

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD123119\
 Data File : VD064701.D
 Acq On : 31 Dec 2019 18:10
 Operator : VA/SY
 Sample : K6463-05
 Misc : 7.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-5C-(5-6)

Quant Time: Jan 01 00:47:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

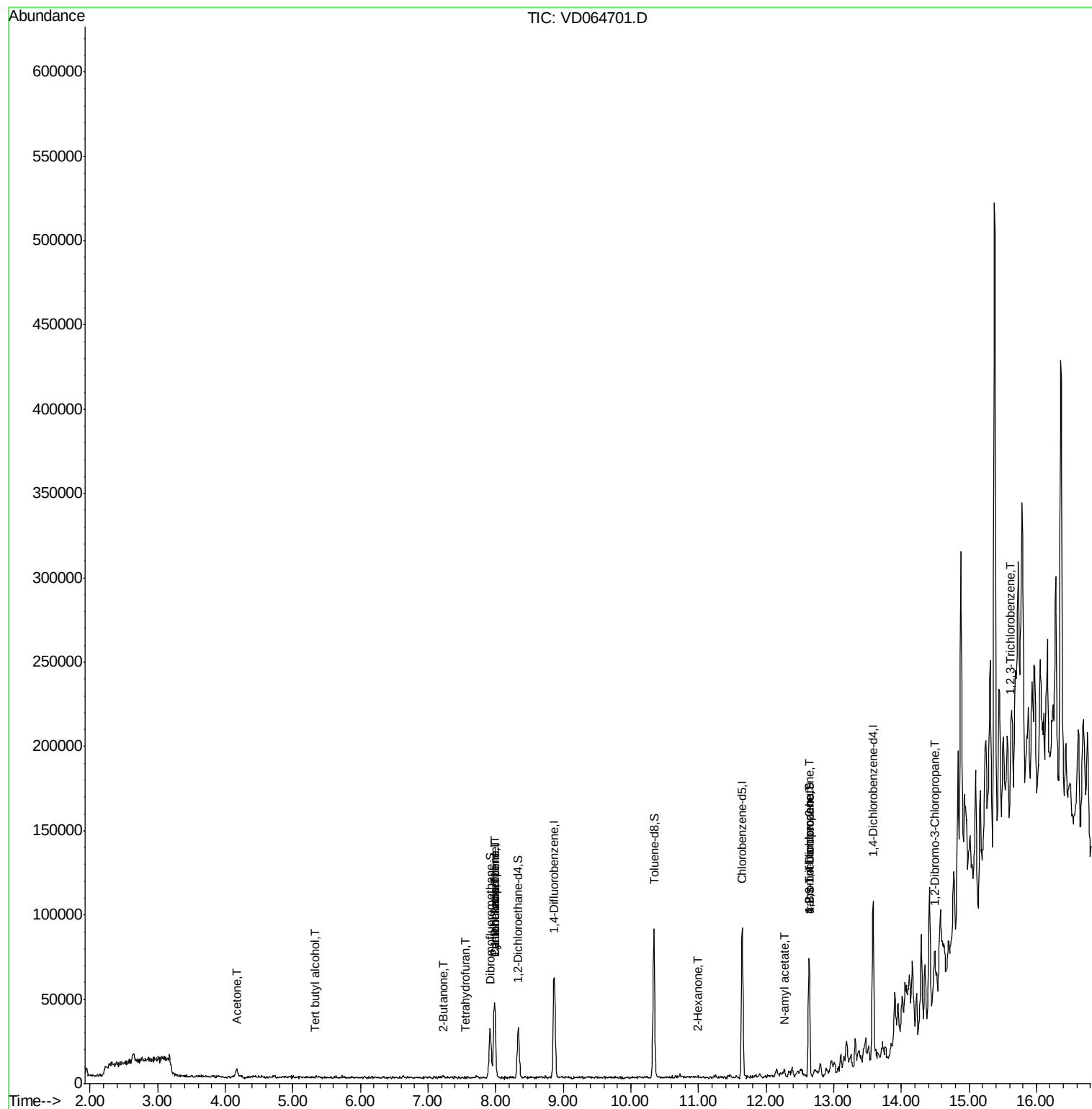
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	35462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	51303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	49115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	24893	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	22894	73.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	146.42%	
35) Dibromofluoromethane	7.92	113	19455	61.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.62%	
50) Toluene-d8	10.34	98	59292	49.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.63	95	20401	53.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.04%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.34	59	56	3.125	ug/l #	70
16) Acetone	4.17	43	8466	123.207	ug/l	98
20) Methylene Chloride	4.97	84	75	Below Cal	#	62
25) 2-Butanone	7.23	43	1385	16.113	ug/l	92
29) Tetrahydrofuran	7.56	42	79	1.478	ug/l #	33
31) Cyclohexane	7.98	56	793	1.360	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	2664	5.395	ug/l #	46
38) Carbon Tetrachloride	7.99	117	3785	7.189	ug/l #	12
59) 2-Hexanone	10.99	43	147	1.135	ug/l	87
74) N-amyl acetate	12.27	43	1592	4.187	ug/l #	50
76) 1,2,3-Trichloropropane	12.64	75	10896	55.430	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	10896	115.931	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.50	75	61	1.347	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.61	180	924	2.069	ug/l #	29

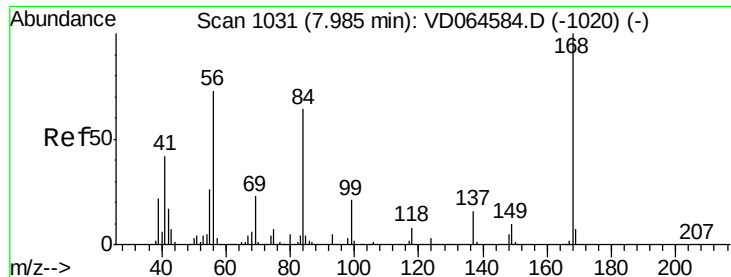
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064701.D

Acq: 31 Dec 2019 18:10

Instrument :

MSVOA_D

ClientSampleId :

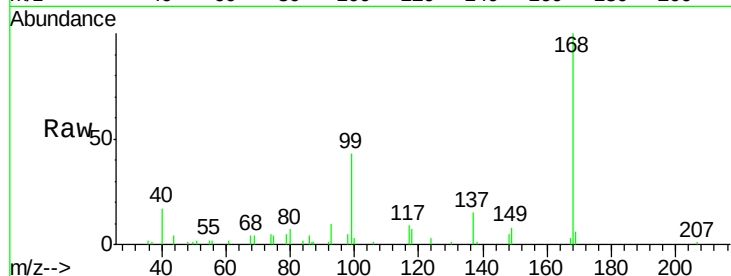
GP-5C-(5-6)

Tgt Ion:168 Resp: 35462

Ion Ratio Lower Upper

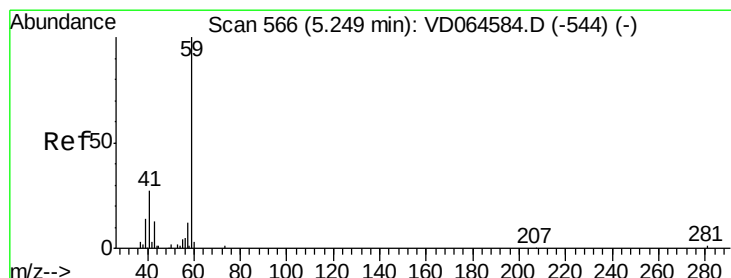
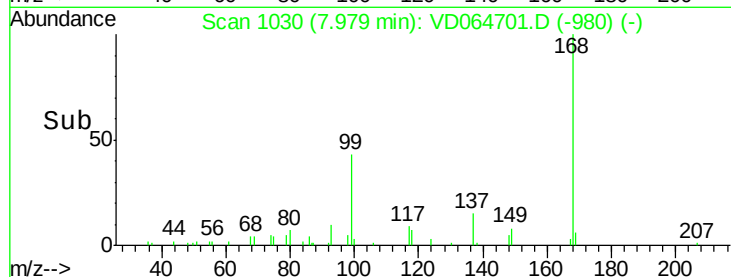
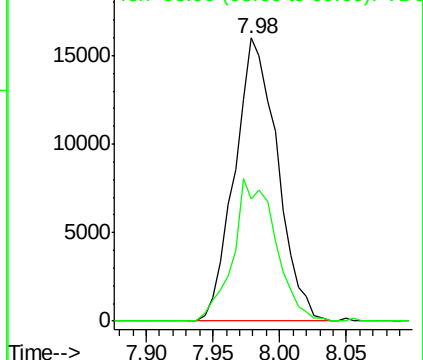
168 100

99 43.2 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 3.125 ug/l

RT: 5.34 min Scan# 581

Delta R.T. 0.09 min

Lab File: VD064701.D

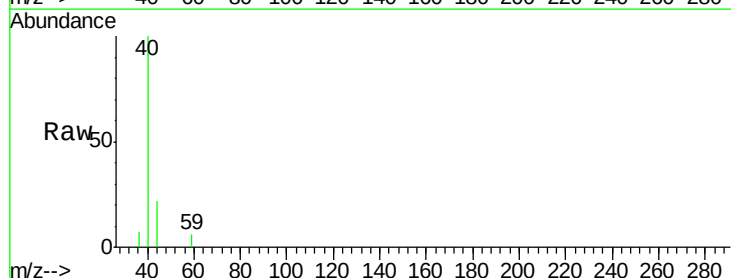
Acq: 31 Dec 2019 18:10

Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

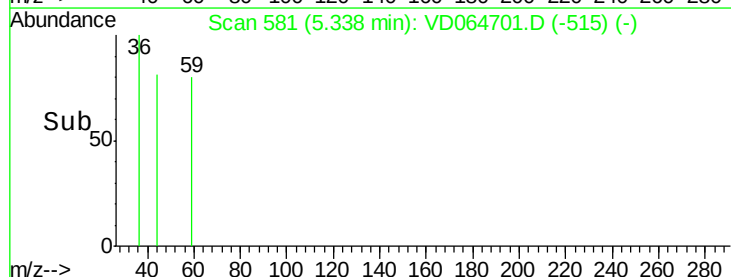
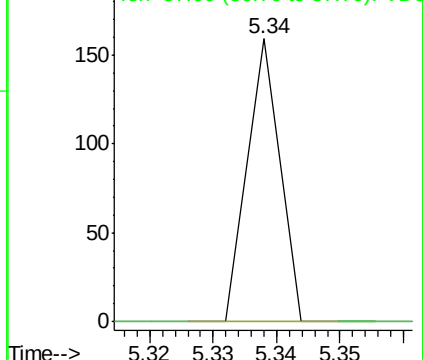
59 100

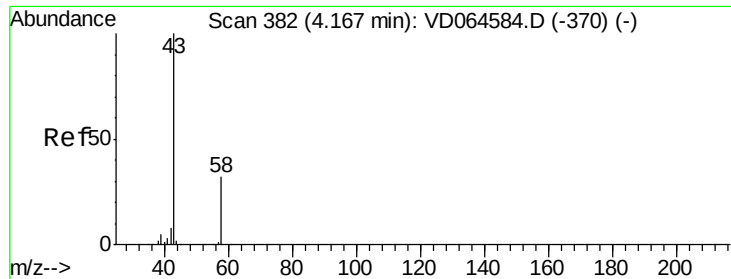
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 123.207 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064701.D

Acq: 31 Dec 2019 18:10

Instrument :

MSVOA_D

ClientSampleId :

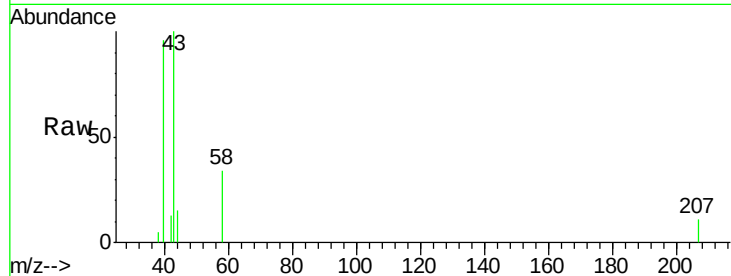
GP-5C-(5-6)

Tgt Ion: 43 Resp: 8466

Ion Ratio Lower Upper

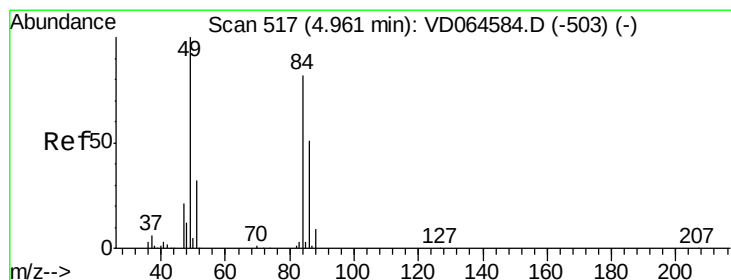
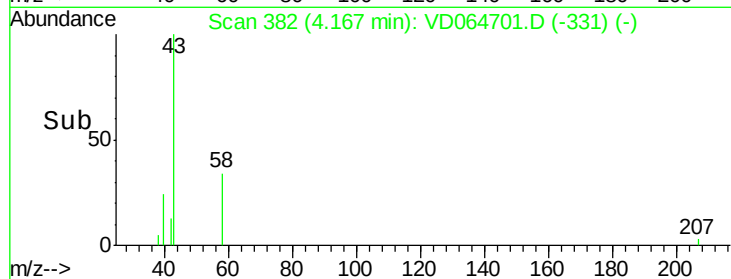
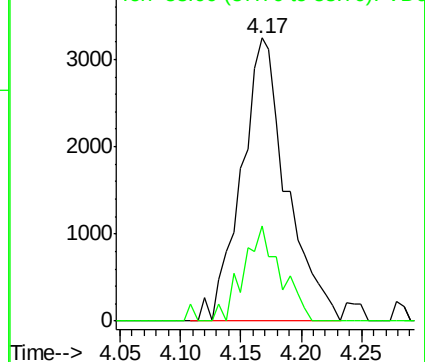
43 100

58 33.6 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064701.D

Acq: 31 Dec 2019 18:10

Tgt Ion: 84 Resp: 75

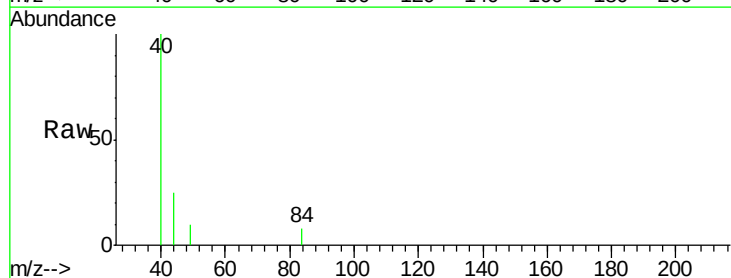
Ion Ratio Lower Upper

84 100

49 130.0 97.2 145.8

51 0.0 31.4 47.0#

86 0.0 49.3 73.9#

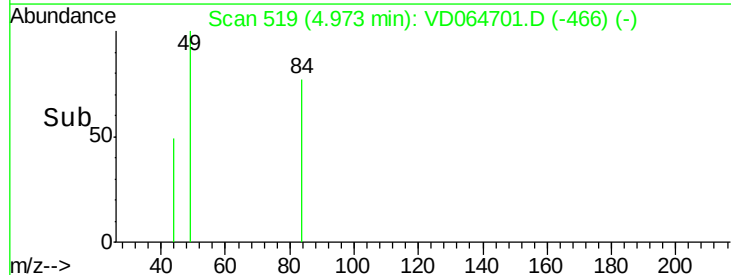
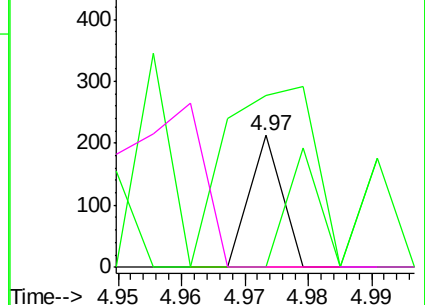


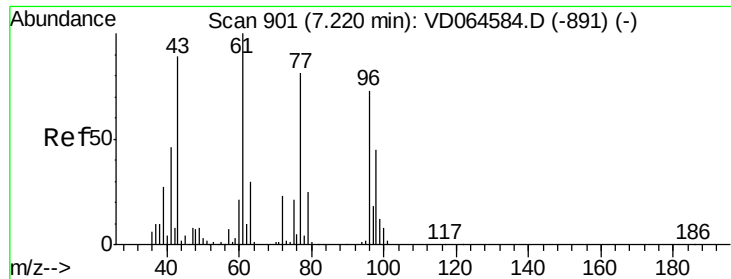
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 16.113 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064701.D

Acq: 31 Dec 2019 18:10

Instrument :

MSVOA_D

ClientSampleId :

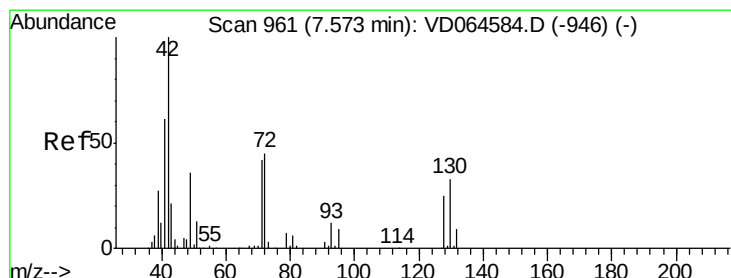
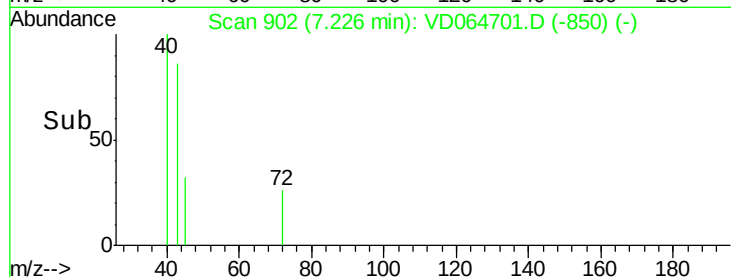
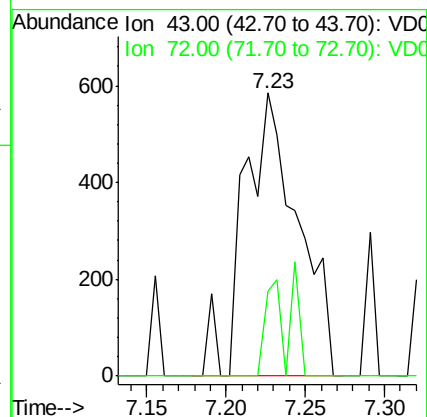
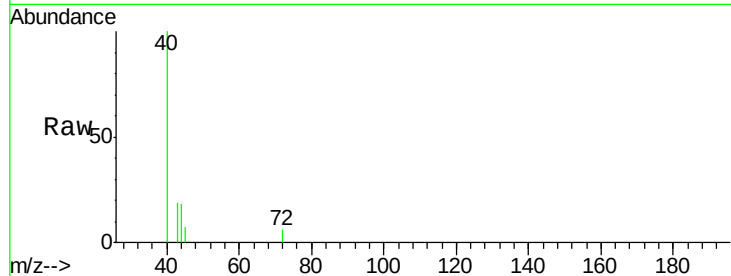
GP-5C-(5-6)

Tgt Ion: 43 Resp: 1385

Ion Ratio Lower Upper

43 100

72 29.9 20.7 31.1



#29

Tetrahydrofuran

Concen: 1.478 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.02 min

Lab File: VD064701.D

Acq: 31 Dec 2019 18:10

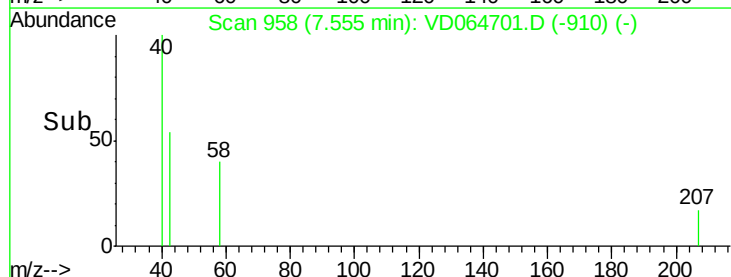
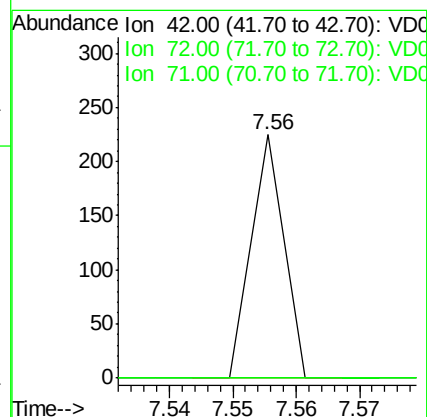
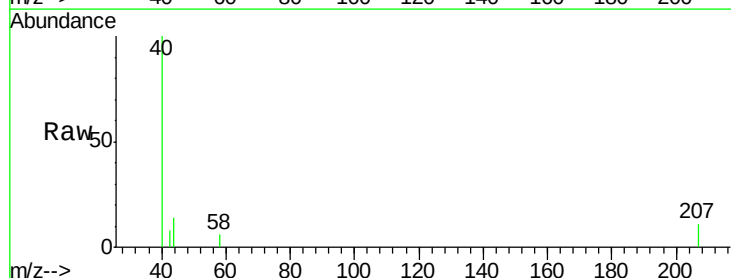
Tgt Ion: 42 Resp: 79

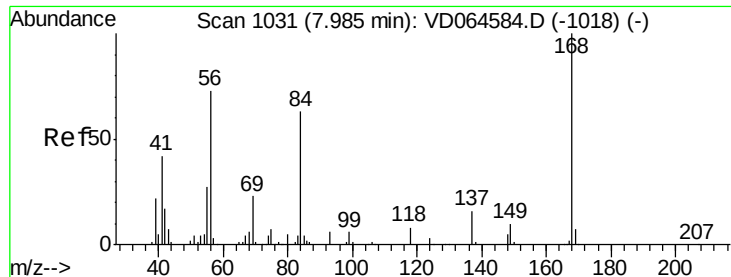
Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

71 0.0 32.9 49.3#

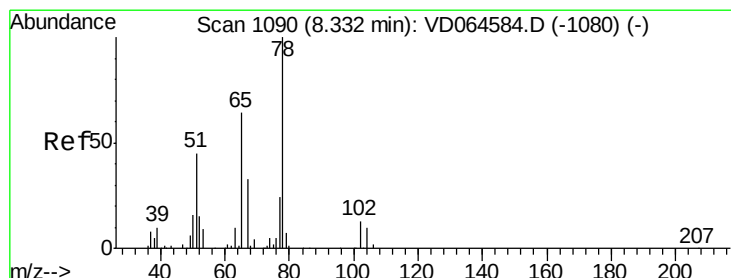
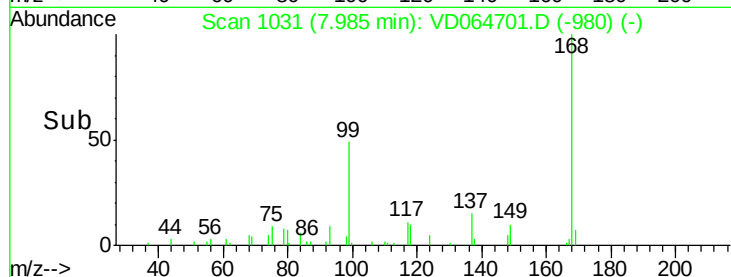
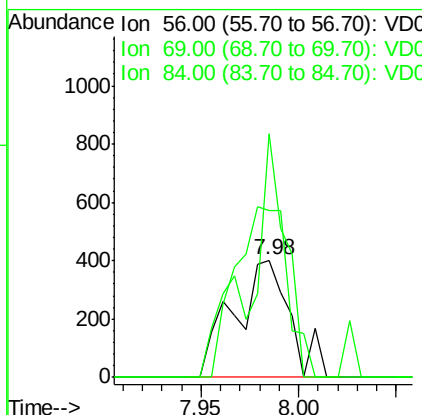
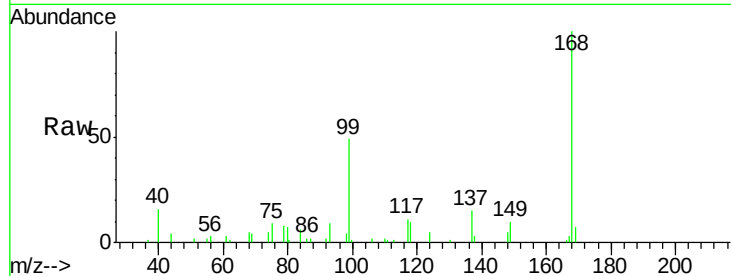




#31
Cyclohexane
Concen: 1.360 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064701.D
Acq: 31 Dec 2019 18:10

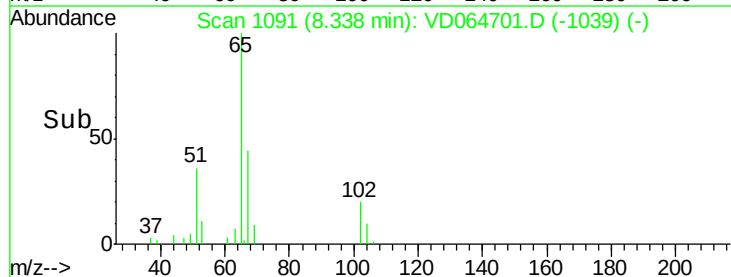
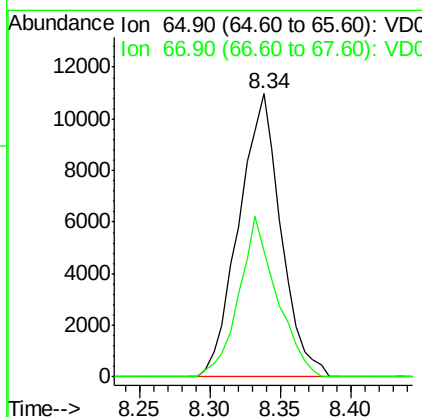
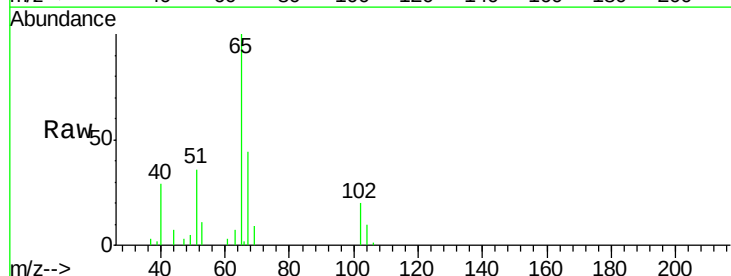
Instrument :
MSVOA_D
ClientSampleId :
GP-5C-(5-6)

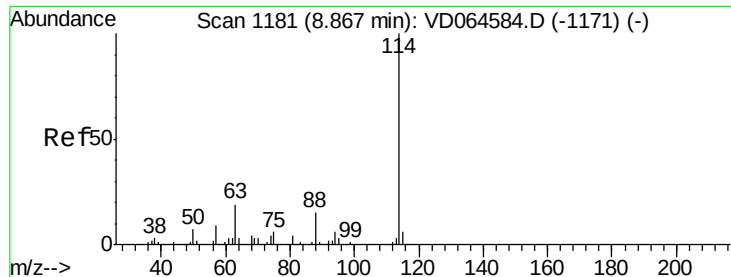
Tgt Ion: 56 Resp: 793
Ion Ratio Lower Upper
56 100
69 141.8 24.7 37.1#
84 207.7 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 73.214 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064701.D
Acq: 31 Dec 2019 18:10

Tgt Ion: 65 Resp: 22894
Ion Ratio Lower Upper
65 100
67 50.9 0.0 106.2

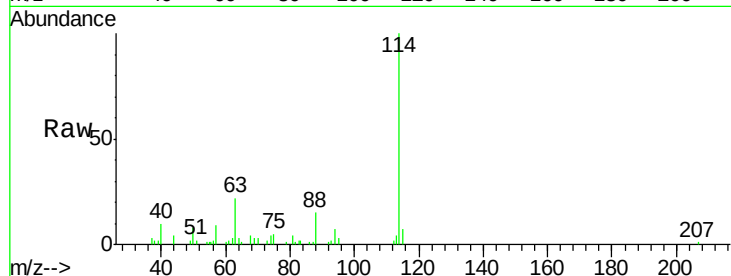




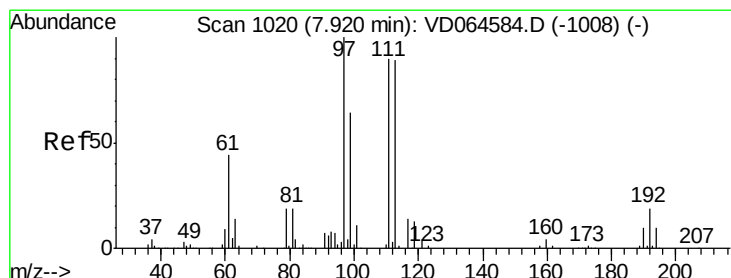
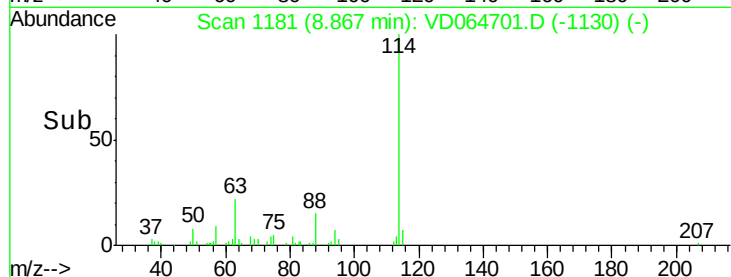
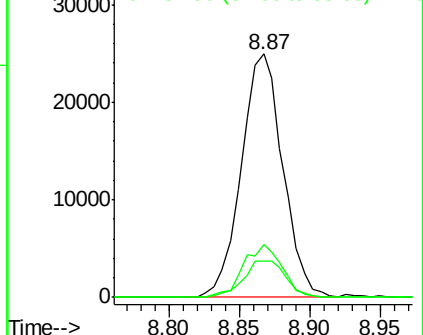
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064701.D
 Acq: 31 Dec 2019 18:10

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-5C-(5-6)

Tgt Ion:114 Resp: 51303
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 38.0
 88 14.8 0.0 29.2

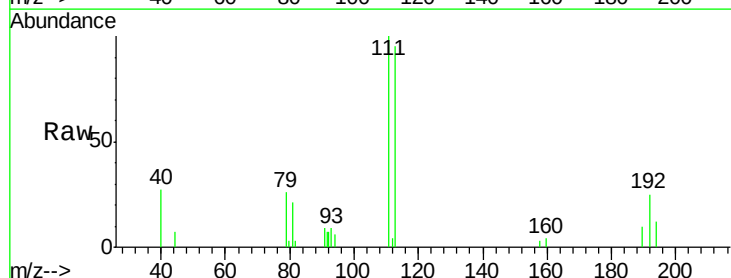


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

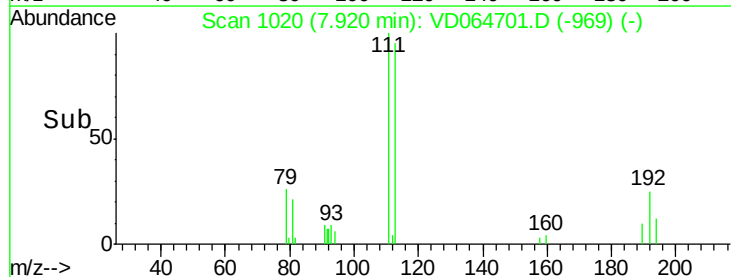
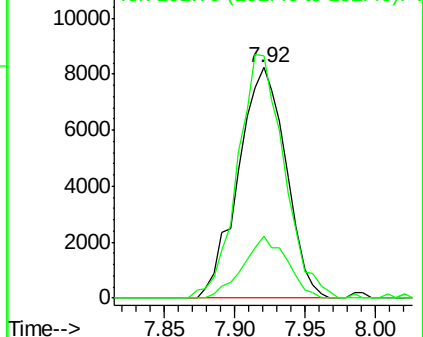


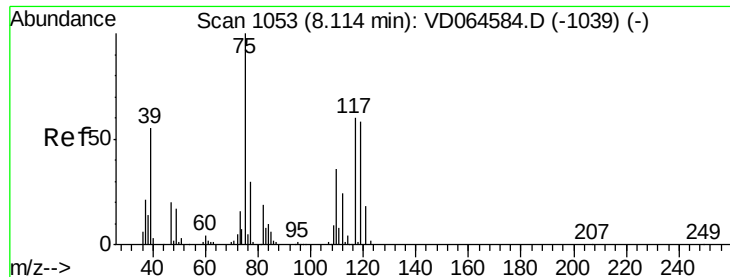
#35
 Dibromofluoromethane
 Concen: 61.810 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064701.D
 Acq: 31 Dec 2019 18:10

Tgt Ion:113 Resp: 19455
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.6 121.0
 192 24.7 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

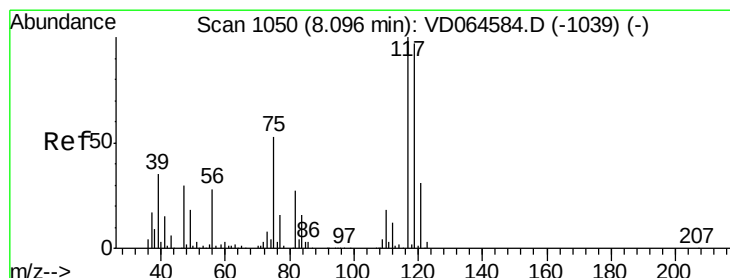
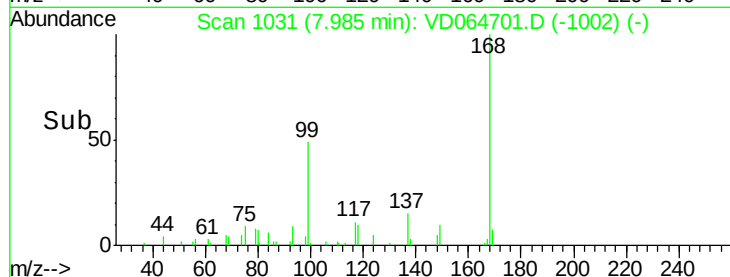
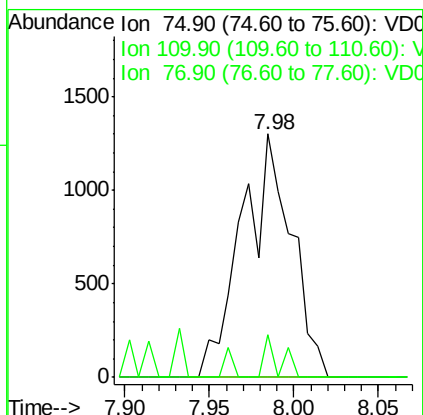
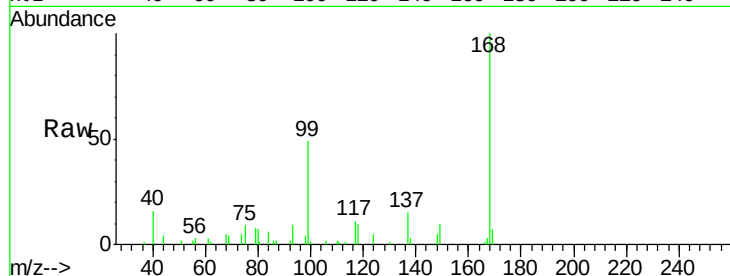




#36
 1,1-Dichloropropene
 Concen: 5.395 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064701.D
 Acq: 31 Dec 2019 18:10

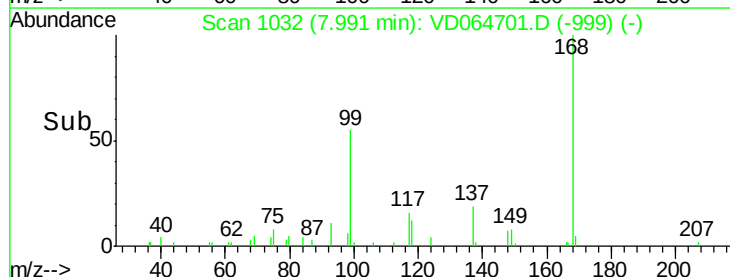
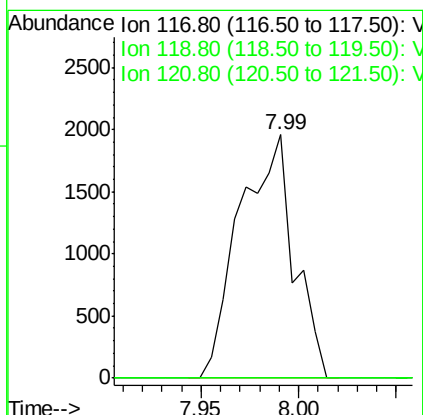
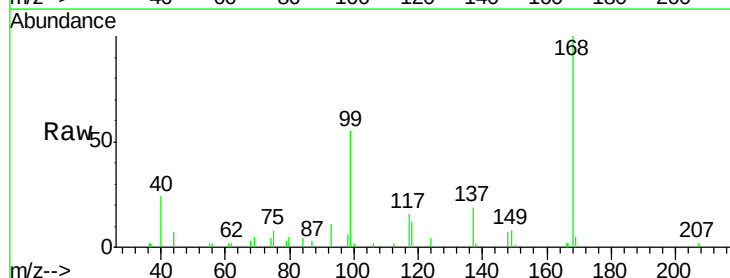
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 MSVOA_D
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 GP-5C-(5-6)

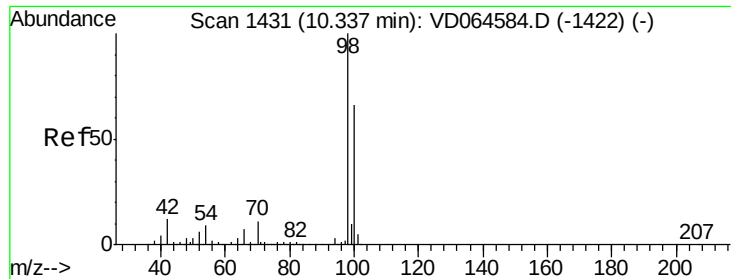
Tgt Ion: 75 Resp: 2664
 Ion Ratio Lower Upper
 75 100
 110 5.1 18.1 54.1#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 7.189 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.11 min
 Lab File: VD064701.D
 Acq: 31 Dec 2019 18:10

Tgt Ion: 117 Resp: 3785
 Ion Ratio Lower Upper
 117 100
 119 0.0 77.3 115.9#
 121 0.0 25.0 37.6#

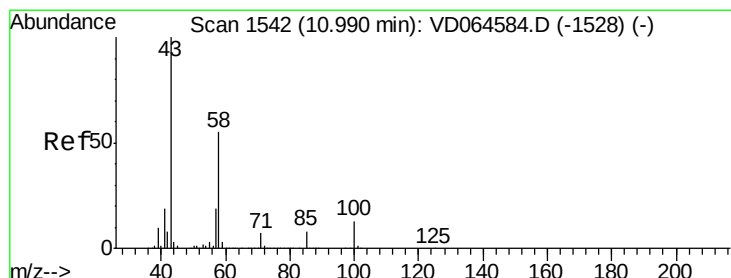
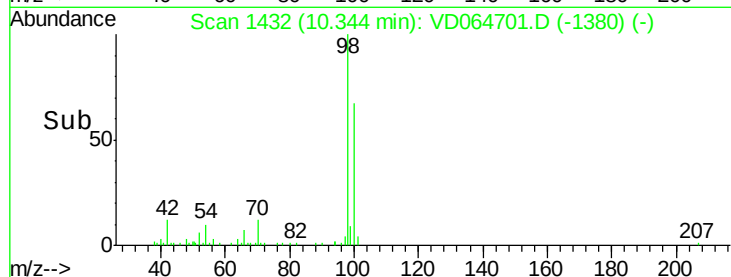
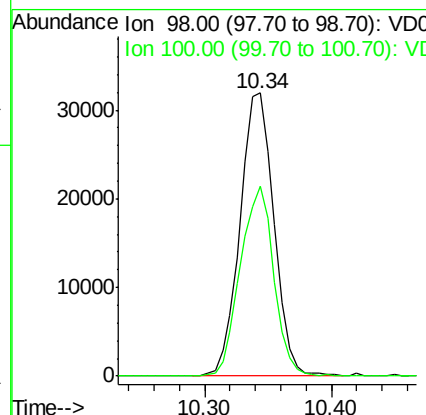
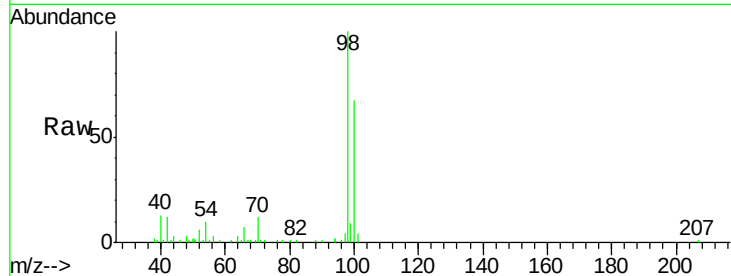




#50
Toluene-d8
Concen: 49.186 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064701.D
Acq: 31 Dec 2019 18:10

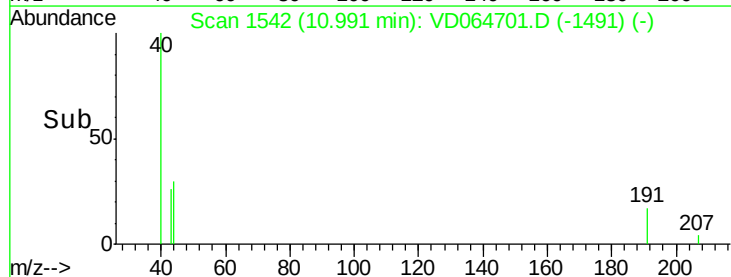
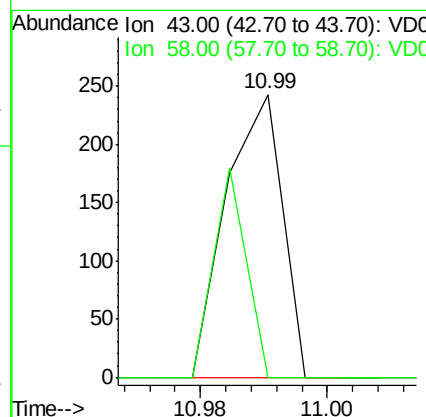
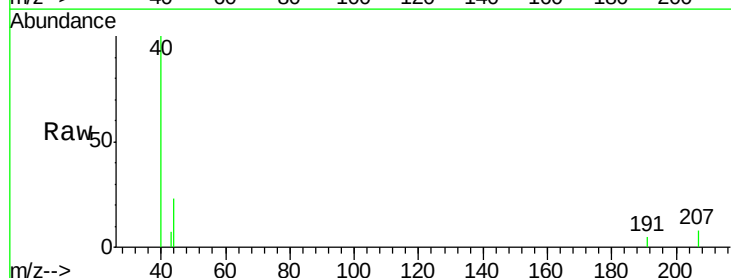
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GP-5C-(5-6)

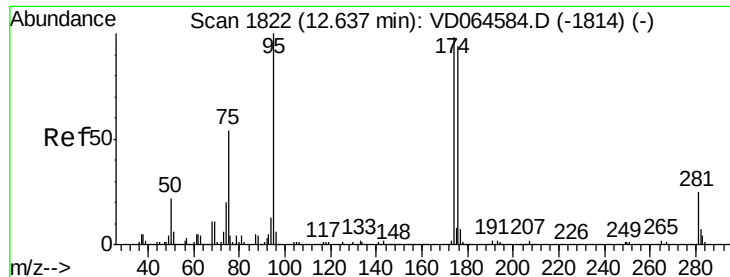
Tgt Ion: 98 Resp: 59292
Ion Ratio Lower Upper
98 100
100 66.0 51.7 77.5



#59
2-Hexanone
Concen: 1.135 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064701.D
Acq: 31 Dec 2019 18:10

Tgt Ion: 43 Resp: 147
Ion Ratio Lower Upper
43 100
58 43.5 26.4 79.0

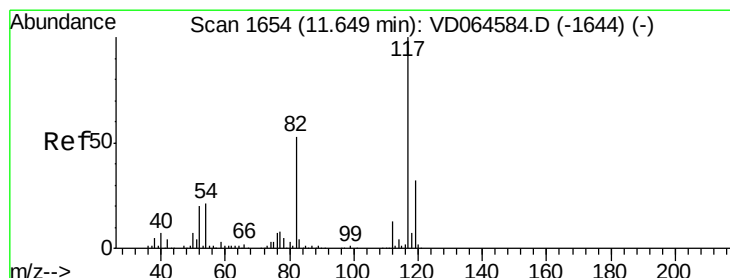
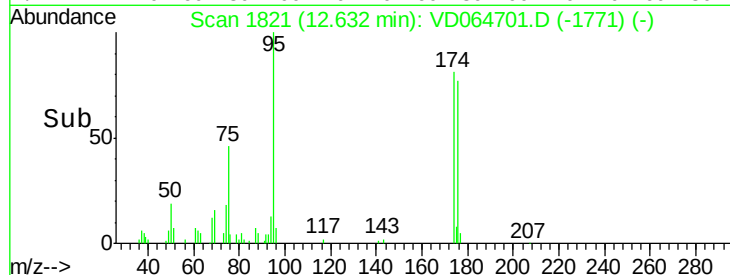
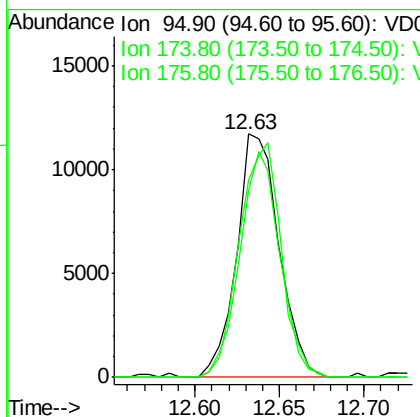
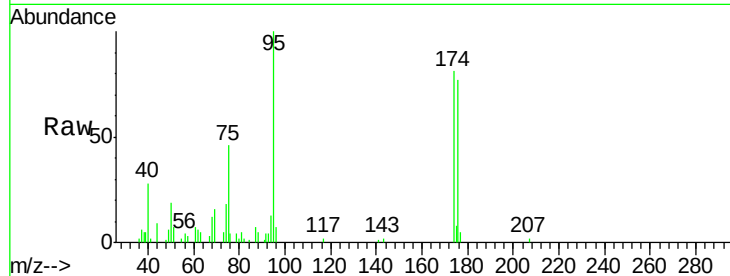




#62
4-Bromofluorobenzene
Concen: 53.520 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD064701.D
Acq: 31 Dec 2019 18:10

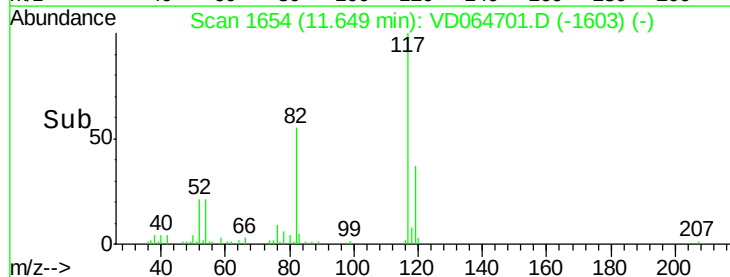
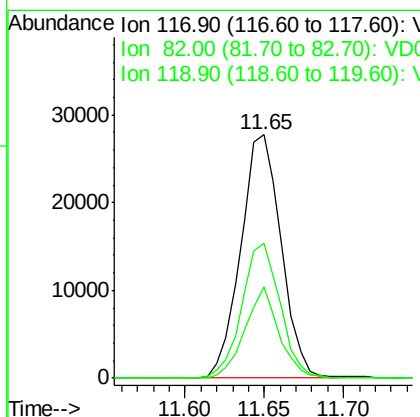
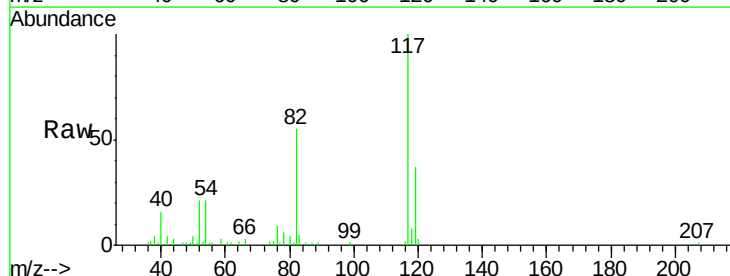
Instrument :
MSVOA_D
ClientSampleId :
GP-5C-(5-6)

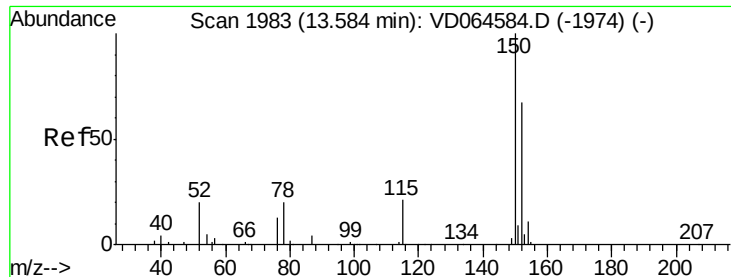
Tgt Ion: 95 Resp: 20401
Ion Ratio Lower Upper
95 100
174 95.1 0.0 193.2
176 87.8 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064701.D
Acq: 31 Dec 2019 18:10

Tgt Ion: 117 Resp: 49115
Ion Ratio Lower Upper
117 100
82 55.2 42.2 63.4
119 37.5 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064701.D

Acq: 31 Dec 2019 18:10

Instrument :

MSVOA_D

ClientSampleId :

GP-5C-(5-6)

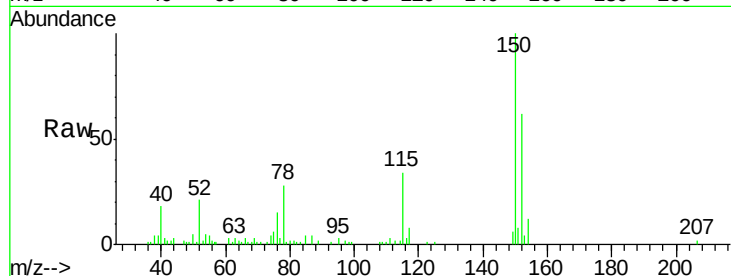
Tgt Ion:152 Resp: 24893

Ion Ratio Lower Upper

152 100

115 55.1 27.8 83.4

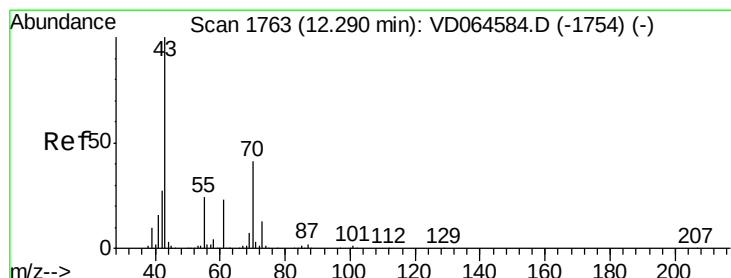
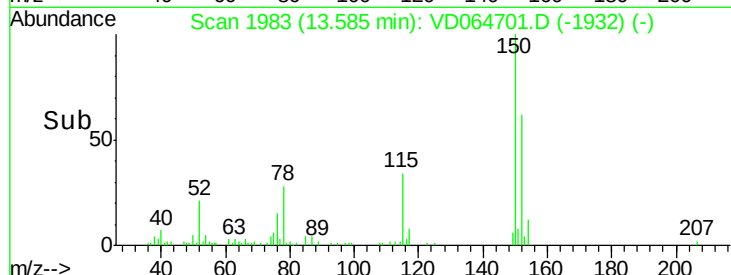
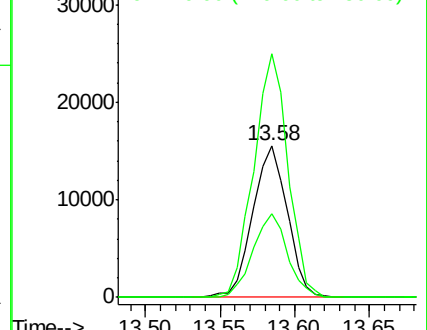
150 158.4 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 4.187 ug/l

RT: 12.27 min Scan# 1759

Delta R.T. -0.02 min

Lab File: VD064701.D

Acq: 31 Dec 2019 18:10

Tgt Ion: 43 Resp: 1592

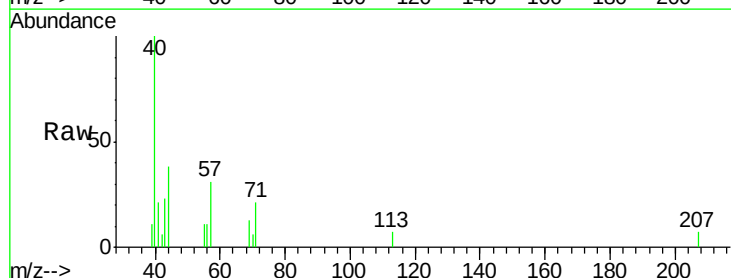
Ion Ratio Lower Upper

43 100

70 9.4 33.4 50.0#

55 0.0 19.4 29.0#

61 0.0 18.3 27.5#

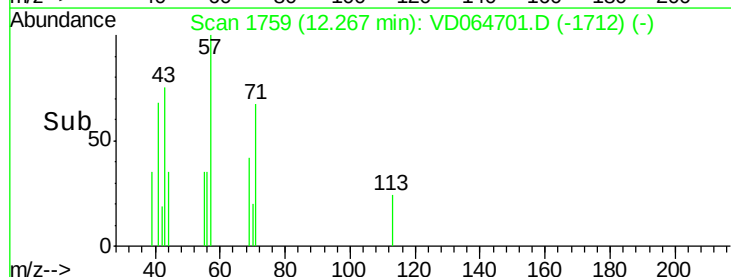
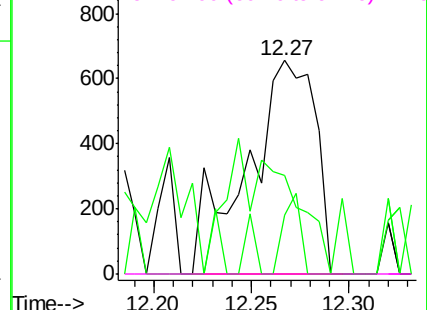


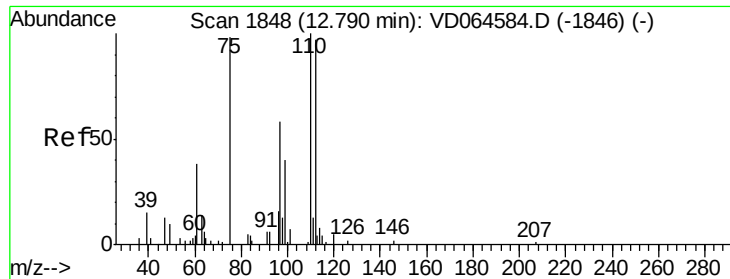
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 55.430 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064701.D

Acq: 31 Dec 2019 18:10

Instrument :

MSVOA_D

ClientSampleId :

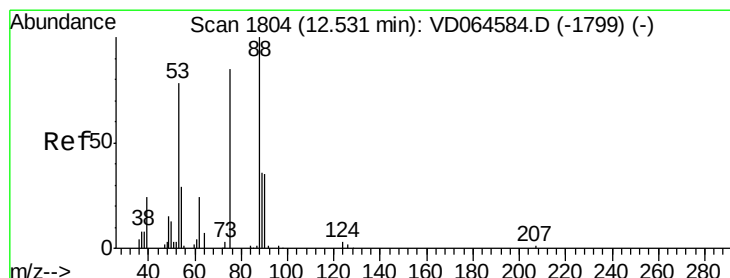
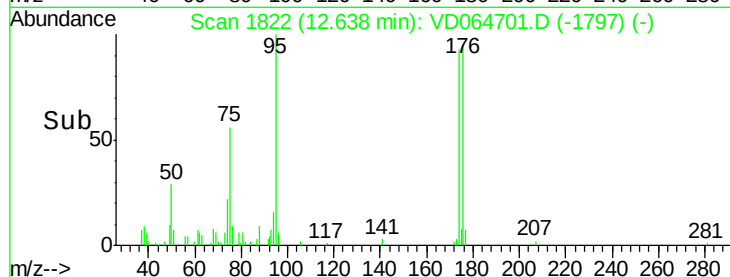
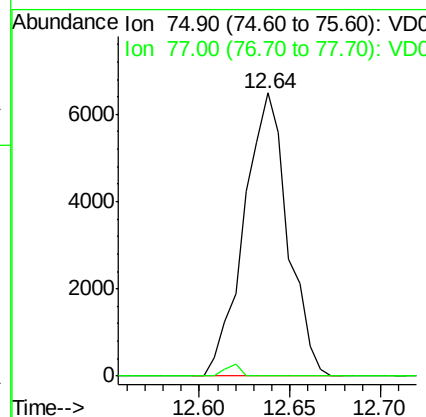
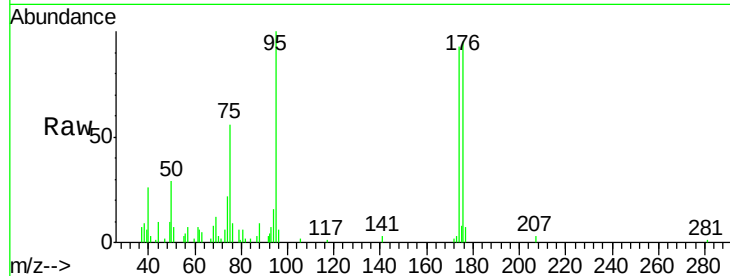
GP-5C-(5-6)

Tgt Ion: 75 Resp: 10896

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 115.931 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064701.D

Acq: 31 Dec 2019 18:10

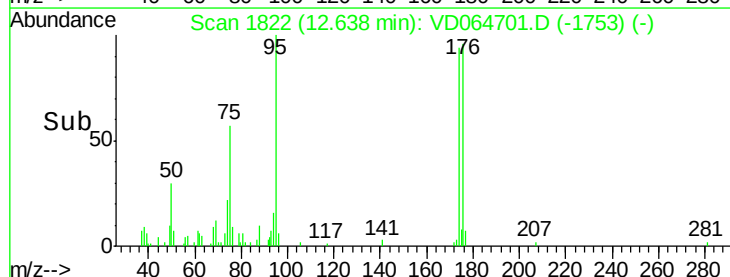
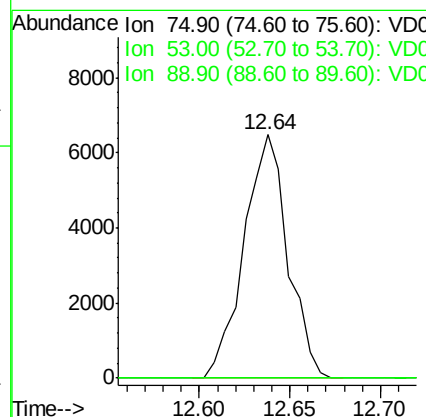
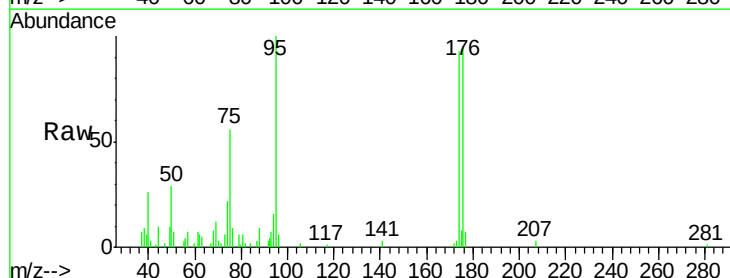
Tgt Ion: 75 Resp: 10896

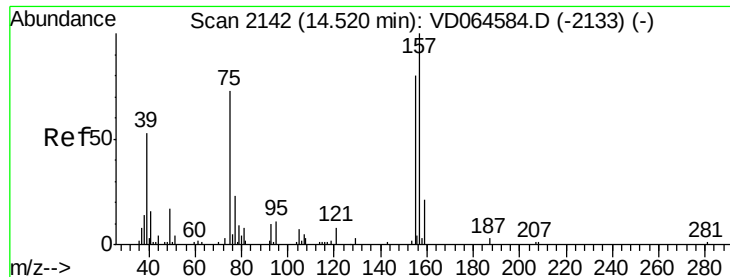
Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 38.3 57.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.347 ug/l

RT: 14.50 min Scan# 2138

Delta R.T. -0.02 min

Lab File: VD064701.D

Acq: 31 Dec 2019 18:10

Instrument :

MSVOA_D

ClientSampleId :

GP-5C-(5-6)

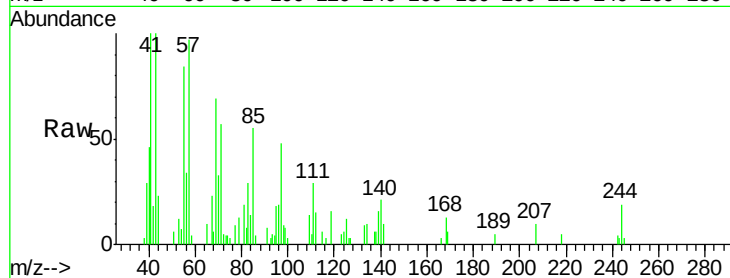
Tgt Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.0#

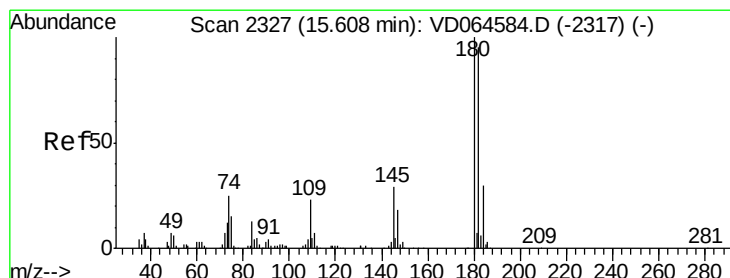
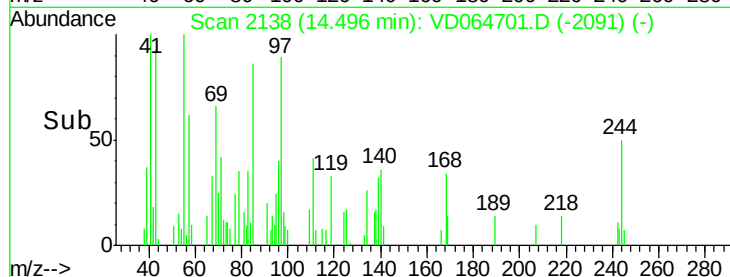
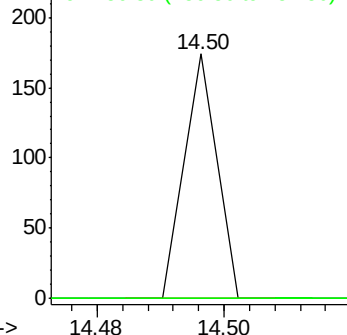
157 0.0 64.1 192.3#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#96

1,2,3-Trichlorobenzene

Concen: 2.069 ug/l

RT: 15.61 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VD064701.D

Acq: 31 Dec 2019 18:10

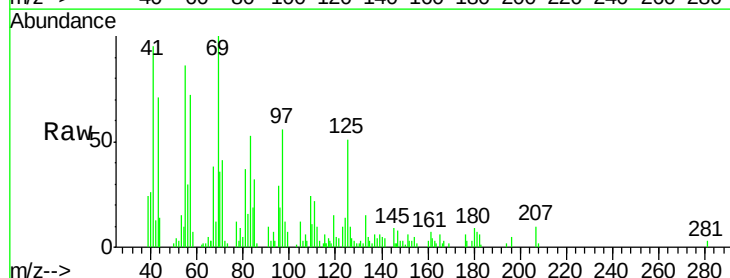
Tgt Ion: 180 Resp: 924

Ion Ratio Lower Upper

180 100

182 22.3 47.9 143.7#

145 0.0 14.9 44.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

