

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD06336.D
 Acq On : 3 Aug 2019 1:55
 Operator : VA/AP
 Sample : K4130-13
 Misc : 5.12g/5ml/MSVOA_D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 03:43:50 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	1156296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1667899	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1329061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	638541	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	586072	45.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.36%	
35) Dibromofluoromethane	6.92	113	653406	45.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.76%	
50) Toluene-d8	10.40	98	1416178	44.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.88%	
62) 4-Bromofluorobenzene	13.55	95	552061	38.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.02%	

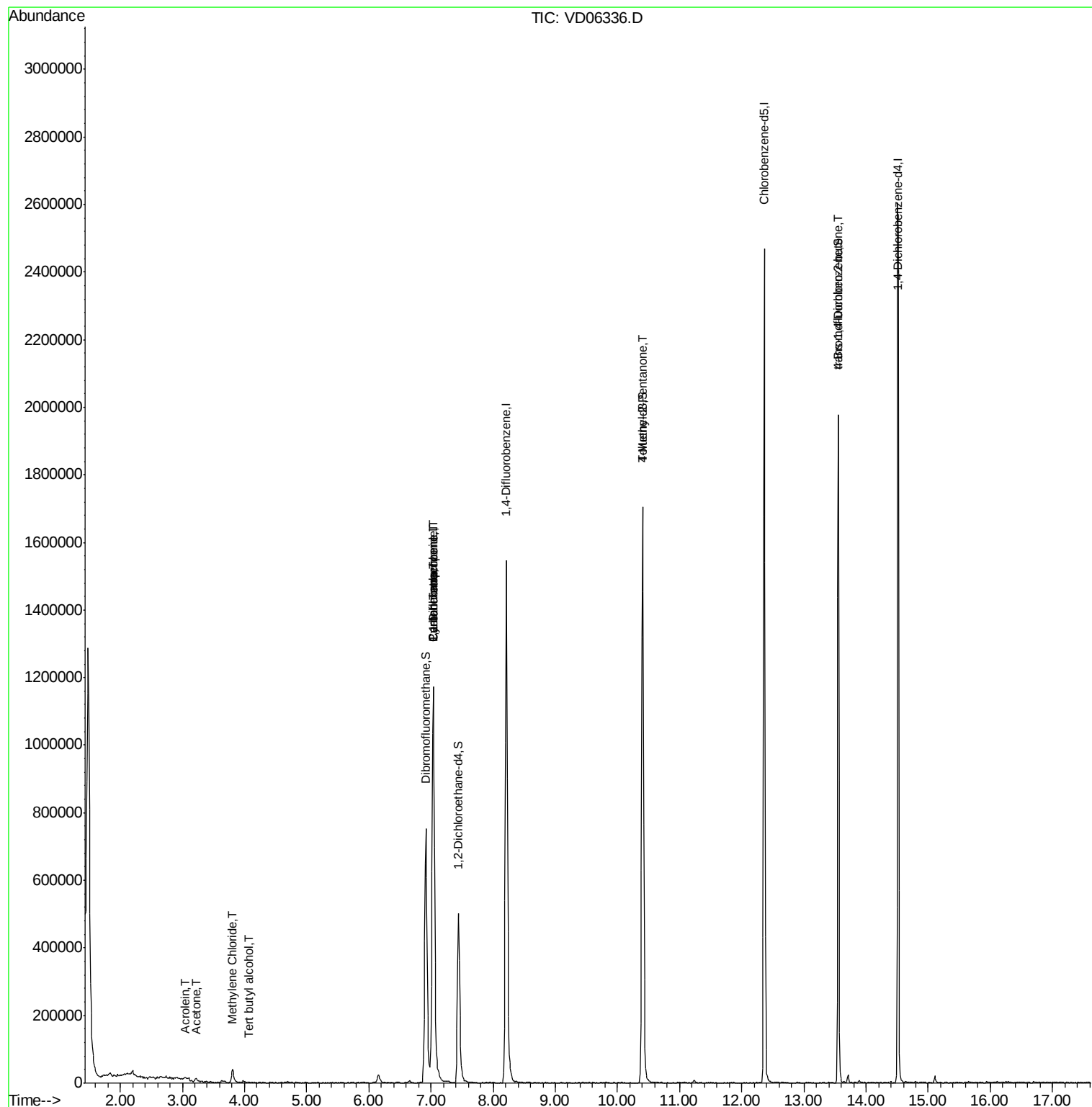
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	780	1.385	ug/l #	69
13) Acrolein	3.05	56	662	1.222	ug/l #	15
16) Acetone	3.22	43	22401	8.961	ug/l #	89
20) Methylene Chloride	3.80	84	22966	2.273	ug/l #	78
31) Cyclohexane	7.03	56	24002	2.100	ug/l #	12
36) 1,1-Dichloropropene	7.05	75	84634	5.560	ug/l #	51
38) Carbon Tetrachloride	7.04	117	114090	4.979	ug/l #	17
49) 1,4-Dioxane	8.71	88	181	Below Cal	#	22
51) 4-Methyl-2-Pentanone	10.40	43	8637	1.454	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	261290	122.688	ug/l #	3

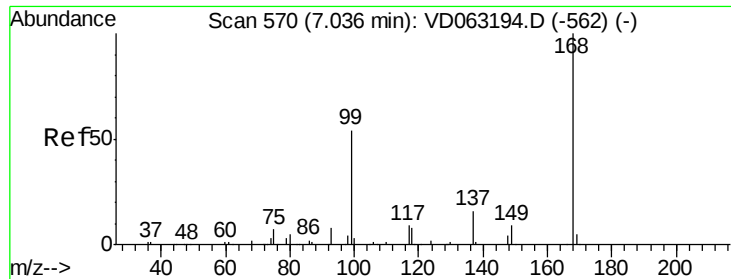
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Aug 04 03:43:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
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: VD06336.D

Acq: 3 Aug 2019 1:55

Instrument :

MSVOA_D

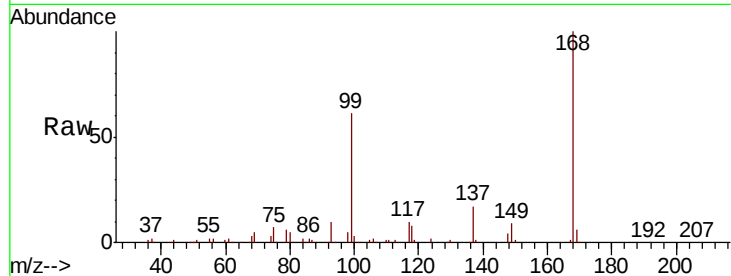
ClientSampleId :

Tgt Ion:168 Resp: 1156296

Ion Ratio Lower Upper

168 100

99 61.2 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

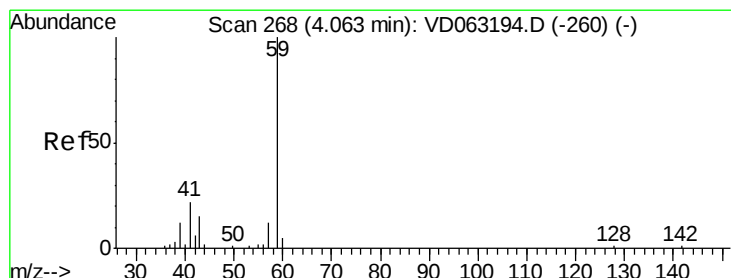
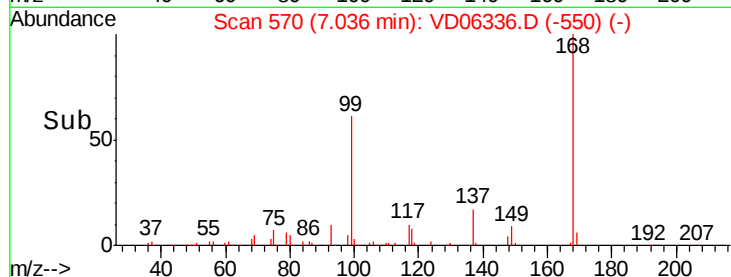
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 1.385 ug/l

RT: 4.06 min Scan# 268

Delta R.T. 0.00 min

Lab File: VD06336.D

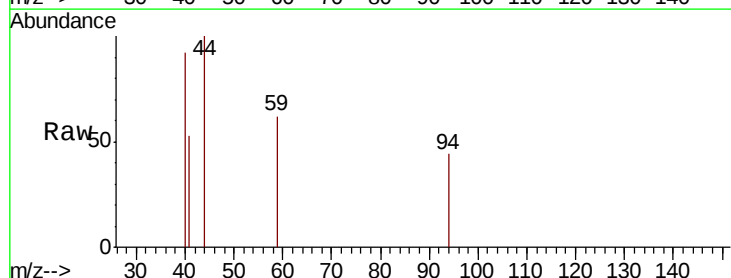
Acq: 3 Aug 2019 1:55

Tgt Ion: 59 Resp: 780

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.06

600

500

400

300

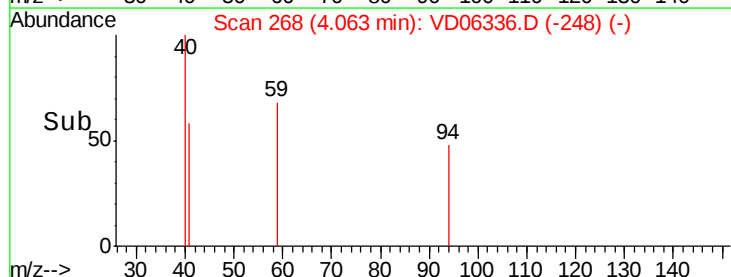
200

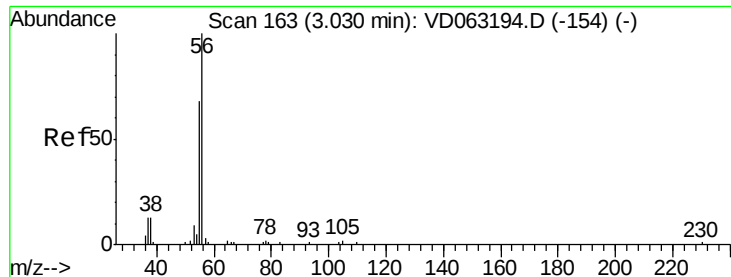
100

0

4.05 4.10

Time-->





#13

Acrolein

Concen: 1.222 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD06336.D

Acq: 3 Aug 2019 1:55

Instrument :

MSVOA_D

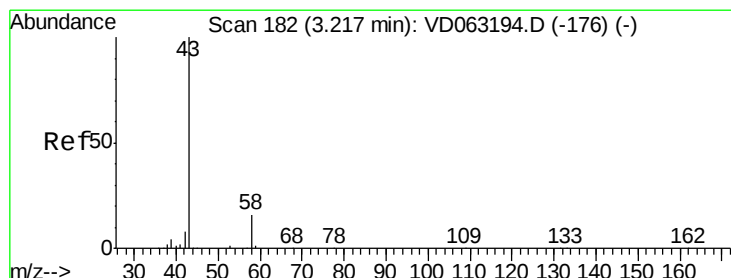
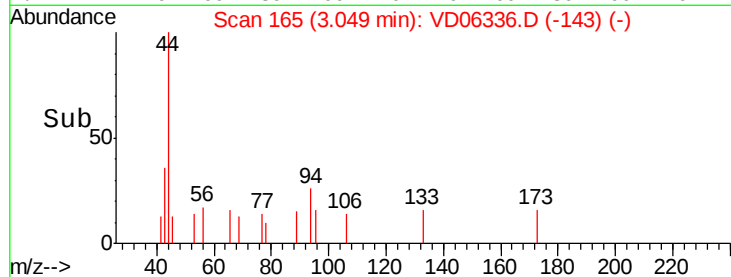
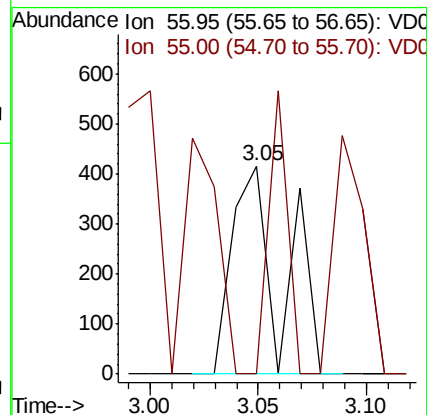
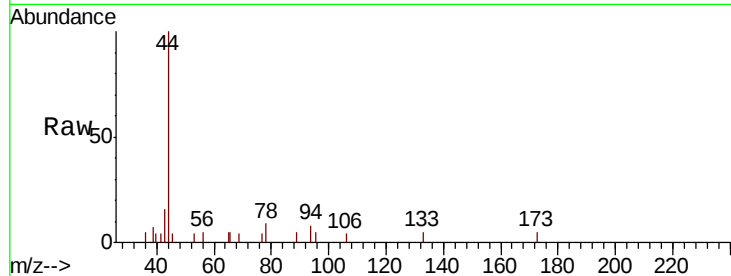
ClientSampleId :

Tgt Ion: 56 Resp: 662

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#



#16

Acetone

Concen: 8.961 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD06336.D

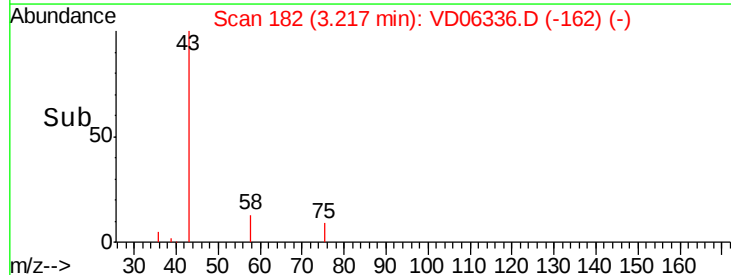
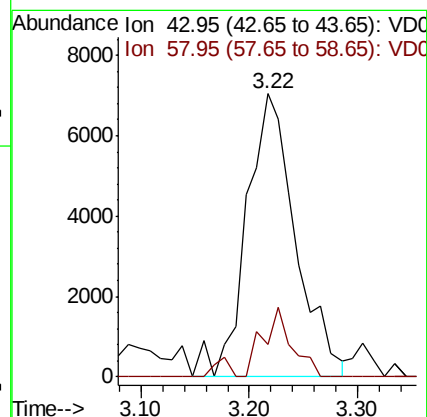
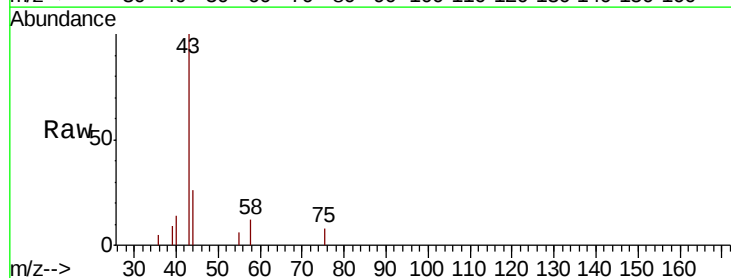
Acq: 3 Aug 2019 1:55

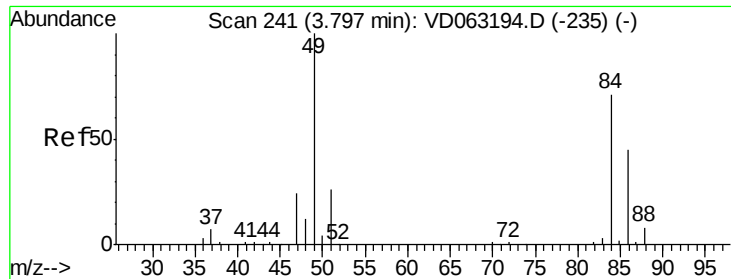
Tgt Ion: 43 Resp: 22401

Ion Ratio Lower Upper

43 100

58 11.5 13.0 19.4#

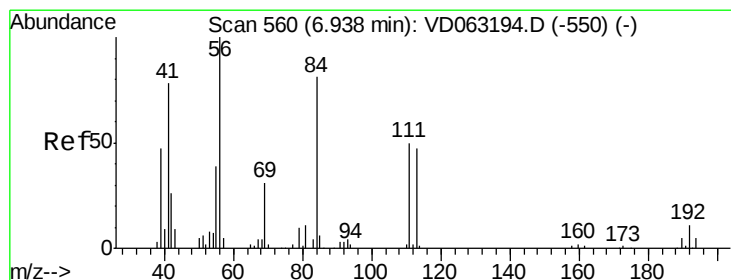
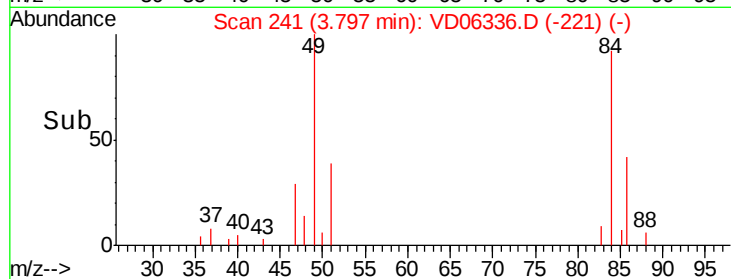
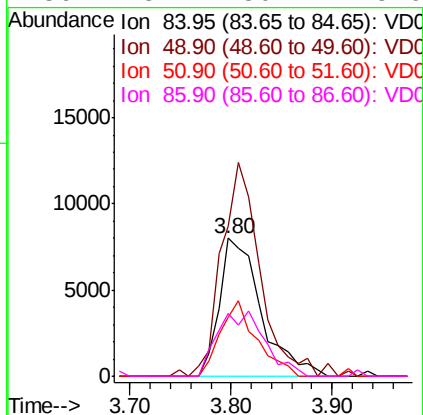
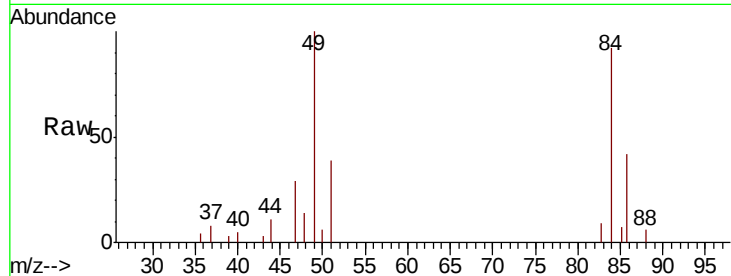




#20
Methylene Chloride
Concen: 2.273 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD06336.D
Acq: 3 Aug 2019 1:55

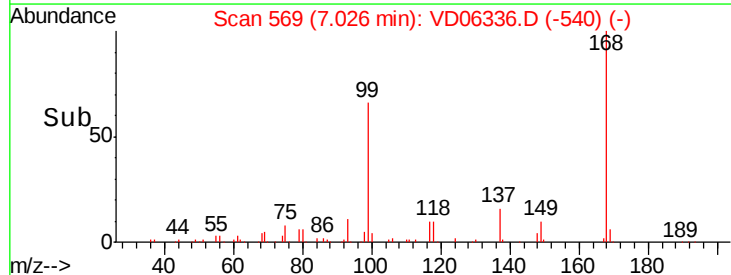
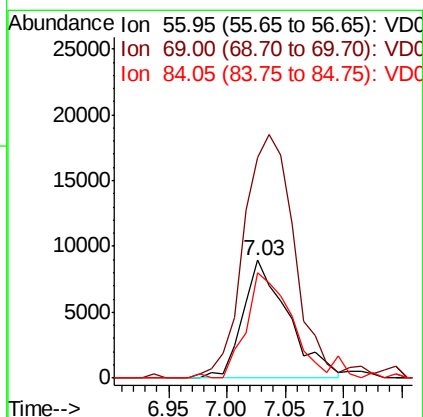
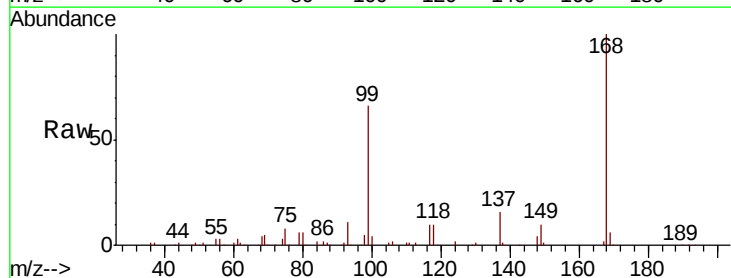
Instrument :
MSVOA_D
ClientSampleId :

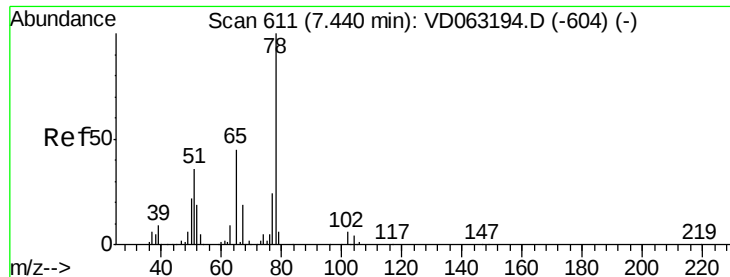
Tgt Ion: 84 Resp: 22966
Ion Ratio Lower Upper
84 100
49 108.9 112.5 168.7#
51 42.3 29.6 44.4
86 45.4 50.4 75.6#



#31
Cyclohexane
Concen: 2.100 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD06336.D
Acq: 3 Aug 2019 1:55

Tgt Ion: 56 Resp: 24002
Ion Ratio Lower Upper
56 100
69 190.9 24.5 36.7#
84 90.0 64.9 97.3





#33

1,2-Dichloroethane-d4

Concen: 45.679 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD06336.D

Acq: 3 Aug 2019 1:55

Instrument :

MSVOA_D

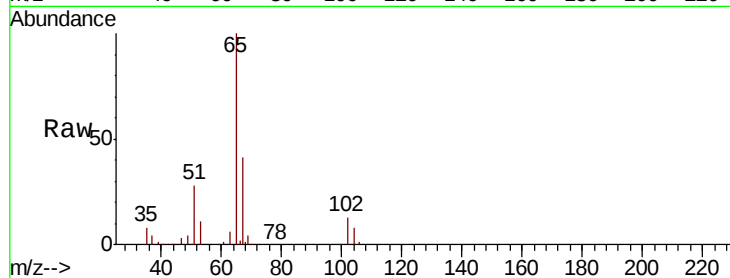
ClientSampleId :

Tgt Ion: 65 Resp: 586072

Ion Ratio Lower Upper

65 100

67 41.1 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

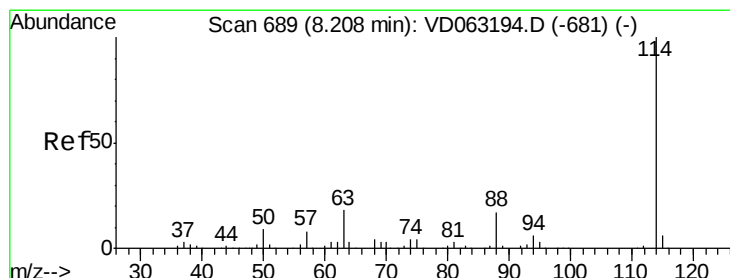
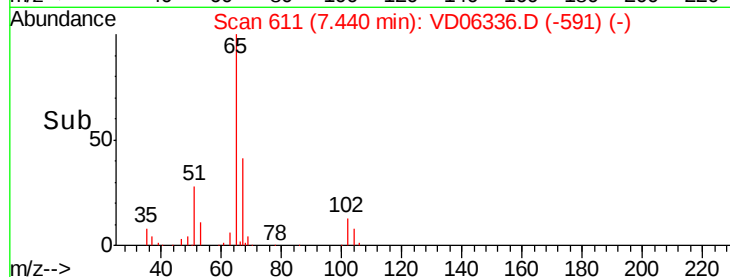
100000

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: VD06336.D

Acq: 3 Aug 2019 1:55

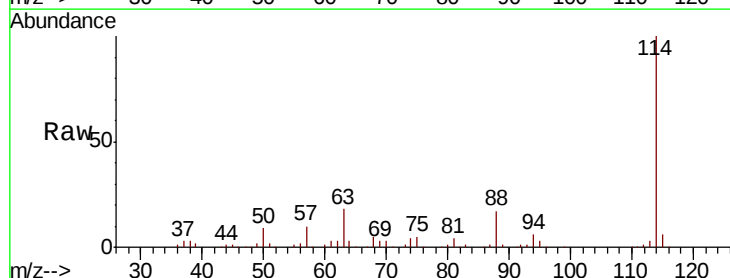
Tgt Ion: 114 Resp: 1667899

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.2

88 17.4 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

800000

600000

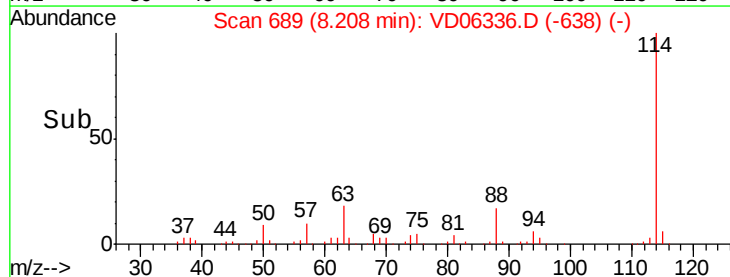
400000

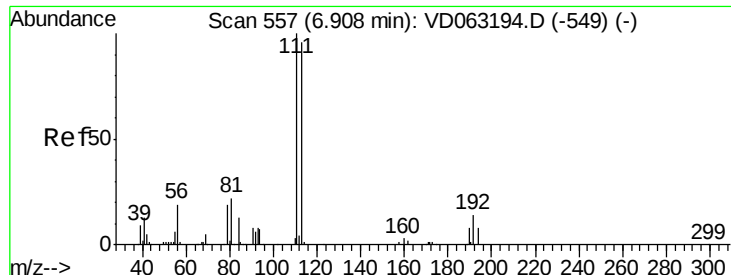
200000

0

8.00 8.20 8.40

Time-->

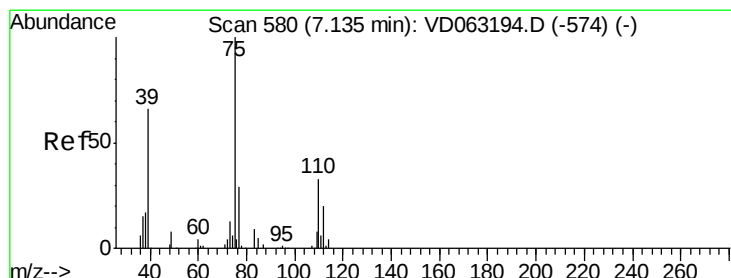
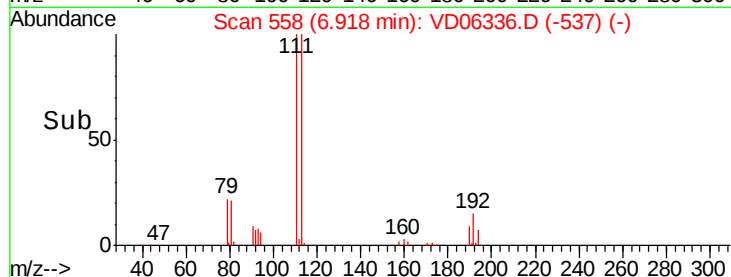
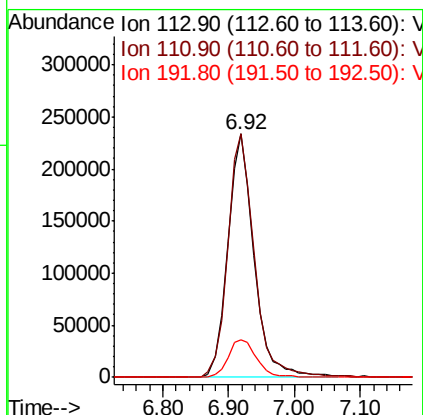
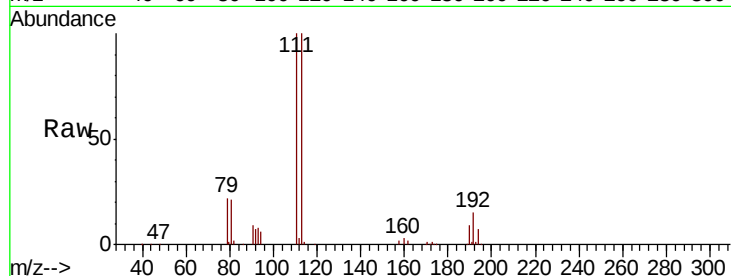




#35
 Dibromofluoromethane
 Concen: 45.884 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD06336.D
 Acq: 3 Aug 2019 1:55

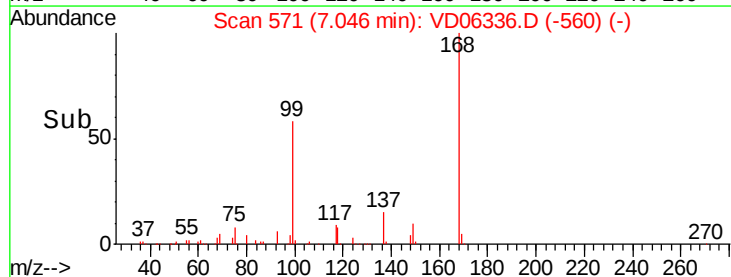
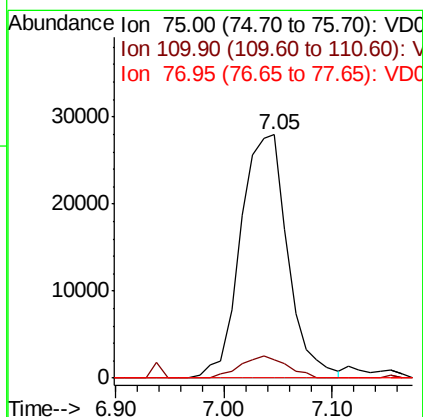
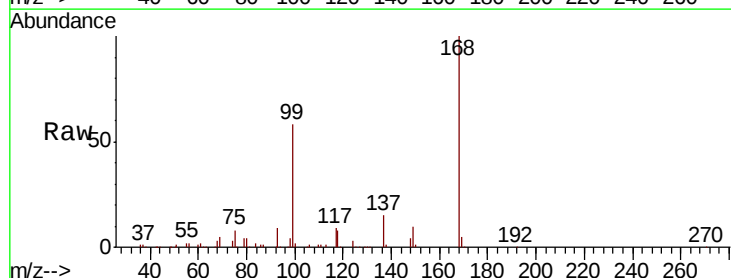
Instrument :
 MSVOA_D
 ClientSampleId :

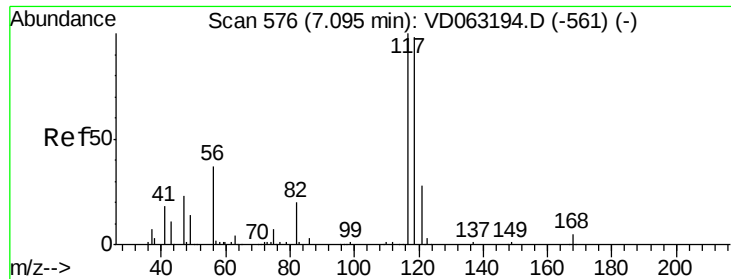
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.1	83.2	124.8
192	15.2	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 5.560 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD06336.D
 Acq: 3 Aug 2019 1:55

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: 4.979 ug/l

RT: 7.04 min Scan# 570

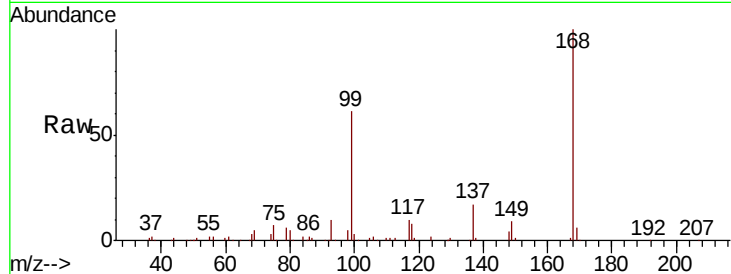
Delta R.T. -0.06 min

Lab File: VD06336.D

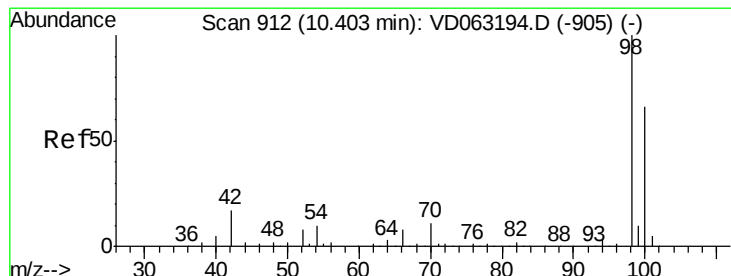
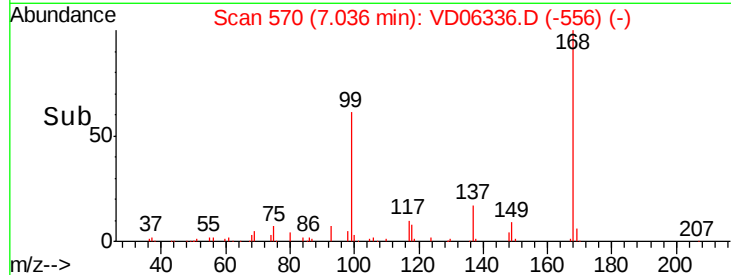
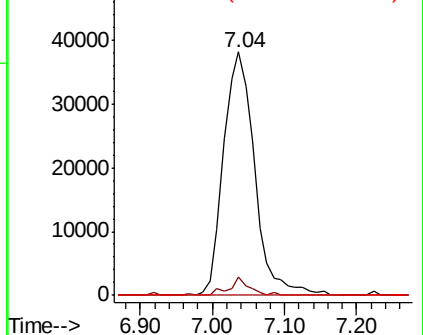
Acq: 3 Aug 2019 1:55

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:117 Resp: 114090
Ion Ratio Lower Upper
117 100
119 7.3 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: 44.436 ug/l

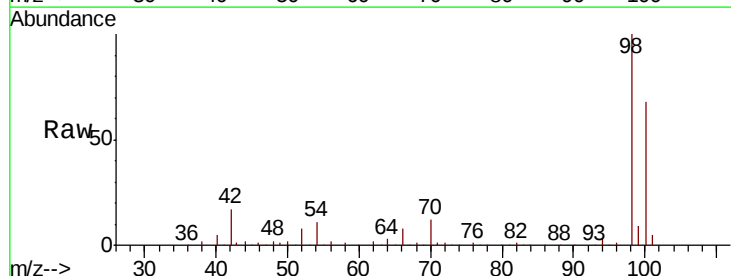
RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

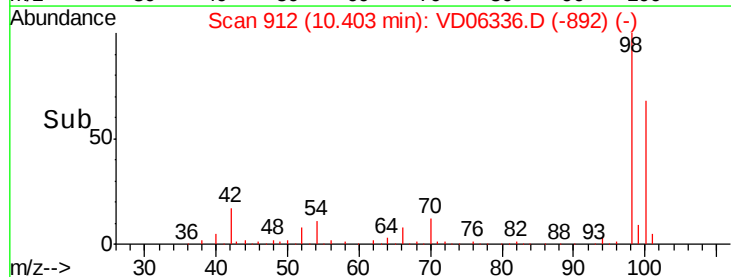
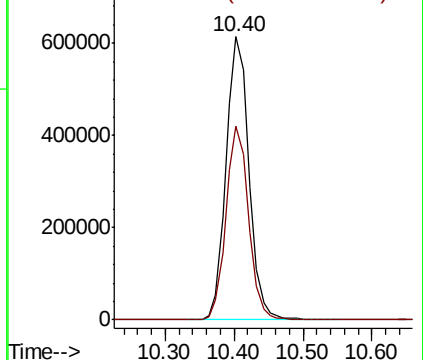
Lab File: VD06336.D

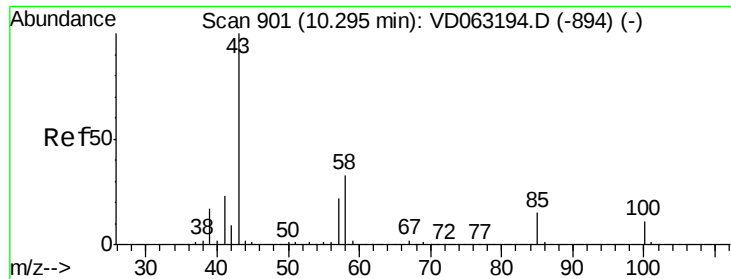
Acq: 3 Aug 2019 1:55

Tgt Ion: 98 Resp: 1416178
Ion Ratio Lower Upper
98 100
100 68.4 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.454 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD06336.D

Acq: 3 Aug 2019 1:55

Instrument :

MSVOA_D

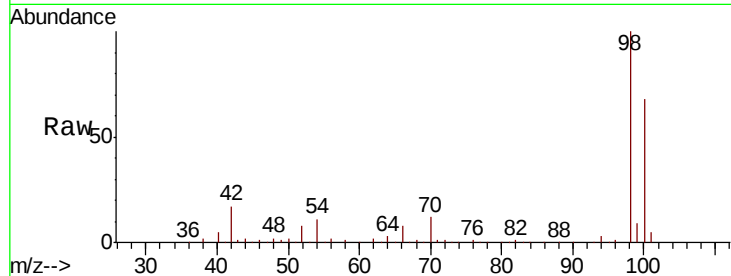
ClientSampleId :

Tgt Ion: 43 Resp: 8637

Ion Ratio Lower Upper

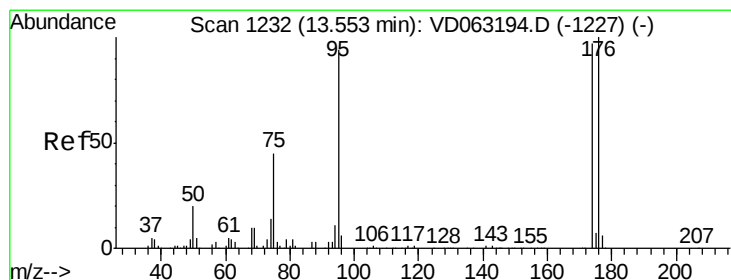
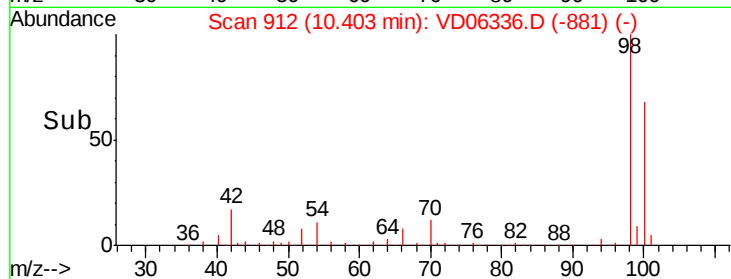
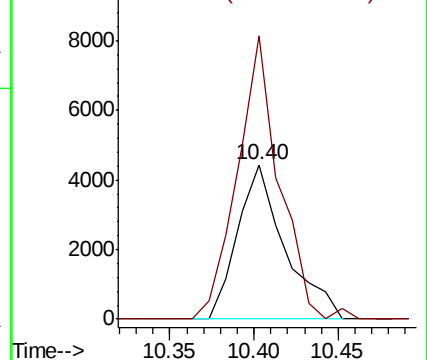
43 100

58 183.1 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: 38.013 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD06336.D

Acq: 3 Aug 2019 1:55

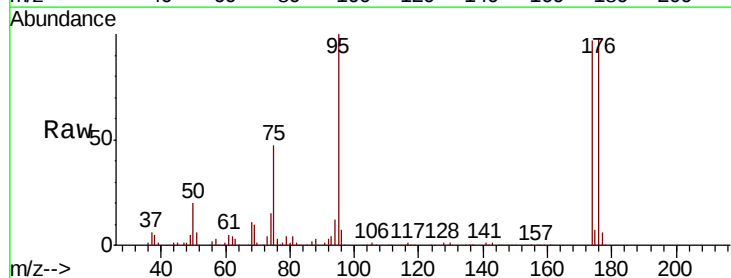
Tgt Ion: 95 Resp: 552061

Ion Ratio Lower Upper

95 100

174 97.3 0.0 205.4

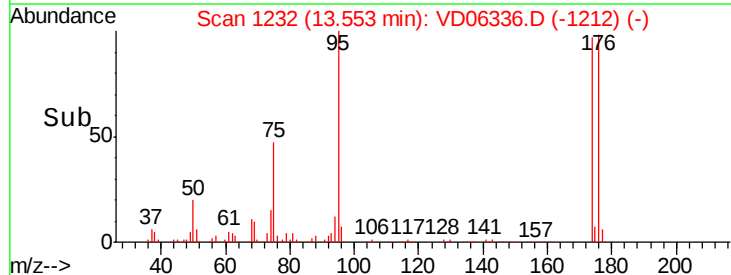
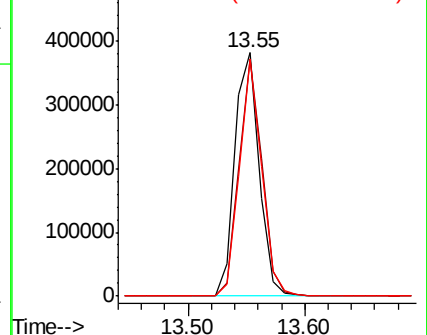
176 97.6 0.0 211.8

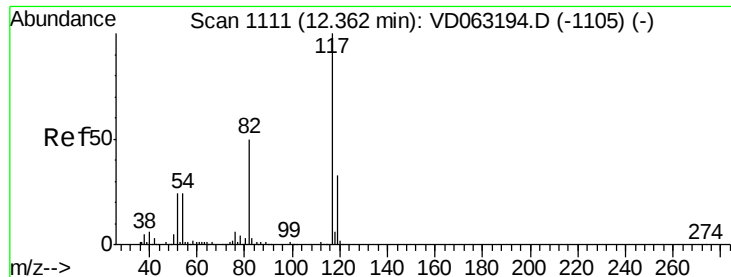


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

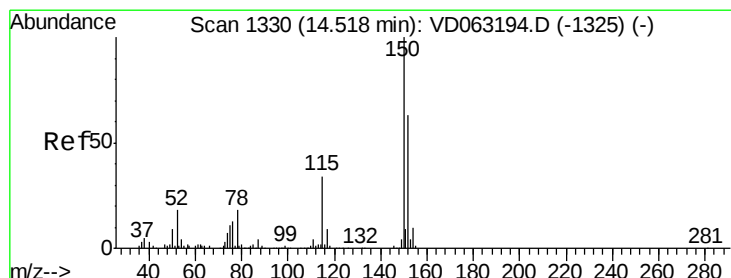
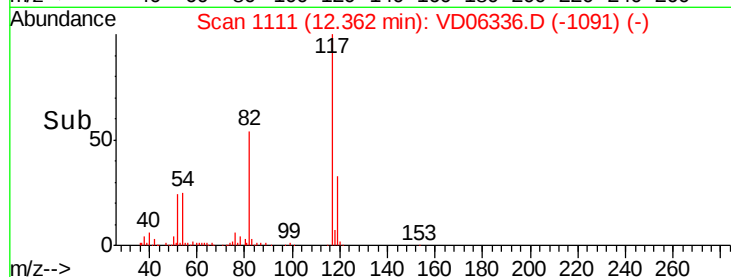
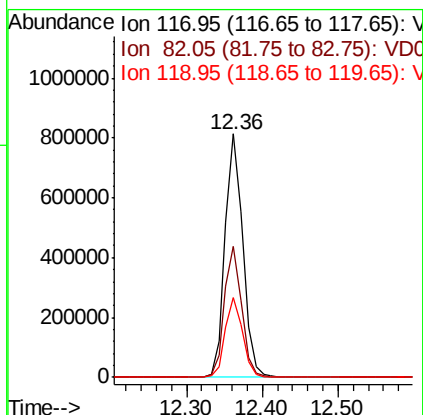
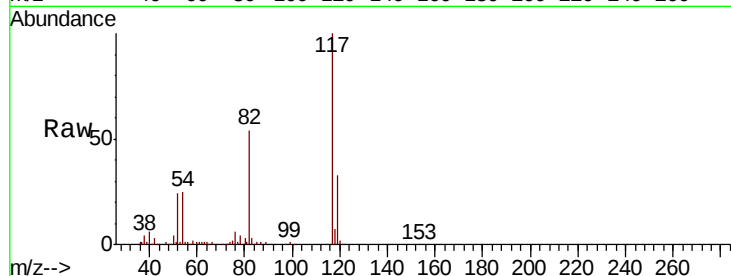




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD06336.D
Acq: 3 Aug 2019 1:55

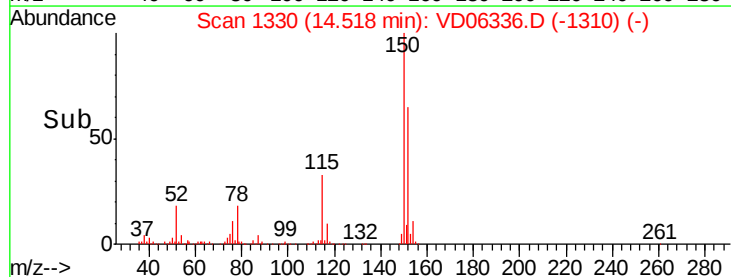
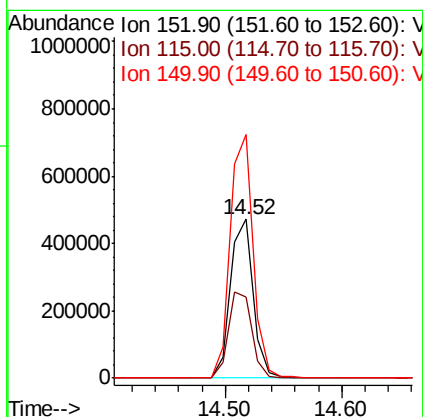
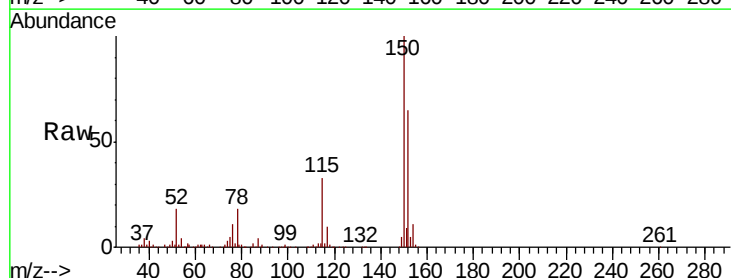
Instrument :
MSVOA_D
ClientSampleId :

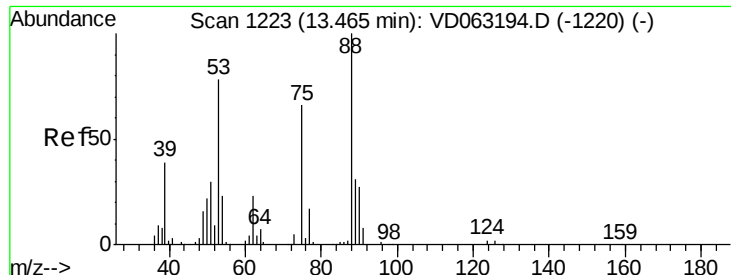
Tgt Ion:117 Resp: 1329061
Ion Ratio Lower Upper
117 100
82 53.8 40.1 60.1
119 32.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD06336.D
Acq: 3 Aug 2019 1:55

Tgt Ion:152 Resp: 638541
Ion Ratio Lower Upper
152 100
115 51.2 27.5 82.4
150 153.3 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 122.688 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD06336.D

Acq: 3 Aug 2019 1:55

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75 Resp: 261290

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

