

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
 Data File : VD063725.D
 Acq On : 21 Aug 2019 20:51
 Operator : JC/SY
 Sample : K4388-15RE
 Misc : 5.23g/5ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T4-E-(2)RE

Quant Time: Aug 22 01:29:08 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	943456	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1324349	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1040199	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	414545	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	667340	66.17	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	132.34%	
35) Dibromofluoromethane	6.92	113	778139	69.76	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	139.52%	
50) Toluene-d8	10.41	98	1488666	60.71	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	121.42%	
62) 4-Bromofluorobenzene	13.55	95	565907	50.92	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.84%	

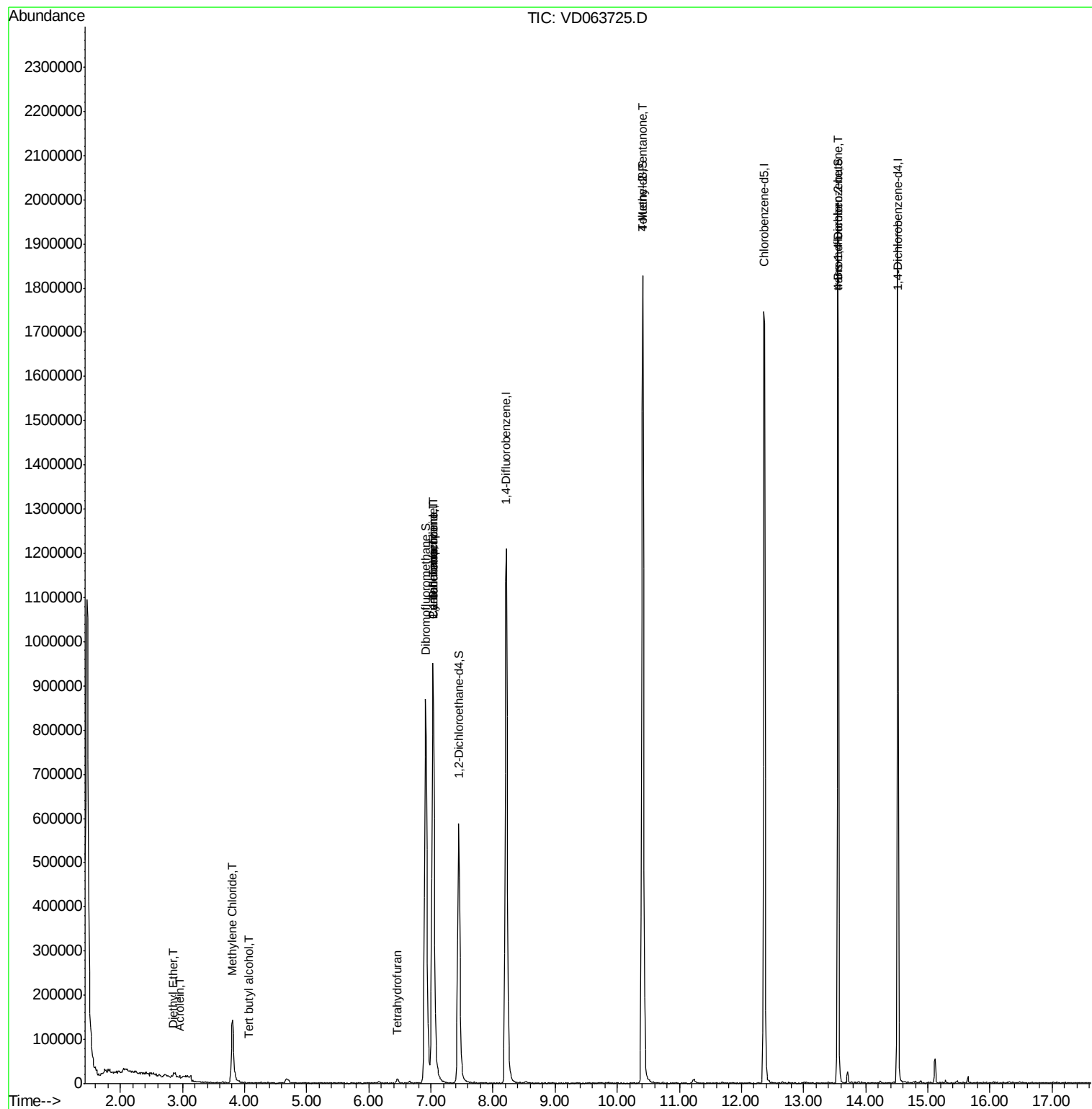
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.86	74	3682	1.502	ug/l	67
11) Tert butyl alcohol	4.06	59	1300	2.961	ug/l #	71
13) Acrolein	2.95	56	634	1.467	ug/l	91
20) Methylene Chloride	3.81	84	94287	10.636	ug/l	95
29) Tetrahydrofuran	6.45	42	5314	5.632	ug/l #	35
31) Cyclohexane	7.03	56	19135	2.101	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	71498	6.107	ug/l #	52
38) Carbon Tetrachloride	7.03	117	92096	5.219	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	8892	1.978	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	255359	199.699	ug/l #	1

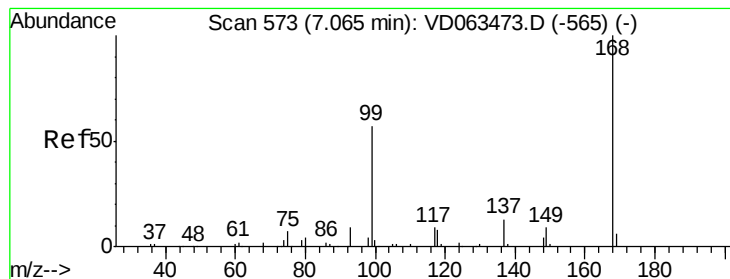
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
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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# 570

Delta R.T. -0.03 min

Lab File: VD063725.D

Acq: 21 Aug 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

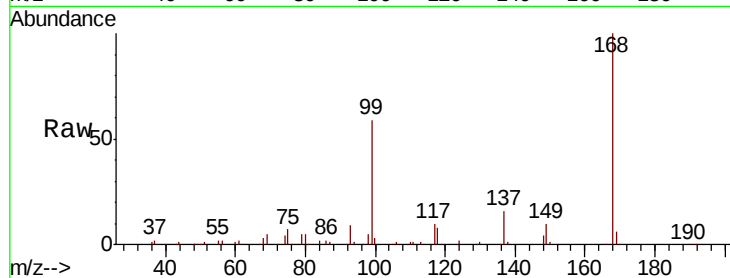
T4-E-(2)RE

Tgt Ion:168 Resp: 943456

Ion Ratio Lower Upper

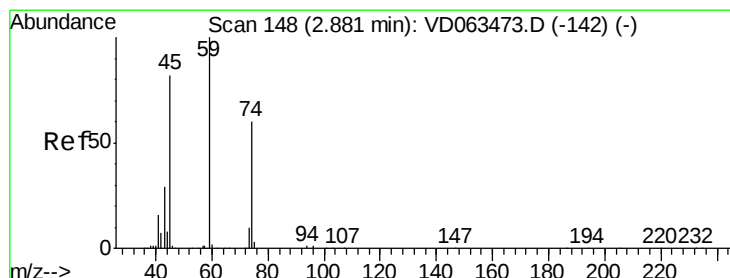
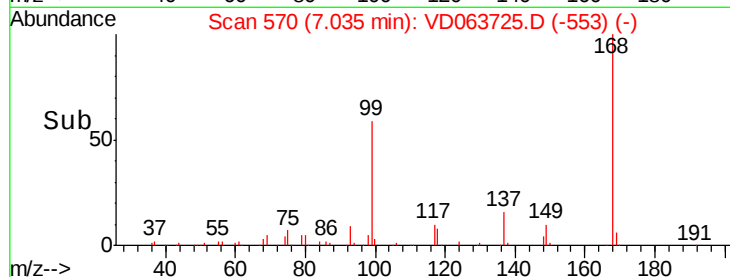
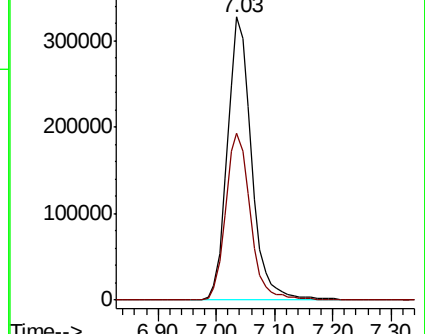
168 100

99 58.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.502 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD063725.D

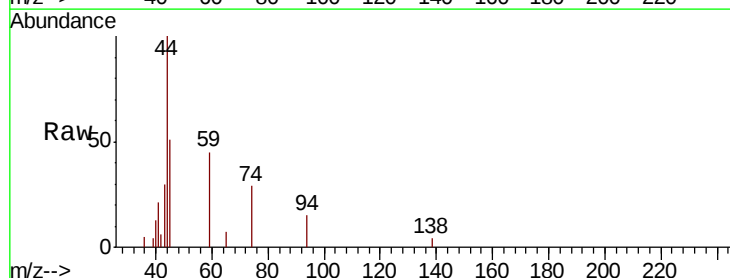
Acq: 21 Aug 2019 20:51

Tgt Ion: 74 Resp: 3682

Ion Ratio Lower Upper

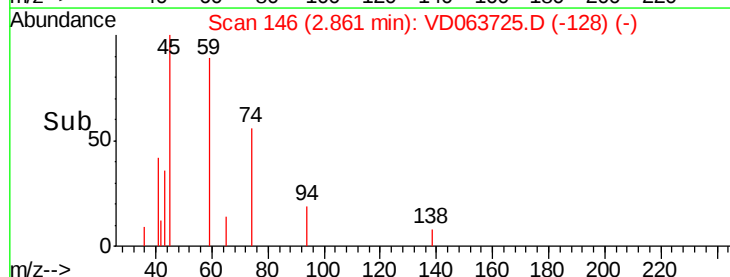
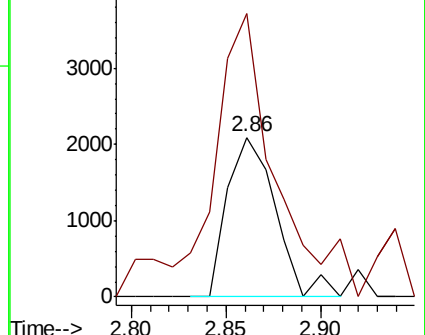
74 100

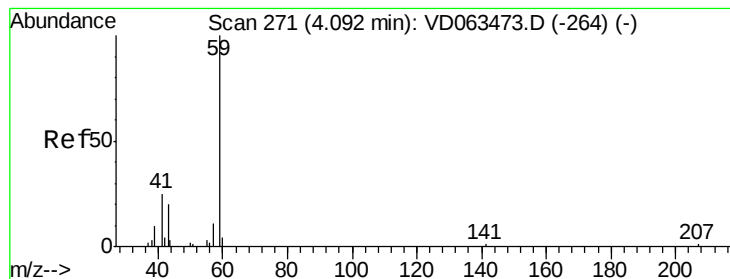
45 177.2 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#11

Tert butyl alcohol

Concen: 2.961 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.03 min

Lab File: VD063725.D

Acq: 21 Aug 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

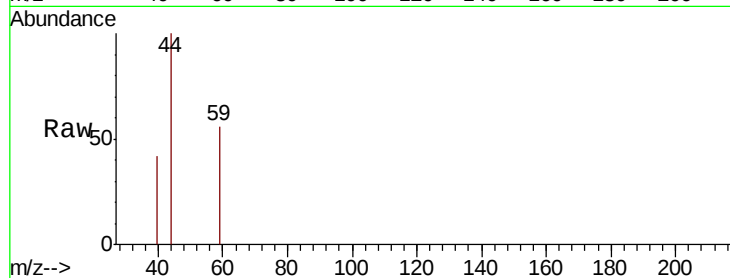
T4-E-(2)RE

Tgt Ion: 59 Resp: 1300

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.06

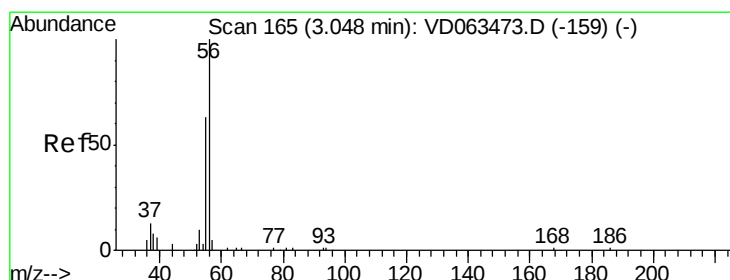
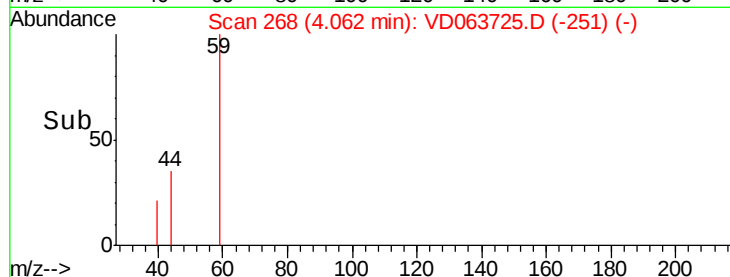
600

400

200

0

Time-->



#13

Acrolein

Concen: 1.467 ug/l

RT: 2.95 min Scan# 155

Delta R.T. -0.10 min

Lab File: VD063725.D

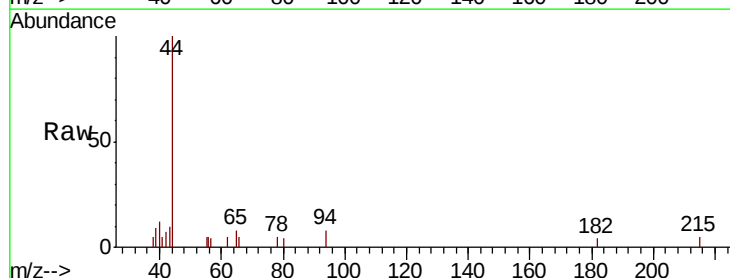
Acq: 21 Aug 2019 20:51

Tgt Ion: 56 Resp: 634

Ion Ratio Lower Upper

56 100

55 57.0 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.95

800

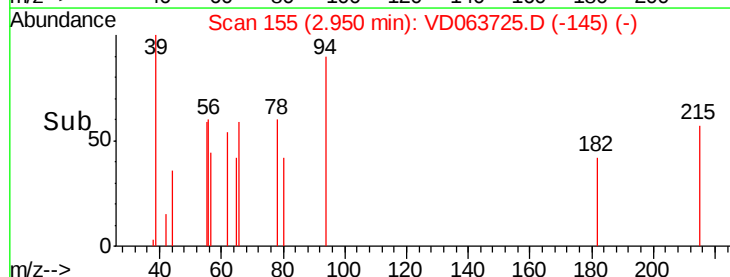
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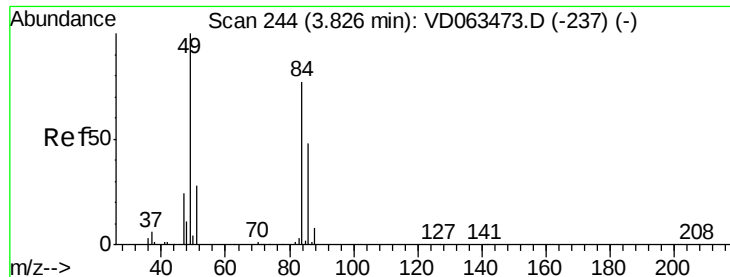
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200

0

Time-->

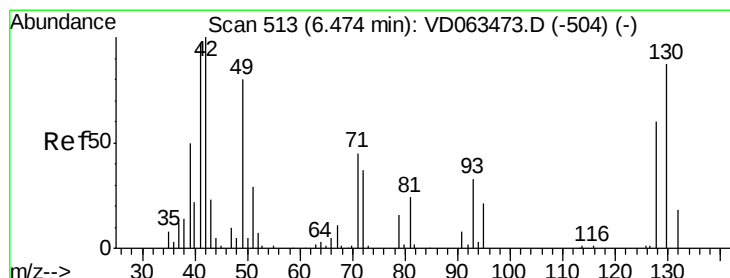
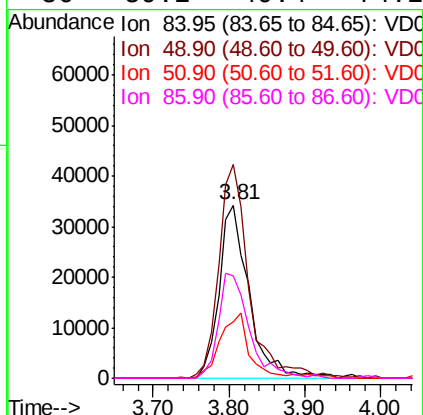
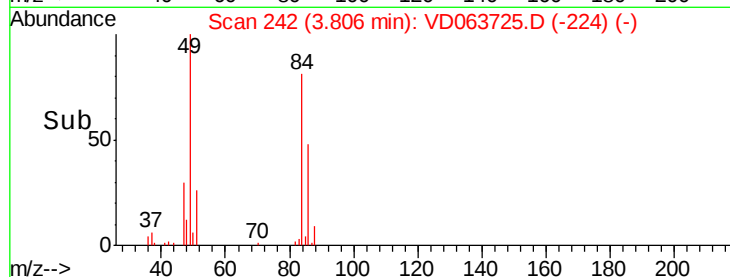
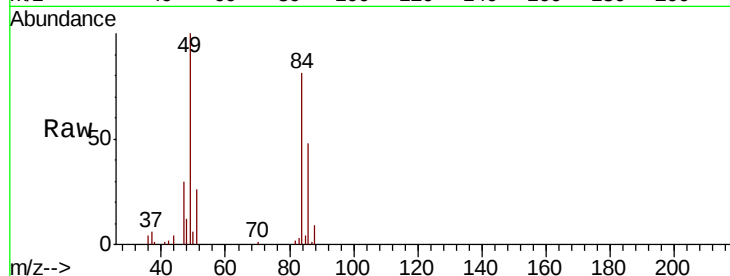




#20
Methylene Chloride
Concen: 10.636 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063725.D
Acq: 21 Aug 2019 20:51

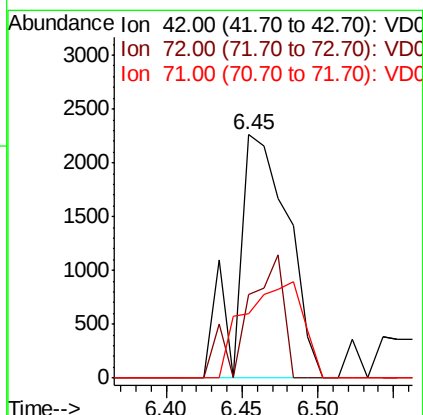
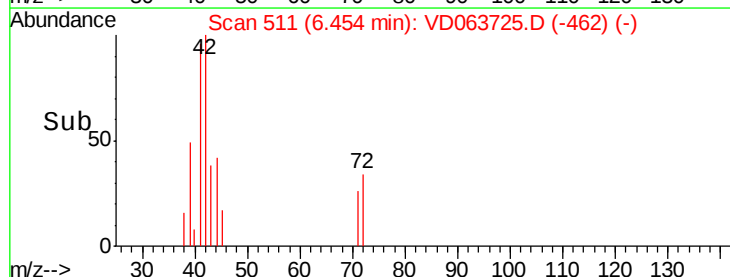
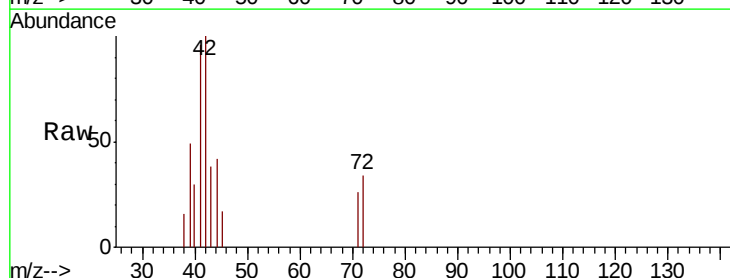
Instrument :
MSVOA_D
ClientSampleId :
T4-E-(2)RE

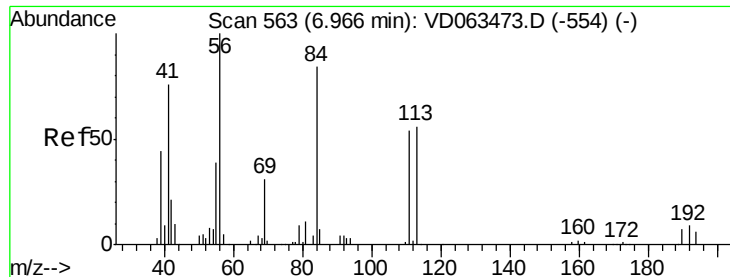
Tgt Ion:	84	Resp:	94287
Ion	Ratio	Lower	Upper
84	100		
49	123.4	103.4	155.2
51	32.4	28.5	42.7
86	59.2	49.4	74.2



#29
Tetrahydrofuran
Concen: 5.632 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063725.D
Acq: 21 Aug 2019 20:51

Tgt Ion:	42	Resp:	5314
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.5	47.3#
71	0.0	33.8	50.8#

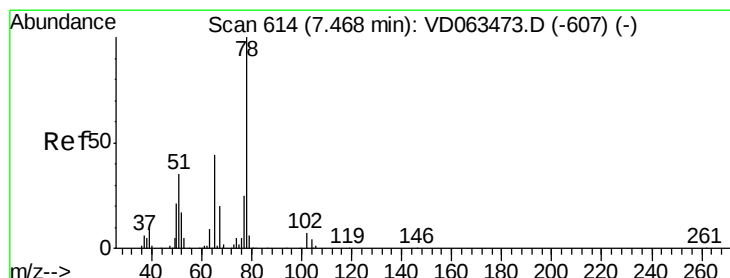
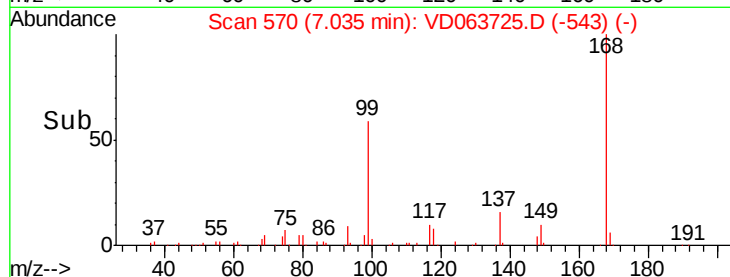
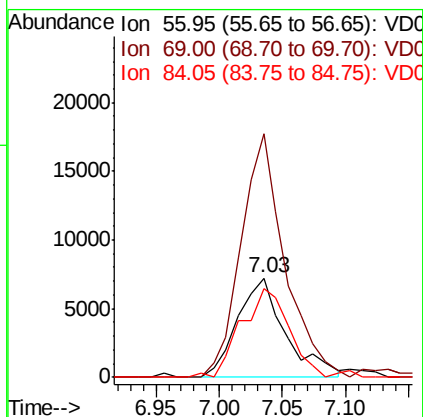
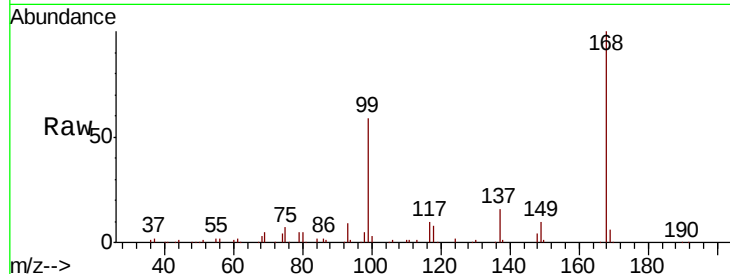




#31
Cyclohexane
Concen: 2.101 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063725.D
Acq: 21 Aug 2019 20:51

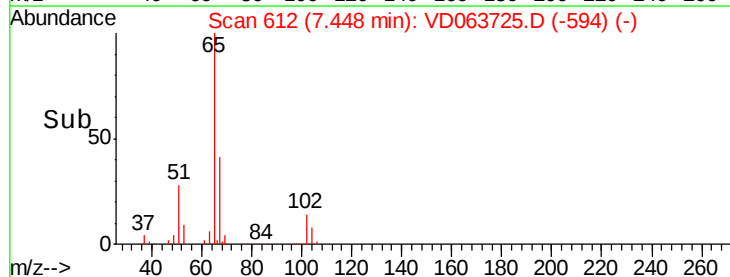
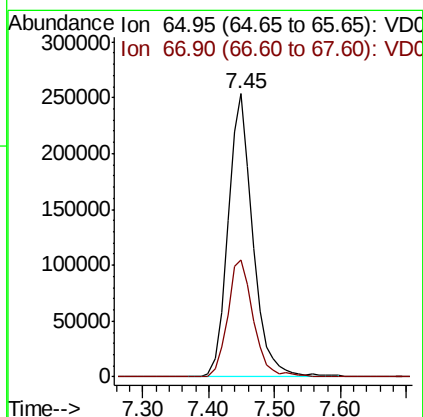
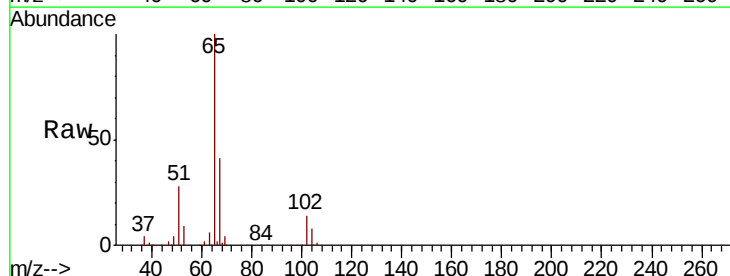
Instrument :
MSVOA_D
ClientSampleId :
T4-E-(2)RE

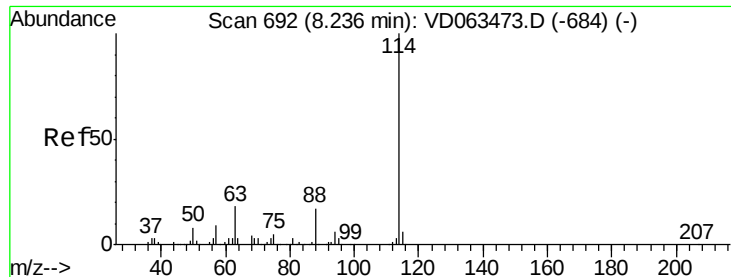
Tgt Ion: 56 Resp: 19135
Ion Ratio Lower Upper
56 100
69 245.1 25.0 37.6#
84 89.0 69.7 104.5



#33
1,2-Dichloroethane-d4
Concen: 66.173 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063725.D
Acq: 21 Aug 2019 20:51

Tgt Ion: 65 Resp: 667340
Ion Ratio Lower Upper
65 100
67 41.5 0.0 89.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063725.D

Acq: 21 Aug 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

T4-E-(2)RE

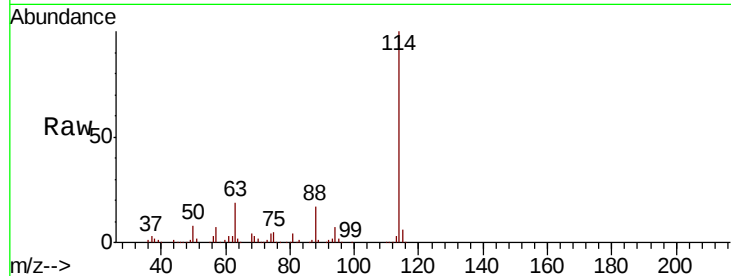
Tgt Ion:114 Resp: 1324349

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.2

88 16.8 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V

600000

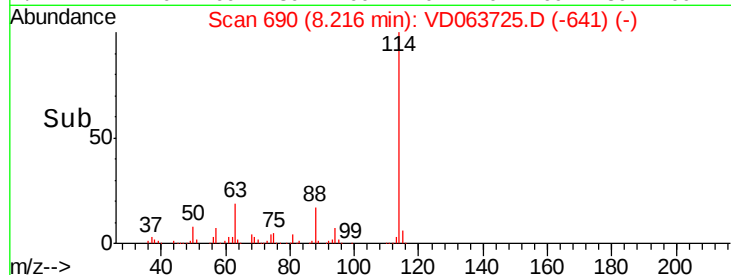
400000

200000

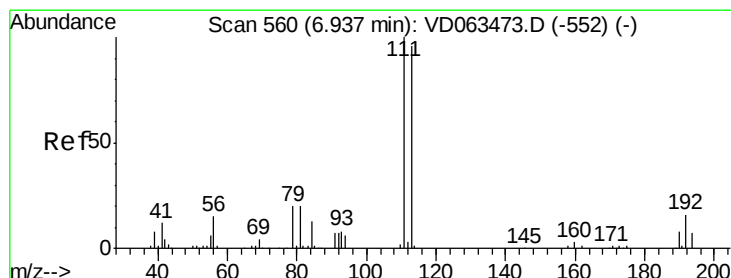
0

8.22

8.00 8.20 8.40



Time-->



#35

Dibromofluoromethane

Concen: 69.765 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063725.D

Acq: 21 Aug 2019 20:51

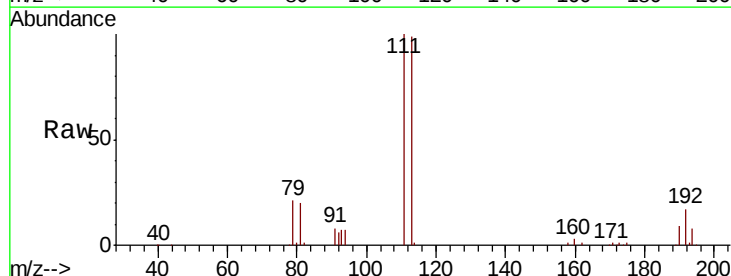
Tgt Ion:113 Resp: 778139

Ion Ratio Lower Upper

113 100

111 100.8 83.1 124.7

192 17.3 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

300000

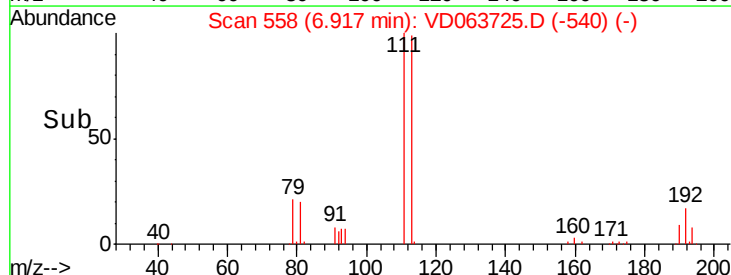
200000

100000

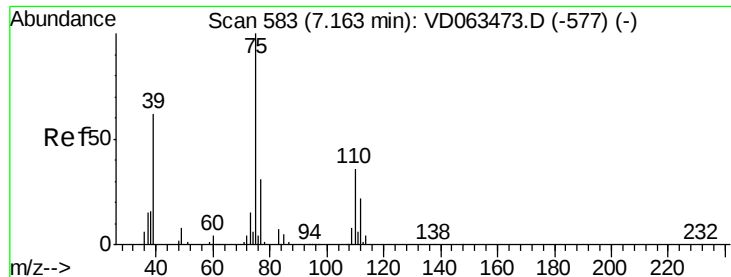
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6.92

6.80 6.90 7.00 7.10



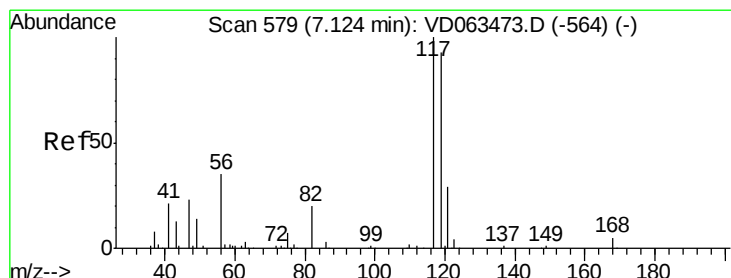
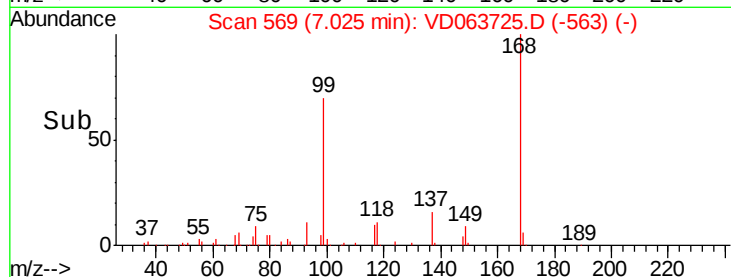
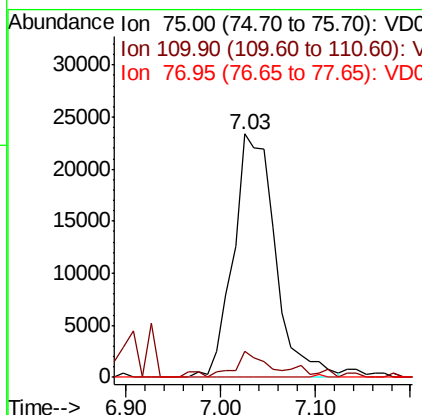
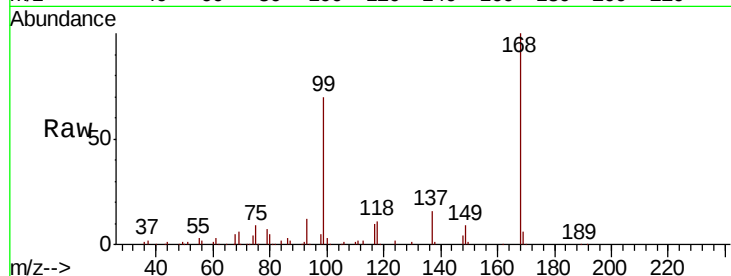
Time-->



#36
 1,1-Dichloropropene
 Concen: 6.107 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.14 min
 Lab File: VD063725.D
 Acq: 21 Aug 2019 20:51

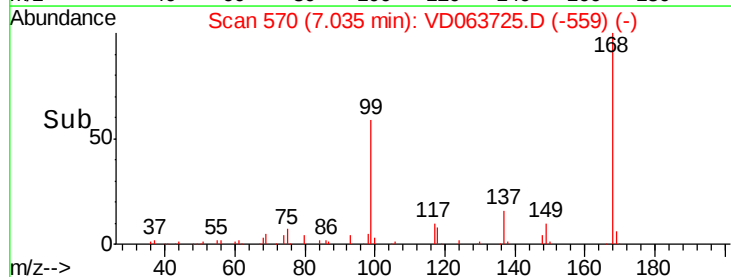
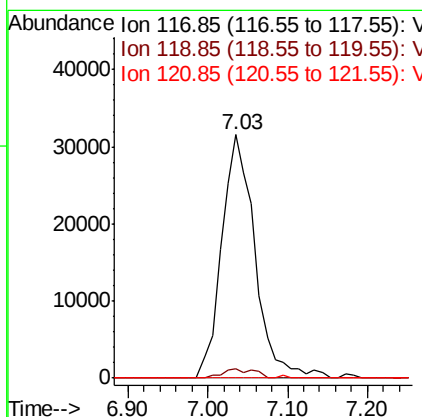
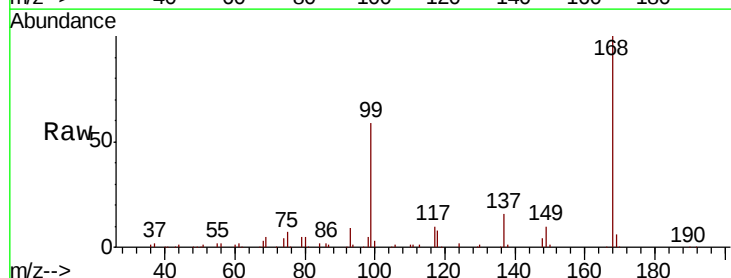
Instrument :
 MSVOA_D
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 T4-E-(2)RE

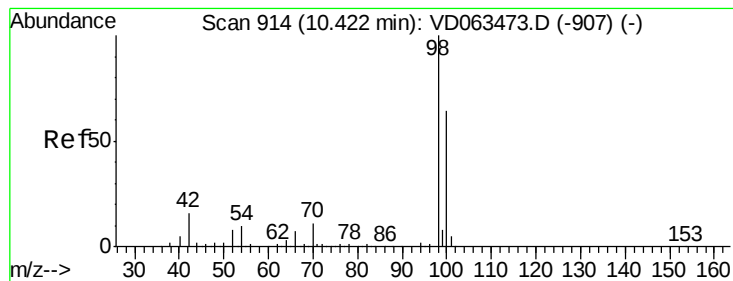
Tgt Ion: 75 Resp: 71498
 Ion Ratio Lower Upper
 75 100
 110 10.8 17.6 52.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.219 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD063725.D
 Acq: 21 Aug 2019 20:51

Tgt Ion: 117 Resp: 92096
 Ion Ratio Lower Upper
 117 100
 119 3.7 74.2 111.2#
 121 0.0 23.1 34.7#





#50

Toluene-d8

Concen: 60.707 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD063725.D

Acq: 21 Aug 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

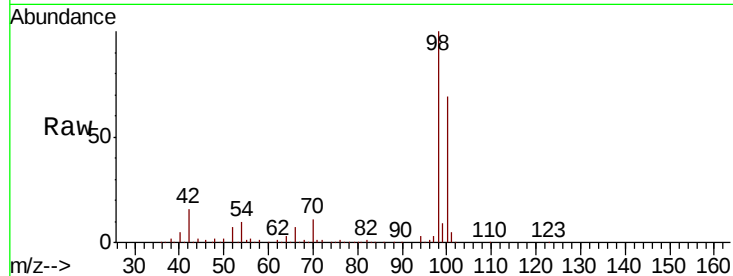
T4-E-(2)RE

Tgt Ion: 98 Resp: 1488666

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

10.41

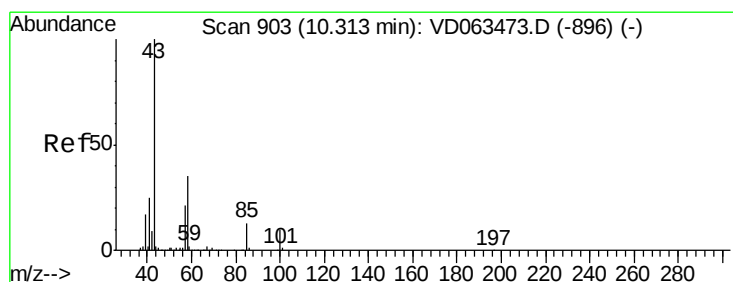
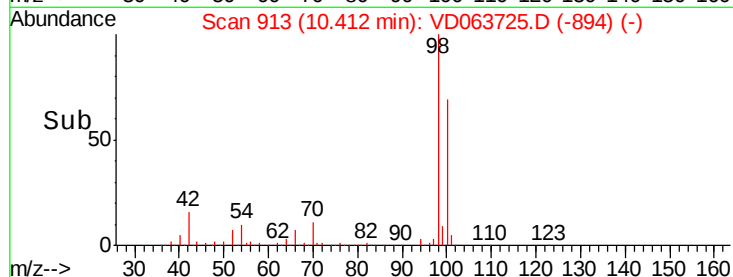
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.978 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.09 min

Lab File: VD063725.D

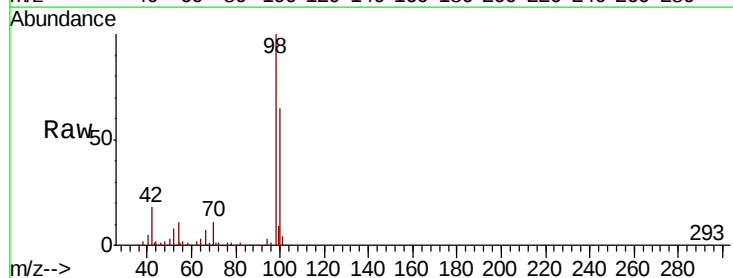
Acq: 21 Aug 2019 20:51

Tgt Ion: 43 Resp: 8892

Ion Ratio Lower Upper

43 100

58 119.7 28.0 42.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.40

5000

4000

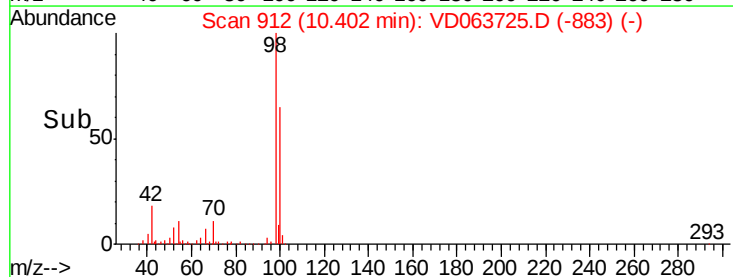
3000

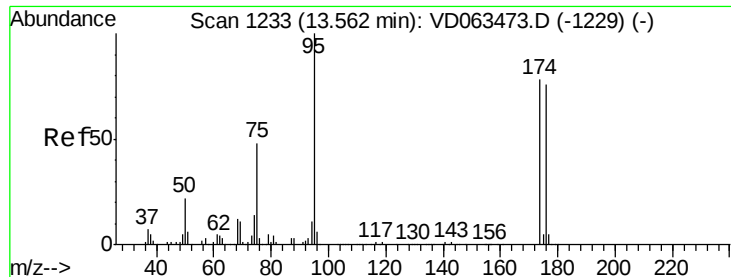
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 50.916 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063725.D

Acq: 21 Aug 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

T4-E-(2)RE

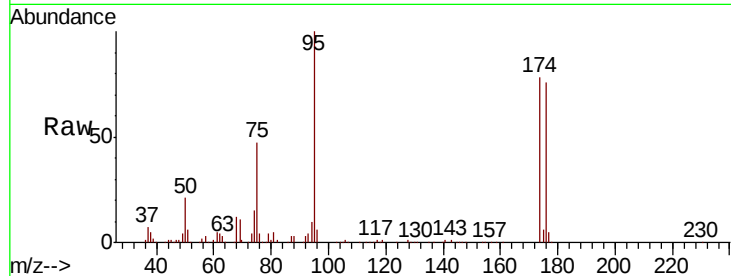
Tgt Ion: 95 Resp: 565907

Ion Ratio Lower Upper

95 100

174 78.1 0.0 155.4

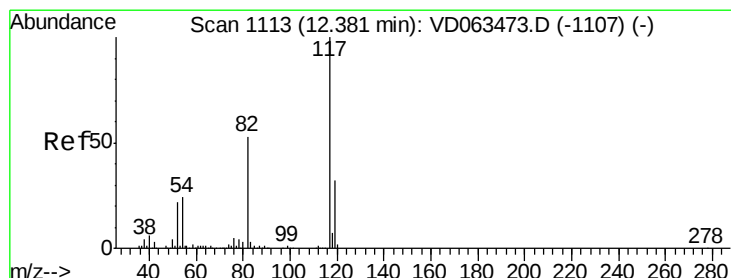
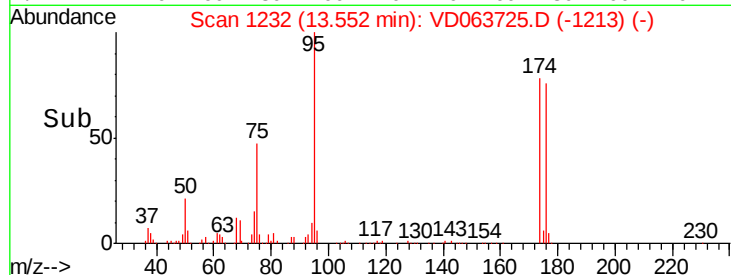
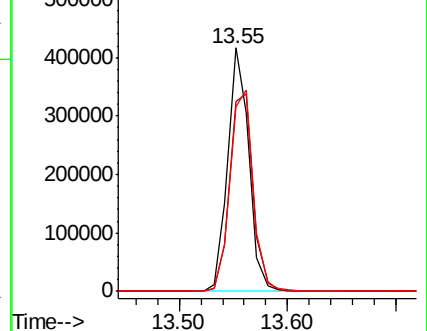
176 75.9 0.0 152.4



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: 12.37 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VD063725.D

Acq: 21 Aug 2019 20:51

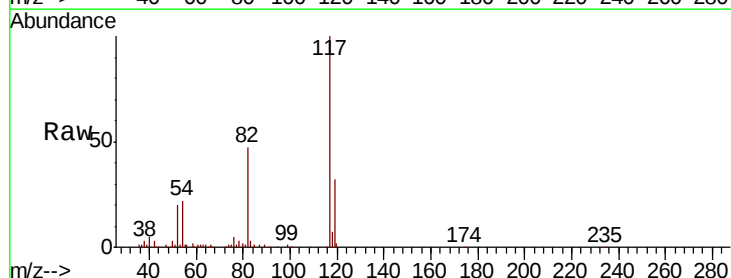
Tgt Ion: 117 Resp: 1040199

Ion Ratio Lower Upper

117 100

82 47.3 42.0 63.0

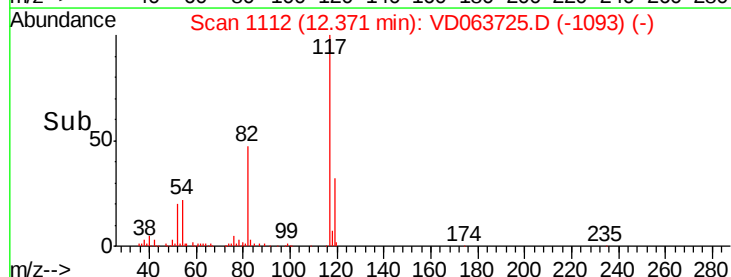
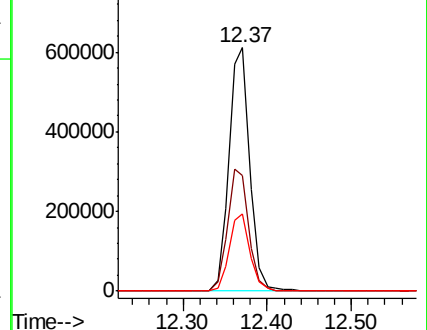
119 31.5 25.4 38.0

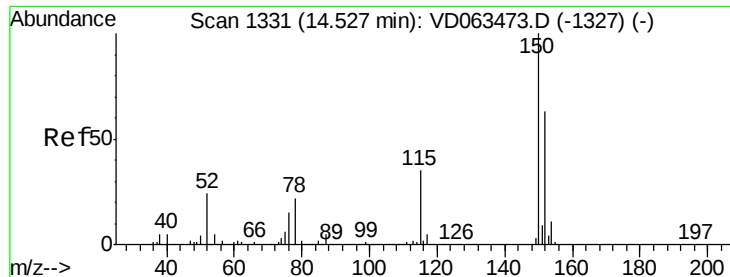


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063725.D

Acq: 21 Aug 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

T4-E-(2)RE

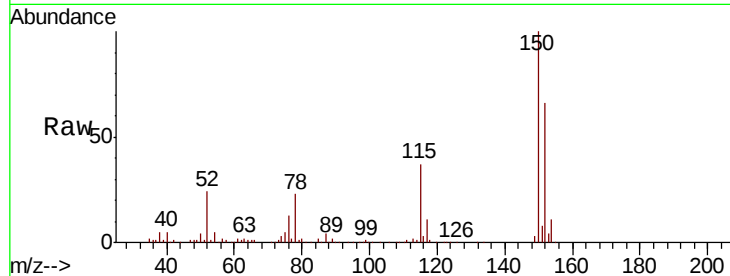
Tgt Ion:152 Resp: 414545

Ion Ratio Lower Upper

152 100

115 55.4 30.9 92.7

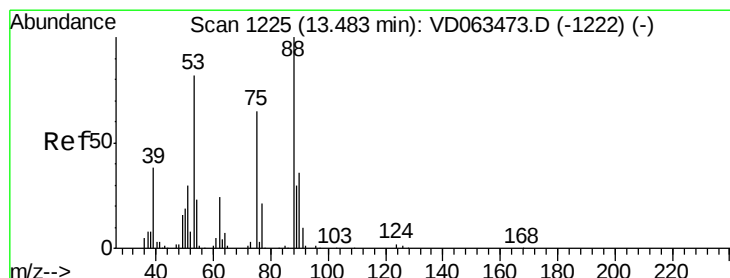
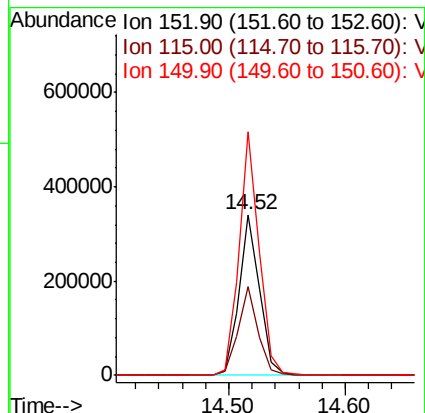
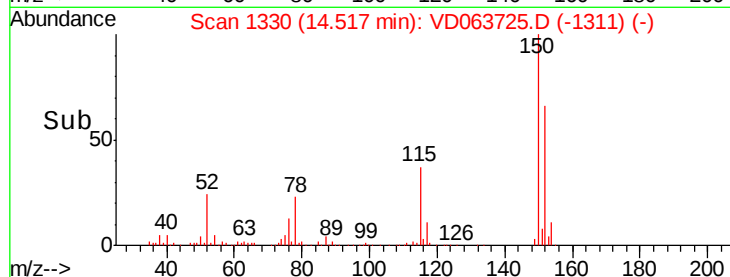
150 151.4 0.0 318.6



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: 199.699 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063725.D

Acq: 21 Aug 2019 20:51

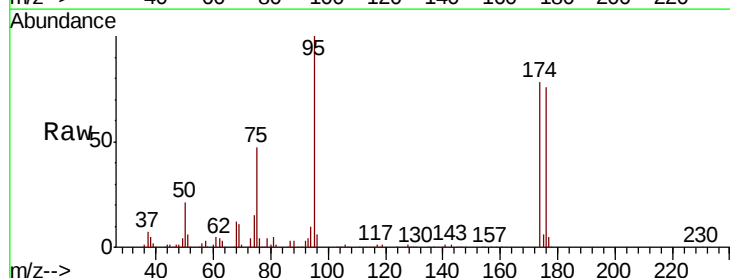
Tgt Ion: 75 Resp: 255359

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

