

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
 Data File : VD062704.D
 Acq On : 14 Jun 2019 11:58
 Operator : VA/AP
 Sample : VD0614SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBL01

Quant Time: Jun 15 04:35:29 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	7.05	168	766933	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1060650	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	819221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	480207	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	564097	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
35) Dibromofluoromethane	6.94	113	576976	51.58	ug/l	0.02
Spiked Amount			Recovery	=	103.16%	
50) Toluene-d8	10.41	98	1203062	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	13.56	95	562789	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	

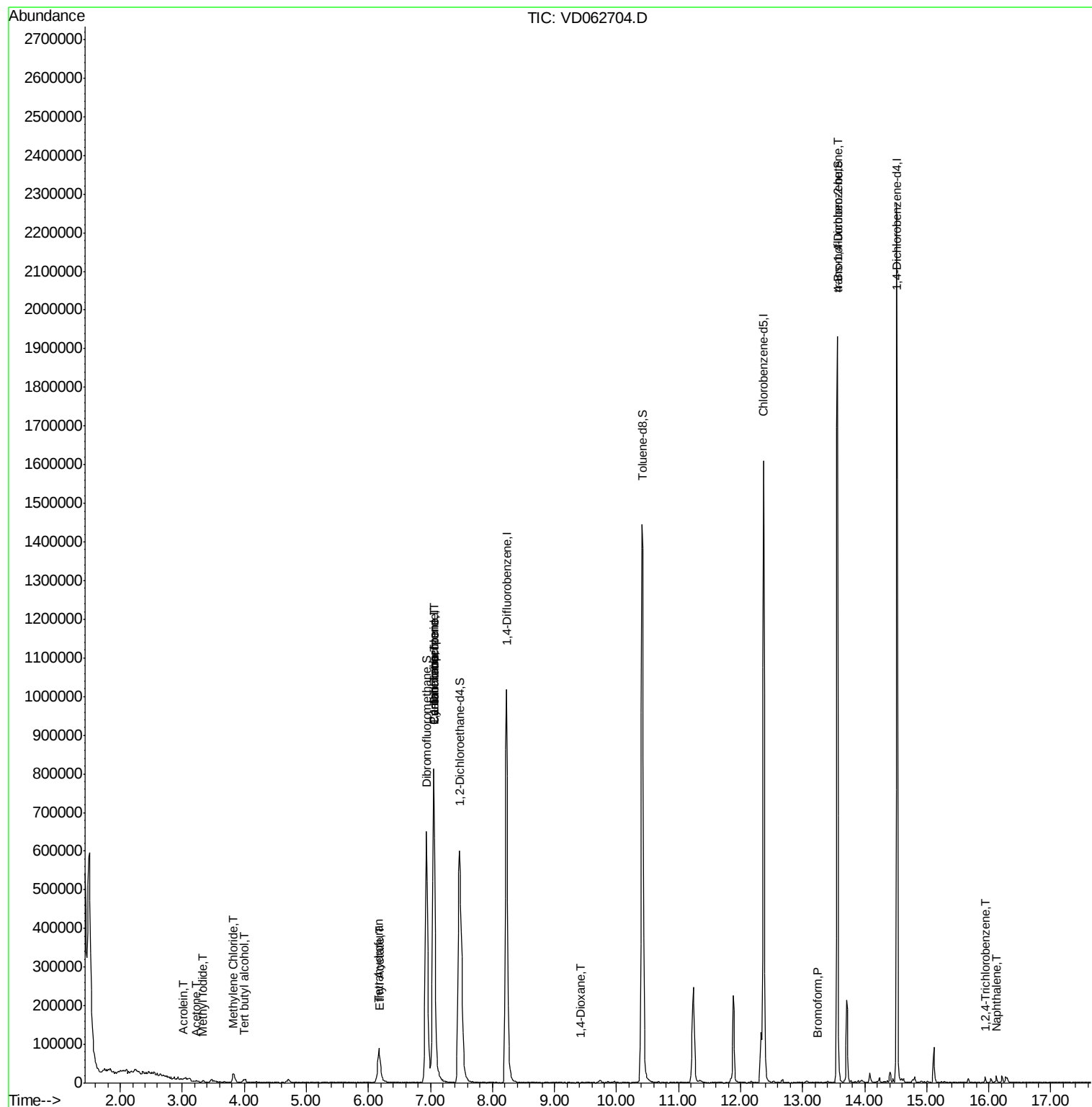
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	2554	Below Cal		95
10) Methyl Iodide	3.33	142	2444	4.173	ug/l #	63
11) Tert butyl alcohol	4.00	59	6774	14.891	ug/l #	61
13) Acrolein	3.01	56	236	1.613	ug/l #	12
16) Acetone	3.24	43	4833	2.385	ug/l #	79
20) Methylene Chloride	3.82	84	14378	1.449	ug/l	96
29) Tetrahydrofuran	6.18	42	2421	2.719	ug/l #	33
31) Cyclohexane	7.05	56	19588	2.243	ug/l #	21
36) 1,1-Dichloropropene	7.05	75	62252	5.128	ug/l #	52
37) Ethyl Acetate	6.19	43	8590	2.821	ug/l #	14
38) Carbon Tetrachloride	7.05	117	81846	4.266	ug/l #	16
49) 1,4-Dioxane	9.44	88	183	51.477	ug/l #	21
71) Bromoform	13.24	173	619	2.919	ug/l #	83
81) trans-1,4-Dichloro-2-buten	13.55	75	275340	135.383	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	5135	3.954	ug/l	73
95) Naphthalene	16.12	128	10620	4.017	ug/l #	78

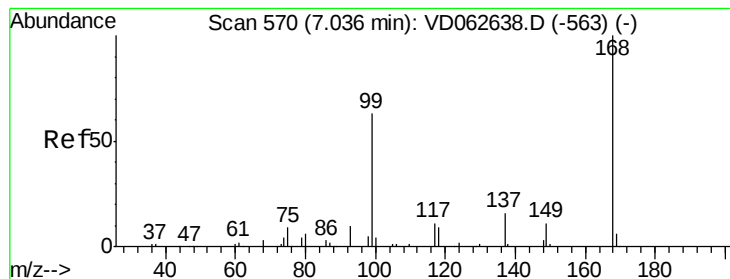
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061419\
Data File : VD062704.D
Acq On : 14 Jun 2019 11:58
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Sample : VD0614SBL01
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Quant Time: Jun 15 04:35:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
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: 7.05 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD062704.D

Acq: 14 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

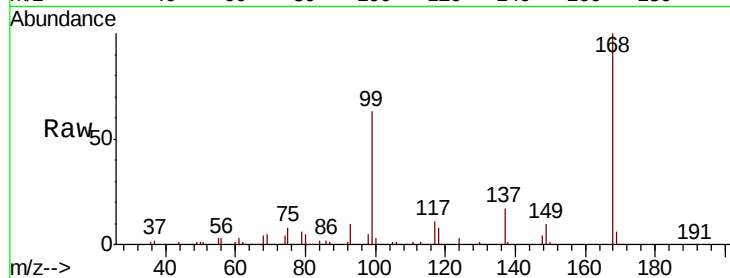
VD0614SBL01

Tot Ion:168 Resp: 766933

Ion Ratio Lower Upper

168 100

99 63.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

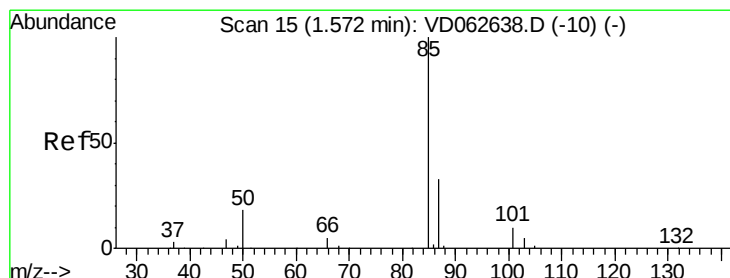
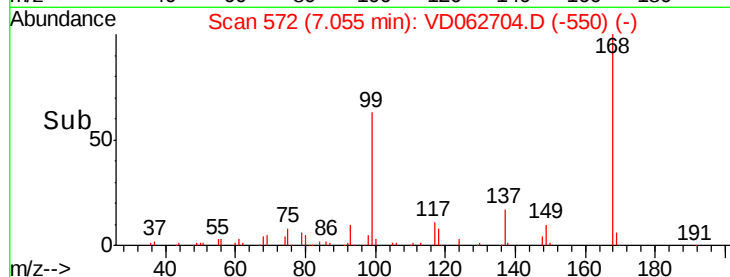
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062704.D

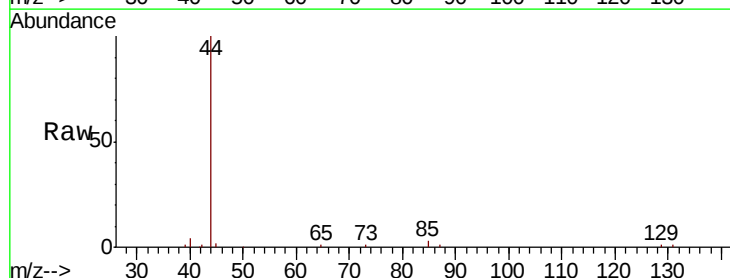
Acq: 14 Jun 2019 11:58

Tgt Ion: 85 Resp: 2554

Ion Ratio Lower Upper

85 100

87 30.0 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

2000

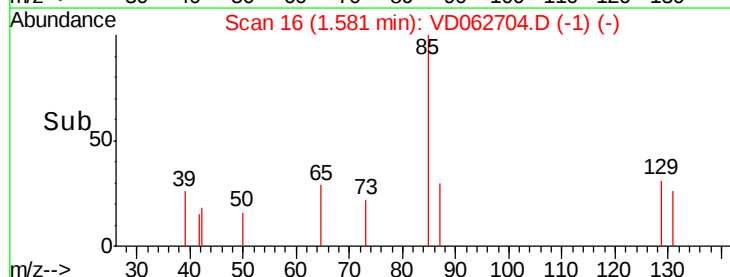
1500

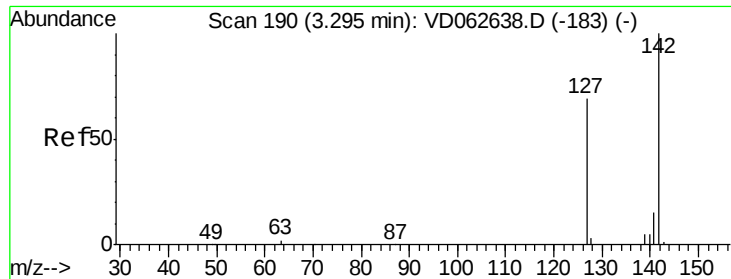
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500

0

Time-->

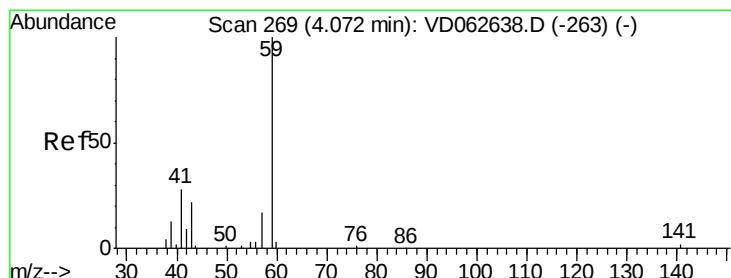
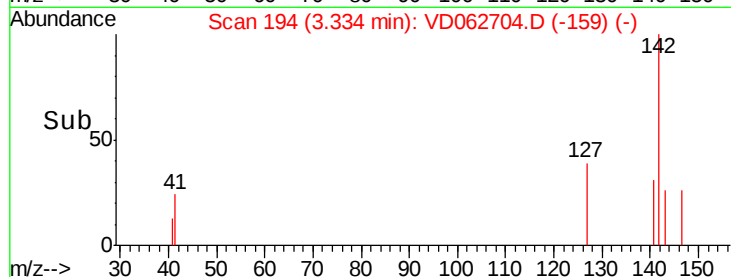
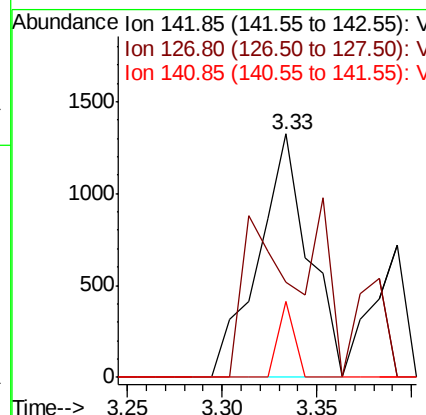
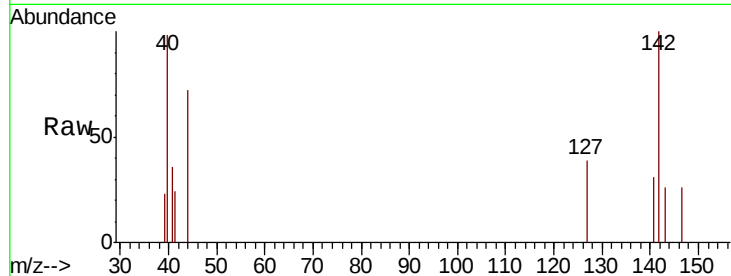




#10
Methyl Iodide
Concen: 4.173 ug/l
RT: 3.33 min Scan# 194
Delta R.T. 0.04 min
Lab File: VD062704.D
Acq: 14 Jun 2019 11:58

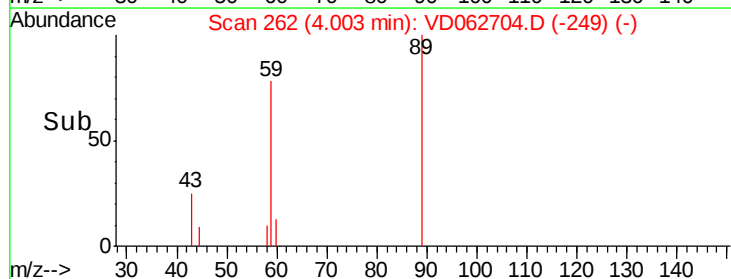
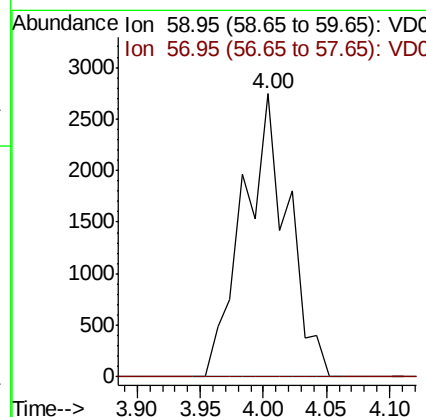
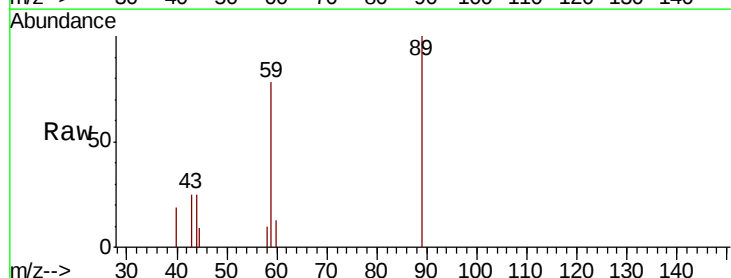
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBL01

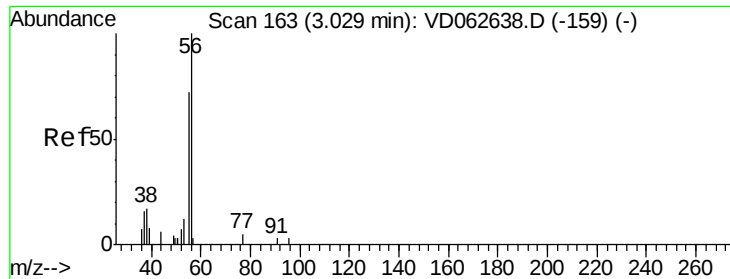
Tot Ion:142 Resp: 2444
Ion Ratio Lower Upper
142 100
127 39.0 55.2 82.8#
141 30.9 12.1 18.1#



#11
Tert butyl alcohol
Concen: 14.891 ug/l
RT: 4.00 min Scan# 262
Delta R.T. -0.07 min
Lab File: VD062704.D
Acq: 14 Jun 2019 11:58

Tgt Ion: 59 Resp: 6774
Ion Ratio Lower Upper
59 100
57 0.0 13.7 20.5#





#13

Acrolein

Concen: 1.613 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.02 min

Lab File: VD062704.D

Acq: 14 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

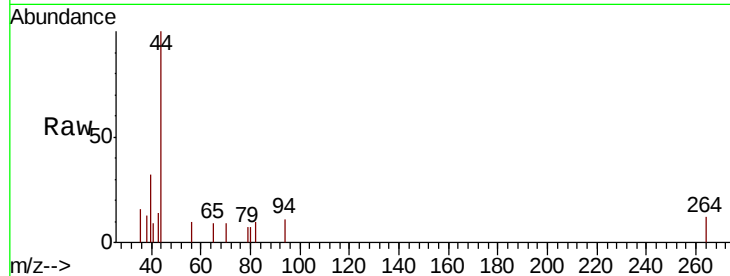
VD0614SBL01

Tot Ion: 56 Resp: 236

Ion Ratio Lower Upper

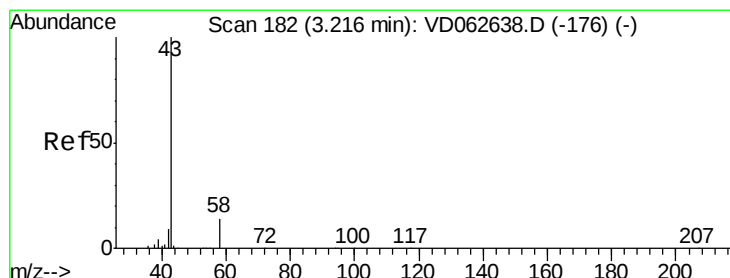
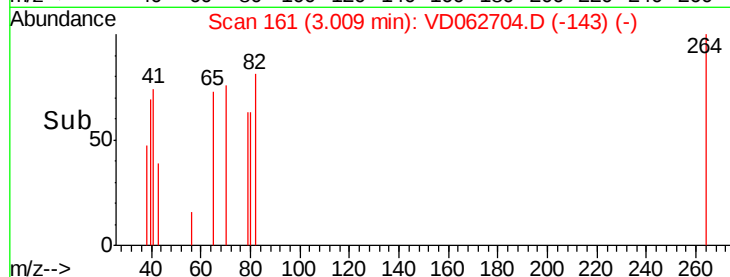
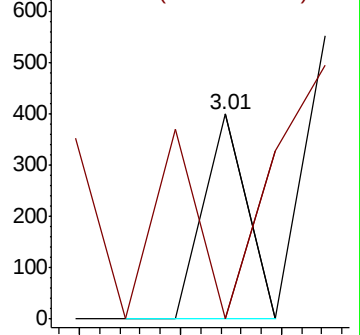
56 100

55 0.0 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 2.385 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD062704.D

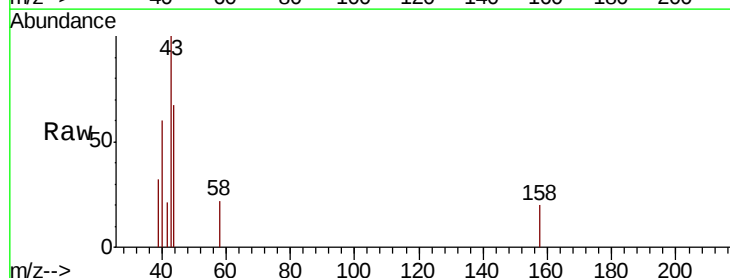
Acq: 14 Jun 2019 11:58

Tgt Ion: 43 Resp: 4833

Ion Ratio Lower Upper

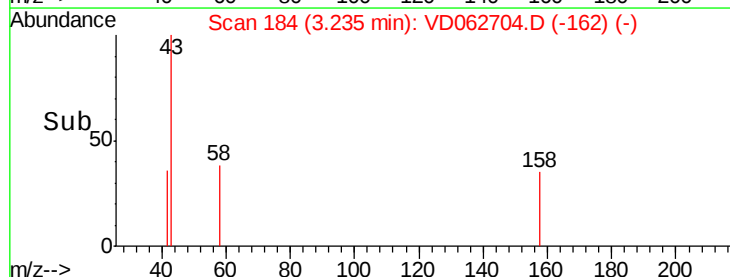
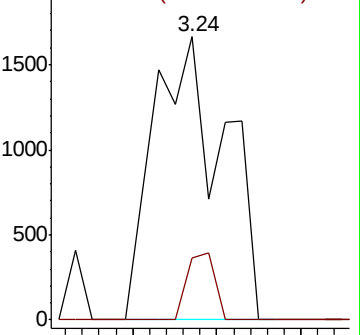
43 100

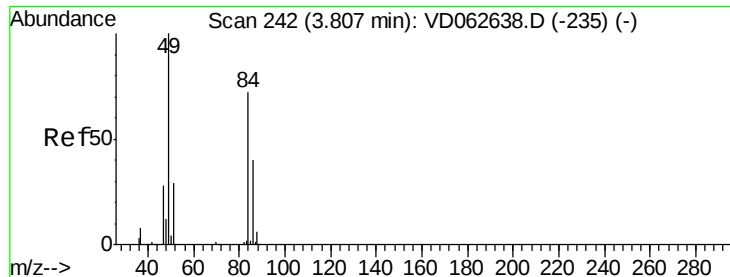
58 22.0 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

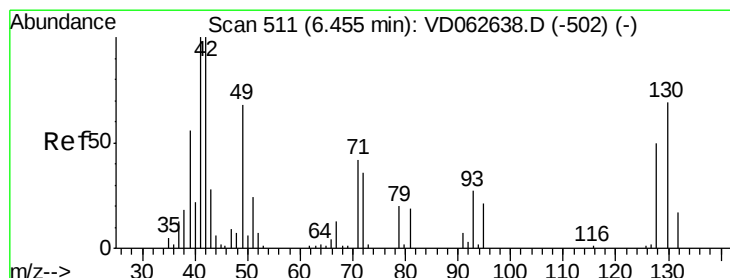
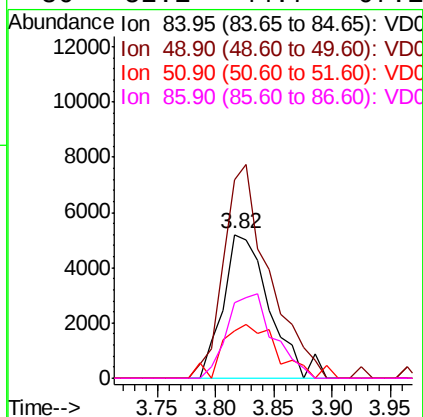
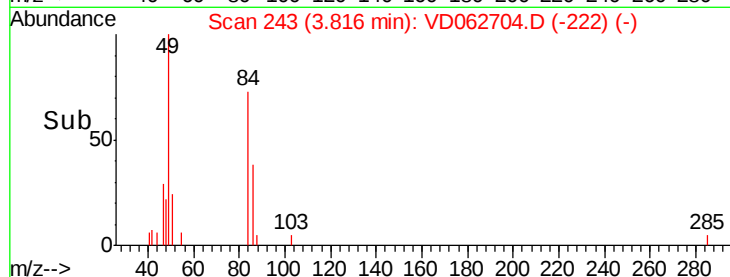
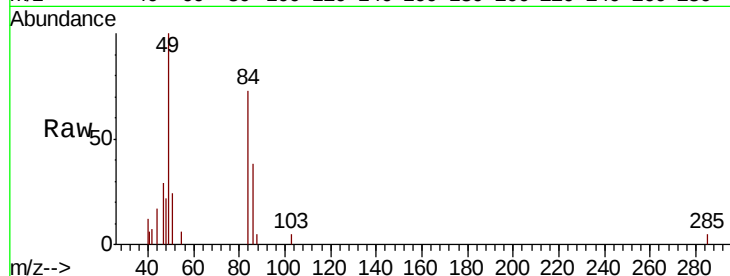




#20
Methvlene Chloride
Concen: 1.449 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD062704.D
Acq: 14 Jun 2019 11:58

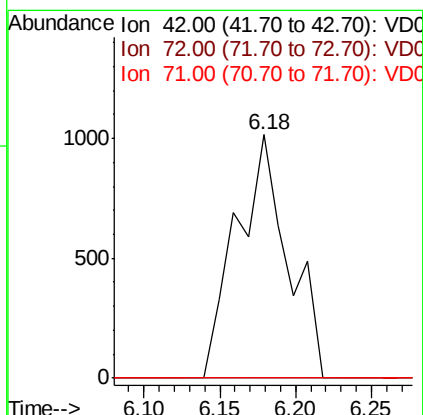
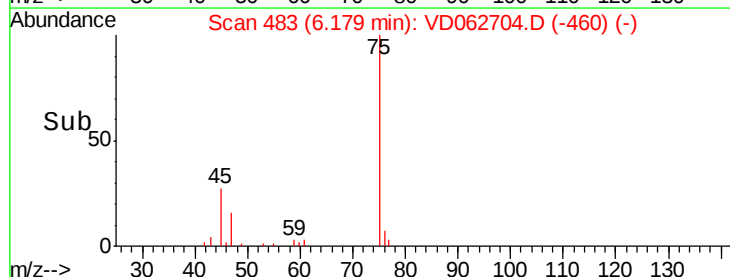
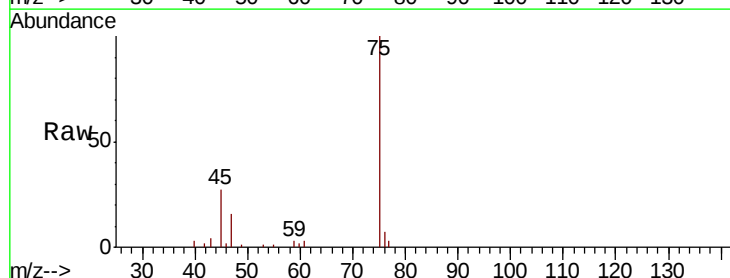
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBL01

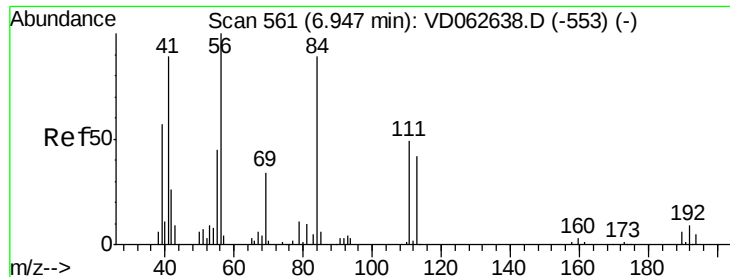
Tot Ion: 84 Resp: 14378
Ion Ratio Lower Upper
84 100
49 137.5 111.2 166.8
51 33.3 31.9 47.9
86 52.1 44.7 67.1



#29
Tetrahydrofuran
Concen: 2.719 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.28 min
Lab File: VD062704.D
Acq: 14 Jun 2019 11:58

Tgt Ion: 42 Resp: 2421
Ion Ratio Lower Upper
42 100
72 0.0 33.8 50.6#
71 0.0 34.2 51.4#

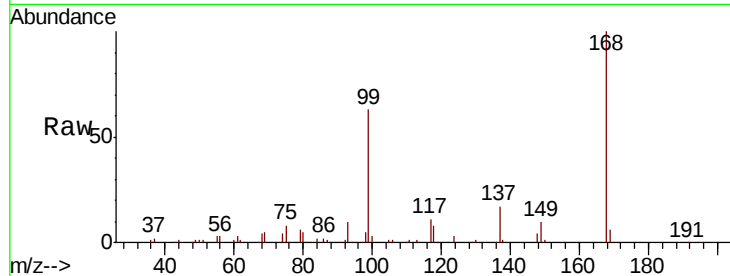




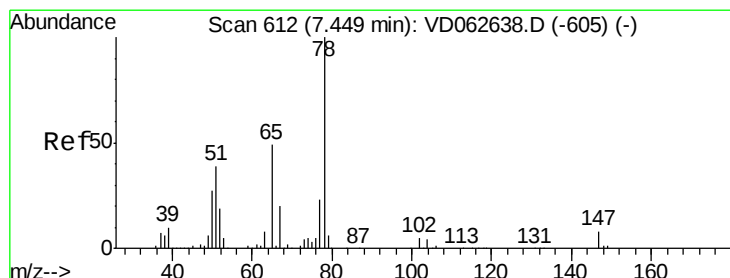
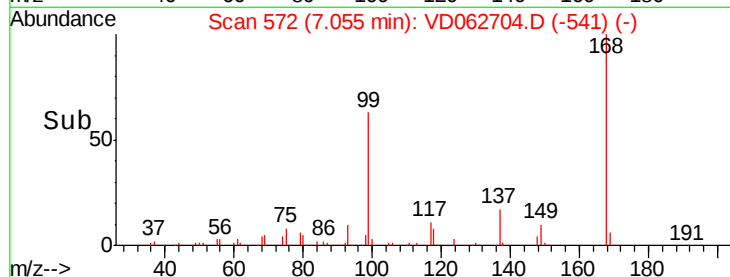
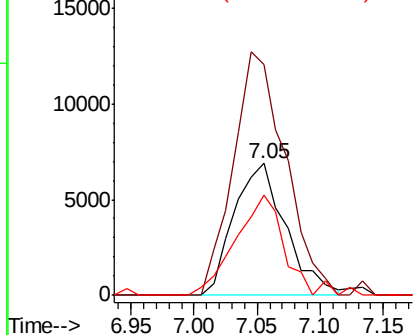
#31
Cyclohexane
Concen: 2.243 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.11 min
Lab File: VD062704.D
Acq: 14 Jun 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBL01

Tot Ion: 56 Resp: 19588
Ion Ratio Lower Upper
56 100
69 175.4 26.8 40.2#
84 76.0 73.9 110.9

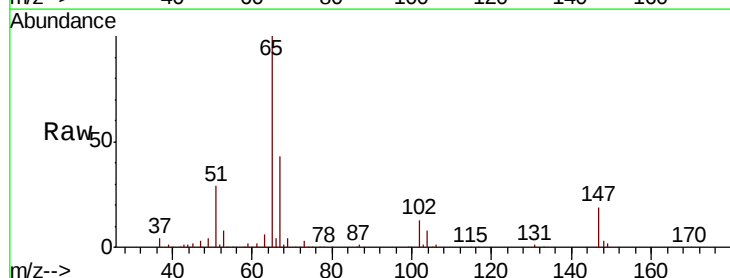


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

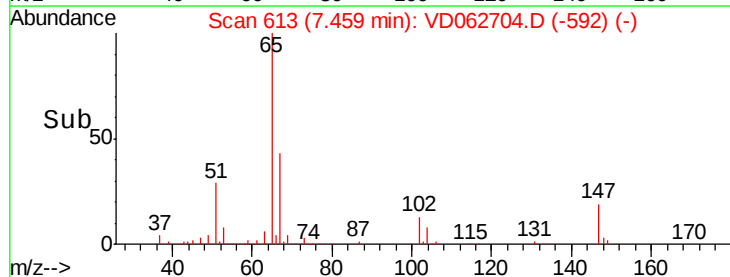
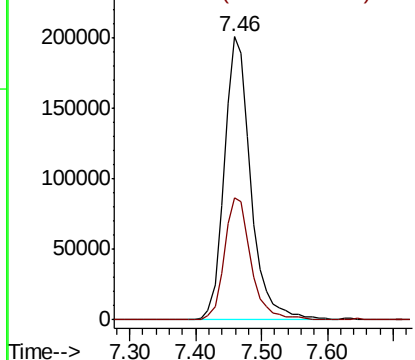


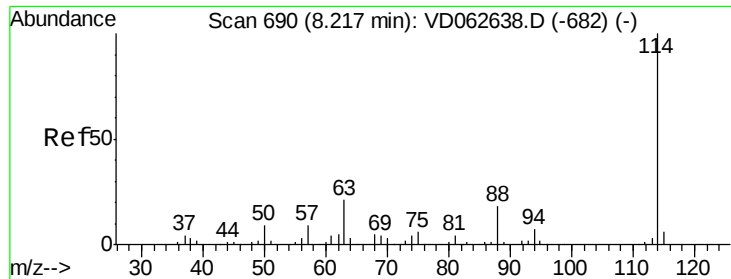
#33
1,2-Dichloroethane-d4
Concen: 50.972 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD062704.D
Acq: 14 Jun 2019 11:58

Tgt Ion: 65 Resp: 564097
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

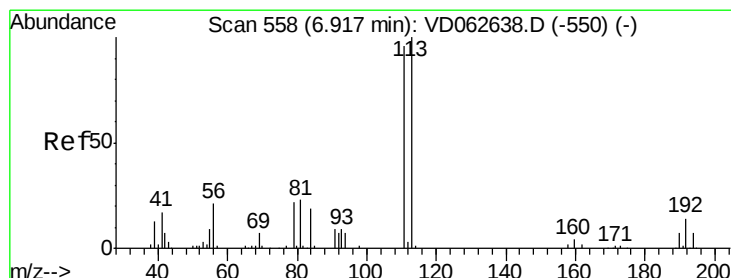
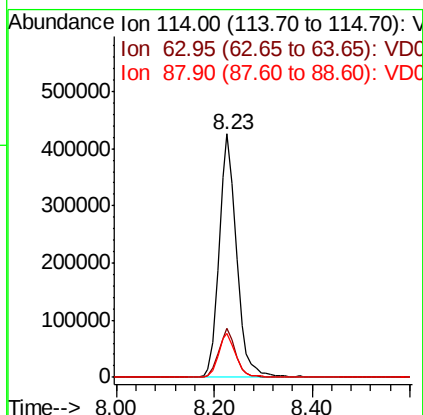
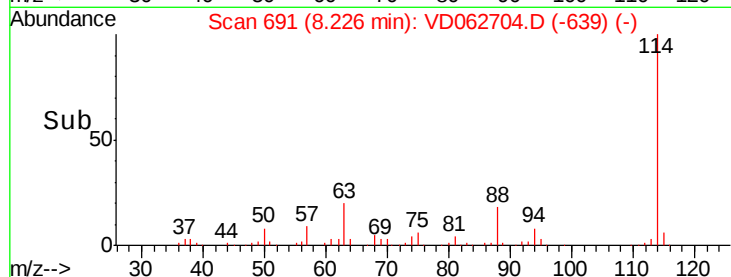
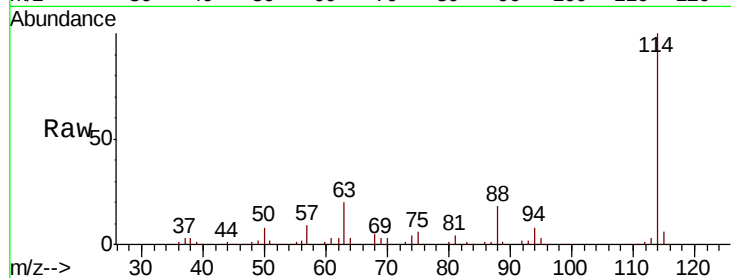




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062704.D
 Acq: 14 Jun 2019 11:58

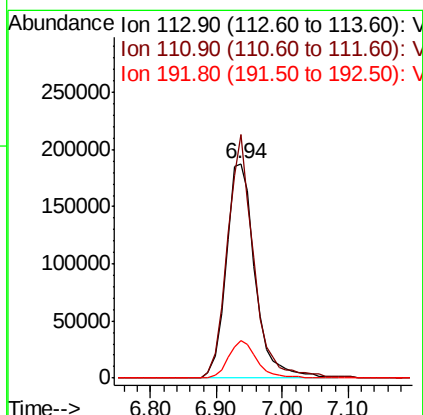
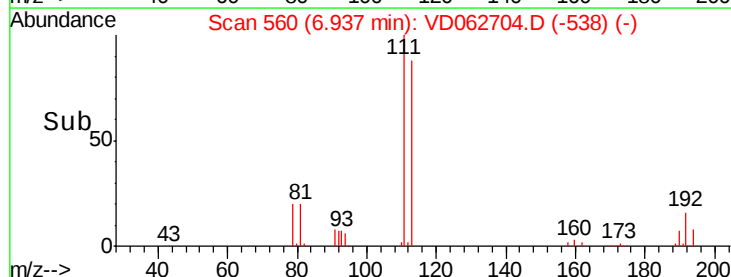
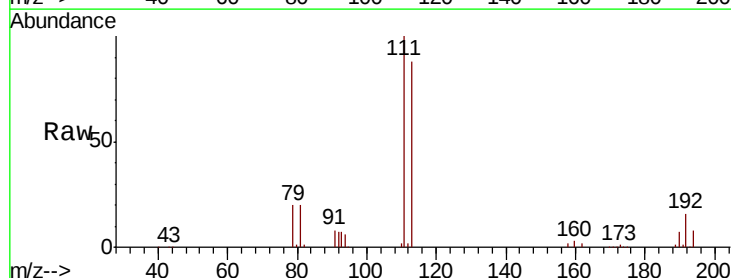
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 VD0614SBL01

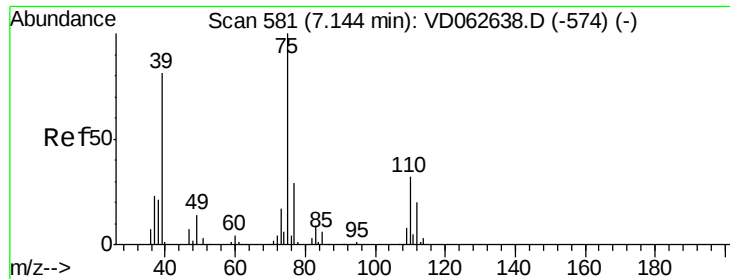
Tot Ion:114 Resp: 1060650
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.4
 88 18.2 0.0 36.8



#35
 Dibromofluoromethane
 Concen: 51.580 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD062704.D
 Acq: 14 Jun 2019 11:58

Tgt Ion:113 Resp: 576976
 Ion Ratio Lower Upper
 113 100
 111 113.6 76.4 114.6
 192 17.8 11.4 17.0#





#36

1,1-Dichloropropene

Concen: 5.128 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062704.D

Acq: 14 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBL01

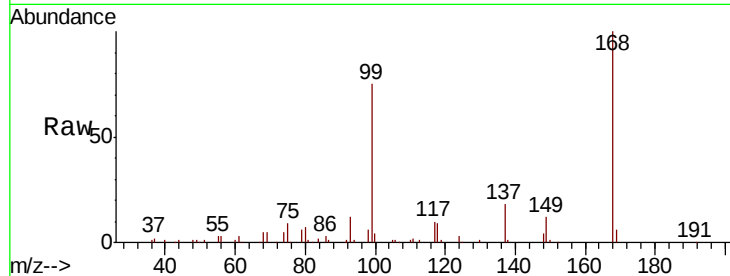
Tot Ion: 75 Resp: 62252

Ion Ratio Lower Upper

75 100

110 8.7 15.9 47.7#

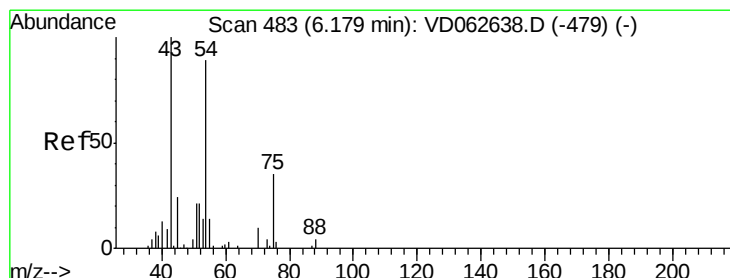
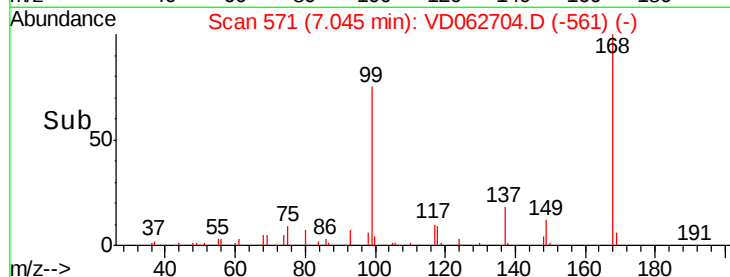
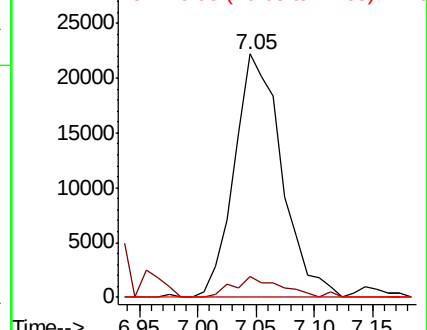
77 0.0 23.3 34.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 2.821 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.01 min

Lab File: VD062704.D

Acq: 14 Jun 2019 11:58

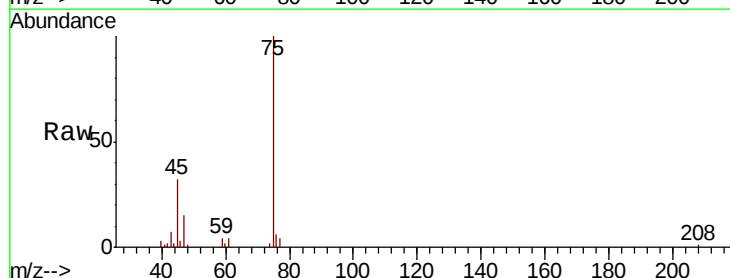
Tgt Ion: 43 Resp: 8590

Ion Ratio Lower Upper

43 100

61 61.4 8.7 13.1#

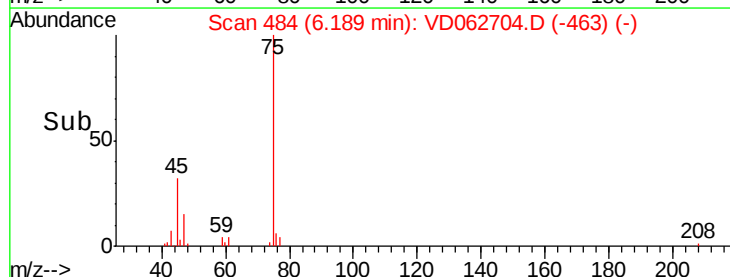
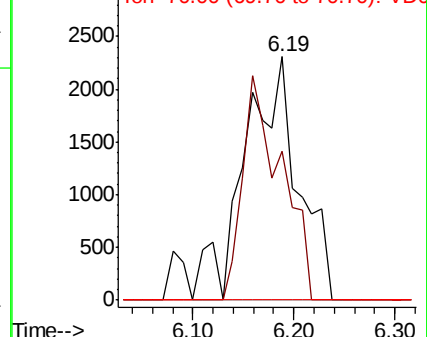
70 0.0 6.5 9.7#

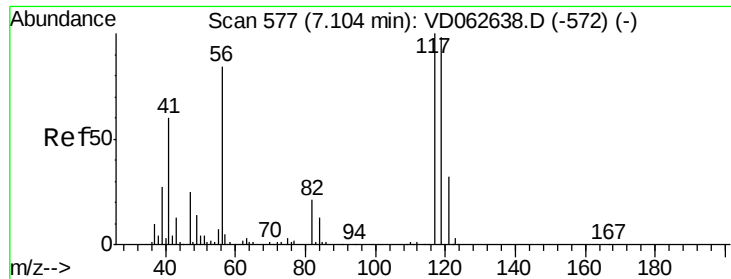


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

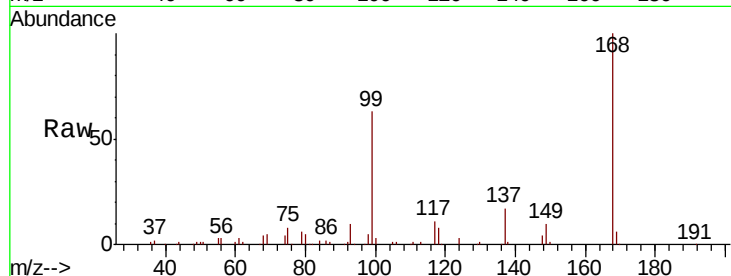




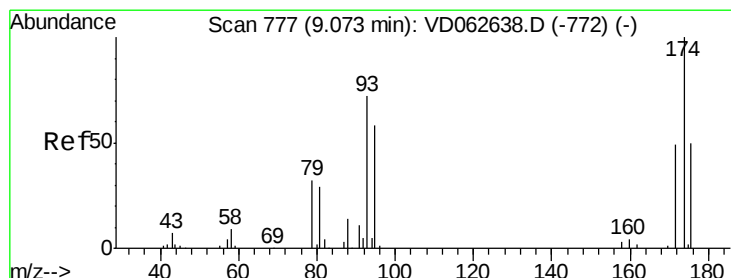
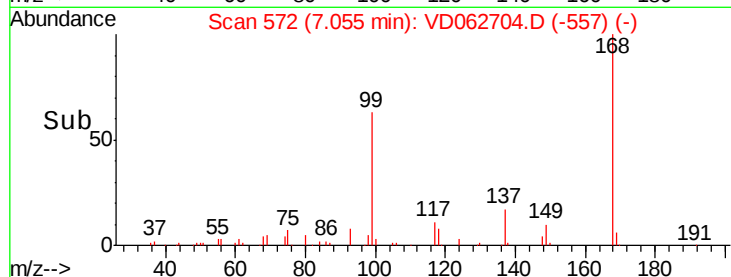
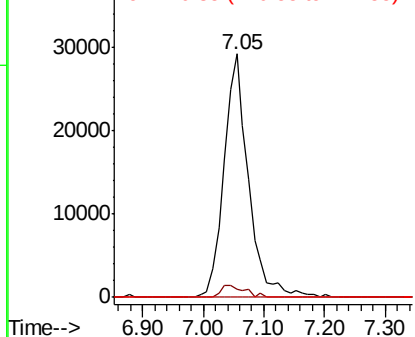
#38
Carbon Tetrachloride
Concen: 4.266 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.05 min
Lab File: VD062704.D
Acq: 14 Jun 2019 11:58

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBL01

Tot Ion:117 Resp: 81846
Ion Ratio Lower Upper
117 100
119 3.2 73.5 110.3#
121 0.0 24.2 36.4#

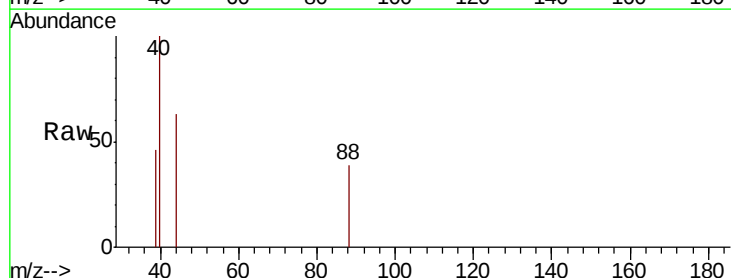


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

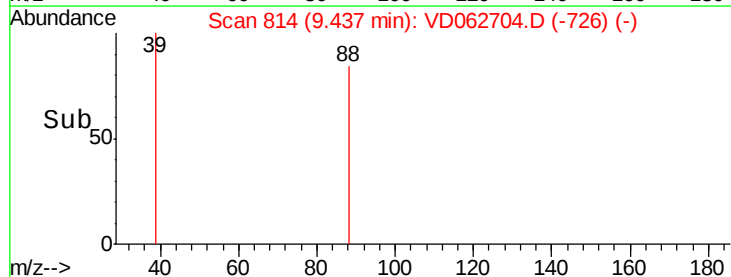
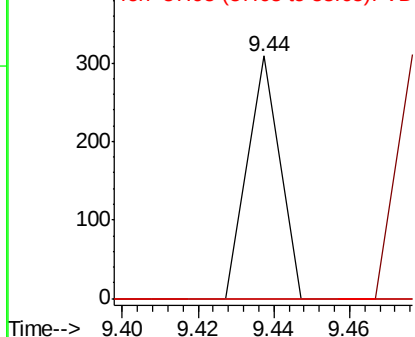


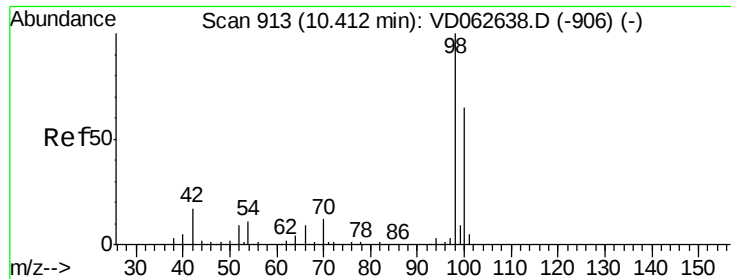
#49
1,4-Dioxane
Concen: 51.477 ug/l
RT: 9.44 min Scan# 814
Delta R.T. 0.36 min
Lab File: VD062704.D
Acq: 14 Jun 2019 11:58

Tgt Ion: 88 Resp: 183
Ion Ratio Lower Upper
88 100
43 0.0 40.7 61.1#
58 0.0 54.2 81.4#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

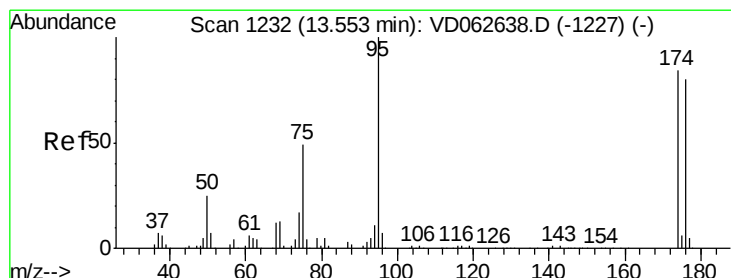
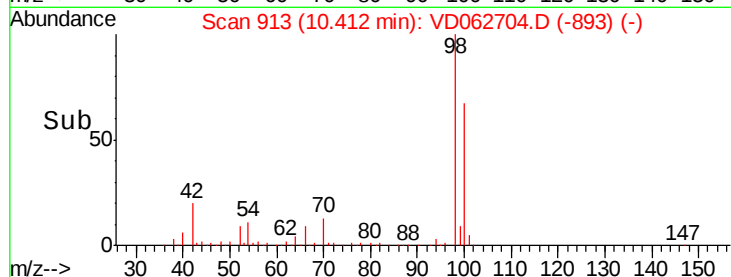
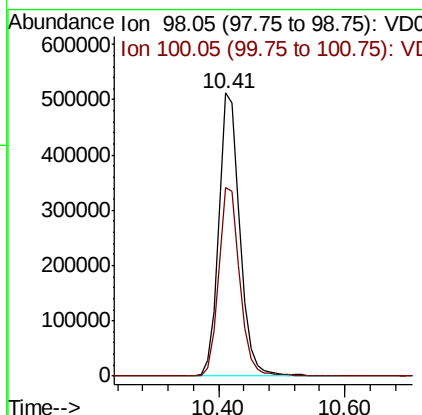
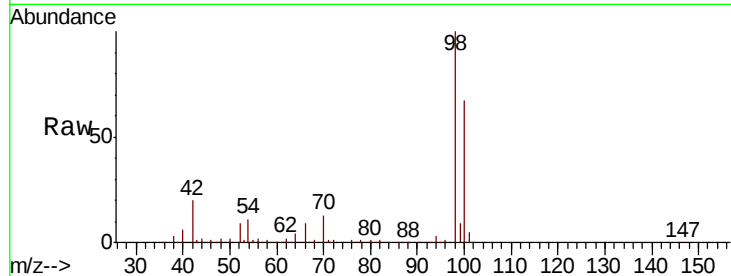




#50
Toluene-d8
Concen: 51.126 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062704.D
Acq: 14 Jun 2019 11:58

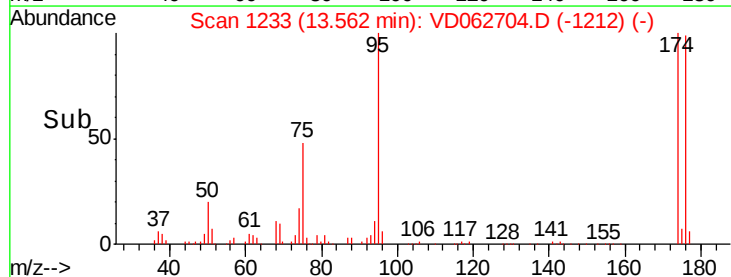
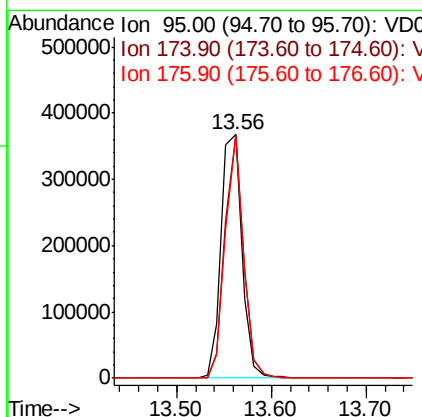
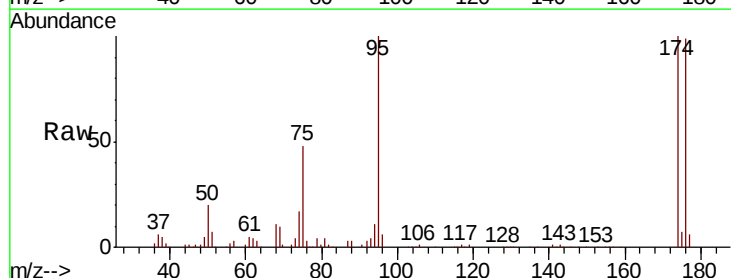
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBL01

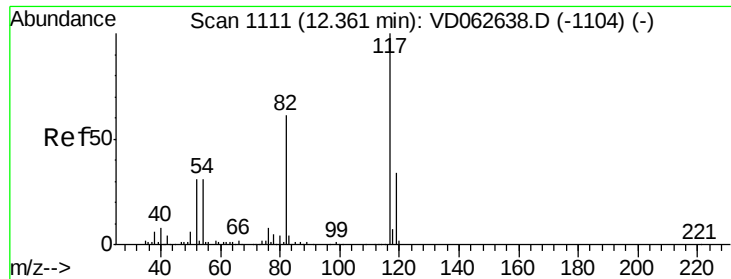
Tot Ion: 98 Resp: 1203062
Ion Ratio Lower Upper
98 100
100 66.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 51.264 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062704.D
Acq: 14 Jun 2019 11:58

Tgt Ion: 95 Resp: 562789
Ion Ratio Lower Upper
95 100
174 99.8 0.0 167.0
176 99.5 0.0 159.2

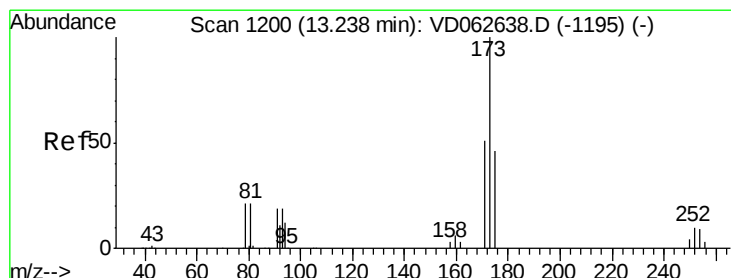
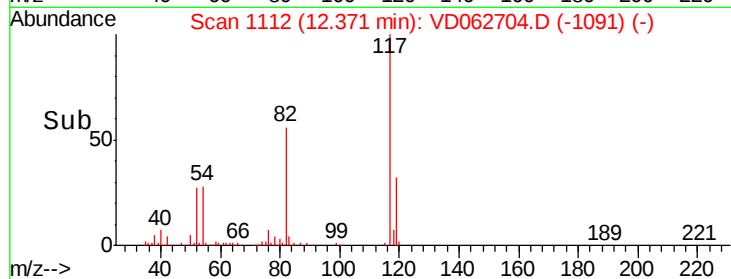
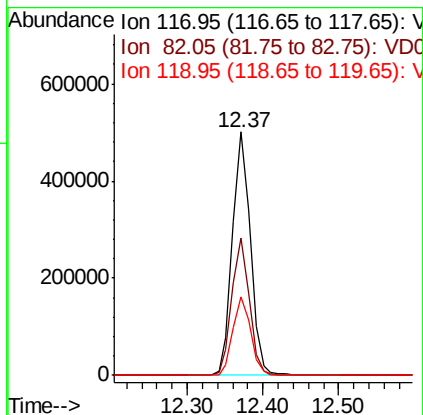
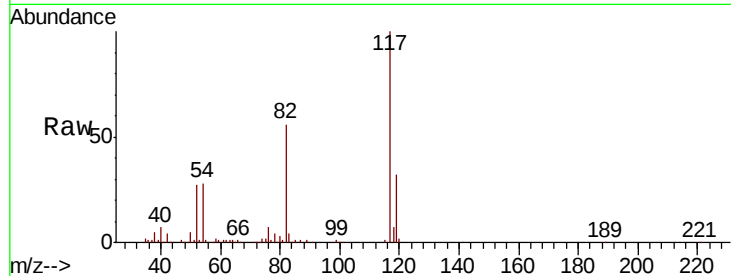




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062704.D
Acq: 14 Jun 2019 11:58

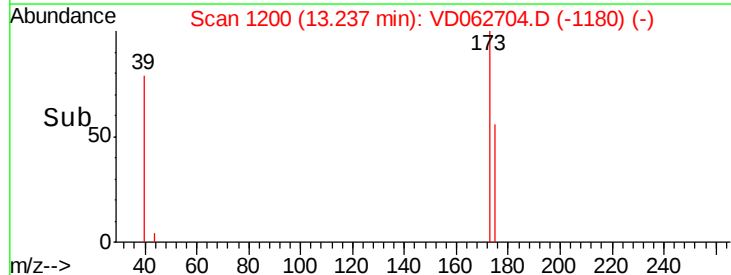
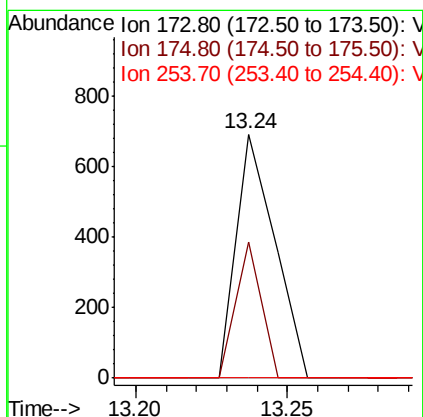
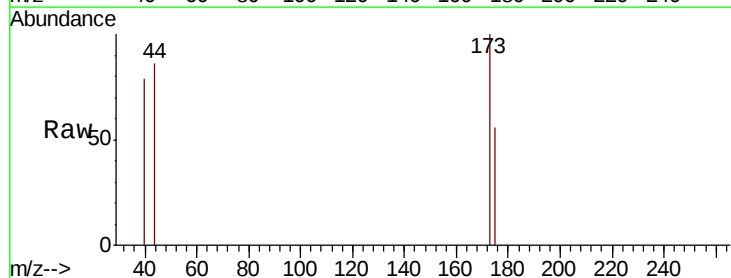
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBL01

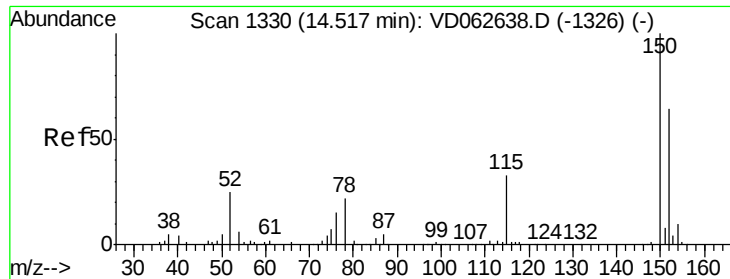
Tot Ion:117 Resp: 819221
Ion Ratio Lower Upper
117 100
82 56.2 48.7 73.1
119 32.3 27.0 40.6



#71
Bromoform
Concen: 2.919 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD062704.D
Acq: 14 Jun 2019 11:58

Tgt Ion:173 Resp: 619
Ion Ratio Lower Upper
173 100
175 56.0 22.9 68.7
254 0.0 7.0 10.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062704.D

Acq: 14 Jun 2019 11:58

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBL01

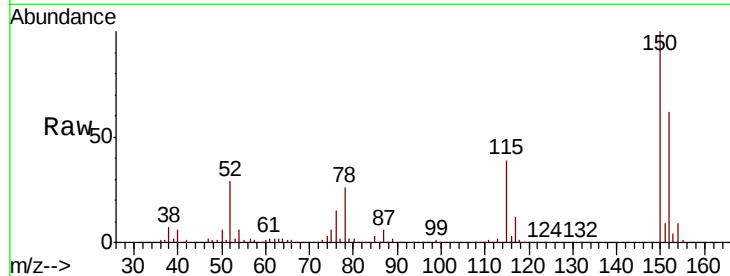
Tot Ion:152 Resp: 480207

Ion Ratio Lower Upper

152 100

115 62.4 30.1 90.5

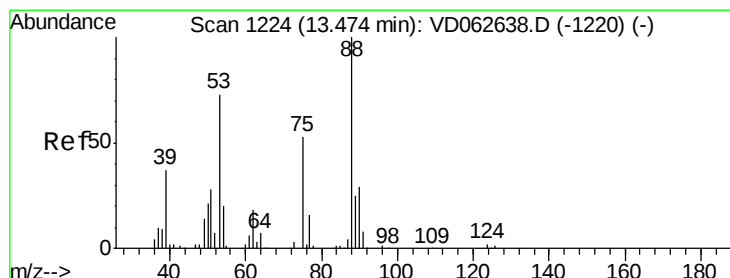
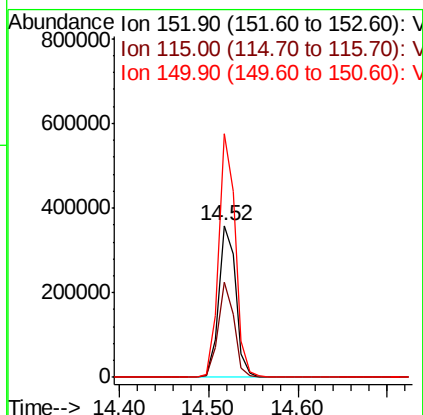
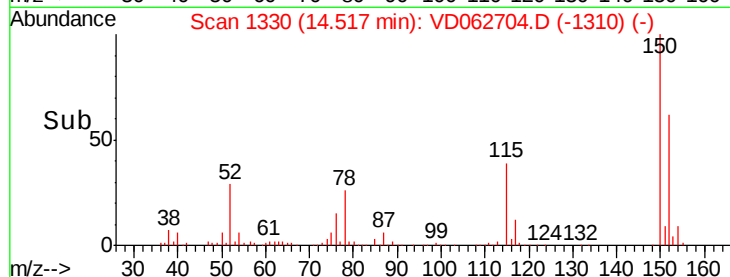
150 160.3 0.0 314.0



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: 135.383 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062704.D

Acq: 14 Jun 2019 11:58

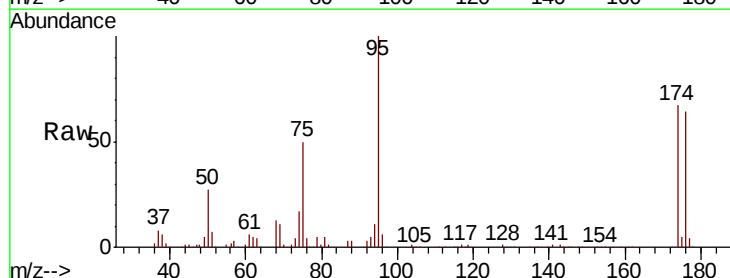
Tgt Ion: 75 Resp: 275340

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

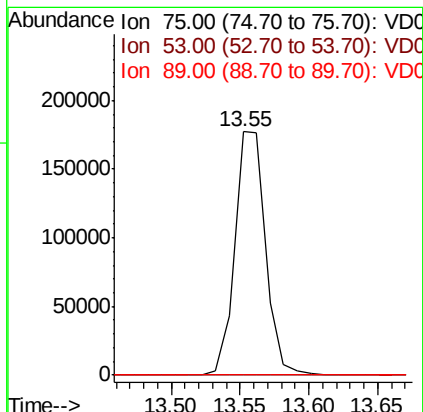
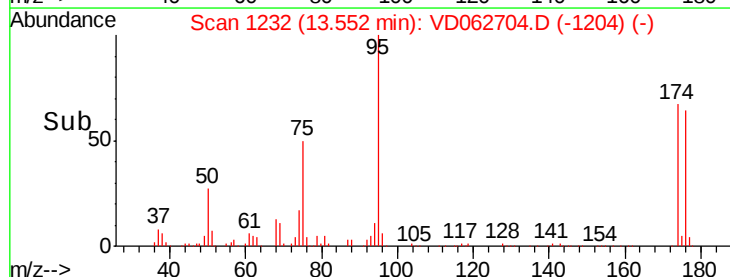
89 0.0 37.0 55.6#

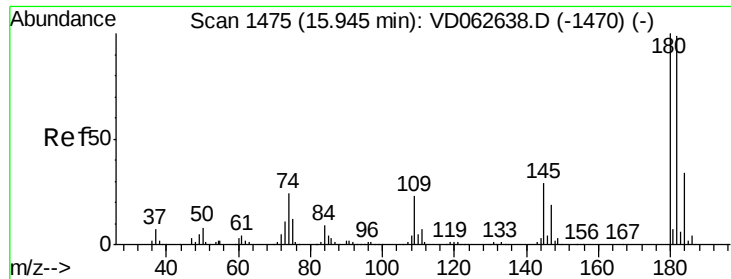


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

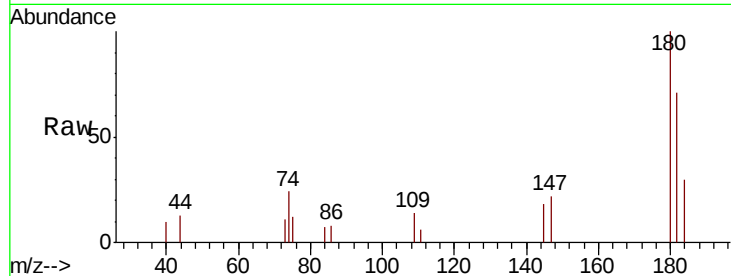




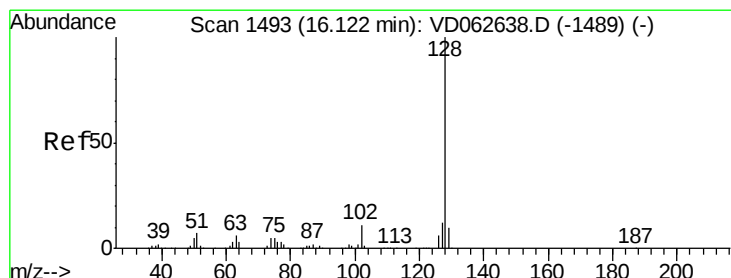
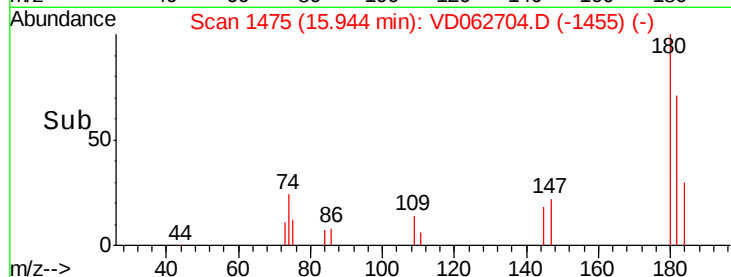
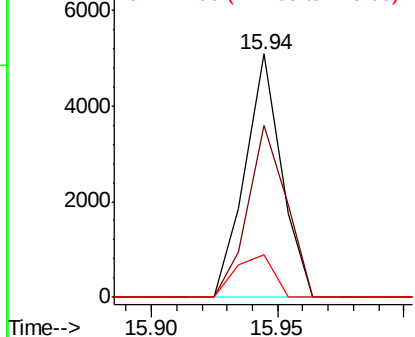
#93
 1,2,4-Trichlorobenzene
 Concen: 3.954 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062704.D
 Acq: 14 Jun 2019 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBL01

Tot Ion:180 Resp: 5135
 Ion Ratio Lower Upper
 180 100
 182 70.6 49.4 148.2
 145 17.6 14.5 43.6

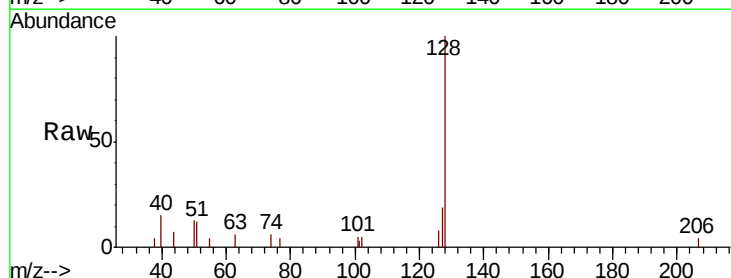


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 4.017 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VD062704.D
 Acq: 14 Jun 2019 11:58

Tgt Ion:128 Resp: 10620
 Ion Ratio Lower Upper
 128 100
 127 18.6 9.7 14.5#
 129 0.0 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

