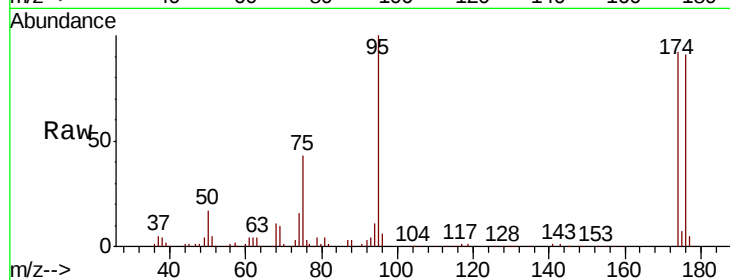
Tgt Ion: 75 Resp: 134665

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

