

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080519\
 Data File : VD063383.D
 Acq On : 5 Aug 2019 16:22
 Operator : VA/AP
 Sample : K4095-03
 Misc : 5.40g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-080219-B

Quant Time: Aug 06 07:50:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1105850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1560074	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1220022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	634035	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	502175	40.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.86%	
35) Dibromofluoromethane	6.92	113	619148	46.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.96%	
50) Toluene-d8	10.41	98	1283088	43.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.08%	
62) 4-Bromofluorobenzene	13.55	95	539291	39.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.40%	

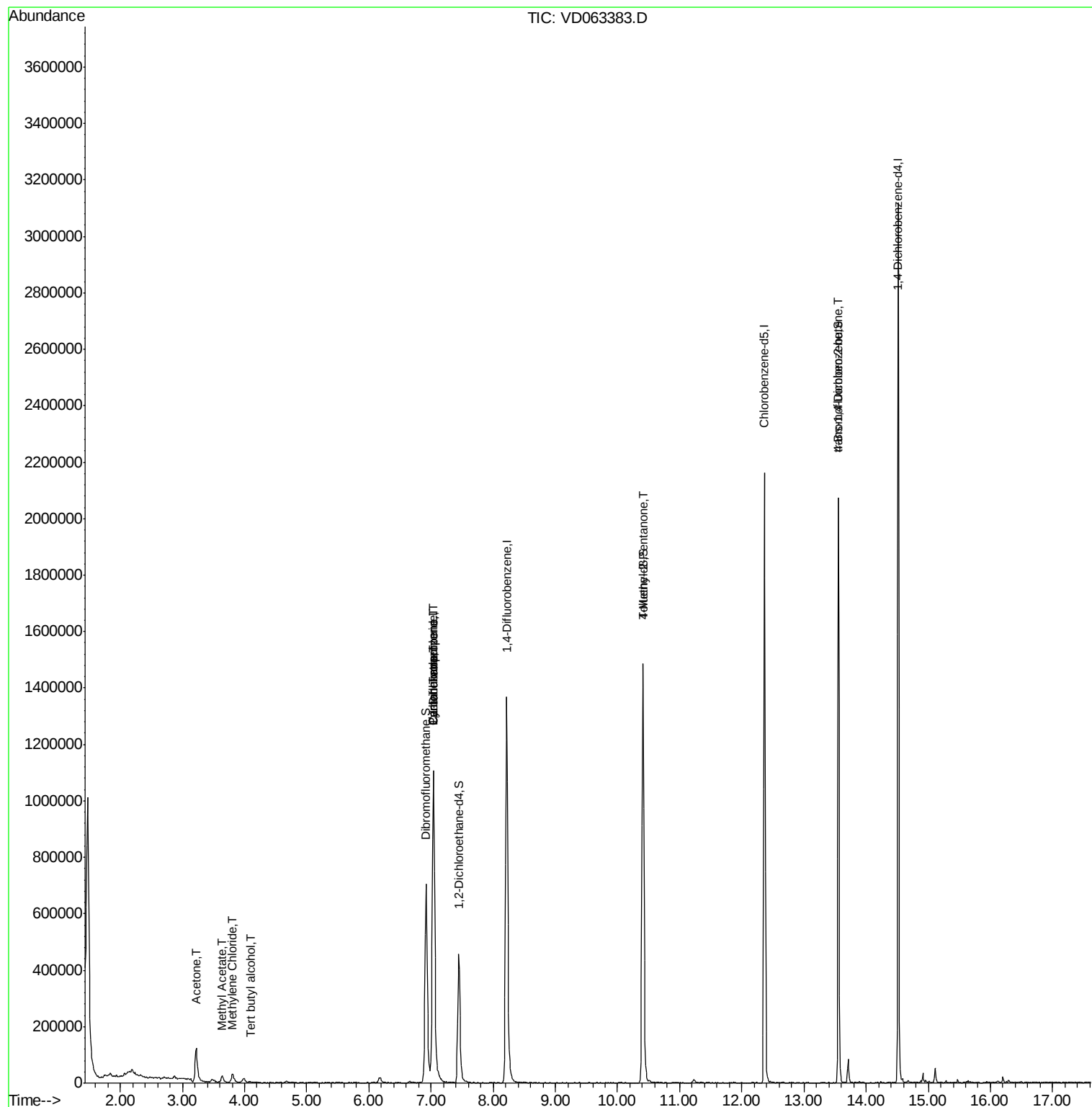
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.09	59	5182	9.623	ug/l	95
16) Acetone	3.23	43	239952	100.366	ug/l	99
18) Methyl Acetate	3.64	43	44277	9.642	ug/l	98
20) Methylene Chloride	3.81	84	17497	1.811	ug/l #	84
31) Cyclohexane	7.04	56	22652	2.072	ug/l #	6
36) 1,1-Dichloropropene	7.04	75	81109	5.697	ug/l #	53
38) Carbon Tetrachloride	7.04	117	107313	5.007	ug/l #	14
51) 4-Methyl-2-Pentanone	10.40	43	5810	1.046	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	254638	120.414	ug/l #	3

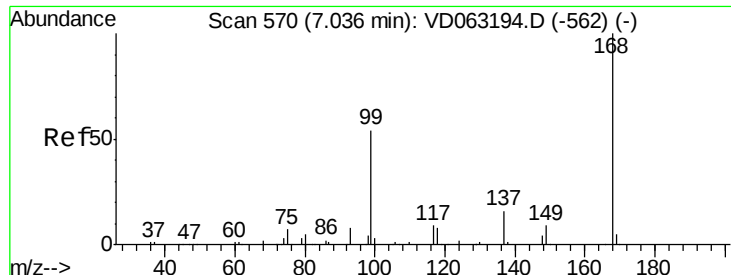
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063383.D

Acq: 5 Aug 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

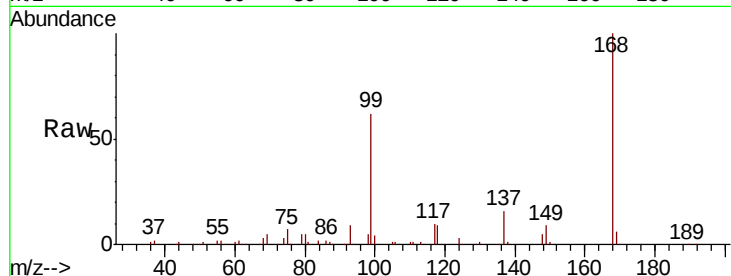
SU-02-080219-B

Tgt Ion:168 Resp: 1105850

Ion Ratio Lower Upper

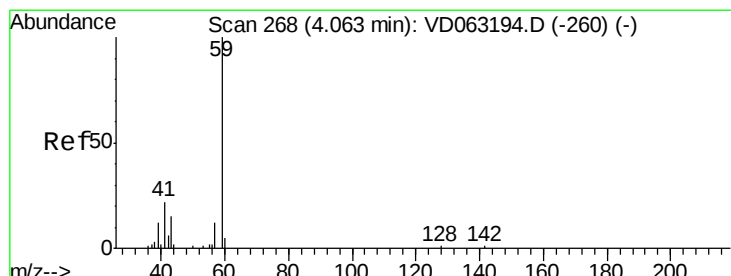
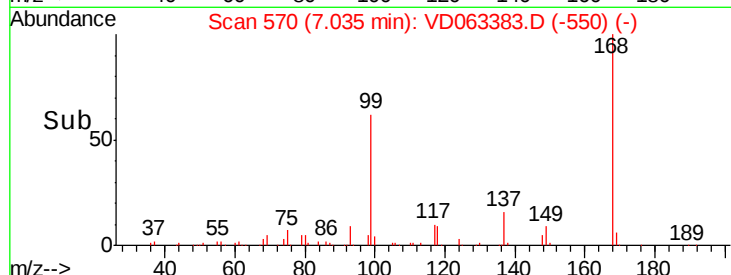
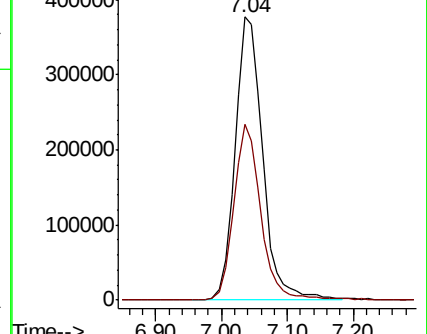
168 100

99 62.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 9.623 ug/l

RT: 4.09 min Scan# 271

Delta R.T. 0.03 min

Lab File: VD063383.D

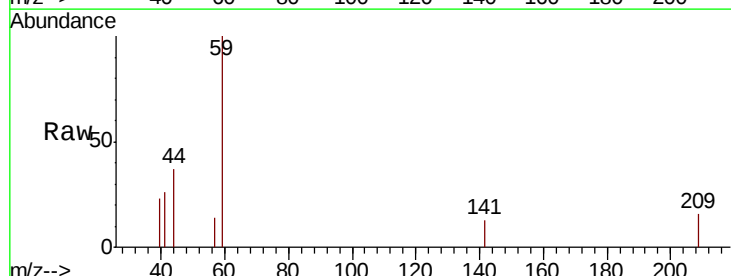
Acq: 5 Aug 2019 16:22

Tgt Ion: 59 Resp: 5182

Ion Ratio Lower Upper

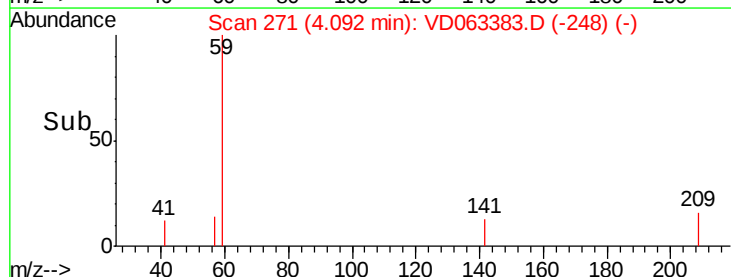
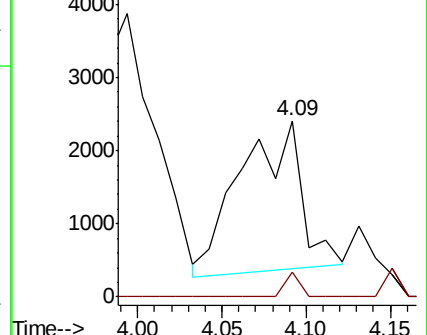
59 100

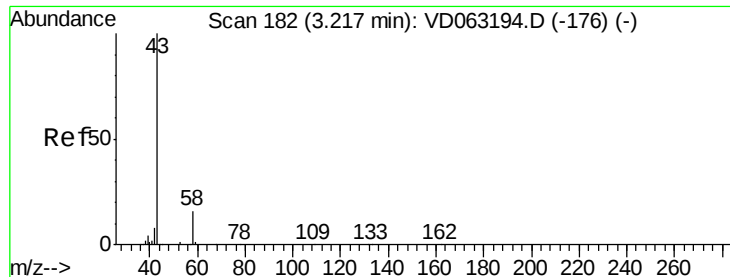
57 14.0 9.6 14.4



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 100.366 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063383.D

Acq: 5 Aug 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

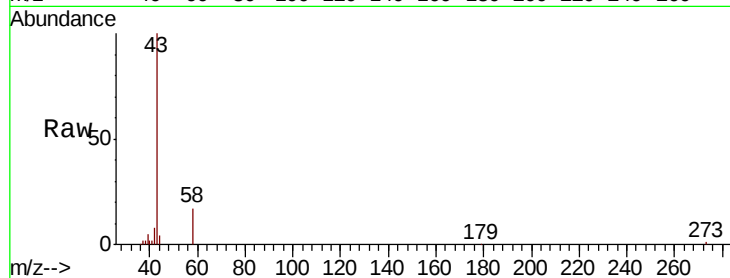
SU-02-080219-B

Tgt Ion: 43 Resp: 239952

Ion Ratio Lower Upper

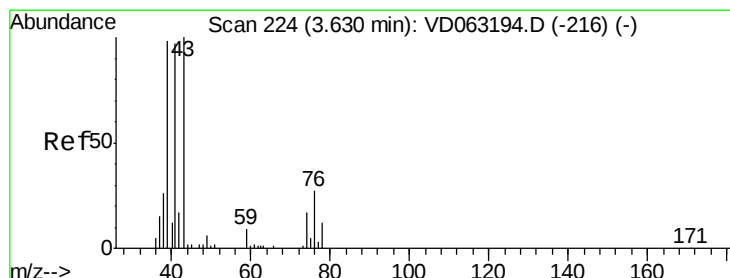
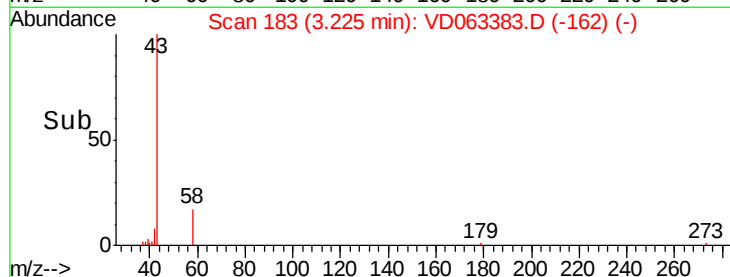
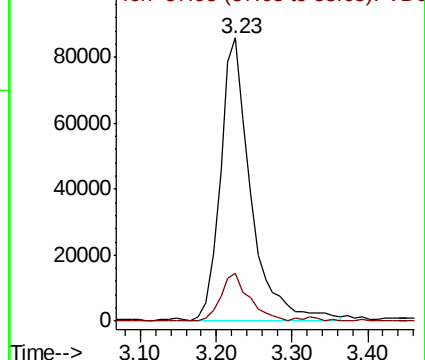
43 100

58 16.7 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 9.642 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD063383.D

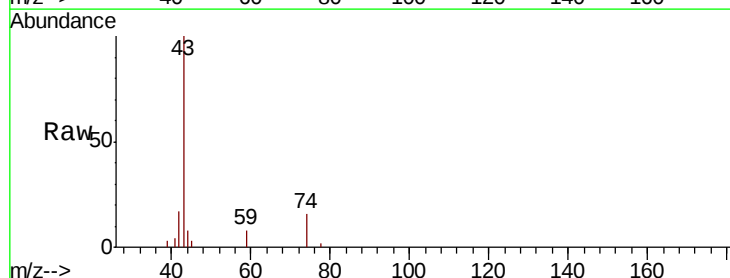
Acq: 5 Aug 2019 16:22

Tgt Ion: 43 Resp: 44277

Ion Ratio Lower Upper

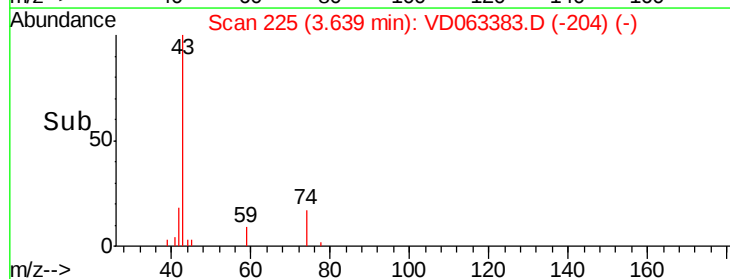
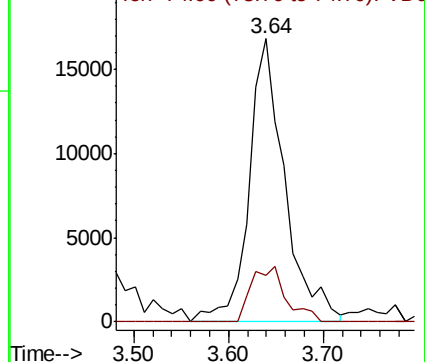
43 100

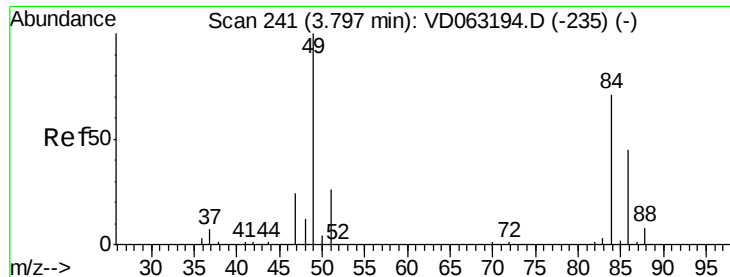
74 16.2 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

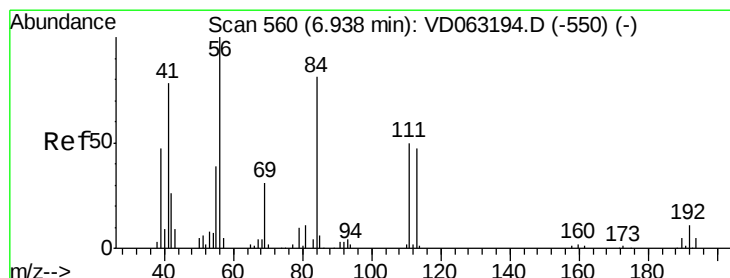
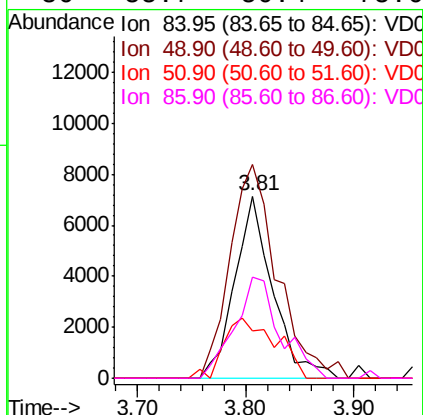
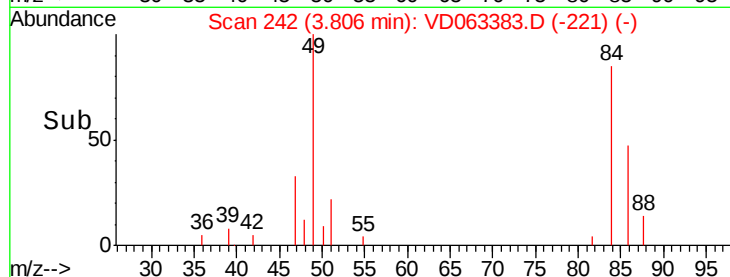
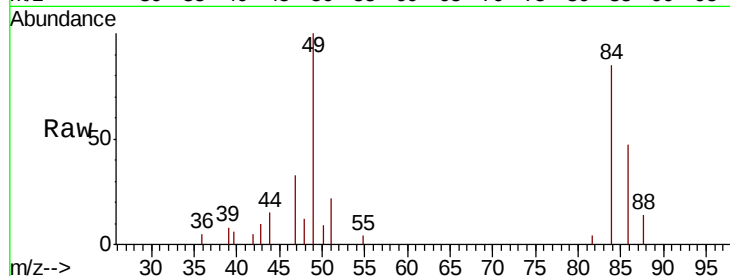




#20
Methylene Chloride
Concen: 1.811 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063383.D
Acq: 5 Aug 2019 16:22

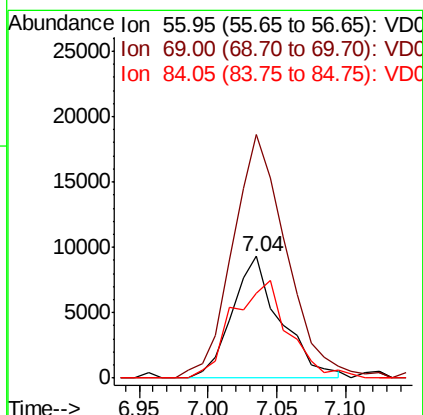
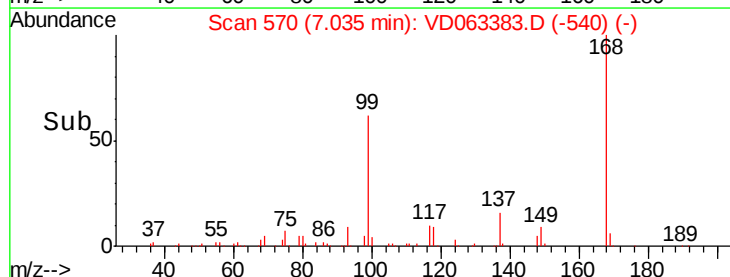
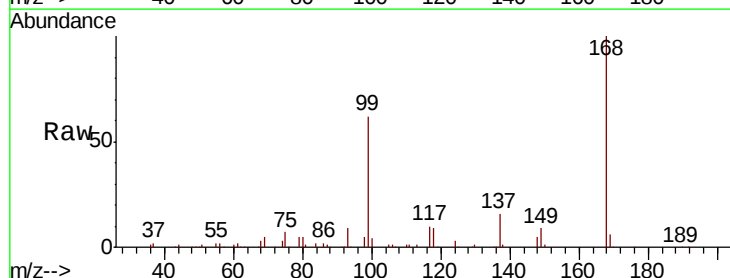
Instrument :
MSVOA_D
ClientSampleId :
SU-02-080219-B

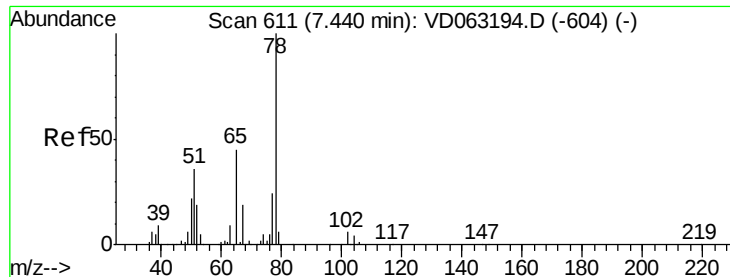
Tgt Ion: 84 Resp: 17497
Ion Ratio Lower Upper
84 100
49 117.4 112.5 168.7
51 26.3 29.6 44.4#
86 55.7 50.4 75.6



#31
Cyclohexane
Concen: 2.072 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063383.D
Acq: 5 Aug 2019 16:22

Tgt Ion: 56 Resp: 22652
Ion Ratio Lower Upper
56 100
69 200.6 24.5 36.7#
84 70.2 64.9 97.3





#33

1,2-Dichloroethane-d4

Concen: 40.926 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063383.D

Acq: 5 Aug 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

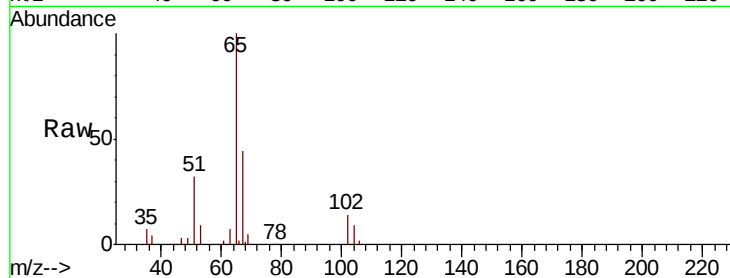
SU-02-080219-B

Tgt Ion: 65 Resp: 502175

Ion Ratio Lower Upper

65 100

67 44.5 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

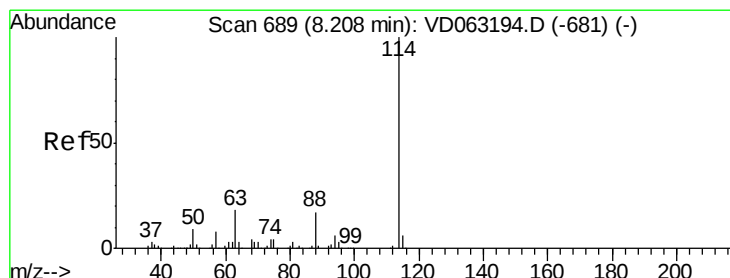
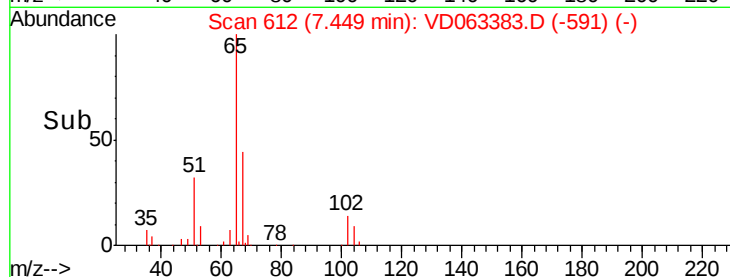
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063383.D

Acq: 5 Aug 2019 16:22

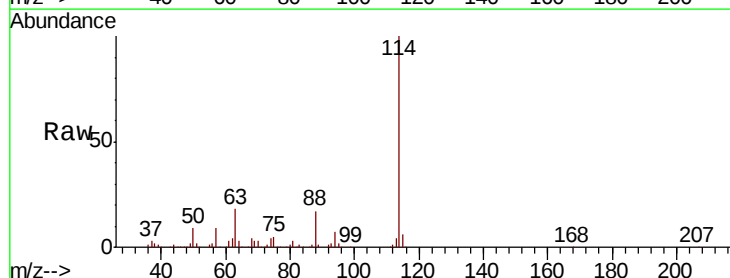
Tgt Ion: 114 Resp: 1560074

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.2

88 17.5 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

800000

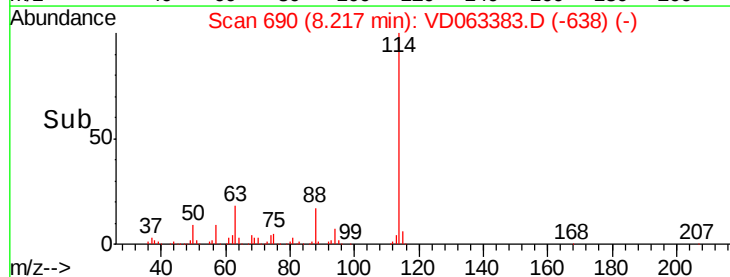
600000

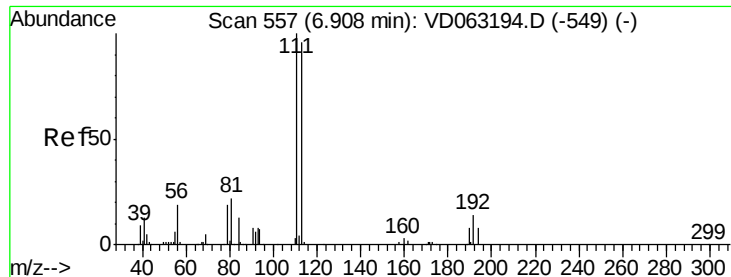
400000

200000

0

Time--> 8.00 8.20 8.40





#35

Dibromofluoromethane

Concen: 46.484 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063383.D

Acq: 5 Aug 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

SU-02-080219-B

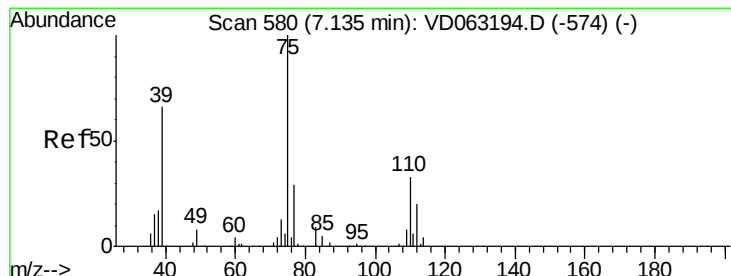
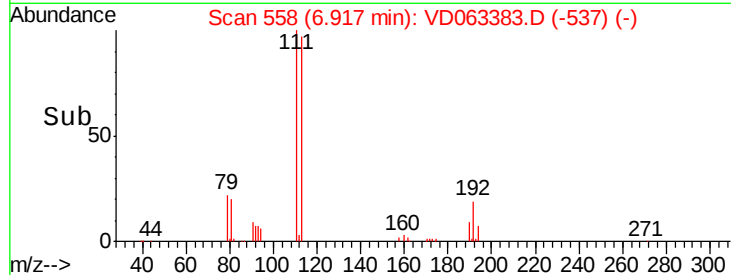
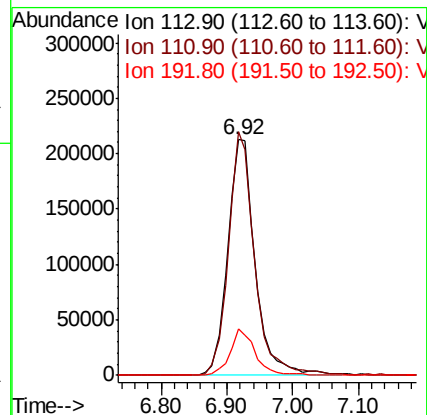
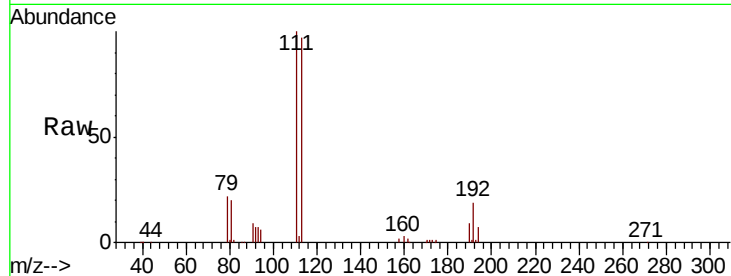
Tgt Ion:113 Resp: 619148

Ion Ratio Lower Upper

113 100

111 103.3 83.2 124.8

192 19.7 11.8 17.8#



#36

1,1-Dichloropropene

Concen: 5.697 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD063383.D

Acq: 5 Aug 2019 16:22

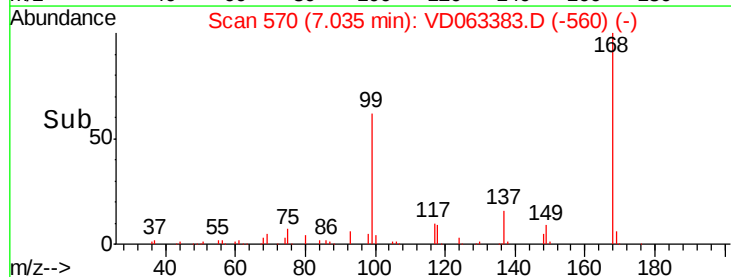
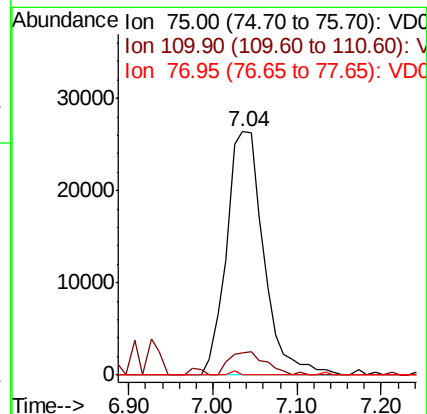
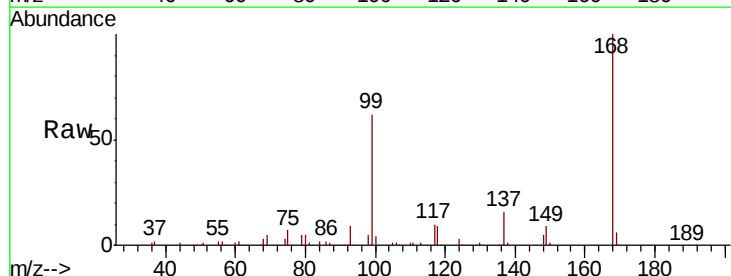
Tgt Ion: 75 Resp: 81109

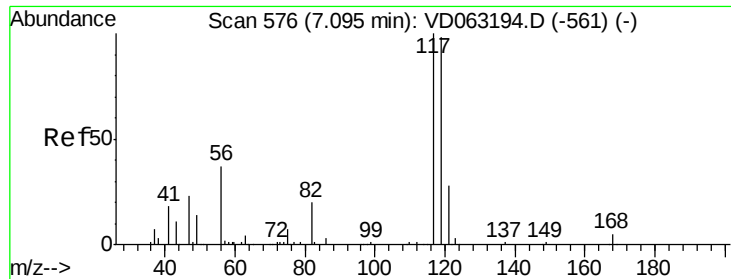
Ion Ratio Lower Upper

75 100

110 8.9 16.1 48.2#

77 0.0 22.7 34.1#





#38

Carbon Tetrachloride

Concen: 5.007 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063383.D

Acq: 5 Aug 2019 16:22

Instrument :

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ClientSampleId :

SU-02-080219-B

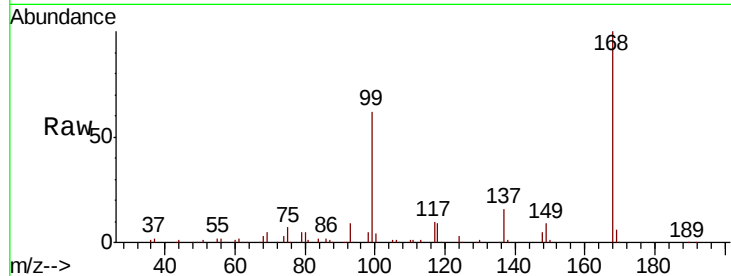
Tgt Ion:117 Resp: 107313

Ion Ratio Lower Upper

117 100

119 3.5 78.2 117.2#

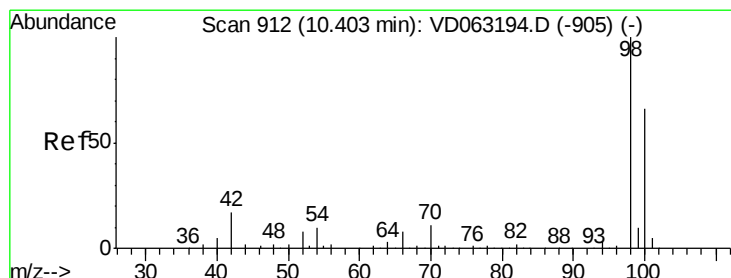
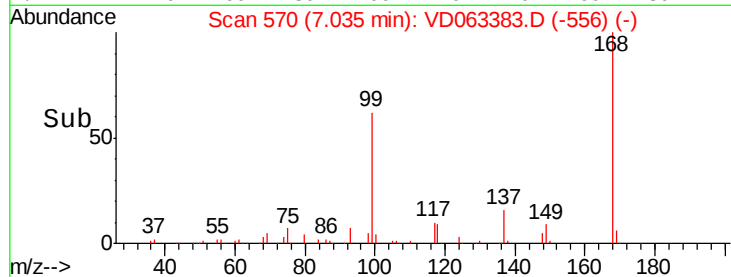
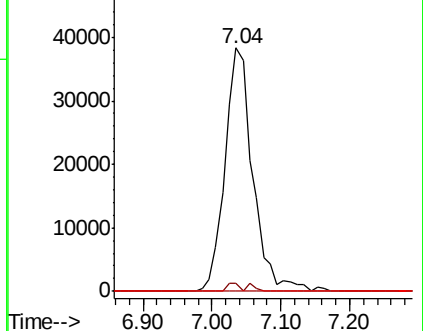
121 0.0 22.1 33.1#



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: 43.043 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063383.D

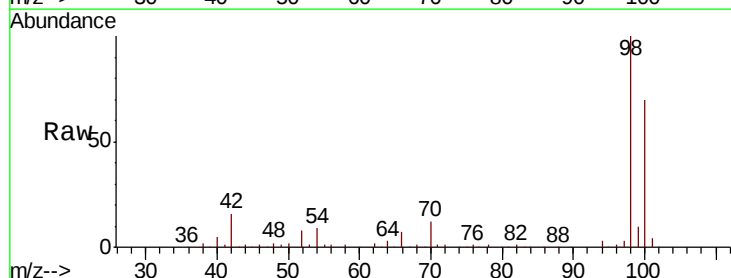
Acq: 5 Aug 2019 16:22

Tgt Ion: 98 Resp: 1283088

Ion Ratio Lower Upper

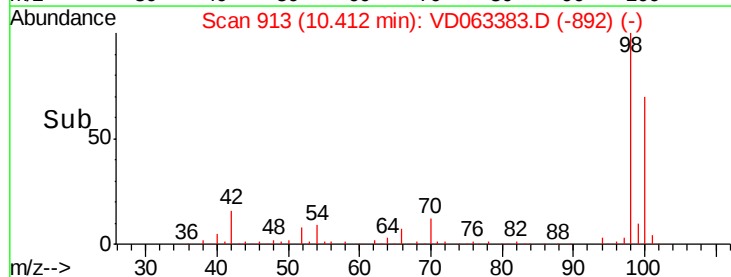
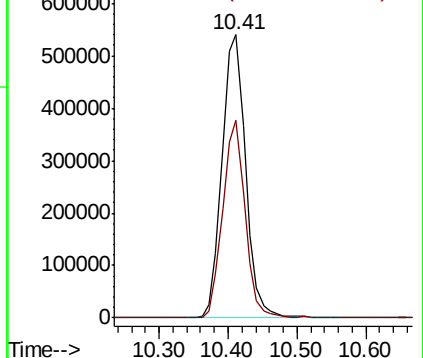
98 100

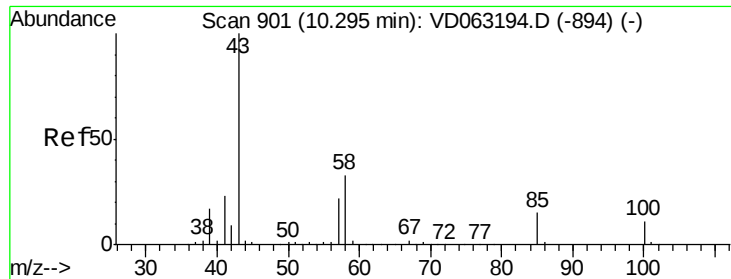
100 70.0 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.046 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD063383.D

Acq: 5 Aug 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

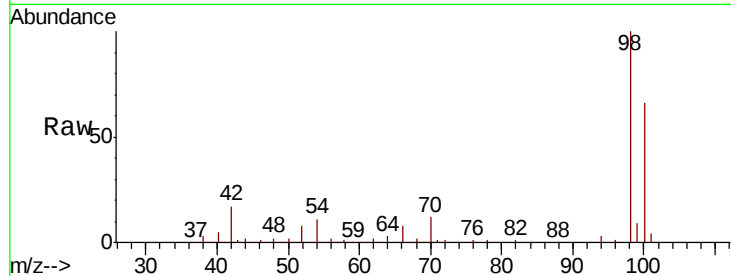
SU-02-080219-B

Tgt Ion: 43 Resp: 5810

Ion Ratio Lower Upper

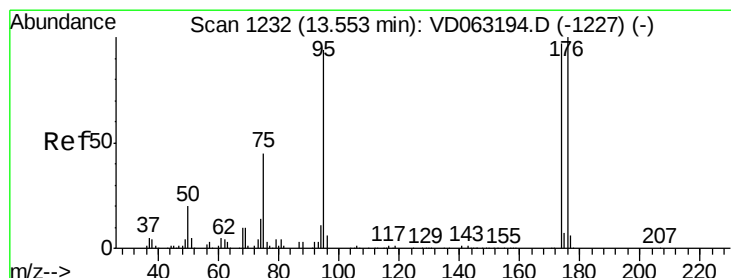
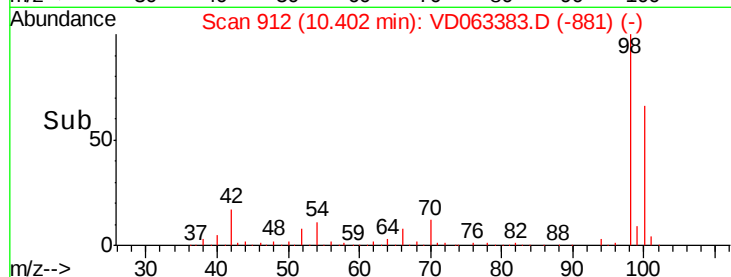
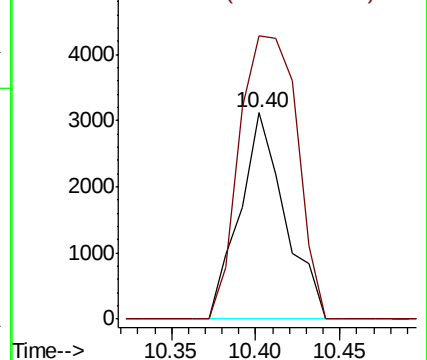
43 100

58 137.1 26.2 39.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 39.700 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063383.D

Acq: 5 Aug 2019 16:22

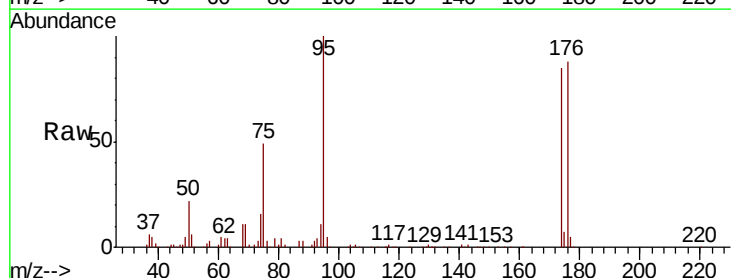
Tgt Ion: 95 Resp: 539291

Ion Ratio Lower Upper

95 100

174 84.7 0.0 205.4

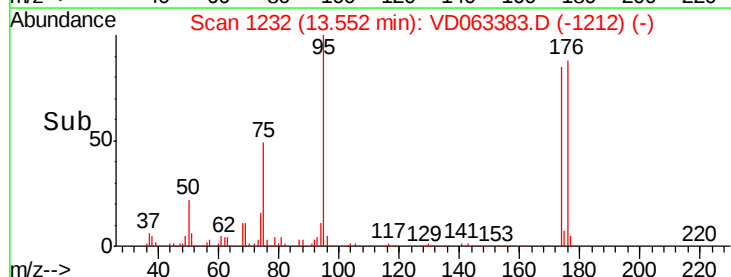
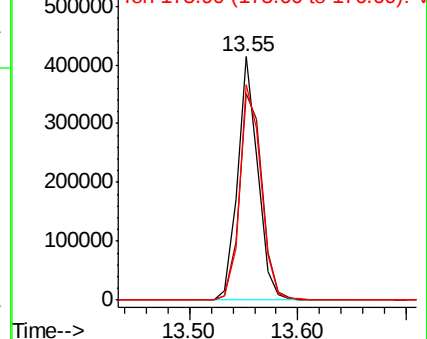
176 88.4 0.0 211.8

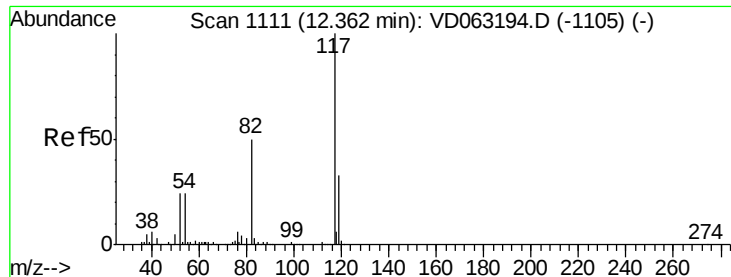


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

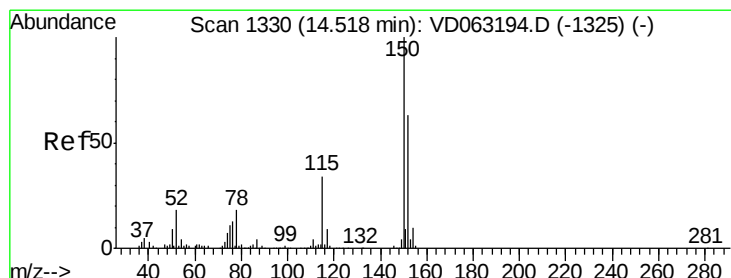
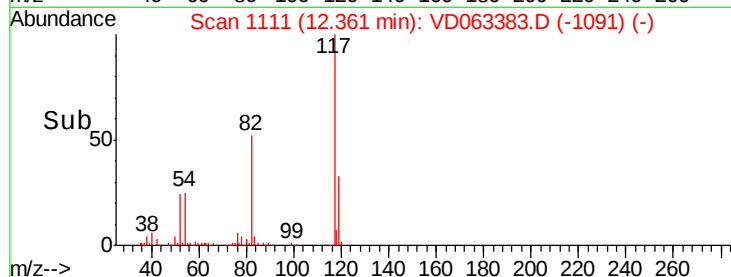
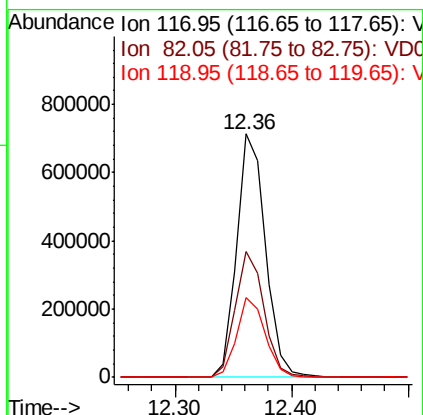
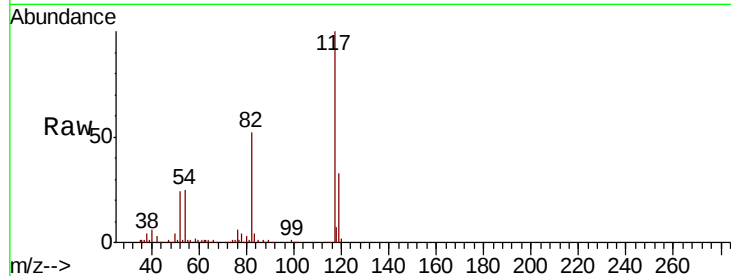




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063383.D
Acq: 5 Aug 2019 16:22

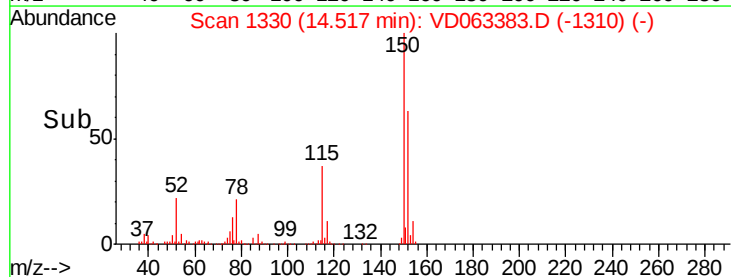
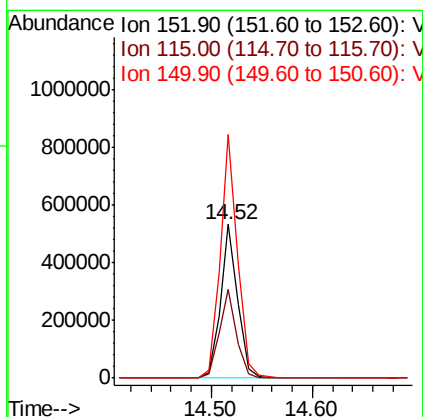
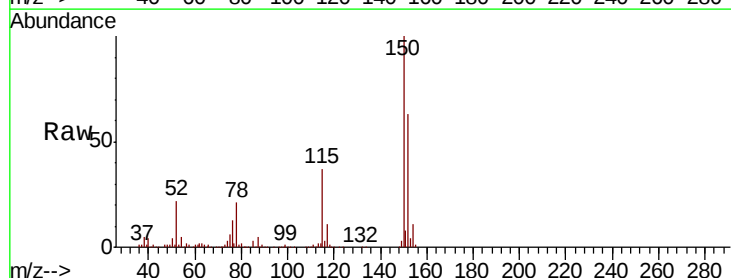
Instrument :
MSVOA_D
ClientSampleId :
SU-02-080219-B

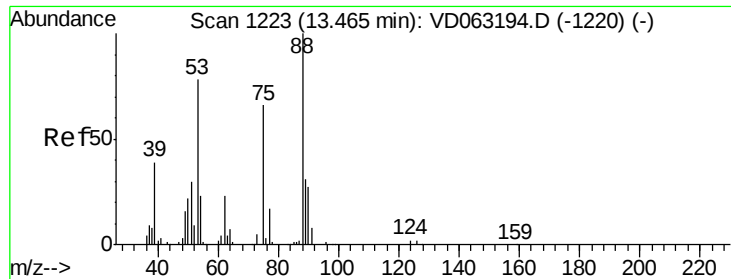
Tgt Ion:117 Resp: 1220022
Ion Ratio Lower Upper
117 100
82 51.7 40.1 60.1
119 32.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063383.D
Acq: 5 Aug 2019 16:22

Tgt Ion:152 Resp: 634035
Ion Ratio Lower Upper
152 100
115 58.1 27.5 82.4
150 158.5 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 120.414 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063383.D

Acq: 5 Aug 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

SU-02-080219-B

Tgt Ion: 75 Resp: 254638

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

