

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012720\
 Data File : VD064966.D
 Acq On : 27 Jan 2020 16:25
 Operator : VA/SY
 Sample : L1242-10RE
 Misc : 5.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20200063-AMENDED-COMP-1RE

Quant Time: Jan 27 22:42:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

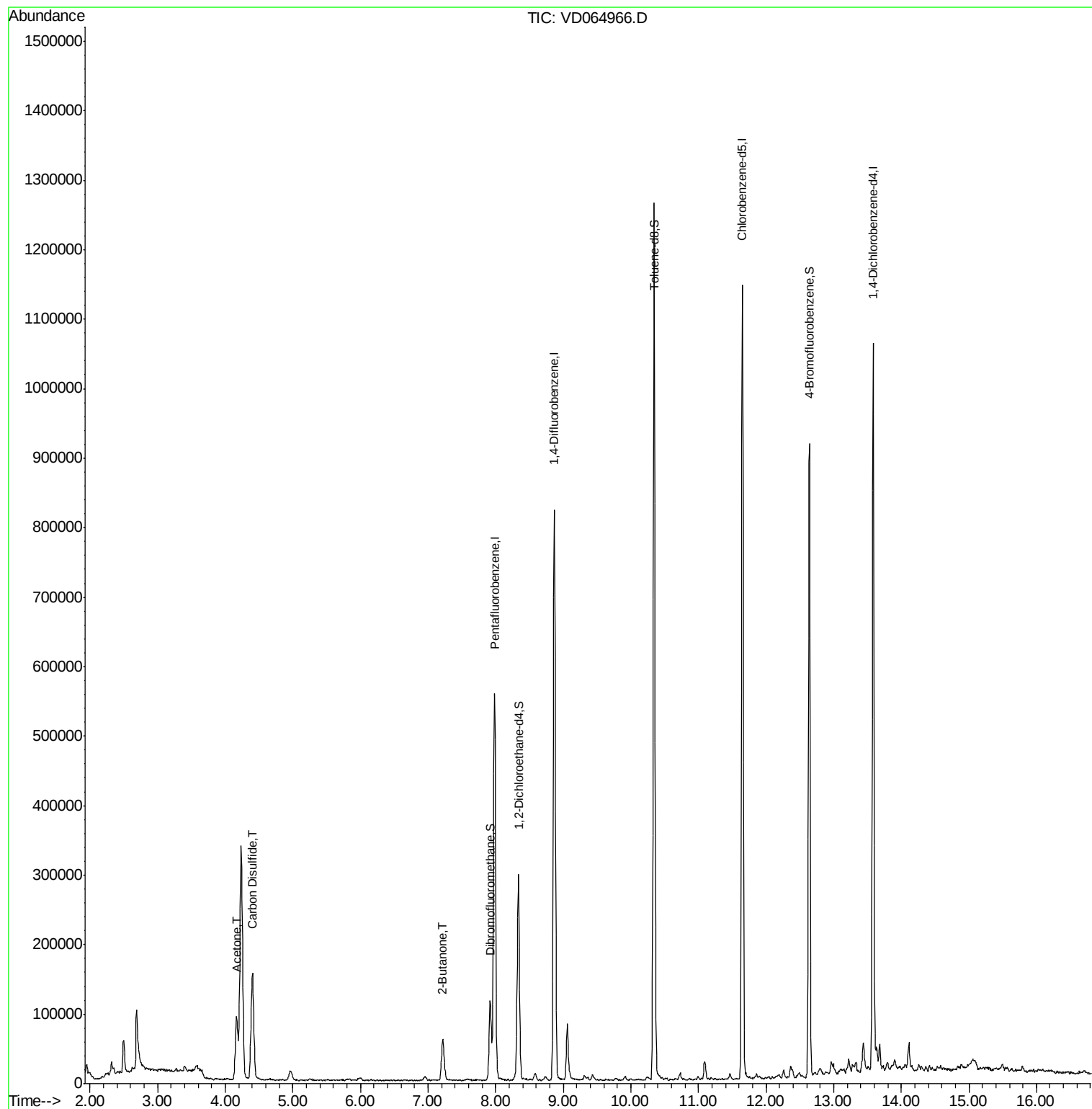
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	425439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	702743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	657449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274690	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	232851	57.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.12%	
35) Dibromofluoromethane	7.92	113	80544	18.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	36.48%	
50) Toluene-d8	10.34	98	848227	49.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.64	95	276185	52.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.90%	
Target Compounds						
16) Acetone	4.16	43	167016	167.407	ug/l	95
17) Carbon Disulfide	4.41	76	326112	26.756	ug/l	99
25) 2-Butanone	7.22	43	42573	38.615	ug/l	99

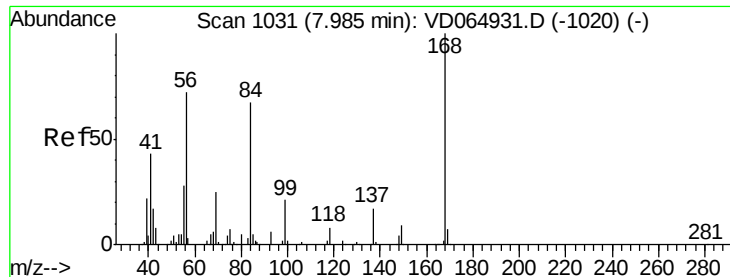
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

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Acq: 27 Jan 2020 16:25

Instrument :

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ClientSampleId :

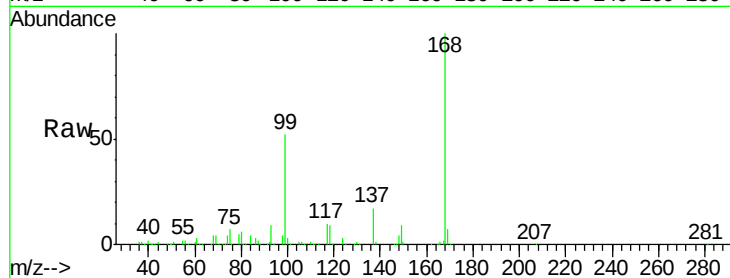
20200063-AMENDED-COMP-1RE

Tot Ion:168 Resp: 425439

Ion Ratio Lower Upper

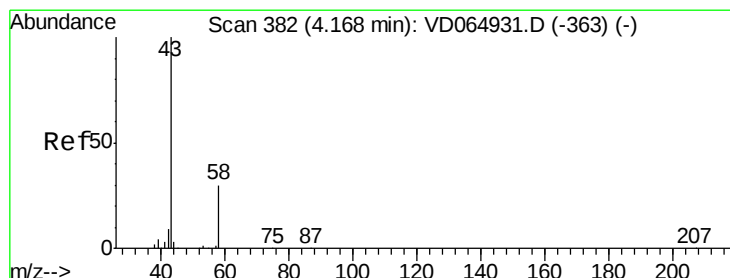
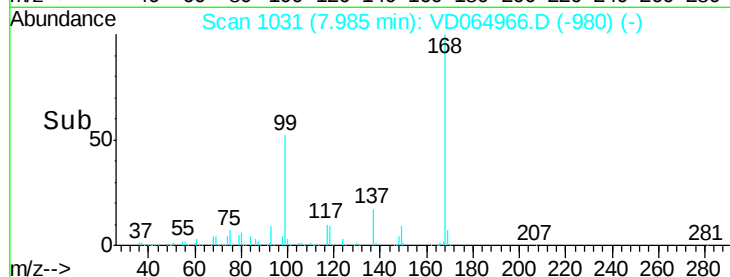
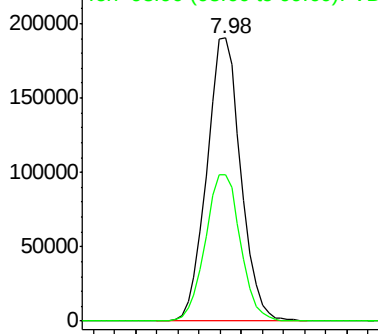
168 100

99 51.9 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 167.407 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064966.D

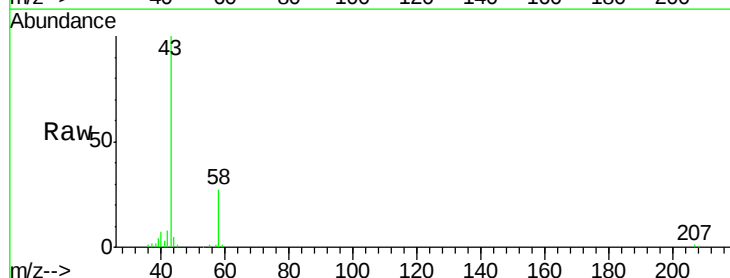
Acq: 27 Jan 2020 16:25

Tgt Ion: 43 Resp: 167016

Ion Ratio Lower Upper

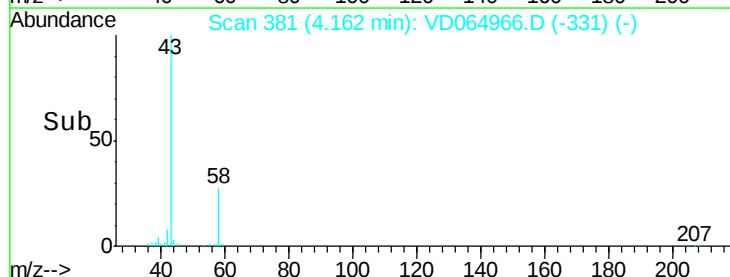
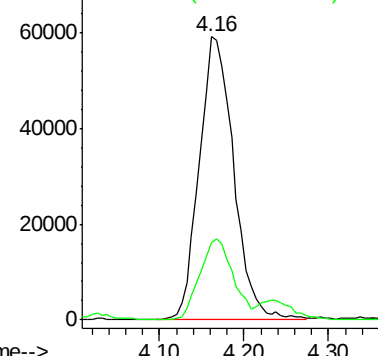
43 100

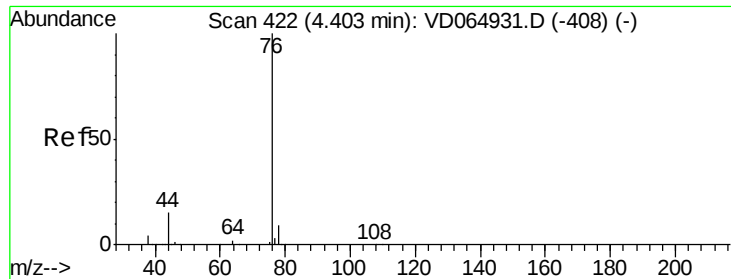
58 27.1 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 26.756 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD064966.D

Acq: 27 Jan 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

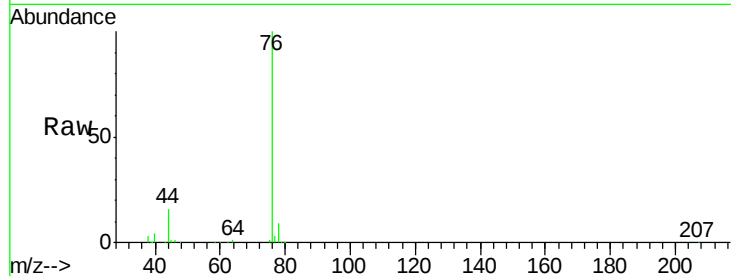
20200063-AMENDED-COMP-1RE

Tot Ion: 76 Resp: 326112

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

120000

100000

80000

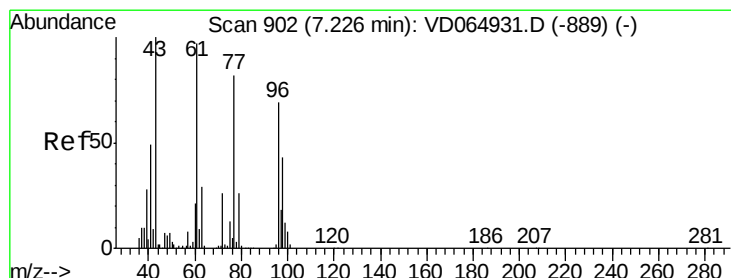
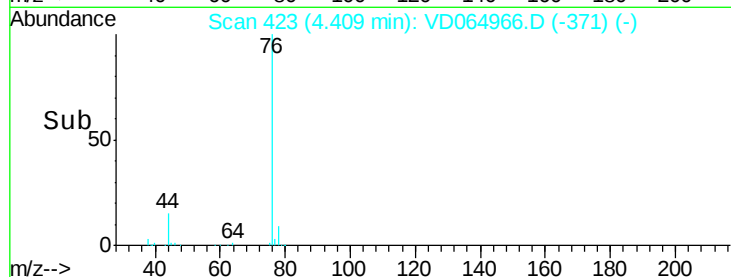
60000

40000

20000

0

Time-->



#25

2-Butanone

Concen: 38.615 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064966.D

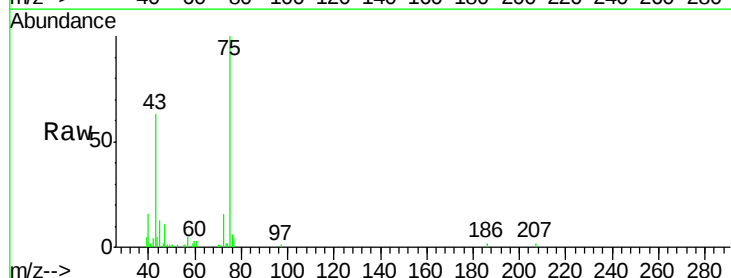
Acq: 27 Jan 2020 16:25

Tgt Ion: 43 Resp: 42573

Ion Ratio Lower Upper

43 100

72 25.3 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

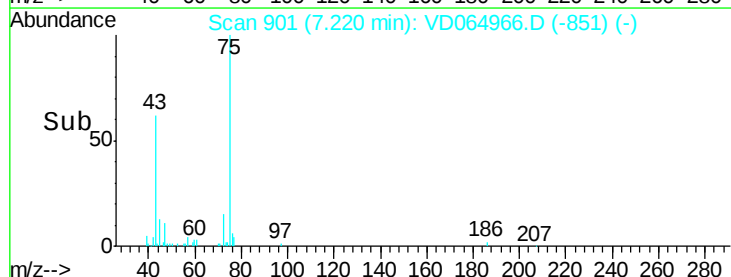
15000

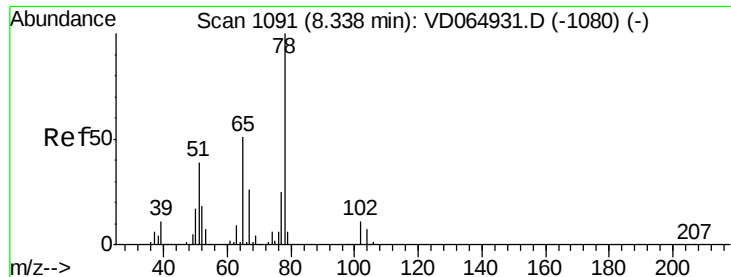
10000

5000

0

Time-->

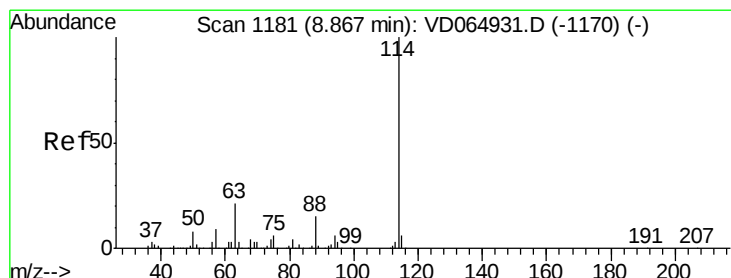
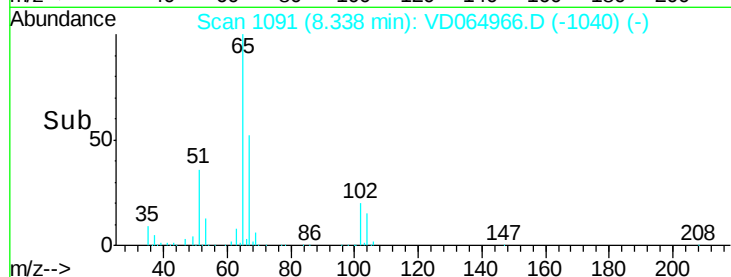
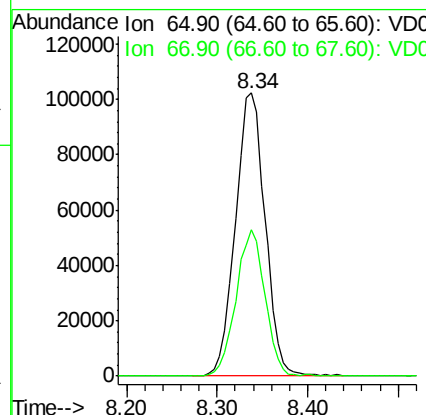
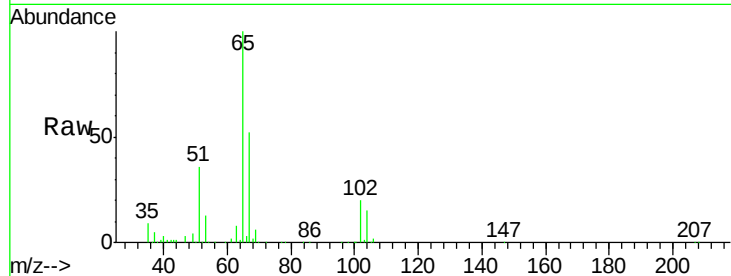




#33
 1,2-Dichloroethane-d4
 Concen: 57.059 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064966.D
 Acq: 27 Jan 2020 16:25

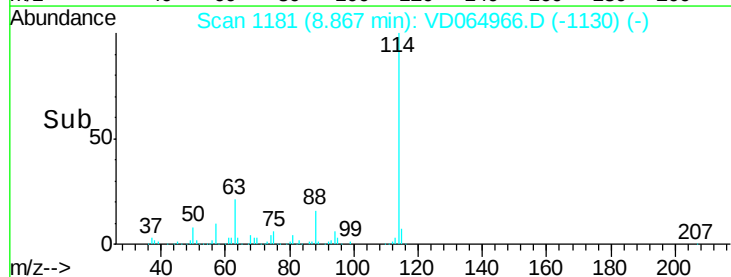
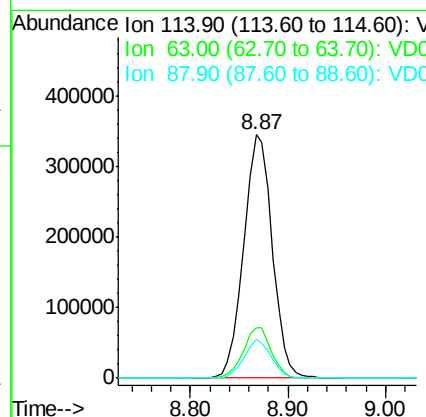
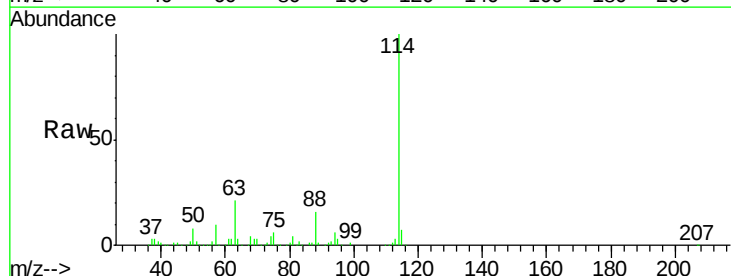
Instrument :
 MSVOA_D
 ClientSampleId :
 20200063-AMENDED-COMP-1RE

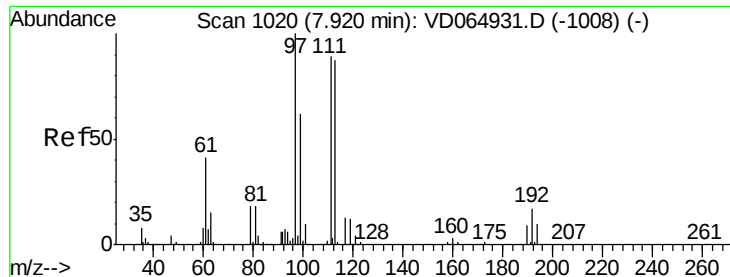
Tot Ion: 65 Resp: 232851
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064966.D
 Acq: 27 Jan 2020 16:25

Tgt Ion: 114 Resp: 702743
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.0
 88 15.8 0.0 29.4





#35

Dibromofluoromethane

Concen: 18.239 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064966.D

Acq: 27 Jan 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

20200063-AMENDED-COMP-1RE

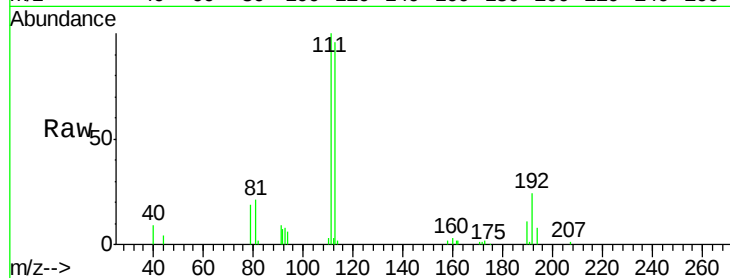
Tot Ion:113 Resp: 80544

Ion Ratio Lower Upper

113 100

111 104.1 82.4 123.6

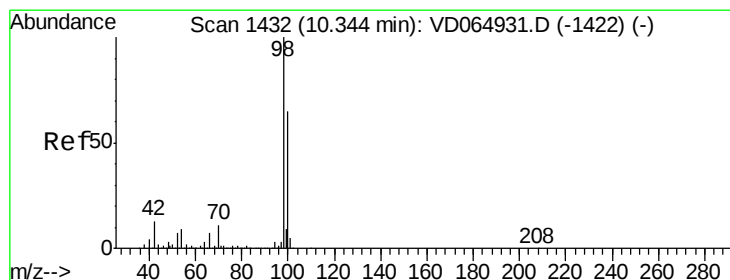
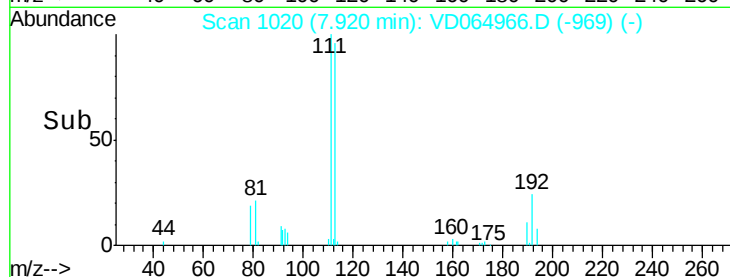
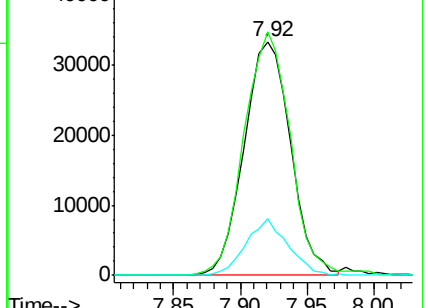
192 21.9 16.9 25.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 49.765 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064966.D

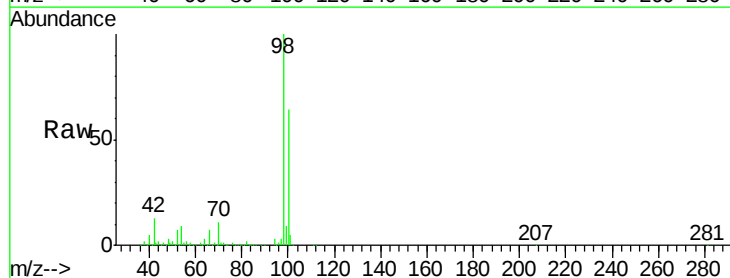
Acq: 27 Jan 2020 16:25

Tgt Ion: 98 Resp: 848227

Ion Ratio Lower Upper

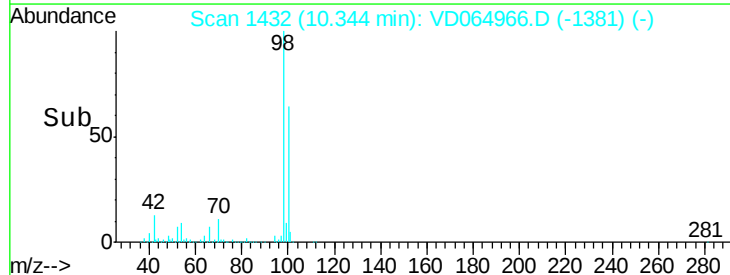
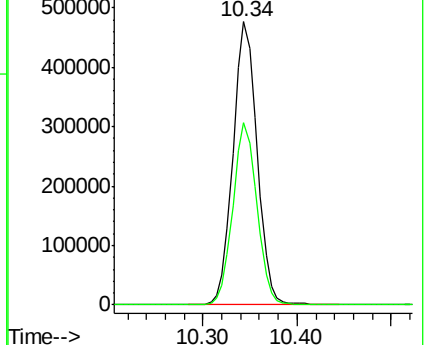
98 100

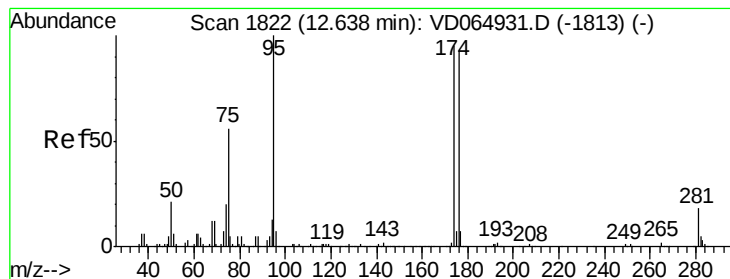
100 64.1 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.950 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064966.D

Acq: 27 Jan 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

20200063-AMENDED-COMP-1RE

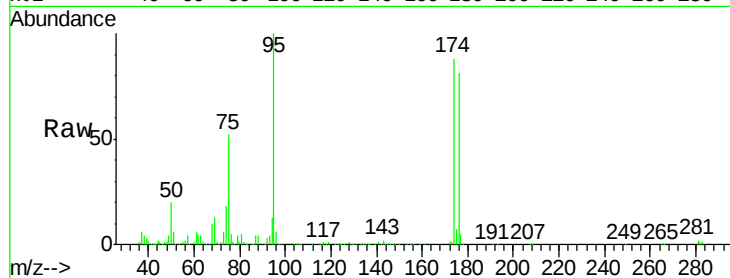
Tot Ion: 95 Resp: 276185

Ion Ratio Lower Upper

95 100

174 91.8 0.0 186.8

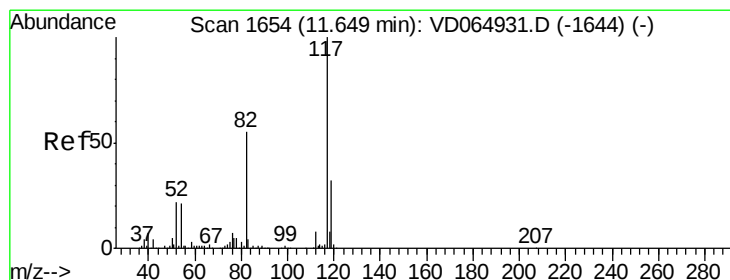
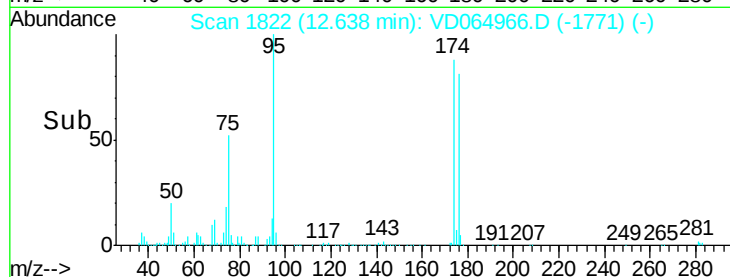
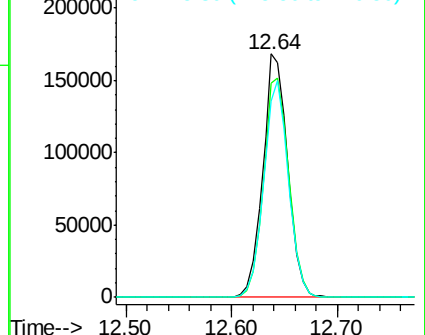
176 88.0 0.0 183.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064966.D

Acq: 27 Jan 2020 16:25

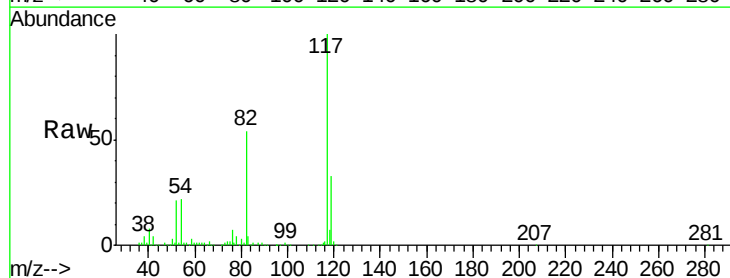
Tgt Ion: 117 Resp: 657449

Ion Ratio Lower Upper

117 100

82 53.9 43.6 65.4

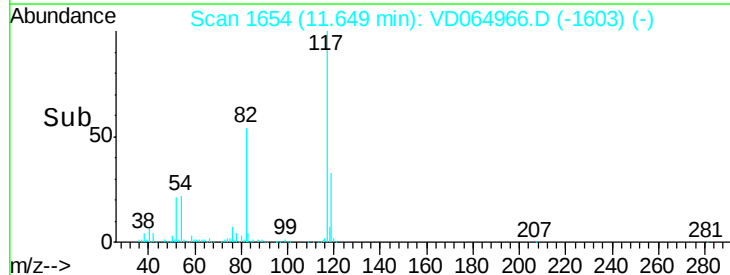
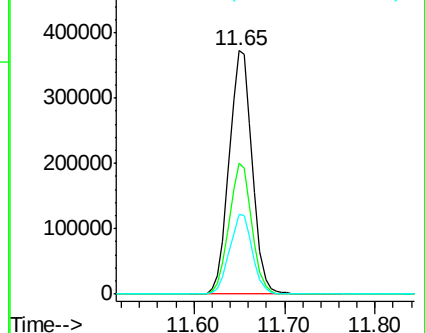
119 32.8 25.2 37.8

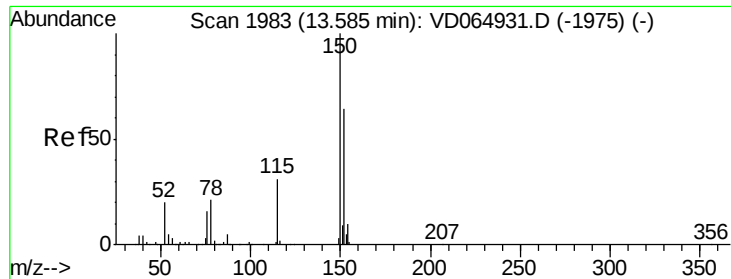


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD064966.D

Acq: 27 Jan 2020 16:25

Instrument :

MSVOA_D

ClientSampleId :

20200063-AMENDED-COMP-1RE

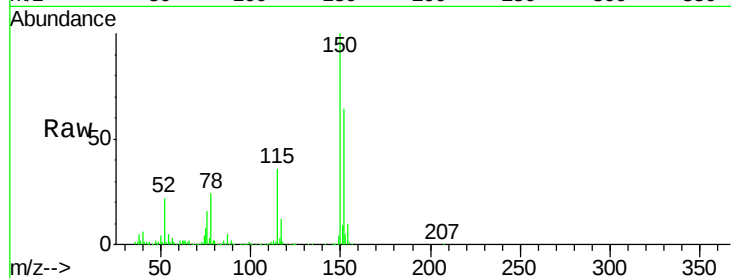
Tot Ion:152 Resp: 274690

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.4

150 156.9 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

