

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081519\
 Data File : VD063621.D
 Acq On : 15 Aug 2019 22:23
 Operator : JC/SY
 Sample : K4237-08
 Misc : 6.46g/5ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP-X

Quant Time: Aug 16 01:08:07 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	655697	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	930719	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	751000	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	346359	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	552820	78.87	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	157.74%	
35) Dibromofluoromethane	6.90	113	609787	77.79	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	155.58%	
50) Toluene-d8	10.40	98	1151521	66.82	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	133.64%	
62) 4-Bromofluorobenzene	13.55	95	497722	63.72	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	127.44%	

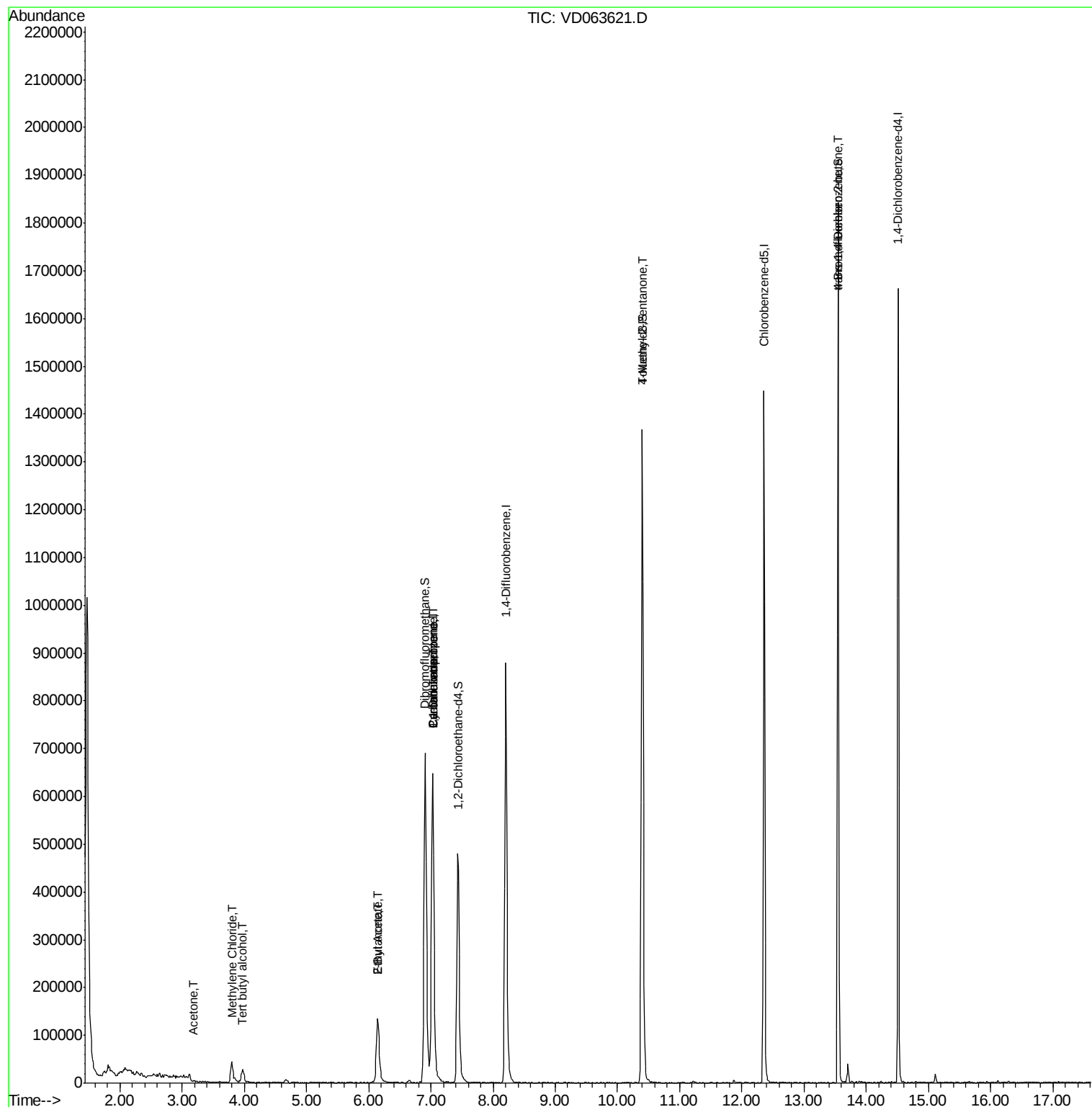
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.97	59	25793	84.536	ug/l #	71
16) Acetone	3.19	43	3367	2.363	ug/l #	65
20) Methylene Chloride	3.79	84	26097	4.236	ug/l	89
25) 2-Butanone	6.15	43	9849	6.999	ug/l #	85
31) Cyclohexane	7.02	56	15633	2.470	ug/l #	30
36) 1,1-Dichloropropene	7.02	75	51765	6.292	ug/l #	51
37) Ethyl Acetate	6.15	43	9849	2.857	ug/l #	16
38) Carbon Tetrachloride	7.03	117	64730	5.220	ug/l #	15
51) 4-Methyl-2-Pentanone	10.40	43	7831	2.478	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	234139	219.151	ug/l #	1

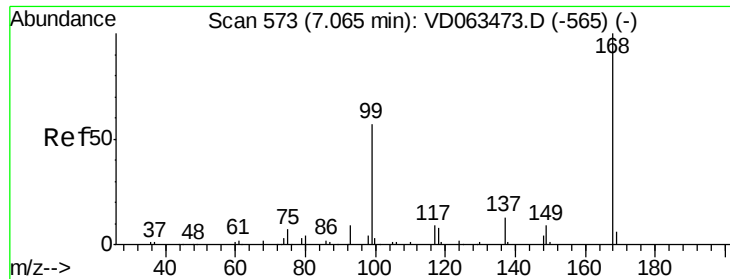
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081519\
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Quant Time: Aug 16 01:08:07 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: 7.03 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD063621.D

Acq: 15 Aug 2019 22:23

Instrument :

MSVOA_D

ClientSampleId :

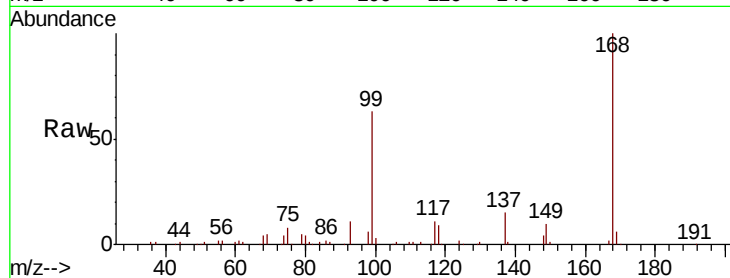
DUP-X

Tgt Ion:168 Resp: 655697

Ion Ratio Lower Upper

168 100

99 63.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

100000

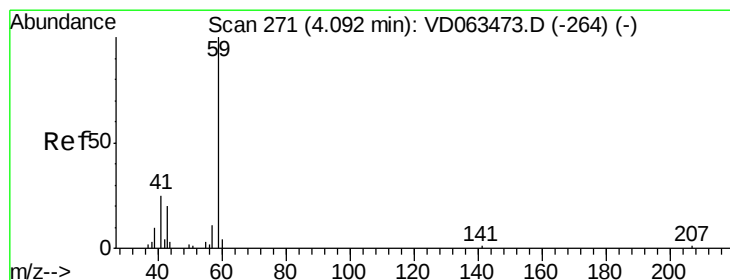
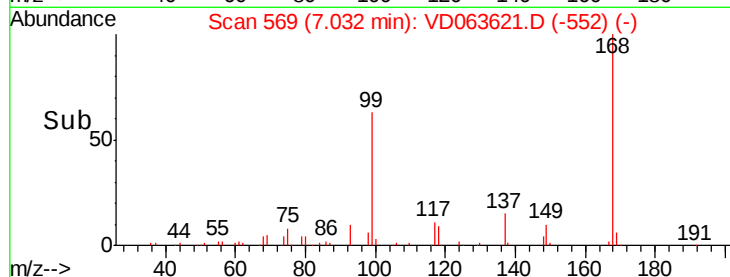
50000

0

7.00

7.20

Time-->



#11

Tert butyl alcohol

Concen: 84.536 ug/l

RT: 3.97 min Scan# 258

Delta R.T. -0.12 min

Lab File: VD063621.D

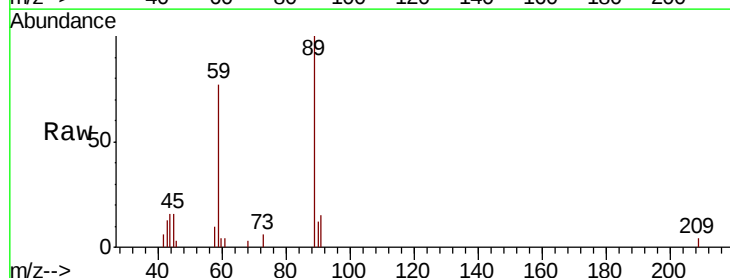
Acq: 15 Aug 2019 22:23

Tgt Ion: 59 Resp: 25793

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

3.97

8000

6000

4000

2000

0

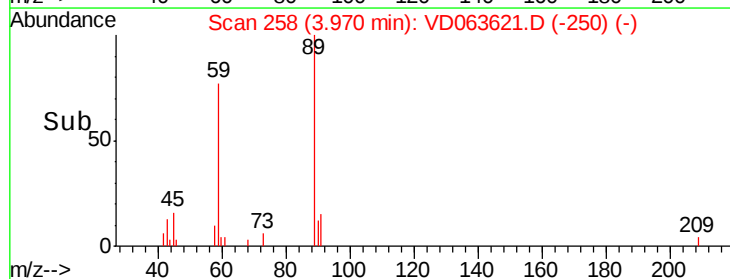
3.80

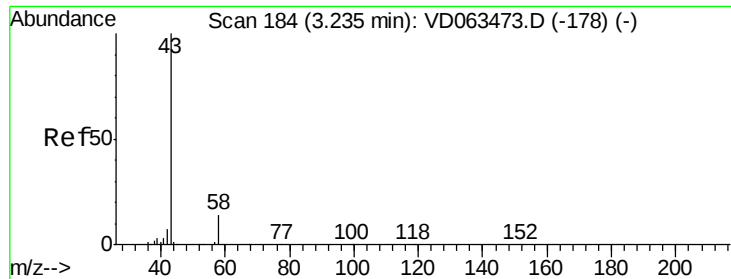
3.90

4.00

4.10

Time-->





#16

Acetone

Concen: 2.363 ug/l

RT: 3.19 min Scan# 179

Delta R.T. -0.04 min

Lab File: VD063621.D

Acq: 15 Aug 2019 22:23

Instrument :

MSVOA_D

ClientSampleId :

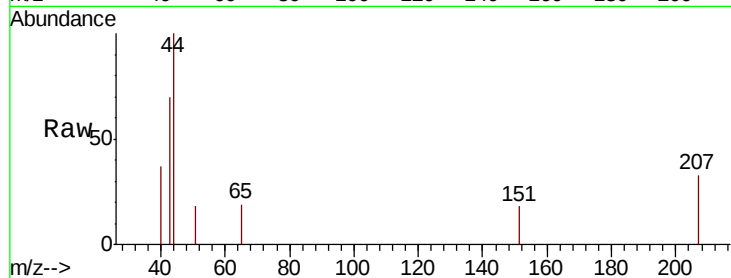
DUP-X

Tgt Ion: 43 Resp: 3367

Ion Ratio Lower Upper

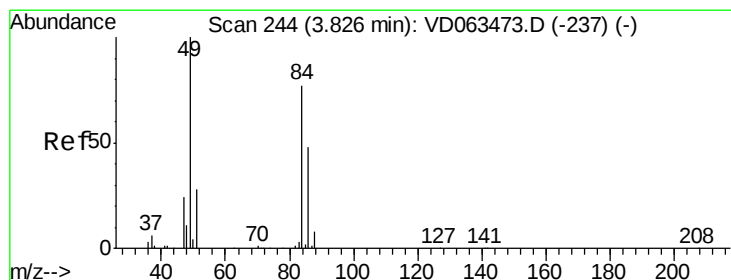
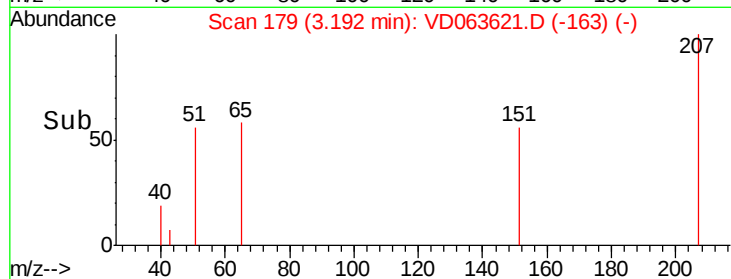
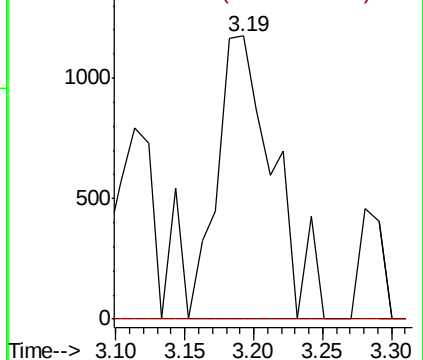
43 100

58 0.0 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: 4.236 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.03 min

Lab File: VD063621.D

Acq: 15 Aug 2019 22:23

Tgt Ion: 84 Resp: 26097

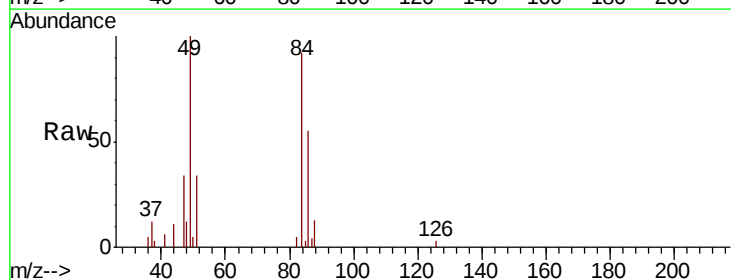
Ion Ratio Lower Upper

84 100

49 108.9 103.4 155.2

51 37.5 28.5 42.7

86 59.8 49.4 74.2

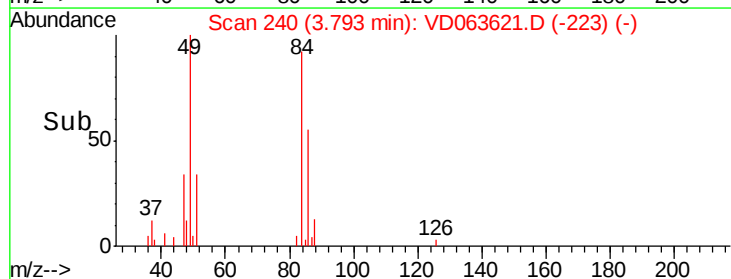
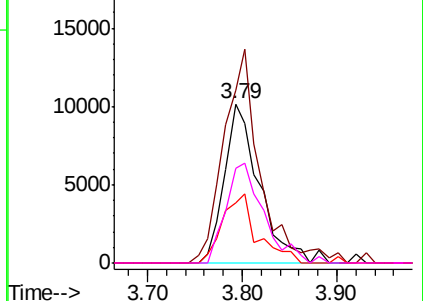


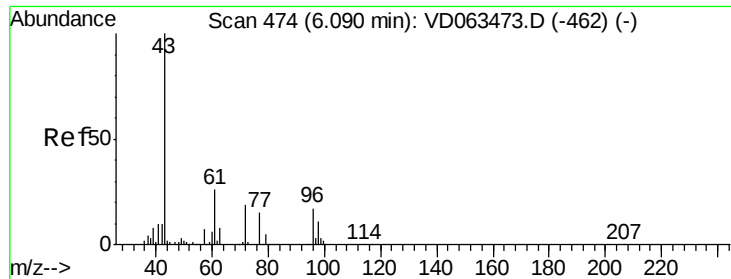
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

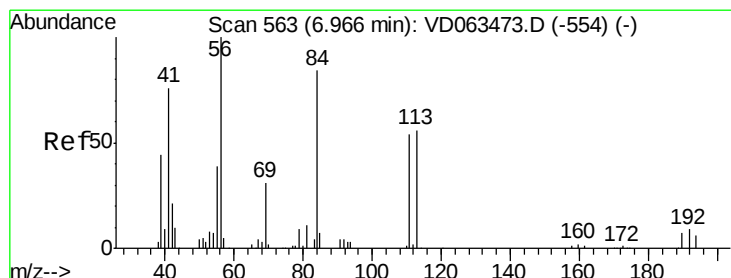
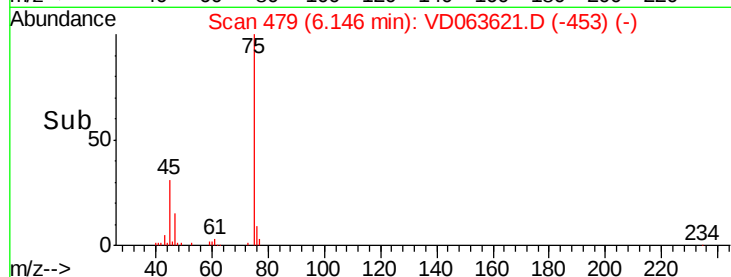
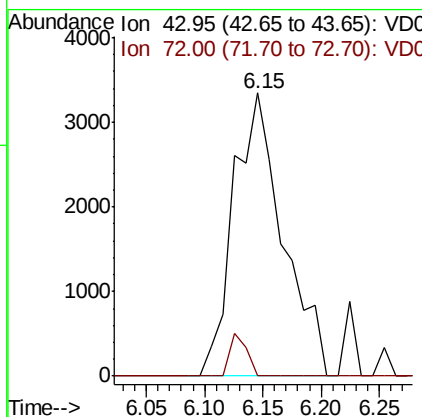
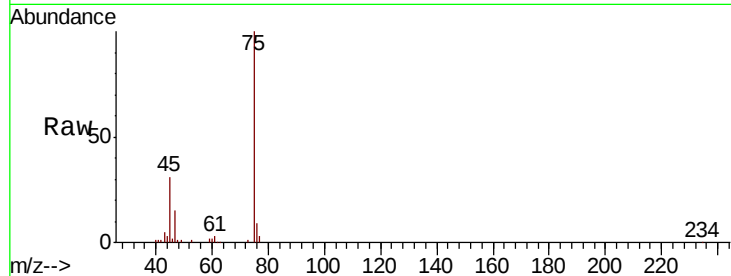




#25
2-Butanone
Concen: 6.999 ug/l
RT: 6.15 min Scan# 479
Delta R.T. 0.06 min
Lab File: VD063621.D
Acq: 15 Aug 2019 22:23

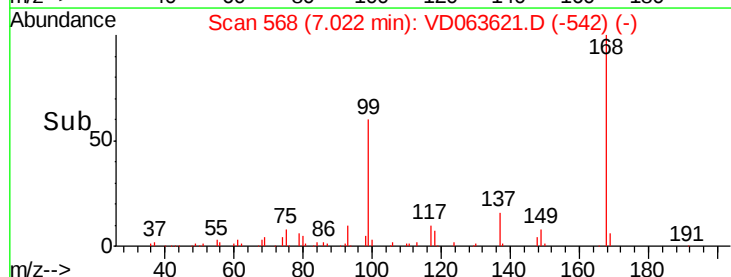
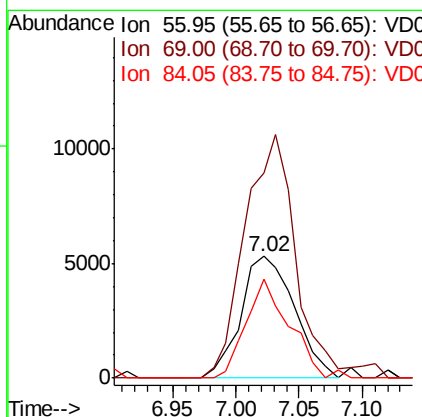
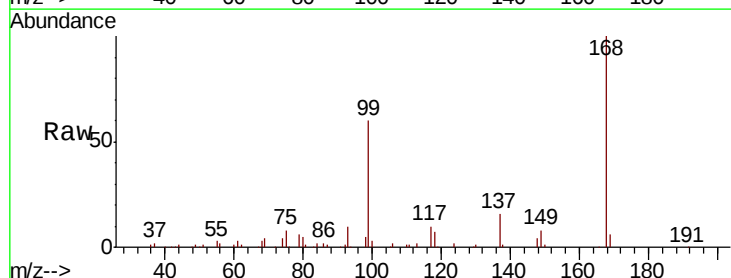
Instrument :
MSVOA_D
ClientSampleId :
DUP-X

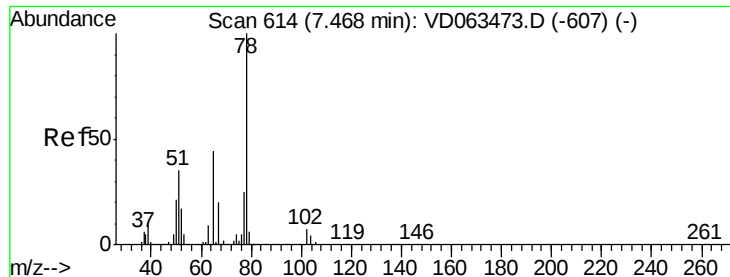
Tgt Ion: 43 Resp: 9849
Ion Ratio Lower Upper
43 100
72 12.1 15.1 22.7#



#31
Cyclohexane
Concen: 2.470 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.06 min
Lab File: VD063621.D
Acq: 15 Aug 2019 22:23

Tgt Ion: 56 Resp: 15633
Ion Ratio Lower Upper
56 100
69 168.4 25.0 37.6#
84 81.9 69.7 104.5

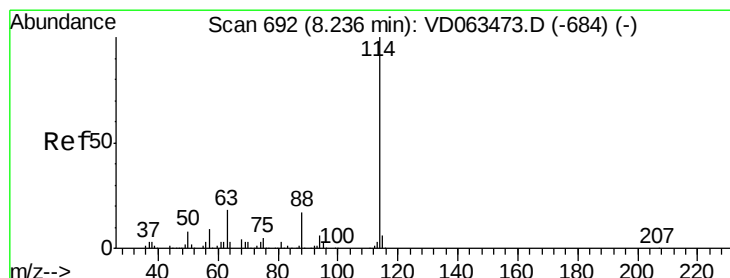
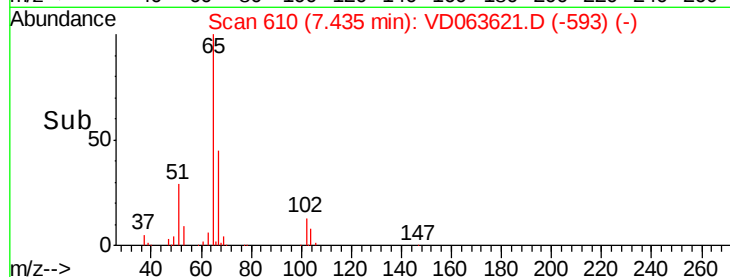
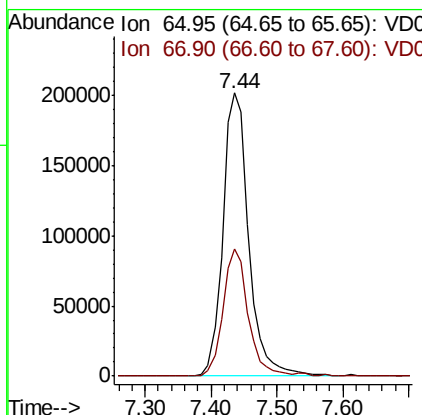
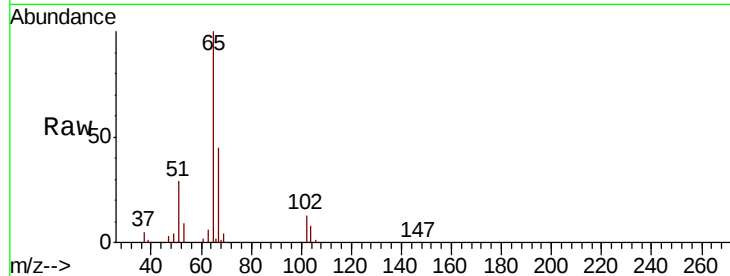




#33
 1,2-Dichloroethane-d4
 Concen: 78.874 ug/l
 RT: 7.44 min Scan# 610
 Delta R.T. -0.03 min
 Lab File: VD063621.D
 Acq: 15 Aug 2019 22:23

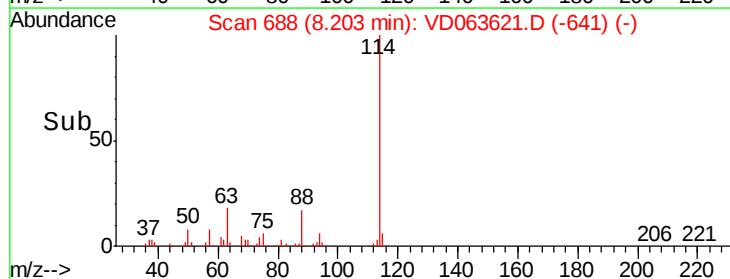
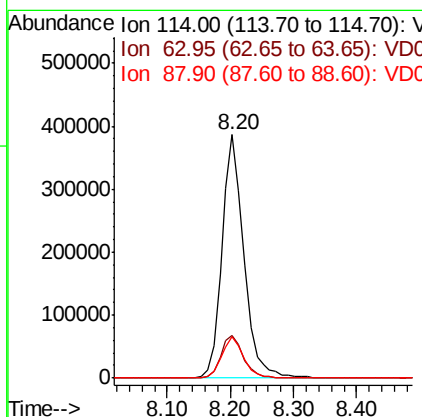
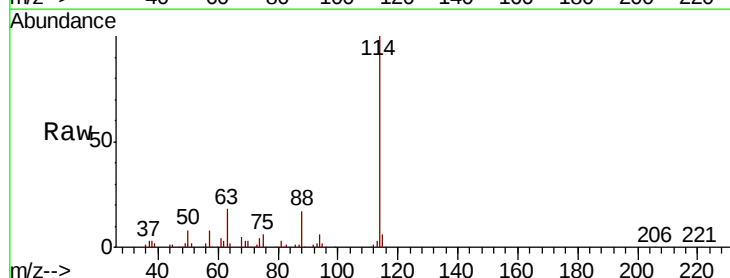
Instrument :
 MSVOA_D
 ClientSampleID :
 DUP-X

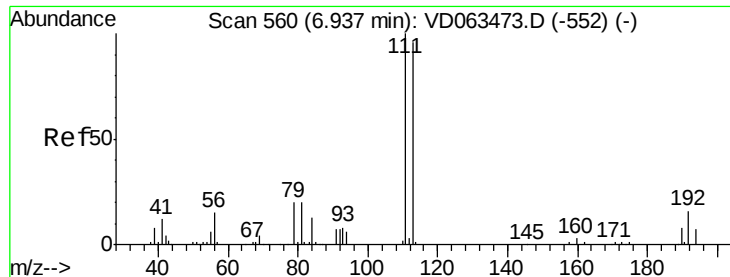
Tgt Ion: 65 Resp: 552820
 Ion Ratio Lower Upper
 65 100
 67 45.0 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.03 min
 Lab File: VD063621.D
 Acq: 15 Aug 2019 22:23

Tgt Ion: 114 Resp: 930719
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 36.2
 88 17.2 0.0 35.0

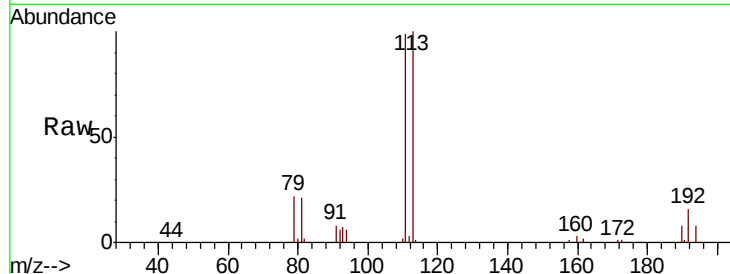




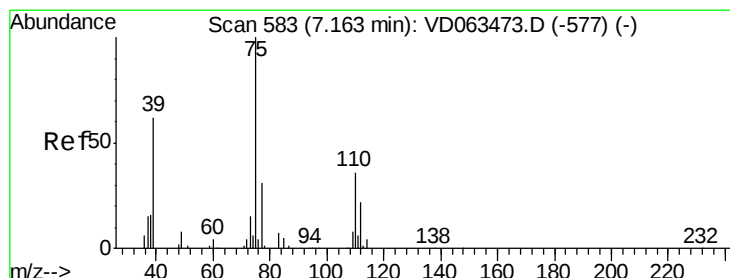
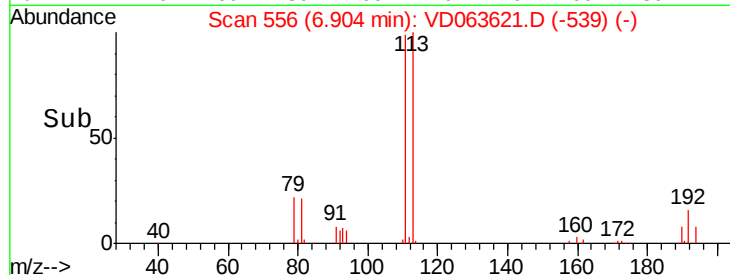
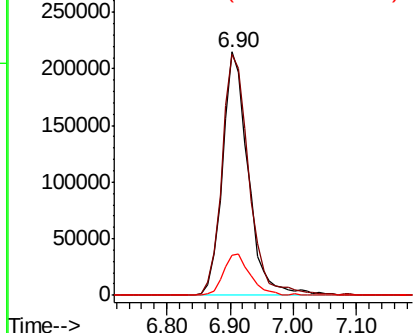
#35
 Dibromofluoromethane
 Concen: 77.793 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD063621.D
 Acq: 15 Aug 2019 22:23

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP-X

Tgt Ion: 113 Resp: 609787
 Ion Ratio Lower Upper
 113 100
 111 99.0 83.1 124.7
 192 16.4 13.1 19.7

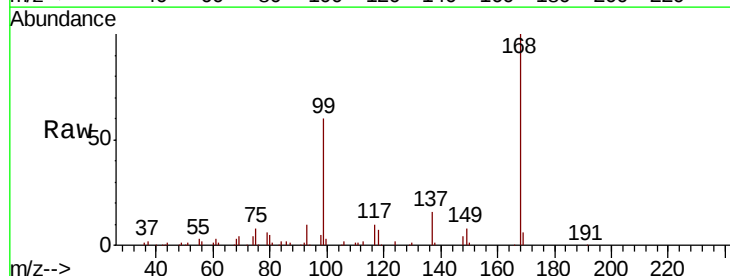


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

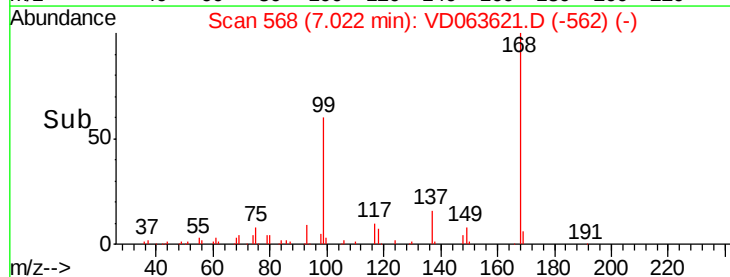
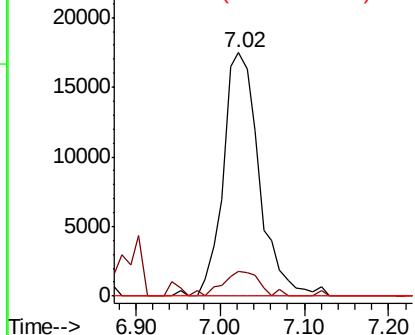


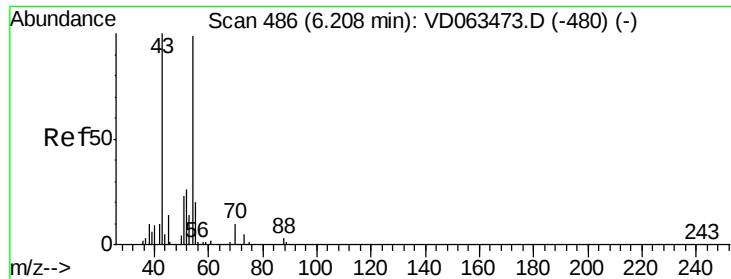
#36
 1,1-Dichloropropene
 Concen: 6.292 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.14 min
 Lab File: VD063621.D
 Acq: 15 Aug 2019 22:23

Tgt Ion: 75 Resp: 51765
 Ion Ratio Lower Upper
 75 100
 110 10.4 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





#37

Ethyl Acetate

Concen: 2.857 ug/l

RT: 6.15 min Scan# 479

Delta R.T. -0.06 min

Lab File: VD063621.D

Acq: 15 Aug 2019 22:23

Instrument :

MSVOA_D

ClientSampleId :

DUP-X

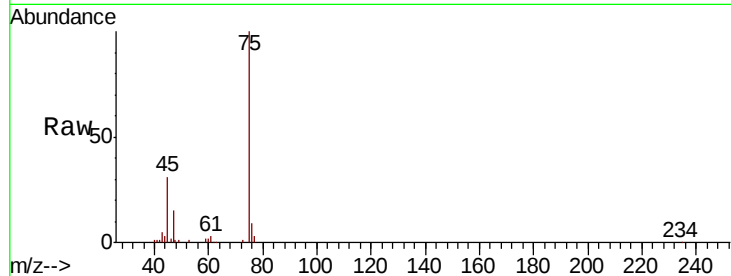
Tgt Ion: 43 Resp: 9849

Ion Ratio Lower Upper

43 100

61 61.1 9.0 13.6#

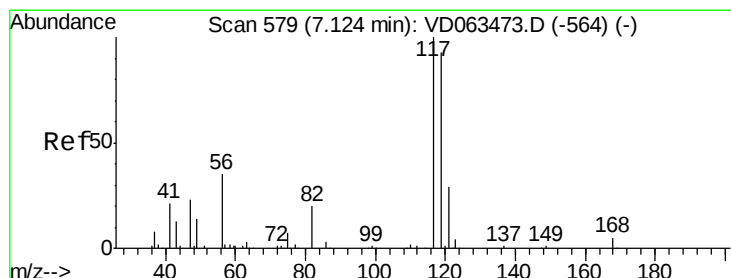
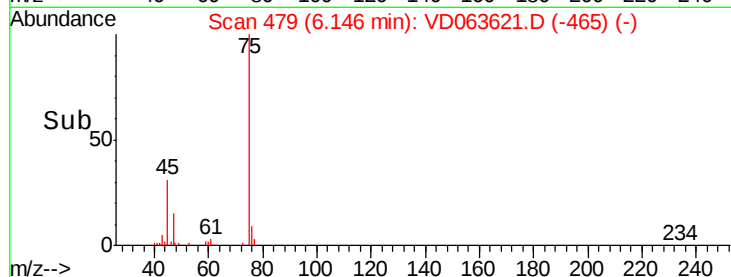
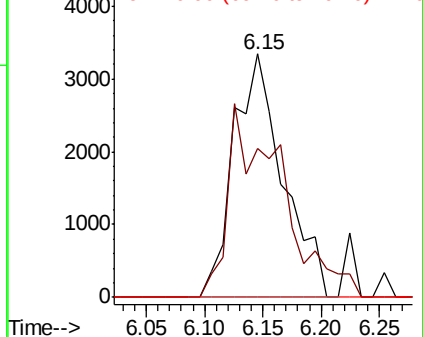
70 0.0 6.9 10.3#



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: 5.220 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD063621.D

Acq: 15 Aug 2019 22:23

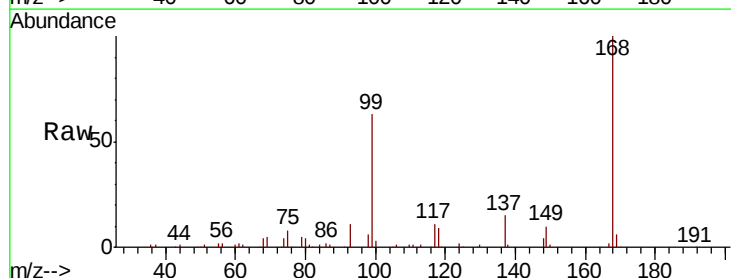
Tgt Ion: 117 Resp: 64730

Ion Ratio Lower Upper

117 100

119 2.5 74.2 111.2#

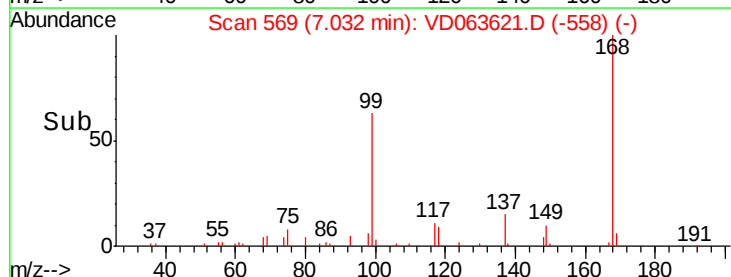
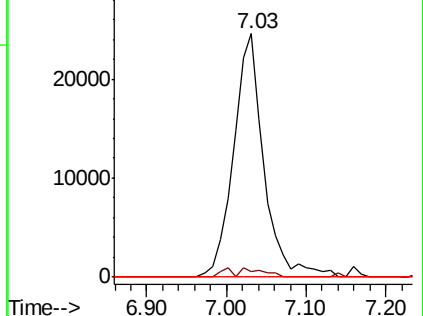
121 0.0 23.1 34.7#

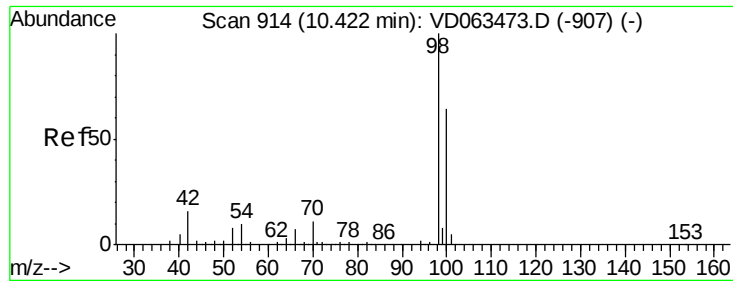


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

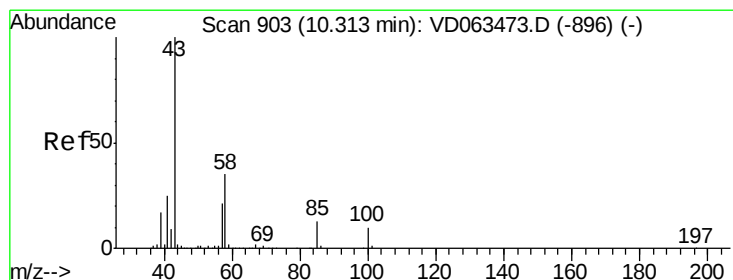
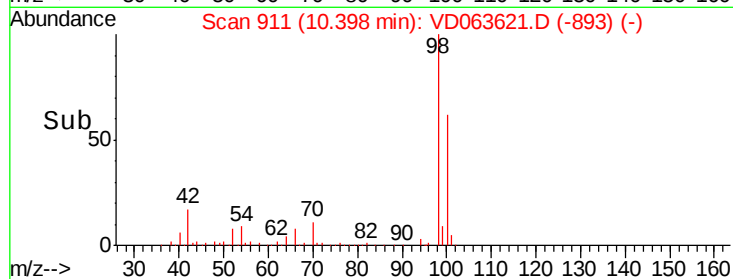
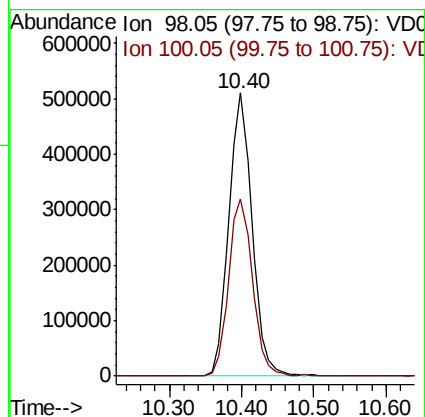
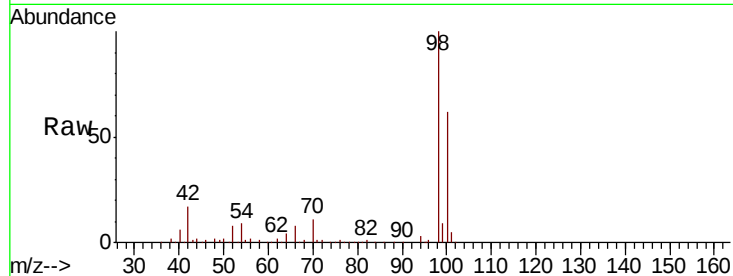




#50
Toluene-d8
Concen: 66.819 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD063621.D
Acq: 15 Aug 2019 22:23

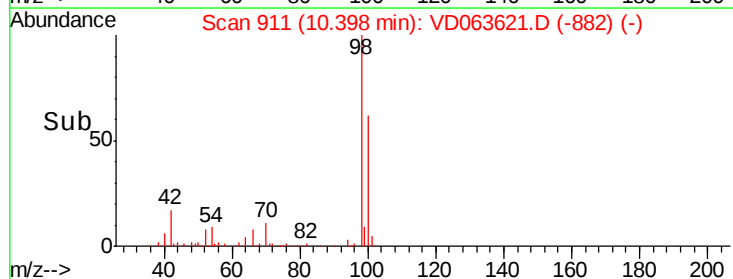
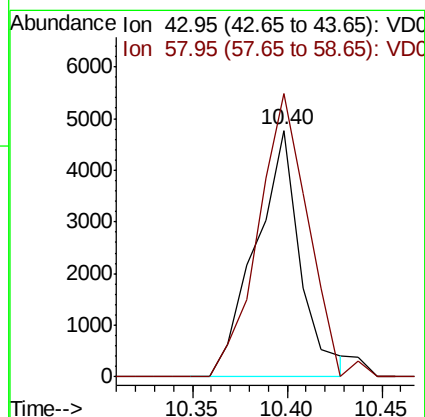
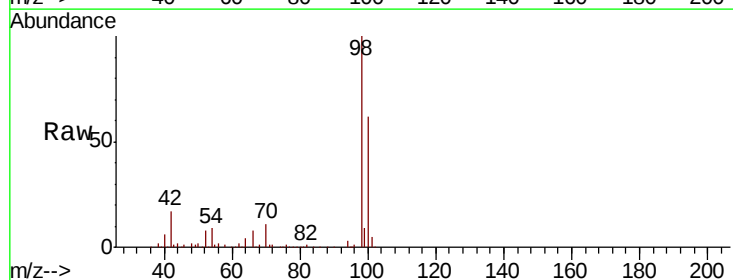
Instrument :
MSVOA_D
ClientSampleId :
DUP-X

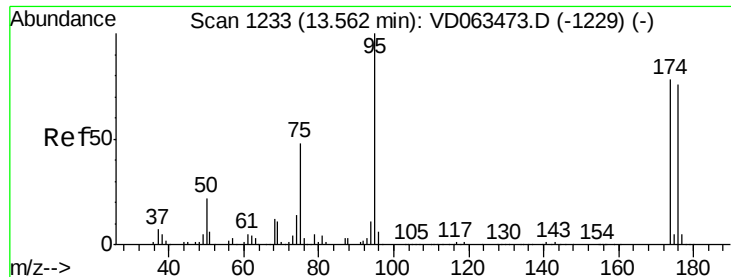
Tgt Ion: 98 Resp: 1151521
Ion Ratio Lower Upper
98 100
100 62.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 2.478 ug/l
RT: 10.40 min Scan# 911
Delta R.T. 0.08 min
Lab File: VD063621.D
Acq: 15 Aug 2019 22:23

Tgt Ion: 43 Resp: 7831
Ion Ratio Lower Upper
43 100
58 114.8 28.0 42.0#

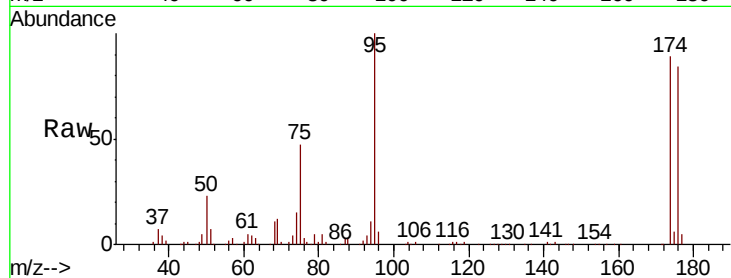




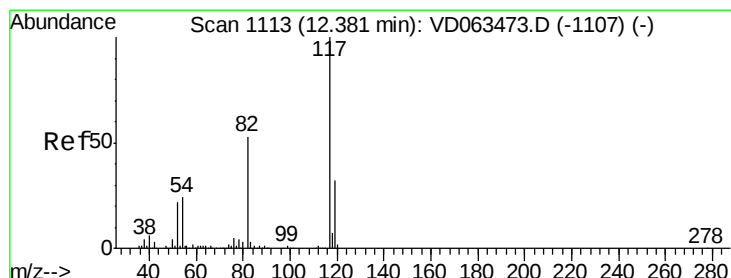
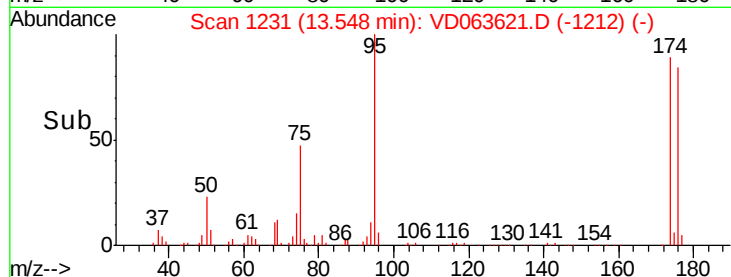
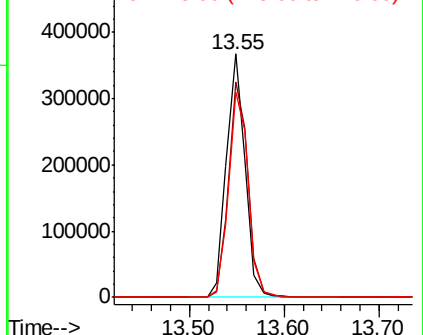
#62
4-Bromofluorobenzene
Concen: 63.721 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063621.D
Acq: 15 Aug 2019 22:23

Instrument :
MSVOA_D
ClientSampleID :
DUP-X

Tgt Ion: 95 Resp: 497722
Ion Ratio Lower Upper
95 100
174 88.6 0.0 155.4
176 84.1 0.0 152.4

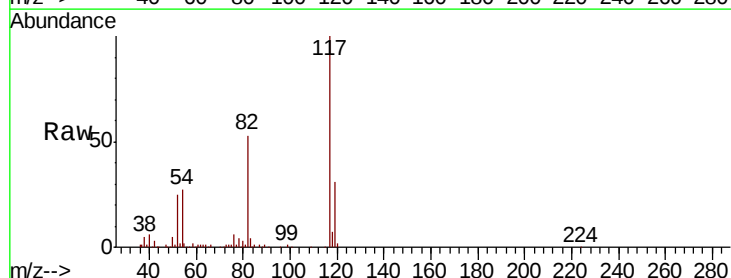


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

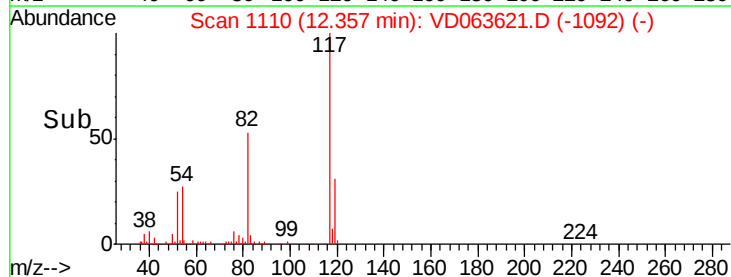
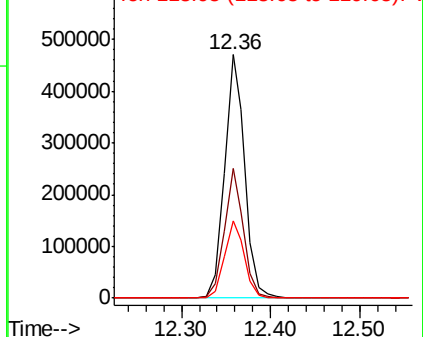


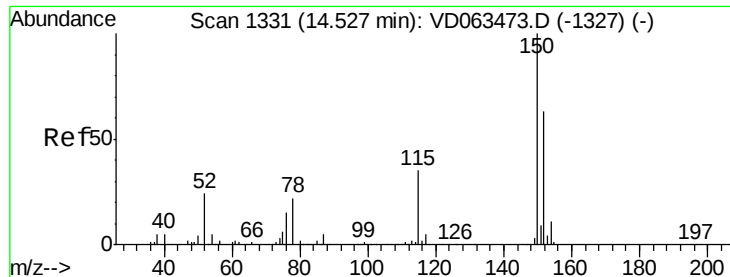
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD063621.D
Acq: 15 Aug 2019 22:23

Tgt Ion: 117 Resp: 751000
Ion Ratio Lower Upper
117 100
82 53.3 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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063621.D

Acq: 15 Aug 2019 22:23

Instrument :

MSVOA_D

ClientSampleId :

DUP-X

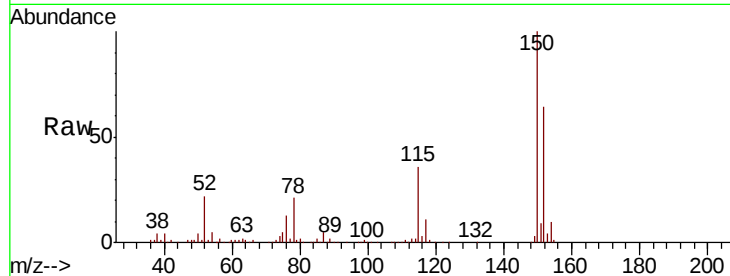
Tgt Ion:152 Resp: 346359

Ion Ratio Lower Upper

152 100

115 56.3 30.9 92.7

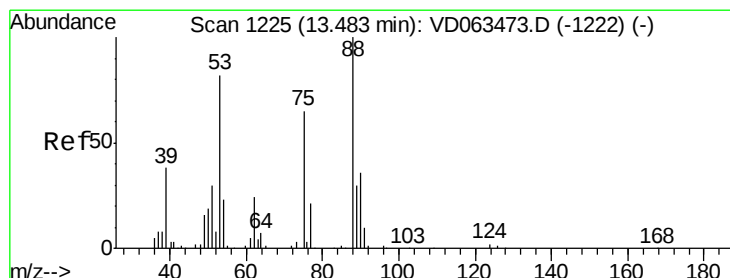
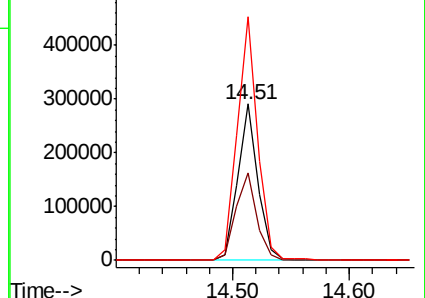
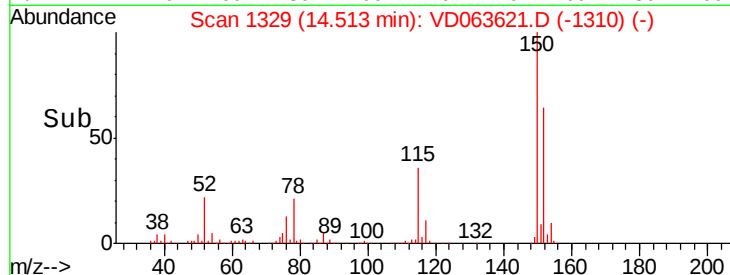
150 156.0 0.0 318.6



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: 219.151 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD063621.D

Acq: 15 Aug 2019 22:23

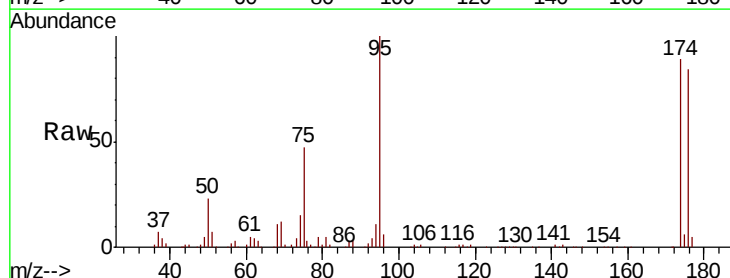
Tgt Ion: 75 Resp: 234139

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

