

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121719\
 Data File : VD064540.D
 Acq On : 17 Dec 2019 12:46
 Operator : VA/SY
 Sample : K6318-02
 Misc : 7.32G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 X089-SB-2

Quant Time: Dec 18 00:47:42 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

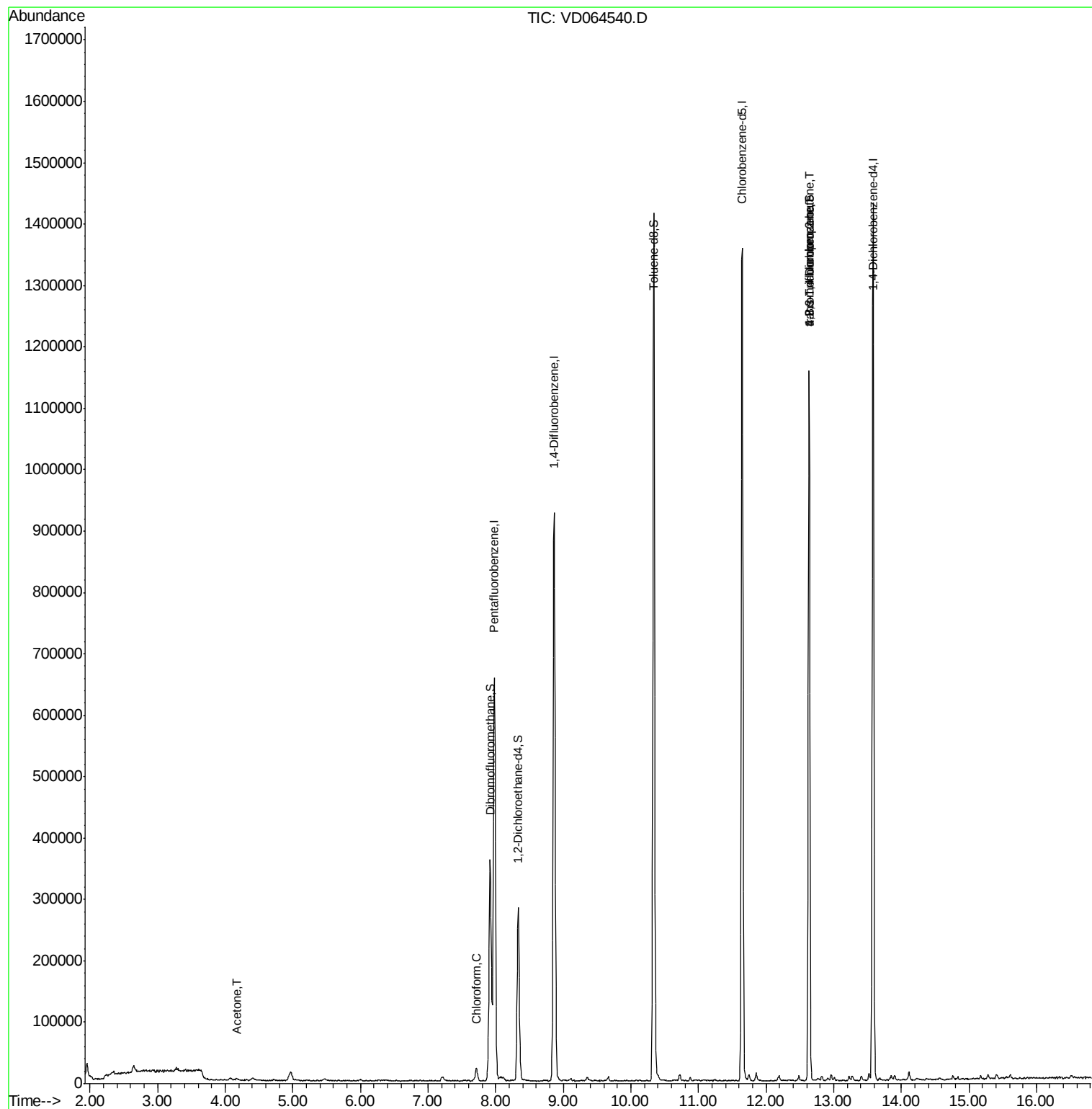
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	518516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	813299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	794533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	389552	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	227135	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	7.91	113	249195	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
50) Toluene-d8	10.34	98	978981	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.64	95	342431	55.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.40%	
Target Compounds						
16) Acetone	4.17	43	4999	5.271	ug/l #	56
20) Methylene Chloride	4.96	84	11154	Below Cal		87
30) Chloroform	7.71	83	19401	2.163	ug/l	95
31) Cyclohexane	7.98	56	12766	Below Cal	#	41
76) 1,2,3-Trichloropropane	12.64	75	179970	56.178	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	179970	122.498	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.50	75	56	Below Cal	#	1

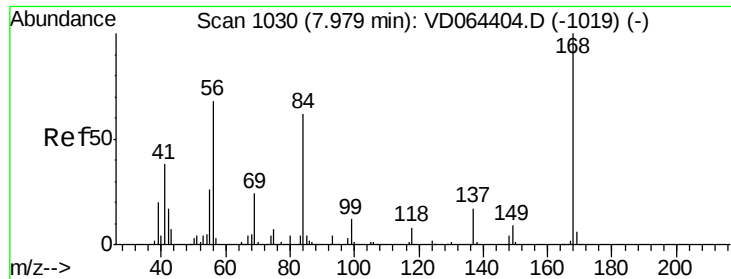
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064540.D

Acq: 17 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

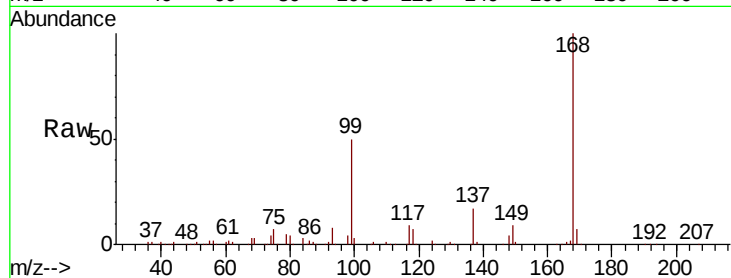
X089-SB-2

Tgt Ion:168 Resp: 518516

Ion Ratio Lower Upper

168 100

99 50.2 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

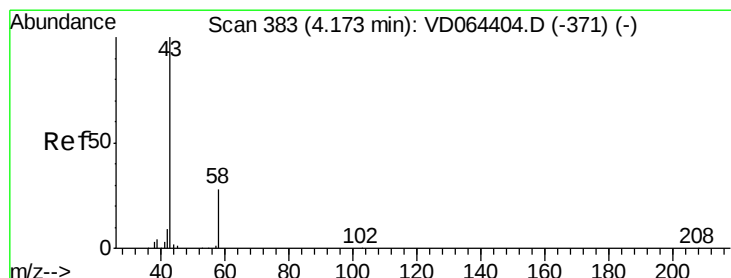
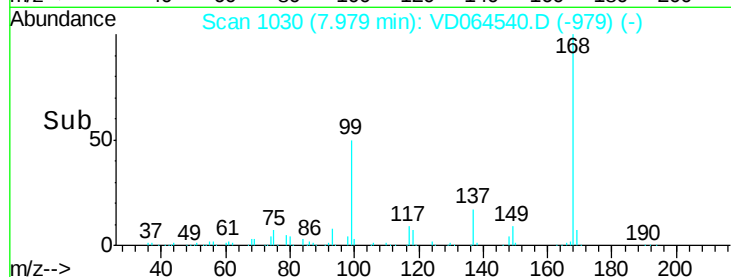
100000

50000

0

Time-->

7.90 8.00 8.10



#16

Acetone

Concen: 5.271 ug/l

RT: 4.17 min Scan# 383

Delta R.T. -0.00 min

Lab File: VD064540.D

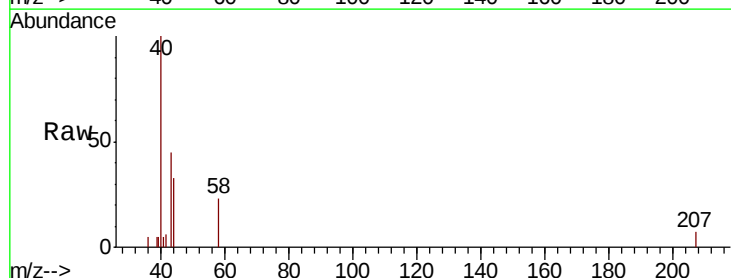
Acq: 17 Dec 2019 12:46

Tgt Ion: 43 Resp: 4999

Ion Ratio Lower Upper

43 100

58 51.7 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

1500

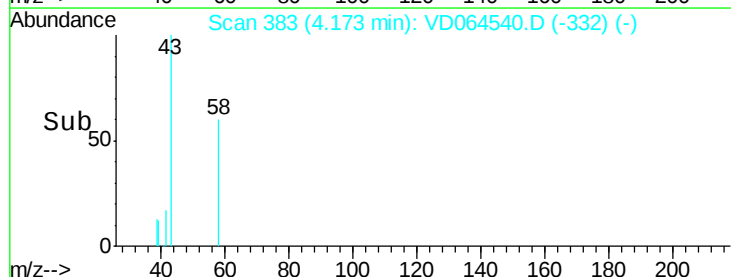
1000

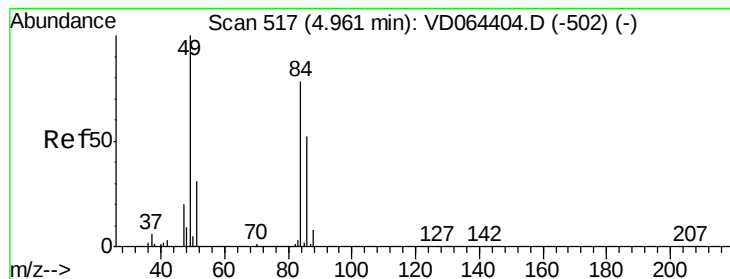
500

0

Time-->

4.10 4.15 4.20 4.25





#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064540.D

Acq: 17 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

X089-SB-2

Tgt Ion: 84 Resp: 11154

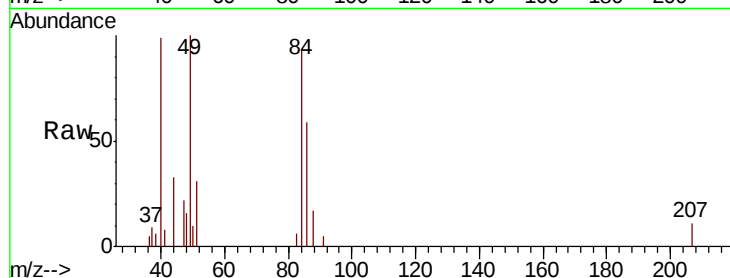
Ion Ratio Lower Upper

84 100

49 107.5 102.6 153.8

51 32.9 32.0 48.0

86 63.6 53.4 80.0

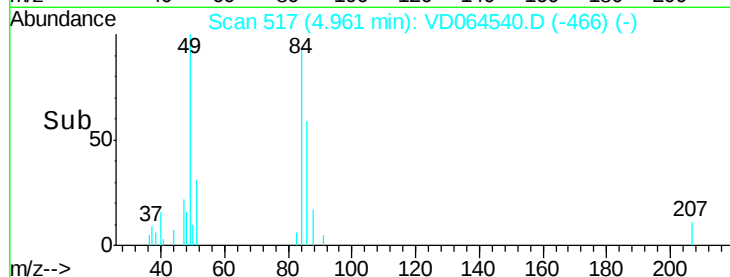
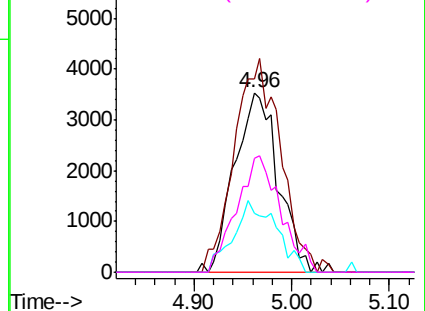


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#30

Chloroform

Concen: 2.163 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064540.D

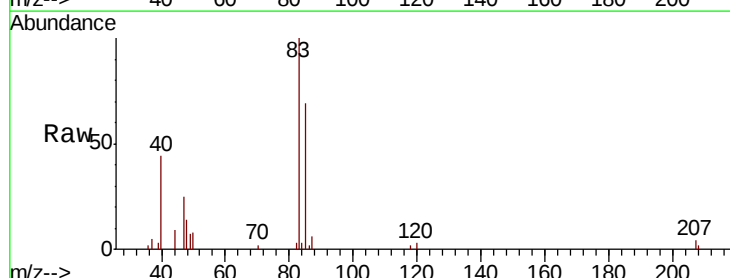
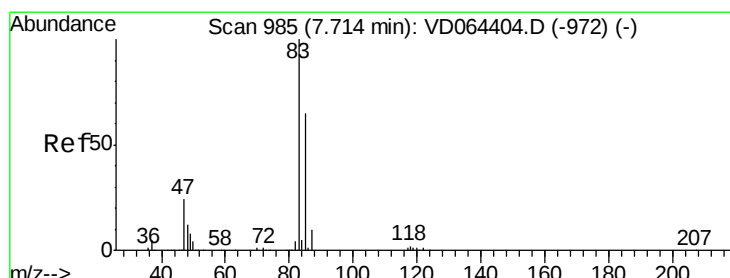
Acq: 17 Dec 2019 12:46

Tgt Ion: 83 Resp: 19401

Ion Ratio Lower Upper

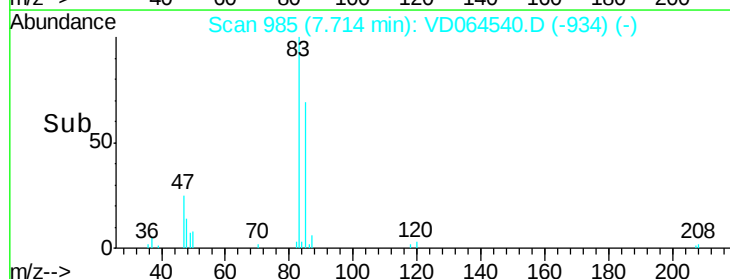
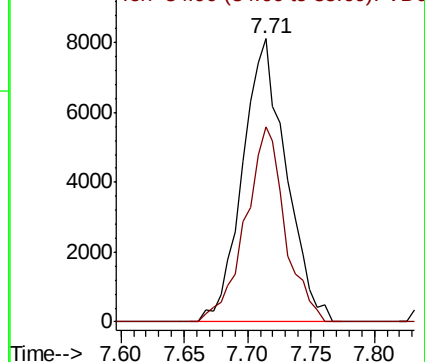
83 100

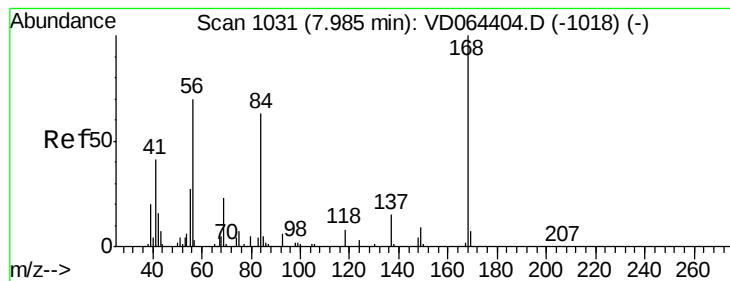
85 68.9 51.8 77.6



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: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064540.D

Acq: 17 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

X089-SB-2

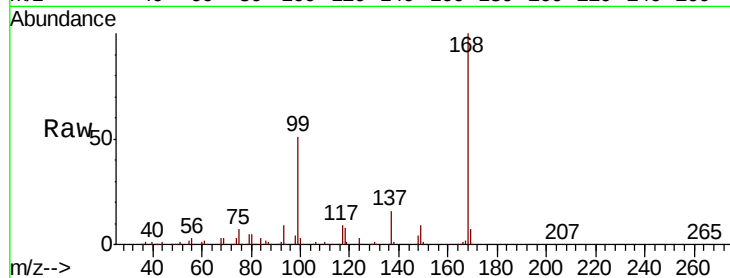
Tgt Ion: 56 Resp: 12766

Ion Ratio Lower Upper

56 100

69 136.7 26.2 39.4#

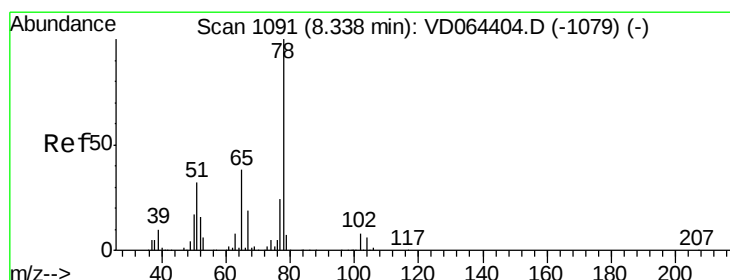
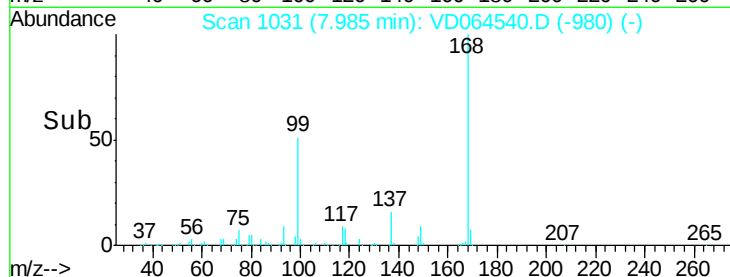
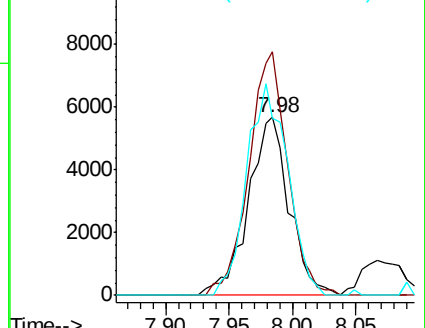
84 99.3 70.3 105.5



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: 48.395 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064540.D

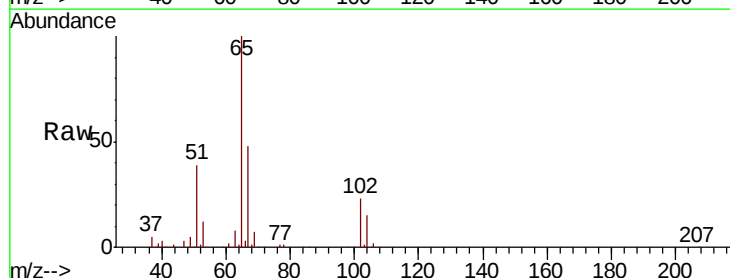
Acq: 17 Dec 2019 12:46

Tgt Ion: 65 Resp: 227135

Ion Ratio Lower Upper

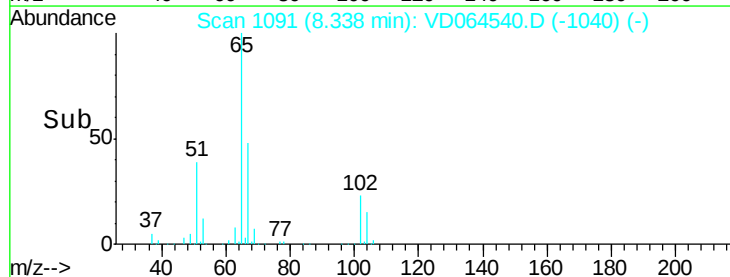
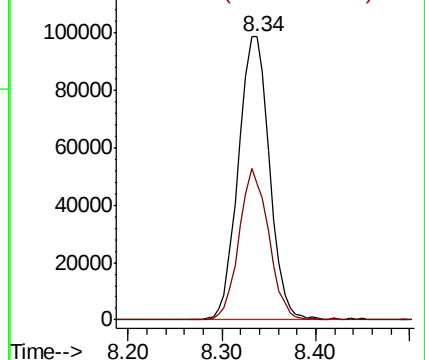
65 100

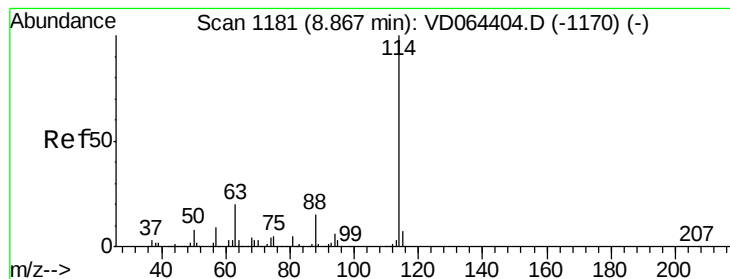
67 51.0 0.0 102.0



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: VD064540.D

Acq: 17 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

X089-SB-2

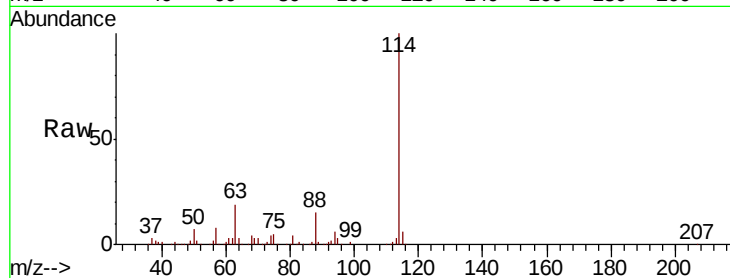
Tgt Ion:114 Resp: 813299

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

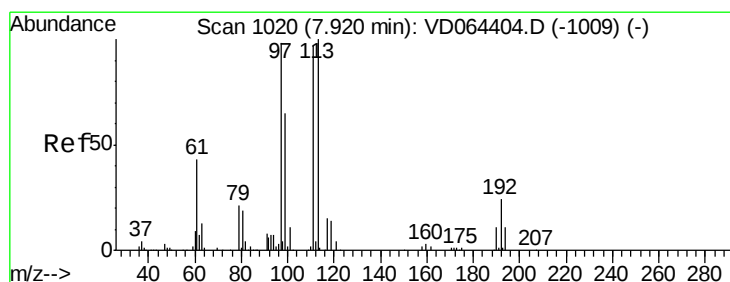
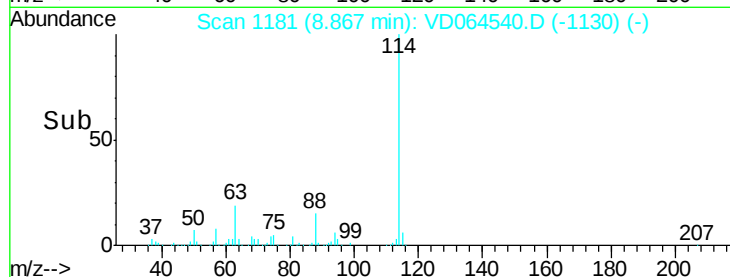
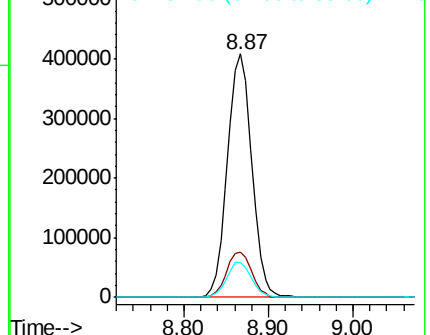
88 14.5 0.0 29.2



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: 48.631 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064540.D

Acq: 17 Dec 2019 12:46

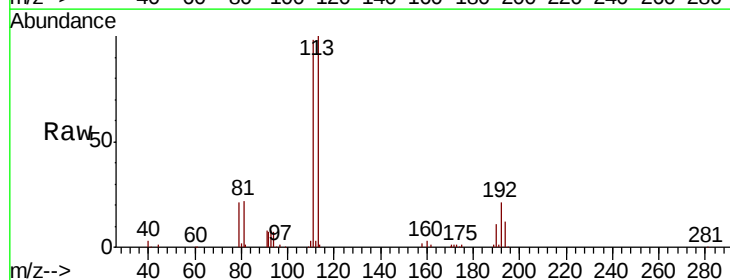
Tgt Ion:113 Resp: 249195

Ion Ratio Lower Upper

113 100

111 103.3 79.4 119.2

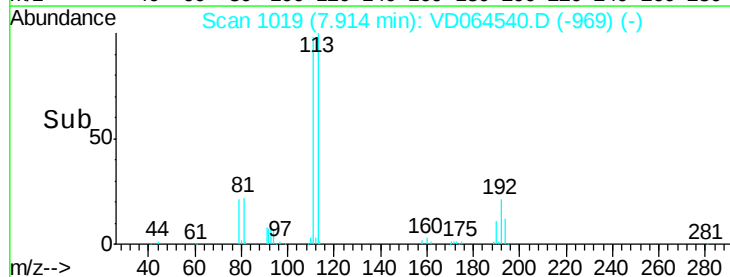
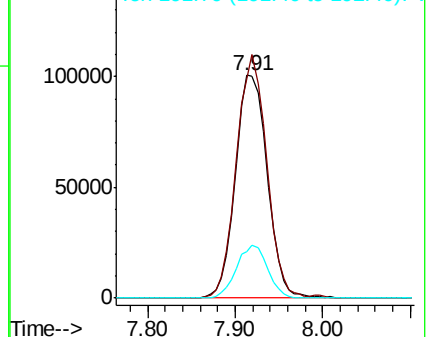
192 23.2 18.6 28.0

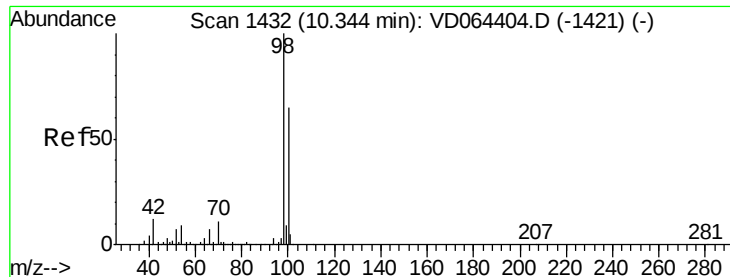


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.718 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064540.D

Acq: 17 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

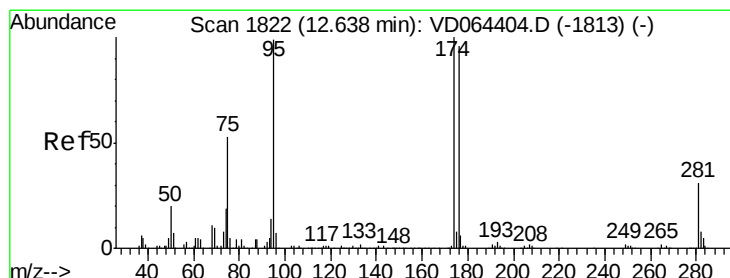
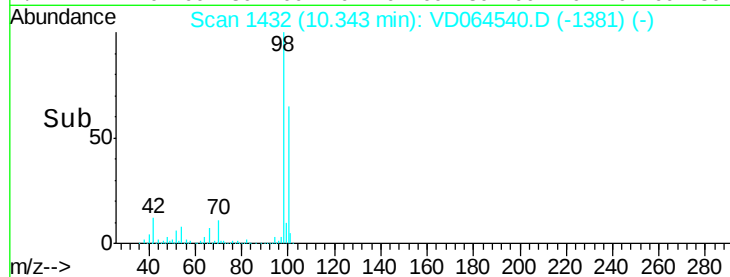
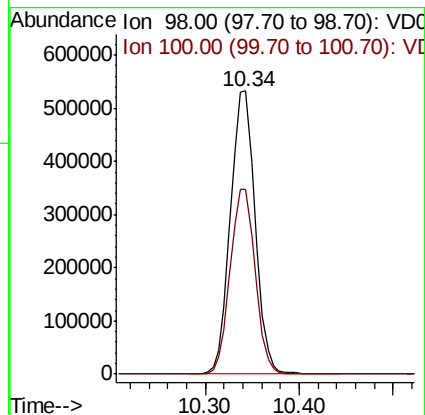
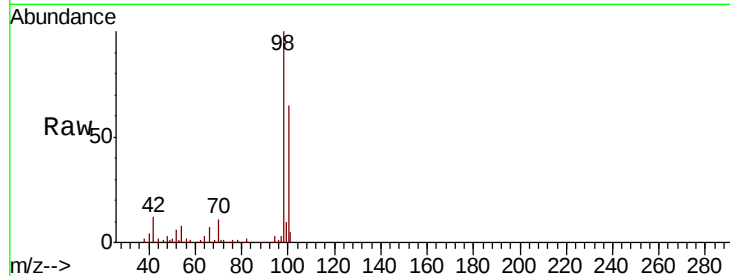
X089-SB-2

Tgt Ion: 98 Resp: 978981

Ion Ratio Lower Upper

98 100

100 66.1 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 55.202 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064540.D

Acq: 17 Dec 2019 12:46

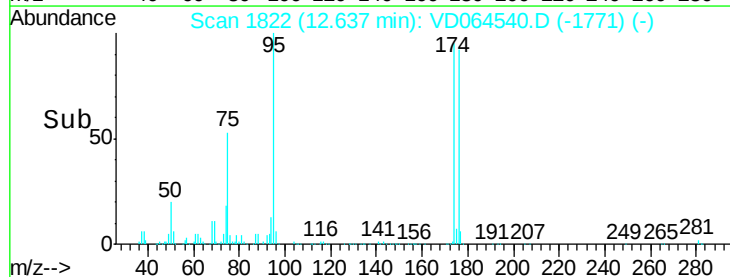
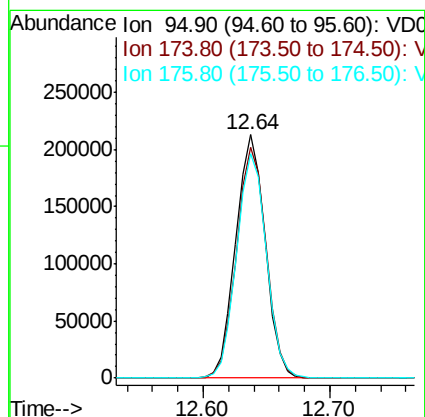
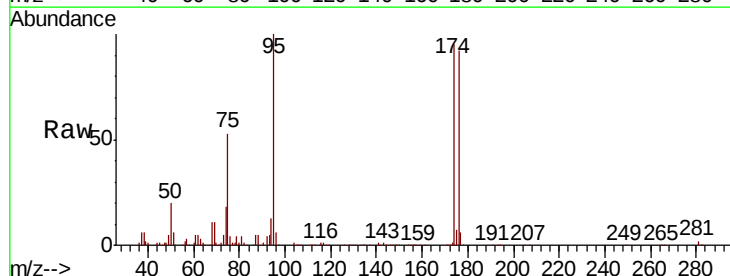
Tgt Ion: 95 Resp: 342431

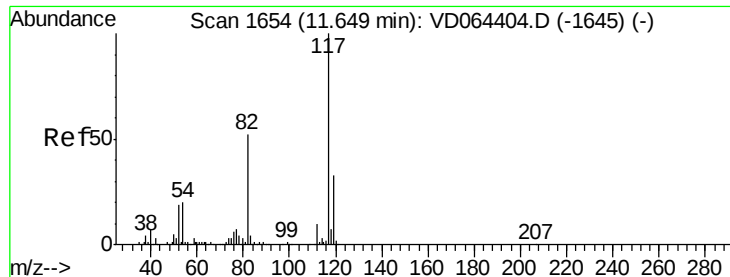
Ion Ratio Lower Upper

95 100

174 95.8 0.0 197.2

176 93.0 0.0 189.6

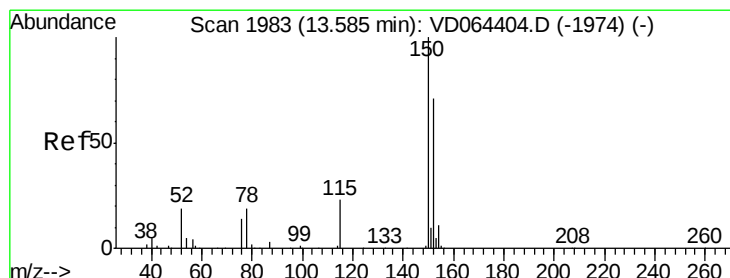
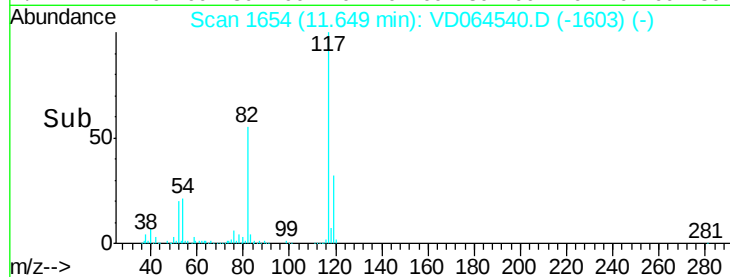
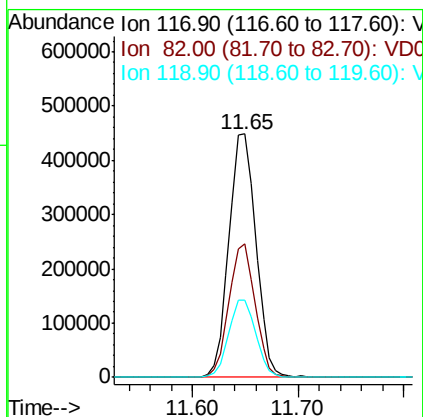
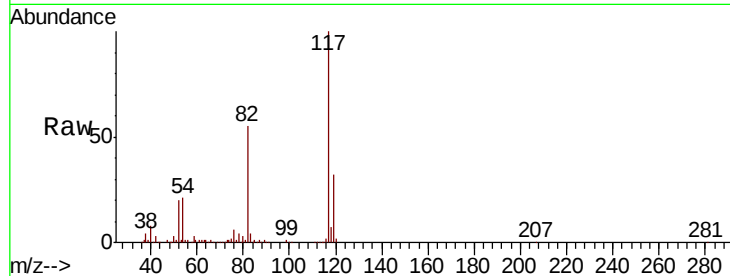




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064540.D
Acq: 17 Dec 2019 12:46

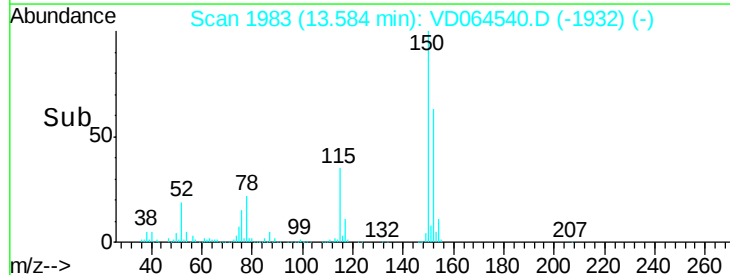
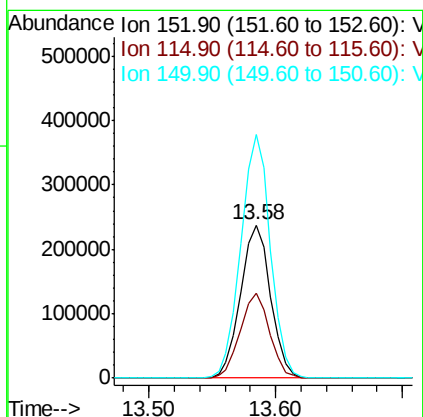
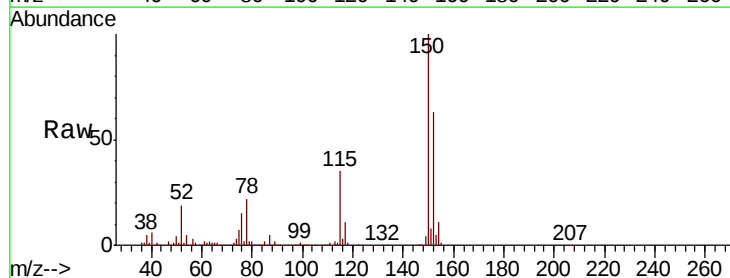
Instrument :
MSVOA_D
ClientSampleId :
X089-SB-2

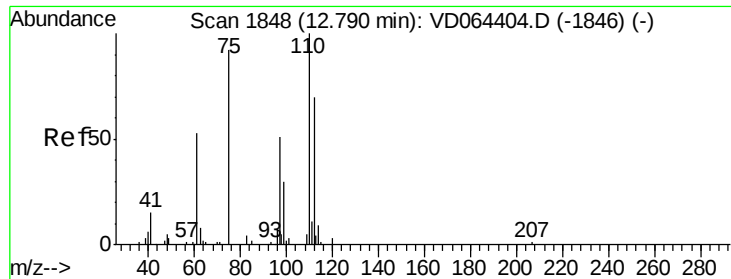
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.7	41.4	62.2
119	31.8	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064540.D
Acq: 17 Dec 2019 12:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	26.7	80.1
150	156.8	0.0	347.2





#76

1,2,3-Trichloropropane

Concen: 56.178 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064540.D

Acq: 17 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

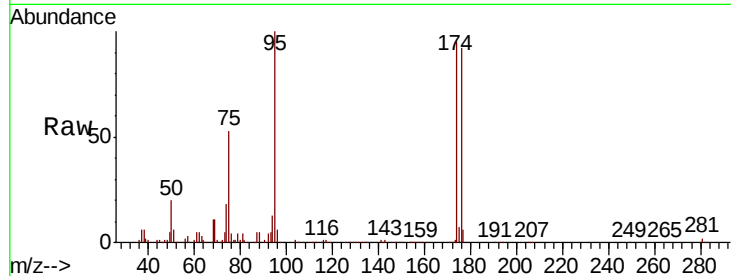
X089-SB-2

Tgt Ion: 75 Resp: 179970

Ion Ratio Lower Upper

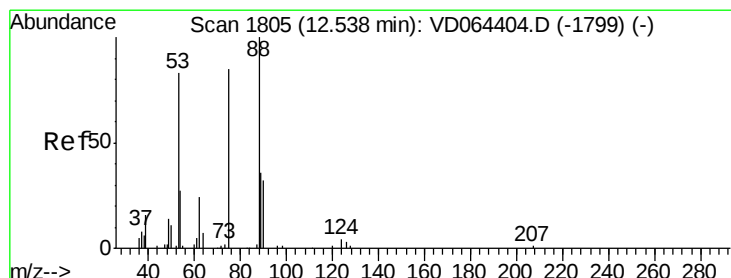
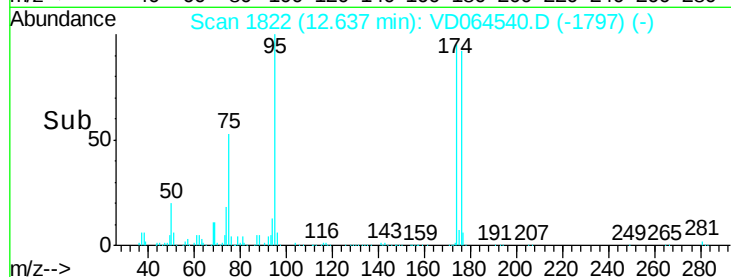
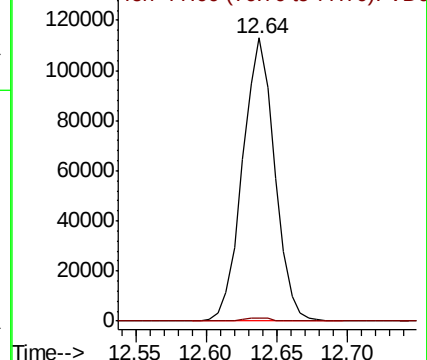
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 122.498 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064540.D

Acq: 17 Dec 2019 12:46

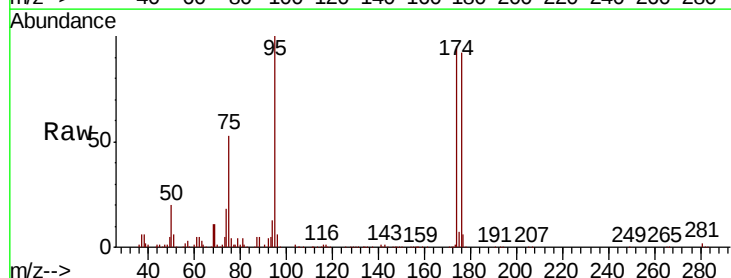
Tgt Ion: 75 Resp: 179970

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

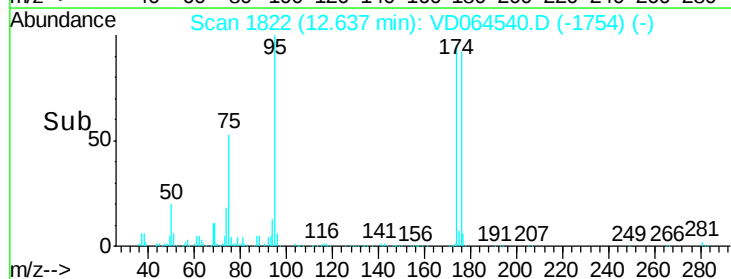
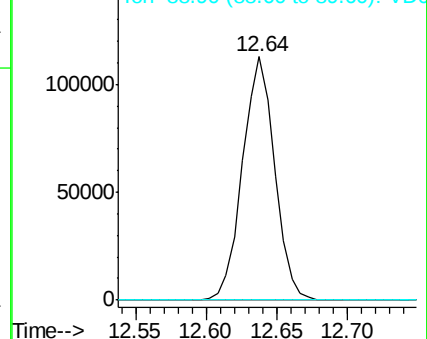
89 0.1 38.5 57.7#

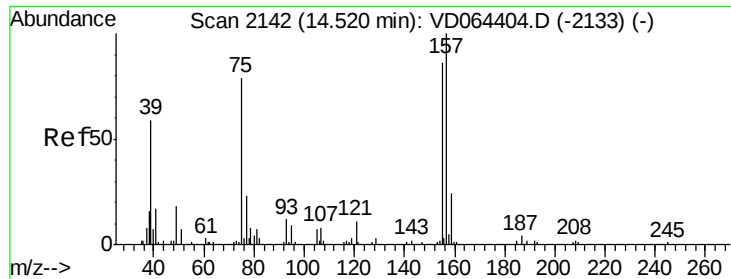


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.50 min Scan# 2138

Delta R.T. -0.02 min

Lab File: VD064540.D

Acq: 17 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

X089-SB-2

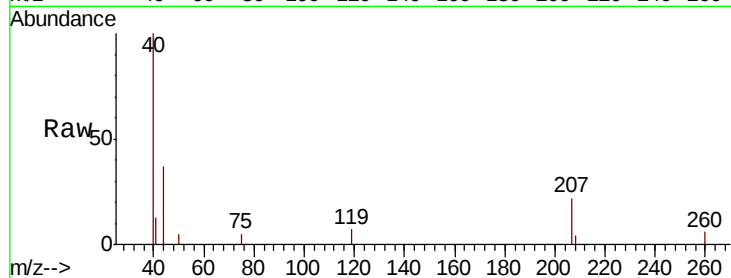
Tgt Ion: 75 Resp: 56

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

157 0.0 63.2 189.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

