

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD06335.D
 Acq On : 3 Aug 2019 1:28
 Operator : VA/AP
 Sample : K4130-12
 Misc : 5.87g/5ml/MSVOA_D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 03:43:38 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	1212139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1647275	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1208967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	610846	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	539141	40.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.18%	
35) Dibromofluoromethane	6.92	113	596344	42.40	ug/l	0.01
Spiked Amount 50.000			Recovery	=	84.80%	
50) Toluene-d8	10.41	98	1274543	40.49	ug/l	0.01
Spiked Amount 50.000			Recovery	=	80.98%	
62) 4-Bromofluorobenzene	13.55	95	479004	33.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.80%	

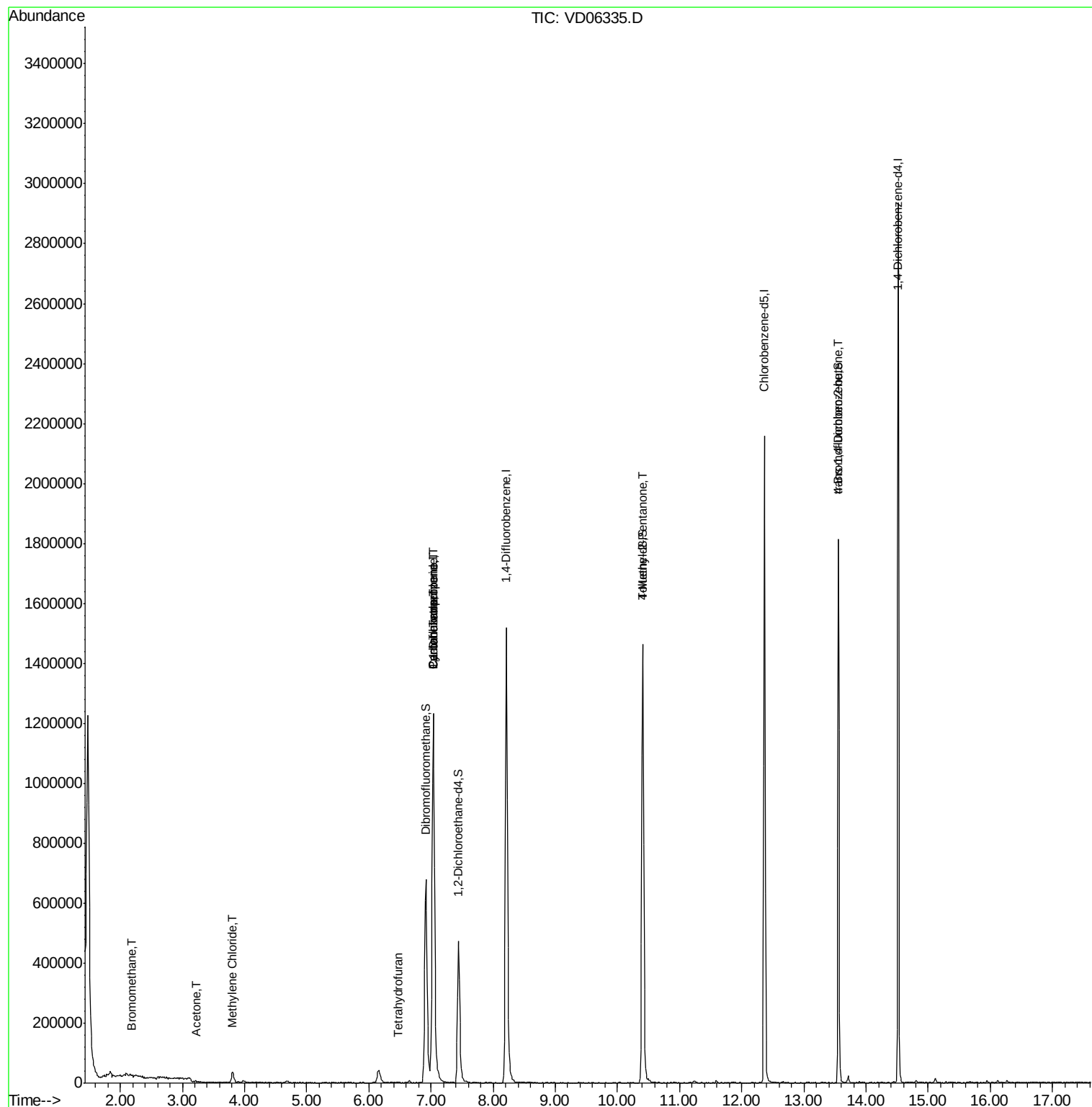
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	7621	1.268	ug/l #	12
16) Acetone	3.22	43	4786	1.826	ug/l #	61
20) Methylene Chloride	3.81	84	21197	2.001	ug/l	89
29) Tetrahydrofuran	6.46	42	1988	1.597	ug/l #	56
31) Cyclohexane	7.04	56	24742	2.065	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	90674	6.031	ug/l #	51
38) Carbon Tetrachloride	7.04	117	113160	5.000	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	9043	1.541	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	227082	111.460	ug/l #	3

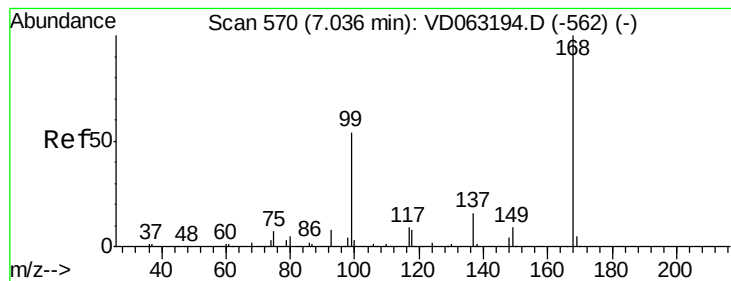
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VD06335.D

Acq: 3 Aug 2019 1:28

Instrument :

MSVOA_D

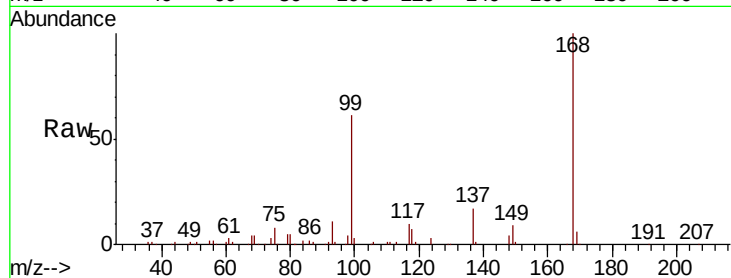
ClientSampled :

Tgt Ion:168 Resp: 1212139

Ion Ratio Lower Upper

168 100

99 60.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

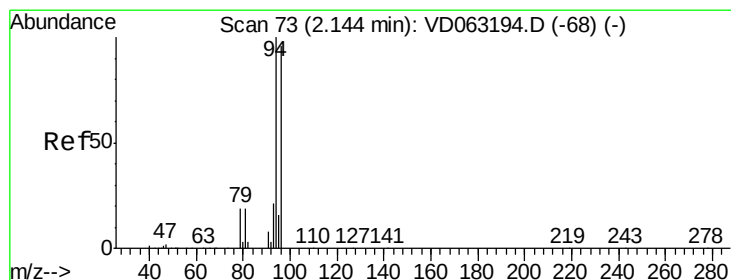
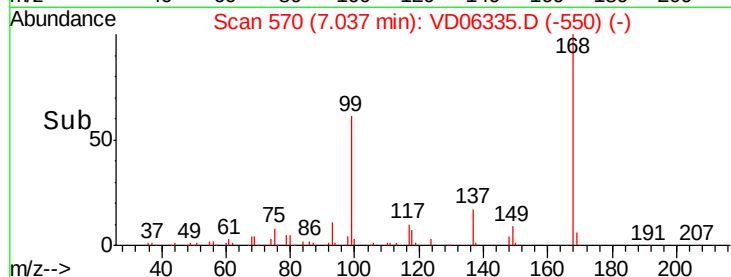
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.268 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.05 min

Lab File: VD06335.D

Acq: 3 Aug 2019 1:28

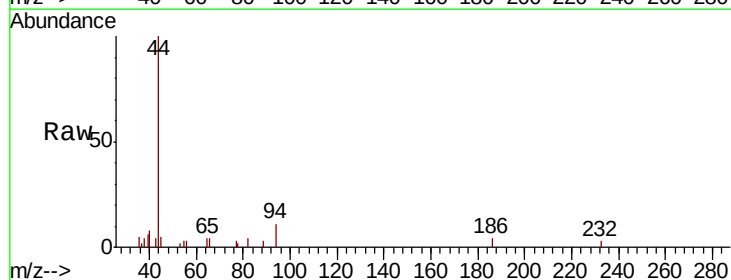
Tgt Ion: 94 Resp: 7621

Ion Ratio Lower Upper

94 100

96 0.0 76.4 114.6#

93 0.0 17.3 25.9#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2000

1500

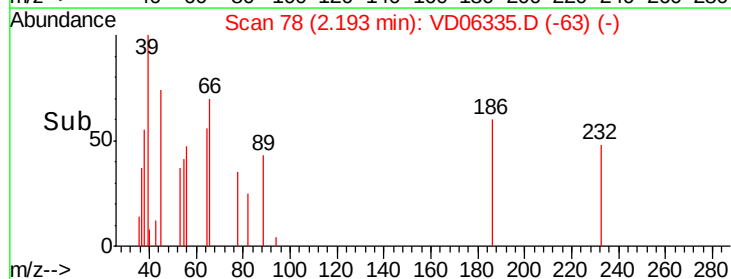
1000

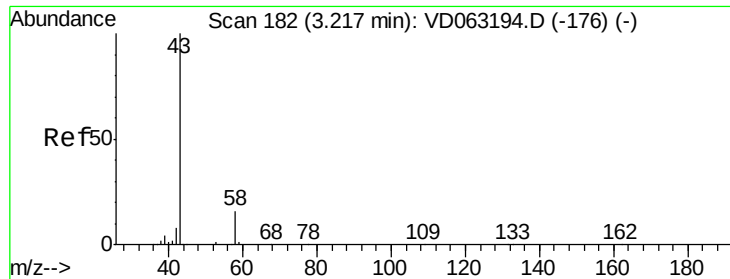
500

0

Time-->

2.05 2.10 2.15 2.20





#16

Acetone

Concen: 1.826 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD06335.D

Acq: 3 Aug 2019 1:28

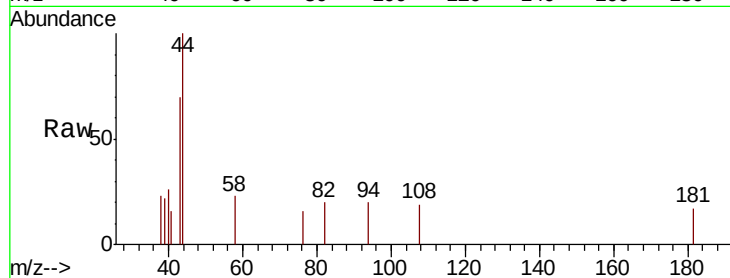
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 43 Resp: 4786

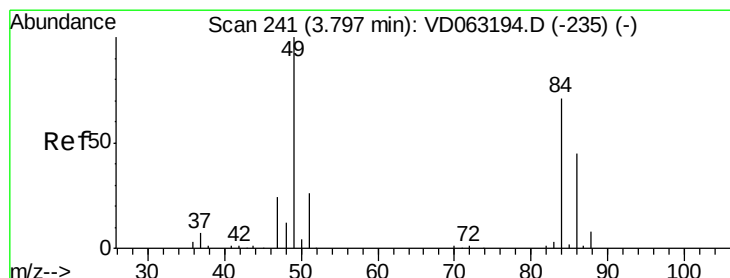
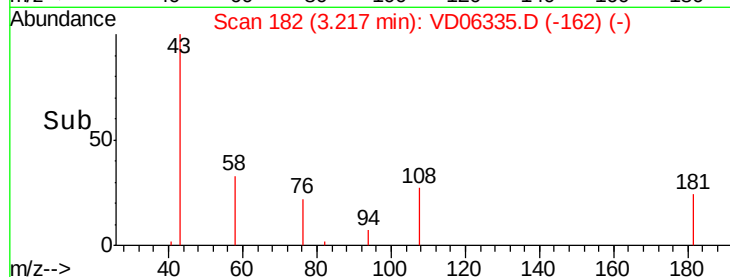
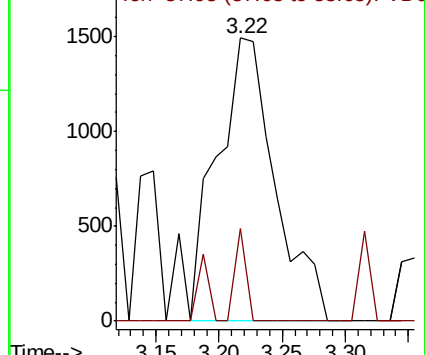
Ion Ratio Lower Upper

43 100

58 32.8 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.001 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD06335.D

Acq: 3 Aug 2019 1:28

Tgt Ion: 84 Resp: 21197

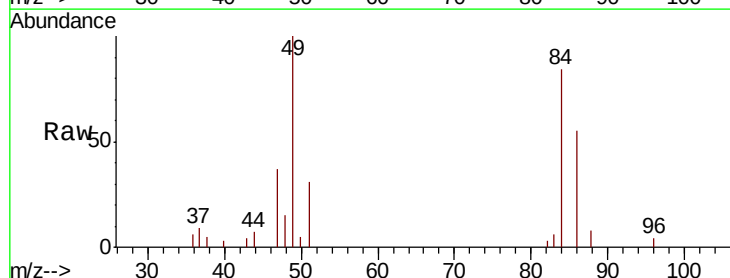
Ion Ratio Lower Upper

84 100

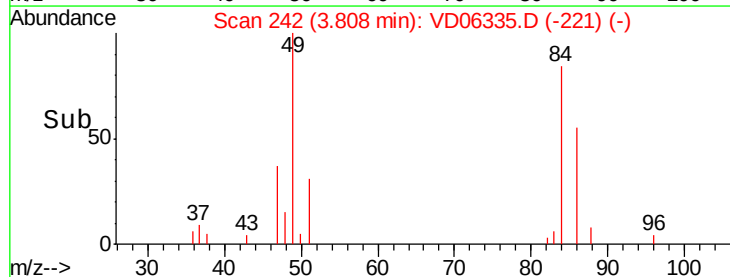
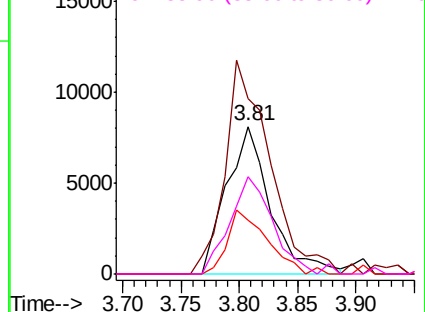
49 119.2 112.5 168.7

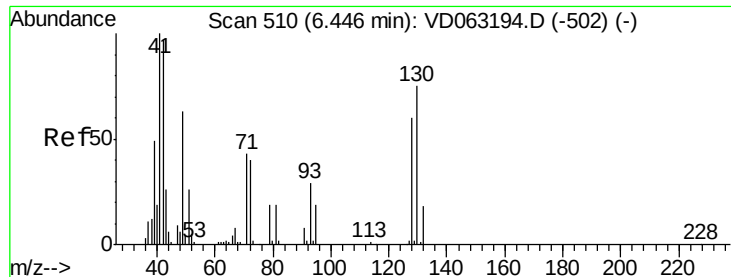
51 36.8 29.6 44.4

86 65.6 50.4 75.6



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

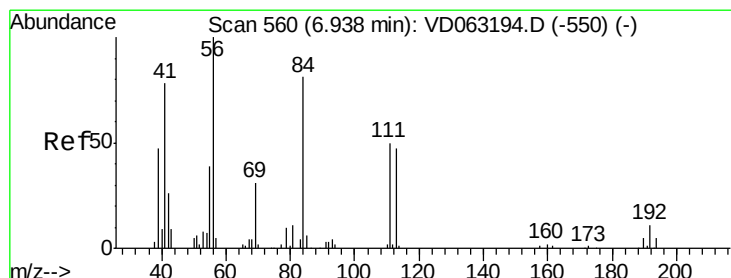
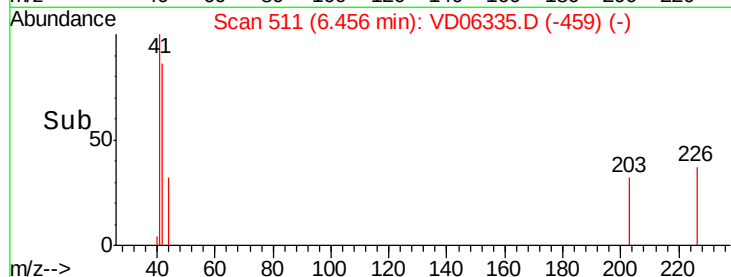
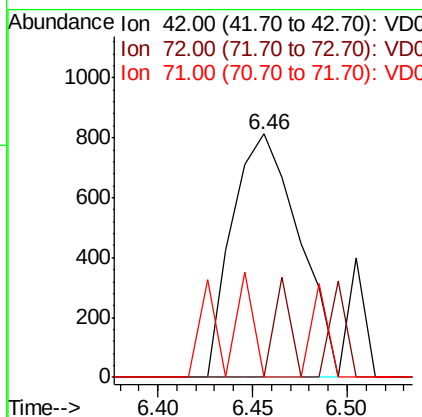
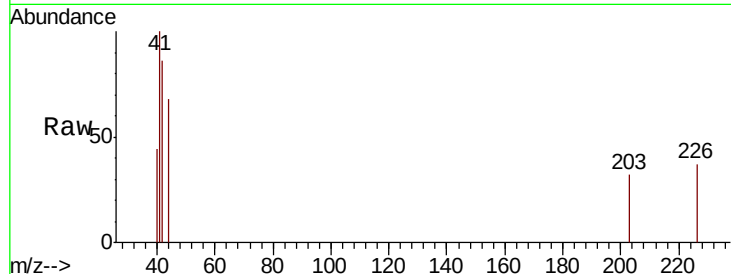




#29
Tetrahydrofuran
Concen: 1.597 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD06335.D
Acq: 3 Aug 2019 1:28

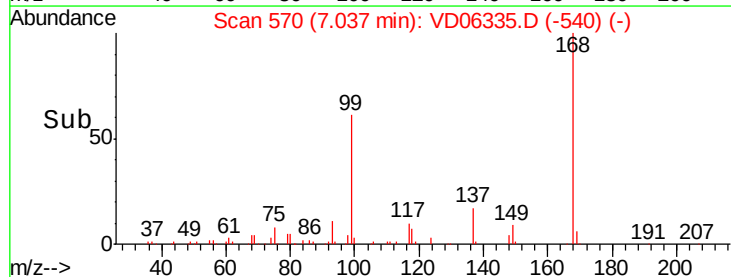
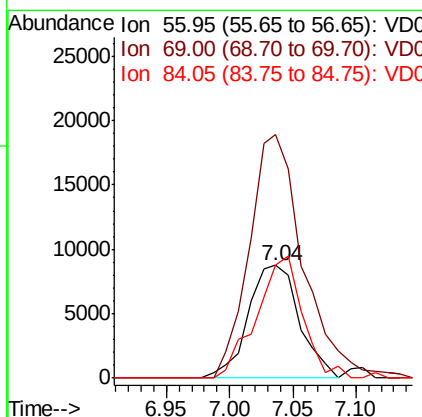
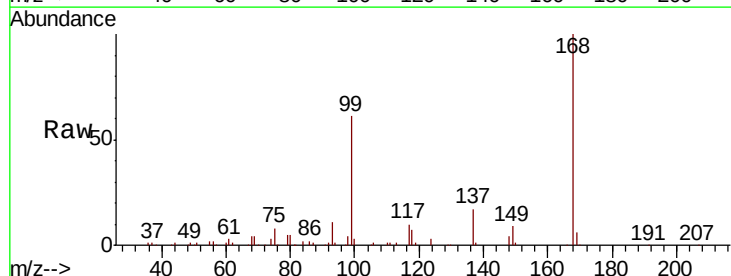
Instrument :
MSVOA_D
ClientSampled :

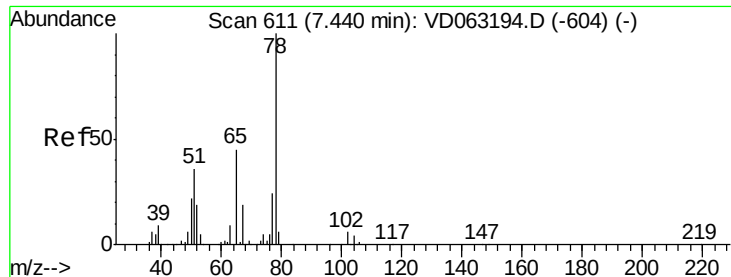
Tgt Ion: 42 Resp: 1988
Ion Ratio Lower Upper
42 100
72 10.0 33.4 50.2#
71 20.2 35.7 53.5#



#31
Cyclohexane
Concen: 2.065 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD06335.D
Acq: 3 Aug 2019 1:28

Tgt Ion: 56 Resp: 24742
Ion Ratio Lower Upper
56 100
69 216.0 24.5 36.7#
84 100.1 64.9 97.3#





#33

1,2-Dichloroethane-d4

Concen: 40.085 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD06335.D

Acq: 3 Aug 2019 1:28

Instrument :

MSVOA_D

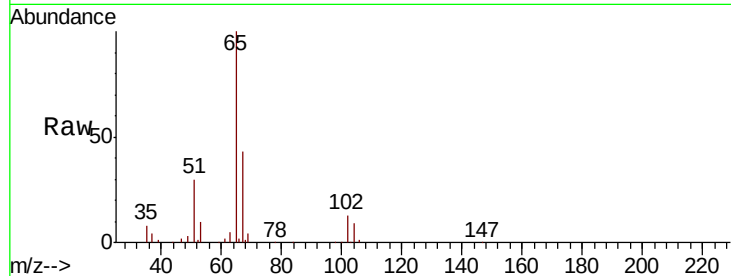
ClientSampleId :

Tgt Ion: 65 Resp: 539141

Ion Ratio Lower Upper

65 100

67 42.6 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VD06335.D (-591) (-)

Ion 66.90 (66.60 to 67.60): VD06335.D (-591) (-)

7.44

200000

150000

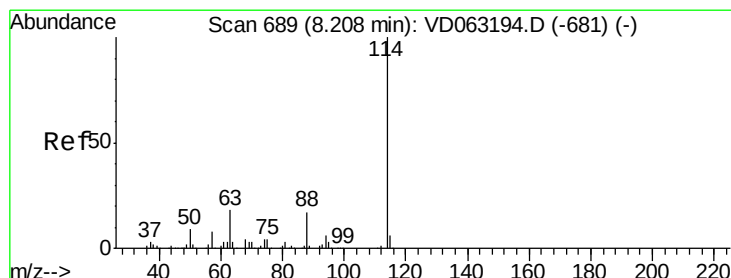
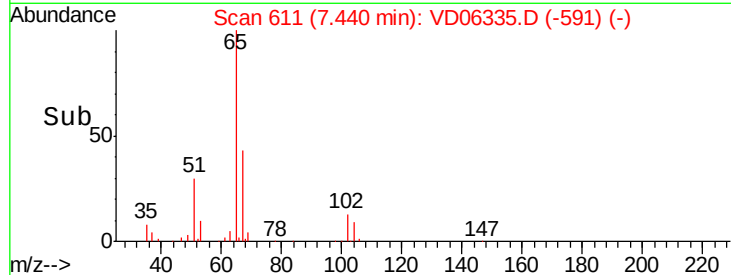
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD06335.D

Acq: 3 Aug 2019 1:28

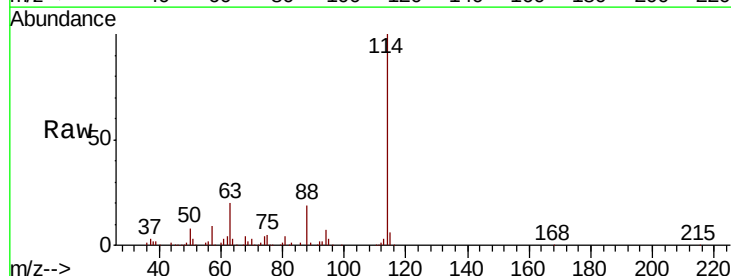
Tgt Ion: 114 Resp: 1647275

Ion Ratio Lower Upper

114 100

63 19.5 0.0 35.2

88 18.6 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): VD06335.D (-638) (-)

Ion 62.95 (62.65 to 63.65): VD06335.D (-638) (-)

Ion 87.90 (87.60 to 88.60): VD06335.D (-638) (-)

8.21

800000

600000

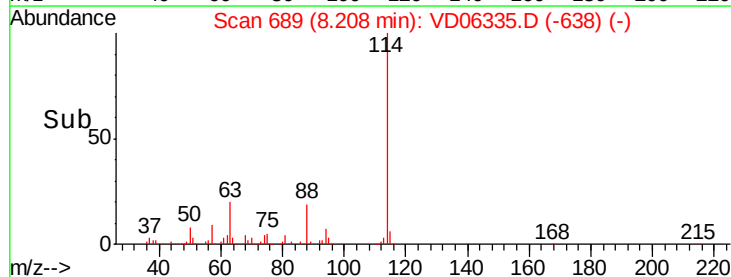
400000

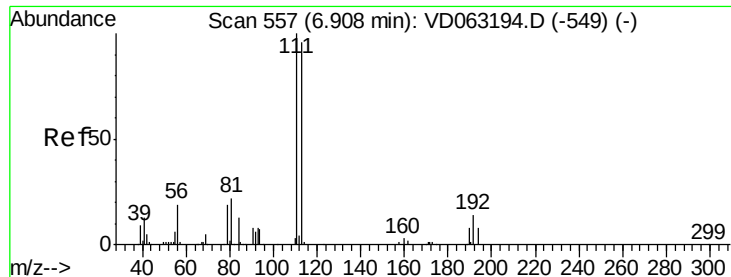
200000

0

8.10 8.20 8.30 8.40 8.50

Time-->





#35

Dibromofluoromethane

Concen: 42.401 ug/l

RT: 6.92 min Scan# 558

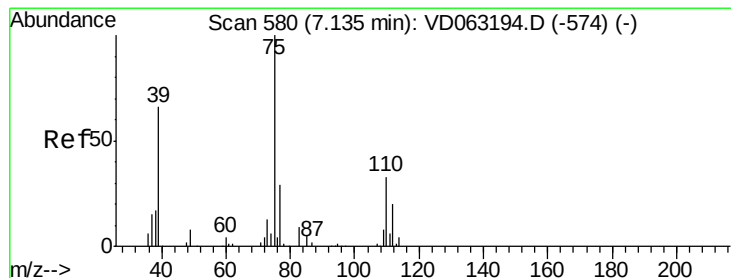
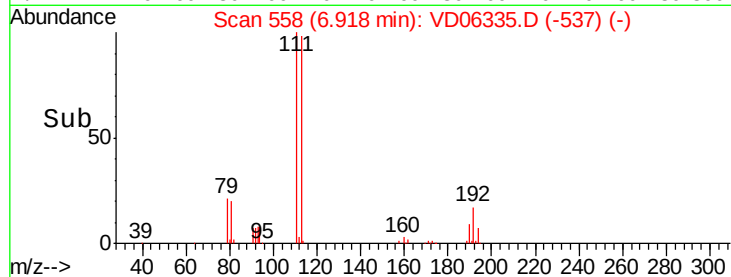
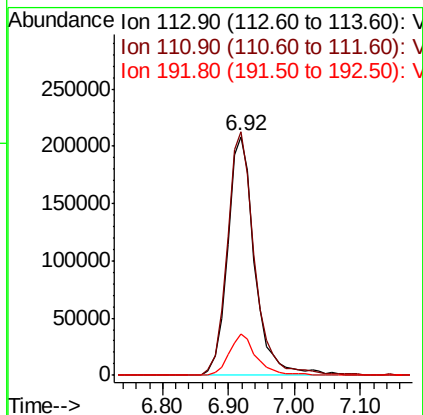
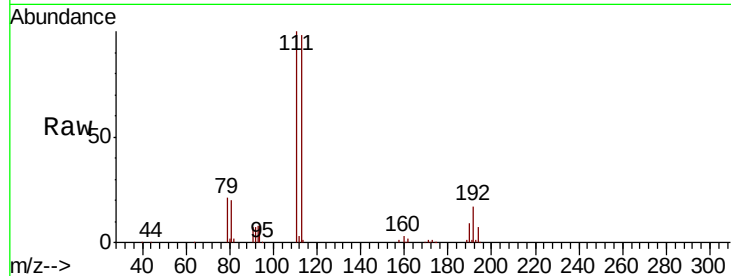
Delta R.T. 0.01 min

Lab File: VD06335.D

Acq: 3 Aug 2019 1:28

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.2	124.8
192	17.5	11.8	17.8



#36

1,1-Dichloropropene

Concen: 6.031 ug/l

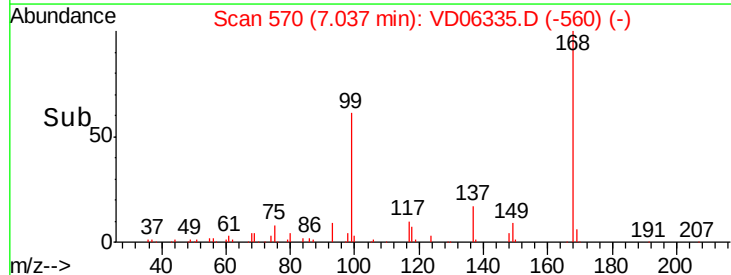
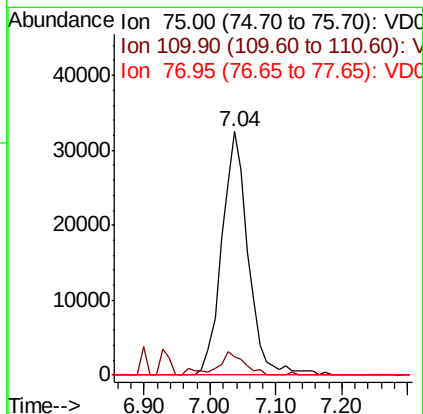
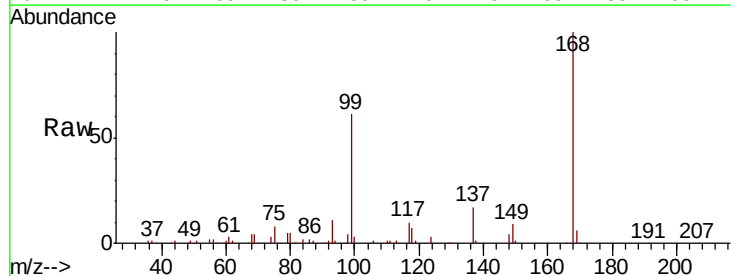
RT: 7.04 min Scan# 570

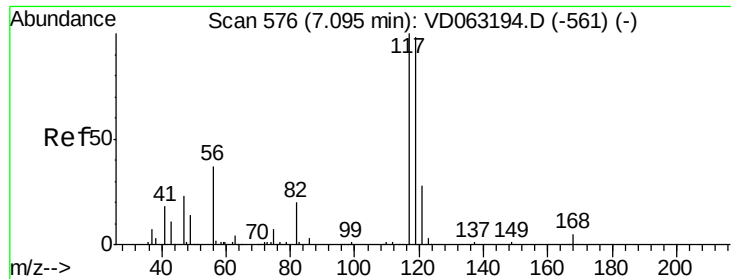
Delta R.T. -0.10 min

Lab File: VD06335.D

Acq: 3 Aug 2019 1:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.1	48.2#
77	0.0	22.7	34.1#





#38

Carbon Tetrachloride

Concen: 5.000 ug/l

RT: 7.04 min Scan# 570

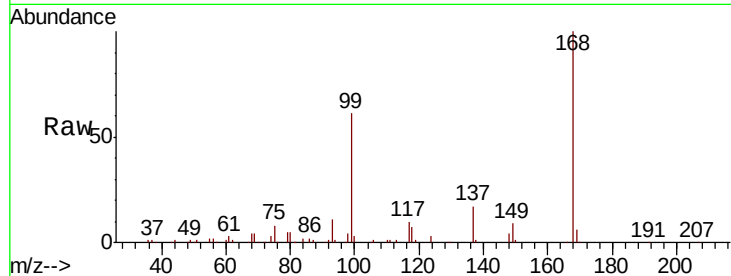
Delta R.T. -0.06 min

Lab File: VD06335.D

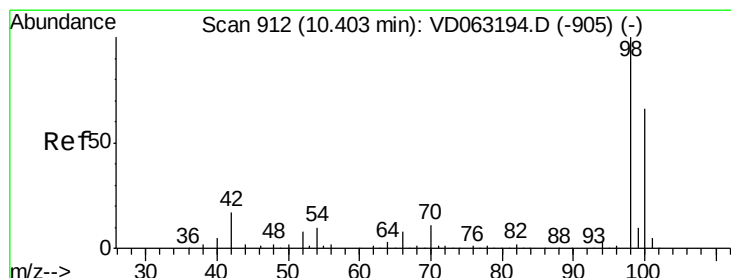
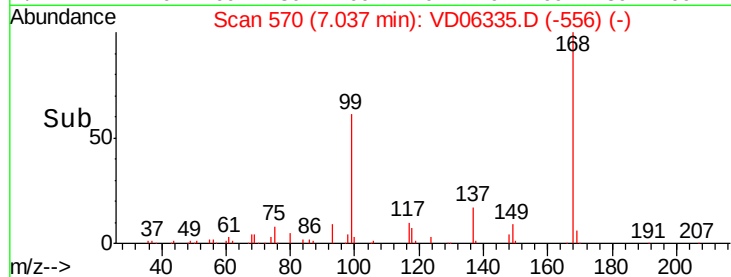
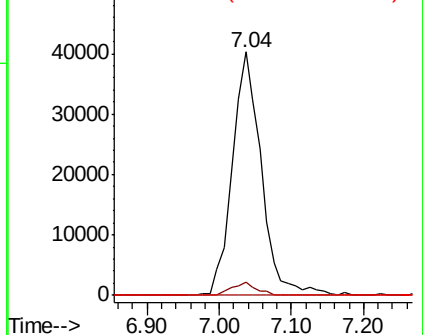
Acq: 3 Aug 2019 1:28

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 113160
Ion Ratio Lower Upper
117 100
119 5.6 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: 40.493 ug/l

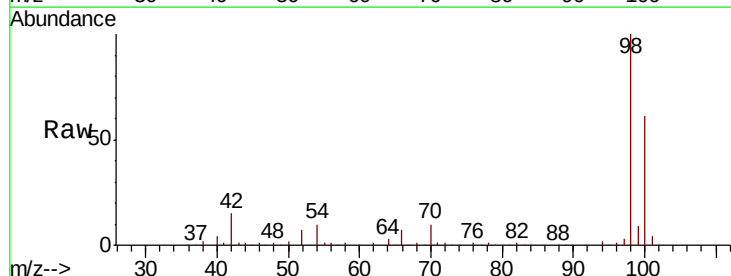
RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

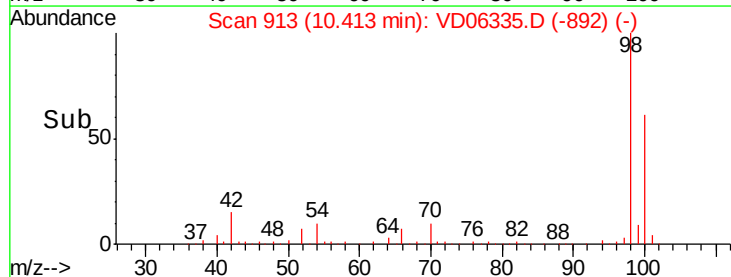
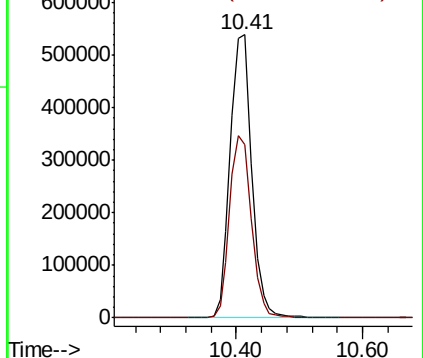
Lab File: VD06335.D

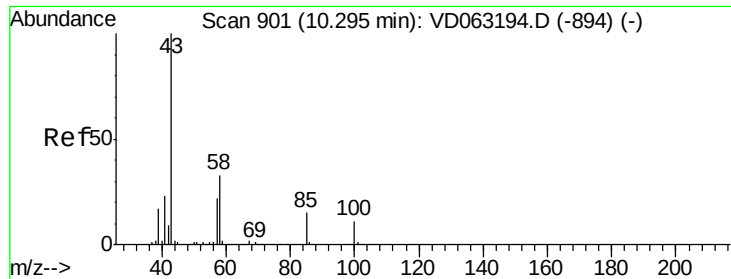
Acq: 3 Aug 2019 1:28

Tgt Ion: 98 Resp: 1274543
Ion Ratio Lower Upper
98 100
100 61.1 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: 1.541 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD06335.D

Acq: 3 Aug 2019 1:28

Instrument :

MSVOA_D

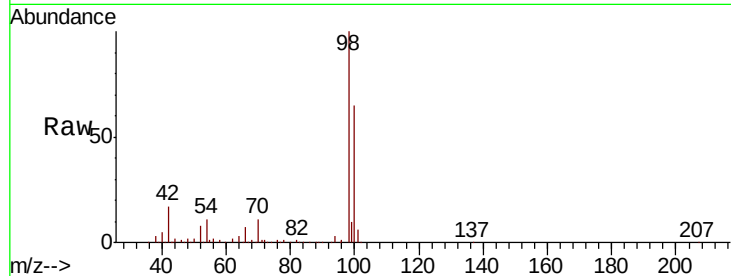
ClientSampleId :

Tgt Ion: 43 Resp: 9043

Ion Ratio Lower Upper

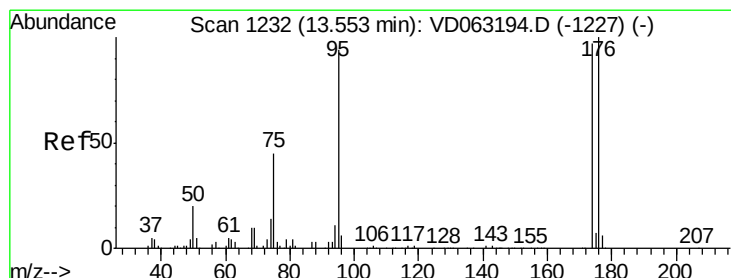
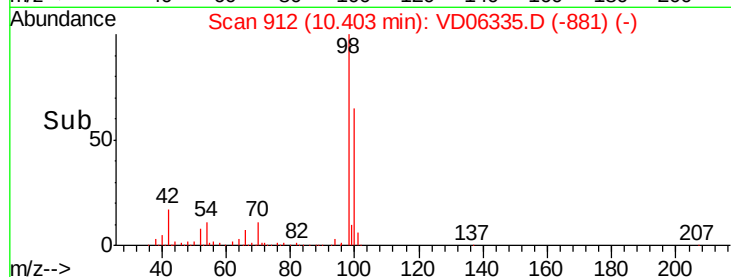
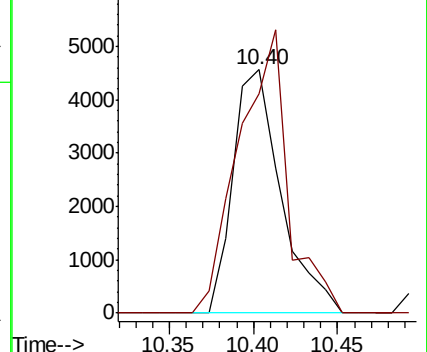
43 100

58 90.5 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: 33.396 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD06335.D

Acq: 3 Aug 2019 1:28

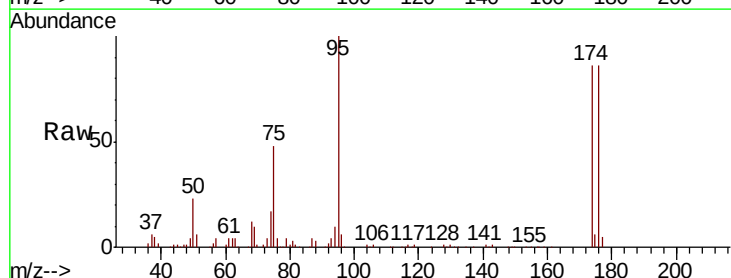
Tgt Ion: 95 Resp: 479004

Ion Ratio Lower Upper

95 100

174 85.7 0.0 205.4

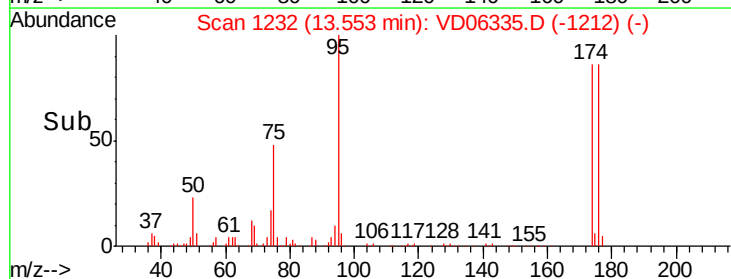
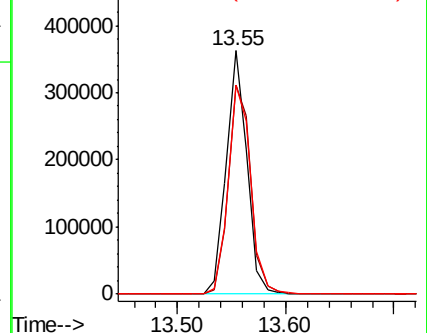
176 85.9 0.0 211.8

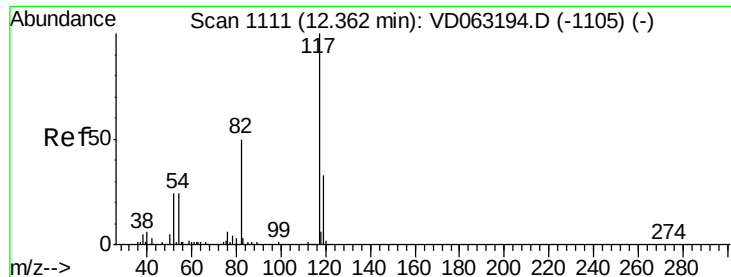


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

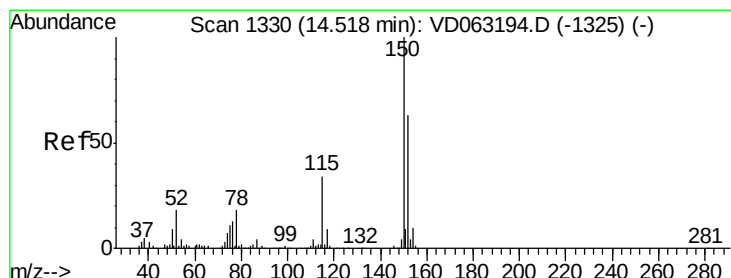
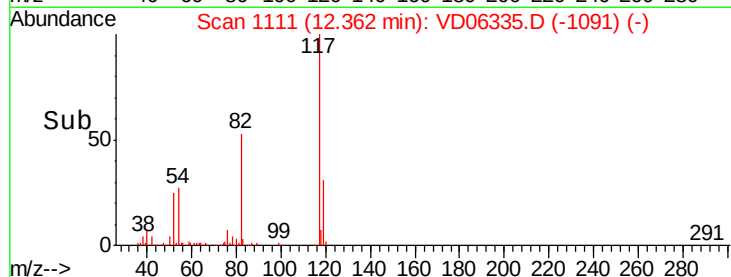
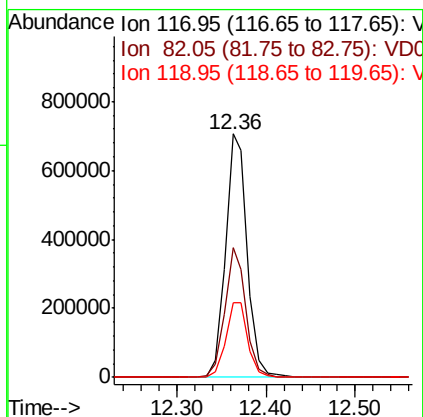
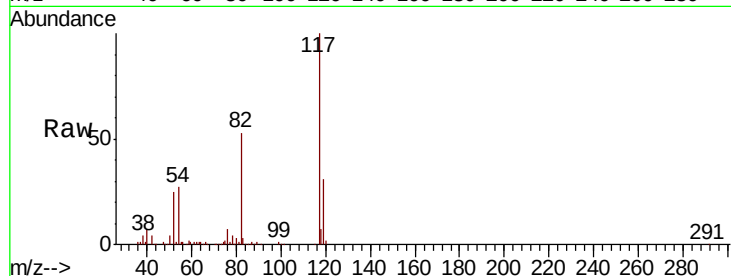




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD06335.D
Acq: 3 Aug 2019 1:28

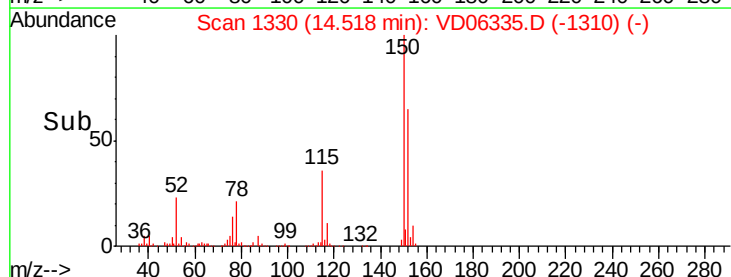
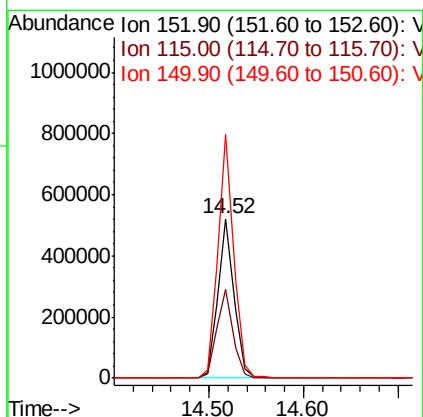
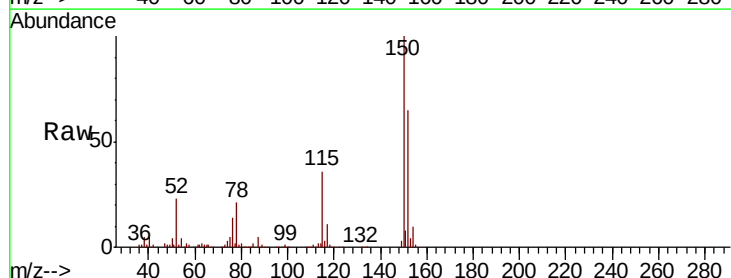
Instrument :
MSVOA_D
ClientSampled :

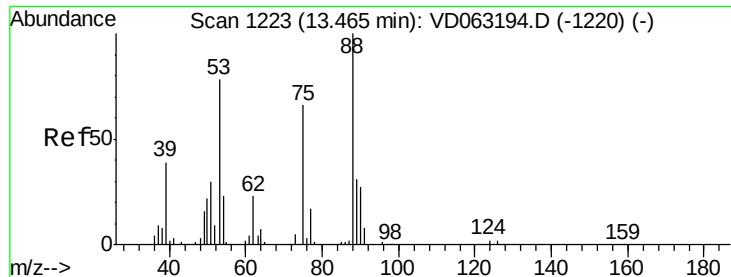
Tgt Ion:117 Resp: 1208967
Ion Ratio Lower Upper
117 100
82 53.4 40.1 60.1
119 30.7 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD06335.D
Acq: 3 Aug 2019 1:28

Tgt Ion:152 Resp: 610846
Ion Ratio Lower Upper
152 100
115 55.3 27.5 82.4
150 152.9 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 111.460 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD06335.D

Acq: 3 Aug 2019 1:28

Instrument :

MSVOA_D

ClientSampleId :

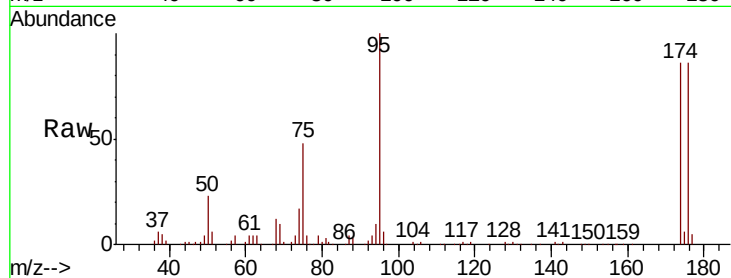
Tgt Ion: 75 Resp: 227082

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



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

