

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121319\
 Data File : VD064507.D
 Acq On : 13 Dec 2019 15:19
 Operator : VA/SY
 Sample : VD1213SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBL01

Quant Time: Dec 13 22:51:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	430137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	658203	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	629278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315483	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	190882	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	7.92	113	206235	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.34	98	785748	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.64	95	270428	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	

Target Compounds

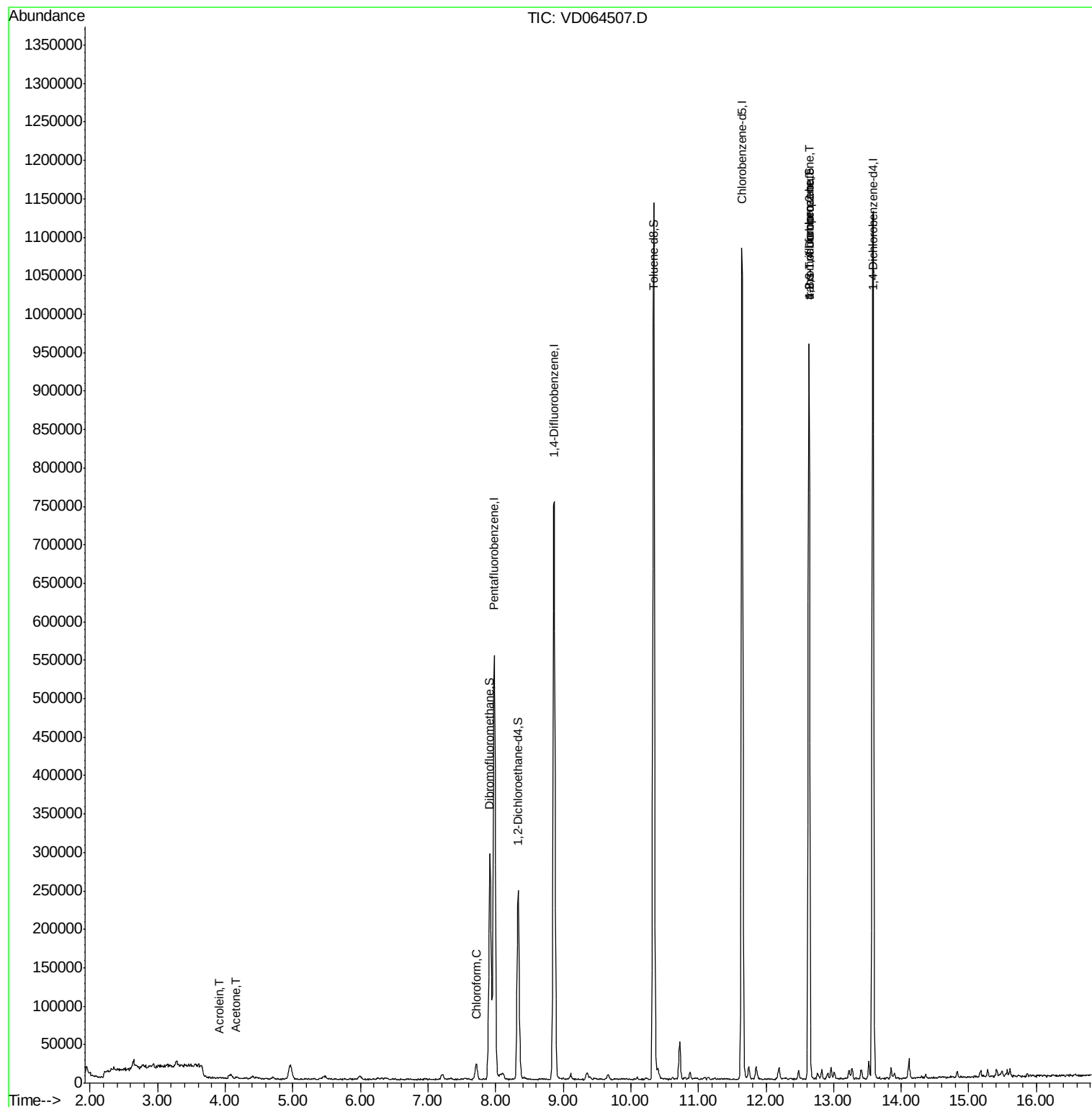
					Qvalue
13) Acrolein	3.92	56	493	1.458 ug/l	85
16) Acetone	4.16	43	1923	2.444 ug/l #	85
20) Methylene Chloride	4.96	84	14649	Below Cal	90
30) Chloroform	7.71	83	19786	2.660 ug/l	94
31) Cyclohexane	7.99	56	11600	Below Cal #	60
76) 1,2,3-Trichloropropane	12.63	75	146378	56.420 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	146378	123.025 ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.49	75	121	Below Cal #	1

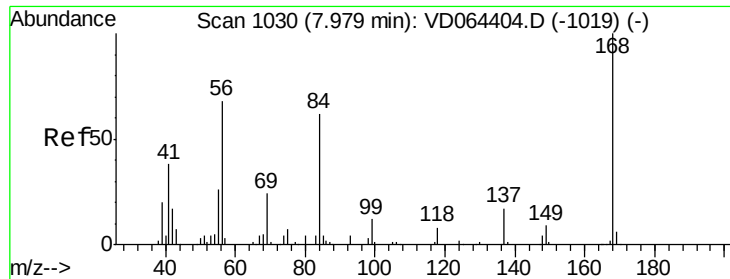
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121319\
Data File : VD064507.D
Acq On : 13 Dec 2019 15:19
Operator : VA/SY
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Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBL01

Quant Time: Dec 13 22:51:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064507.D

Acq: 13 Dec 2019 15:19

Instrument :

MSVOA_D

ClientSampleId :

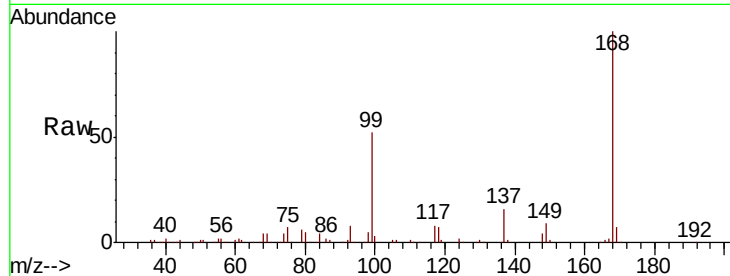
VD1213SBL01

Tgt Ion:168 Resp: 430137

Ion Ratio Lower Upper

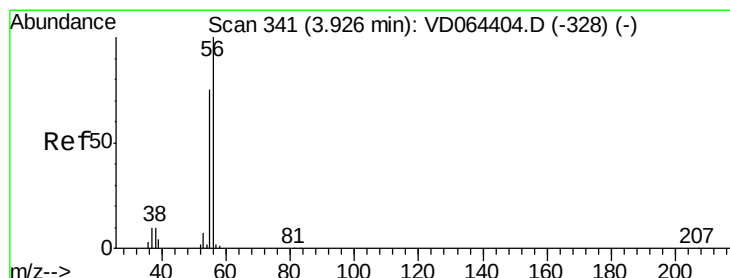
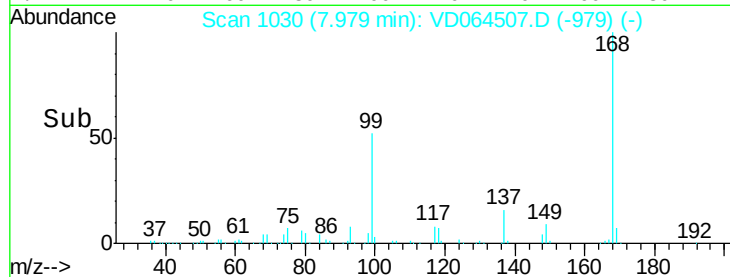
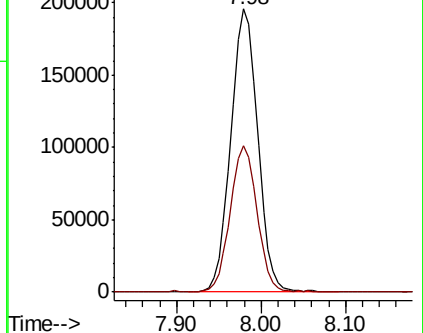
168 100

99 51.5 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: 1.458 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064507.D

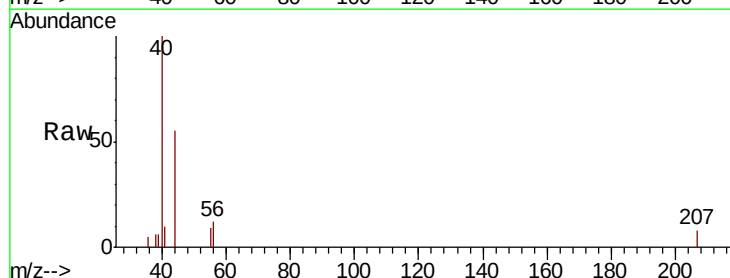
Acq: 13 Dec 2019 15:19

Tgt Ion: 56 Resp: 493

Ion Ratio Lower Upper

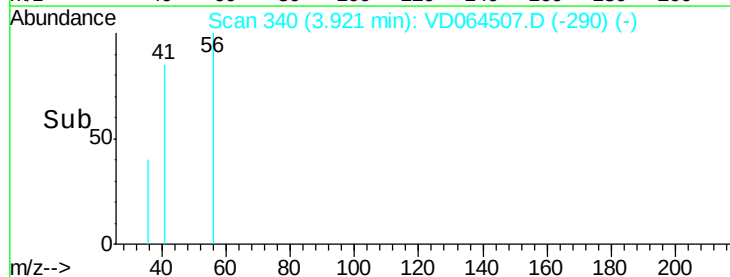
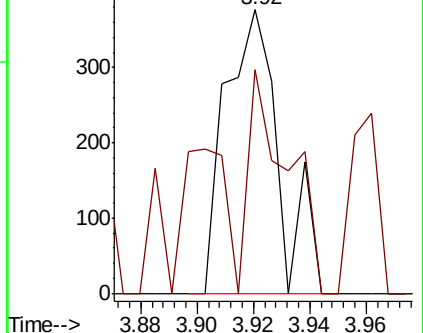
56 100

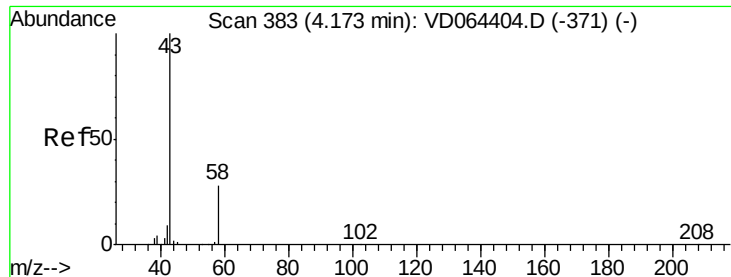
55 59.0 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 2.444 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.02 min

Lab File: VD064507.D

Acq: 13 Dec 2019 15:19

Instrument :

MSVOA_D

ClientSampleId :

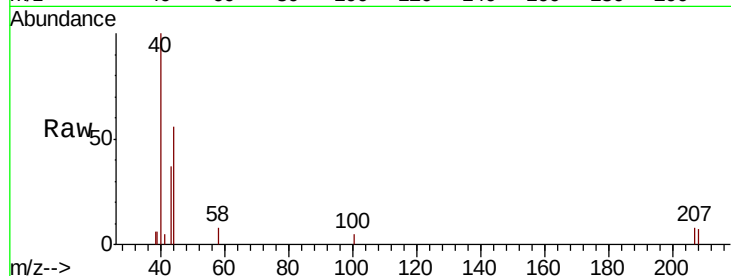
VD1213SBL01

Tgt Ion: 43 Resp: 1923

Ion Ratio Lower Upper

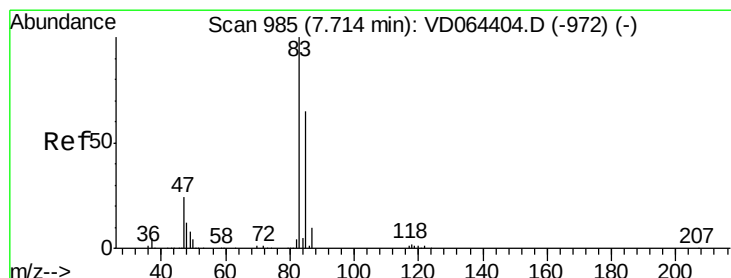
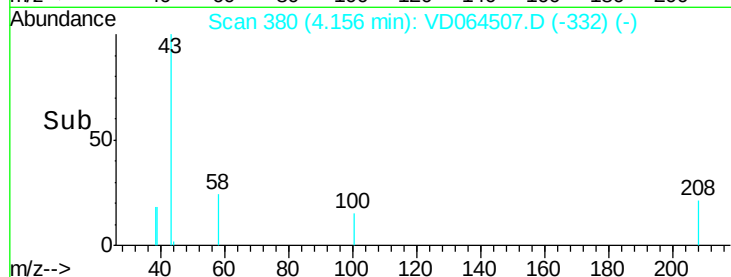
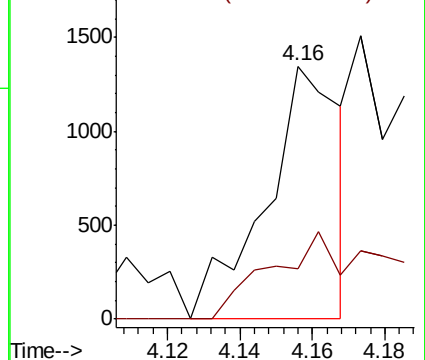
43 100

58 20.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#30

Chloroform

Concen: 2.660 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064507.D

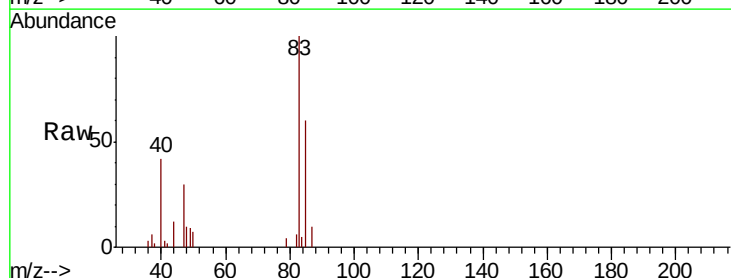
Acq: 13 Dec 2019 15:19

Tgt Ion: 83 Resp: 19786

Ion Ratio Lower Upper

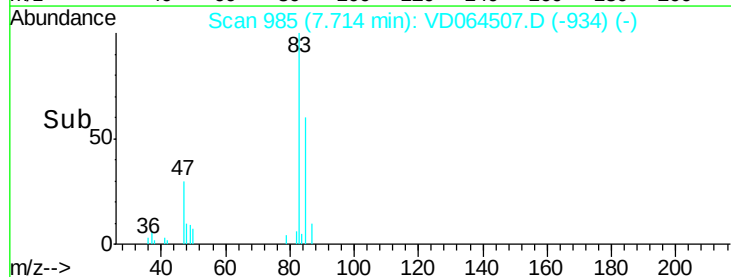
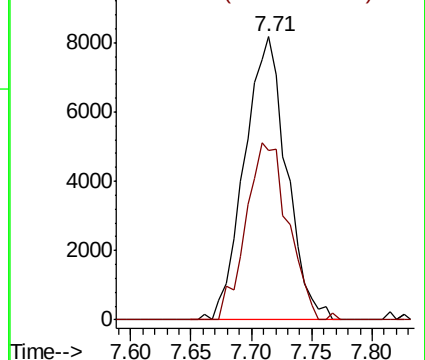
83 100

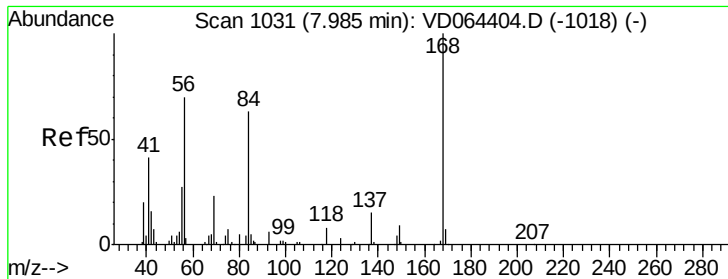
85 60.0 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

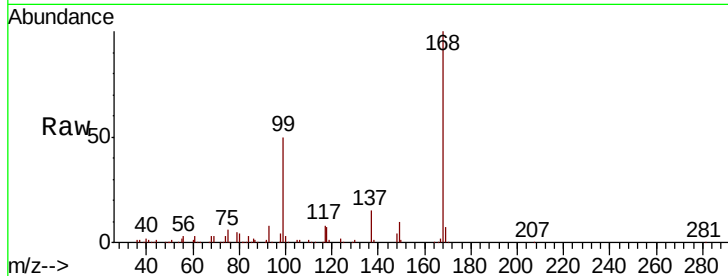




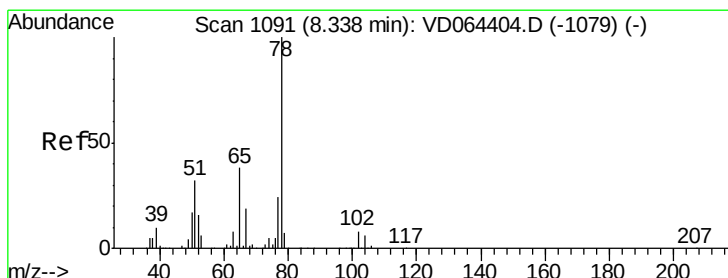
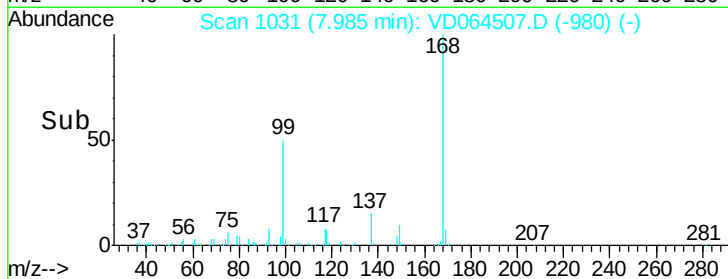
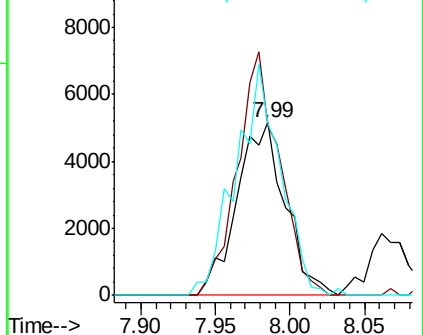
#31
Cyclohexane
Concen: Below Cal
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064507.D
Acq: 13 Dec 2019 15:19

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBL01

Tgt Ion: 56 Resp: 11600
Ion Ratio Lower Upper
56 100
69 97.5 26.2 39.4#
84 99.0 70.3 105.5

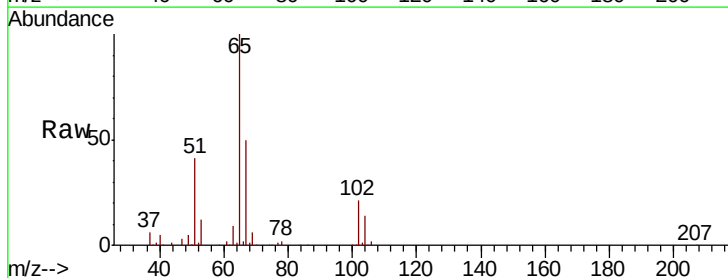


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

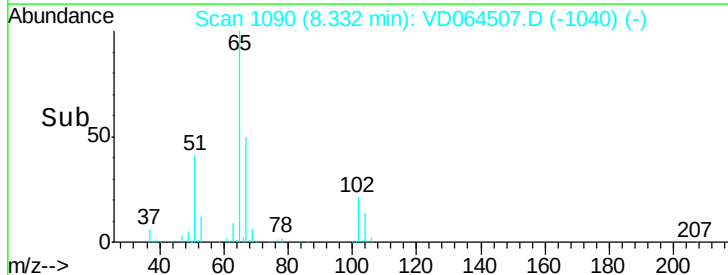
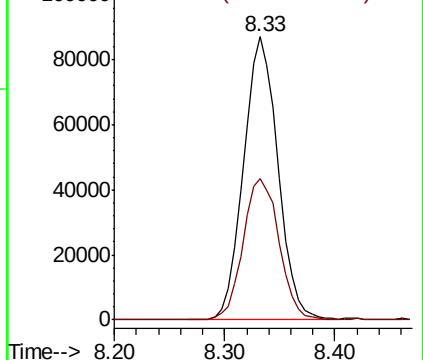


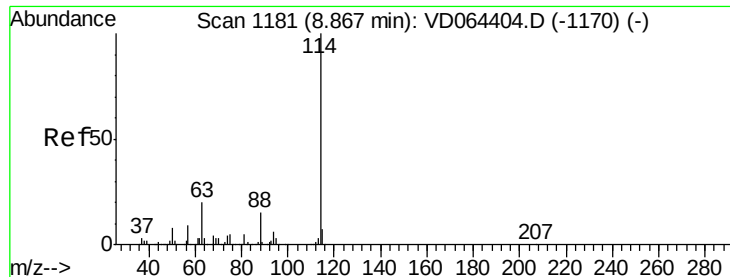
#33
1,2-Dichloroethane-d4
Concen: 49.027 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064507.D
Acq: 13 Dec 2019 15:19

Tgt Ion: 65 Resp: 190882
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064507.D

Acq: 13 Dec 2019 15:19

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBL01

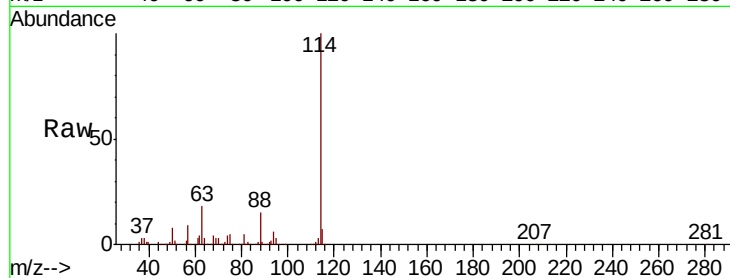
Tgt Ion:114 Resp: 658203

Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.0

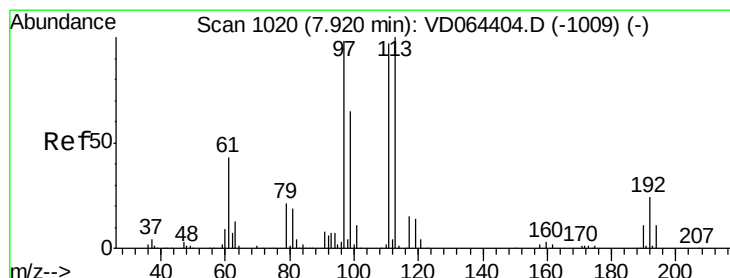
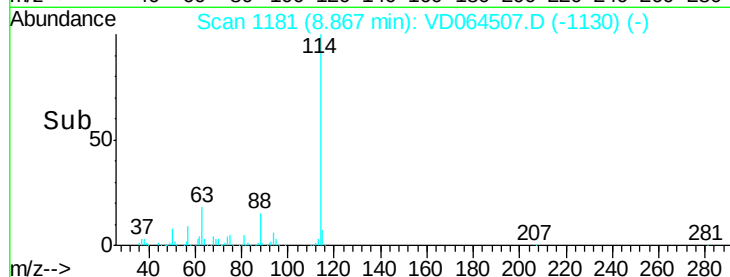
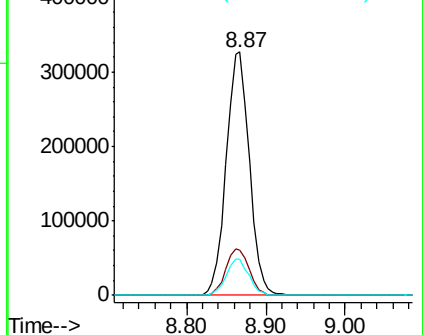
88 14.7 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 49.731 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064507.D

Acq: 13 Dec 2019 15:19

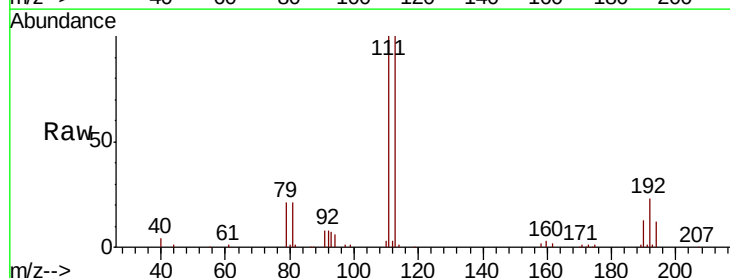
Tgt Ion:113 Resp: 206235

Ion Ratio Lower Upper

113 100

111 100.8 79.4 119.2

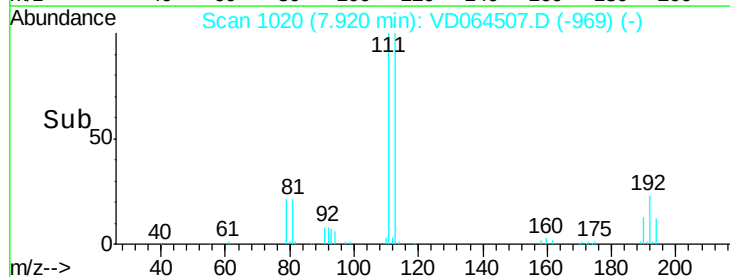
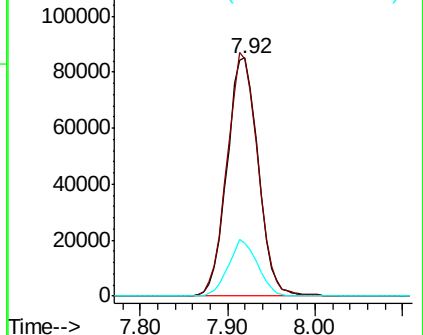
192 22.2 18.6 28.0

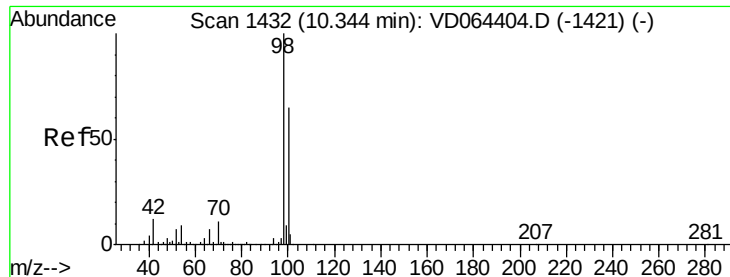


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.300 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064507.D

Acq: 13 Dec 2019 15:19

Instrument :

MSVOA_D

ClientSampleId :

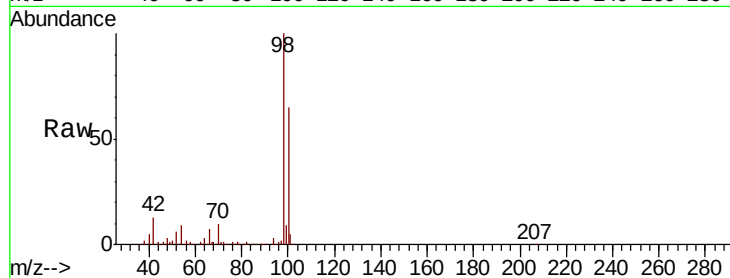
VD1213SBL01

Tgt Ion: 98 Resp: 785748

Ion Ratio Lower Upper

98 100

100 65.1 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

400000

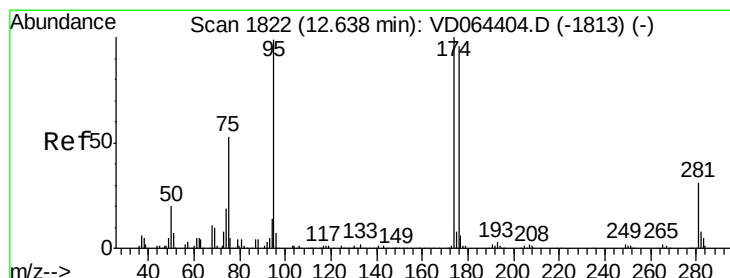
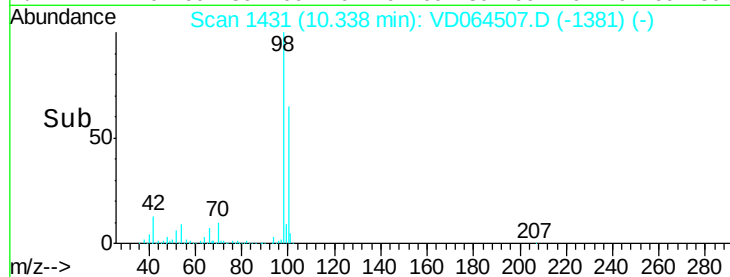
300000

200000

100000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 53.867 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064507.D

Acq: 13 Dec 2019 15:19

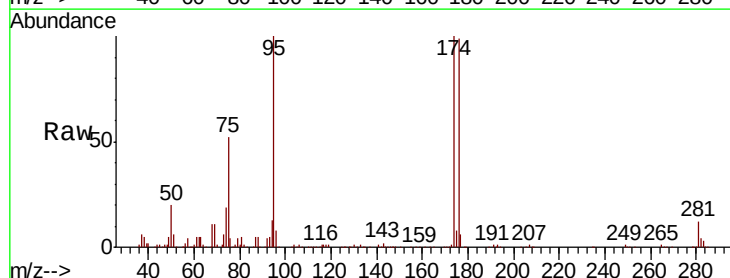
Tgt Ion: 95 Resp: 270428

Ion Ratio Lower Upper

95 100

174 96.8 0.0 197.2

176 94.8 0.0 189.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

12.64

200000

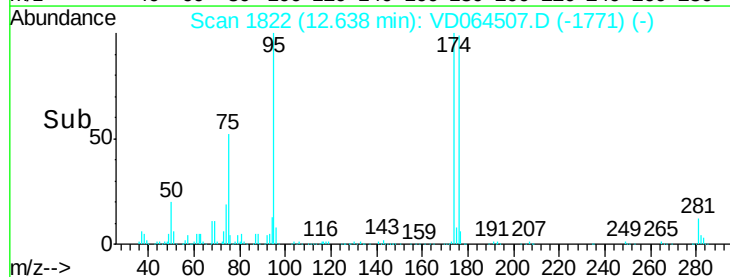
150000

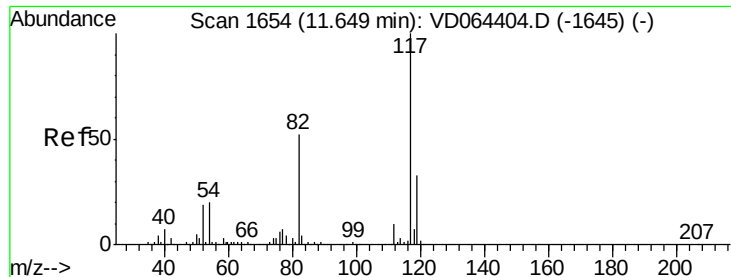
100000

50000

0

Time--> 12.60 12.70

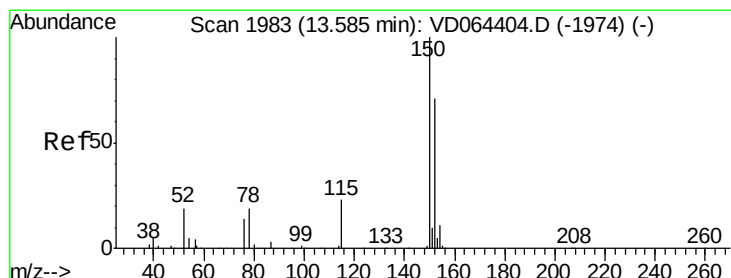
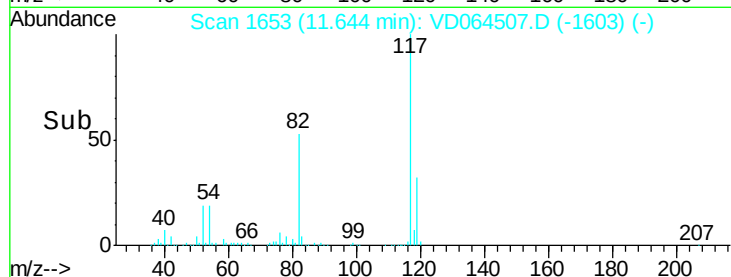
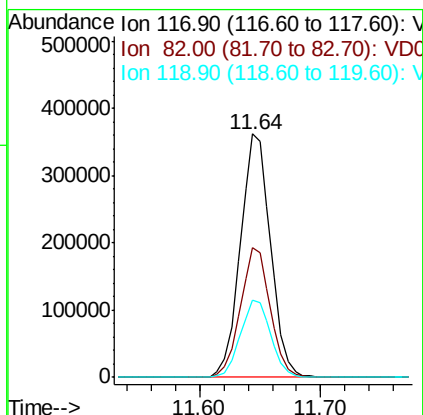
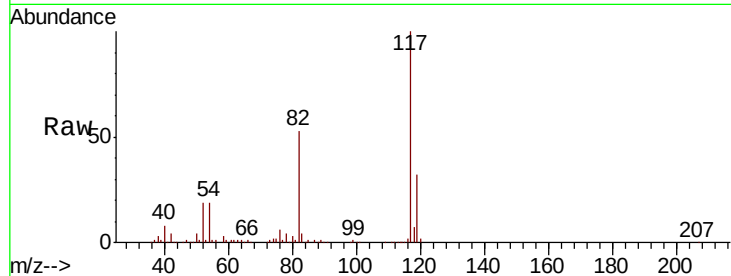




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064507.D
Acq: 13 Dec 2019 15:19

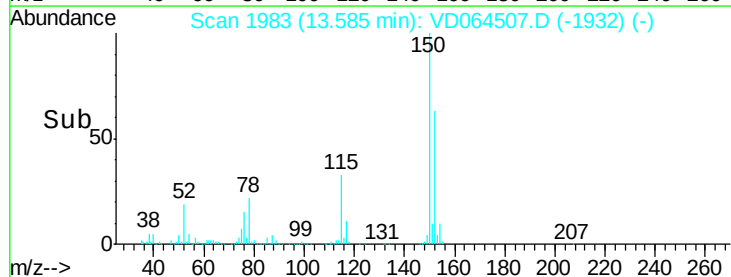
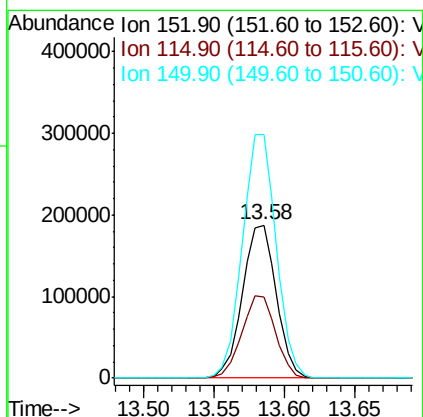
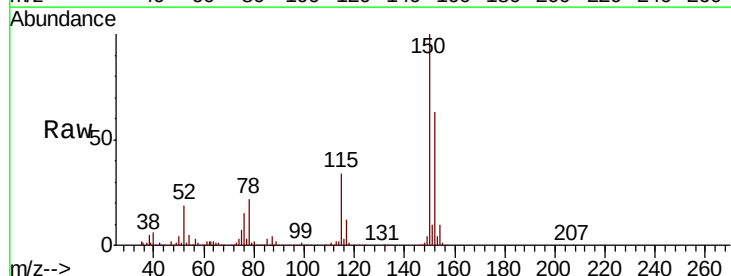
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBL01

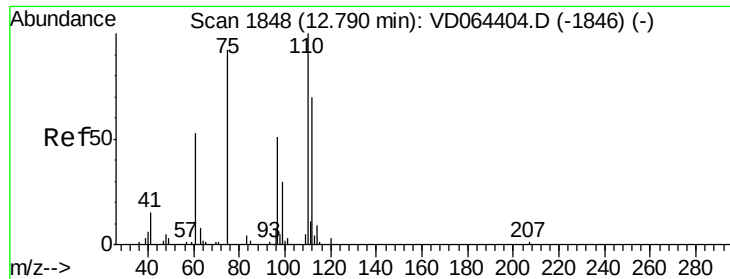
Tgt Ion:117 Resp: 629278
Ion Ratio Lower Upper
117 100
82 53.2 41.4 62.2
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064507.D
Acq: 13 Dec 2019 15:19

Tgt Ion:152 Resp: 315483
Ion Ratio Lower Upper
152 100
115 53.9 26.7 80.1
150 159.5 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 56.420 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.16 min

Lab File: VD064507.D

Acq: 13 Dec 2019 15:19

Instrument :

MSVOA_D

ClientSampleId :

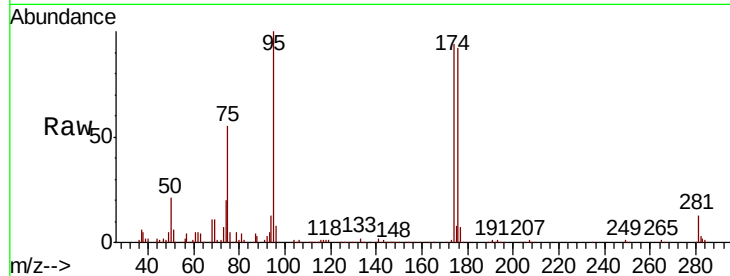
VD1213SBL01

Tgt Ion: 75 Resp: 146378

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

80000

60000

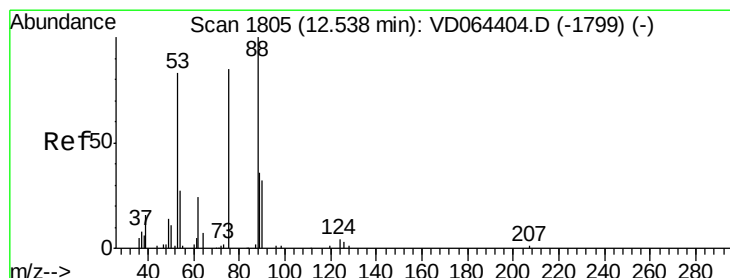
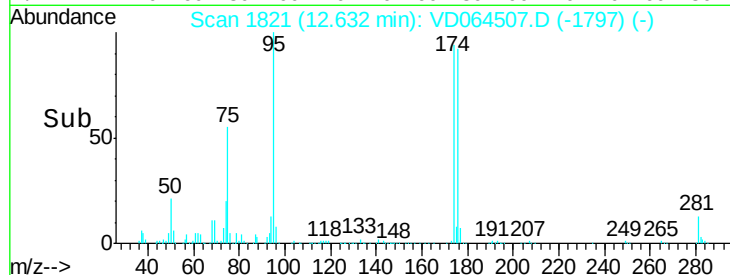
40000

20000

0

Time-->

12.60 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 123.025 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.09 min

Lab File: VD064507.D

Acq: 13 Dec 2019 15:19

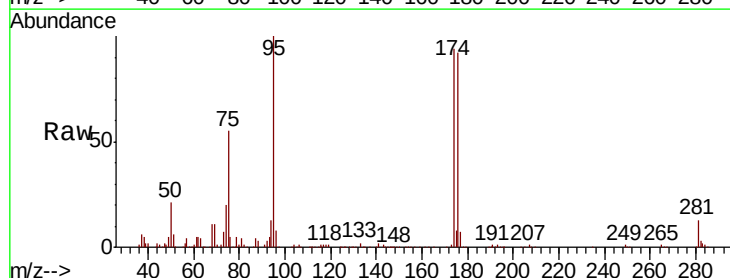
Tgt Ion: 75 Resp: 146378

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.1 38.5 57.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

12.63

100000

80000

60000

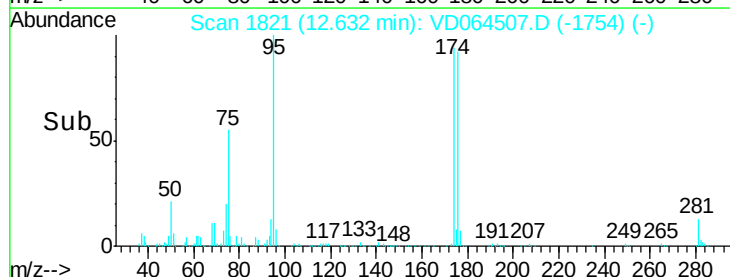
40000

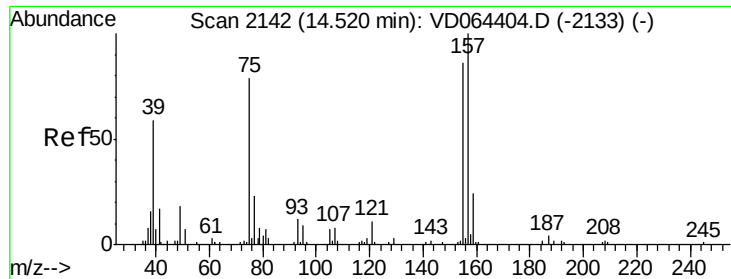
20000

0

Time-->

12.60 12.70





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.49 min Scan# 2137

Delta R.T. -0.03 min

Lab File: VD064507.D

Acq: 13 Dec 2019 15:19

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBL01

Tgt Ion: 75 Resp: 121

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

157 0.0 63.2 189.8#

