

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082319\
 Data File : VD063766.D
 Acq On : 23 Aug 2019 15:11
 Operator : JC/SY
 Sample : K4450-04
 Misc : 5.10g/5ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-(A-C)

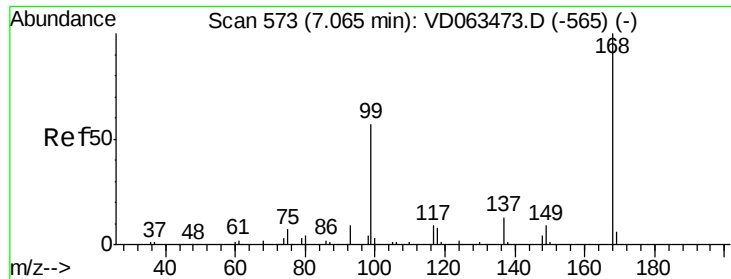
Quant Time: Aug 26 01:07:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	341633	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	554579	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	245871	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	57096	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	427511	117.07	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	234.14%	
35) Dibromofluoromethane	6.92	113	401515	85.96	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	171.92%	
50) Toluene-d8	10.40	98	402758	39.22	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	78.44%	
62) 4-Bromofluorobenzene	13.55	95	109576	23.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	47.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	2509	15.783	ug/l #	71
13) Acrolein	3.05	56	216	1.380	ug/l #	45
15) Acrylonitrile	4.24	53	442	1.050	ug/l #	11
16) Acetone	3.22	43	34958	47.092	ug/l #	92
17) Carbon Disulfide	3.36	76	14195	1.629	ug/l	100
18) Methyl Acetate	3.63	43	18807	13.375	ug/l	99
20) Methylene Chloride	3.80	84	21010	6.545	ug/l #	75
25) 2-Butanone	6.07	43	7123	9.715	ug/l #	58
29) Tetrahydrofuran	6.45	42	463	1.355	ug/l #	35
38) Carbon Tetrachloride	7.04	117	32319	4.374	ug/l #	18
49) 1,4-Dioxane	9.02	88	227	38.026	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	54288	308.244	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063766.D

Acq: 23 Aug 2019 15:11

Instrument :

MSVOA_D

ClientSampleId :

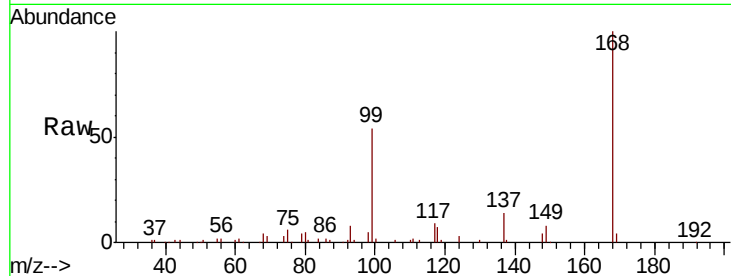
WC-(A-C)

Tgt Ion:168 Resp: 341633

Ion Ratio Lower Upper

168 100

99 54.3 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

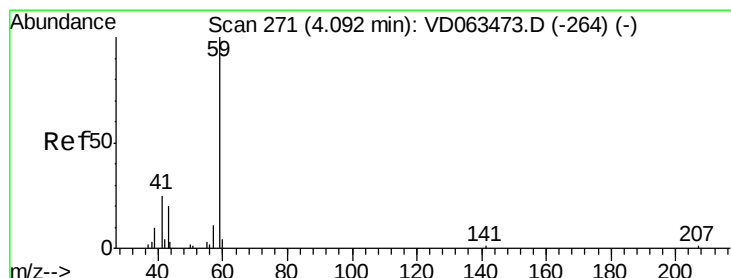
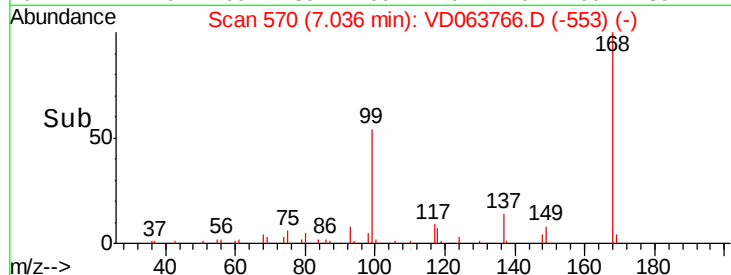
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 15.783 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.03 min

Lab File: VD063766.D

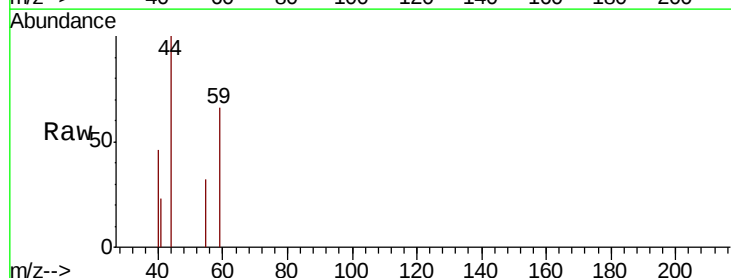
Acq: 23 Aug 2019 15:11

Tgt Ion: 59 Resp: 2509

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

1000

800

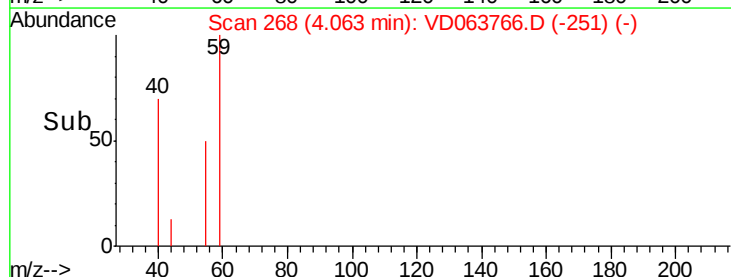
600

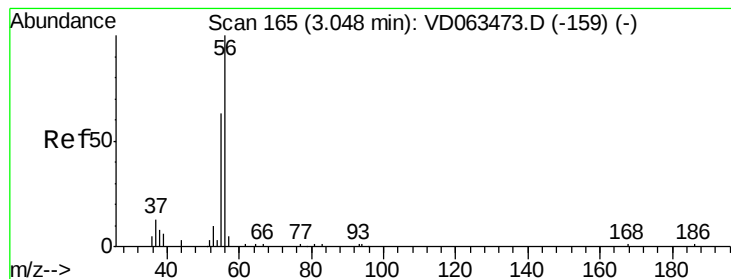
400

200

0

Time-->





#13

Acrolein

Concen: 1.380 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD063766.D

Acq: 23 Aug 2019 15:11

Instrument :

MSVOA_D

ClientSampleId :

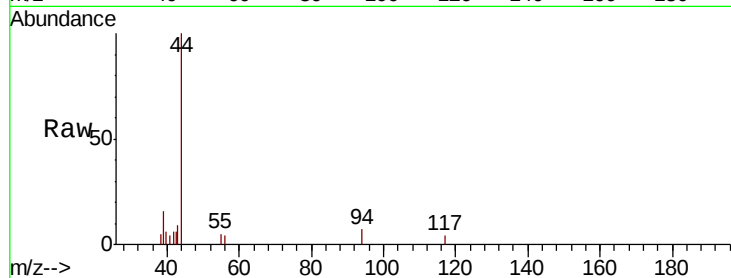
WC-(A-C)

Tgt Ion: 56 Resp: 216

Ion Ratio Lower Upper

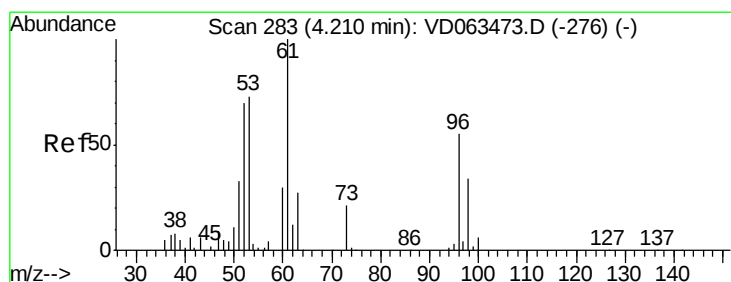
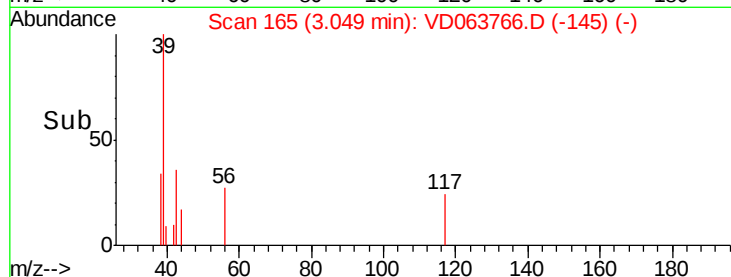
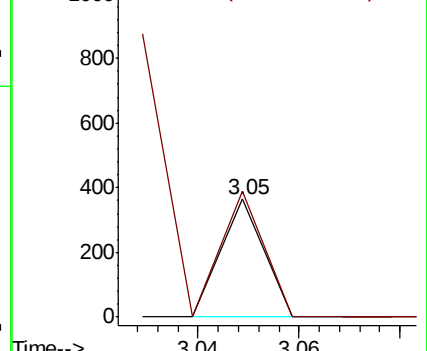
56 100

55 107.1 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#15

Acrylonitrile

Concen: 1.050 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.03 min

Lab File: VD063766.D

Acq: 23 Aug 2019 15:11

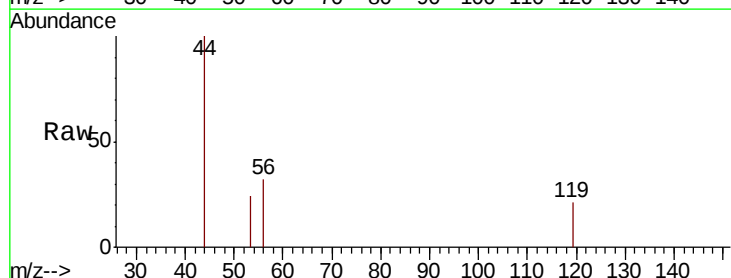
Tgt Ion: 53 Resp: 442

Ion Ratio Lower Upper

53 100

52 0.0 77.4 116.0#

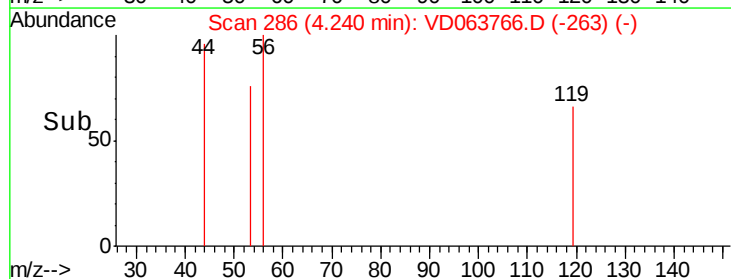
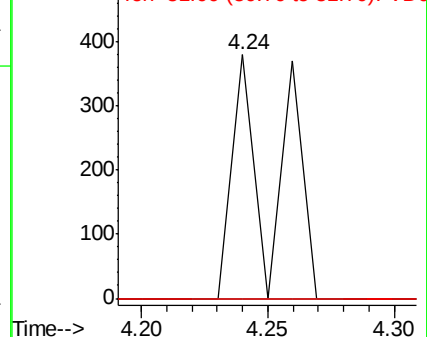
51 0.0 36.7 55.1#

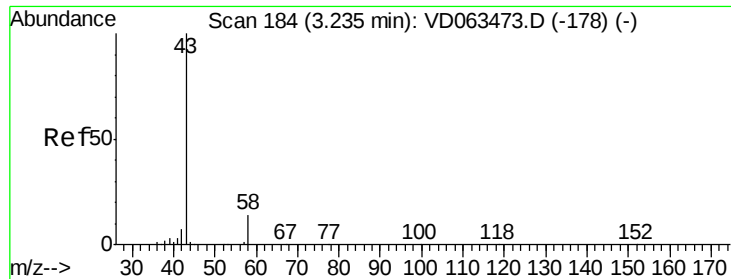


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 47.092 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063766.D

Acq: 23 Aug 2019 15:11

Instrument :

MSVOA_D

ClientSampleId :

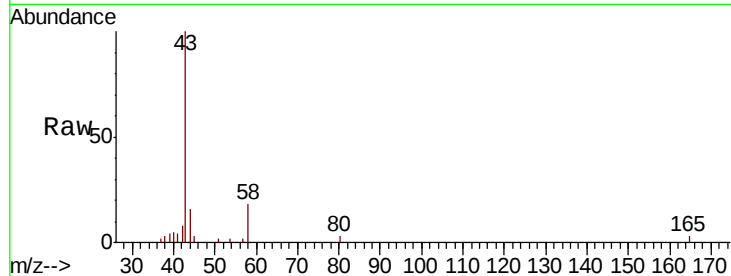
WC-(A-C)

Tgt Ion: 43 Resp: 34958

Ion Ratio Lower Upper

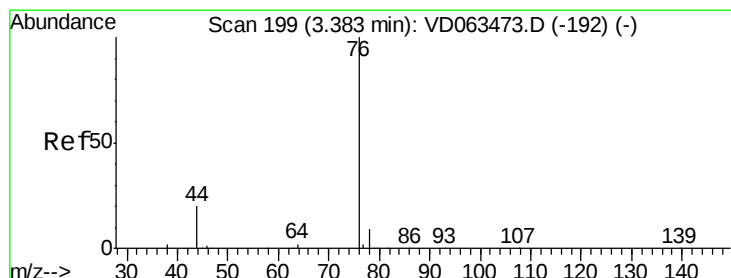
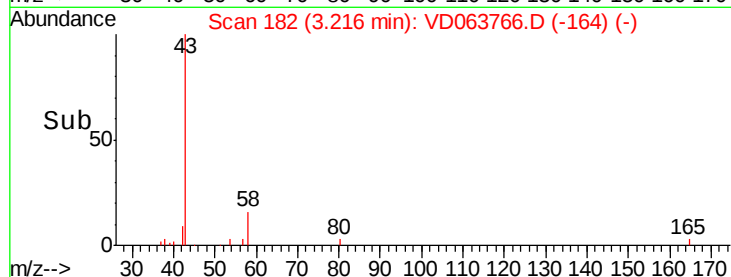
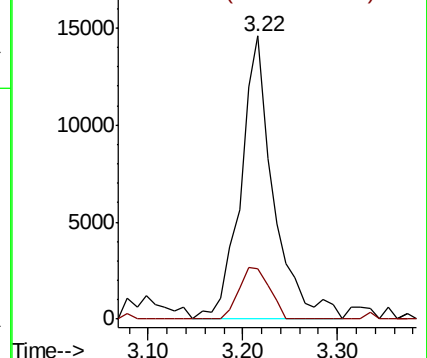
43 100

58 17.8 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 1.629 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.02 min

Lab File: VD063766.D

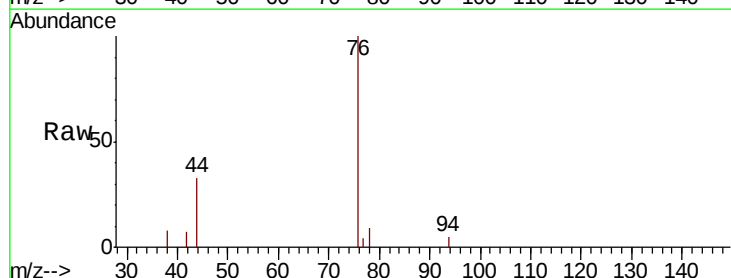
Acq: 23 Aug 2019 15:11

Tgt Ion: 76 Resp: 14195

Ion Ratio Lower Upper

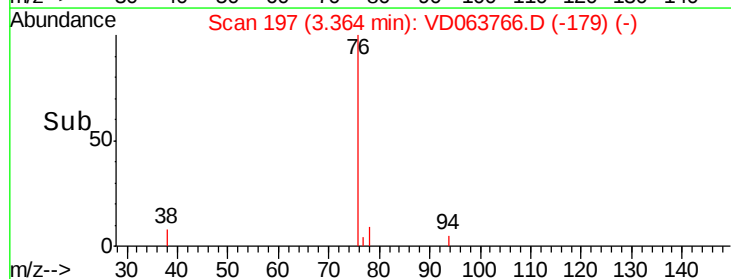
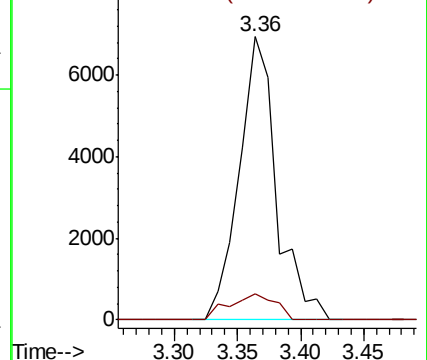
76 100

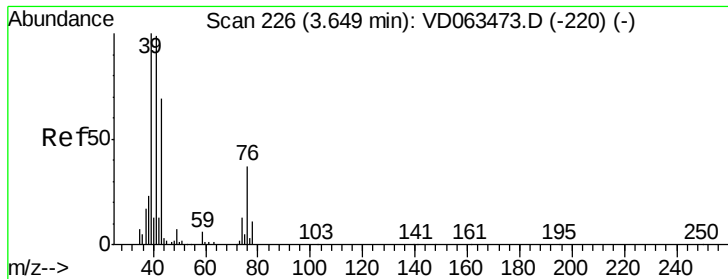
78 9.0 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

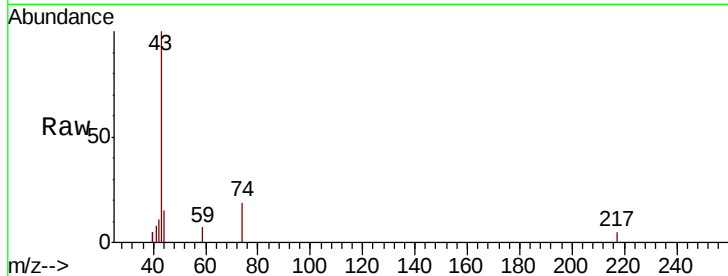




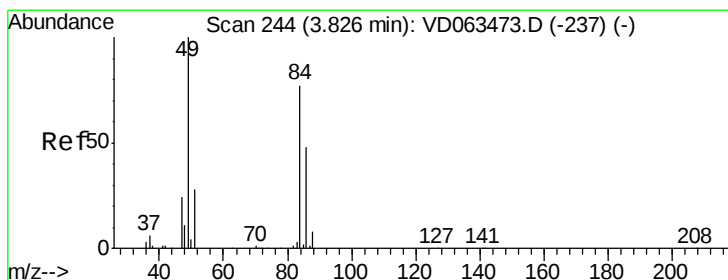
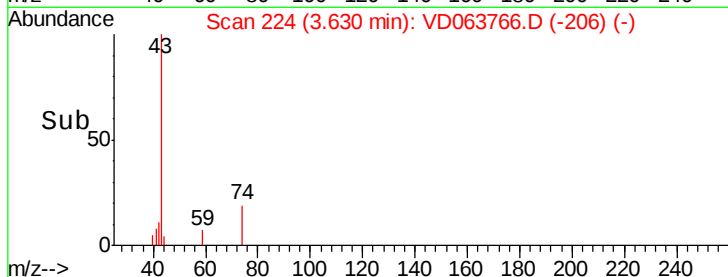
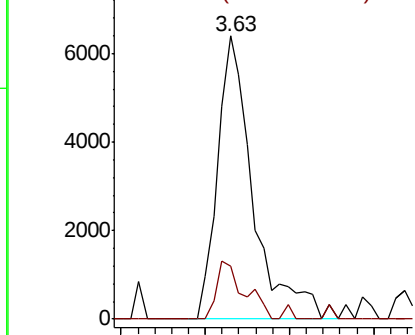
#18
Methyl Acetate
Concen: 13.375 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD063766.D
Acq: 23 Aug 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :
WC-(A-C)

Tgt Ion: 43 Resp: 18807
Ion Ratio Lower Upper
43 100
74 18.8 15.4 23.2

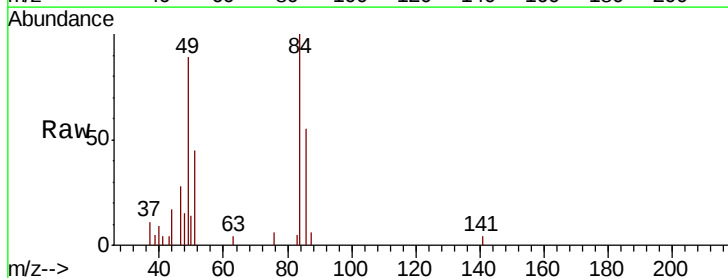


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

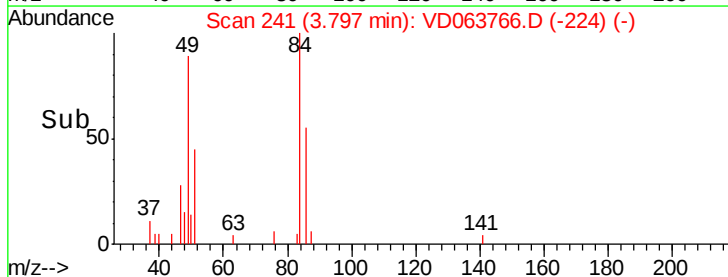
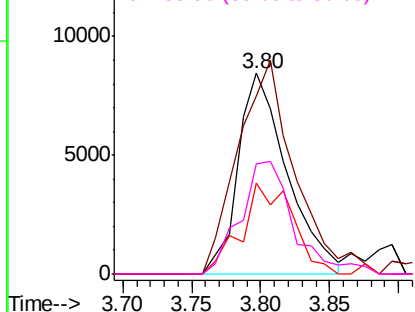


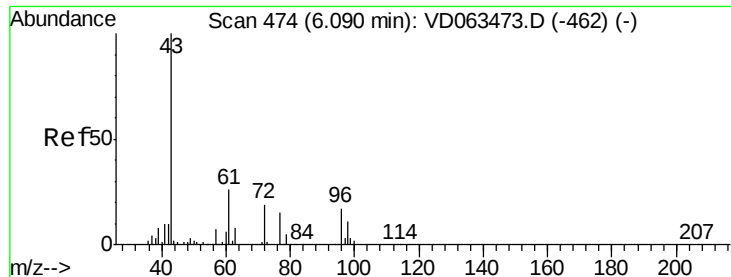
#20
Methylene Chloride
Concen: 6.545 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063766.D
Acq: 23 Aug 2019 15:11

Tgt Ion: 84 Resp: 21010
Ion Ratio Lower Upper
84 100
49 88.8 103.4 155.2#
51 45.4 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

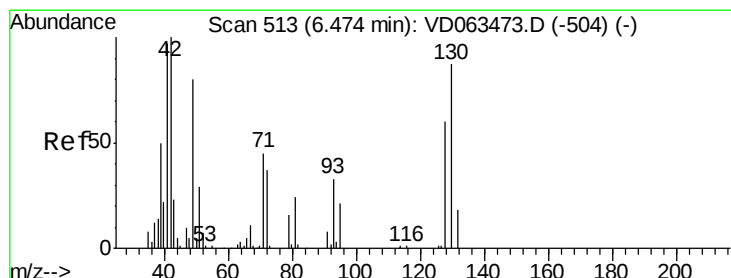
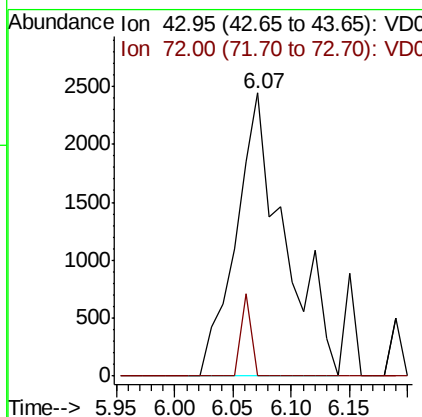
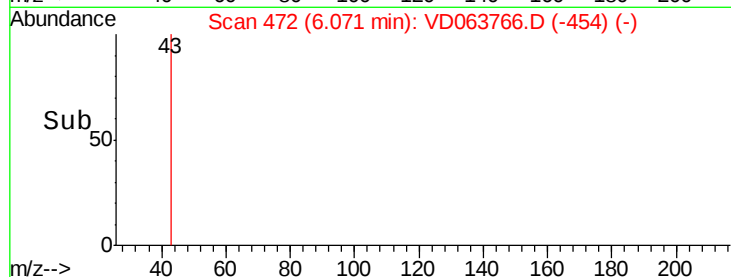
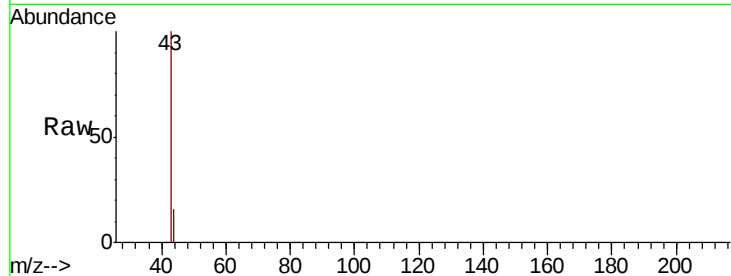




#25
2-Butanone
Concen: 9.715 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.02 min
Lab File: VD063766.D
Acq: 23 Aug 2019 15:11

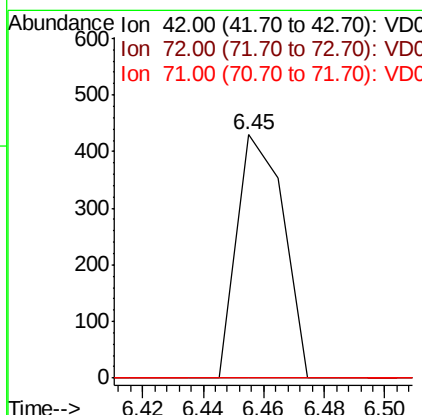
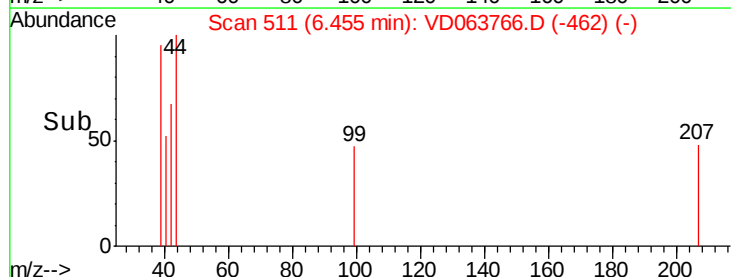
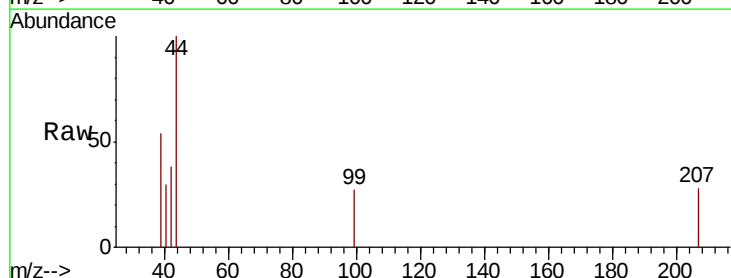
Instrument :
MSVOA_D
ClientSampled :
WC-(A-C)

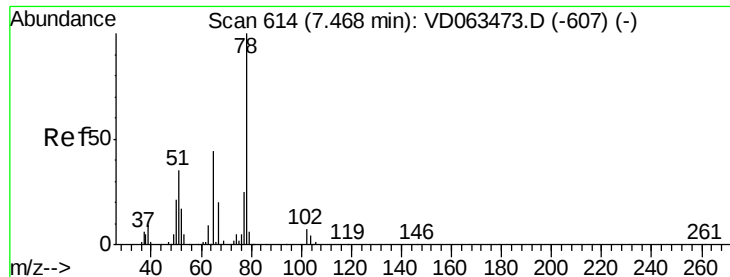
Tgt Ion: 43 Resp: 7123
Ion Ratio Lower Upper
43 100
72 0.0 15.1 22.7#



#29
Tetrahydrofuran
Concen: 1.355 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063766.D
Acq: 23 Aug 2019 15:11

Tgt Ion: 42 Resp: 463
Ion Ratio Lower Upper
42 100
72 0.0 31.5 47.3#
71 0.0 33.8 50.8#

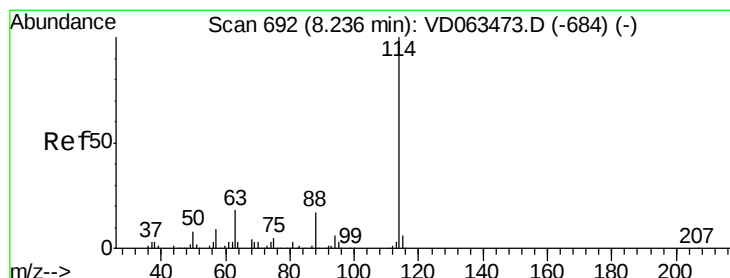
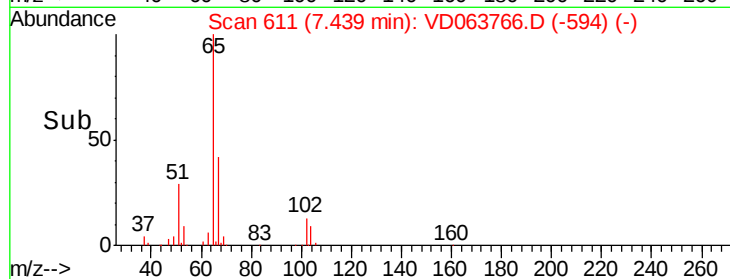
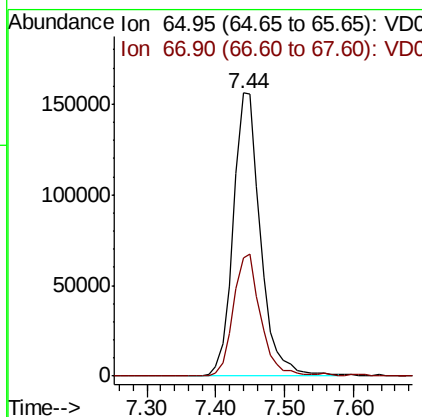
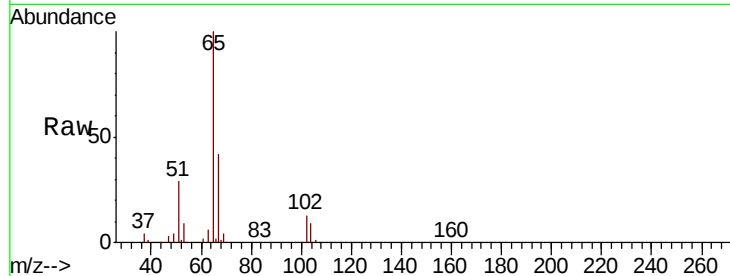




#33
 1,2-Dichloroethane-d4
 Concen: 117.069 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063766.D
 Acq: 23 Aug 2019 15:11

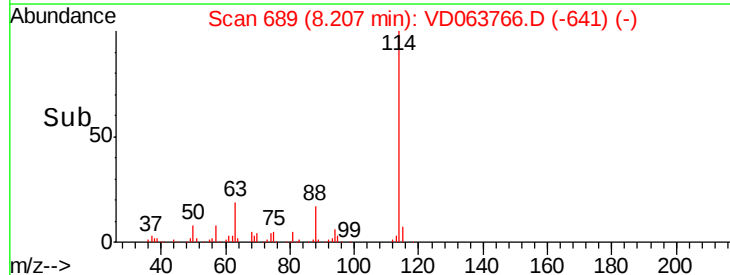
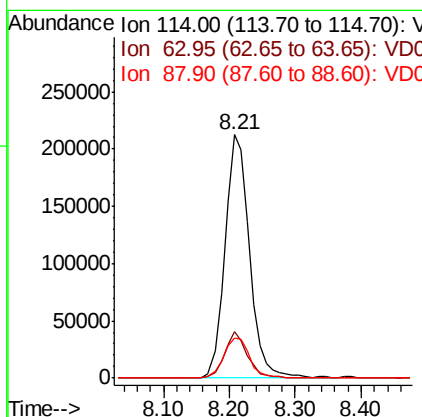
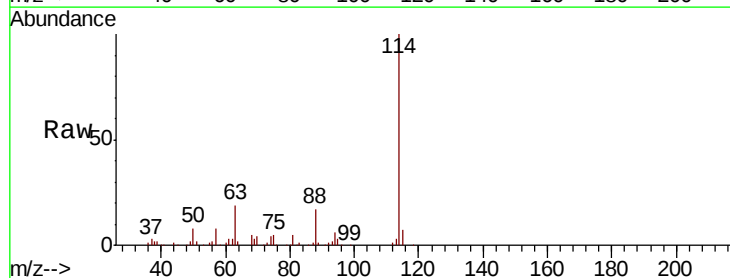
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-(A-C)

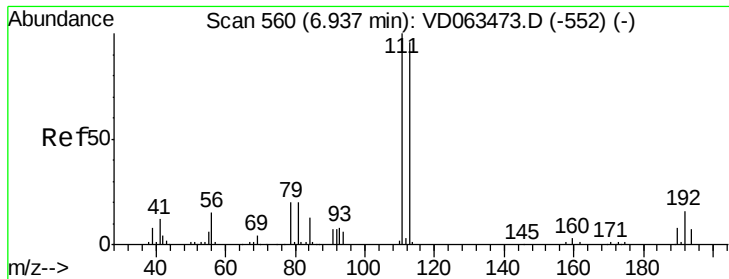
Tgt Ion: 65 Resp: 427511
 Ion Ratio Lower Upper
 65 100
 67 41.9 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063766.D
 Acq: 23 Aug 2019 15:11

Tgt Ion: 114 Resp: 554579
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 36.2
 88 16.7 0.0 35.0





#35

Dibromofluoromethane

Concen: 85.965 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063766.D

Acq: 23 Aug 2019 15:11

Instrument :

MSVOA_D

ClientSampleId :

WC-(A-C)

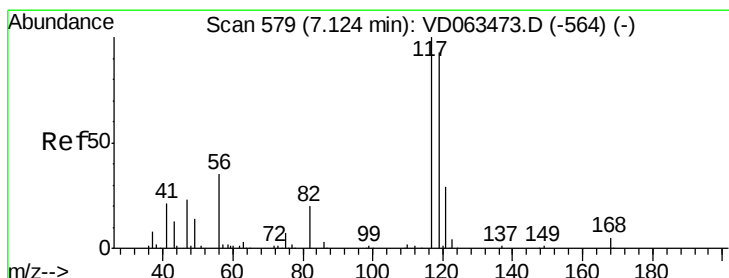
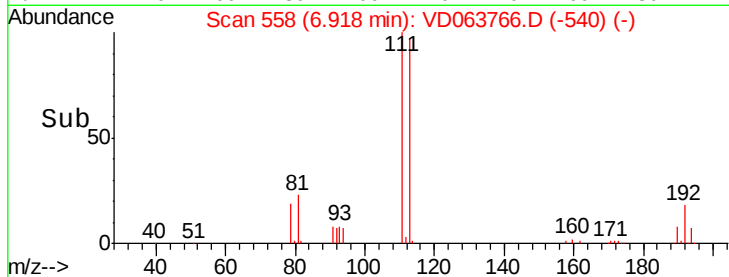
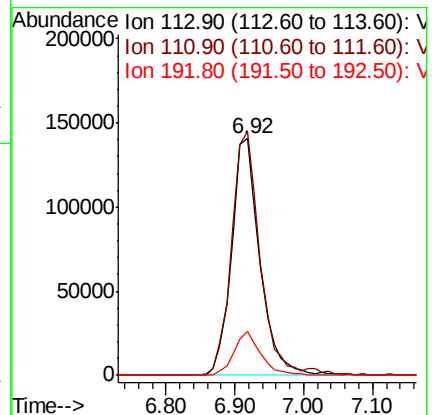
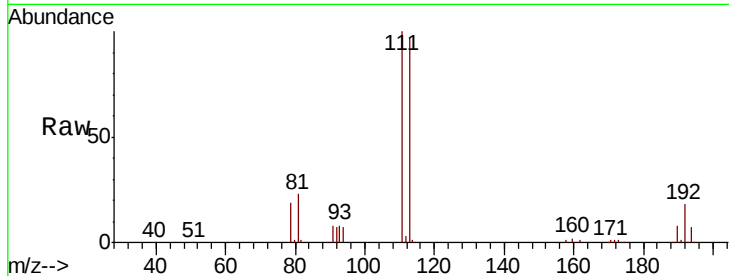
Tgt Ion:113 Resp: 401515

Ion Ratio Lower Upper

113 100

111 102.8 83.1 124.7

192 18.5 13.1 19.7



#38

Carbon Tetrachloride

Concen: 4.374 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063766.D

Acq: 23 Aug 2019 15:11

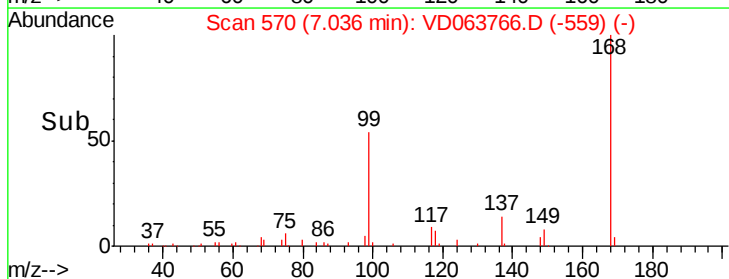
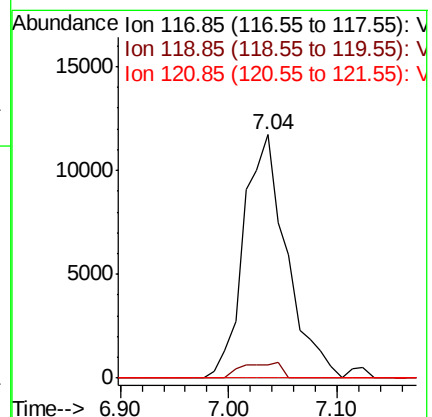
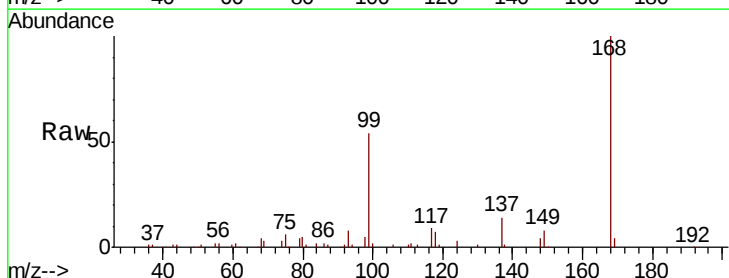
Tgt Ion:117 Resp: 32319

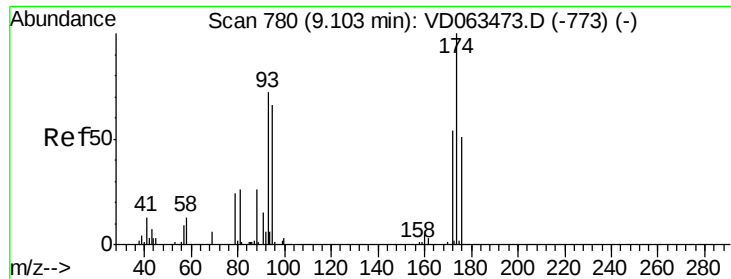
Ion Ratio Lower Upper

117 100

119 5.5 74.2 111.2#

121 0.0 23.1 34.7#

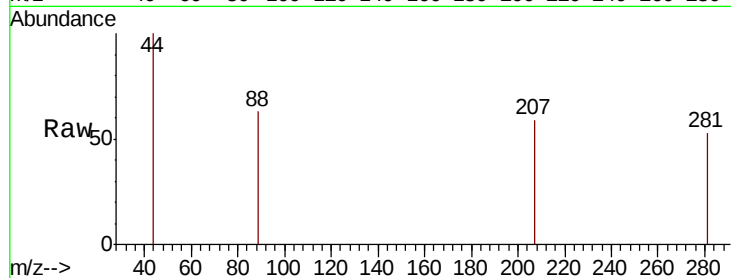




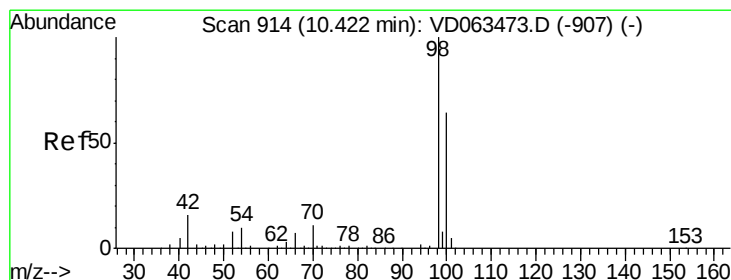
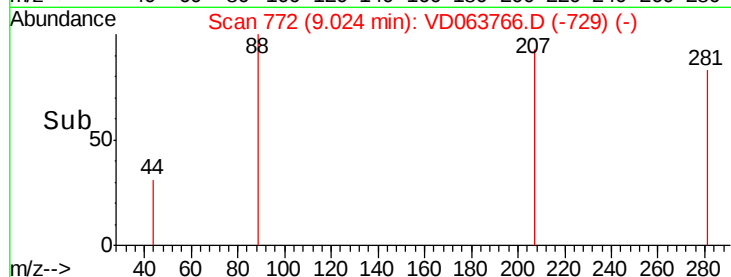
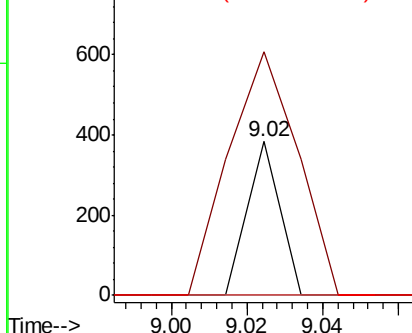
#49
1,4-Dioxane
Concen: 38.026 ug/l
RT: 9.02 min Scan# 772
Delta R.T. -0.08 min
Lab File: VD063766.D
Acq: 23 Aug 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :
WC-(A-C)

Tgt Ion: 88 Resp: 227
Ion Ratio Lower Upper
88 100
43 158.1 22.9 34.3#
58 0.0 40.1 60.1#

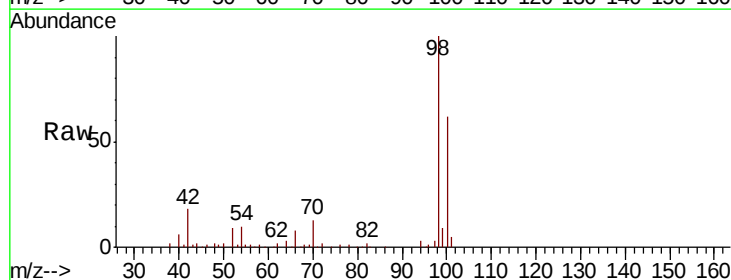


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

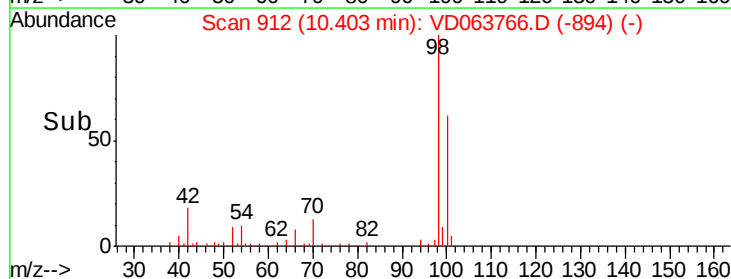
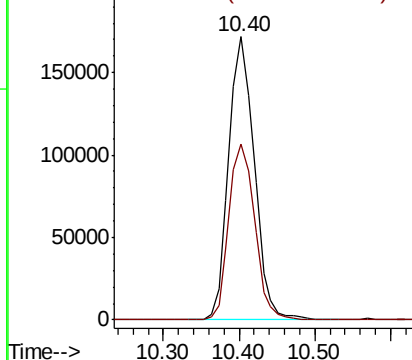


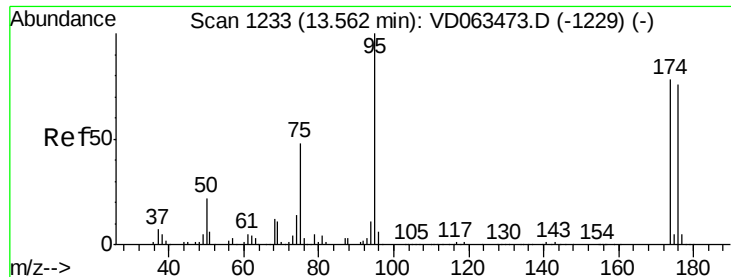
#50
Toluene-d8
Concen: 39.222 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063766.D
Acq: 23 Aug 2019 15:11

Tgt Ion: 98 Resp: 402758
Ion Ratio Lower Upper
98 100
100 62.2 51.7 77.5



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





#62

4-Bromofluorobenzene

Concen: 23.543 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063766.D

Acq: 23 Aug 2019 15:11

Instrument :

MSVOA_D

ClientSampled :

WC-(A-C)

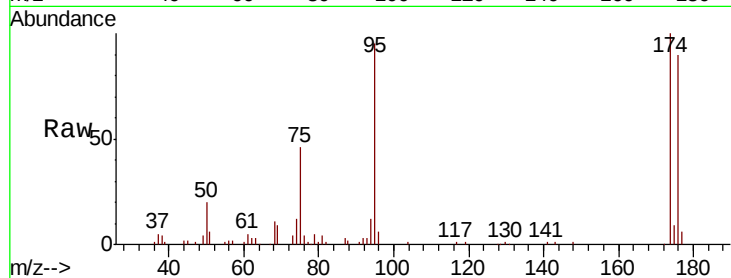
Tgt Ion: 95 Resp: 109576

Ion Ratio Lower Upper

95 100

174 105.6 0.0 155.4

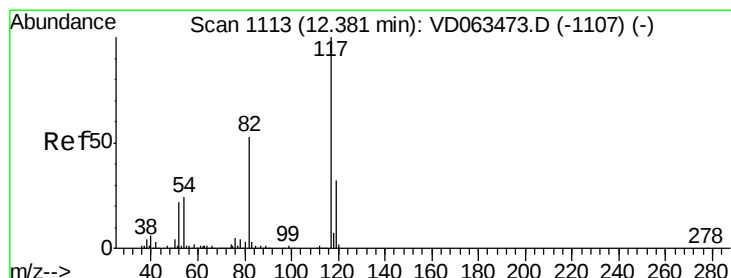
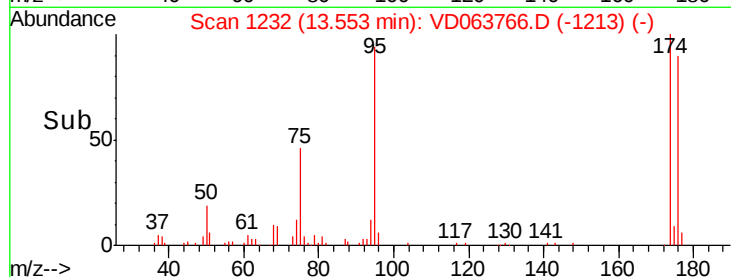
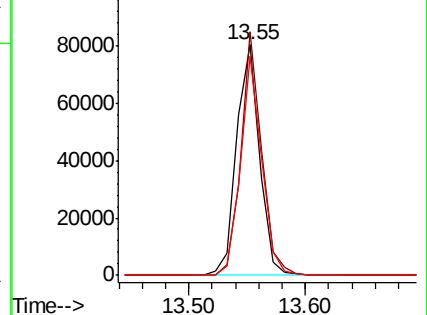
176 95.1 0.0 152.4



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# 1111

Delta R.T. -0.02 min

Lab File: VD063766.D

Acq: 23 Aug 2019 15:11

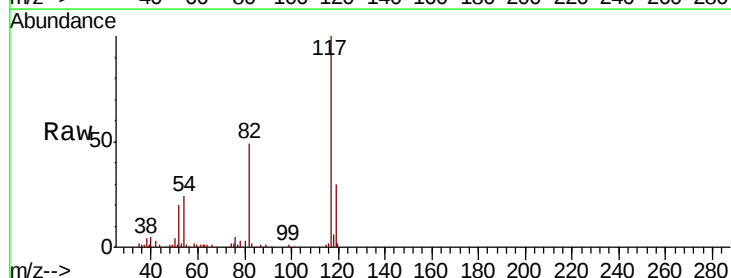
Tgt Ion: 117 Resp: 245871

Ion Ratio Lower Upper

117 100

82 49.2 42.0 63.0

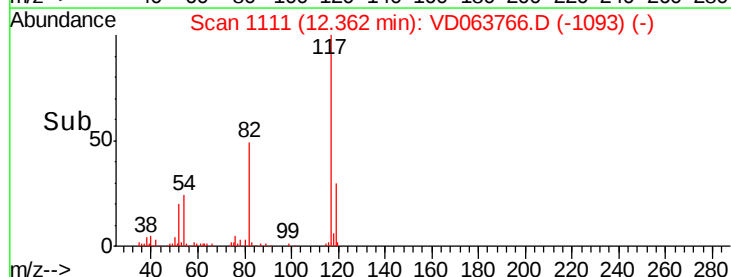
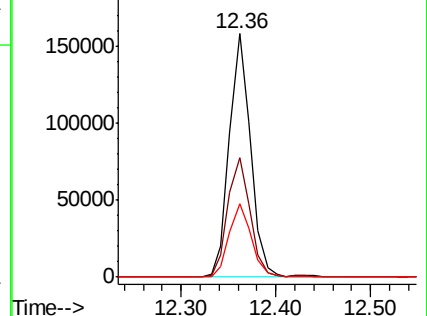
119 30.2 25.4 38.0

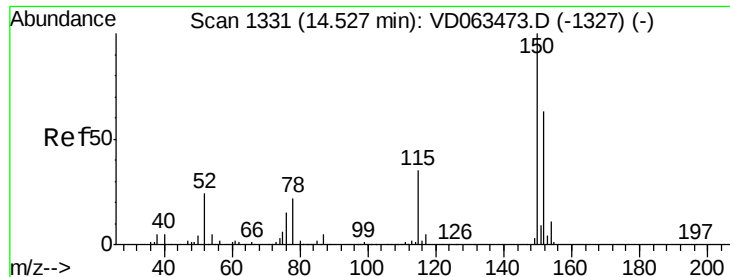


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063766.D

Acq: 23 Aug 2019 15:11

Instrument :

MSVOA_D

ClientSampled :

WC-(A-C)

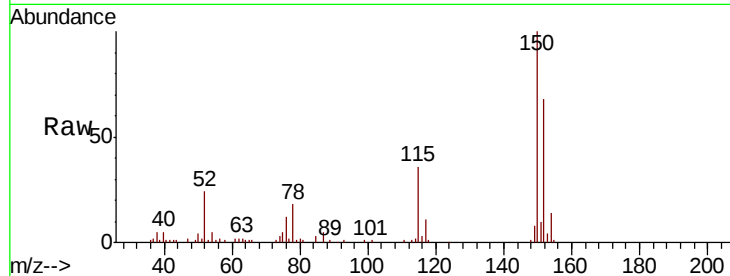
Tgt Ion:152 Resp: 57096

Ion Ratio Lower Upper

152 100

115 53.0 30.9 92.7

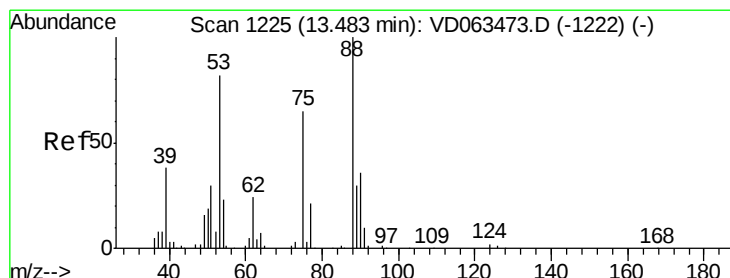
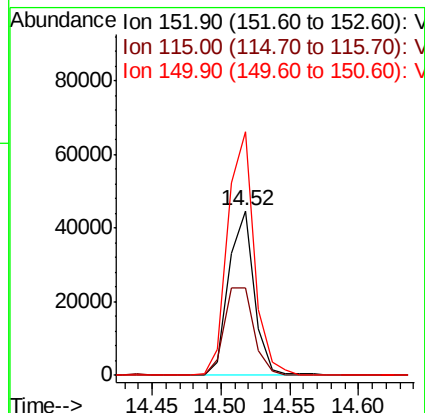
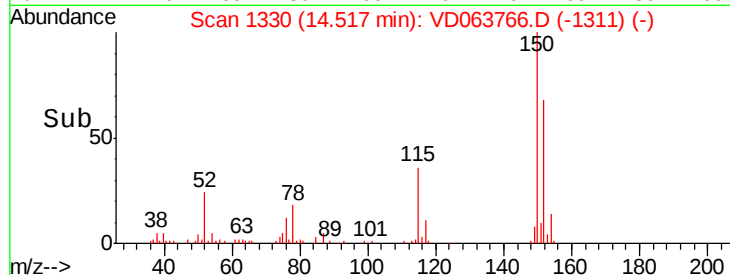
150 148.0 0.0 318.6



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: 308.244 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063766.D

Acq: 23 Aug 2019 15:11

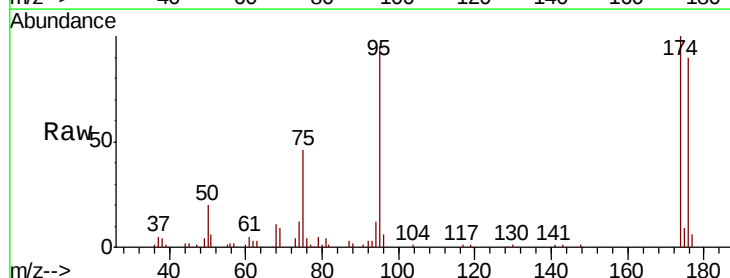
Tgt Ion: 75 Resp: 54288

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

