

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062751.D
 Acq On : 18 Jun 2019 15:58
 Operator : VA/AP
 Sample : K3419-06
 Misc : 6.37g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:25:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

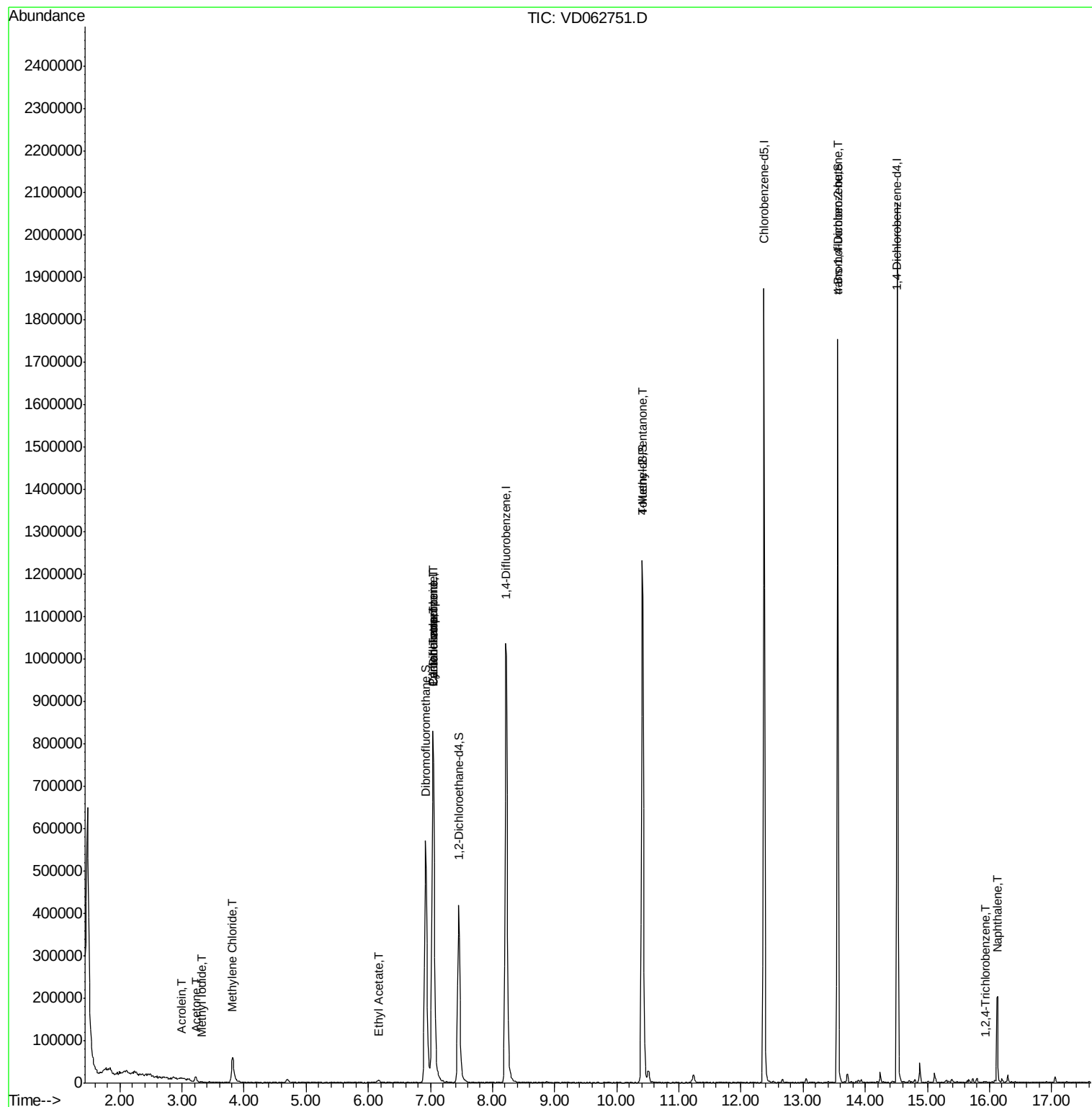
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	790275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1116533	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	936851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	491473	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	470643	41.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.54%	
35) Dibromofluoromethane	6.92	113	501457	42.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.18%	
50) Toluene-d8	10.41	98	1025323	41.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.78%	
62) 4-Bromofluorobenzene	13.56	95	482659	41.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	975	Below Cal	#	42
10) Methyl Iodide	3.32	142	346	4.031	ug/l #	24
13) Acrolein	3.01	56	183	1.214	ug/l #	12
16) Acetone	3.22	43	24268	11.622	ug/l #	78
20) Methylene Chloride	3.81	84	39434	4.597	ug/l	90
31) Cyclohexane	7.04	56	18449	2.050	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	64016	5.010	ug/l #	51
37) Ethyl Acetate	6.16	43	658	1.319	ug/l #	74
38) Carbon Tetrachloride	7.04	117	82187	4.069	ug/l #	18
51) 4-Methyl-2-Pentanone	10.41	43	6093	1.291	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	233137	112.676	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	553	3.609	ug/l #	86
95) Naphthalene	16.13	128	138141	10.661	ug/l	99

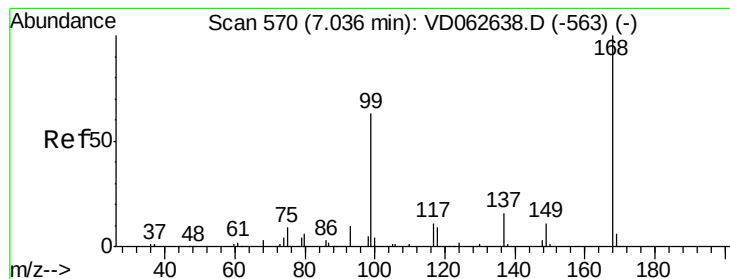
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061819\
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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD062751.D

Acq: 18 Jun 2019 15:58

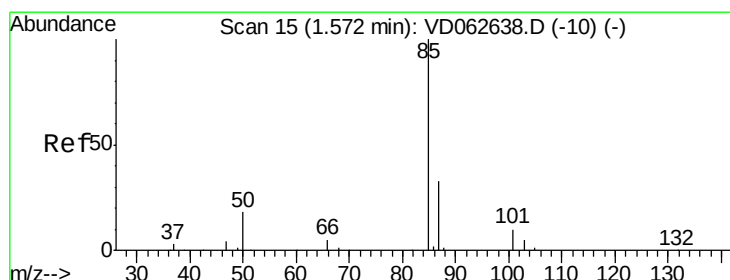
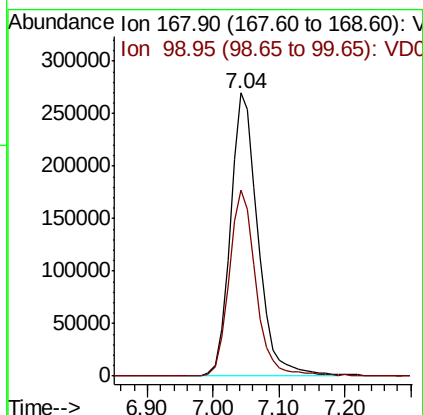
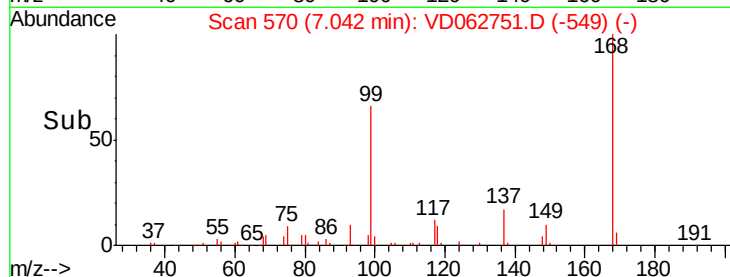
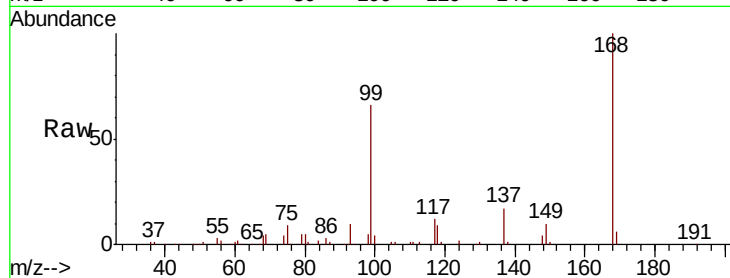
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 790275

Ion Ratio Lower Upper

168 100

99 65.6 51.4 77.2



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD062751.D

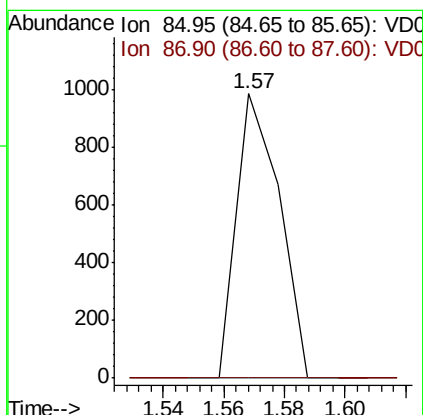
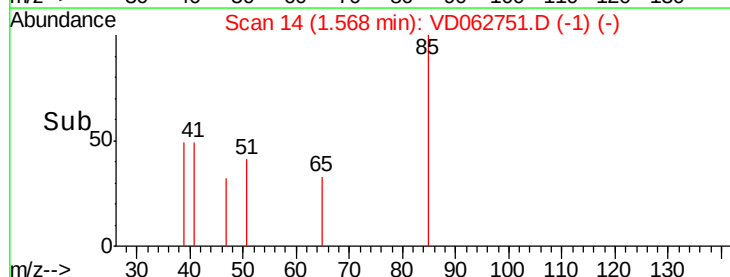
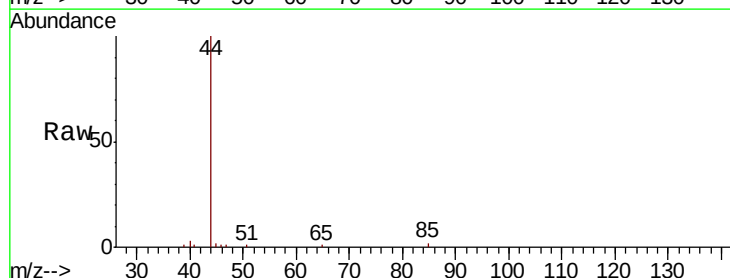
Acq: 18 Jun 2019 15:58

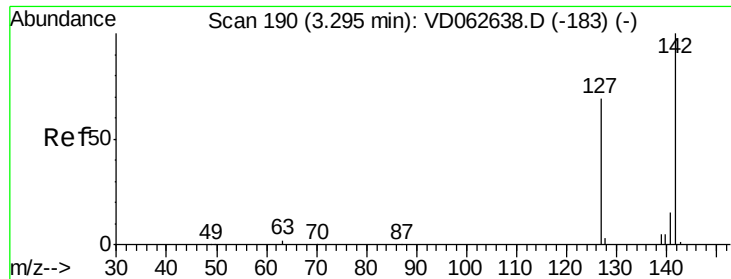
Tgt Ion: 85 Resp: 975

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.7#

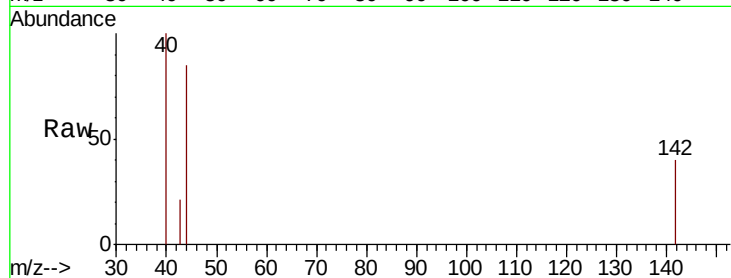




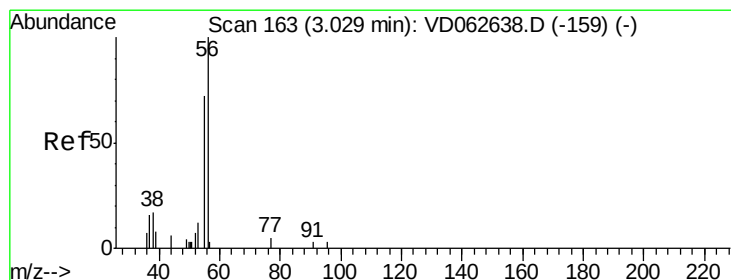
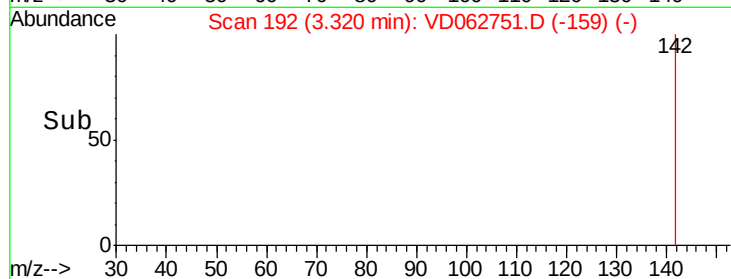
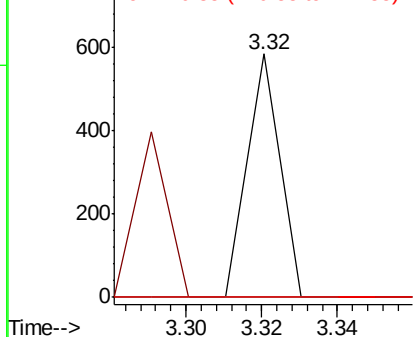
#10
Methyl Iodide
Concen: 4.031 ug/l
RT: 3.32 min Scan# 192
Delta R.T. 0.03 min
Lab File: VD062751.D
Acq: 18 Jun 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 346
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 0.0 12.1 18.1#

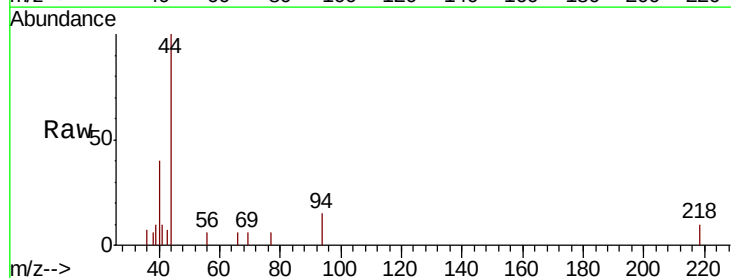


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

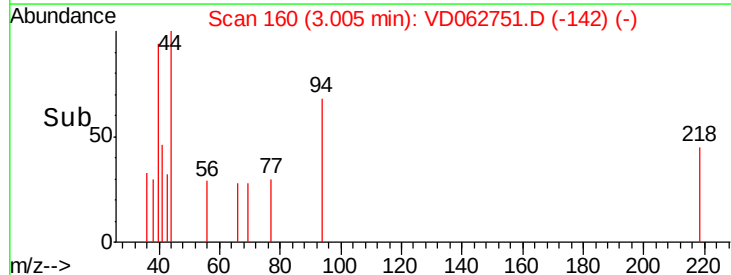
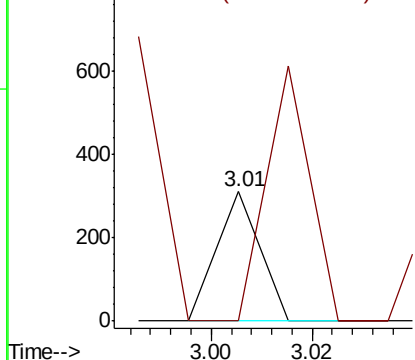


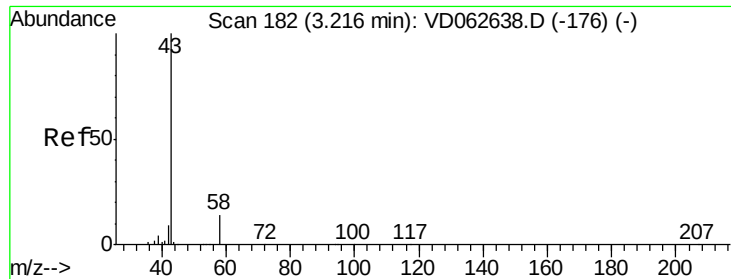
#13
Acrolein
Concen: 1.214 ug/l
RT: 3.01 min Scan# 160
Delta R.T. -0.02 min
Lab File: VD062751.D
Acq: 18 Jun 2019 15:58

Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 0.0 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): V
Ion 55.00 (54.70 to 55.70): V





#16

Acetone

Concen: 11.622 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD062751.D

Acq: 18 Jun 2019 15:58

Instrument :

MSVOA_D

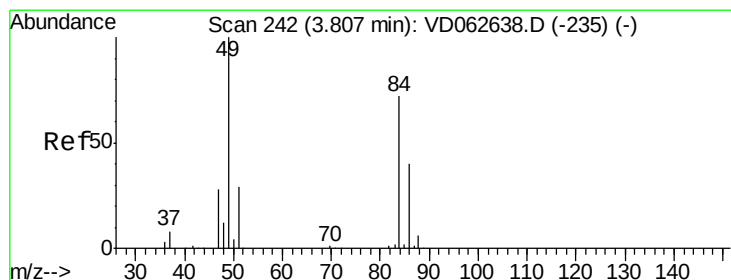
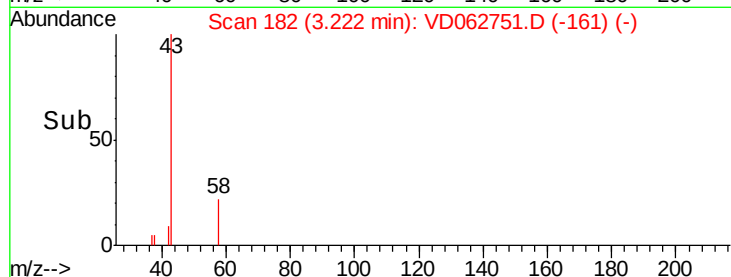
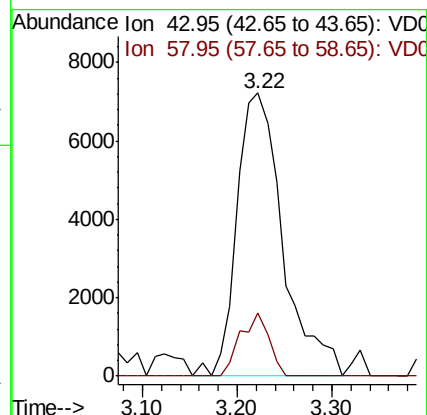
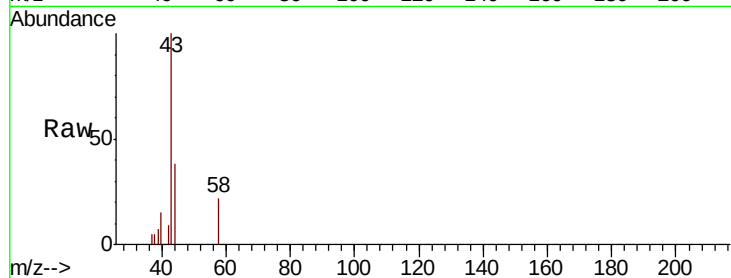
ClientSampleId :

Tot Ion: 43 Resp: 24268

Ion Ratio Lower Upper

43 100

58 22.2 10.8 16.2#



#20

Methylene Chloride

Concen: 4.597 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD062751.D

Acq: 18 Jun 2019 15:58

Tgt Ion: 84 Resp: 39434

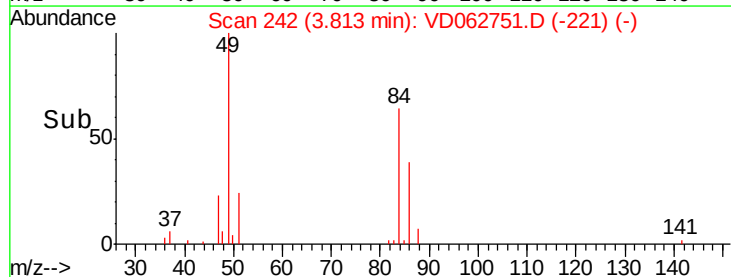
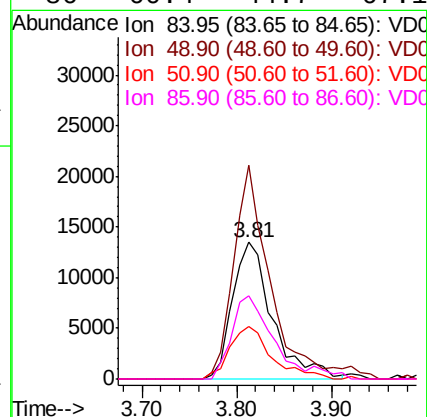
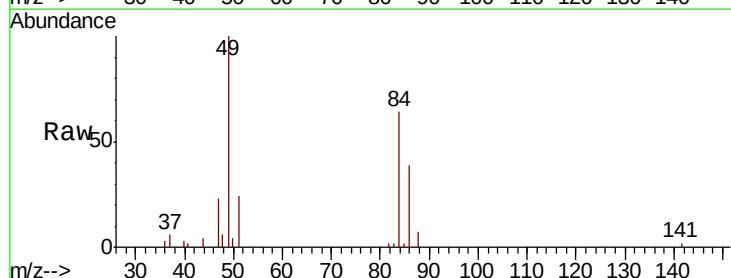
Ion Ratio Lower Upper

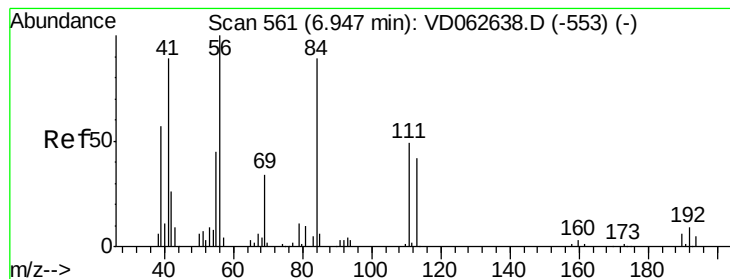
84 100

49 156.1 111.2 166.8

51 38.1 31.9 47.9

86 60.4 44.7 67.1





#31

Cyclohexane

Concen: 2.050 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.09 min

Lab File: VD062751.D

Acq: 18 Jun 2019 15:58

Instrument :

MSVOA_D

ClientSampled :

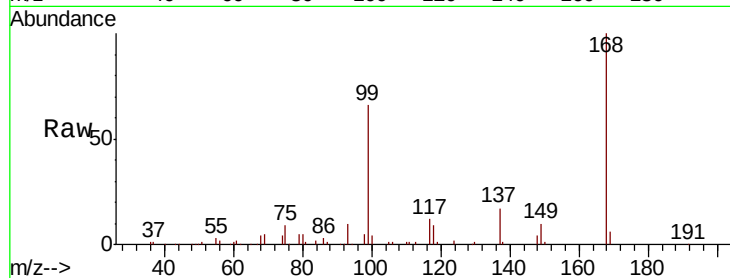
Tot Ion: 56 Resp: 18449

Ion Ratio Lower Upper

56 100

69 235.8 26.8 40.2#

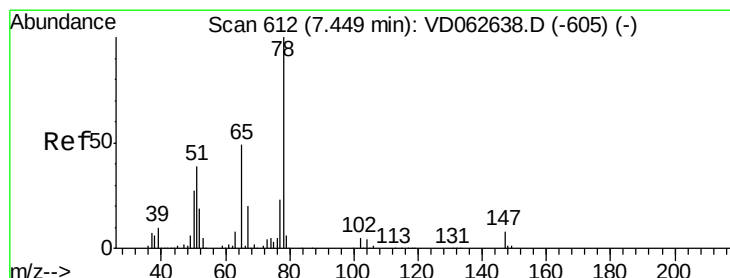
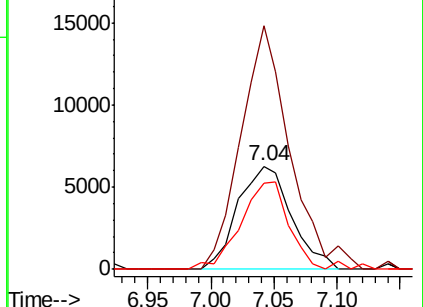
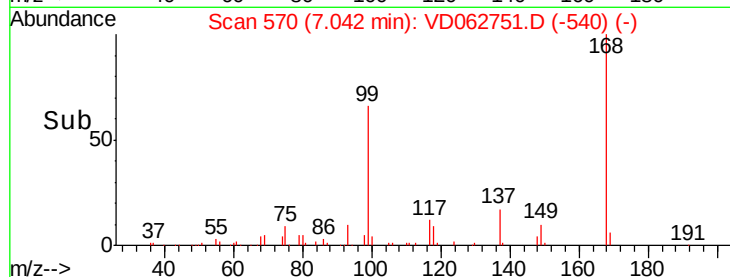
84 83.5 73.9 110.9



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: 41.271 ug/l

RT: 7.46 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD062751.D

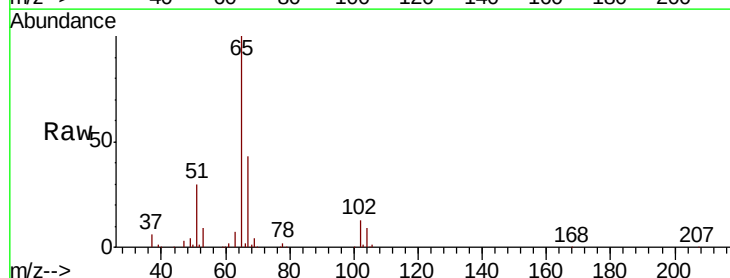
Acq: 18 Jun 2019 15:58

Tgt Ion: 65 Resp: 470643

Ion Ratio Lower Upper

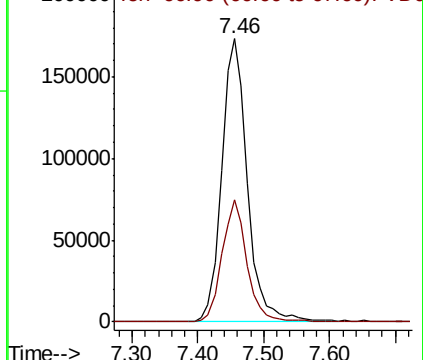
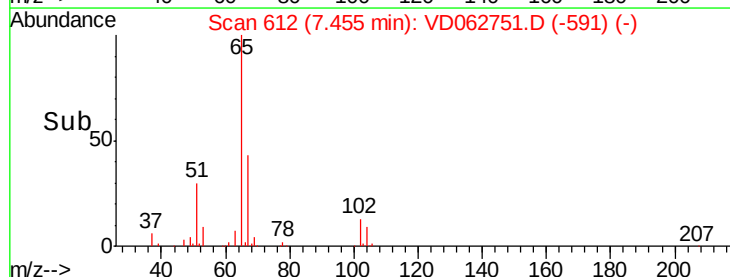
65 100

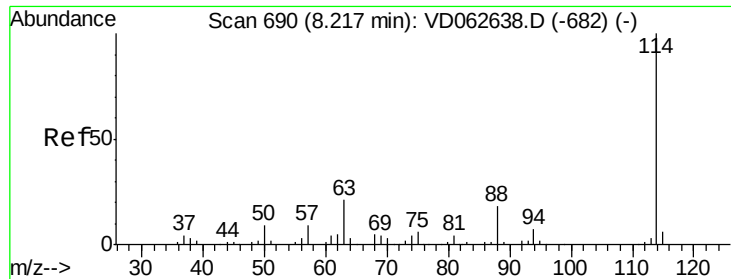
67 43.3 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

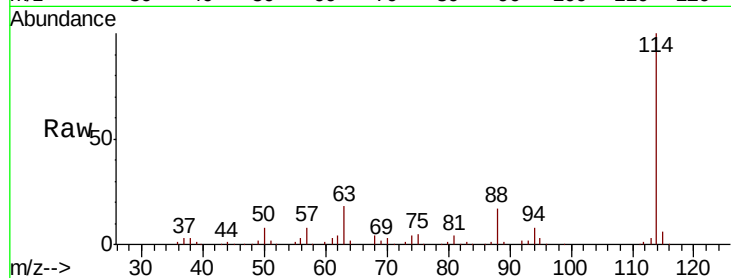




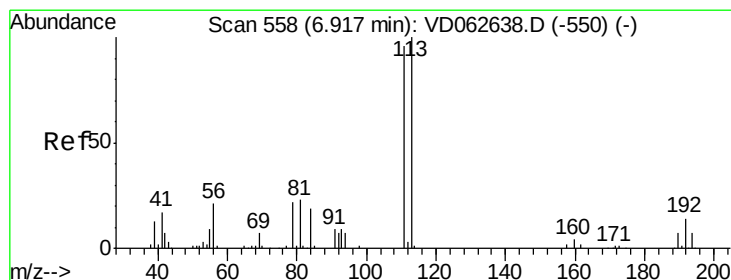
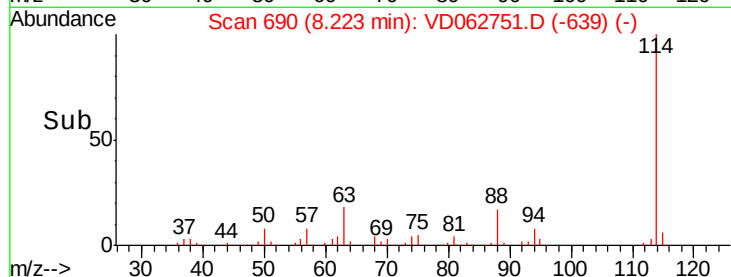
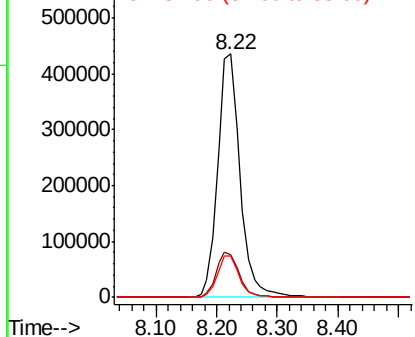
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD062751.D
 Acq: 18 Jun 2019 15:58

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:114 Resp: 1116533
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 42.4
 88 17.2 0.0 36.8

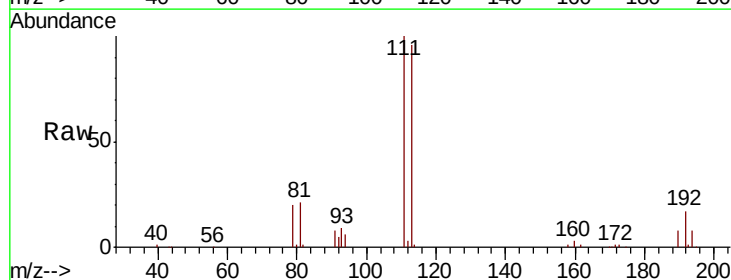


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

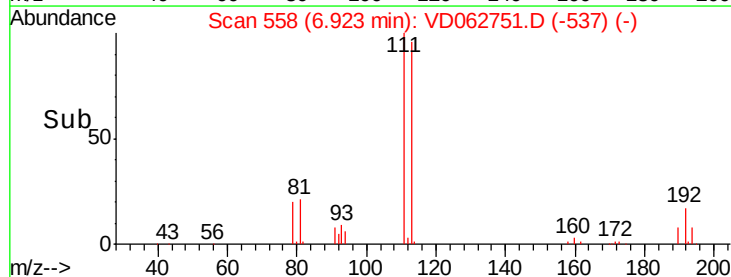
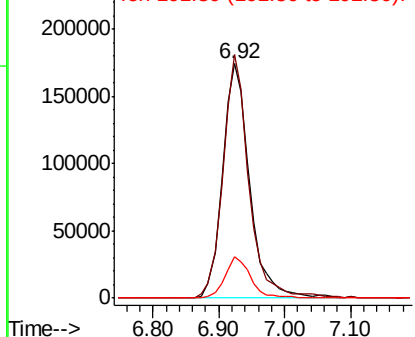


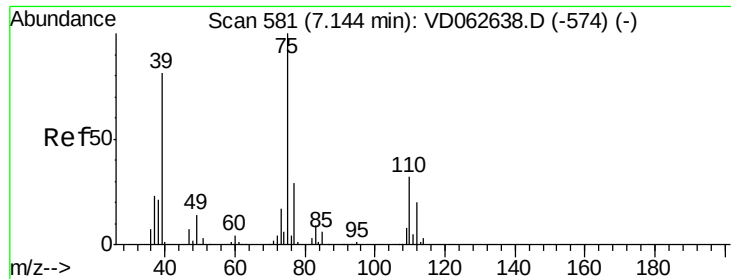
#35
 Dibromofluoromethane
 Concen: 42.585 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD062751.D
 Acq: 18 Jun 2019 15:58

Tgt Ion:113 Resp: 501457
 Ion Ratio Lower Upper
 113 100
 111 104.0 76.4 114.6
 192 17.4 11.4 17.0#



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

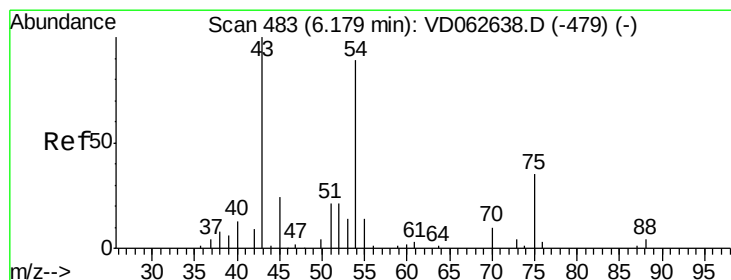
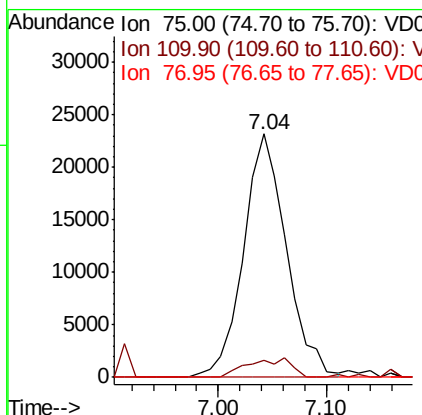
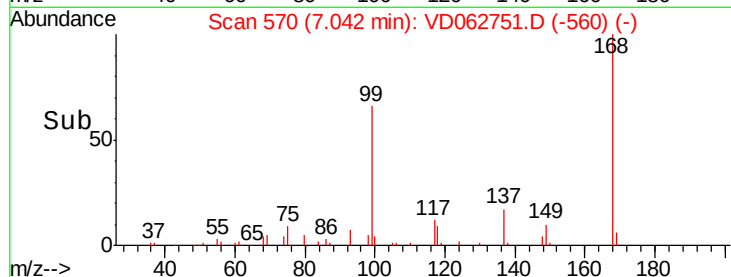
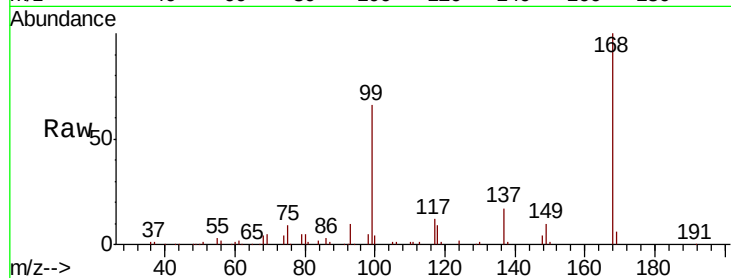




#36
 1,1-Dichloropropene
 Concen: 5.010 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD062751.D
 Acq: 18 Jun 2019 15:58

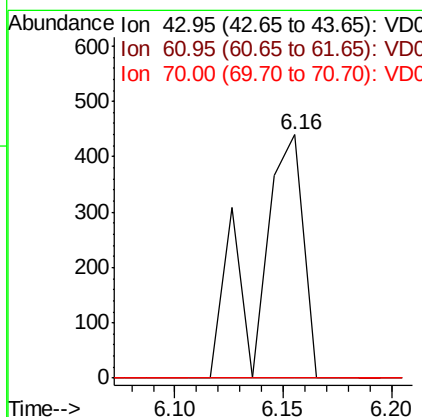
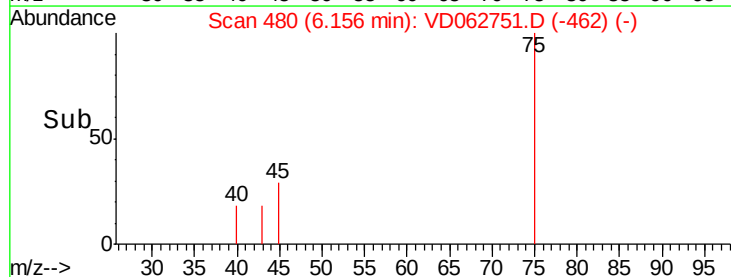
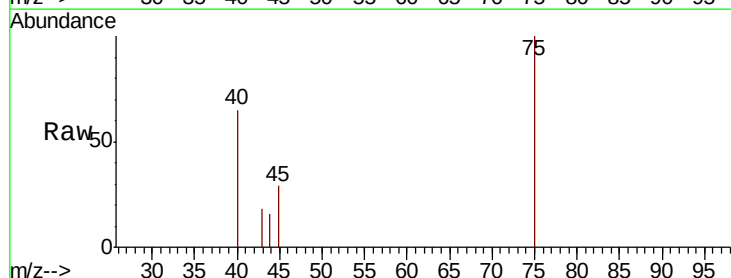
Instrument :
 MSVOA_D
 ClientSampleId :

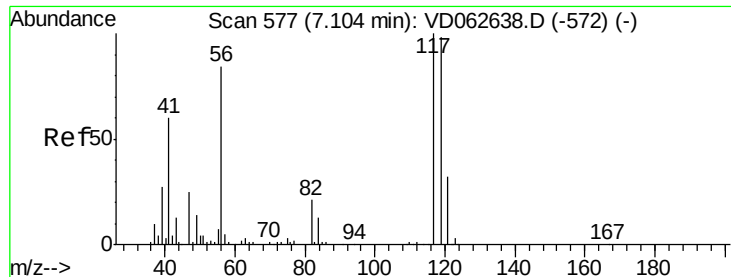
Tot Ion: 75 Resp: 64016
 Ion Ratio Lower Upper
 75 100
 110 7.1 15.9 47.7#
 77 0.0 23.3 34.9#



#37
 Ethyl Acetate
 Concen: 1.319 ug/l
 RT: 6.16 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: VD062751.D
 Acq: 18 Jun 2019 15:58

Tgt Ion: 43 Resp: 658
 Ion Ratio Lower Upper
 43 100
 61 0.0 8.7 13.1#
 70 0.0 6.5 9.7#

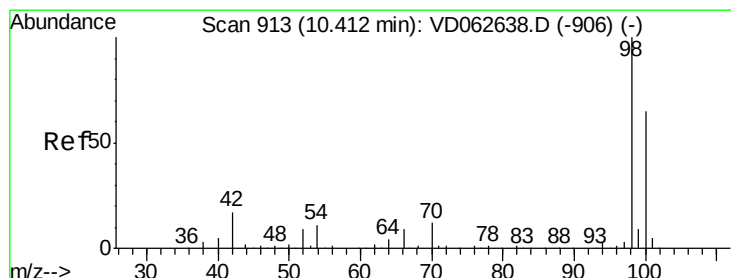
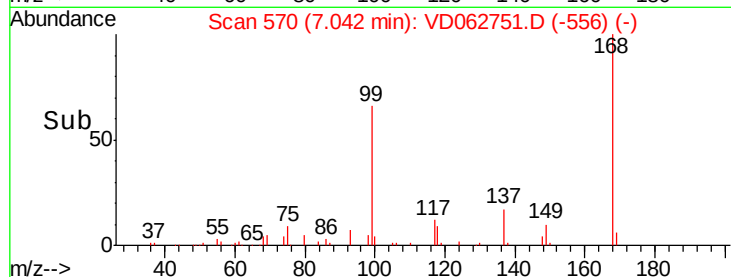
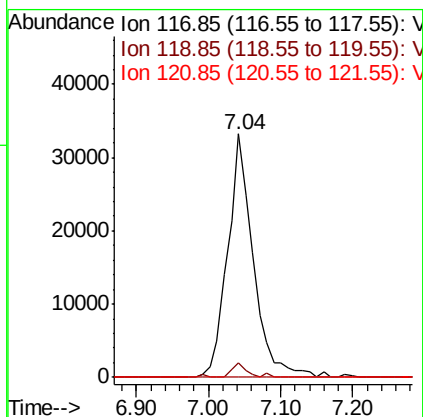
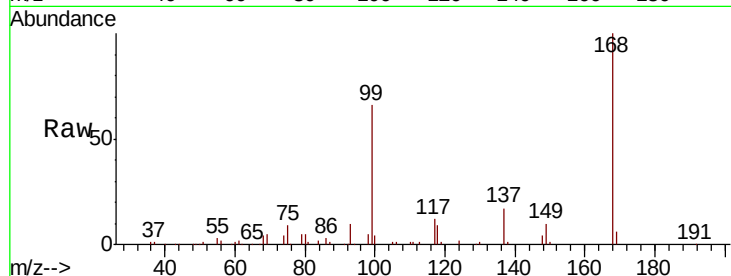




#38
Carbon Tetrachloride
Concen: 4.069 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD062751.D
Acq: 18 Jun 2019 15:58

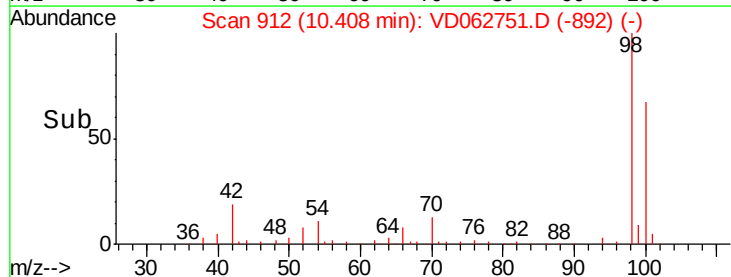
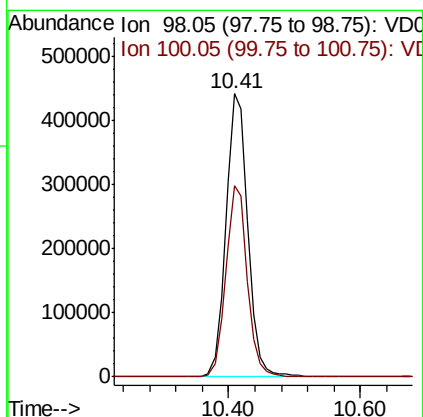
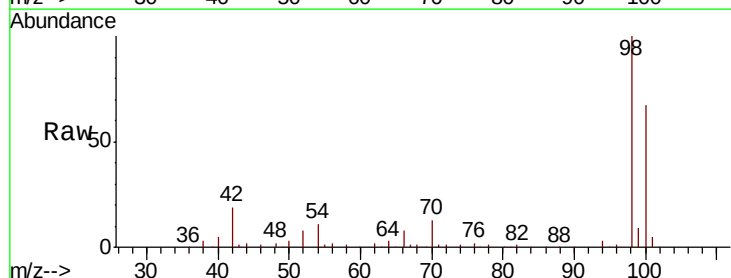
Instrument :
MSVOA_D
ClientSampleId :

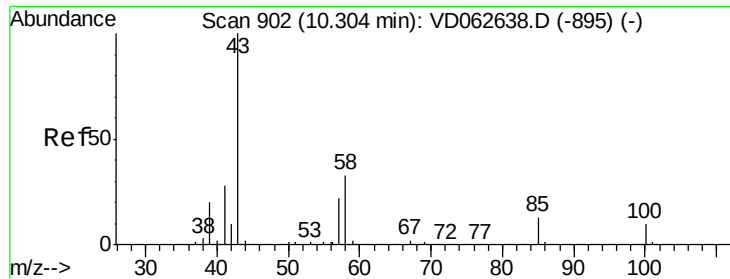
Tot Ion:117 Resp: 82187
Ion Ratio Lower Upper
117 100
119 5.7 73.5 110.3#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 41.392 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD062751.D
Acq: 18 Jun 2019 15:58

Tgt Ion: 98 Resp: 1025323
Ion Ratio Lower Upper
98 100
100 67.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.291 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.10 min

Lab File: VD062751.D

Acq: 18 Jun 2019 15:58

Instrument :

MSVOA_D

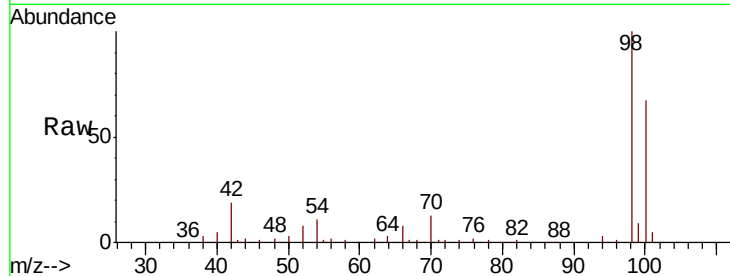
ClientSampleId :

Tot Ion: 43 Resp: 6093

Ion Ratio Lower Upper

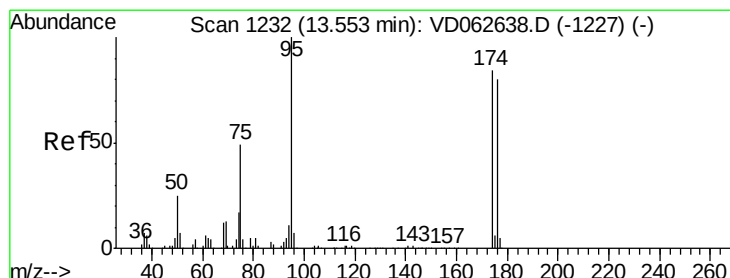
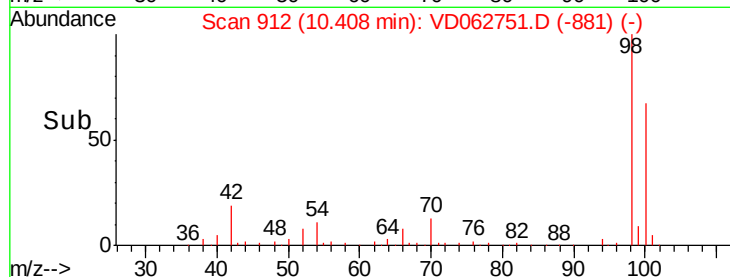
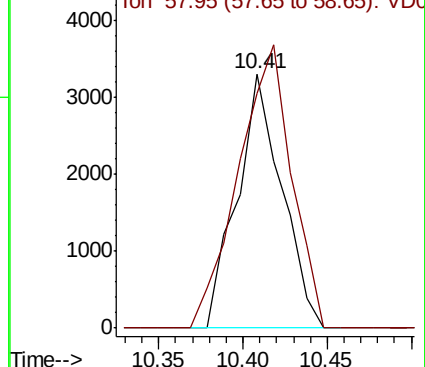
43 100

58 92.3 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 41.765 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD062751.D

Acq: 18 Jun 2019 15:58

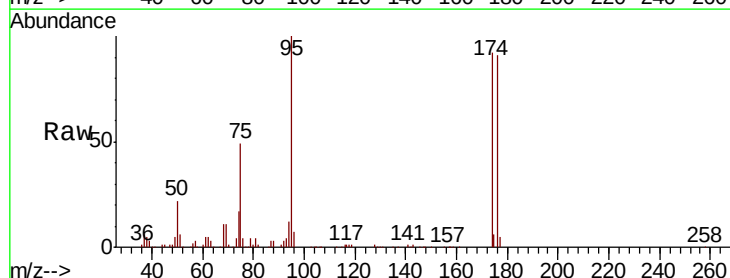
Tgt Ion: 95 Resp: 482659

Ion Ratio Lower Upper

95 100

174 91.8 0.0 167.0

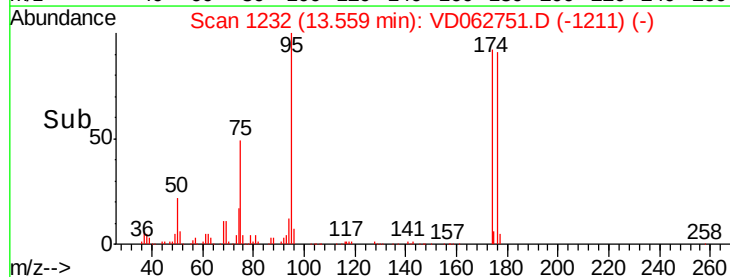
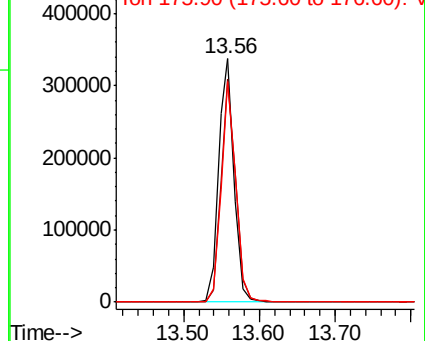
176 90.7 0.0 159.2

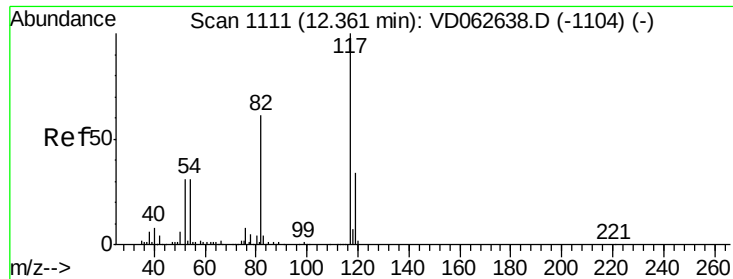


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

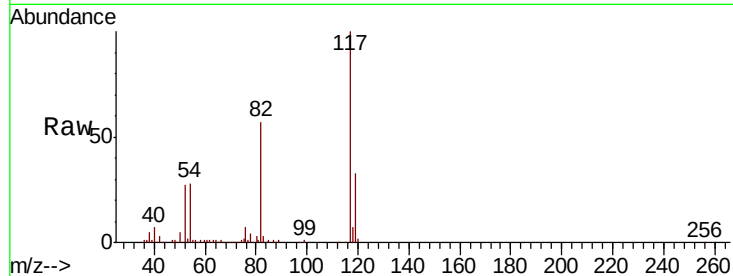




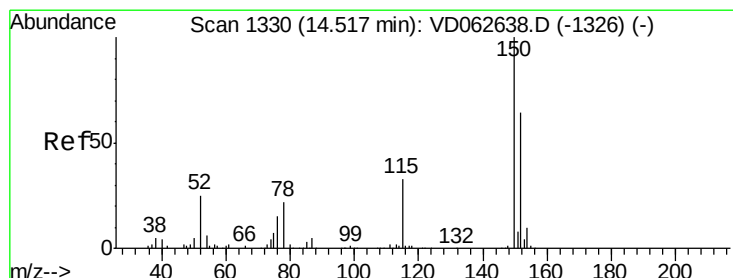
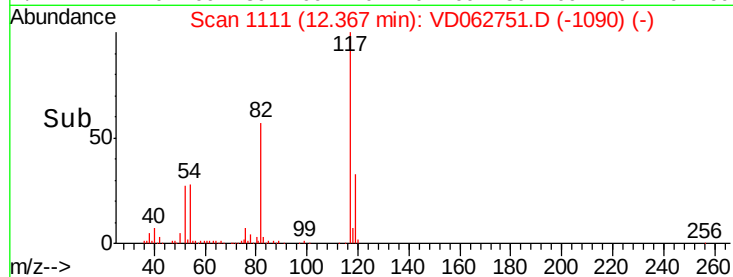
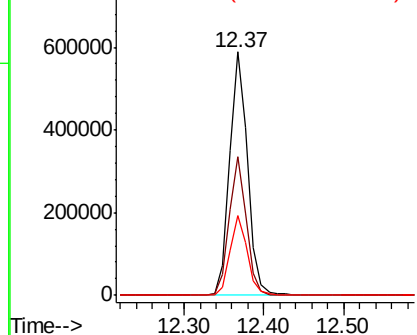
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062751.D
Acq: 18 Jun 2019 15:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 936851
Ion Ratio Lower Upper
117 100
82 56.8 48.7 73.1
119 32.7 27.0 40.6

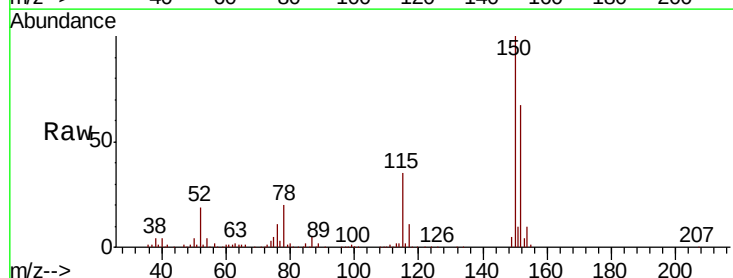


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

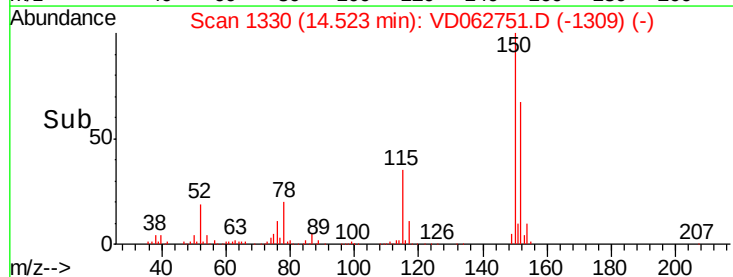
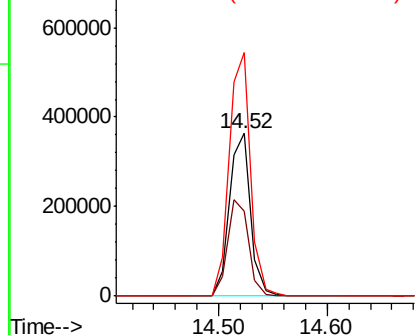


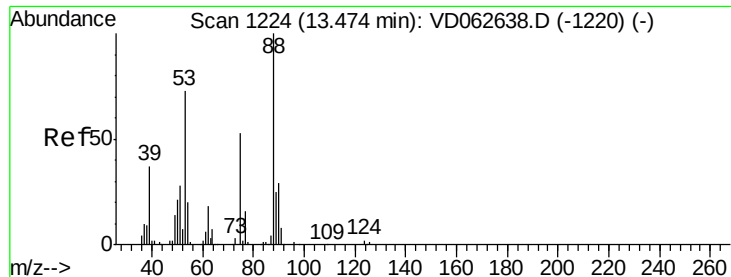
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD062751.D
Acq: 18 Jun 2019 15:58

Tgt Ion:152 Resp: 491473
Ion Ratio Lower Upper
152 100
115 52.1 30.1 90.5
150 149.8 0.0 314.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 112.676 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD062751.D

Acq: 18 Jun 2019 15:58

Instrument :

MSVOA_D

ClientSampled :

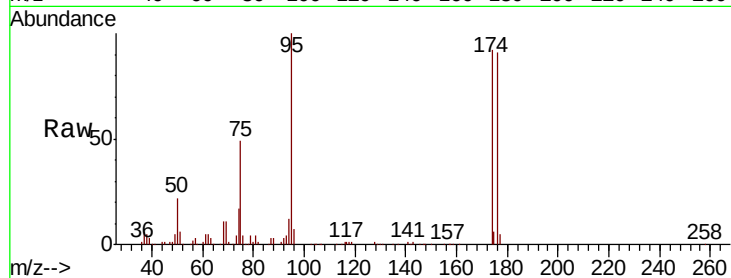
Tot Ion: 75 Resp: 233137

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

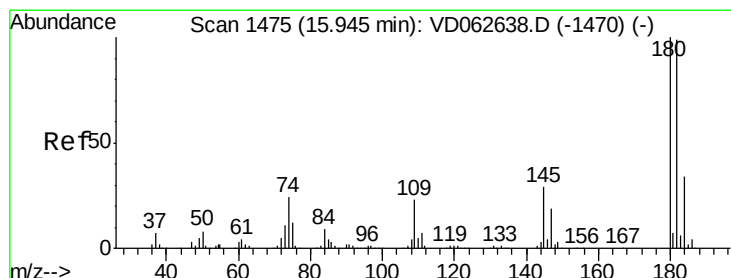
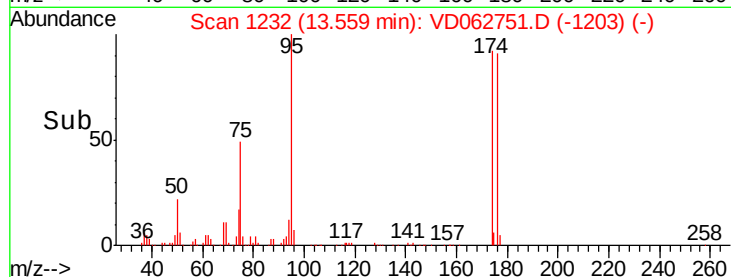
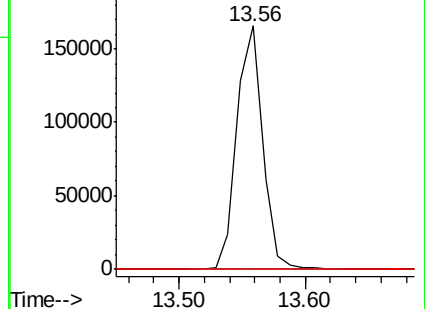
89 0.0 37.0 55.6#



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



#93

1,2,4-Trichlorobenzene

Concen: 3.609 ug/l

RT: 15.94 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VD062751.D

Acq: 18 Jun 2019 15:58

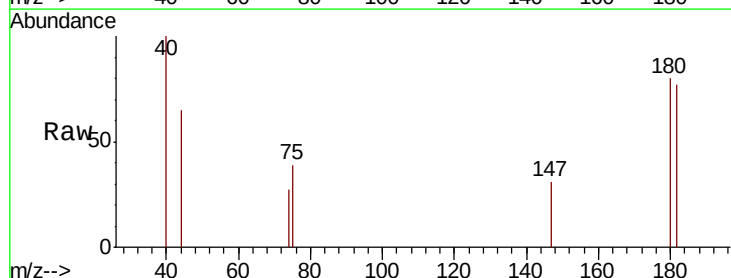
Tgt Ion:180 Resp: 553

Ion Ratio Lower Upper

180 100

182 96.2 49.4 148.2

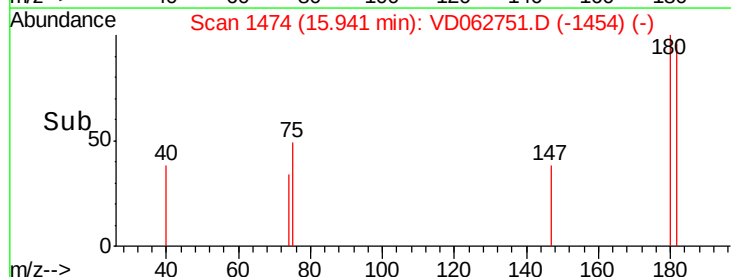
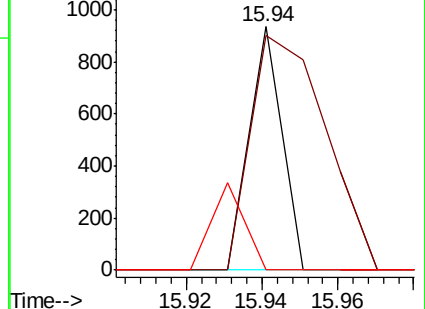
145 0.0 14.5 43.6#

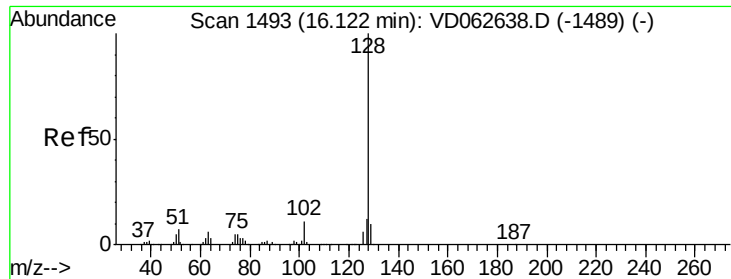


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95

Naphthalene

Concen: 10.661 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD062751.D

Acq: 18 Jun 2019 15:58

Instrument :

MSVOA_D

ClientSampleId :

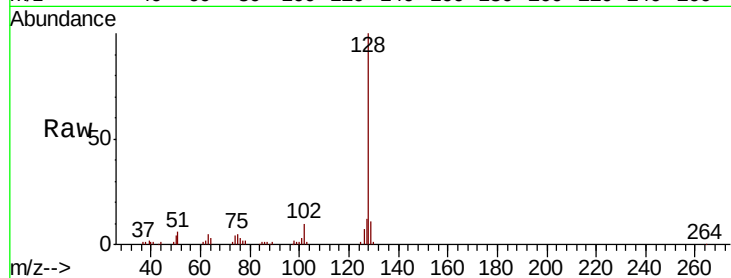
Tot Ion:128 Resp: 138141

Ion Ratio Lower Upper

128 100

127 12.1 9.7 14.5

129 10.9 8.1 12.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

