

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\
 Data File : VD062097.D
 Acq On : 1 May 2019 12:25
 Operator : FY/SY
 Sample : VD0501SBL01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBL01

Quant Time: May 02 00:54:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 08:37:17 2019
 Response via : Initial Calibration

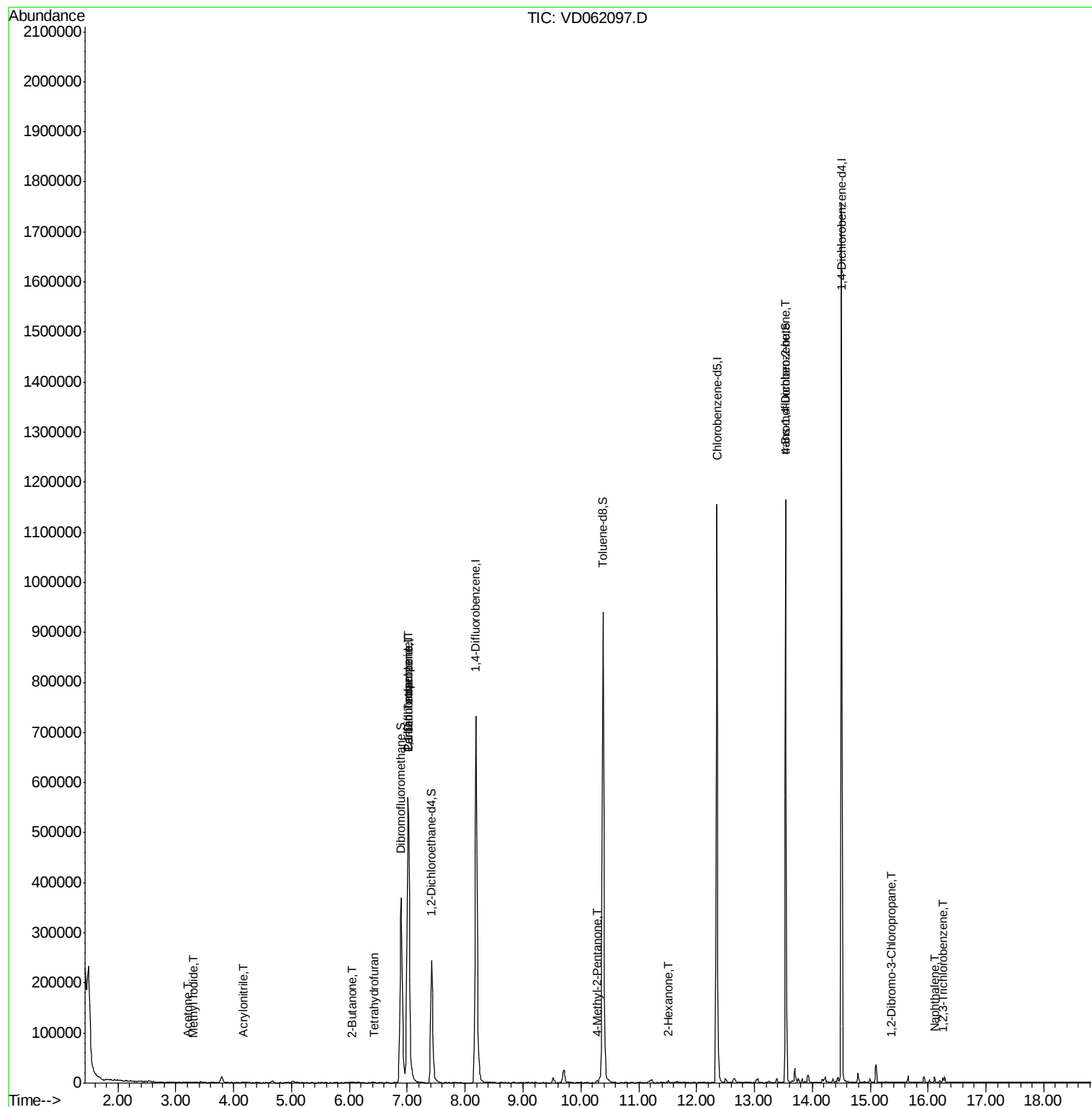
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	591259	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.18	114	890626	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.35	117	714002	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	390678	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	254113	54.91	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	109.82%	
35) Dibromofluoromethane	6.89	113	357365	58.02	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	116.04%	
50) Toluene-d8	10.38	98	808120	55.14	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	110.28%	
62) 4-Bromofluorobenzene	13.54	95	342664	58.29	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	116.58%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	3.30	142	1532	5.587	ug/l #	37
15) Acrylonitrile	4.17	53	2103	2.598	ug/l #	75
16) Acetone	3.19	43	4121	3.730	ug/l #	50
18) Methyl Acetate	3.62	43	1350	Below Cal	#	53
20) Methylene Chloride	3.78	84	9352	Below Cal		95
25) 2-Butanone	6.05	43	2523	1.883	ug/l #	56
29) Tetrahydrofuran	6.43	42	990	1.500	ug/l #	62
36) 1,1-Dichloropropene	7.01	75	45611	6.573	ug/l #	46
38) Carbon Tetrachloride	7.01	117	61415	6.985	ug/l #	16
51) 4-Methyl-2-Pentanone	10.28	43	4954	1.875	ug/l #	79
59) 2-Hexanone	11.51	43	4123	2.080	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.54	75	130491	86.798	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	15.37	75	226	2.921	ug/l	65
95) Naphthalene	16.11	128	9605	1.021	ug/l	96
96) 1,2,3-Trichlorobenzene	16.26	180	3543	1.072	ug/l	96

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050119\
Data File : VD062097.D
Acq On : 1 May 2019 12:25
Operator : FY/SY
Sample : VD0501SBL01
Misc : 5.00µ/5mL/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0501SBL01

Quant Time: May 02 00:54:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Wed May 01 08:37:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.04 min

Lab File: VD062097.D

Acq: 1 May 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

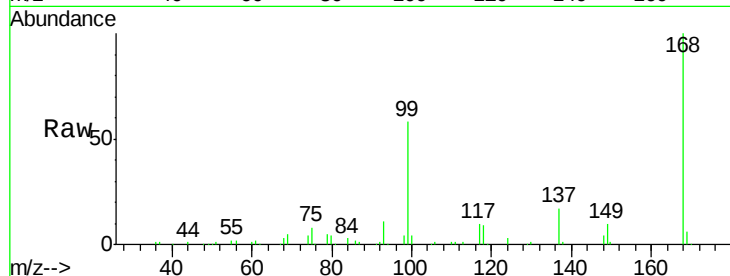
VD0501SBL01

Tot Ion:168 Resp: 591259

Ion Ratio Lower Upper

168 100

99 58.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.01

200000

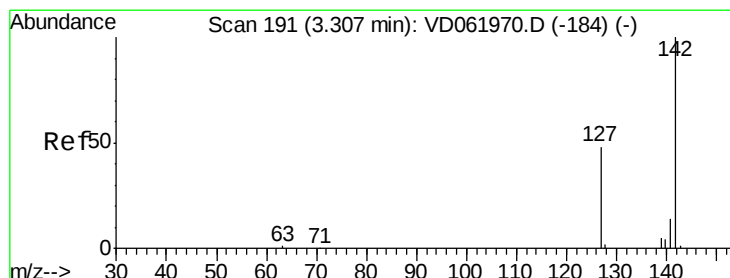
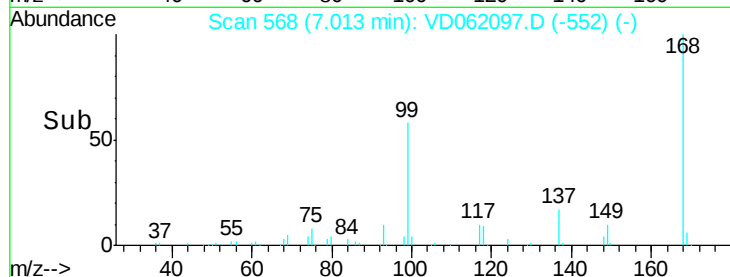
150000

100000

50000

0

Time--> 6.80 7.00 7.20



#10

Methyl Iodide

Concen: 5.587 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.02 min

Lab File: VD062097.D

Acq: 1 May 2019 12:25

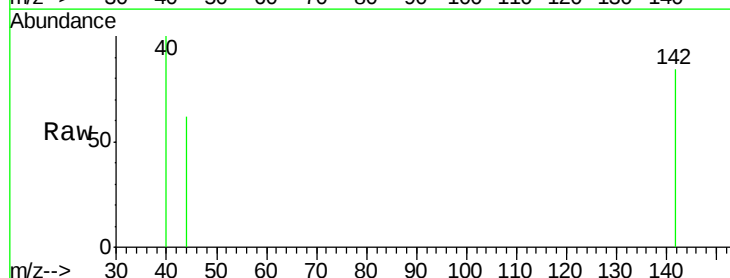
Tgt Ion:142 Resp: 1532

Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

141 0.0 11.4 17.0#



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

800

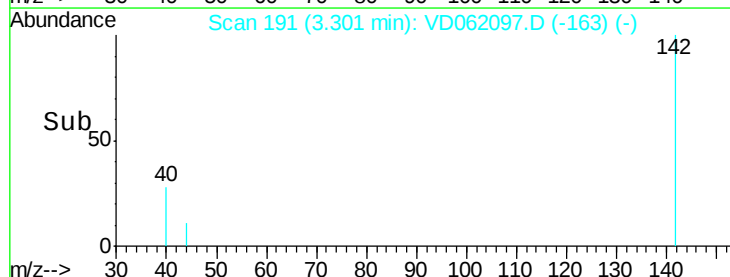
600

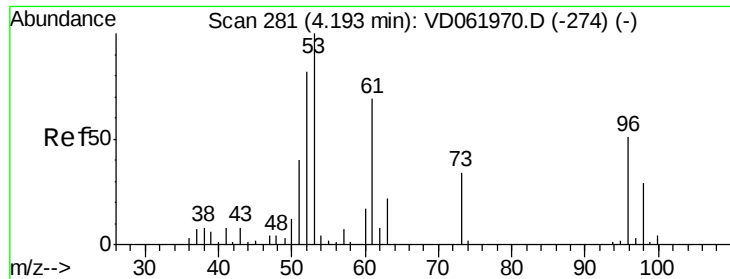
400

200

0

Time--> 3.25 3.30 3.35





#15

Acrylonitrile

Concen: 2.598 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.04 min

Lab File: VD062097.D

Acq: 1 May 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBL01

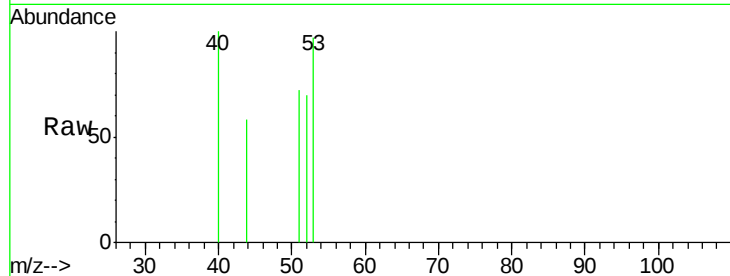
Tot Ion: 53 Resp: 2103

Ion Ratio Lower Upper

53 100

52 71.8 65.0 97.4

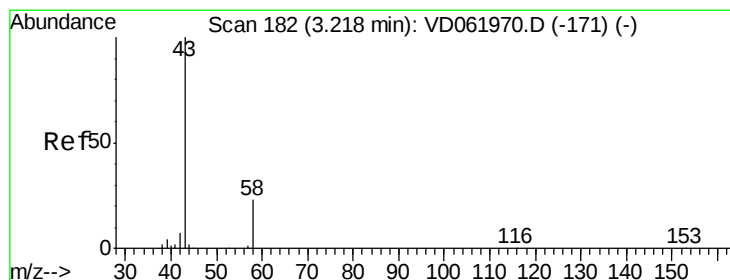
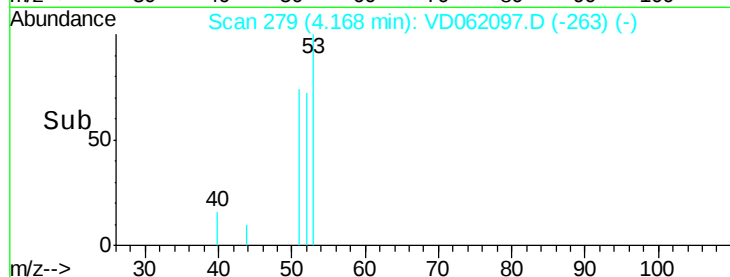
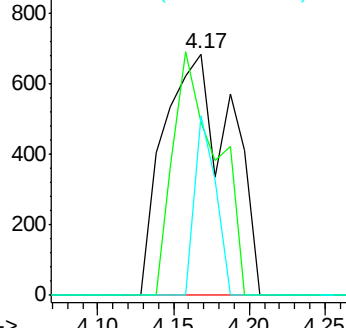
51 74.3 32.6 48.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 3.730 ug/l

RT: 3.19 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062097.D

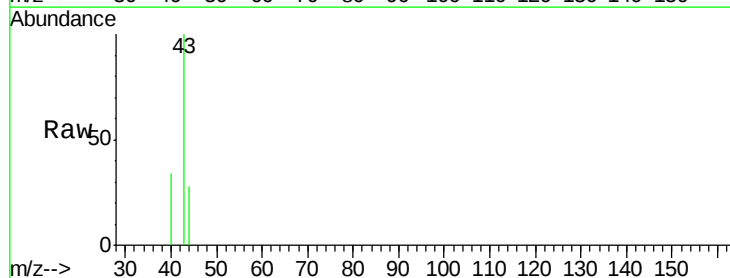
Acq: 1 May 2019 12:25

Tgt Ion: 43 Resp: 4121

Ion Ratio Lower Upper

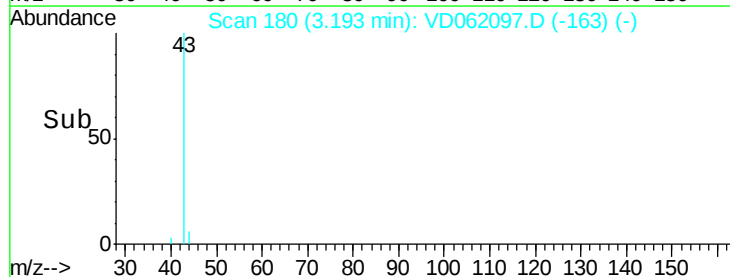
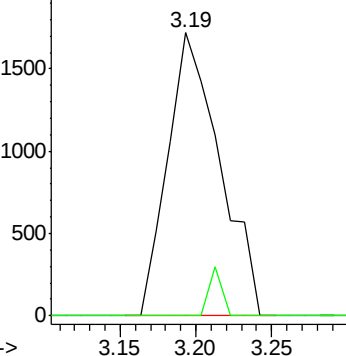
43 100

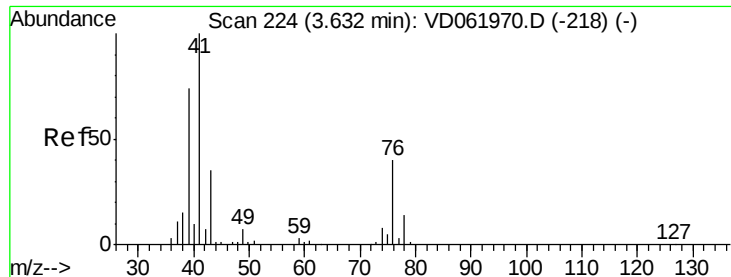
58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

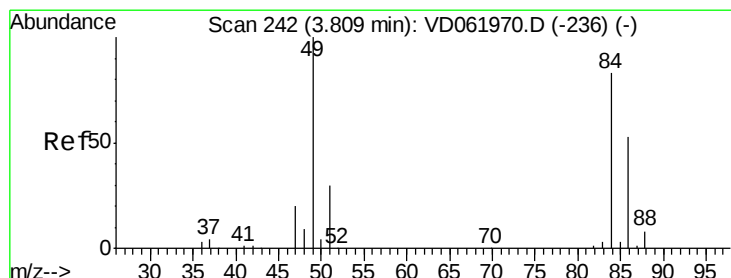
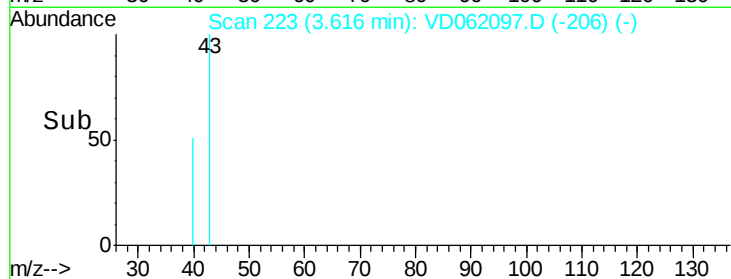
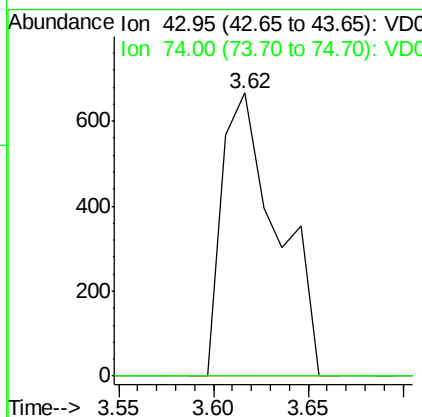
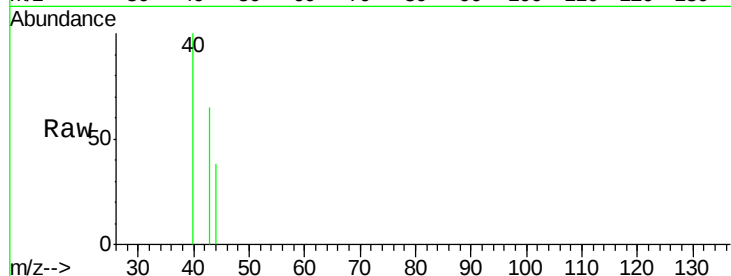




#18
Methyl Acetate
Concen: Below Cal
RT: 3.62 min Scan# 223
Delta R.T. -0.03 min
Lab File: VD062097.D
Acq: 1 May 2019 12:25

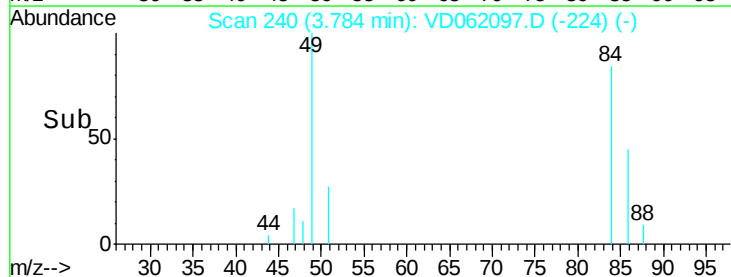
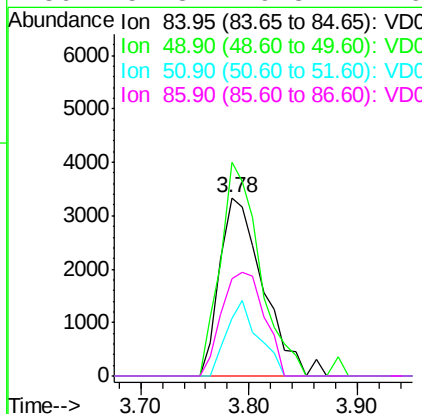
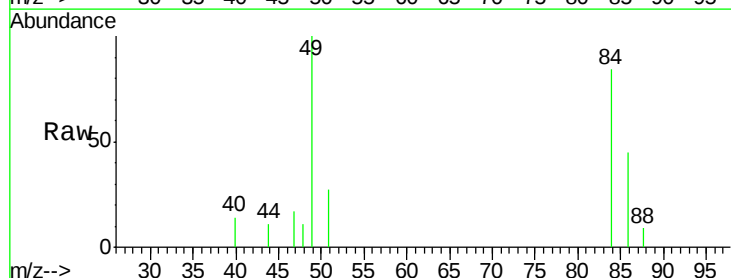
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBL01

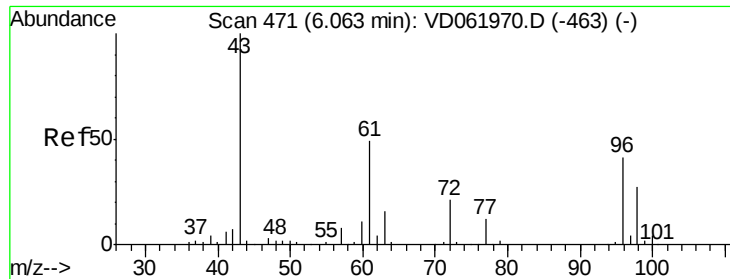
Tot Ion: 43 Resp: 1350
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.78 min Scan# 240
Delta R.T. -0.04 min
Lab File: VD062097.D
Acq: 1 May 2019 12:25

Tgt Ion: 84 Resp: 9352
Ion Ratio Lower Upper
84 100
49 119.6 94.0 141.0
51 32.5 29.0 43.4
86 54.3 49.8 74.6

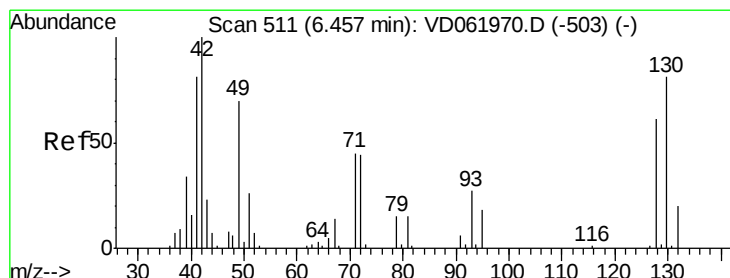
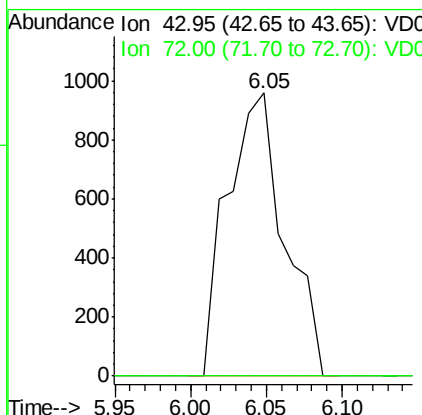
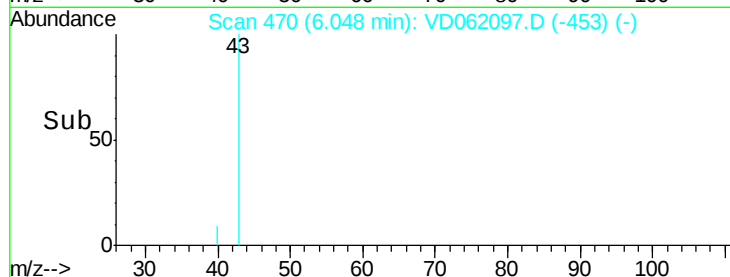
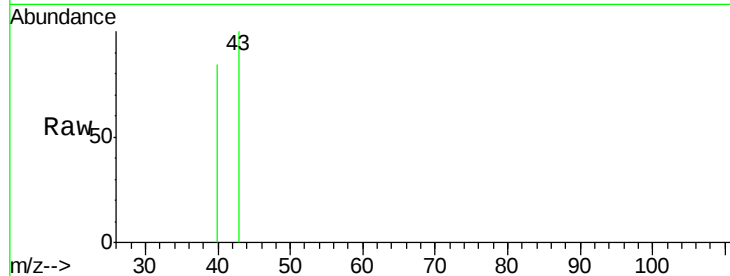




#25
 2-Butanone
 Concen: 1.883 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. -0.03 min
 Lab File: VD062097.D
 Acq: 1 May 2019 12:25

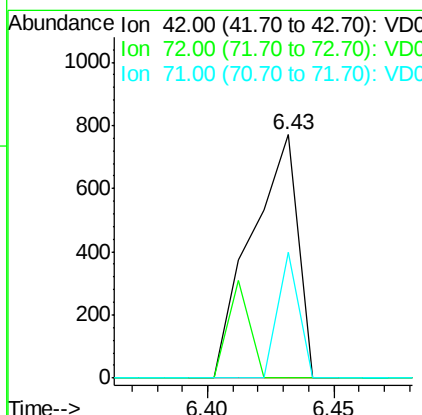
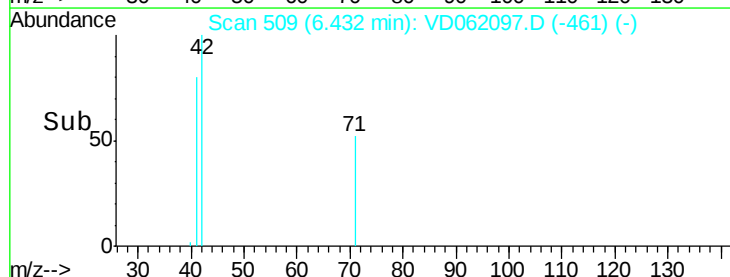
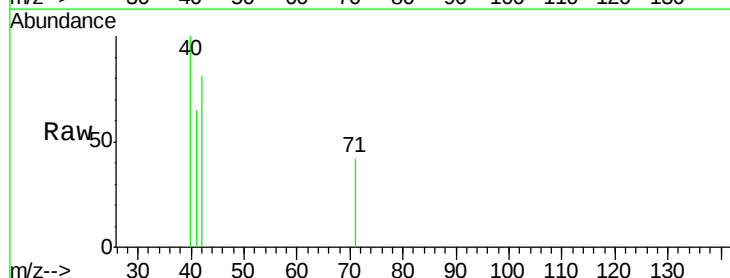
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0501SBL01

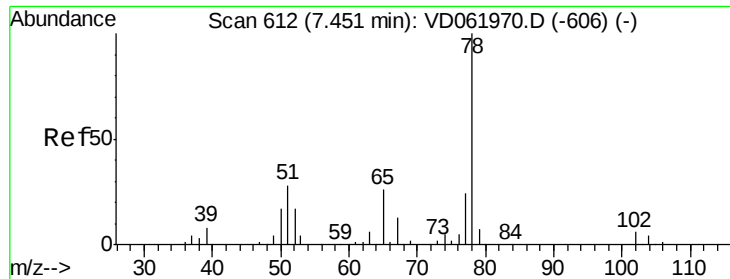
Tot Ion: 43 Resp: 2523
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.2 24.4#



#29
 Tetrahydrofuran
 Concen: 1.500 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.03 min
 Lab File: VD062097.D
 Acq: 1 May 2019 12:25

Tgt Ion: 42 Resp: 990
 Ion Ratio Lower Upper
 42 100
 72 18.4 37.8 56.6#
 71 23.8 36.7 55.1#





#33

1,2-Dichloroethane-d4

Concen: 54.913 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062097.D

Acq: 1 May 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

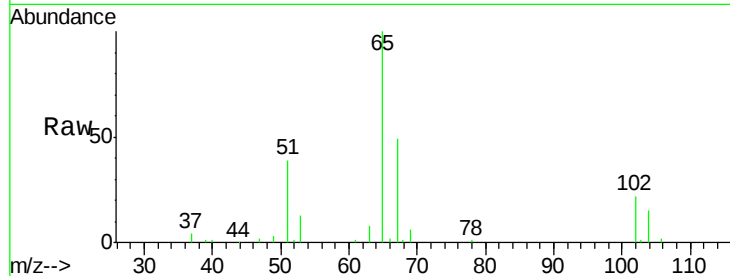
VD0501SBL01

Tot Ion: 65 Resp: 254113

Ion Ratio Lower Upper

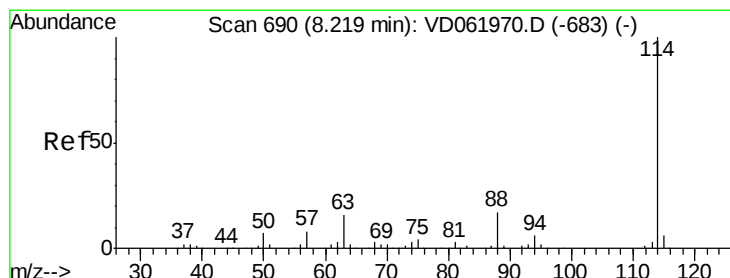
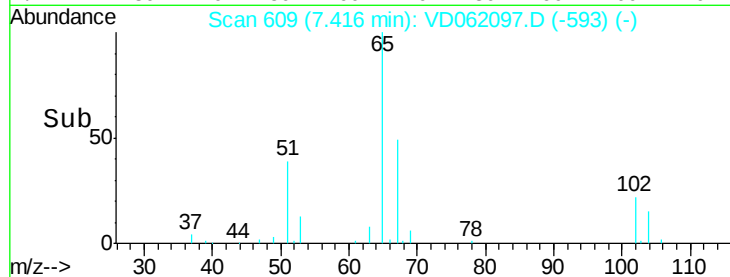
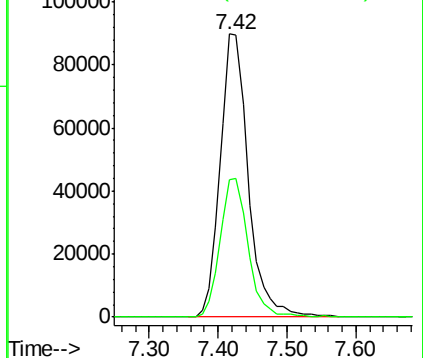
65 100

67 48.6 0.0 98.0



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: 8.18 min Scan# 687

Delta R.T. -0.04 min

Lab File: VD062097.D

Acq: 1 May 2019 12:25

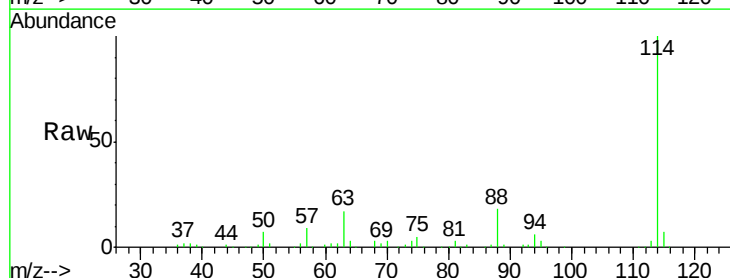
Tgt Ion: 114 Resp: 890626

Ion Ratio Lower Upper

114 100

63 16.9 0.0 32.4

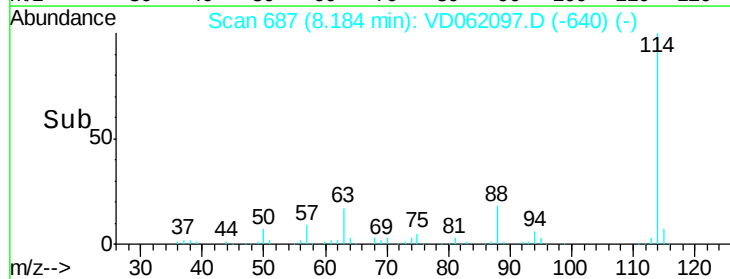
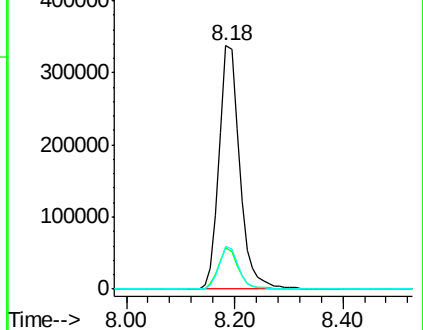
88 17.6 0.0 33.6

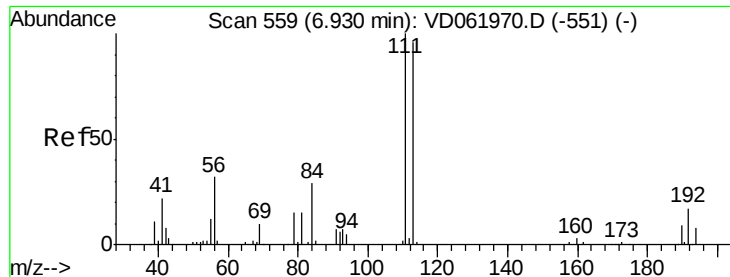


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

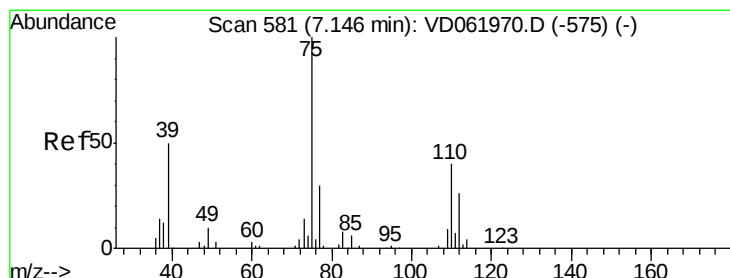
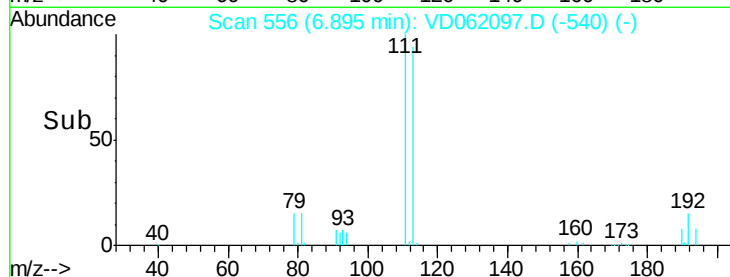
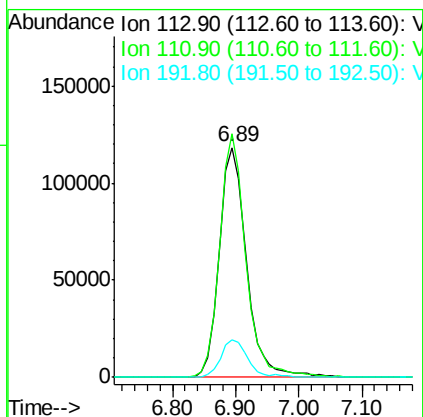
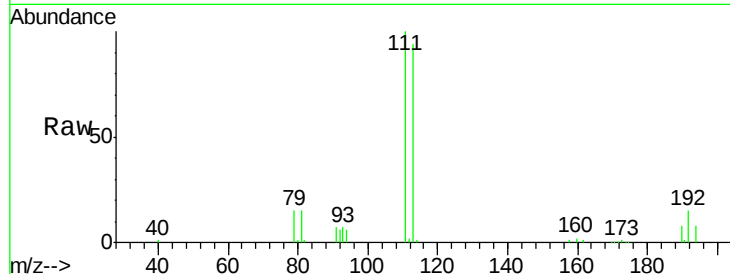




#35
 Dibromofluoromethane
 Concen: 58.018 ug/l
 RT: 6.89 min Scan# 556
 Delta R.T. -0.04 min
 Lab File: VD062097.D
 Acq: 1 May 2019 12:25

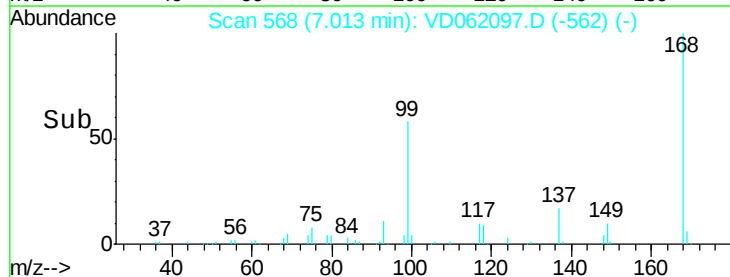
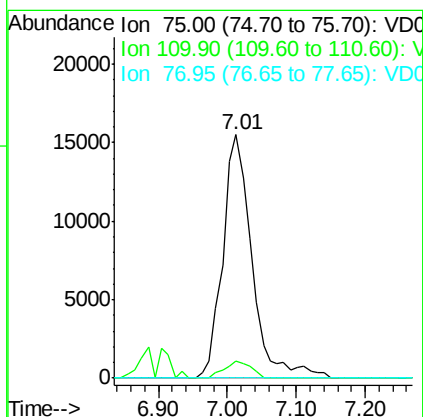
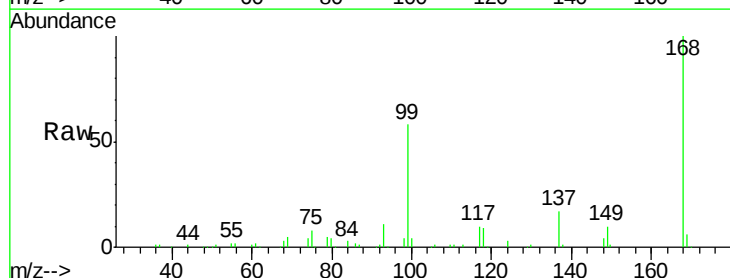
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0501SBL01

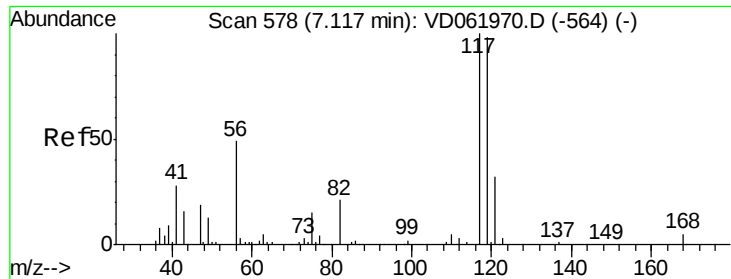
Tot Ion:113 Resp: 357365
 Ion Ratio Lower Upper
 113 100
 111 105.9 78.5 117.7
 192 16.1 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 6.573 ug/l
 RT: 7.01 min Scan# 568
 Delta R.T. -0.14 min
 Lab File: VD062097.D
 Acq: 1 May 2019 12:25

Tgt Ion: 75 Resp: 45611
 Ion Ratio Lower Upper
 75 100
 110 6.9 19.1 57.1#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 6.985 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.11 min

Lab File: VD062097.D

Acq: 1 May 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBL01

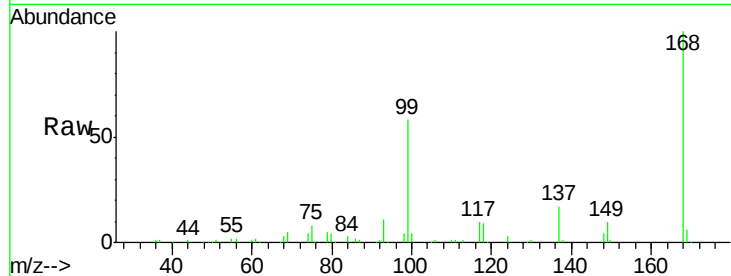
Tot Ion:117 Resp: 61415

Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.8#

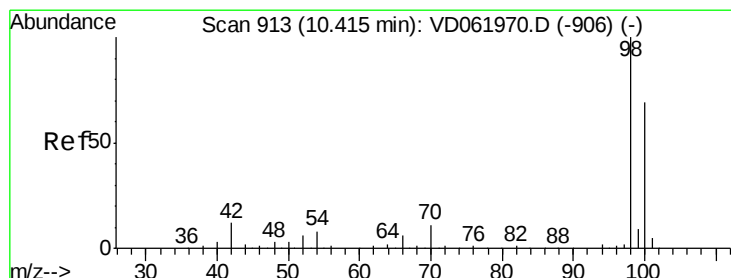
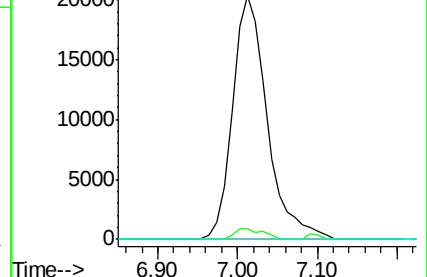
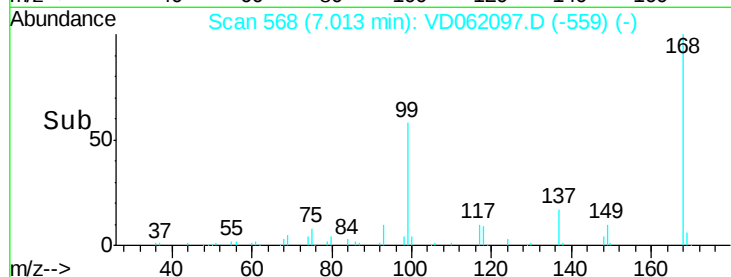
121 0.0 25.9 38.9#



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: 55.137 ug/l

RT: 10.38 min Scan# 910

Delta R.T. -0.04 min

Lab File: VD062097.D

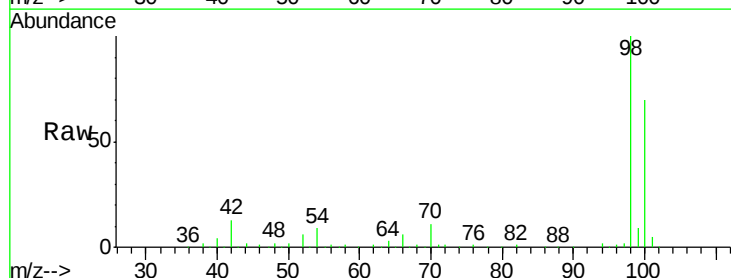
Acq: 1 May 2019 12:25

Tgt Ion: 98 Resp: 808120

Ion Ratio Lower Upper

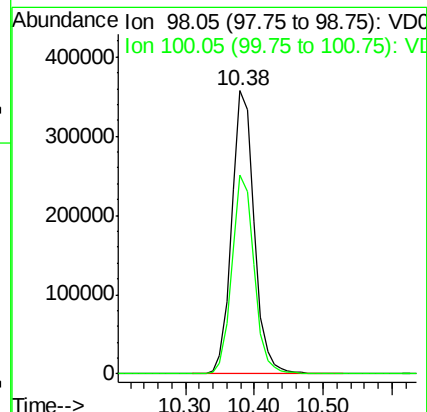
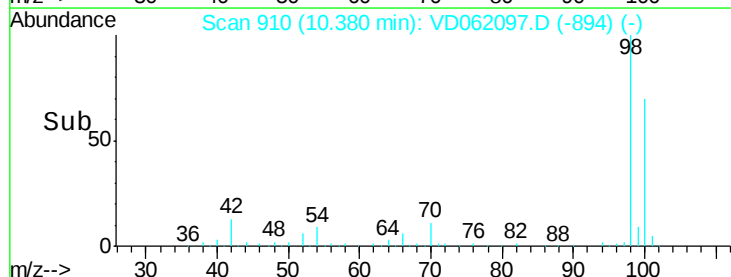
98 100

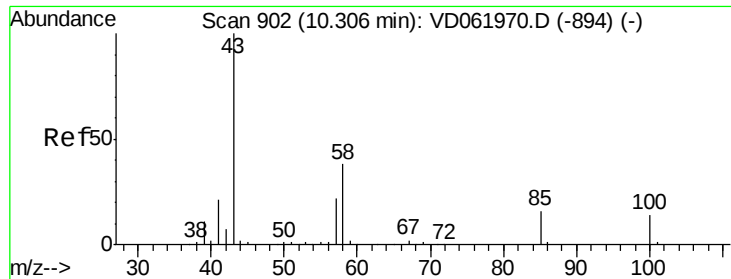
100 70.2 53.8 80.8



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: 1.875 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD062097.D

Acq: 1 May 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

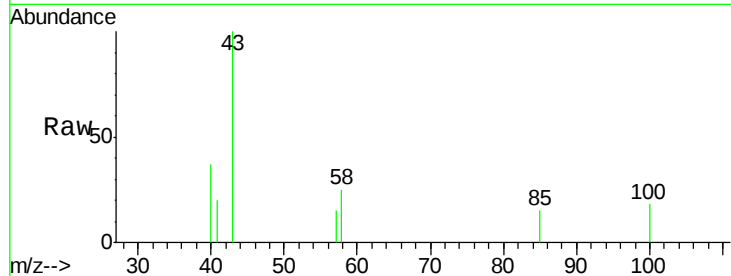
VD0501SBL01

Tot Ion: 43 Resp: 4954

Ion Ratio Lower Upper

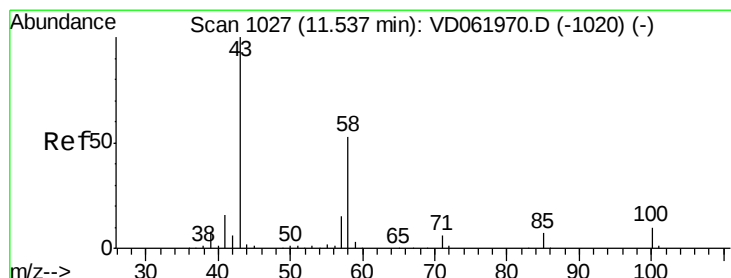
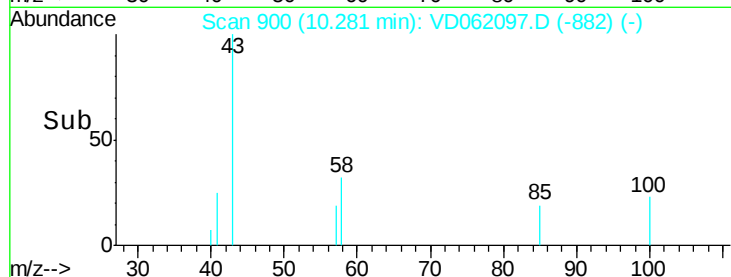
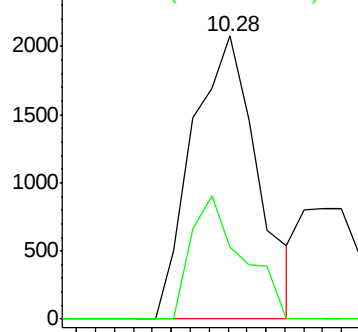
43 100

58 25.3 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#59

2-Hexanone

Concen: 2.080 ug/l

RT: 11.51 min Scan# 1025

Delta R.T. -0.02 min

Lab File: VD062097.D

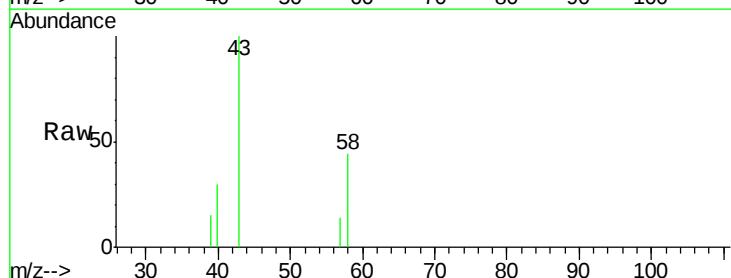
Acq: 1 May 2019 12:25

Tgt Ion: 43 Resp: 4123

Ion Ratio Lower Upper

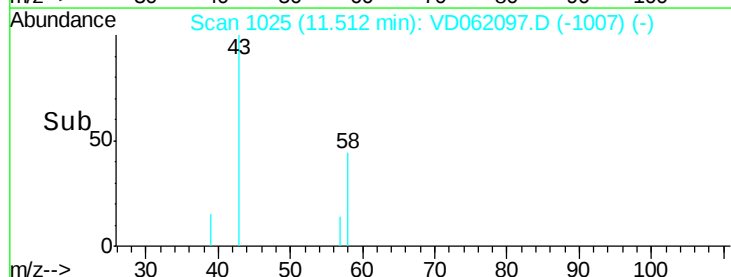
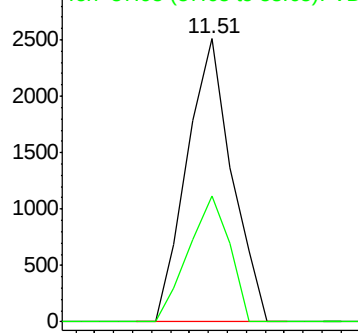
43 100

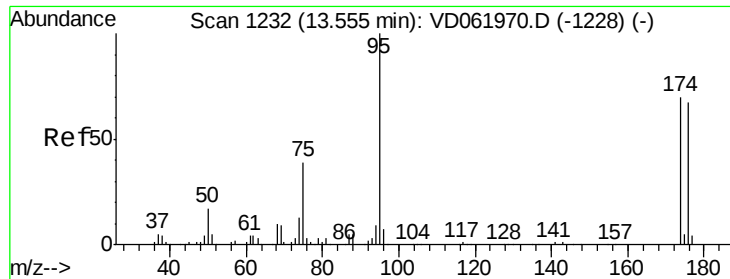
58 44.3 25.4 76.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

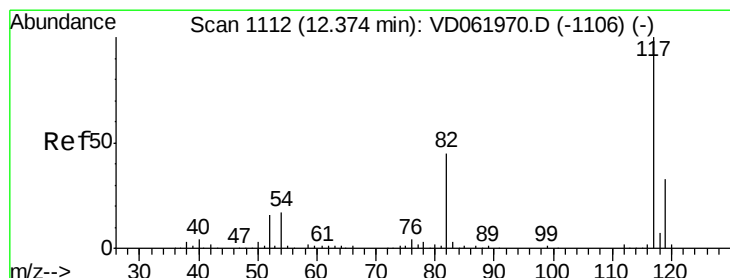
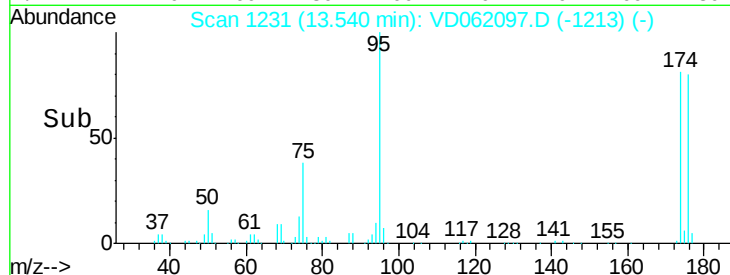
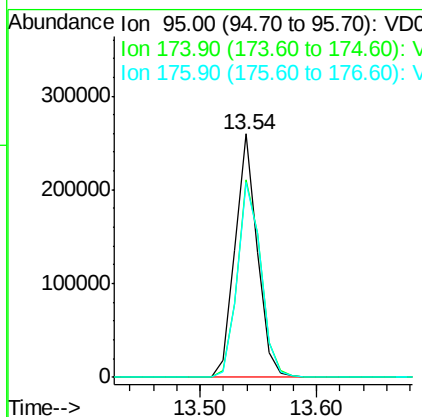
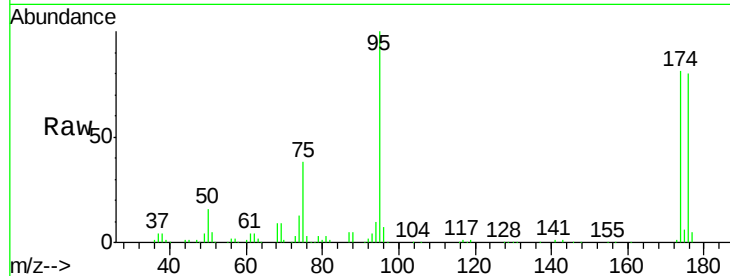




#62
4-Bromofluorobenzene
Concen: 58.289 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD062097.D
Acq: 1 May 2019 12:25

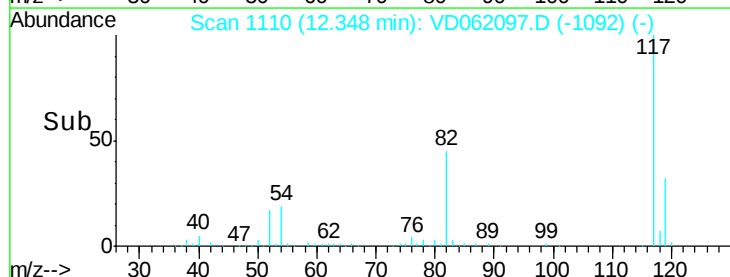
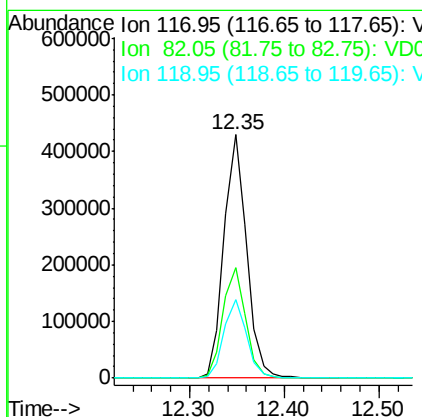
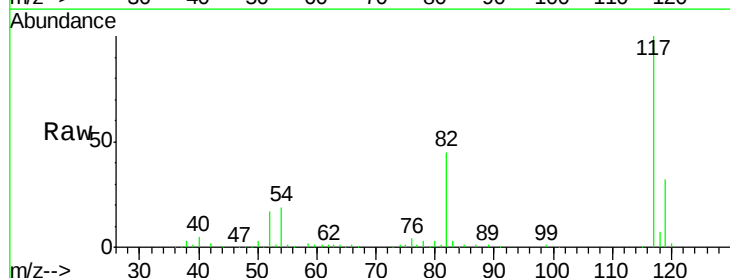
Instrument :
MSVOA_D
ClientSampleId :
VD0501SBL01

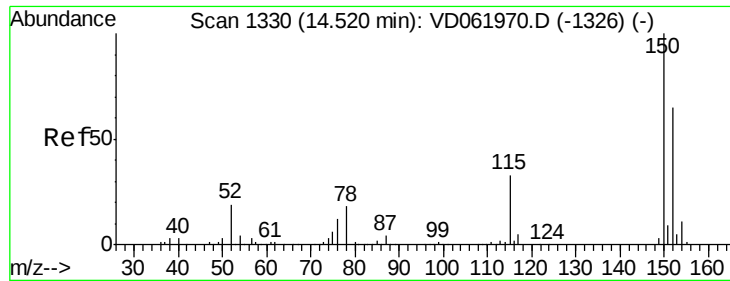
Tot Ion: 95 Resp: 342664
Ion Ratio Lower Upper
95 100
174 80.9 0.0 181.8
176 79.9 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062097.D
Acq: 1 May 2019 12:25

Tgt Ion: 117 Resp: 714002
Ion Ratio Lower Upper
117 100
82 45.4 36.2 54.2
119 32.2 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. -0.02 min

Lab File: VD062097.D

Acq: 1 May 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBL01

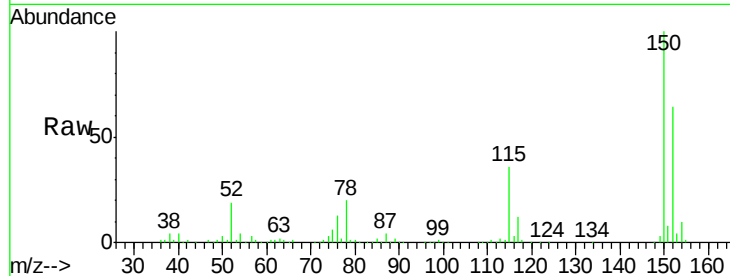
Tot Ion:152 Resp: 390678

Ion Ratio Lower Upper

152 100

115 56.7 30.9 92.7

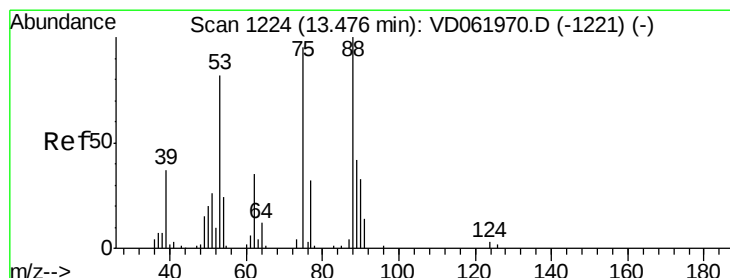
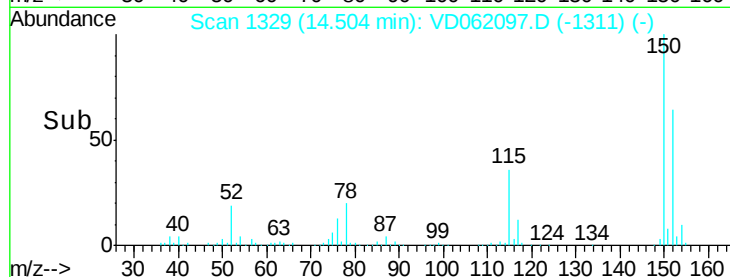
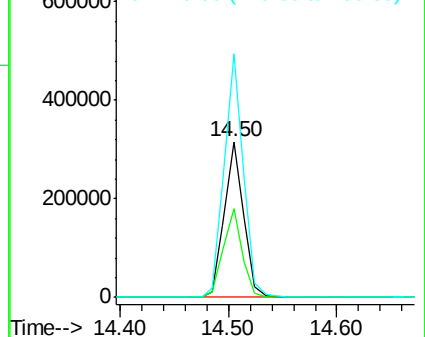
150 156.2 0.0 314.8



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: 86.798 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD062097.D

Acq: 1 May 2019 12:25

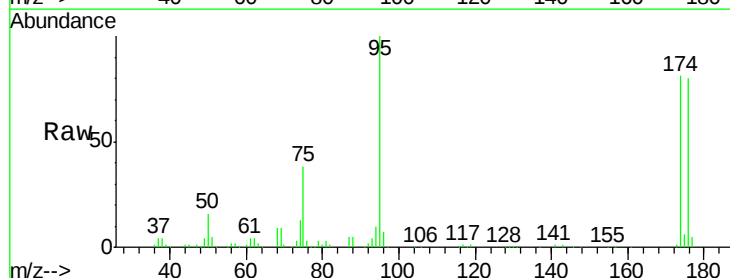
Tgt Ion: 75 Resp: 130491

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

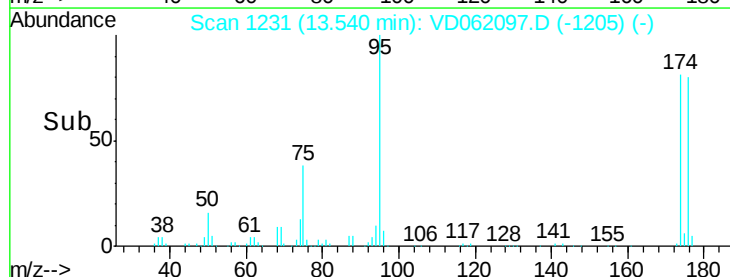
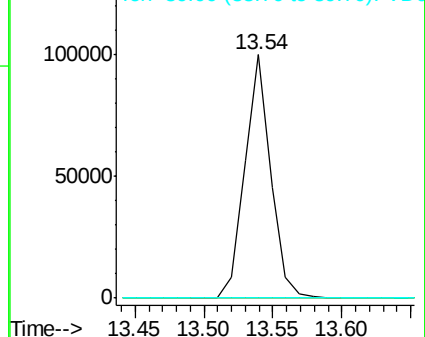
89 0.0 35.0 52.6#

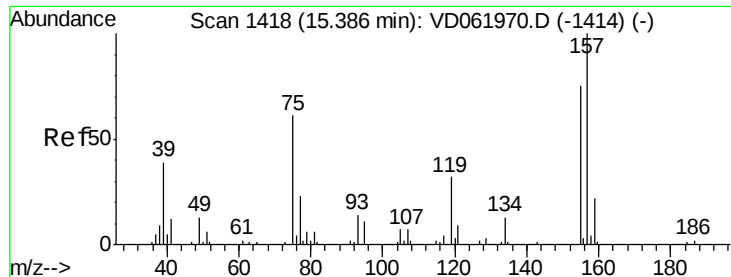


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.921 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VD062097.D

Acq: 1 May 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBL01

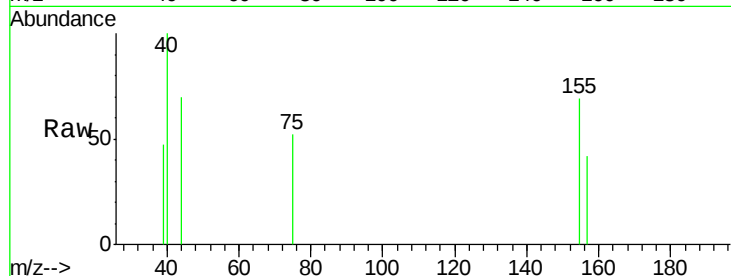
Tot Ion: 75 Resp: 226

Ion Ratio Lower Upper

75 100

155 133.8 55.3 165.8

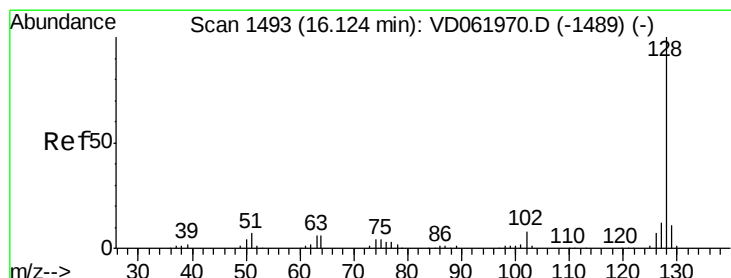
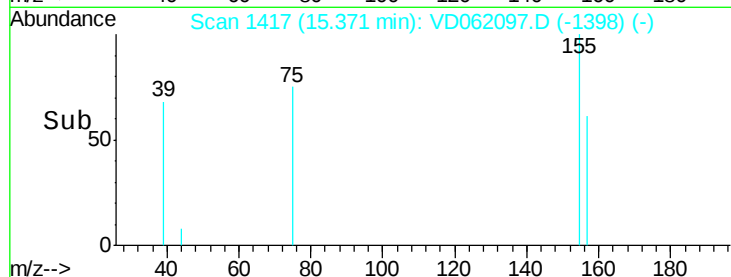
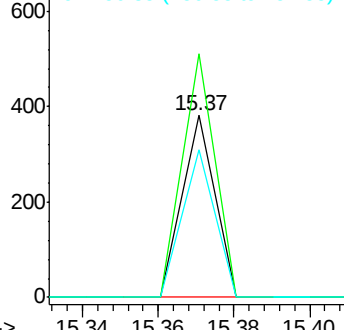
157 81.4 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#95

Naphthalene

Concen: 1.021 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.02 min

Lab File: VD062097.D

Acq: 1 May 2019 12:25

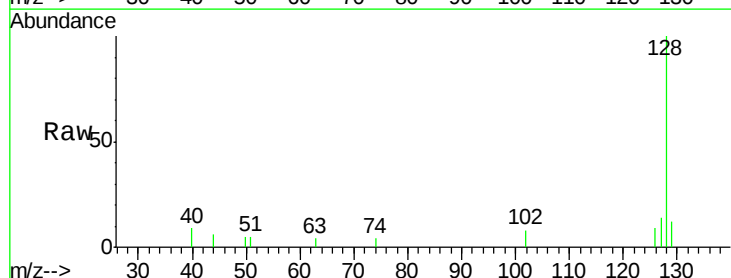
Tgt Ion: 128 Resp: 9605

Ion Ratio Lower Upper

128 100

127 13.7 9.8 14.8

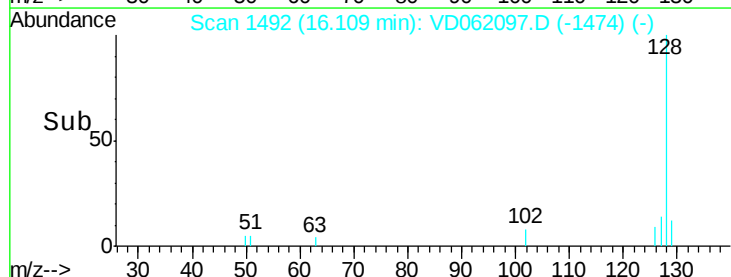
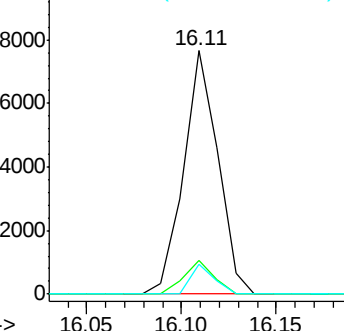
129 12.4 8.8 13.2

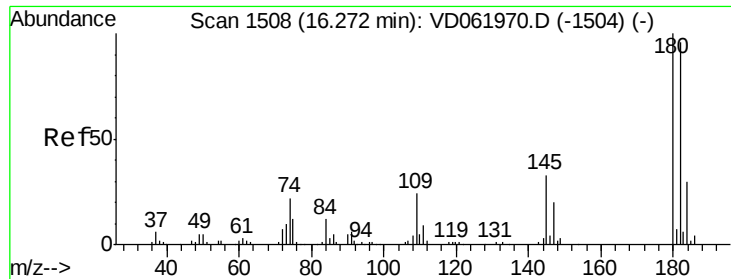


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 1.072 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD062097.D

Acq: 1 May 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0501SBL01

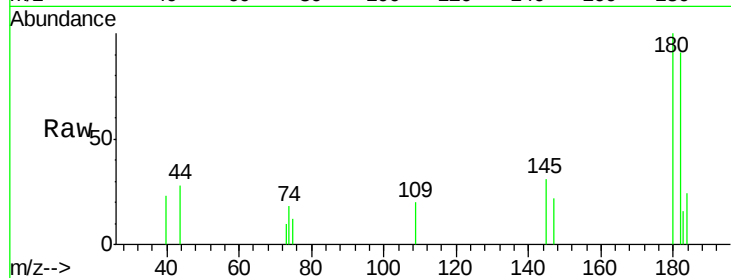
Tot Ion:180 Resp: 3543

Ion Ratio Lower Upper

180 100

182 91.0 47.0 141.0

145 31.0 17.0 51.0



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

