

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063576.D
 Acq On : 14 Aug 2019 16:16
 Operator : JC/SY
 Sample : K4340-01
 Misc : 8.29g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 12:00:27 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	7.05	168	884625	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.23	114	1226706	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	857465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	345557	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	412746	43.65	ug/l	0.00
Spiked Amount			Recovery	=	87.30%	
35) Dibromofluoromethane	6.93	113	462055	44.72	ug/l	0.00
Spiked Amount			Recovery	=	89.44%	
50) Toluene-d8	10.41	98	995984	43.85	ug/l	0.00
Spiked Amount			Recovery	=	87.70%	
62) 4-Bromofluorobenzene	13.55	95	344865	33.50	ug/l	0.00
Spiked Amount			Recovery	=	67.00%	

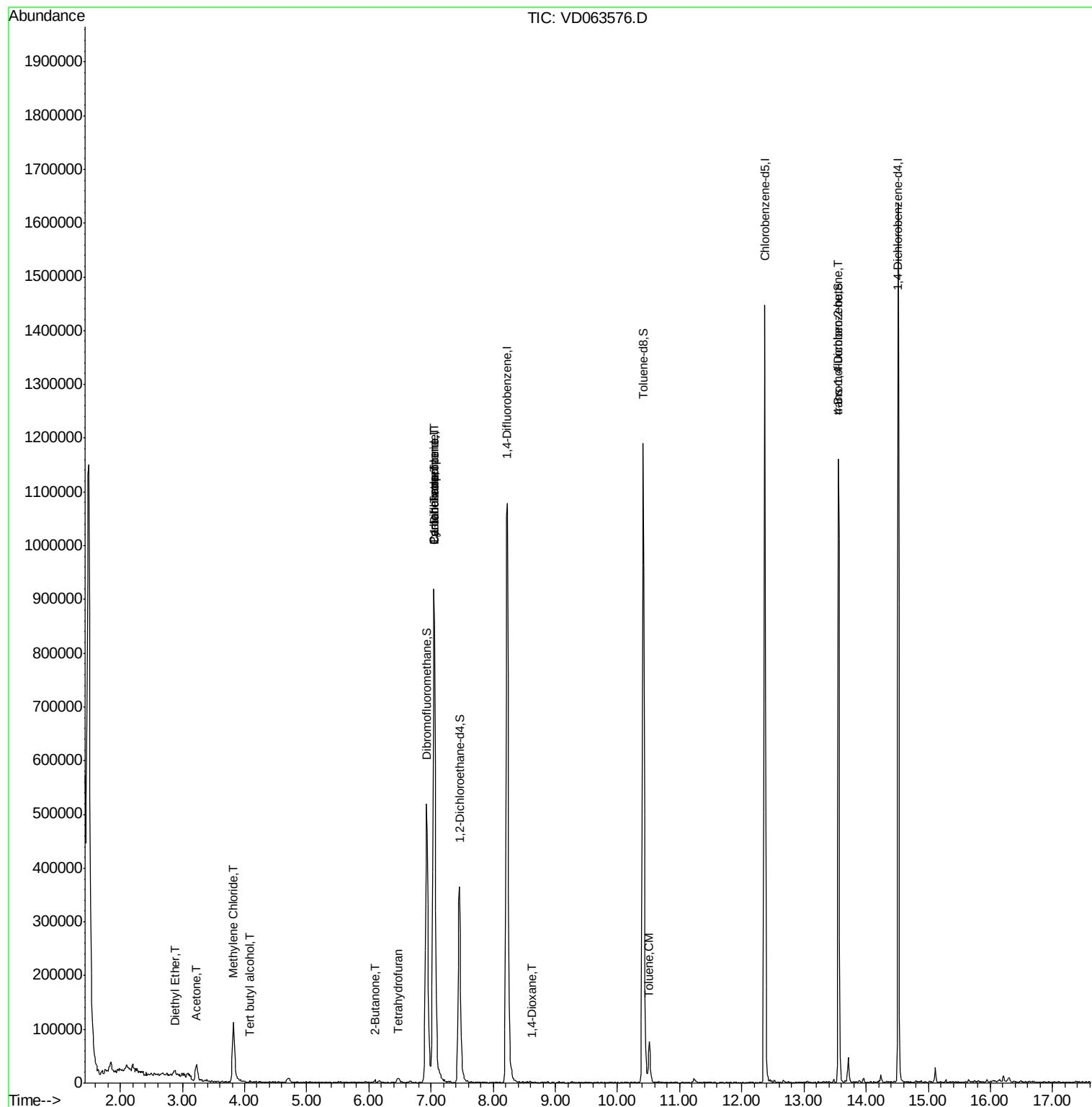
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.88	74	4049	1.761	ug/l	87
11) Tert butyl alcohol	4.08	59	1381	3.355	ug/l #	71
16) Acetone	3.23	43	69405	36.107	ug/l	93
20) Methylene Chloride	3.83	84	72880	8.768	ug/l	96
25) 2-Butanone	6.10	43	5258	2.770	ug/l #	82
29) Tetrahydrofuran	6.46	42	6874	7.771	ug/l #	64
31) Cyclohexane	7.04	56	20930	2.451	ug/l #	22
36) 1,1-Dichloropropene	7.05	75	62820	5.793	ug/l #	50
38) Carbon Tetrachloride	7.05	117	87196	5.335	ug/l #	18
49) 1,4-Dioxane	8.63	88	185	29.635	ug/l #	34
52) Toluene	10.51	92	31382	2.042	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.55	75	153334	143.852	ug/l #	1

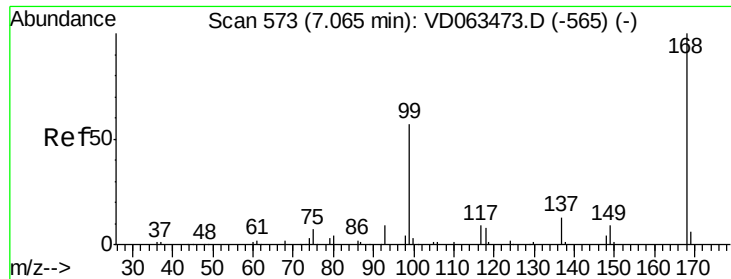
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081419\
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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: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063576.D

Acq: 14 Aug 2019 16:16

Instrument :

MSVOA_D

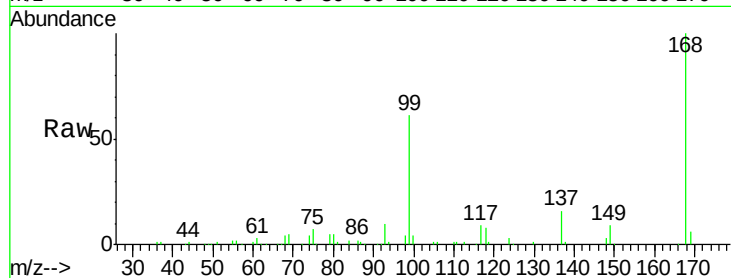
ClientSampleId :

Tot Ion:168 Resp: 884625

Ion Ratio Lower Upper

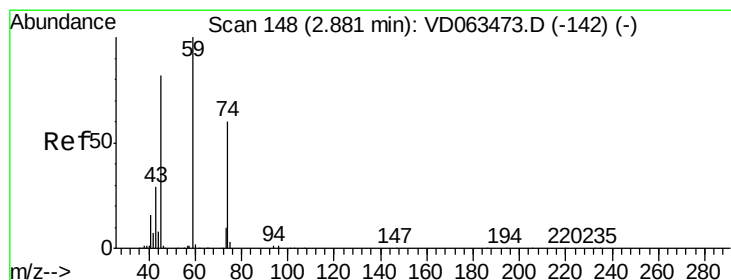
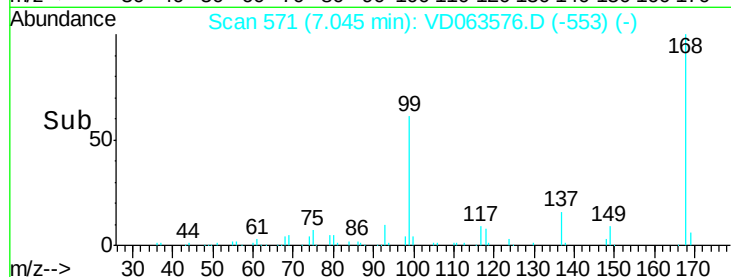
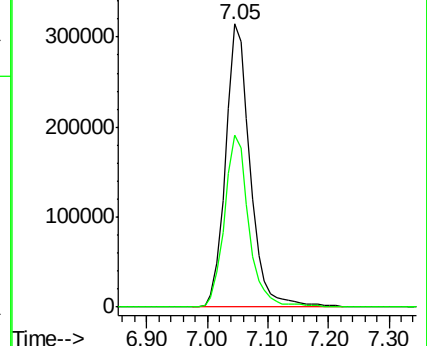
168 100

99 60.8 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: 1.761 ug/l

RT: 2.88 min Scan# 148

Delta R.T. -0.00 min

Lab File: VD063576.D

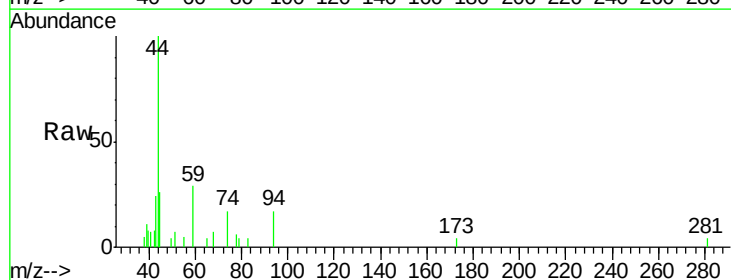
Acq: 14 Aug 2019 16:16

Tgt Ion: 74 Resp: 4049

Ion Ratio Lower Upper

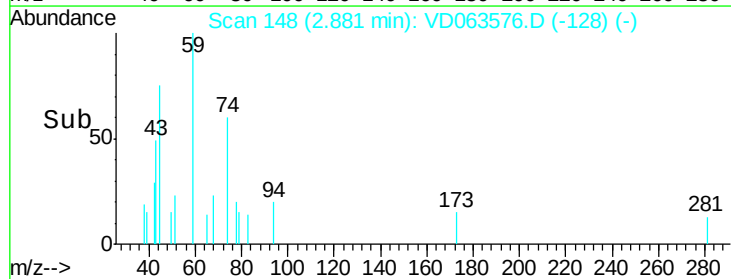
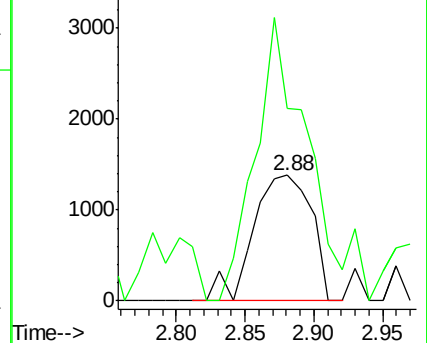
74 100

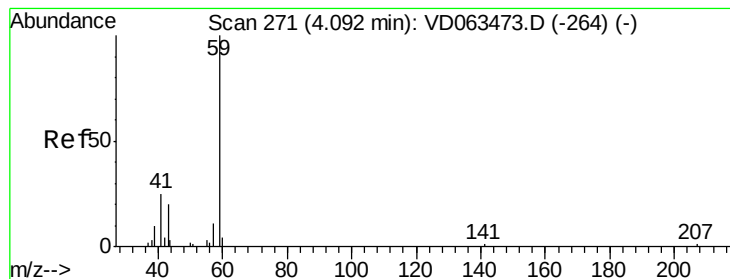
45 152.9 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



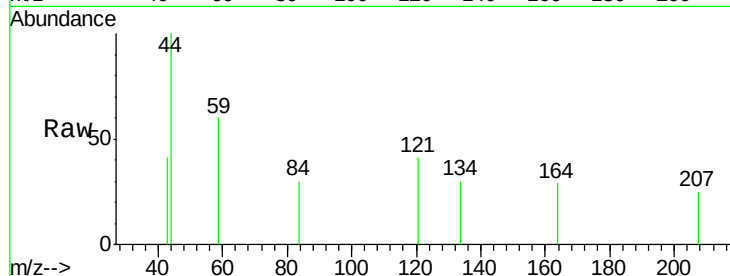


#11

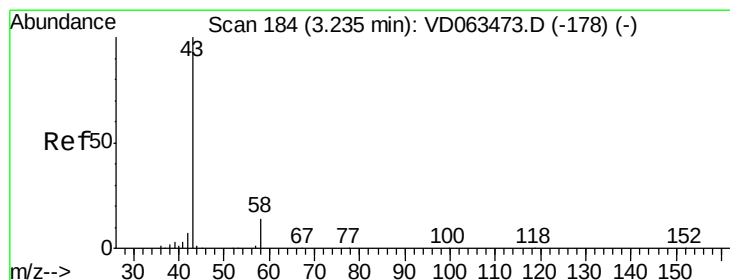
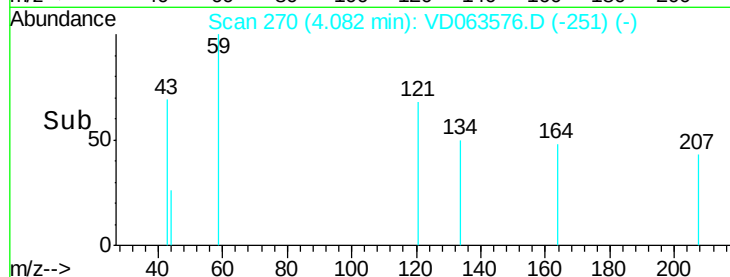
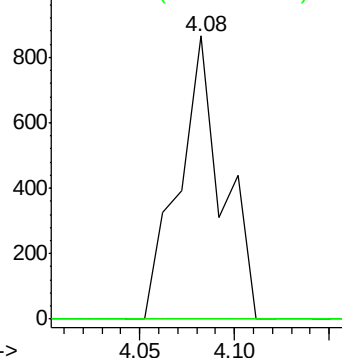
Tert butyl alcohol
 Concen: 3.355 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.01 min
 Lab File: VD063576.D
 Acq: 14 Aug 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 1381
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#



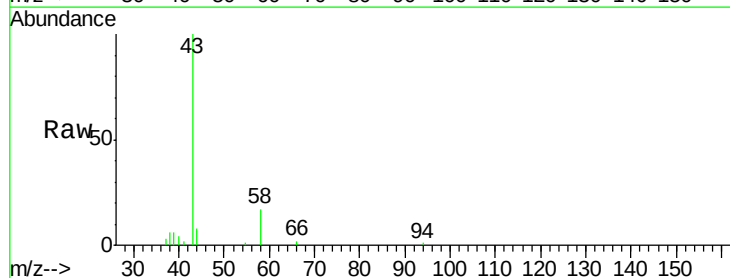
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



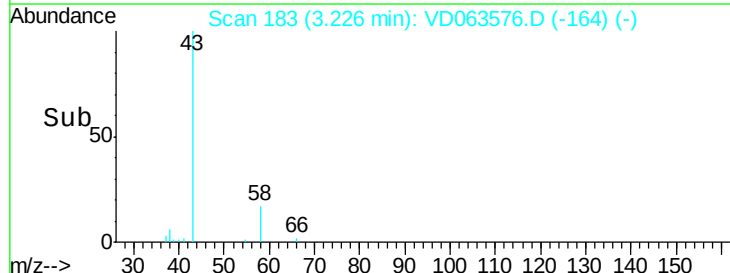
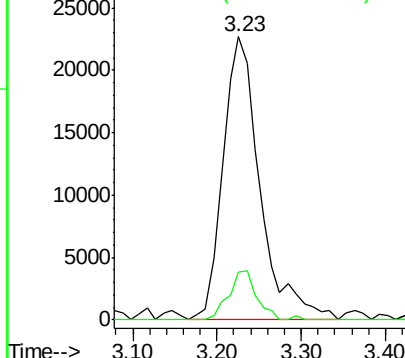
#16

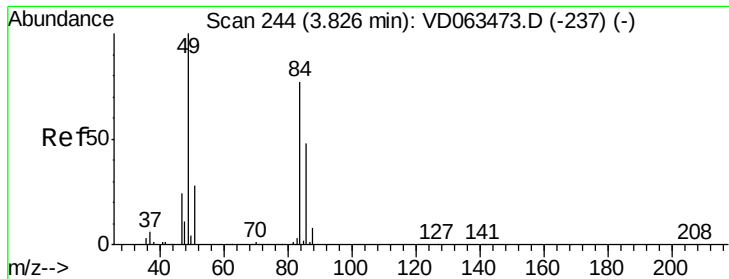
Acetone
 Concen: 36.107 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VD063576.D
 Acq: 14 Aug 2019 16:16

Tgt Ion: 43 Resp: 69405
 Ion Ratio Lower Upper
 43 100
 58 17.0 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: 8.768 ug/l

RT: 3.83 min Scan# 244

Delta R.T. -0.00 min

Lab File: VD063576.D

Acq: 14 Aug 2019 16:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 72880

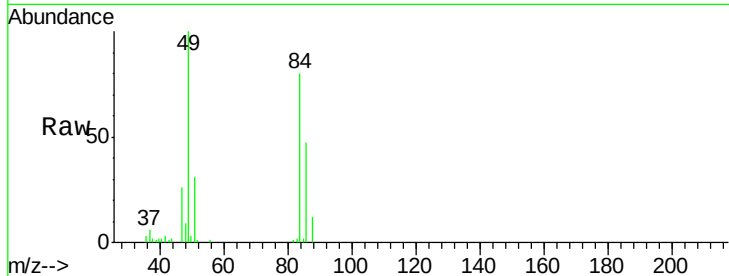
Ion Ratio Lower Upper

84 100

49 125.7 103.4 155.2

51 38.6 28.5 42.7

86 58.8 49.4 74.2

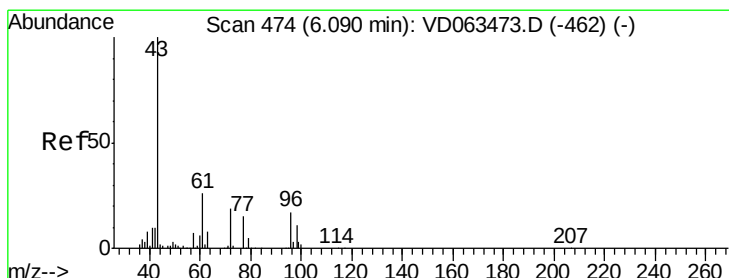
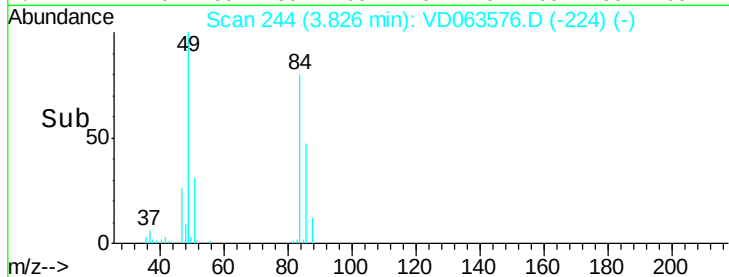
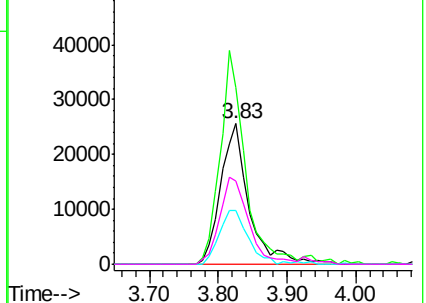


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 2.770 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063576.D

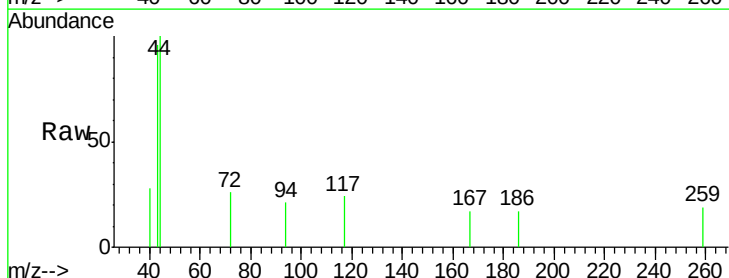
Acq: 14 Aug 2019 16:16

Tgt Ion: 43 Resp: 5258

Ion Ratio Lower Upper

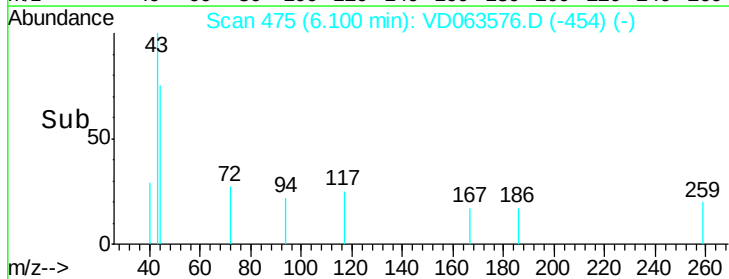
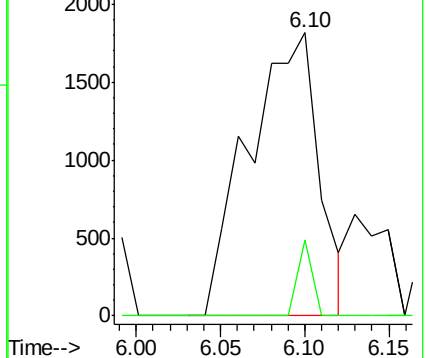
43 100

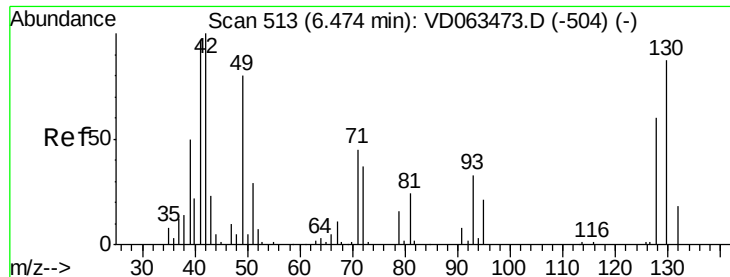
72 26.8 15.1 22.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 7.771 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD063576.D

Acq: 14 Aug 2019 16:16

Instrument :

MSVOA_D

ClientSampled :

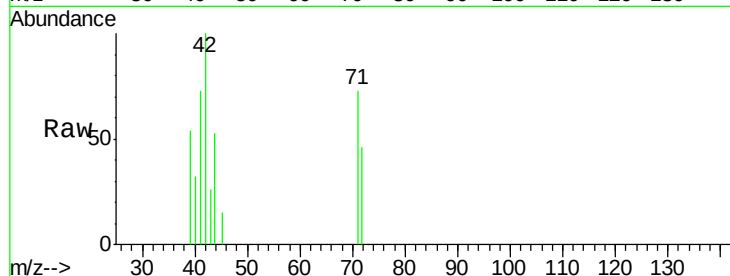
Tot Ion: 42 Resp: 6874

Ion Ratio Lower Upper

42 100

72 41.9 31.5 47.3

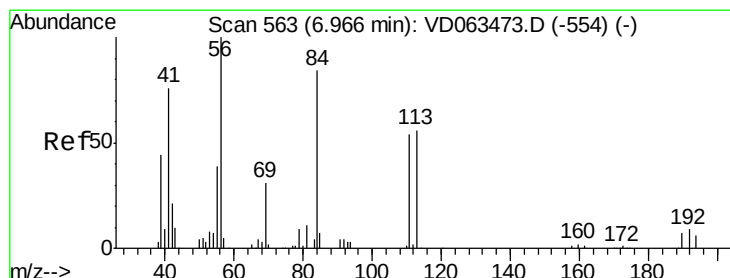
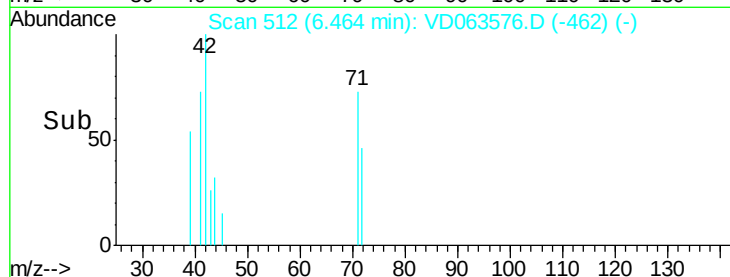
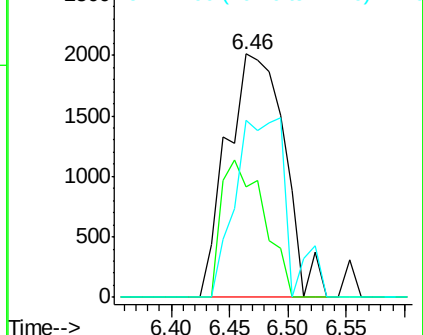
71 0.0 33.8 50.8#



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: 2.451 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD063576.D

Acq: 14 Aug 2019 16:16

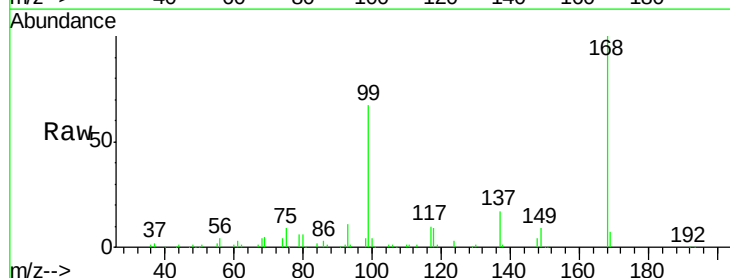
Tgt Ion: 56 Resp: 20930

Ion Ratio Lower Upper

56 100

69 140.7 25.0 37.6#

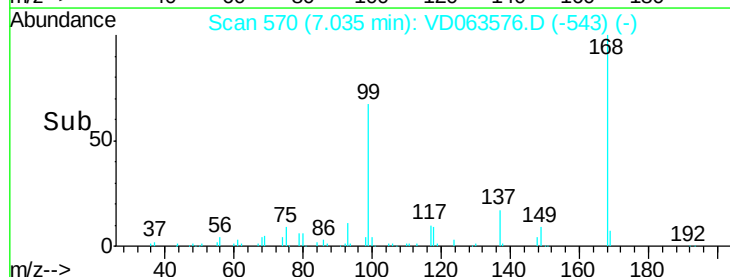
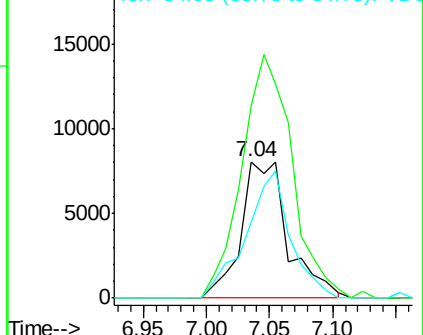
84 55.5 69.7 104.5#

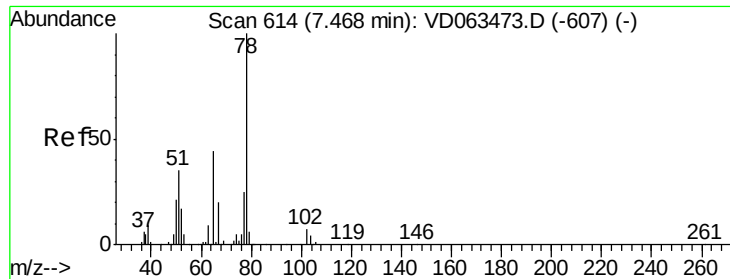


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

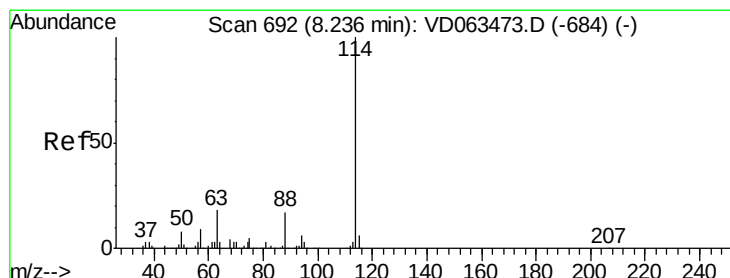
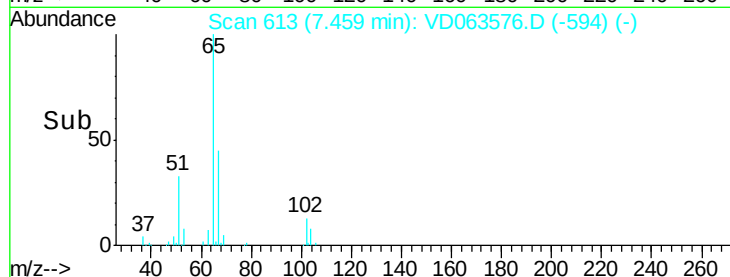
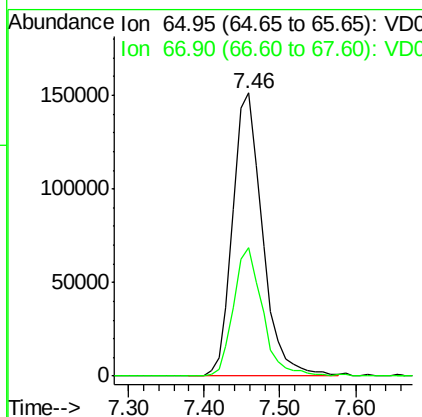
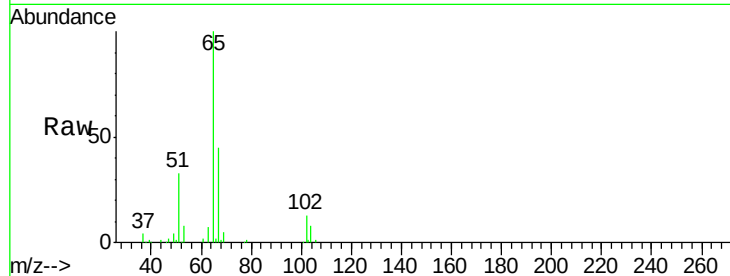




#33
 1,2-Dichloroethane-d4
 Concen: 43.649 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD063576.D
 Acq: 14 Aug 2019 16:16

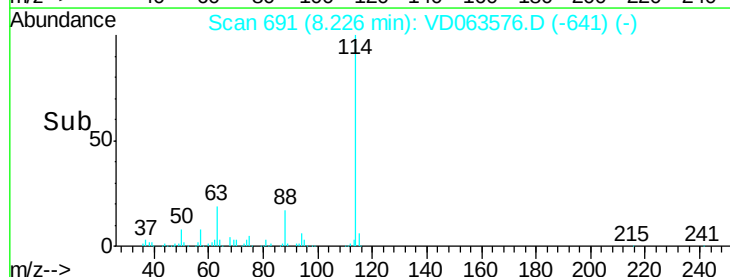
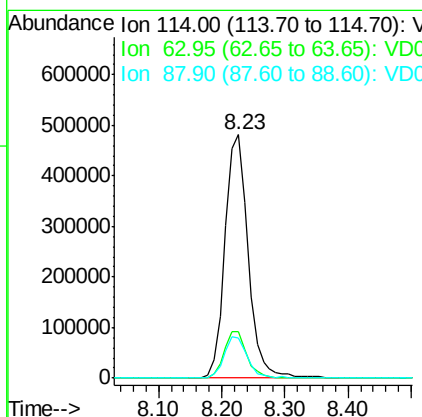
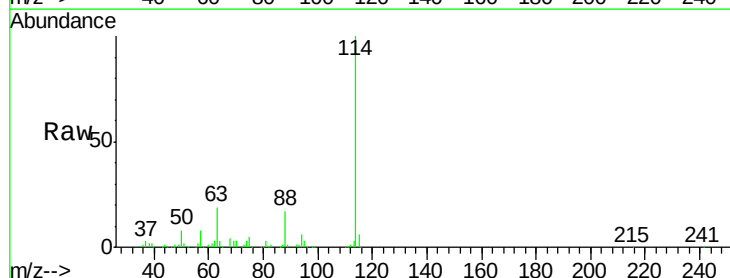
Instrument :
 MSVOA_D
 ClientSampleId :

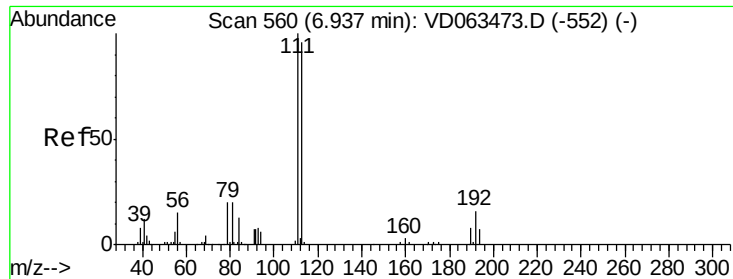
Tot Ion: 65 Resp: 412746
 Ion Ratio Lower Upper
 65 100
 67 45.3 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VD063576.D
 Acq: 14 Aug 2019 16:16

Tgt Ion: 114 Resp: 1226706
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 36.2
 88 16.6 0.0 35.0

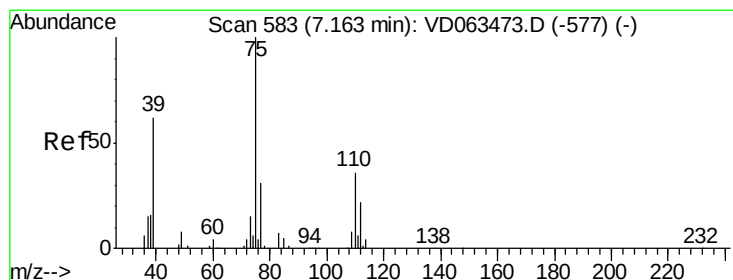
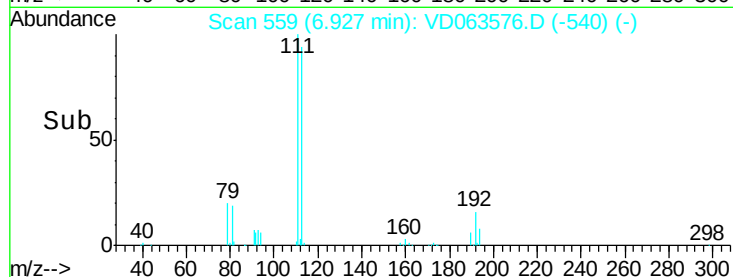
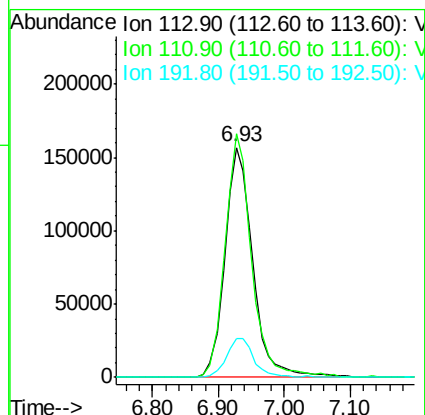
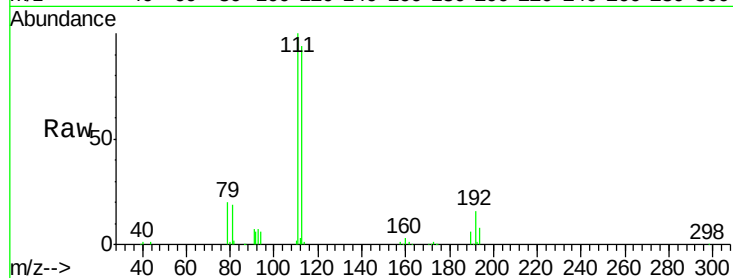




#35
 Dibromofluoromethane
 Concen: 44.723 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD063576.D
 Acq: 14 Aug 2019 16:16

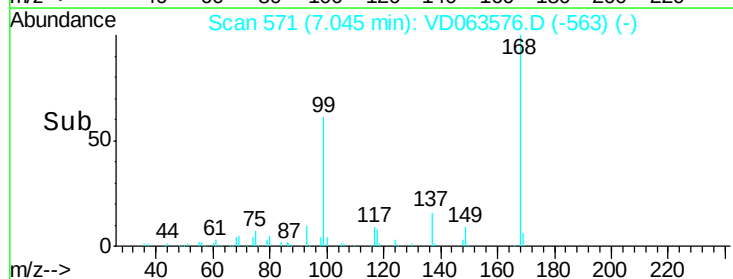
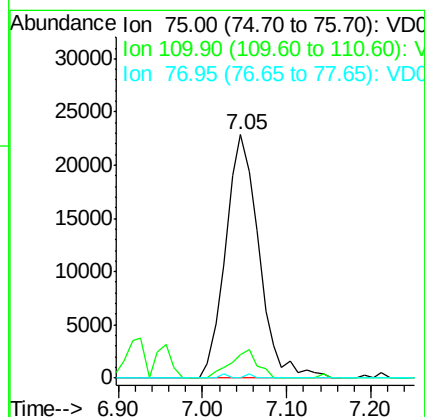
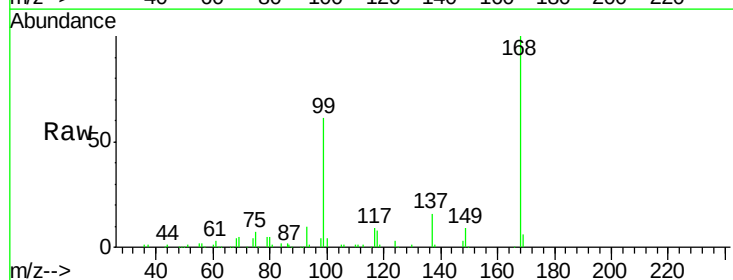
Instrument :
 MSVOA_D
 ClientSampleId :

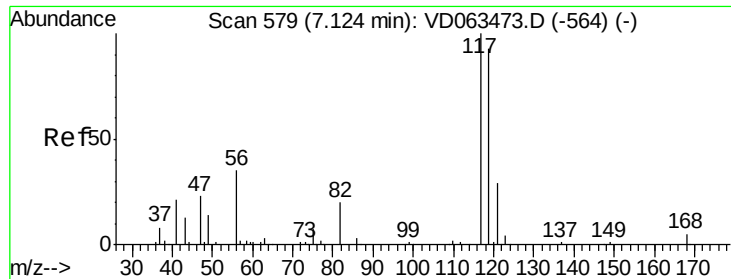
Tot Ion	Ratio	Lower	Upper
113	100		
111	106.0	83.1	124.7
192	17.0	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 5.793 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.12 min
 Lab File: VD063576.D
 Acq: 14 Aug 2019 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.6	52.8#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 5.335 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD063576.D

Acq: 14 Aug 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

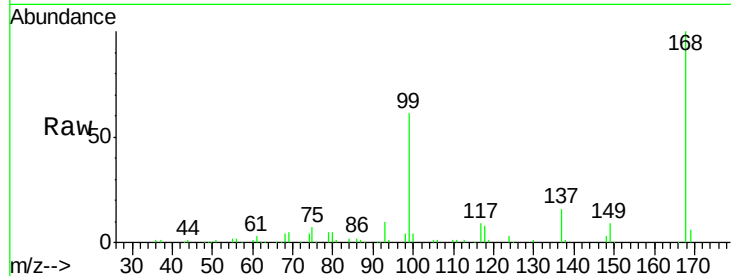
Tot Ion:117 Resp: 87196

Ion Ratio Lower Upper

117 100

119 5.8 74.2 111.2#

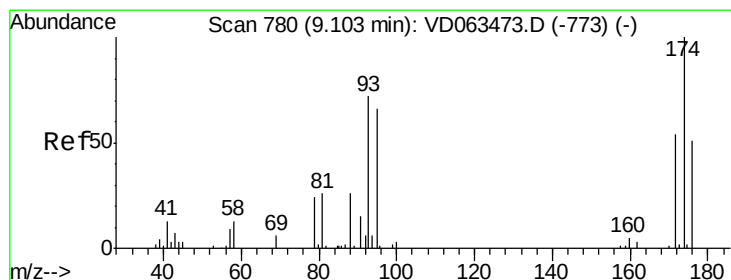
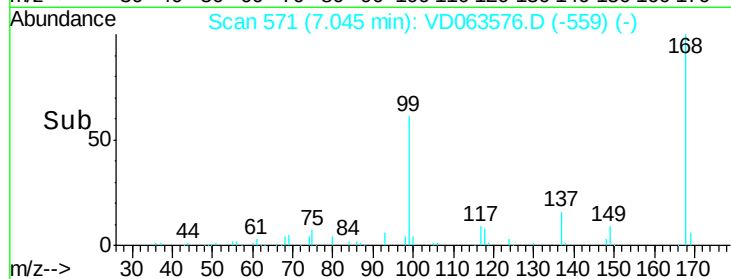
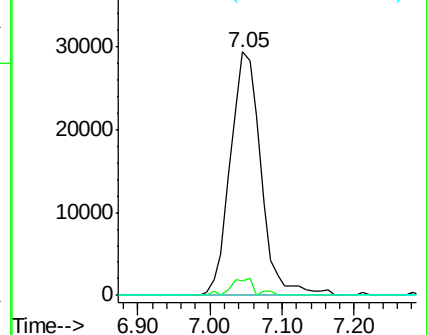
121 0.0 23.1 34.7#



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: 29.635 ug/l

RT: 8.63 min Scan# 732

Delta R.T. -0.47 min

Lab File: VD063576.D

Acq: 14 Aug 2019 16:16

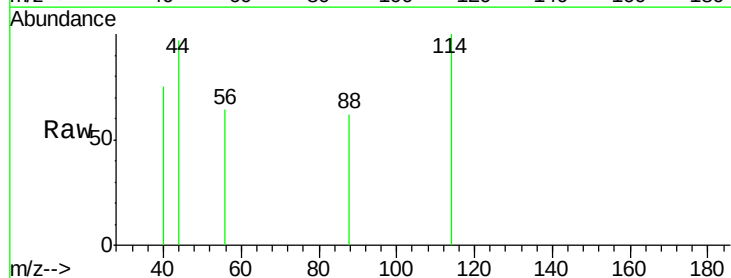
Tgt Ion: 88 Resp: 185

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

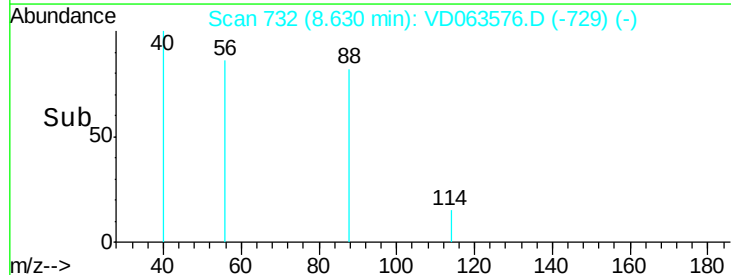
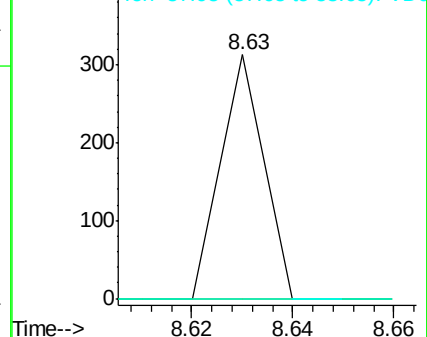
58 0.0 40.1 60.1#

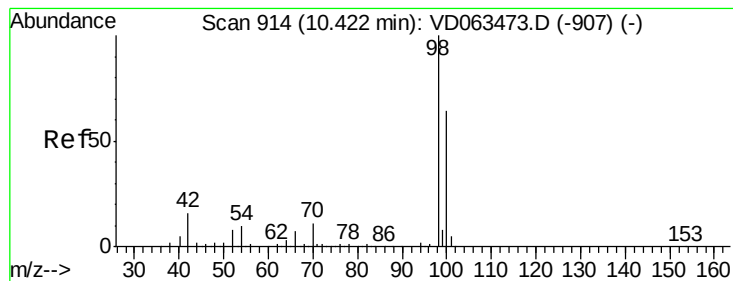


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.05 (42.75 to 43.75): V

Ion 57.95 (57.65 to 58.65): V





#50

Toluene-d8

Concen: 43.849 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD063576.D

Acq: 14 Aug 2019 16:16

Instrument :

MSVOA_D

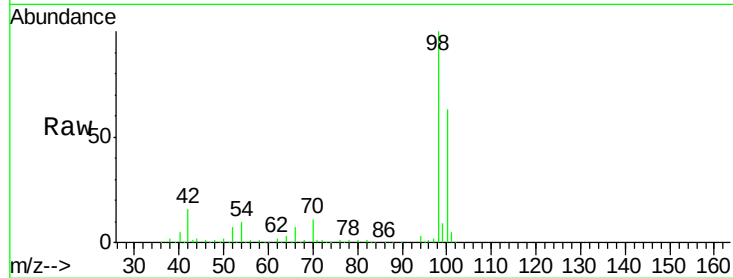
ClientSampleId :

Tot Ion: 98 Resp: 995984

Ion Ratio Lower Upper

98 100

100 63.4 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

400000

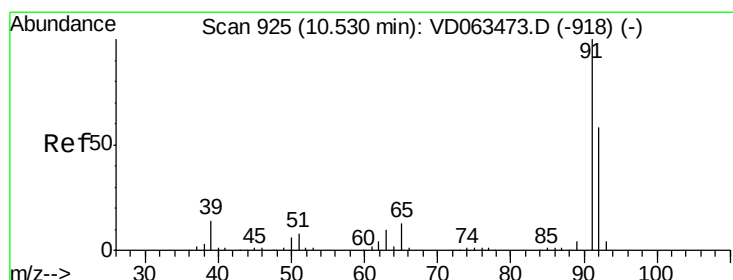
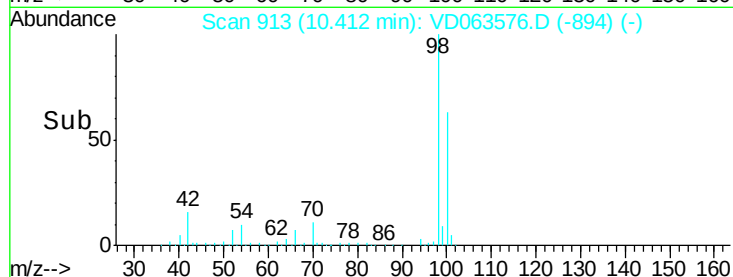
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 2.042 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD063576.D

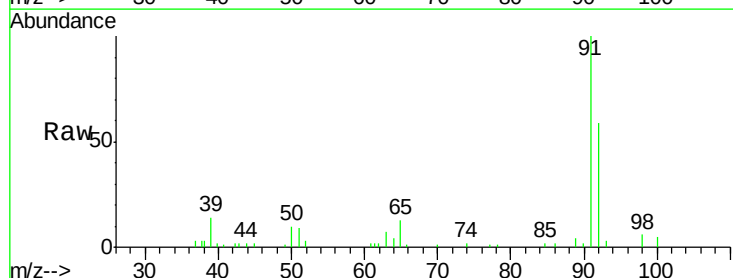
Acq: 14 Aug 2019 16:16

Tgt Ion: 92 Resp: 31382

Ion Ratio Lower Upper

92 100

91 169.1 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

30000

25000

20000

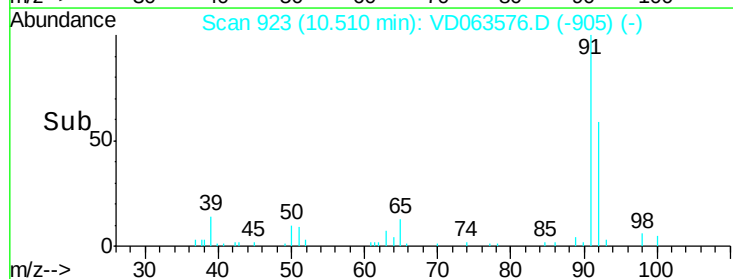
15000

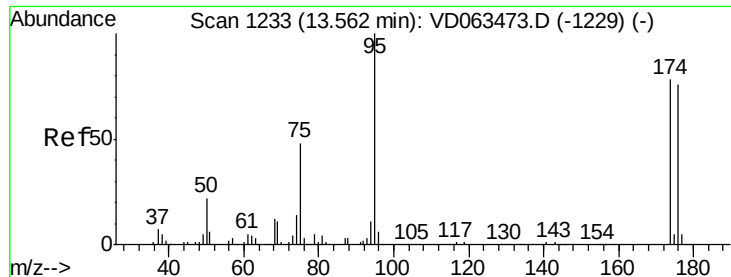
10000

5000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 33.498 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063576.D

Acq: 14 Aug 2019 16:16

Instrument :

MSVOA_D

ClientSampled :

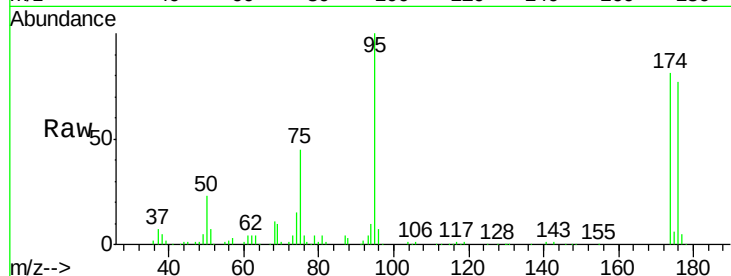
Tot Ion: 95 Resp: 344865

Ion Ratio Lower Upper

95 100

174 80.5 0.0 155.4

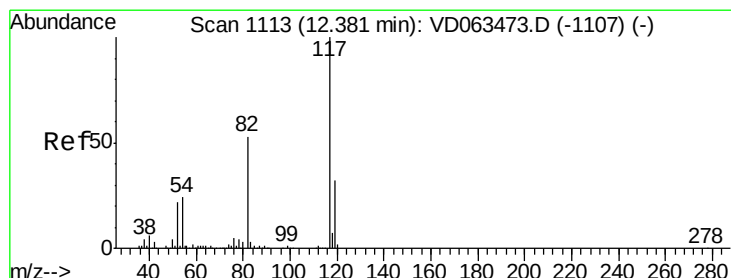
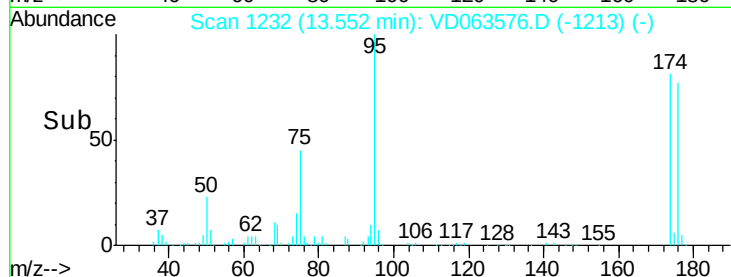
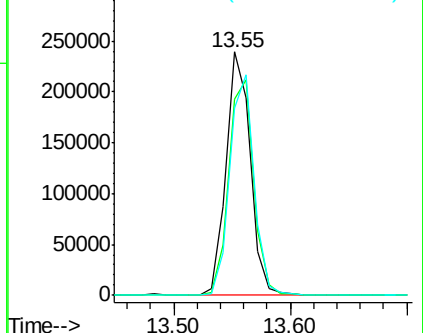
176 77.1 0.0 152.4



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: 12.37 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VD063576.D

Acq: 14 Aug 2019 16:16

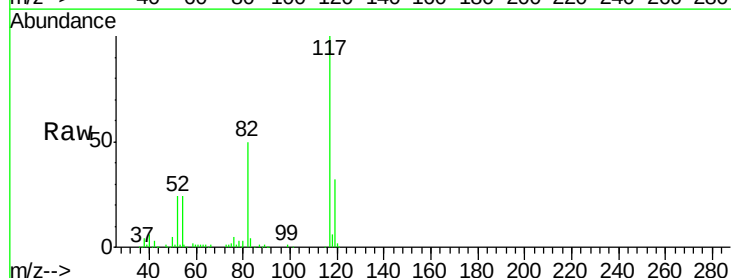
Tgt Ion: 117 Resp: 857465

Ion Ratio Lower Upper

117 100

82 50.1 42.0 63.0

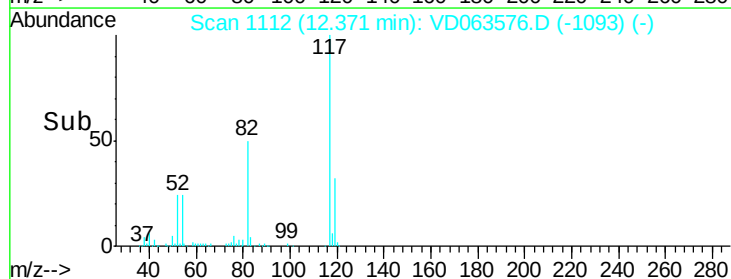
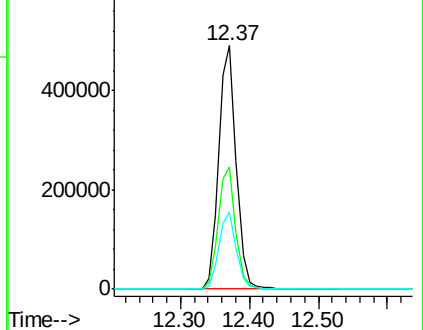
119 31.9 25.4 38.0

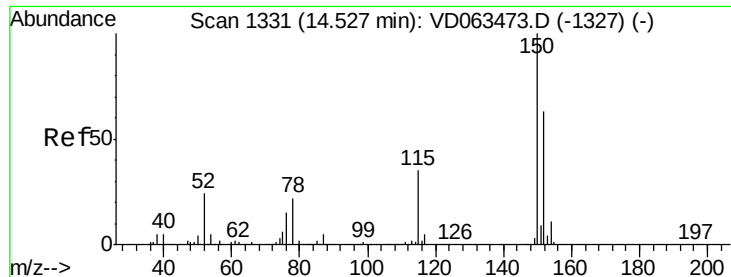


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063576.D

Acq: 14 Aug 2019 16:16

Instrument :

MSVOA_D

ClientSampled :

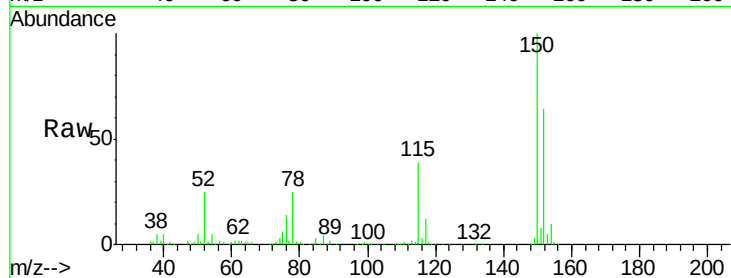
Tot Ion:152 Resp: 345557

Ion Ratio Lower Upper

152 100

115 61.5 30.9 92.7

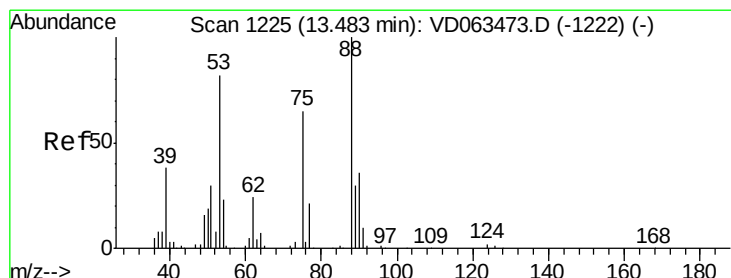
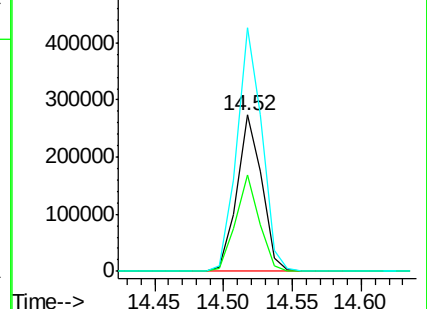
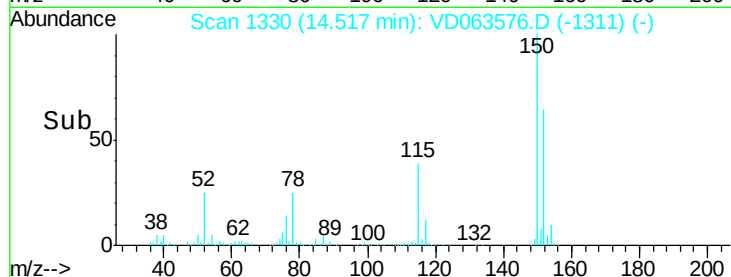
150 156.0 0.0 318.6



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: 143.852 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063576.D

Acq: 14 Aug 2019 16:16

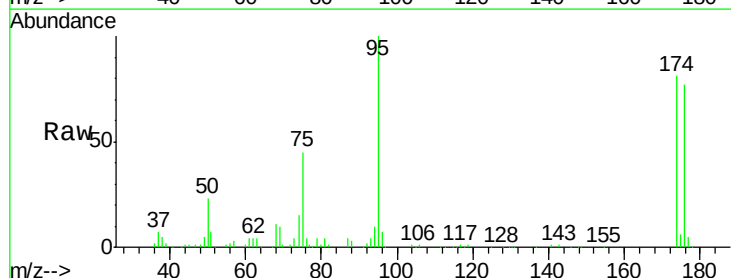
Tgt Ion: 75 Resp: 153334

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

