

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD022820\
 Data File : VD065358.D
 Acq On : 28 Feb 2020 14:53
 Operator : VA/SY
 Sample : L1740-04
 Misc : 8.28G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-09-022720

Quant Time: Feb 28 15:36:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

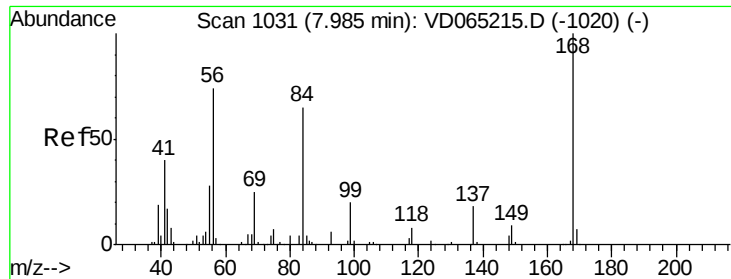
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	586190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	978113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	879254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	399078	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	297115	56.34	ug/l	0.00
Spiked Amount			Recovery	=	112.68%	
35) Dibromofluoromethane	7.92	113	313967	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
50) Toluene-d8	10.34	98	1180500	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.64	95	353245	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.67	56	55	Below Cal	#	14
16) Acetone	4.16	43	1294	1.00	ug/l	88
20) Methylene Chloride	4.97	84	18281	Below Cal	#	83
31) Cyclohexane	7.98	56	11268	1.09	ug/l	# 1
36) 1,1-Dichloropropene	7.98	75	42478	4.46	ug/l	# 49
38) Carbon Tetrachloride	7.98	117	53499	5.52	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.34	43	5125	1.39	ug/l	# 1
76) 1,2,3-Trichloropropane	12.64	75	176280	51.92	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	176280	112.10	ug/l	# 11

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

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Misc : 8.28G/5.00ml/MSV0A_D/SOIL
ALS Vial : 8 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065358.D

Acq: 28 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

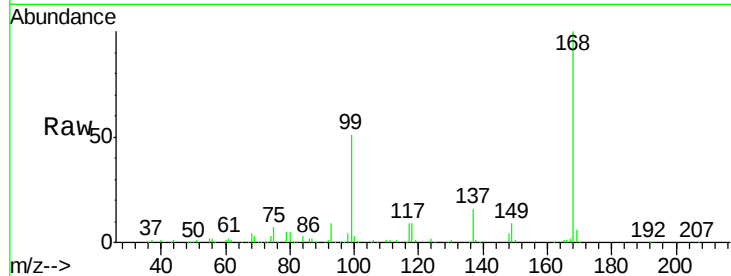
GP-09-022720

Tgt Ion:168 Resp: 586190

Ion Ratio Lower Upper

168 100

99 51.2 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

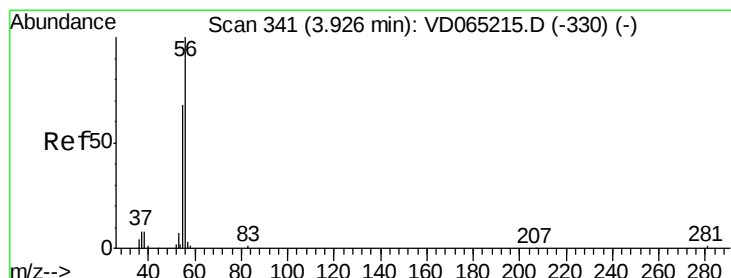
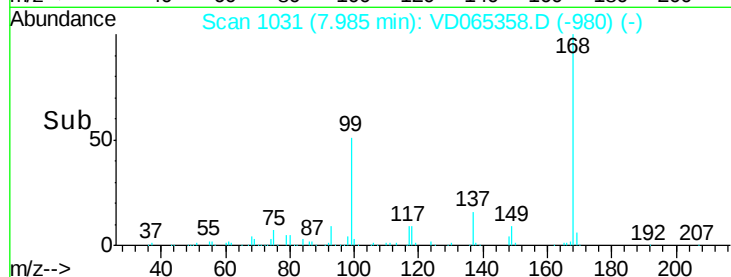
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: Below Cal

RT: 3.67 min Scan# 298

Delta R.T. -0.25 min

Lab File: VD065358.D

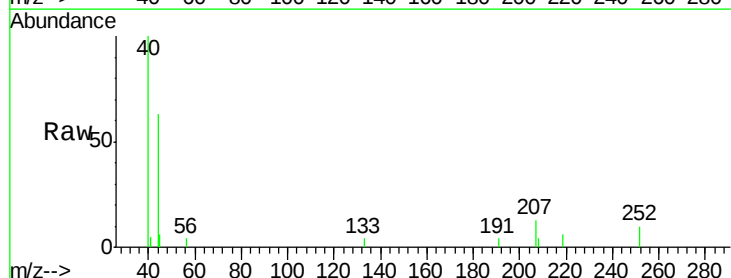
Acq: 28 Feb 2020 14:53

Tgt Ion: 56 Resp: 55

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

200

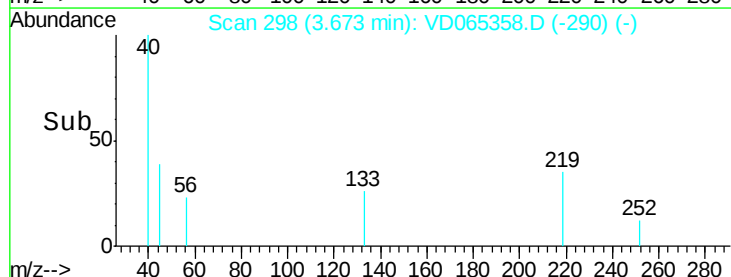
150

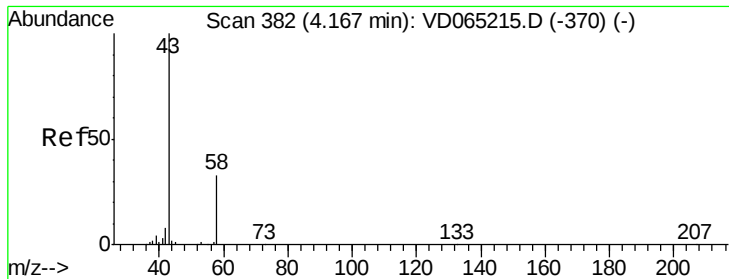
100

50

0

Time-->





#16

Acetone

Concen: 1.00 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065358.D

Acq: 28 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

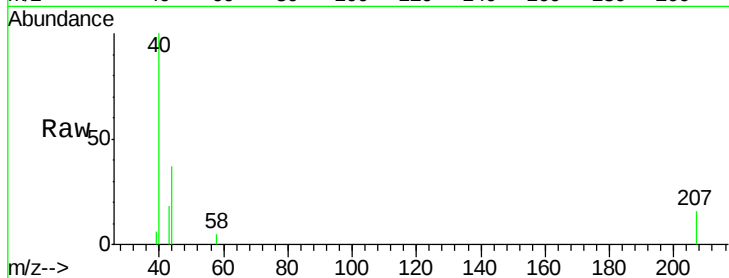
GP-09-022720

Tgt Ion: 43 Resp: 1294

Ion Ratio Lower Upper

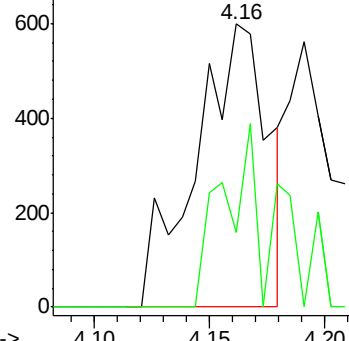
43 100

58 26.2 26.2 39.2

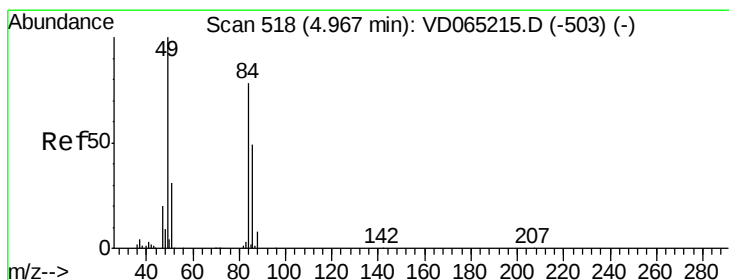
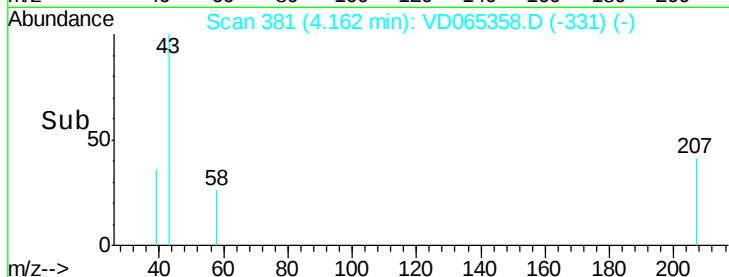


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD065358.D

Acq: 28 Feb 2020 14:53

Tgt Ion: 84 Resp: 18281

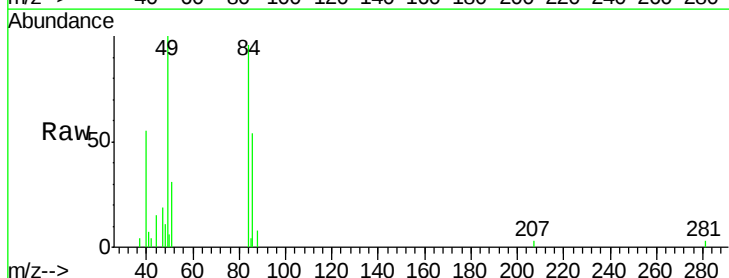
Ion Ratio Lower Upper

84 100

49 103.7 103.1 154.7

51 31.6 31.7 47.5#

86 55.7 50.9 76.3

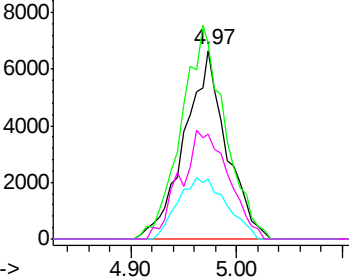


Abundance Ion 83.90 (83.60 to 84.60): VDC

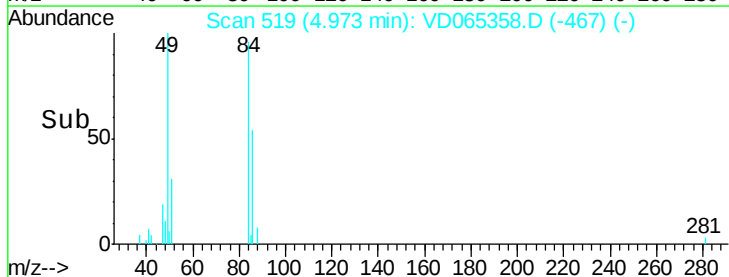
Ion 48.90 (48.60 to 49.60): VDC

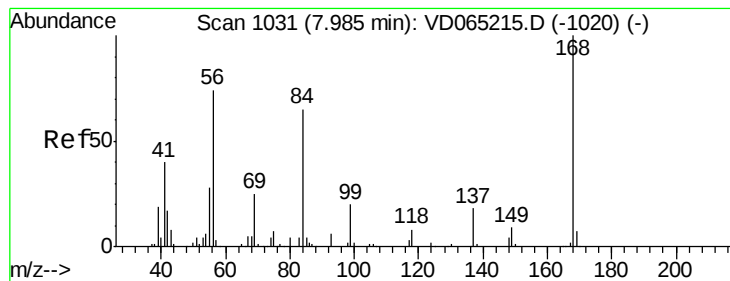
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



Time-->





#31

Cyclohexane

Concen: 1.09 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065358.D

Acq: 28 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

GP-09-022720

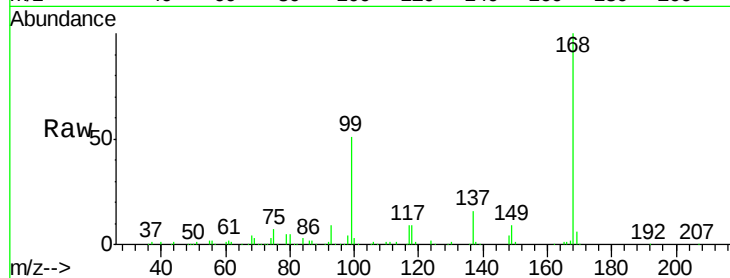
Tgt Ion: 56 Resp: 11268

Ion Ratio Lower Upper

56 100

69 172.2 27.4 41.0#

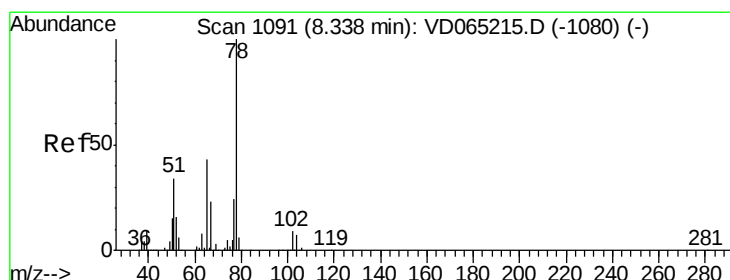
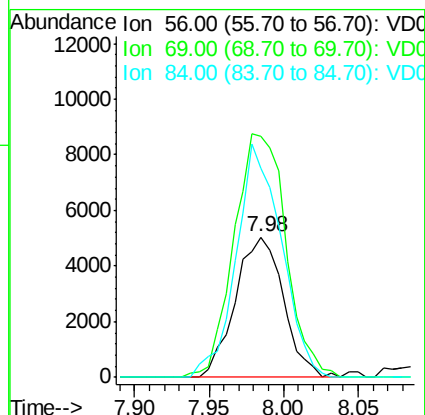
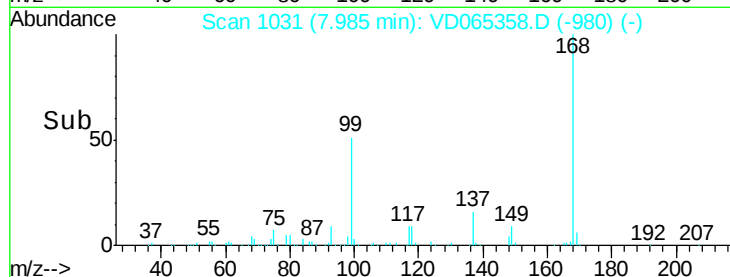
84 149.2 71.1 106.7#



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: 56.34 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065358.D

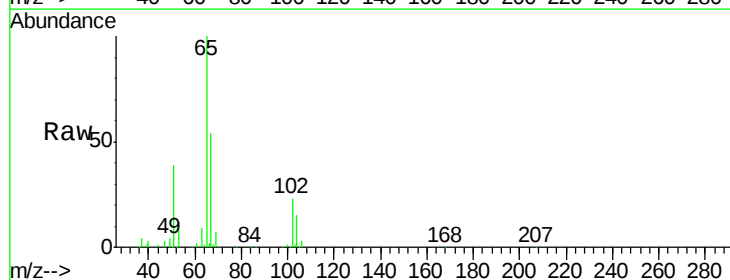
Acq: 28 Feb 2020 14:53

Tgt Ion: 65 Resp: 297115

Ion Ratio Lower Upper

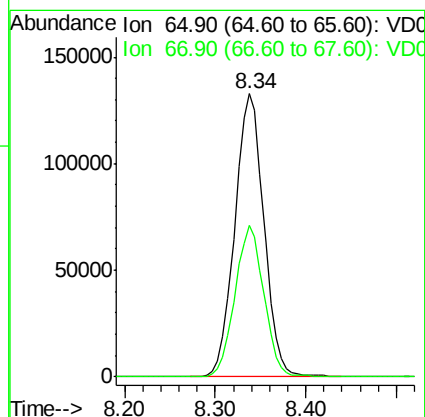
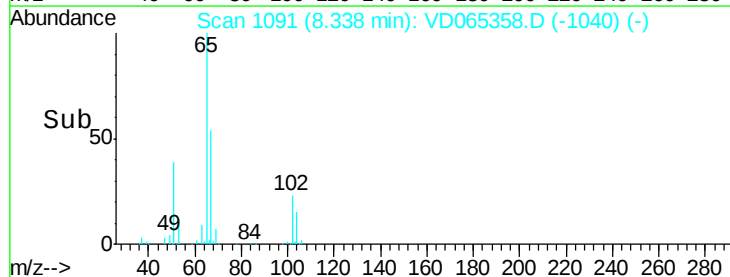
65 100

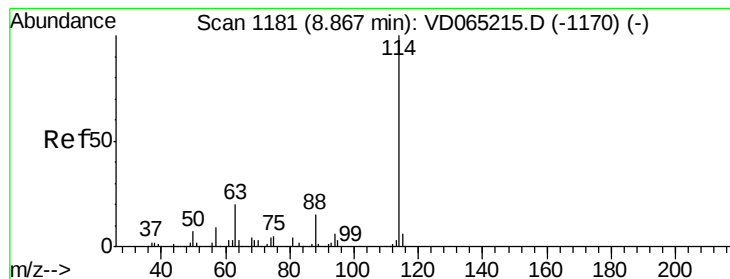
67 53.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065358.D

Acq: 28 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

GP-09-022720

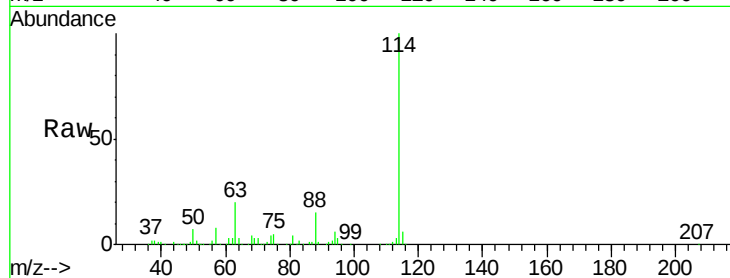
Tgt Ion:114 Resp: 978113

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

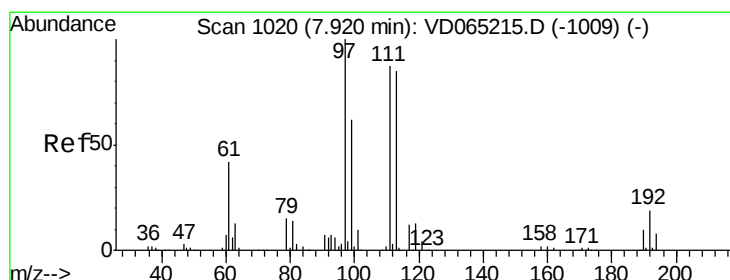
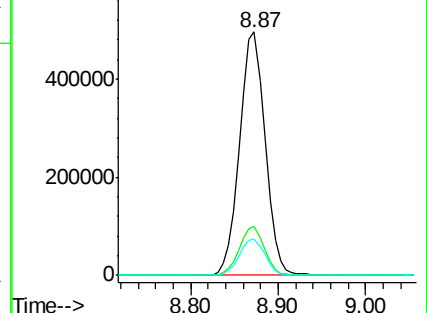
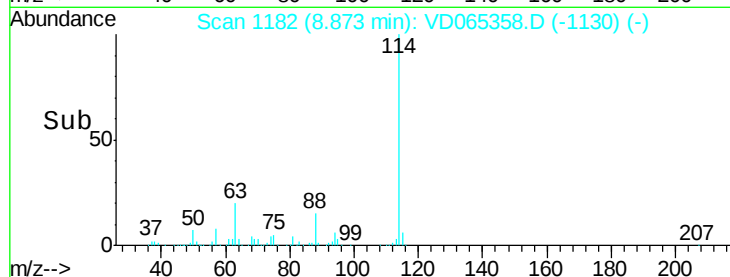
88 14.7 0.0 30.4



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: 52.64 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065358.D

Acq: 28 Feb 2020 14:53

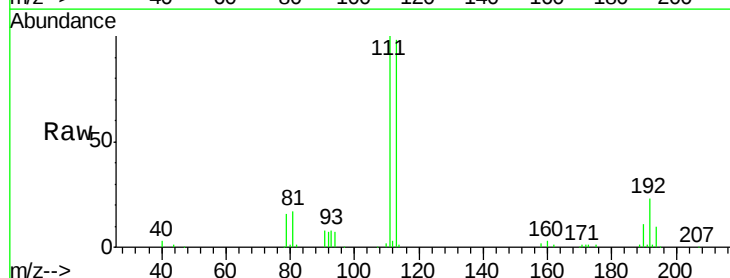
Tgt Ion:113 Resp: 313967

Ion Ratio Lower Upper

113 100

111 101.2 82.9 124.3

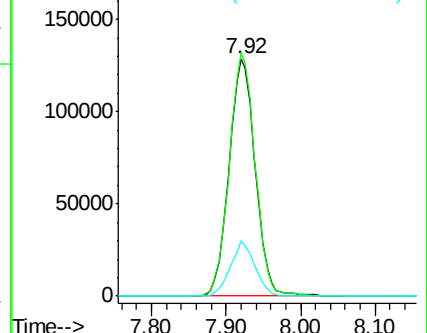
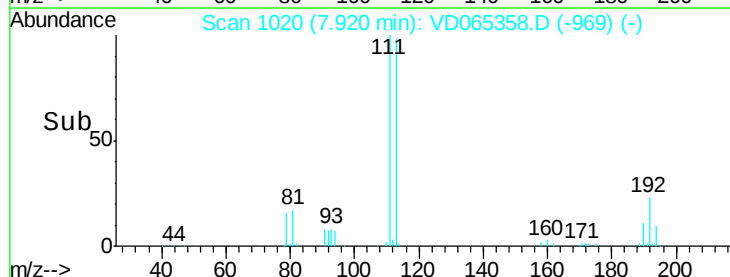
192 21.7 17.3 25.9

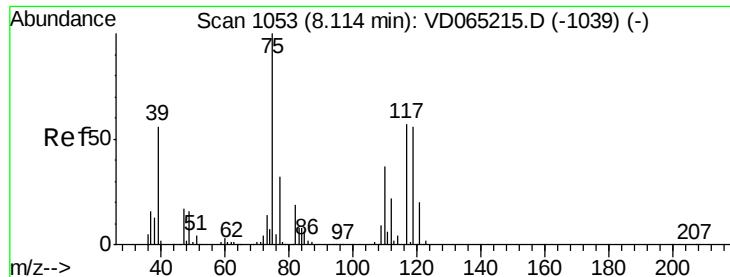


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

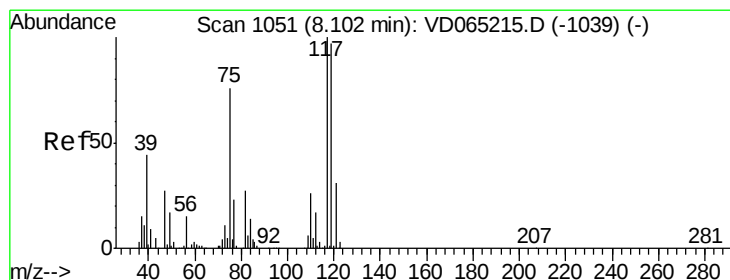
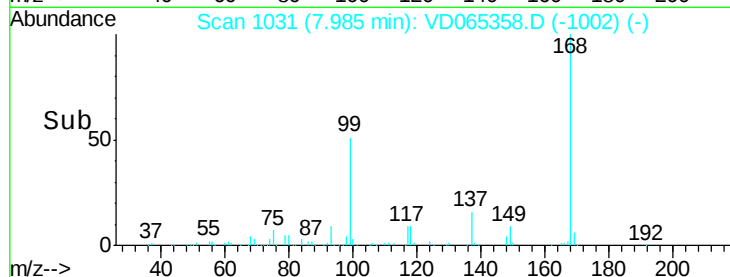
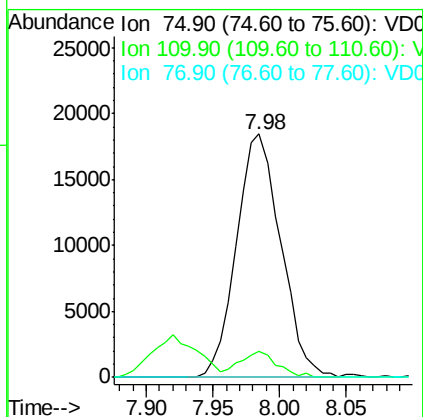
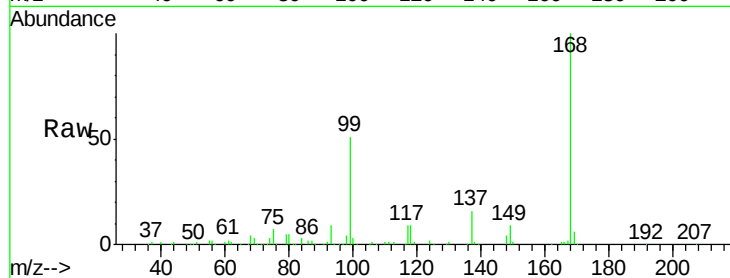




#36
 1,1-Dichloropropene
 Concen: 4.46 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065358.D
 Acq: 28 Feb 2020 14:53

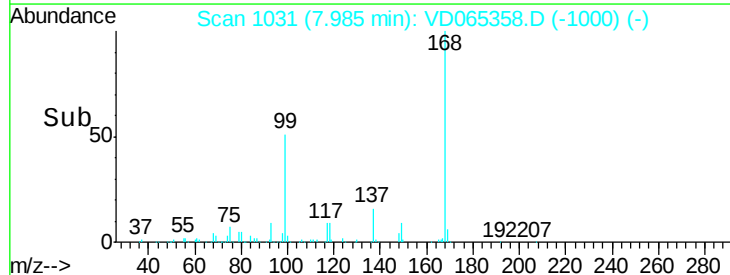
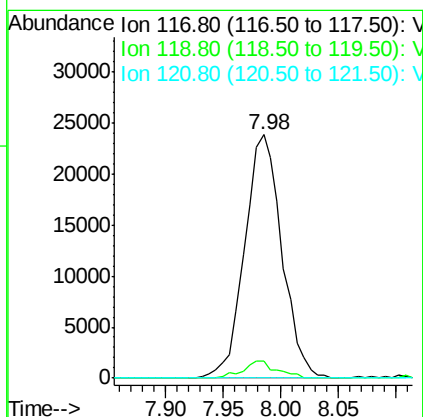
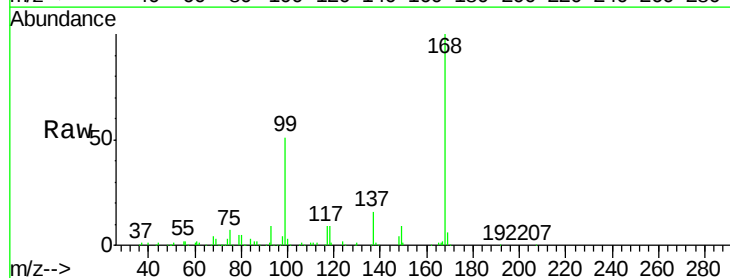
Instrument :
 MSVOA_D
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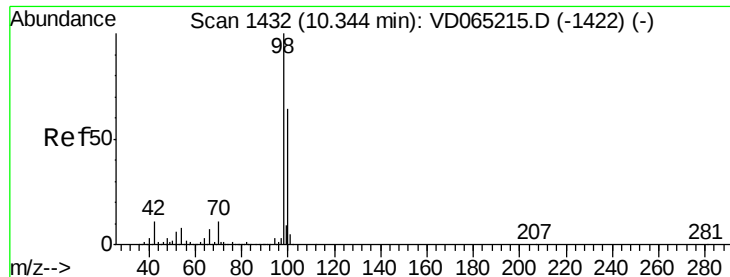
Tgt Ion: 75 Resp: 42478
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.9 53.7#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.52 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD065358.D
 Acq: 28 Feb 2020 14:53

Tgt Ion: 117 Resp: 53499
 Ion Ratio Lower Upper
 117 100
 119 7.0 77.6 116.4#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 51.78 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065358.D

Acq: 28 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

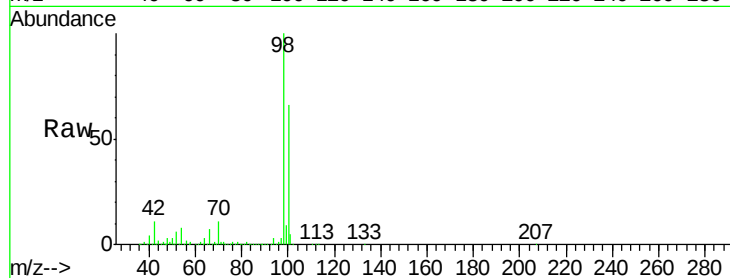
GP-09-022720

Tgt Ion: 98 Resp: 1180500

Ion Ratio Lower Upper

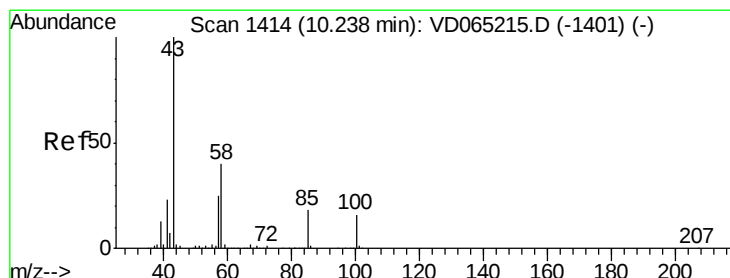
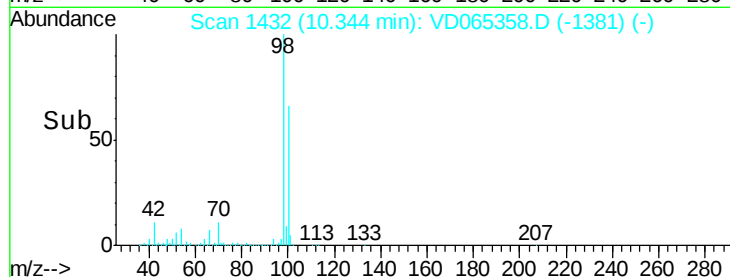
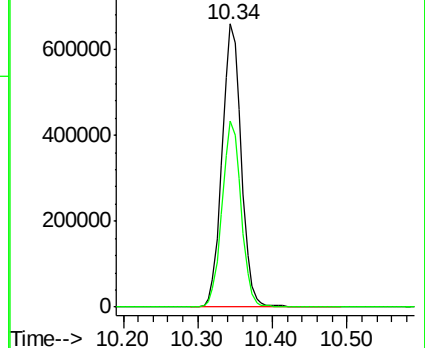
98 100

100 65.4 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.39 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065358.D

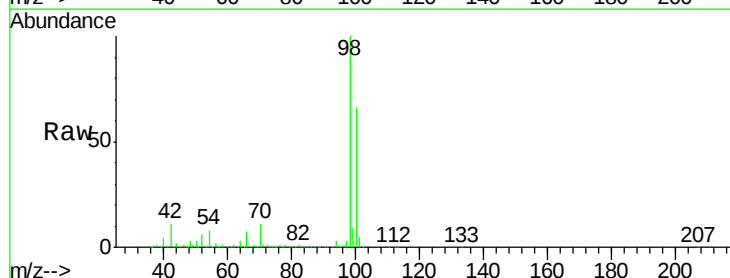
Acq: 28 Feb 2020 14:53

Tgt Ion: 43 Resp: 5125

Ion Ratio Lower Upper

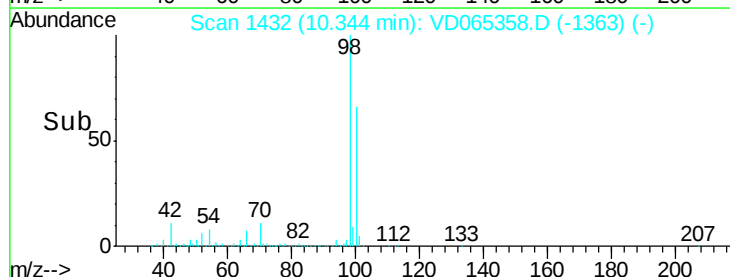
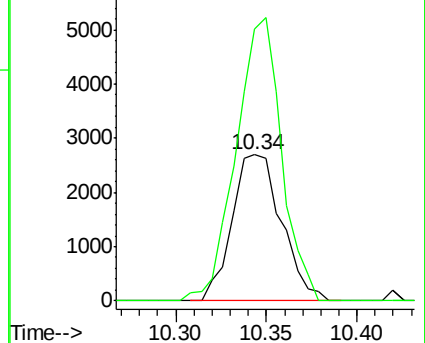
43 100

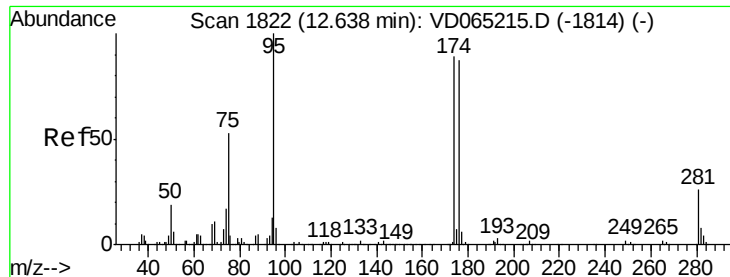
58 177.7 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

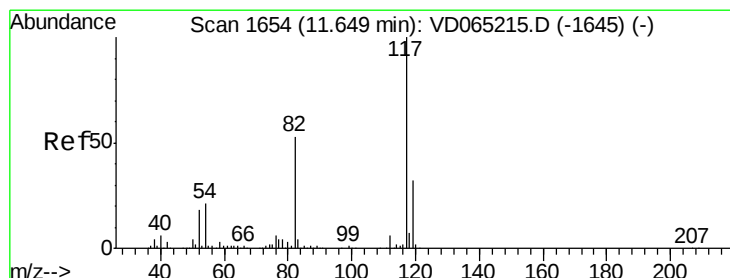
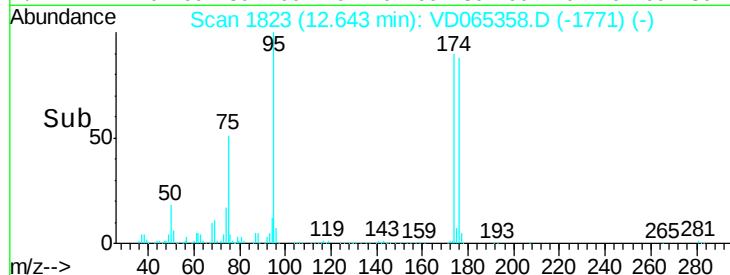
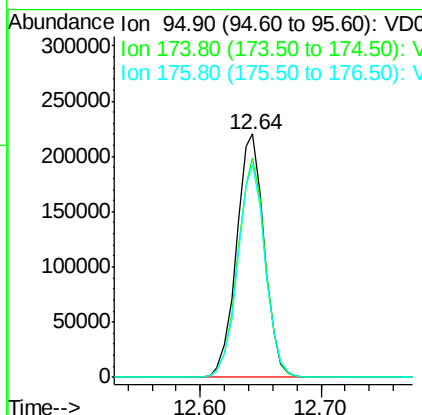
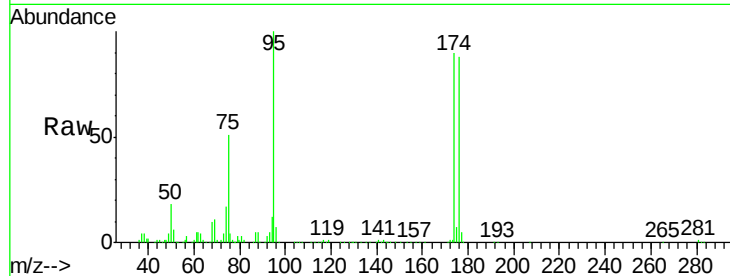




#62
4-Bromofluorobenzene
Concen: 48.91 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065358.D
Acq: 28 Feb 2020 14:53

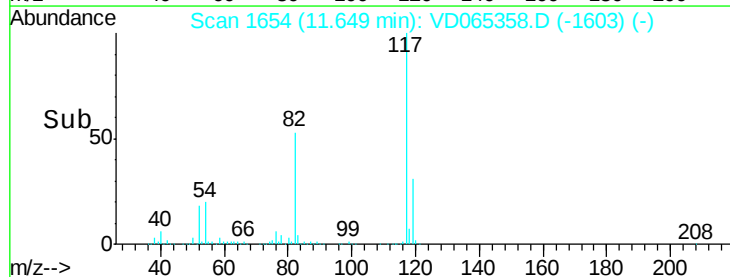
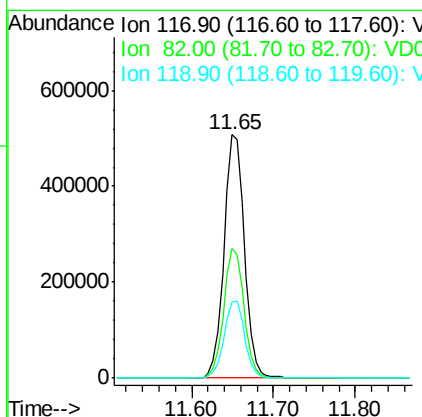
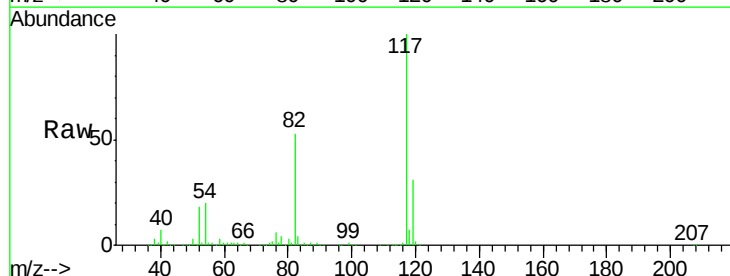
Instrument :
MSVOA_D
ClientSampleId :
GP-09-022720

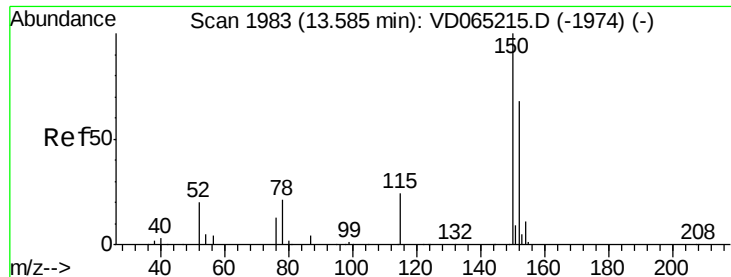
Tgt Ion: 95 Resp: 353245
Ion Ratio Lower Upper
95 100
174 89.3 0.0 178.0
176 86.6 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065358.D
Acq: 28 Feb 2020 14:53

Tgt Ion: 117 Resp: 879254
Ion Ratio Lower Upper
117 100
82 53.4 42.7 64.1
119 31.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065358.D

Acq: 28 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

GP-09-022720

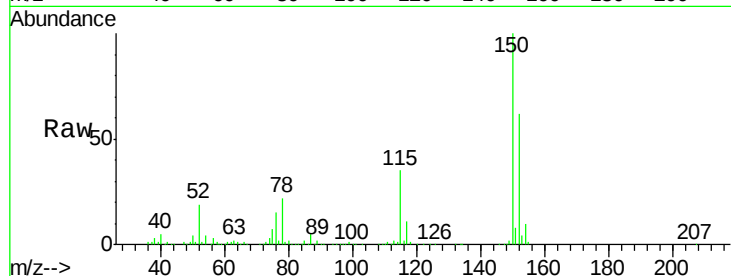
Tgt Ion:152 Resp: 399078

Ion Ratio Lower Upper

152 100

115 55.7 27.6 82.8

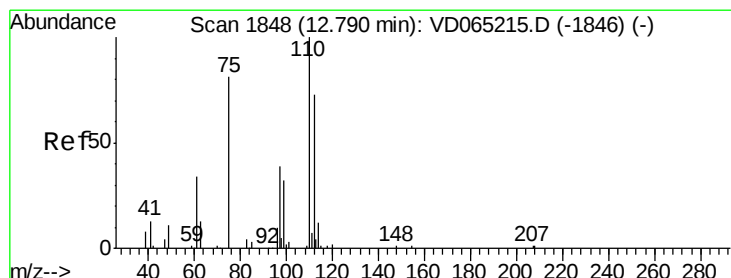
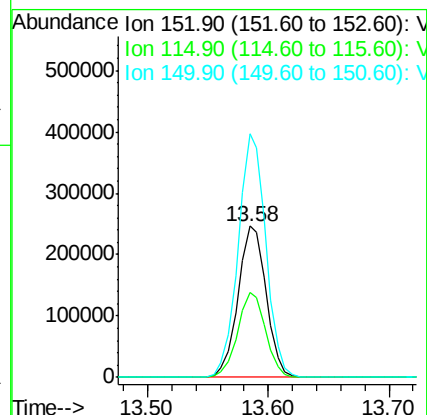
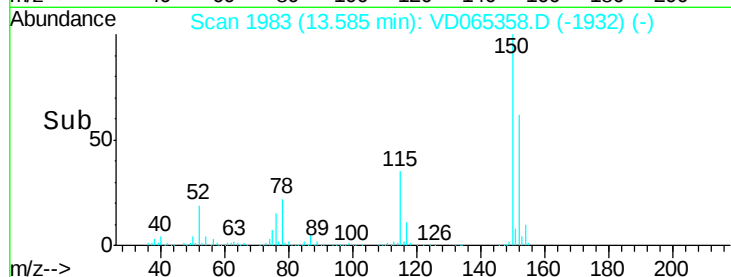
150 158.4 0.0 347.4



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



#76

1,2,3-Trichloropropane

Concen: 51.92 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065358.D

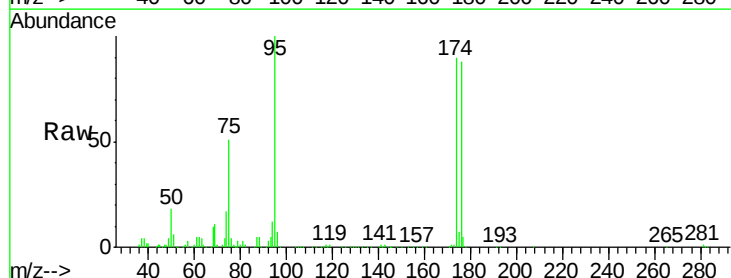
Acq: 28 Feb 2020 14:53

Tgt Ion: 75 Resp: 176280

Ion Ratio Lower Upper

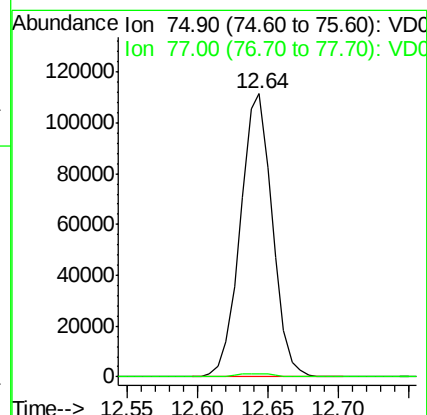
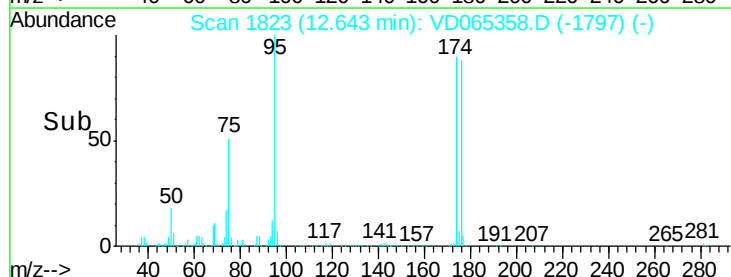
75 100

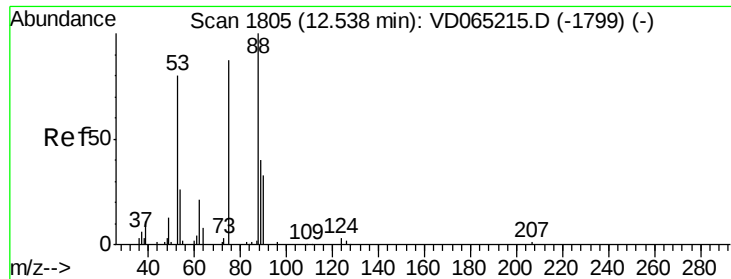
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 112.10 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065358.D

Acq: 28 Feb 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

GP-09-022720

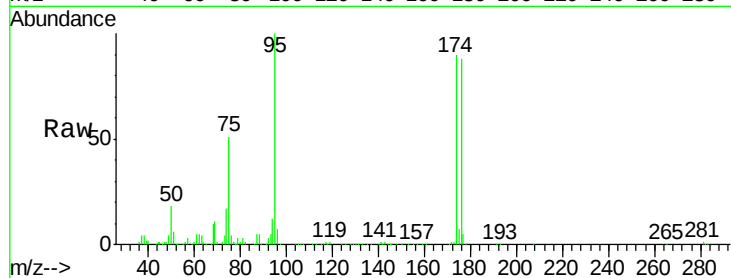
Tgt Ion: 75 Resp: 176280

Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

89 0.0 37.2 55.8#



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

