

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063578.D
 Acq On : 14 Aug 2019 17:10
 Operator : JC/SY
 Sample : K4328-01
 Misc : 5.40g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 12:00:53 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	1012432	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1553966	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1200288	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	622056	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	470009	43.43	ug/l	-0.01
Spiked Amount				50.000		
Recovery						86.86%
35) Dibromofluoromethane	6.92	113	530744	40.55	ug/l	-0.01
Spiked Amount				50.000		
Recovery						81.10%
50) Toluene-d8	10.41	98	1064228	36.99	ug/l	-0.01
Spiked Amount				50.000		
Recovery						73.98%
62) 4-Bromofluorobenzene	13.56	95	432165	33.14	ug/l	0.00
Spiked Amount				50.000		
Recovery						66.28%

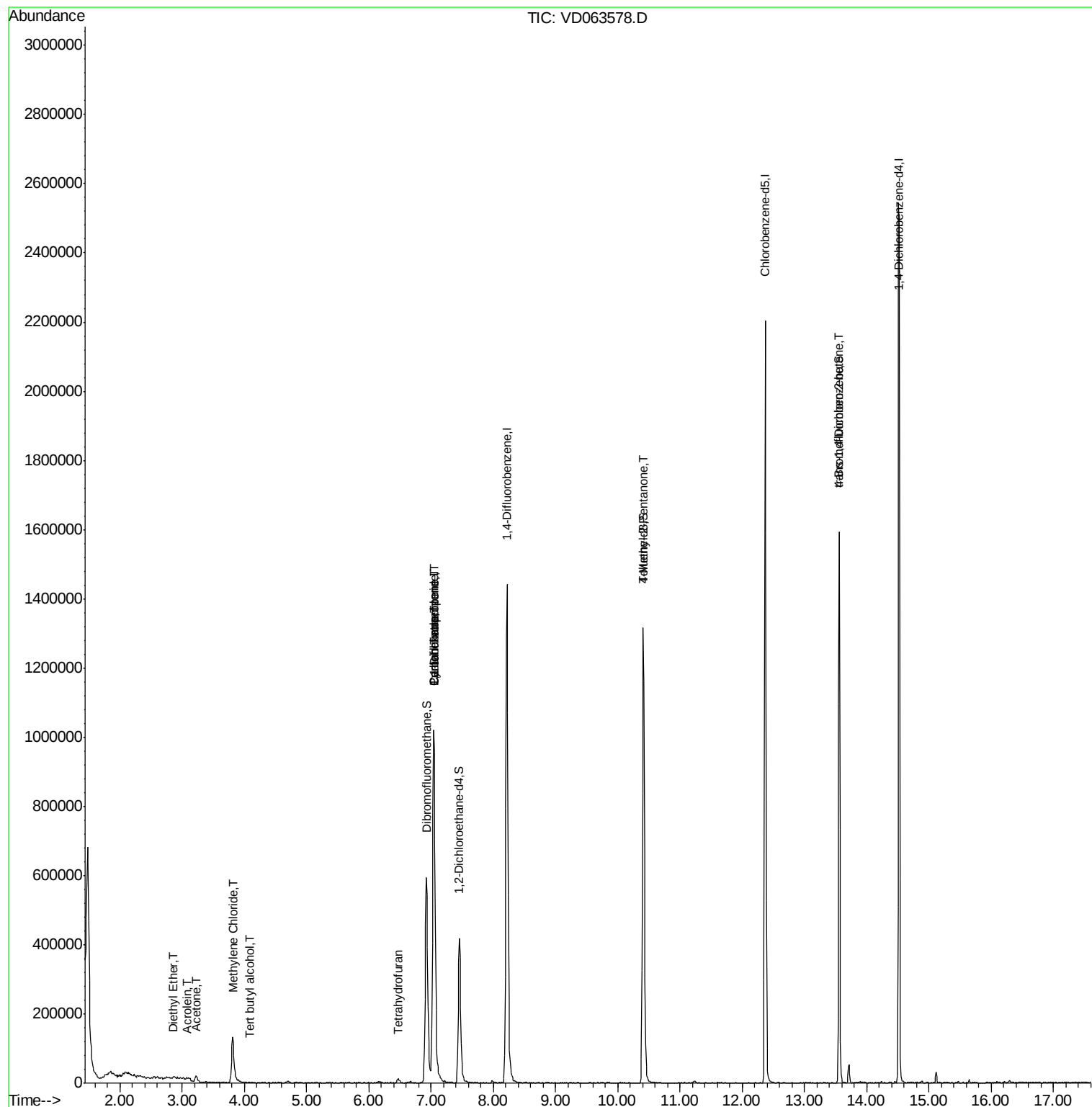
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.86	74	2795	1.062	ug/l	61
11) Tert butyl alcohol	4.09	59	1035	2.197	ug/l #	71
13) Acrolein	3.06	56	593	1.279	ug/l #	18
16) Acetone	3.22	43	37594	17.089	ug/l	94
20) Methylene Chloride	3.81	84	85543	8.992	ug/l #	88
29) Tetrahydrofuran	6.46	42	8535	8.430	ug/l	94
31) Cyclohexane	7.05	56	20501	2.098	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	78468	5.712	ug/l #	49
38) Carbon Tetrachloride	7.05	117	97130	4.691	ug/l #	17
51) 4-Methyl-2-Pentanone	10.42	43	6555	1.243	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	200236	104.354	ug/l #	1

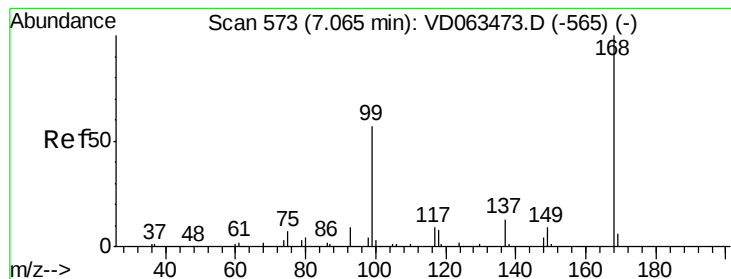
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063578.D

Acq: 14 Aug 2019 17:10

Instrument :

MSVOA_D

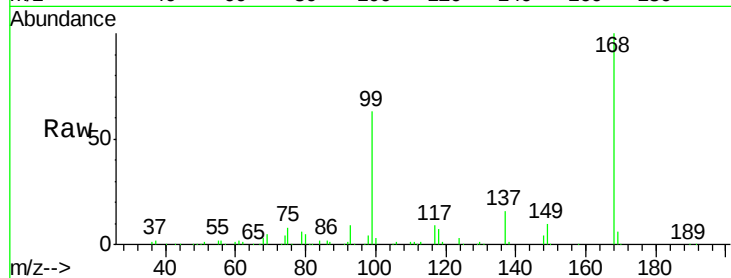
ClientSampleId :

Tot Ion:168 Resp: 1012432

Ion Ratio Lower Upper

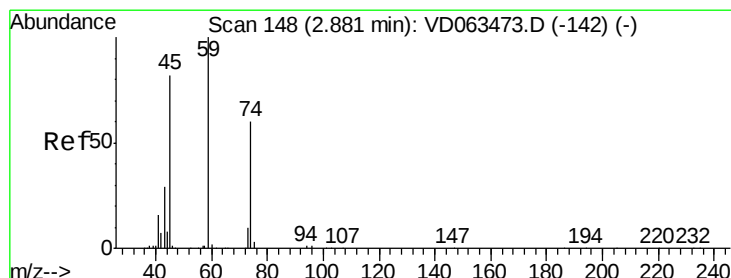
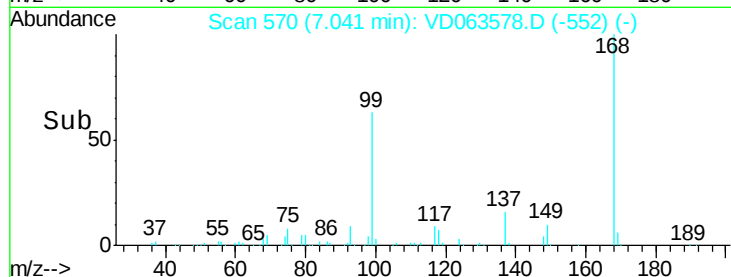
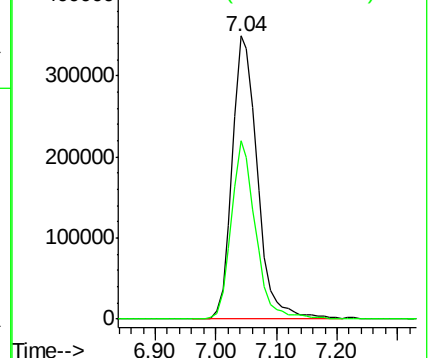
168 100

99 63.0 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: 1.062 ug/l

RT: 2.86 min Scan# 145

Delta R.T. -0.02 min

Lab File: VD063578.D

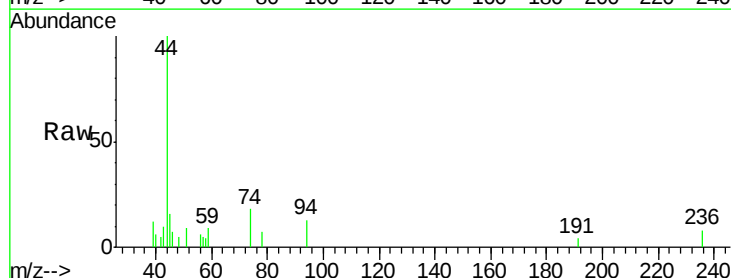
Acq: 14 Aug 2019 17:10

Tgt Ion: 74 Resp: 2795

Ion Ratio Lower Upper

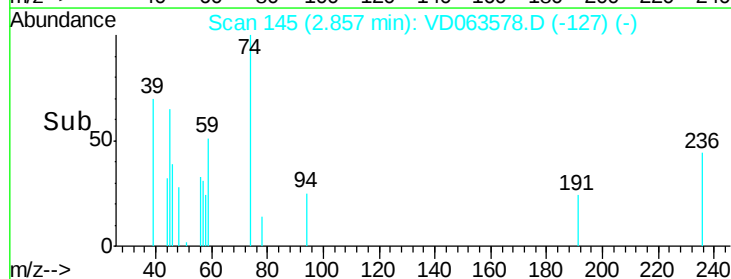
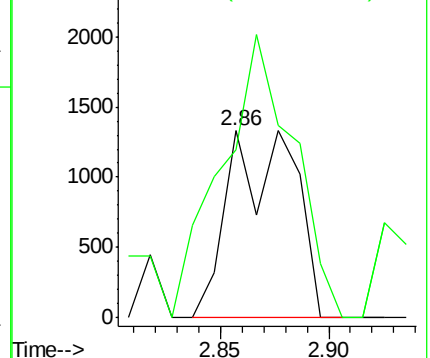
74 100

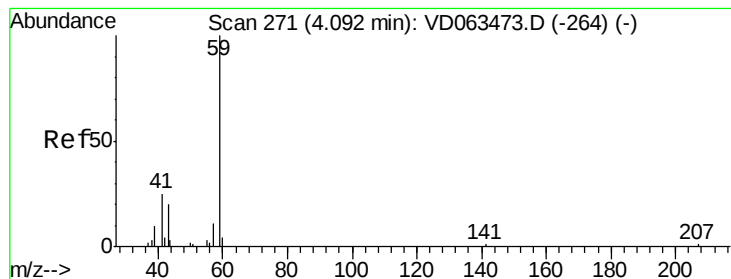
45 89.9 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



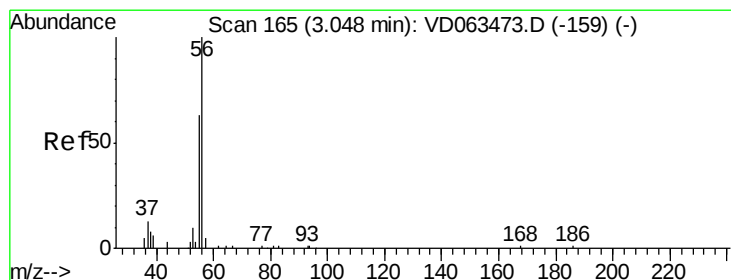
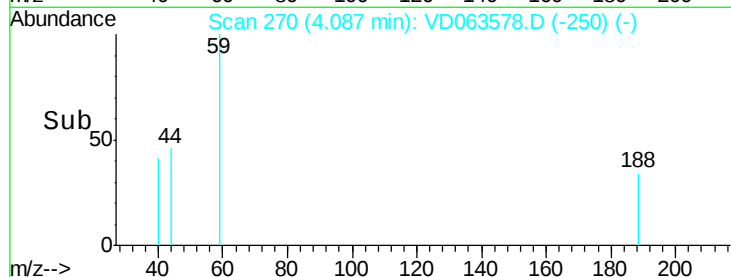
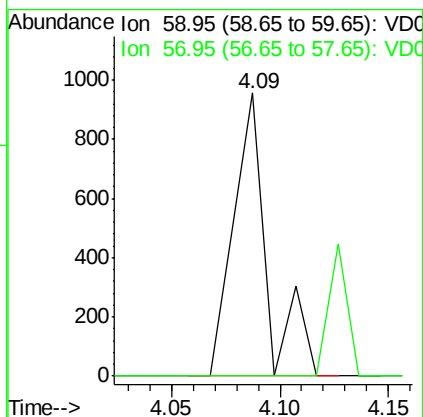
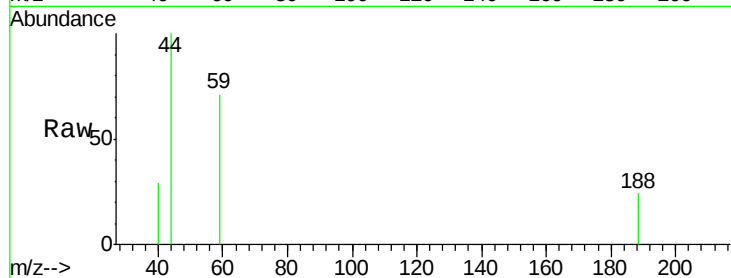


#11

Tert butyl alcohol
Concen: 2.197 ug/l
RT: 4.09 min Scan# 270
Delta R.T. -0.00 min
Lab File: VD063578.D
Acq: 14 Aug 2019 17:10

Instrument :
MSVOA_D
ClientSampled :

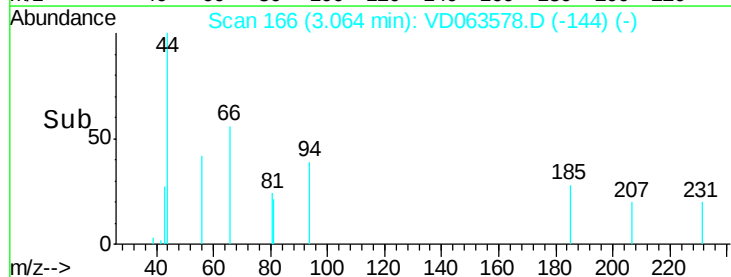
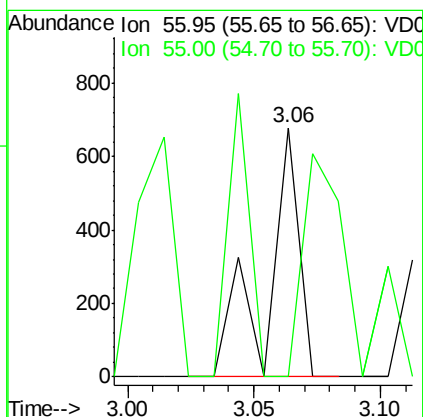
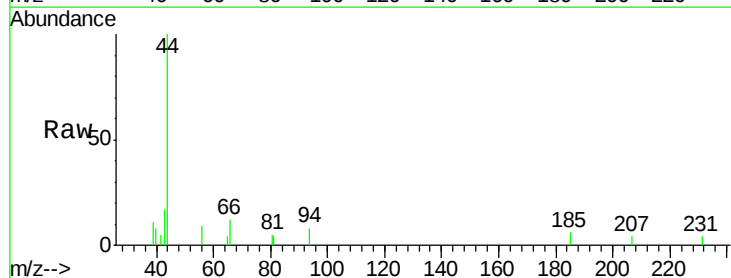
Tot Ion: 59 Resp: 1035
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

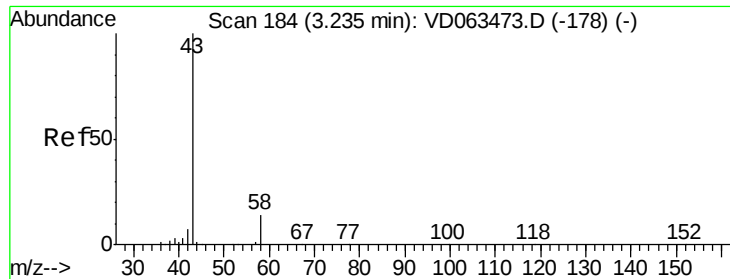


#13

Acrolein
Concen: 1.279 ug/l
RT: 3.06 min Scan# 166
Delta R.T. 0.02 min
Lab File: VD063578.D
Acq: 14 Aug 2019 17:10

Tgt Ion: 56 Resp: 593
Ion Ratio Lower Upper
56 100
55 0.0 51.3 76.9#





#16

Acetone

Concen: 17.089 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063578.D

Acq: 14 Aug 2019 17:10

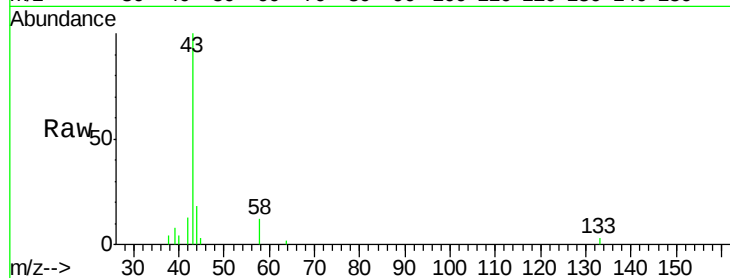
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 37594

Ion Ratio Lower Upper

43 100

58 11.8 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

15000

10000

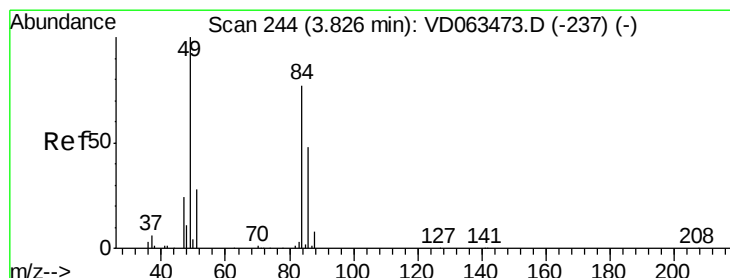
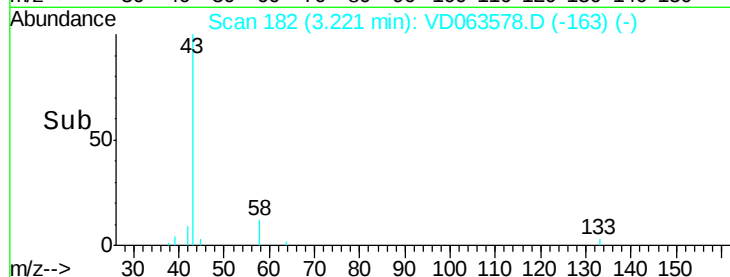
5000

0

Time-->

3.10 3.20 3.30 3.40

3.22



#20

Methylene Chloride

Concen: 8.992 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD063578.D

Acq: 14 Aug 2019 17:10

Tgt Ion: 84 Resp: 85543

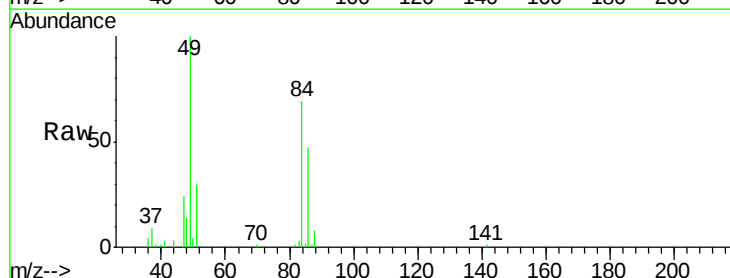
Ion Ratio Lower Upper

84 100

49 145.0 103.4 155.2

51 43.8 28.5 42.7#

86 68.5 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

60000

50000

40000

30000

20000

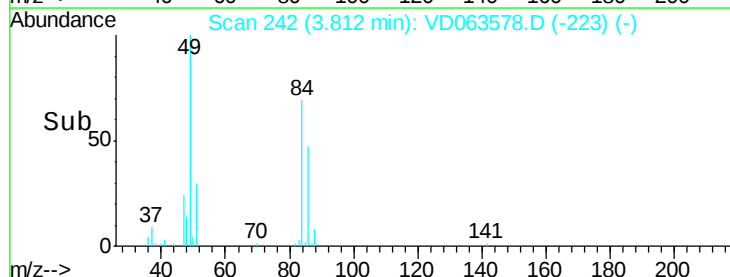
10000

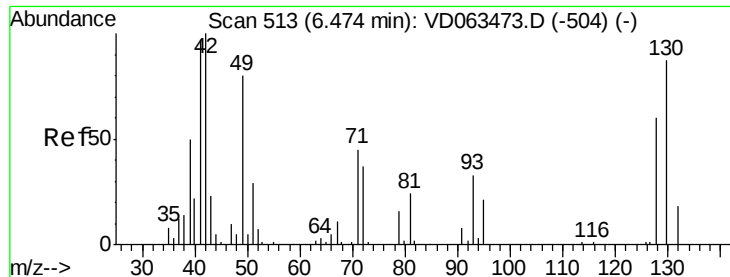
0

Time-->

3.70 3.80 3.90

3.81





#29

Tetrahydrofuran

Concen: 8.430 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD063578.D

Acq: 14 Aug 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

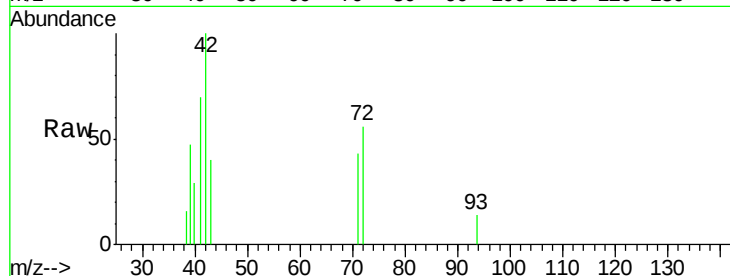
Tot Ion: 42 Resp: 8535

Ion Ratio Lower Upper

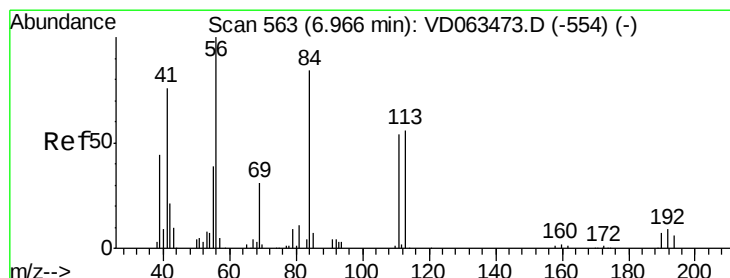
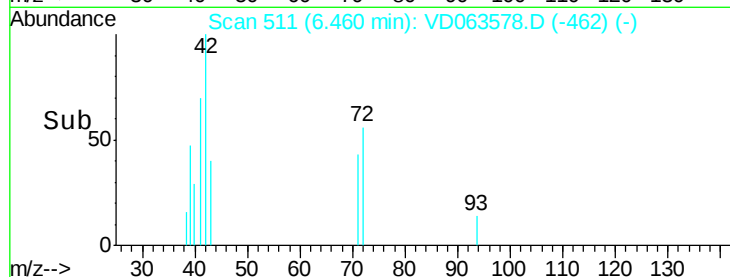
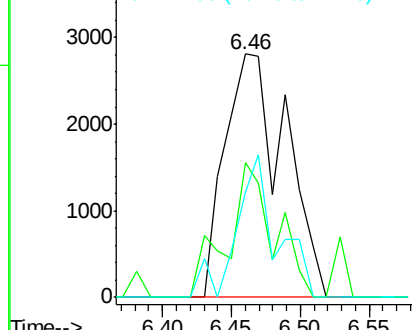
42 100

72 43.6 31.5 47.3

71 39.0 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: 2.098 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.08 min

Lab File: VD063578.D

Acq: 14 Aug 2019 17:10

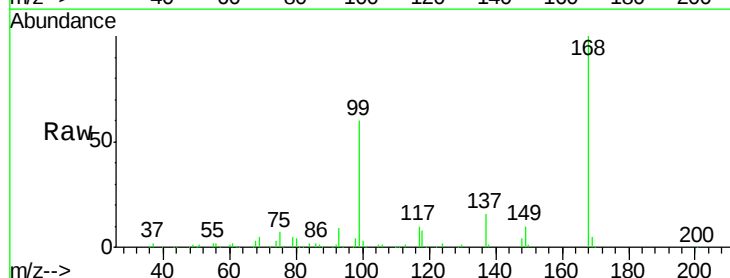
Tgt Ion: 56 Resp: 20501

Ion Ratio Lower Upper

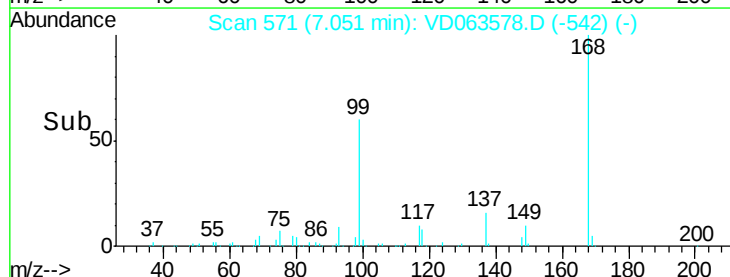
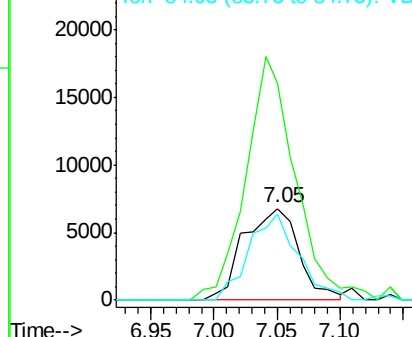
56 100

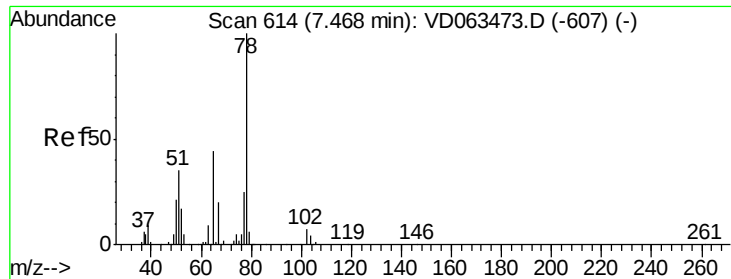
69 236.9 25.0 37.6#

84 93.9 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: 43.430 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063578.D

Acq: 14 Aug 2019 17:10

Instrument :

MSVOA_D

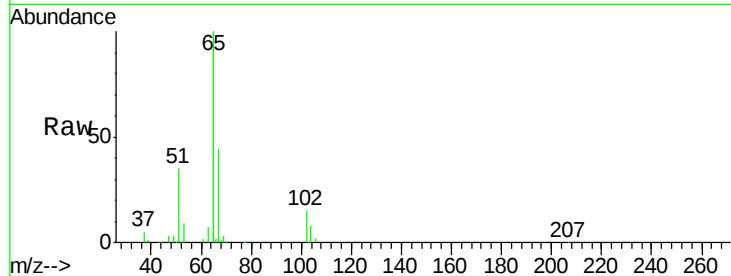
ClientSampleId :

Tot Ion: 65 Resp: 470009

Ion Ratio Lower Upper

65 100

67 44.3 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

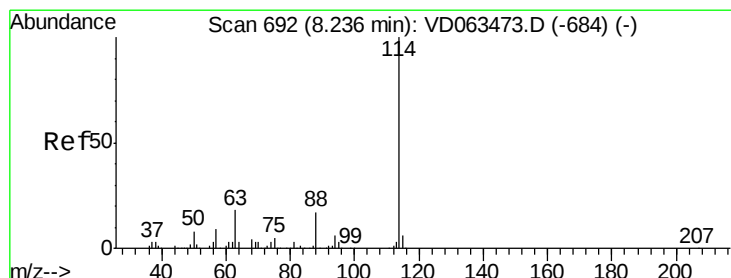
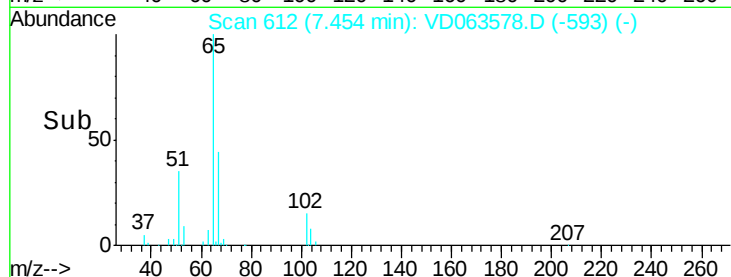
150000

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: VD063578.D

Acq: 14 Aug 2019 17:10

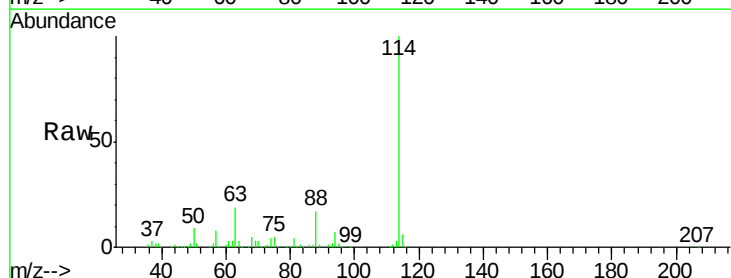
Tgt Ion: 114 Resp: 1553966

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.2

88 17.3 0.0 35.0



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

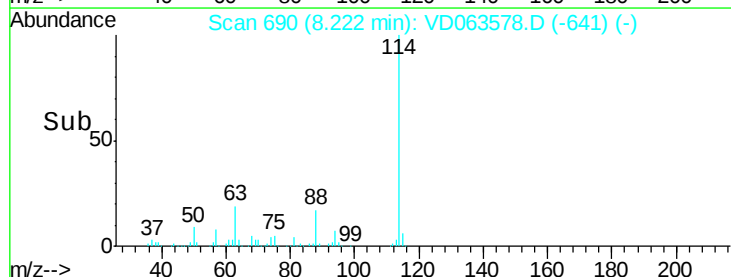
600000

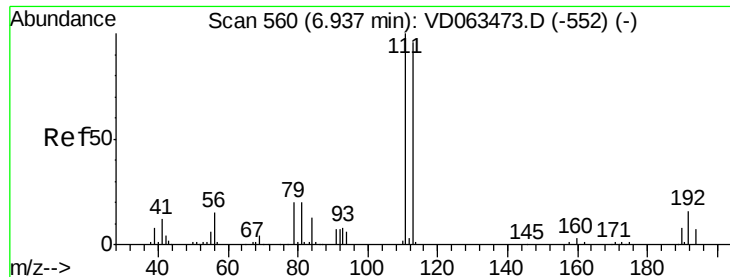
400000

200000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 40.553 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD063578.D

Acq: 14 Aug 2019 17:10

Instrument :
MSVOA_D
ClientSampled :

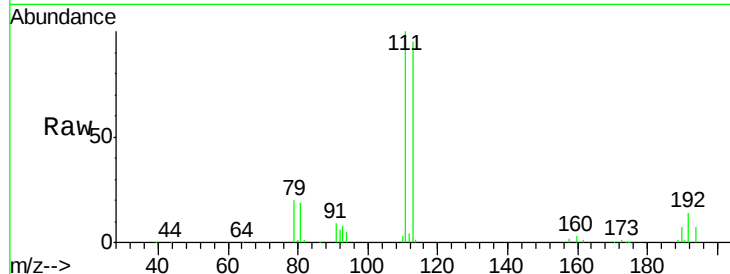
Tot Ion:113 Resp: 530744

Ion Ratio Lower Upper

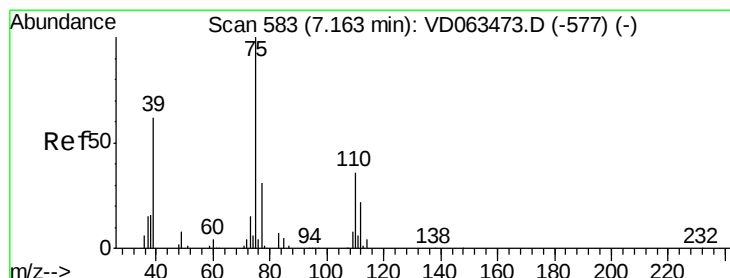
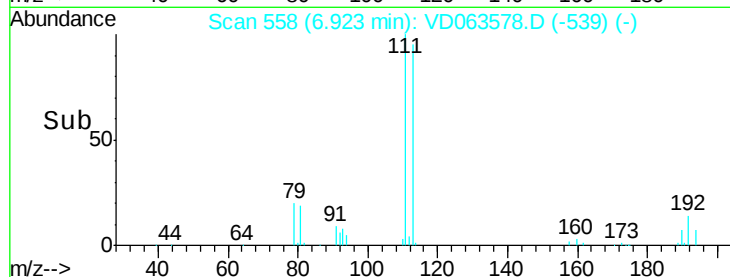
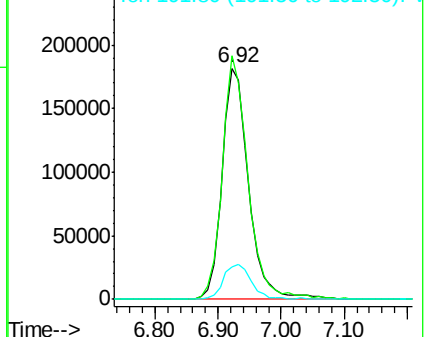
113 100

111 105.2 83.1 124.7

192 14.2 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: 5.712 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.12 min

Lab File: VD063578.D

Acq: 14 Aug 2019 17:10

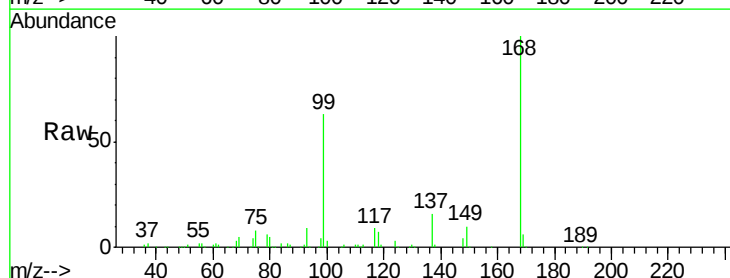
Tgt Ion: 75 Resp: 78468

Ion Ratio Lower Upper

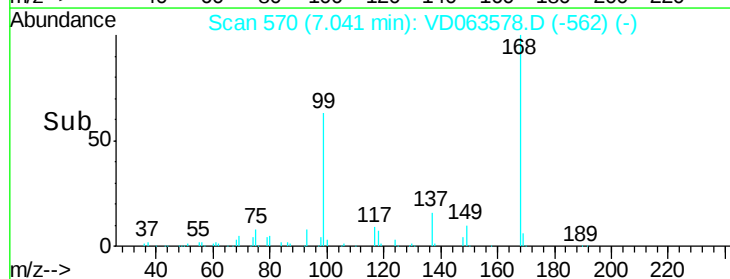
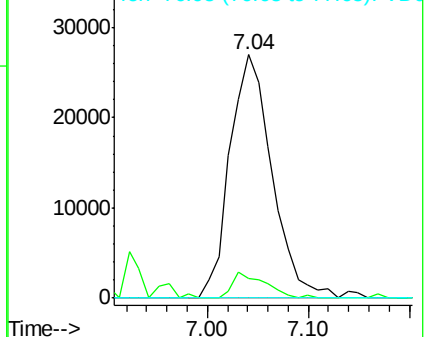
75 100

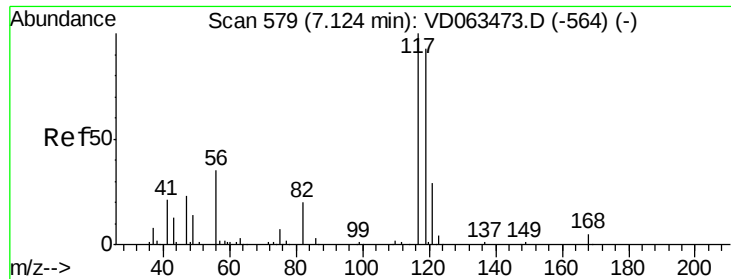
110 8.2 17.6 52.8#

77 0.0 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 4.691 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD063578.D

Acq: 14 Aug 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

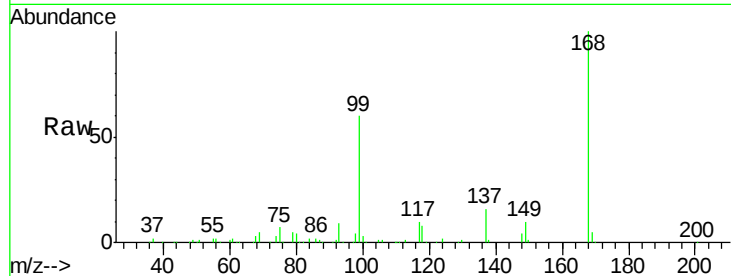
Tot Ion:117 Resp: 97130

Ion Ratio Lower Upper

117 100

119 4.2 74.2 111.2#

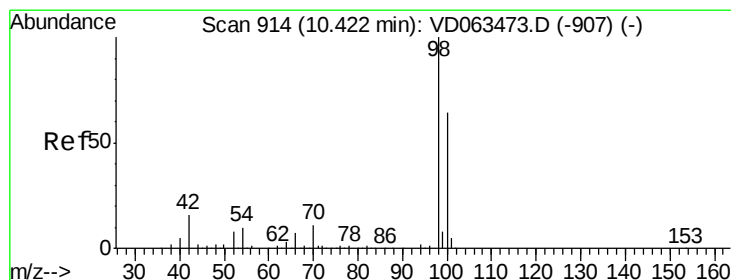
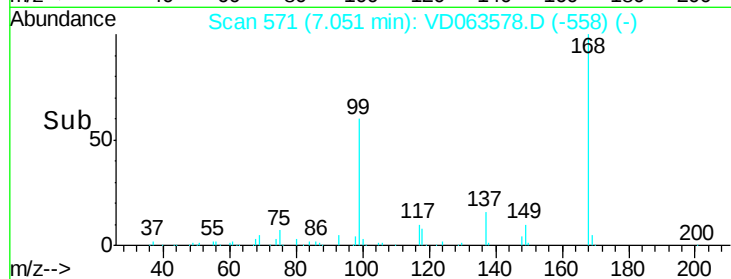
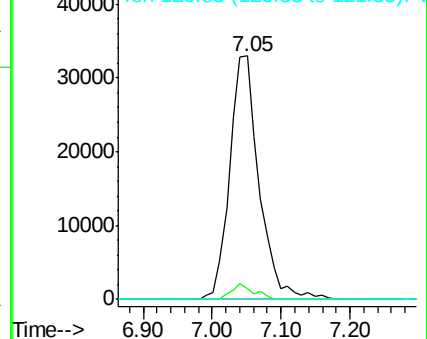
121 0.0 23.1 34.7#



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: 36.986 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD063578.D

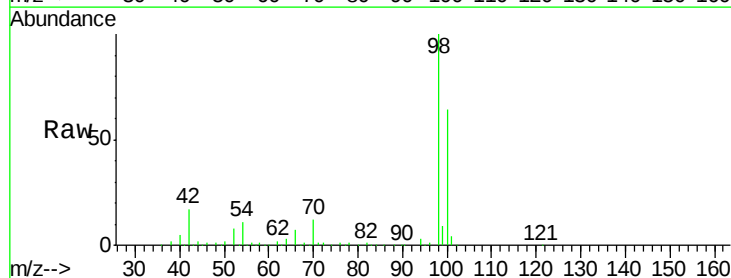
Acq: 14 Aug 2019 17:10

Tgt Ion: 98 Resp: 1064228

Ion Ratio Lower Upper

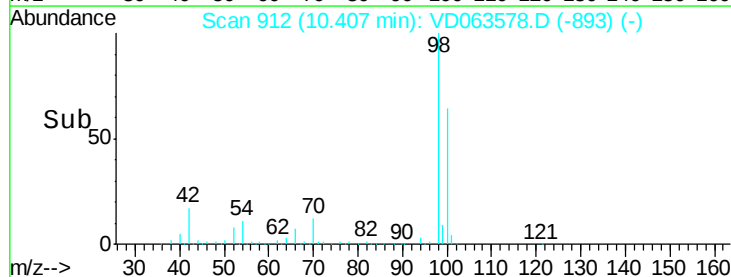
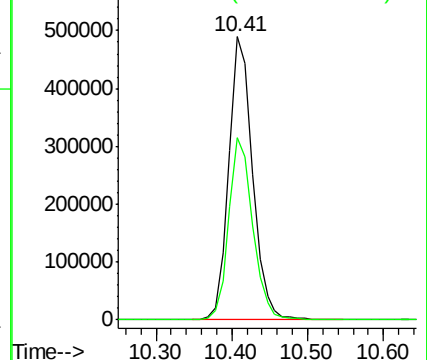
98 100

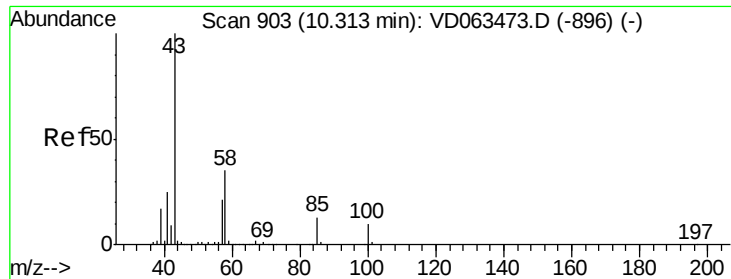
100 64.3 51.7 77.5



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: 1.243 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.10 min

Lab File: VD063578.D

Acq: 14 Aug 2019 17:10

Instrument :

MSVOA_D

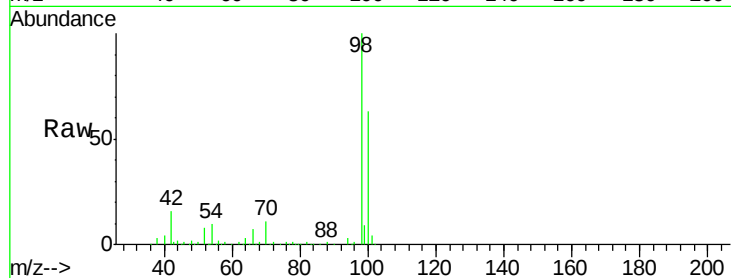
ClientSampled :

Tot Ion: 43 Resp: 6555

Ion Ratio Lower Upper

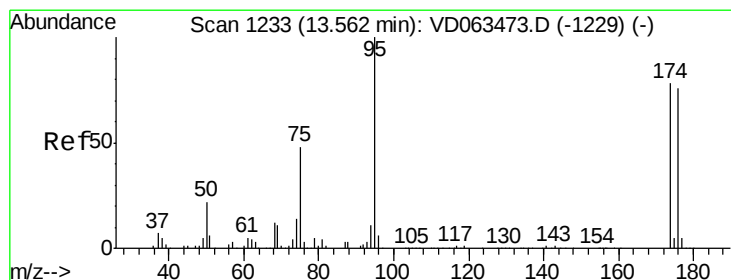
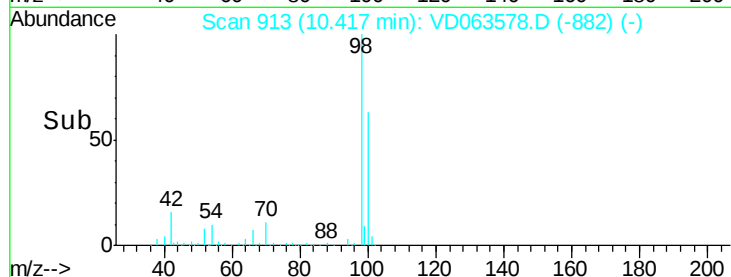
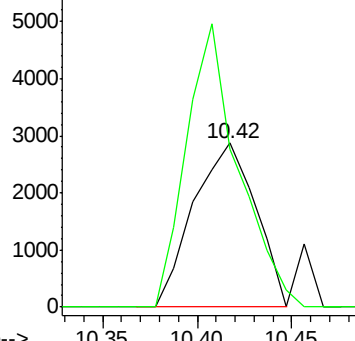
43 100

58 96.0 28.0 42.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 33.138 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063578.D

Acq: 14 Aug 2019 17:10

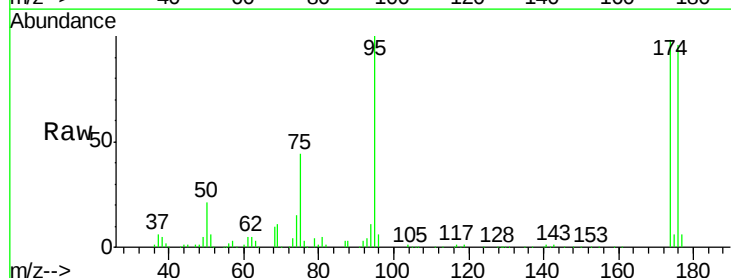
Tgt Ion: 95 Resp: 432165

Ion Ratio Lower Upper

95 100

174 97.6 0.0 155.4

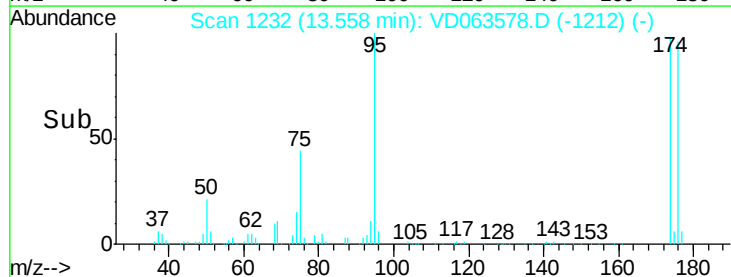
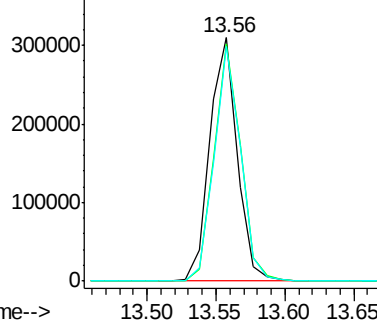
176 96.3 0.0 152.4

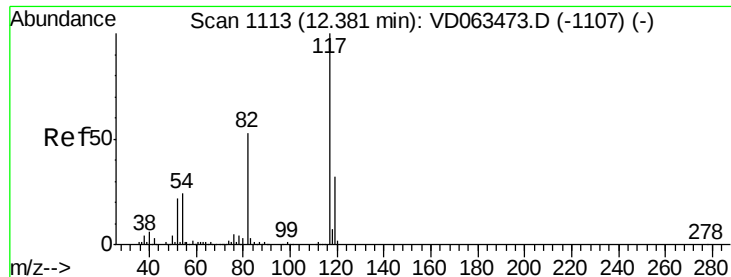


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

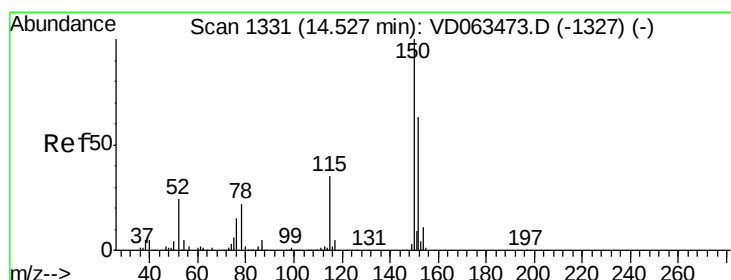
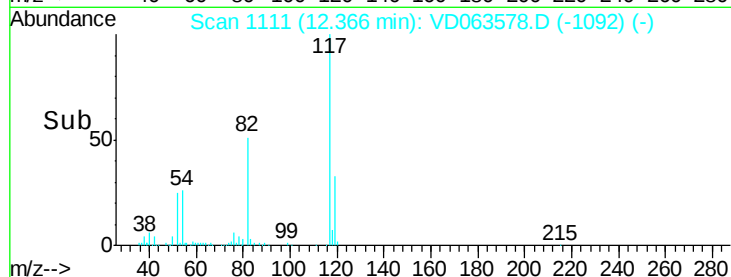
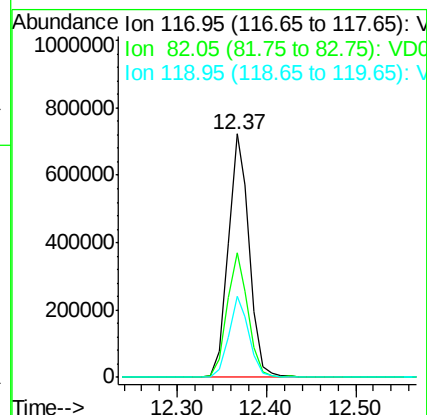
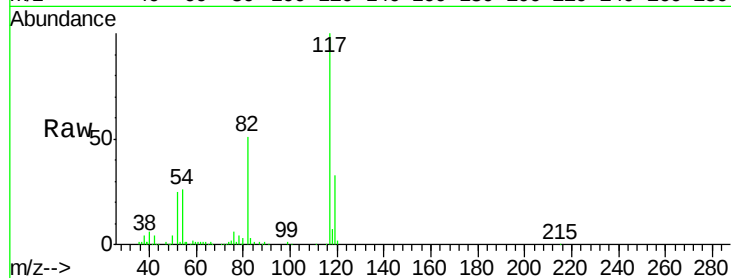




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063578.D
Acq: 14 Aug 2019 17:10

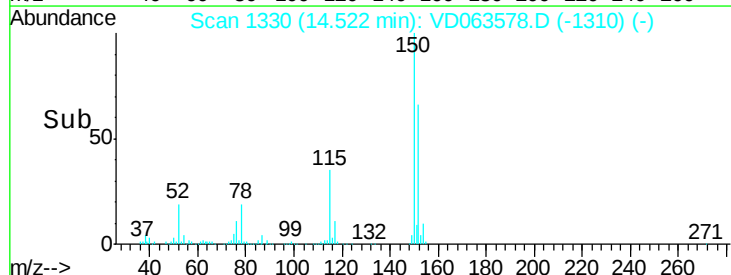
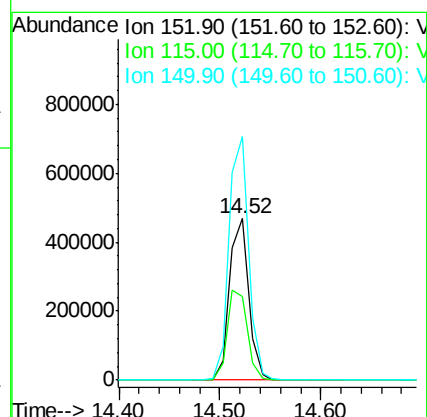
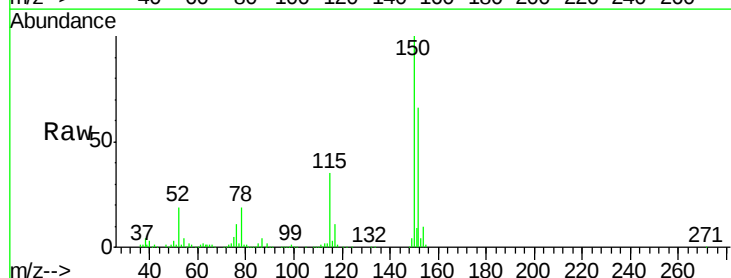
Instrument :
MSVOA_D
ClientSampleId :

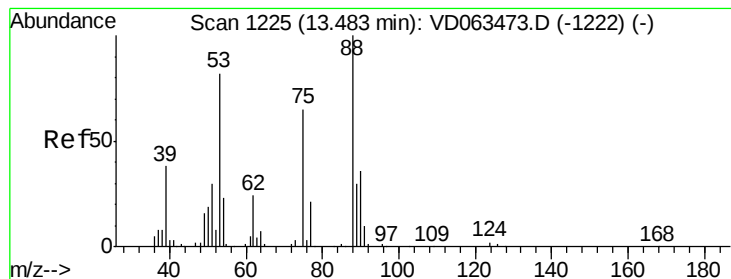
Tot Ion:117 Resp: 1200288
Ion Ratio Lower Upper
117 100
82 51.3 42.0 63.0
119 33.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063578.D
Acq: 14 Aug 2019 17:10

Tgt Ion:152 Resp: 622056
Ion Ratio Lower Upper
152 100
115 52.3 30.9 92.7
150 151.2 0.0 318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 104.354 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063578.D

Acq: 14 Aug 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

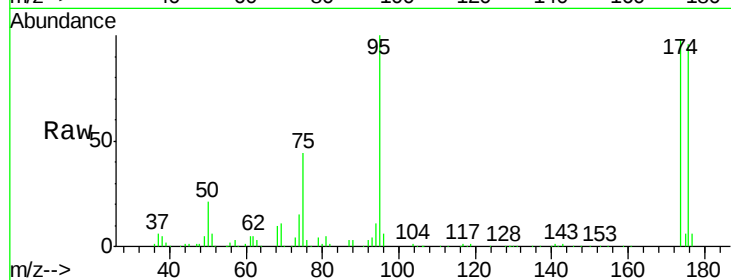
Tot Ion: 75 Resp: 200236

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

