

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082319\
 Data File : VD063765.D
 Acq On : 23 Aug 2019 14:44
 Operator : JC/SY
 Sample : K4477-12
 Misc : 6.51g/5ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2(3-4)

Quant Time: Aug 26 01:07:05 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	952539	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1275829	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1108453	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	631077	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	642430	63.10	ug/l	-0.03
Spiked Amount			Recovery	=	126.20%	
35) Dibromofluoromethane	6.91	113	686249	63.87	ug/l	-0.03
Spiked Amount			Recovery	=	127.74%	
50) Toluene-d8	10.40	98	1467076	62.10	ug/l	-0.02
Spiked Amount			Recovery	=	124.20%	
62) 4-Bromofluorobenzene	13.55	95	621454	58.04	ug/l	0.00
Spiked Amount			Recovery	=	116.08%	

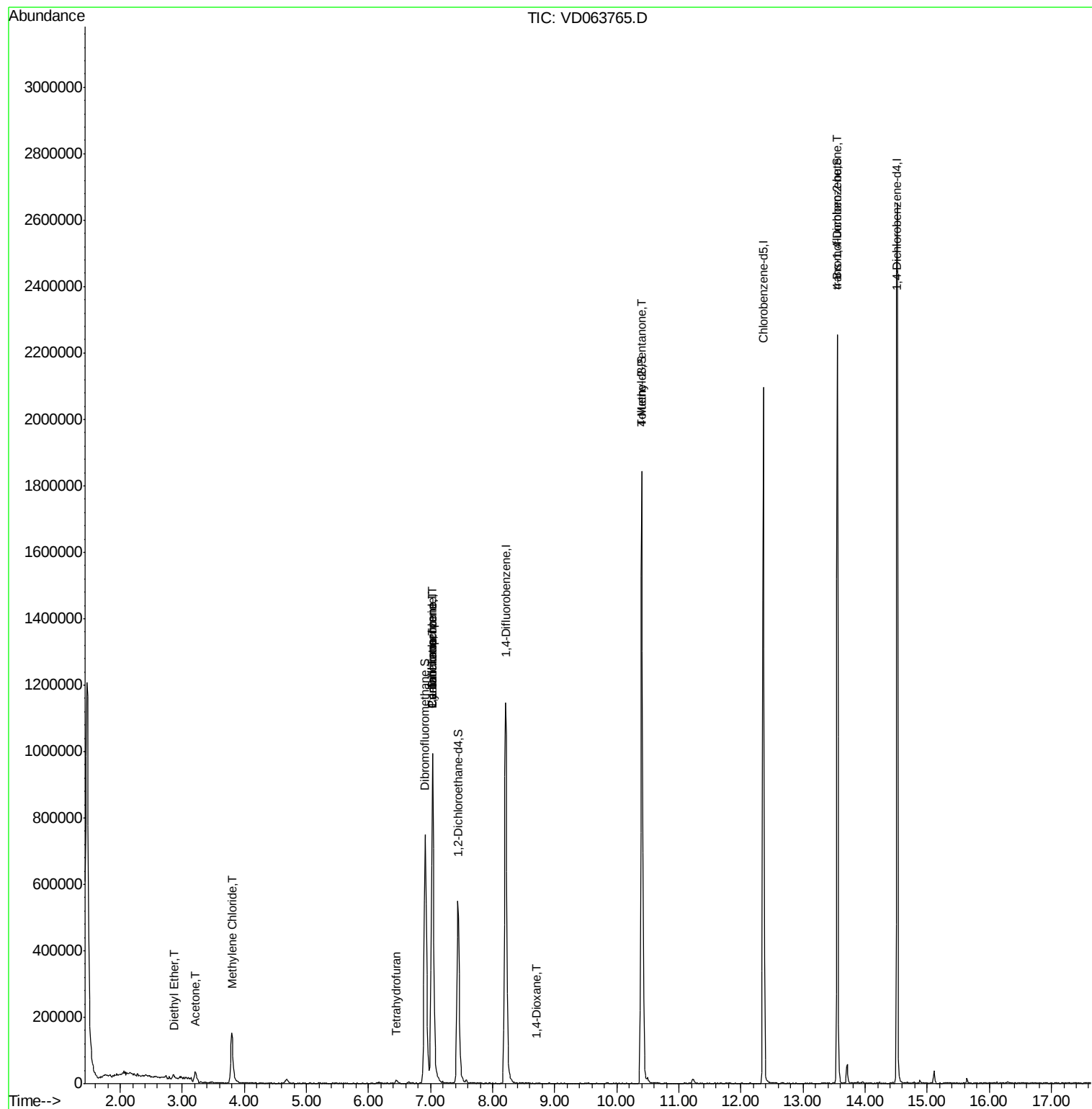
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.86	74	4362	1.762	ug/l	99
16) Acetone	3.21	43	60380	29.172	ug/l	96
20) Methylene Chloride	3.80	84	91745	10.251	ug/l	88
29) Tetrahydrofuran	6.45	42	6667	6.999	ug/l #	80
31) Cyclohexane	7.03	56	19227	2.091	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	72561	6.434	ug/l #	47
38) Carbon Tetrachloride	7.03	117	93395	5.494	ug/l #	17
49) 1,4-Dioxane	8.70	88	232	30.643	ug/l #	1
51) 4-Methyl-2-Pentanone	10.39	43	8582	1.981	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	279858	143.765	ug/l #	1

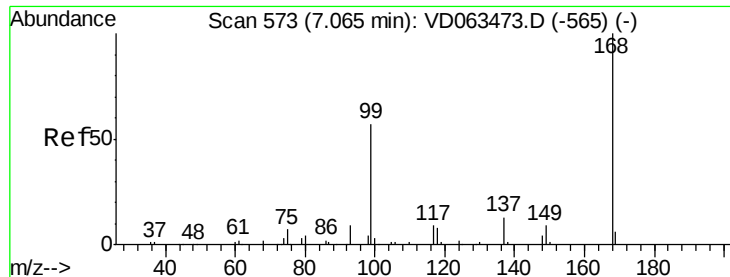
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082319\
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TP-2(3-4)

Quant Time: Aug 26 01:07:05 2019
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: VD063765.D

Acq: 23 Aug 2019 14:44

Instrument :

MSVOA_D

ClientSampleId :

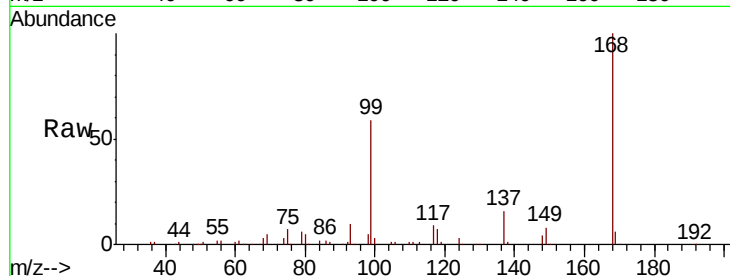
TP-2(3-4)

Tgt Ion:168 Resp: 952539

Ion Ratio Lower Upper

168 100

99 59.4 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

400000

300000

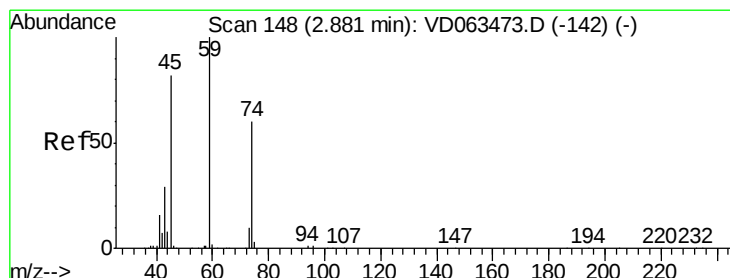
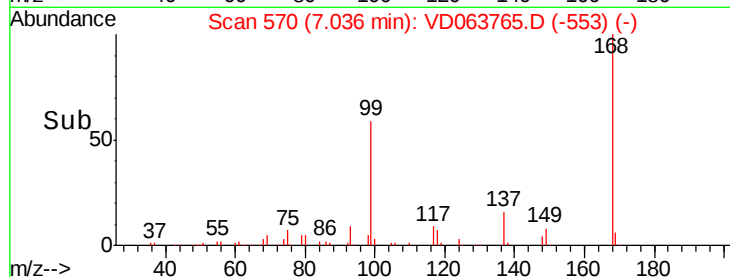
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#8

Diethyl Ether

Concen: 1.762 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD063765.D

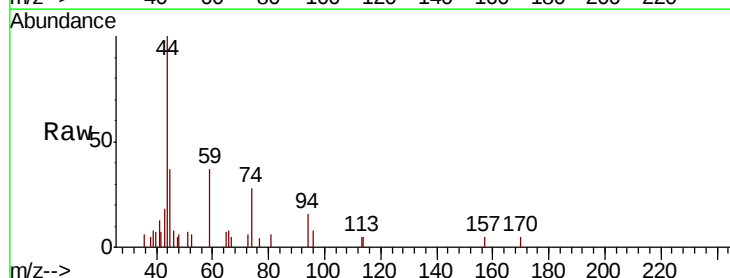
Acq: 23 Aug 2019 14:44

Tgt Ion: 74 Resp: 4362

Ion Ratio Lower Upper

74 100

45 136.0 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

3000

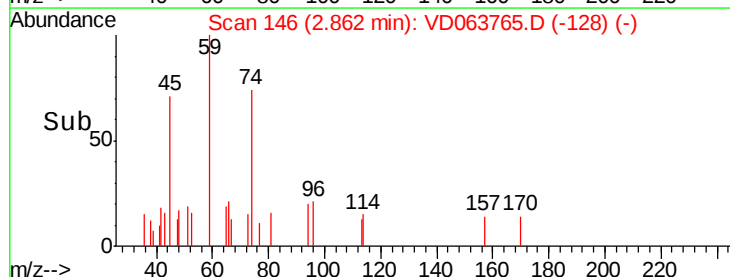
2000

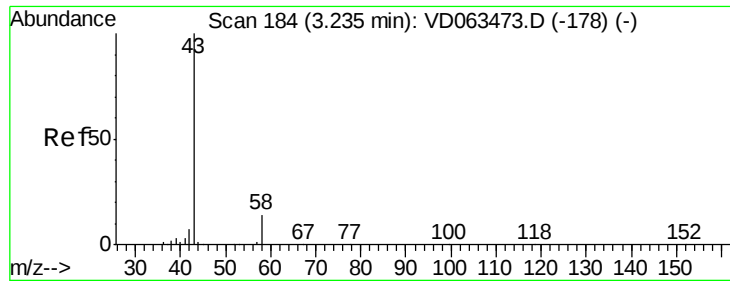
1000

0

Time-->

2.80 2.85 2.90





#16

Acetone

Concen: 29.172 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063765.D

Acq: 23 Aug 2019 14:44

Instrument :

MSVOA_D

ClientSampleId :

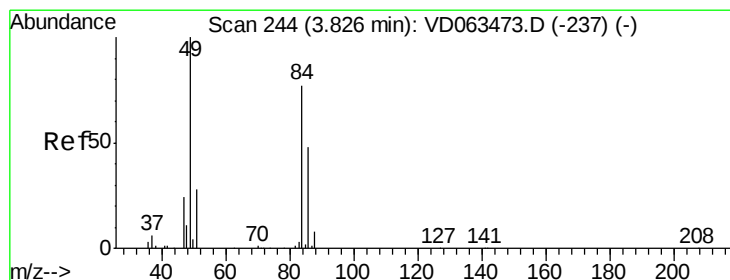
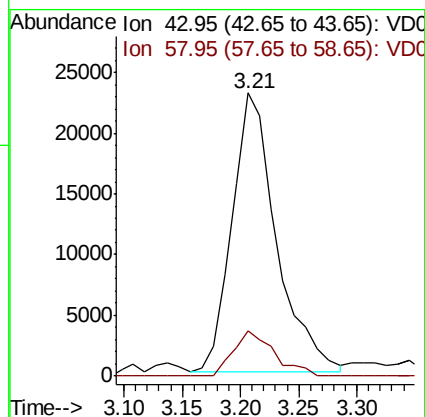
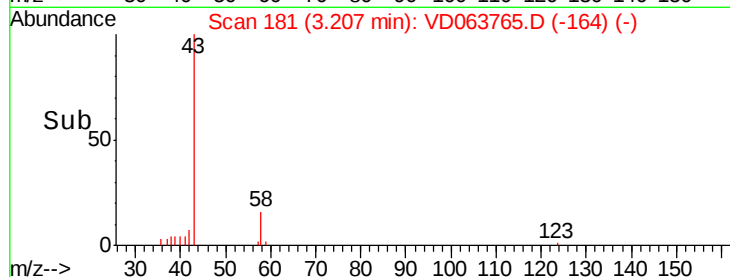
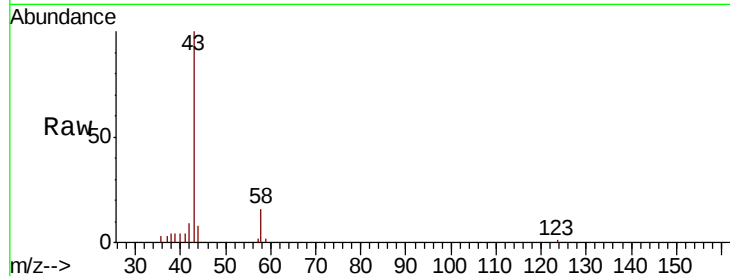
TP-2(3-4)

Tgt Ion: 43 Resp: 60380

Ion Ratio Lower Upper

43 100

58 15.9 11.4 17.2



#20

Methylene Chloride

Concen: 10.251 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.03 min

Lab File: VD063765.D

Acq: 23 Aug 2019 14:44

Tgt Ion: 84 Resp: 91745

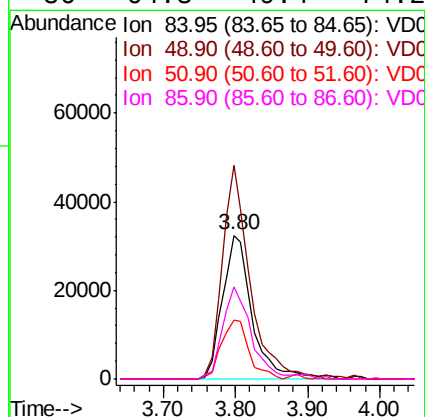
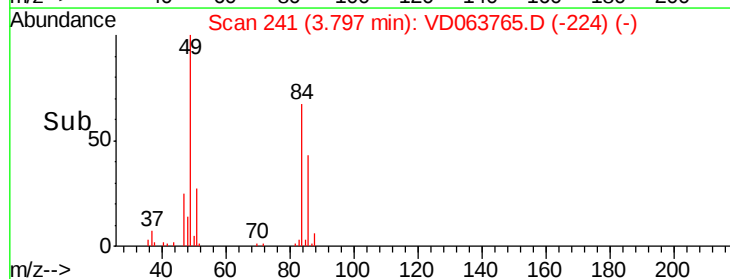
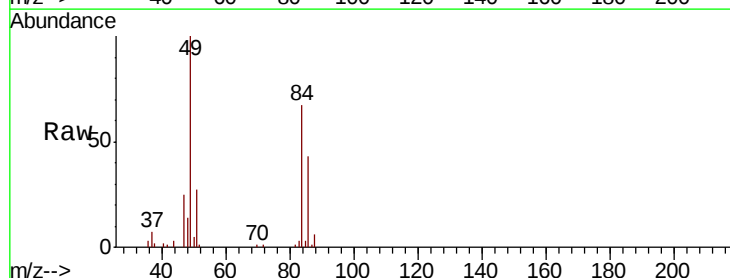
Ion Ratio Lower Upper

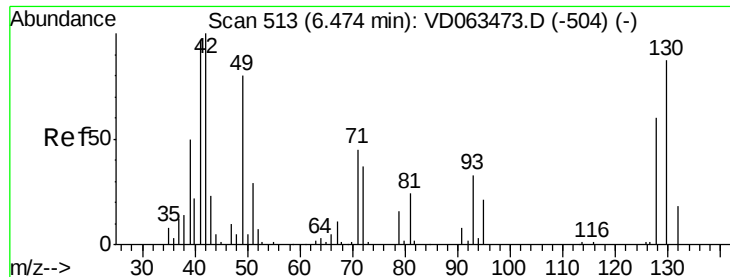
84 100

49 148.5 103.4 155.2

51 40.8 28.5 42.7

86 64.3 49.4 74.2





#29

Tetrahydrofuran

Concen: 6.999 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.03 min

Lab File: VD063765.D

Acq: 23 Aug 2019 14:44

Instrument :

MSVOA_D

ClientSampleId :

TP-2(3-4)

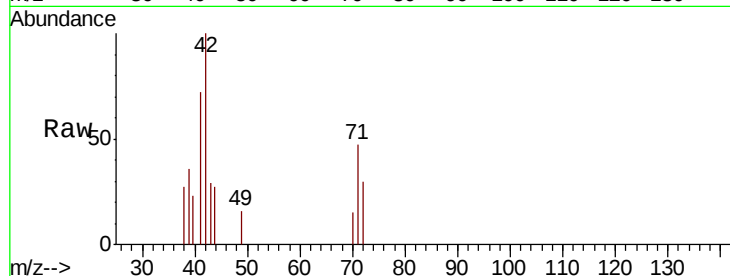
Tgt Ion: 42 Resp: 6667

Ion Ratio Lower Upper

42 100

72 18.2 31.5 47.3#

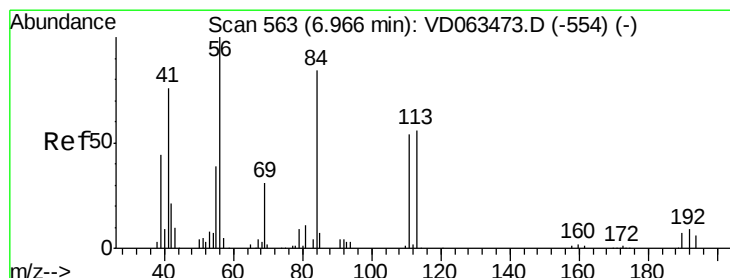
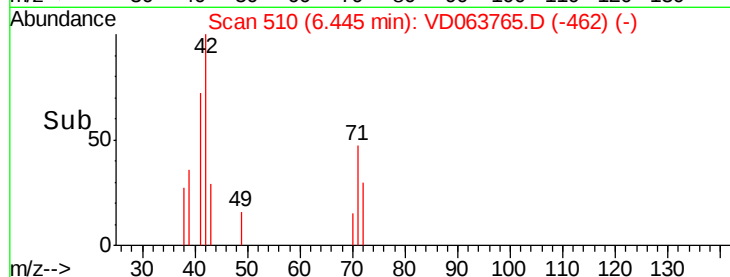
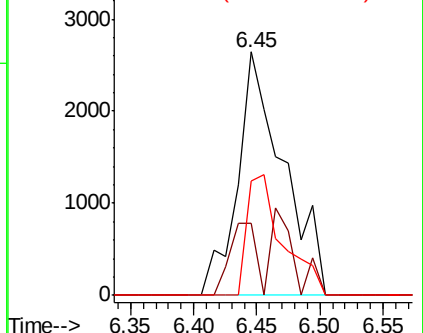
71 38.7 33.8 50.8



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: 2.091 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.06 min

Lab File: VD063765.D

Acq: 23 Aug 2019 14:44

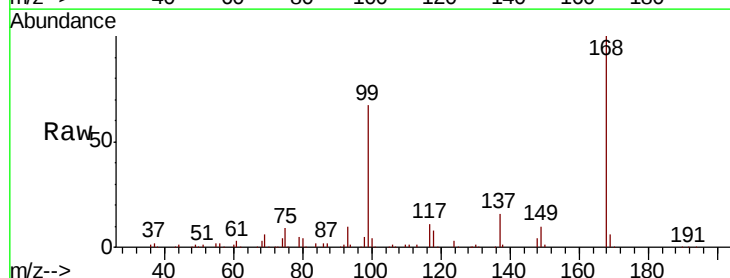
Tgt Ion: 56 Resp: 19227

Ion Ratio Lower Upper

56 100

69 230.0 25.0 37.6#

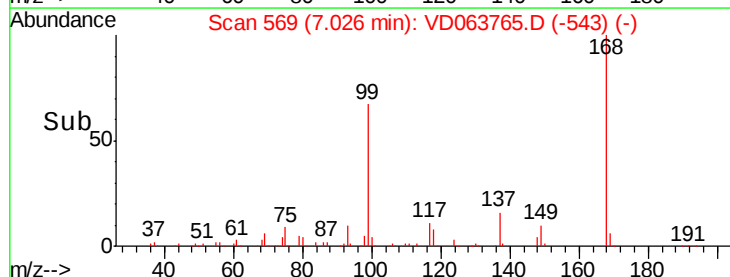
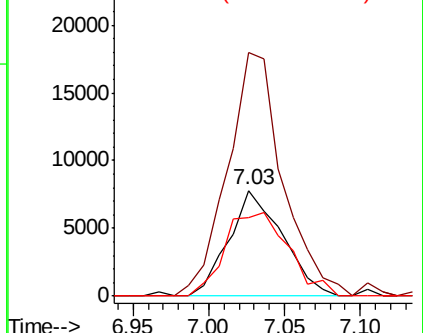
84 73.7 69.7 104.5

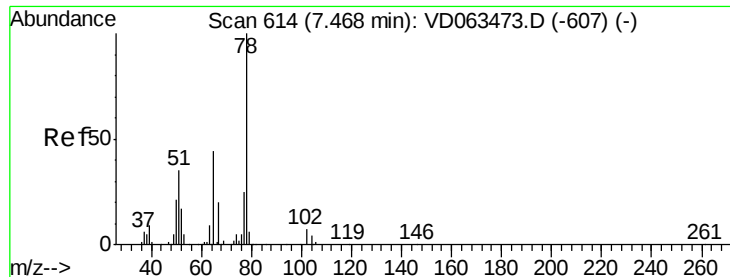


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

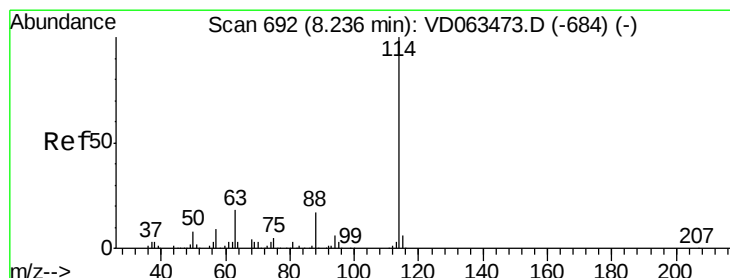
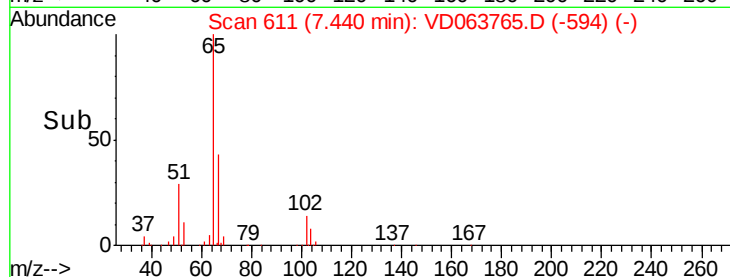
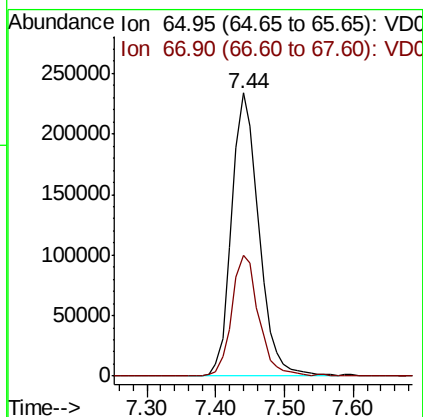
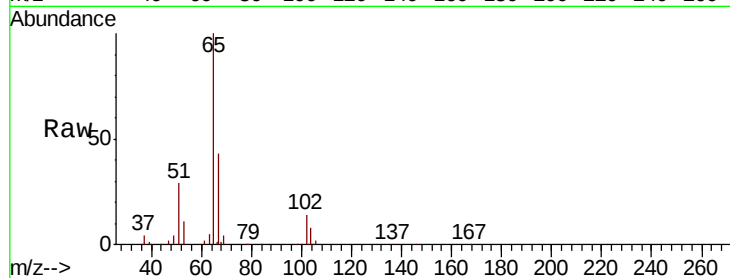




#33
 1,2-Dichloroethane-d4
 Concen: 63.095 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063765.D
 Acq: 23 Aug 2019 14:44

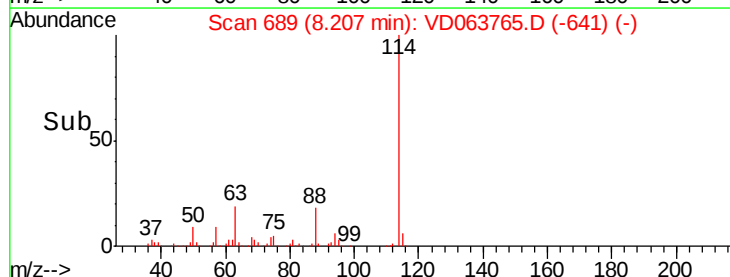
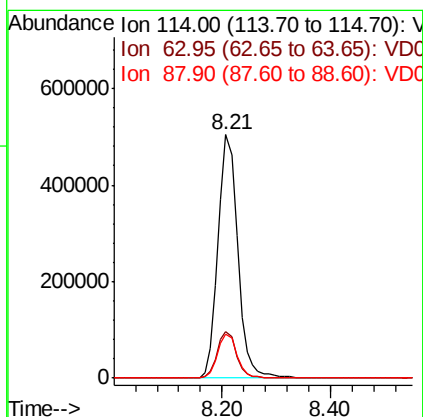
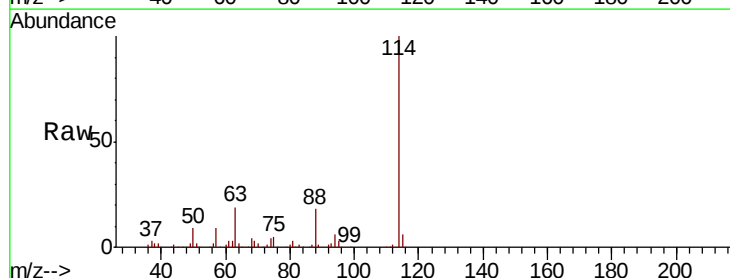
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2(3-4)

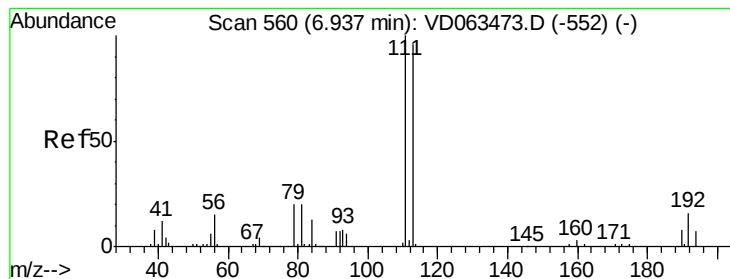
Tgt Ion: 65 Resp: 642430
 Ion Ratio Lower Upper
 65 100
 67 42.8 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063765.D
 Acq: 23 Aug 2019 14:44

Tgt Ion: 114 Resp: 1275829
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 36.2
 88 17.9 0.0 35.0





#35

Dibromofluoromethane

Concen: 63.866 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063765.D

Acq: 23 Aug 2019 14:44

Instrument :

MSVOA_D

ClientSampleId :

TP-2(3-4)

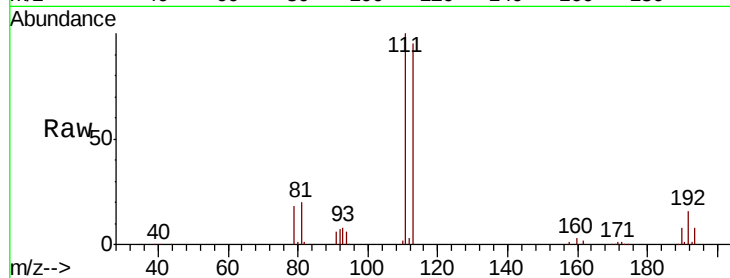
Tgt Ion:113 Resp: 686249

Ion Ratio Lower Upper

113 100

111 105.5 83.1 124.7

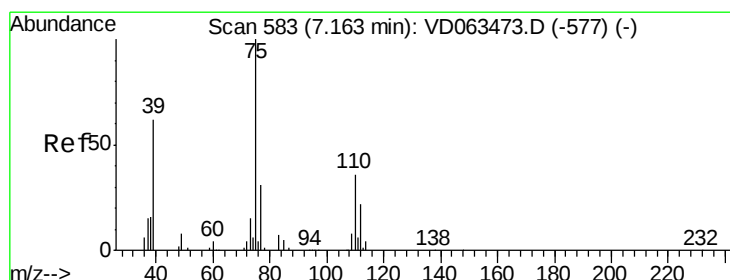
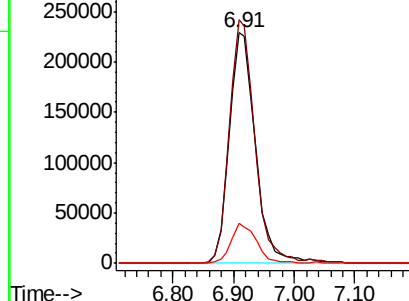
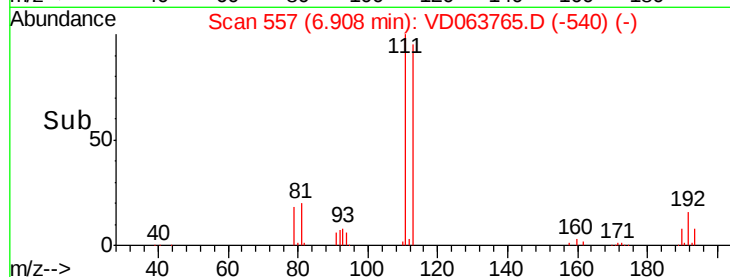
192 17.1 13.1 19.7



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: 6.434 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.14 min

Lab File: VD063765.D

Acq: 23 Aug 2019 14:44

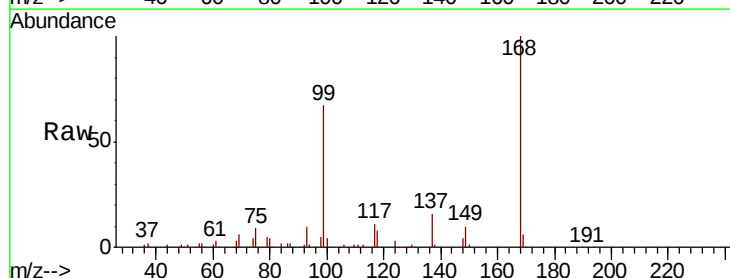
Tgt Ion: 75 Resp: 72561

Ion Ratio Lower Upper

75 100

110 5.9 17.6 52.8#

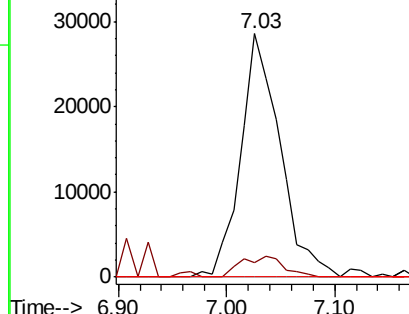
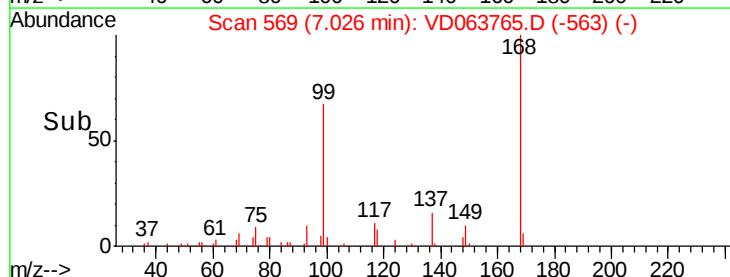
77 0.0 24.3 36.5#

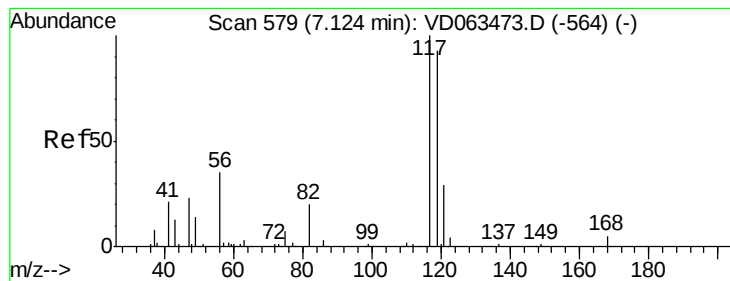


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.494 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063765.D

Acq: 23 Aug 2019 14:44

Instrument :

MSVOA_D

ClientSampleId :

TP-2(3-4)

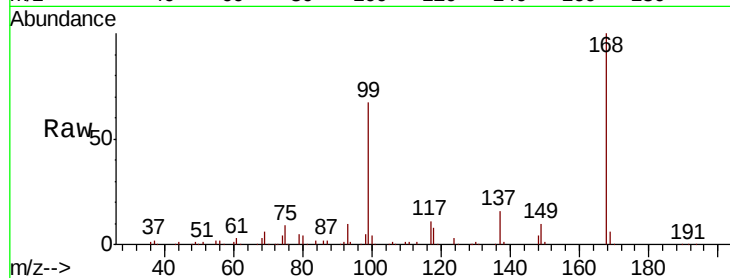
Tgt Ion:117 Resp: 93395

Ion Ratio Lower Upper

117 100

119 4.3 74.2 111.2#

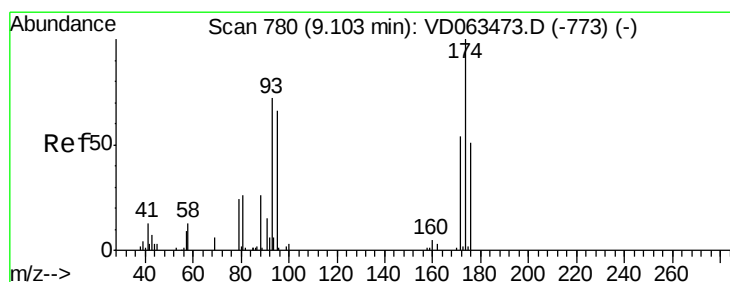
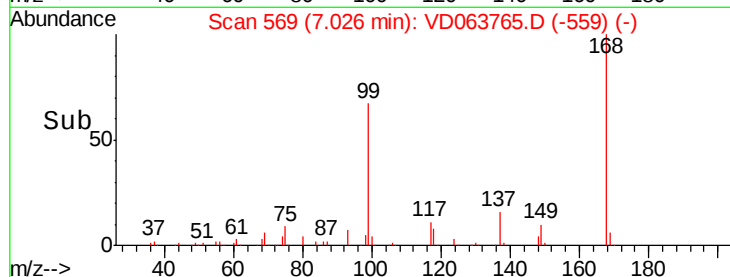
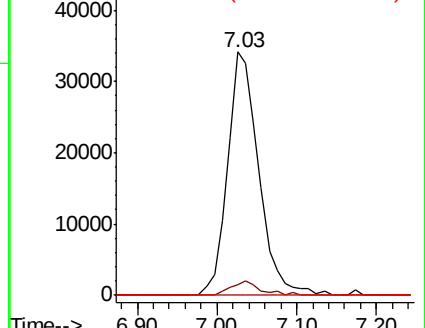
121 0.0 23.1 34.7#



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



#49

1,4-Dioxane

Concen: 30.643 ug/l

RT: 8.70 min Scan# 739

Delta R.T. -0.40 min

Lab File: VD063765.D

Acq: 23 Aug 2019 14:44

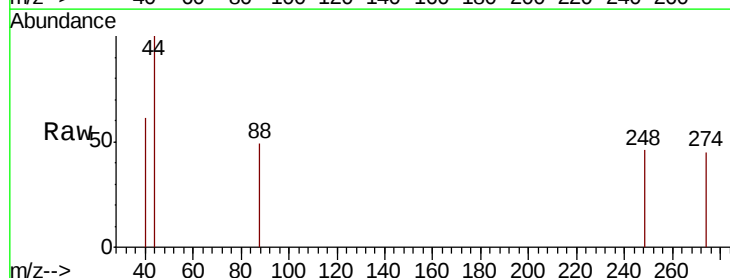
Tgt Ion: 88 Resp: 232

Ion Ratio Lower Upper

88 100

43 205.9 22.9 34.3#

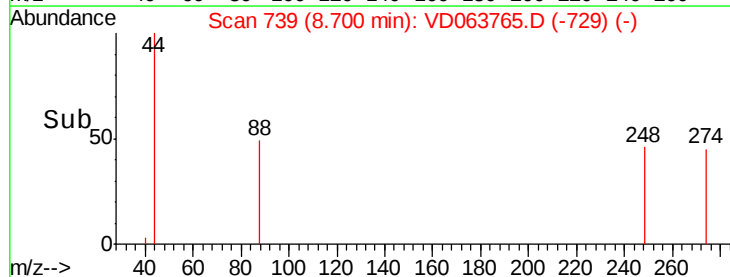
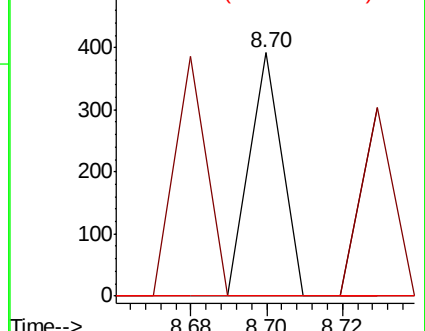
58 0.0 40.1 60.1#

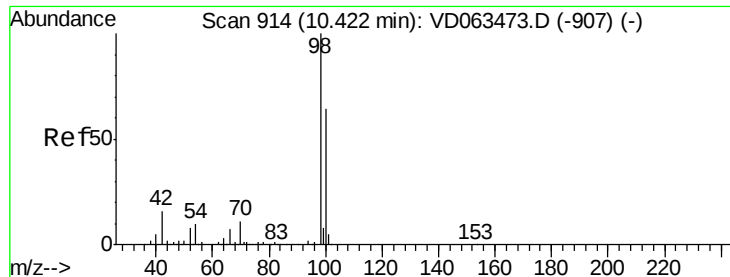


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

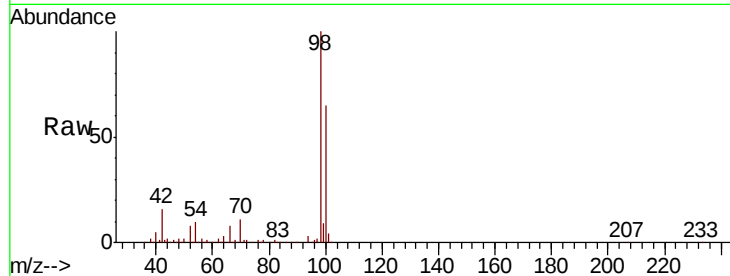




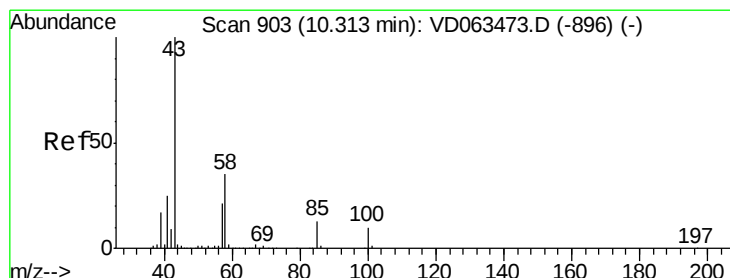
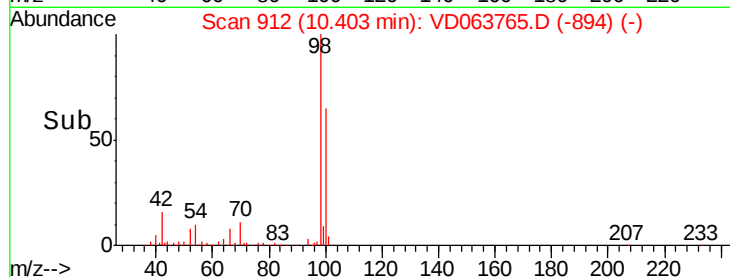
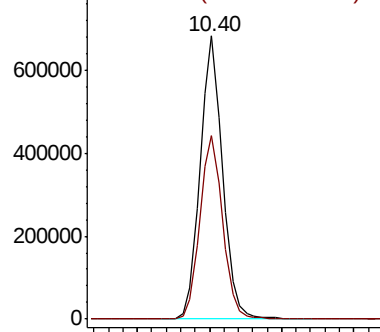
#50
Toluene-d8
Concen: 62.102 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063765.D
Acq: 23 Aug 2019 14:44

Instrument :
MSVOA_D
ClientSampleId :
TP-2(3-4)

Tgt Ion: 98 Resp: 1467076
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5

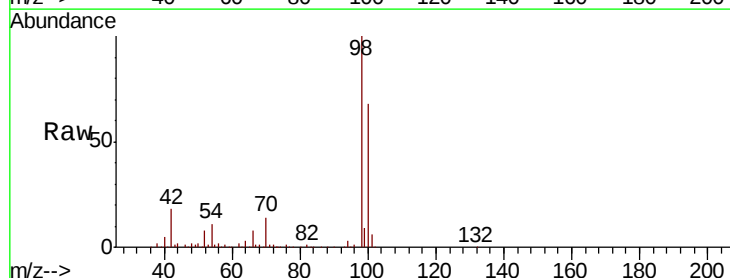


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

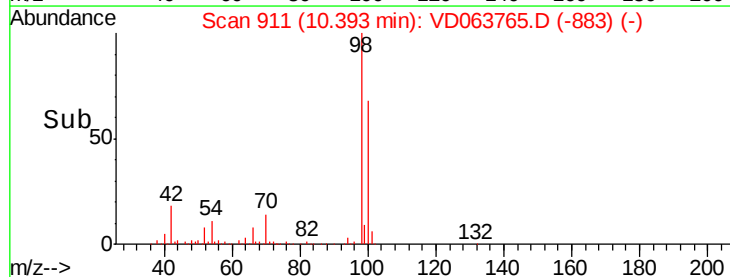
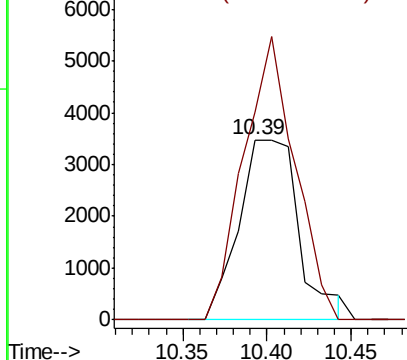


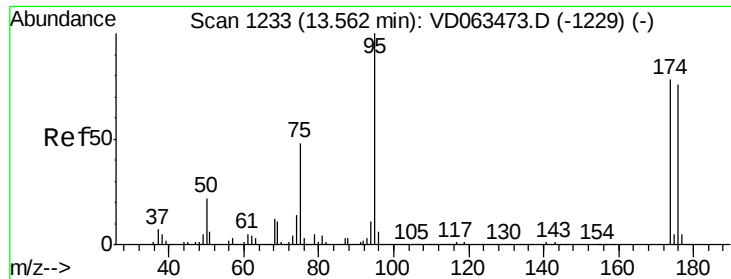
#51
4-Methyl-2-Pentanone
Concen: 1.981 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.08 min
Lab File: VD063765.D
Acq: 23 Aug 2019 14:44

Tgt Ion: 43 Resp: 8582
Ion Ratio Lower Upper
43 100
58 115.6 28.0 42.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

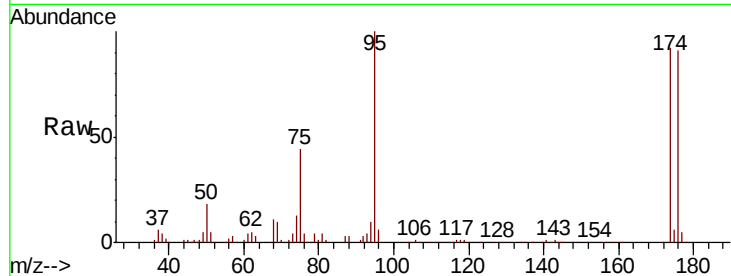




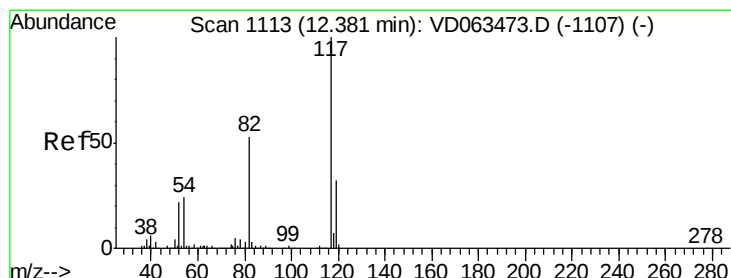
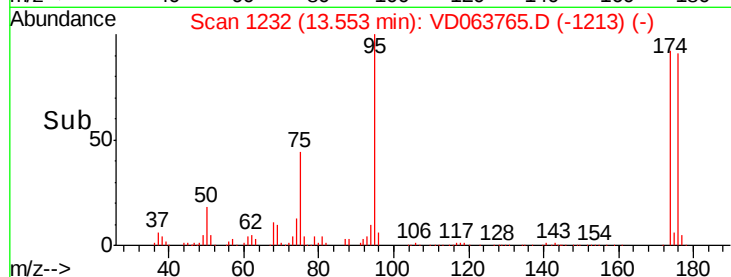
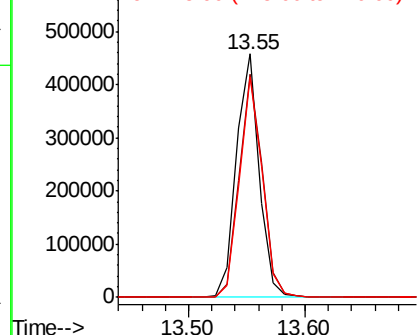
#62
4-Bromofluorobenzene
Concen: 58.041 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063765.D
Acq: 23 Aug 2019 14:44

Instrument :
MSVOA_D
ClientSampleId :
TP-2(3-4)

Tgt Ion: 95 Resp: 621454
Ion Ratio Lower Upper
95 100
174 91.5 0.0 155.4
176 90.8 0.0 152.4

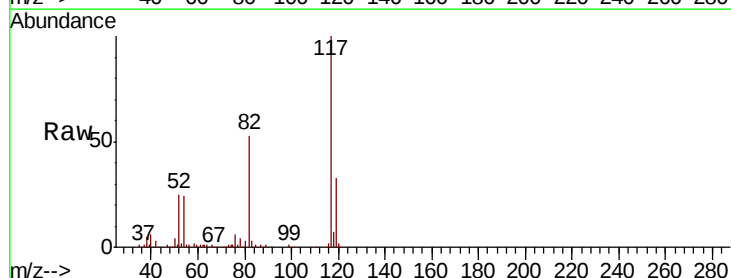


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

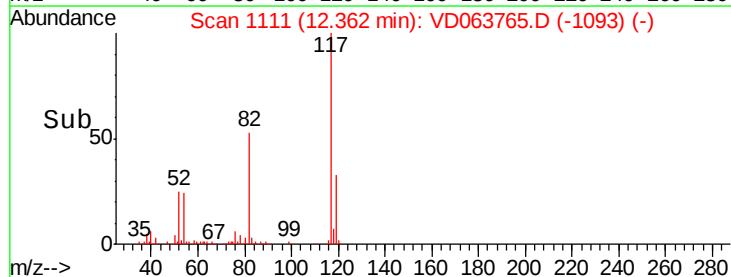
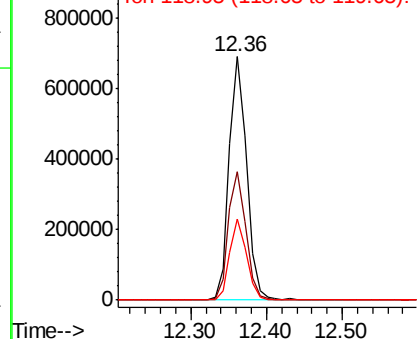


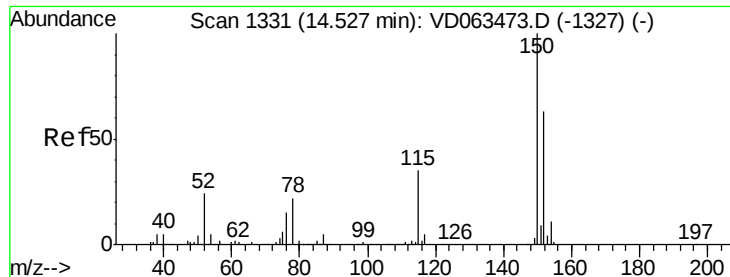
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063765.D
Acq: 23 Aug 2019 14:44

Tgt Ion: 117 Resp: 1108453
Ion Ratio Lower Upper
117 100
82 53.0 42.0 63.0
119 33.5 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: VD063765.D

Acq: 23 Aug 2019 14:44

Instrument :

MSVOA_D

ClientSampleId :

TP-2(3-4)

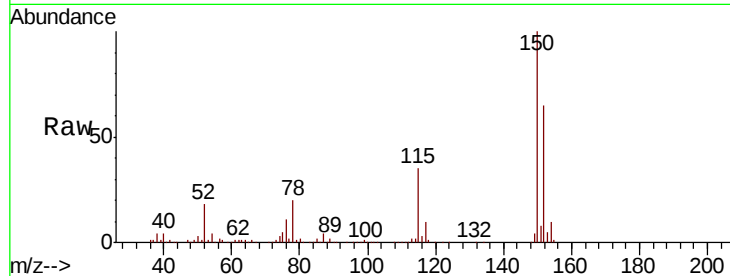
Tgt Ion:152 Resp: 631077

Ion Ratio Lower Upper

152 100

115 53.5 30.9 92.7

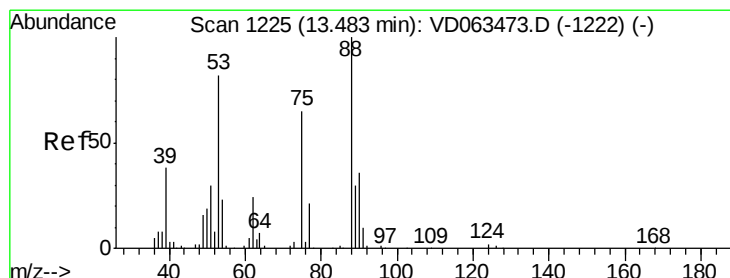
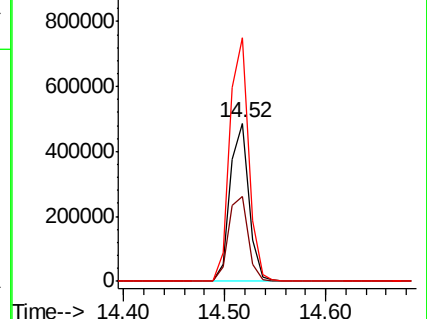
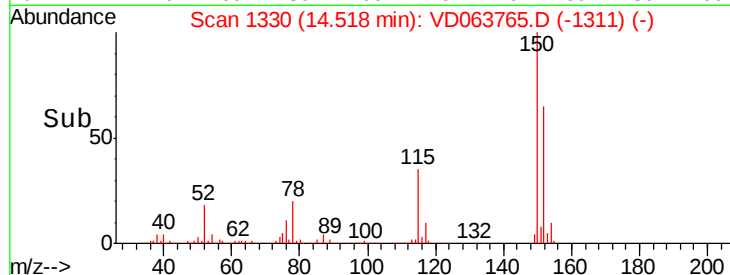
150 154.0 0.0 318.6



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: 143.765 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063765.D

Acq: 23 Aug 2019 14:44

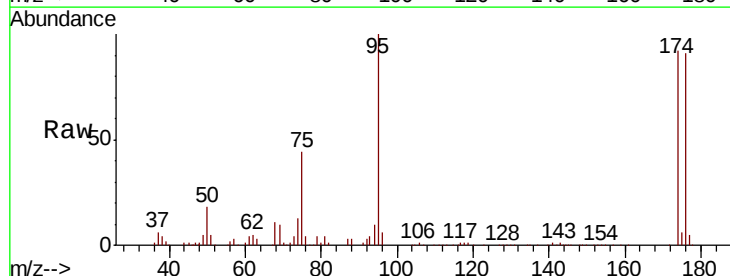
Tgt Ion: 75 Resp: 279858

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

