

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066359.D
 Acq On : 21 Aug 2020 15:05
 Operator : VA/SY
 Sample : VD0821SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBL01

Quant Time: Aug 22 02:21:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	245380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	348747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	329508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	165549	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	128555	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
35) Dibromofluoromethane	7.91	113	118046	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
50) Toluene-d8	10.34	98	431965	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
62) 4-Bromofluorobenzene	12.63	95	142789	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

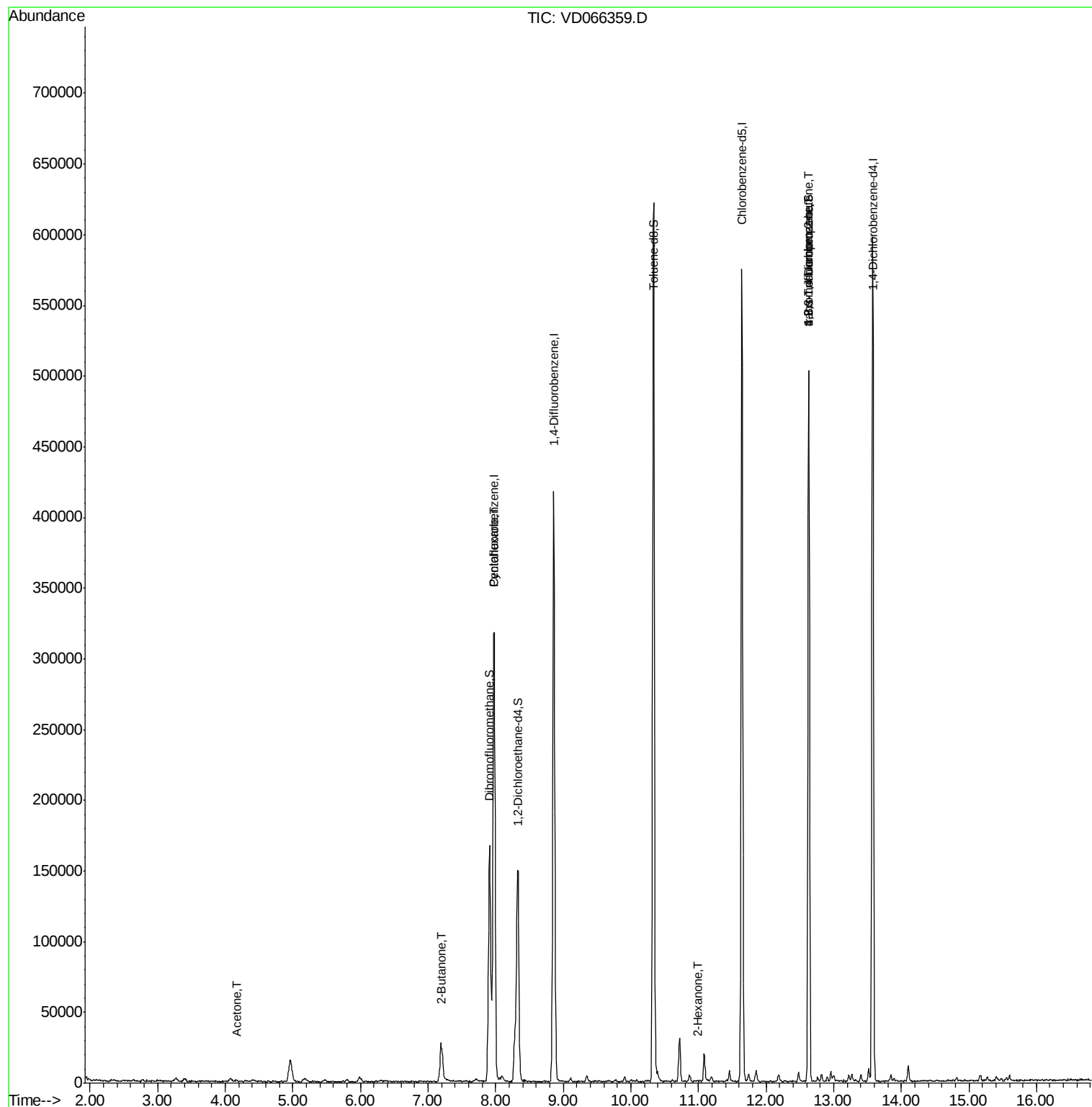
					Qvalue	
11) Tert butyl alcohol	5.23	59	172	Below Cal	#	71
16) Acetone	4.17	43	1273	2.935	ug/l #	46
20) Methylene Chloride	4.97	84	12840	Below Cal	#	87
25) 2-Butanone	7.21	43	1994	4.050	ug/l #	47
31) Cyclohexane	7.98	56	6107	1.828	ug/l #	53
59) 2-Hexanone	10.99	43	828	1.117	ug/l	67
76) 1,2,3-Trichloropropane	12.63	75	81216	69.735	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	81216	148.024	ug/l #	6

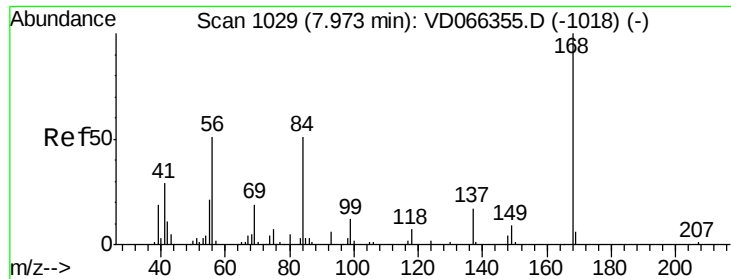
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066359.D

Acq: 21 Aug 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

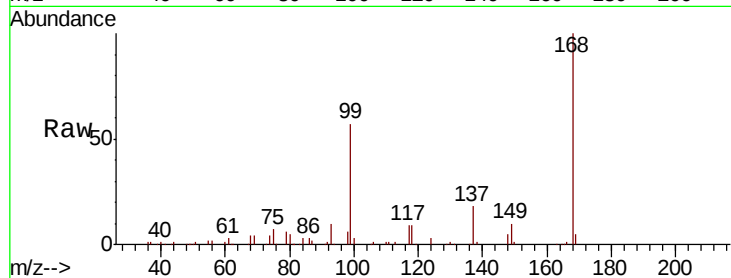
VD0821SBL01

Tot Ion:168 Resp: 245380

Ion Ratio Lower Upper

168 100

99 56.4 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.97

120000

100000

80000

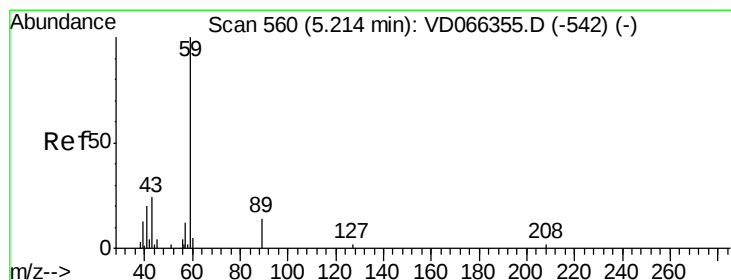
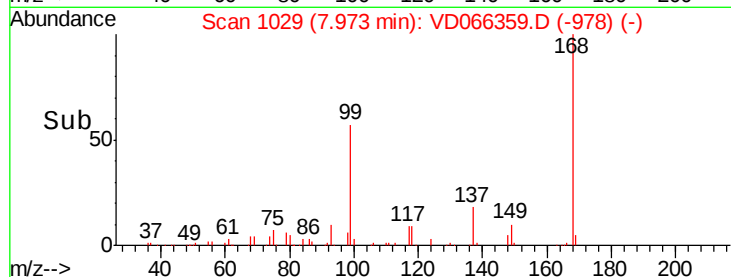
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD066359.D

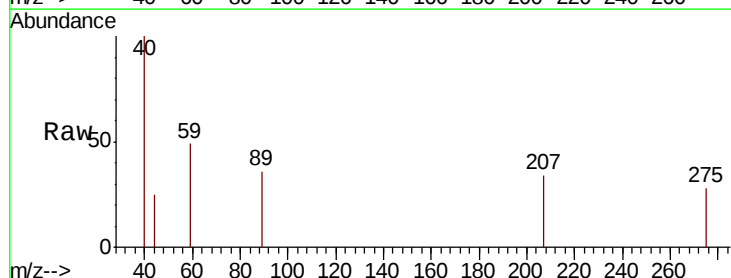
Acq: 21 Aug 2020 15:05

Tgt Ion: 59 Resp: 172

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V

5.23

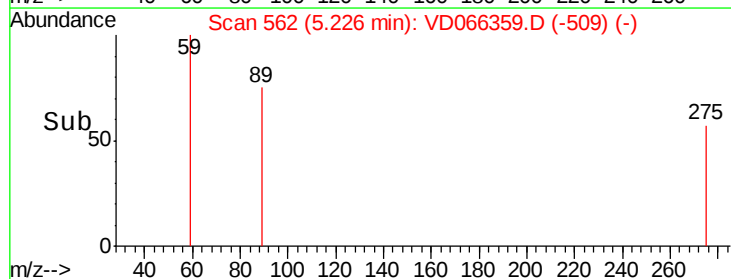
300

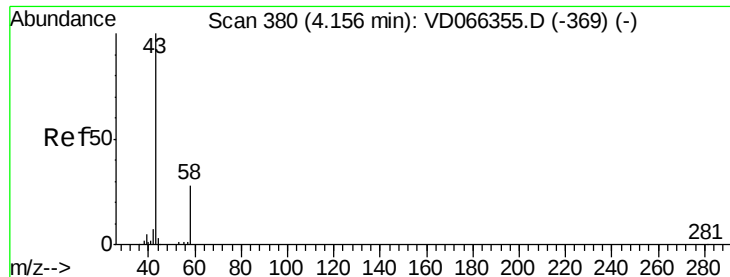
200

100

0

Time-->





#16

Acetone

Concen: 2.935 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066359.D

Acq: 21 Aug 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

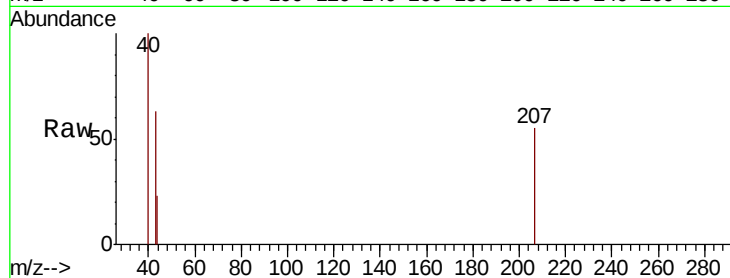
VD0821SBL01

Tot Ion: 43 Resp: 1273

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



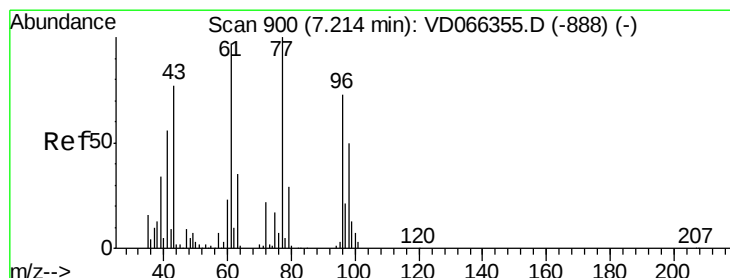
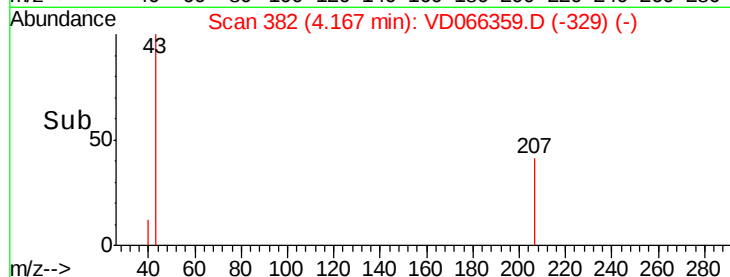
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

4.10 4.15 4.20

Time-->



#25

2-Butanone

Concen: 4.050 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066359.D

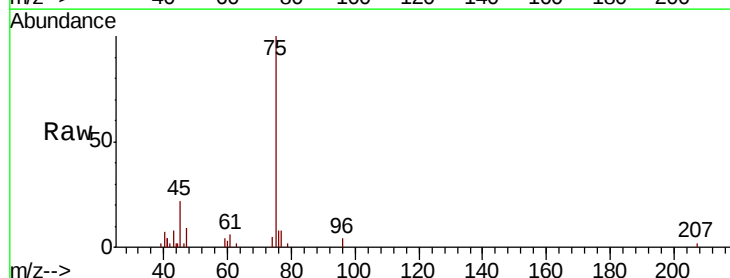
Acq: 21 Aug 2020 15:05

Tgt Ion: 43 Resp: 1994

Ion Ratio Lower Upper

43 100

72 0.0 22.5 33.7#



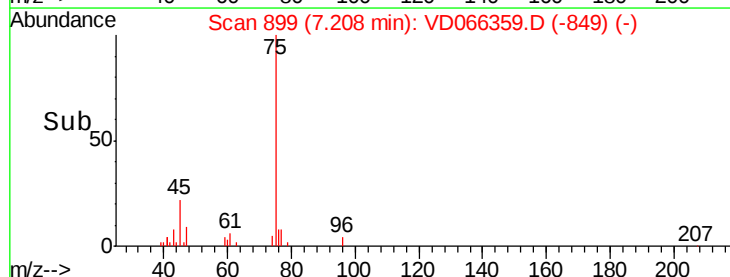
Abundance Ion 43.00 (42.70 to 43.70): VDC

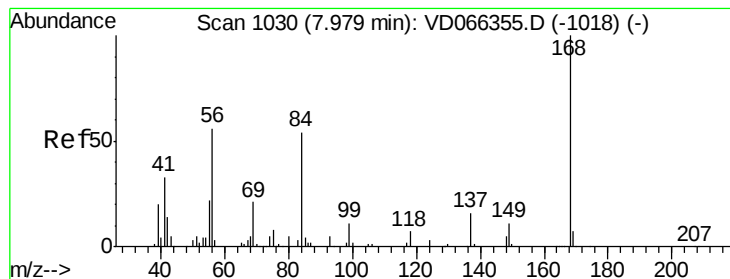
Ion 72.00 (71.70 to 72.70): VDC

7.21

7.10 7.15 7.20 7.25

Time-->





#31

Cyclohexane

Concen: 1.828 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066359.D

Acq: 21 Aug 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBL01

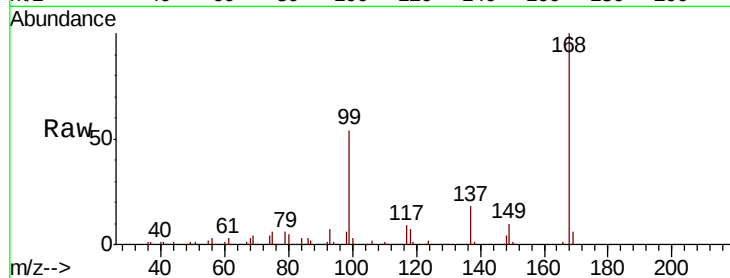
Tot Ion: 56 Resp: 6107

Ion Ratio Lower Upper

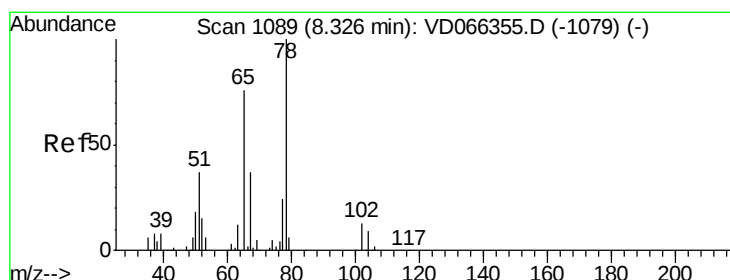
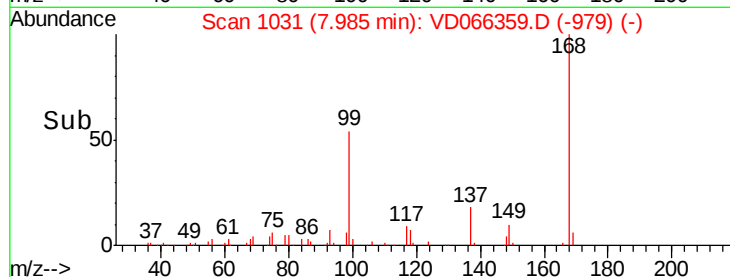
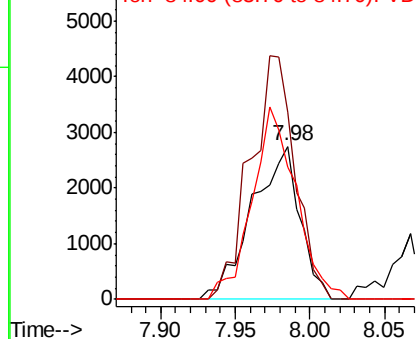
56 100

69 122.8 29.6 44.4#

84 86.4 76.6 115.0



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: 53.438 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066359.D

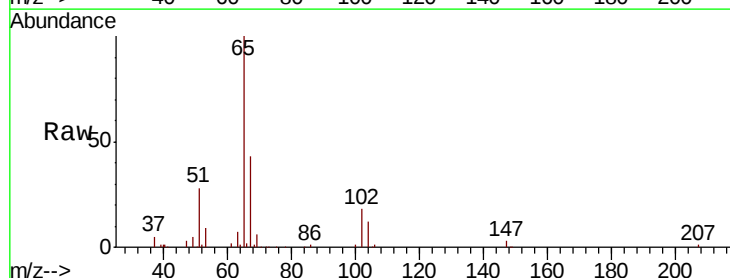
Acq: 21 Aug 2020 15:05

Tgt Ion: 65 Resp: 128555

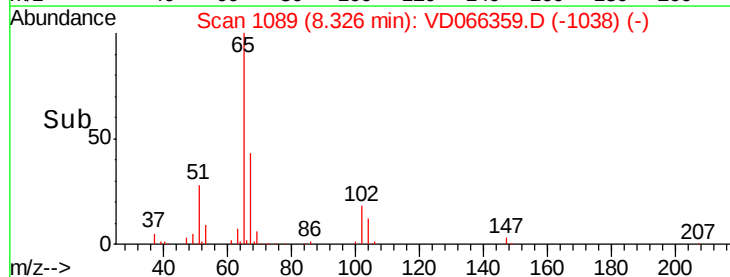
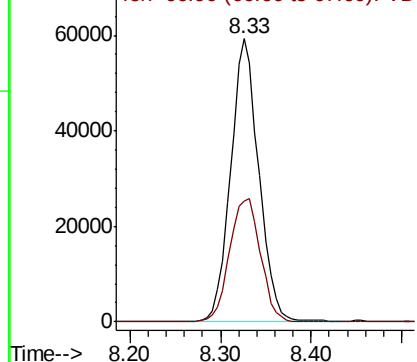
Ion Ratio Lower Upper

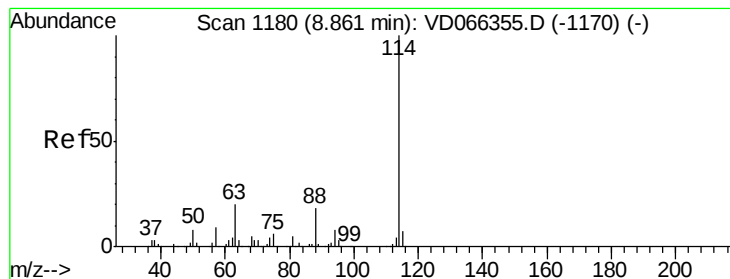
65 100

67 47.7 0.0 101.6



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: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066359.D

Acq: 21 Aug 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBL01

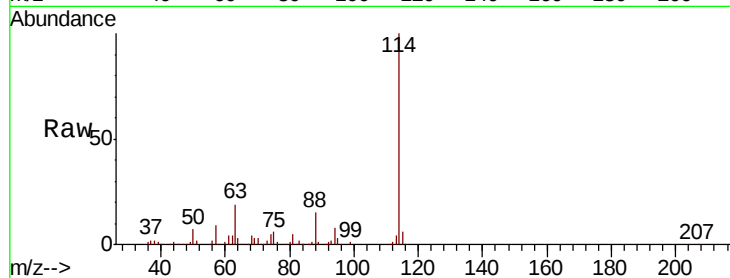
Tot Ion:114 Resp: 348747

Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.8

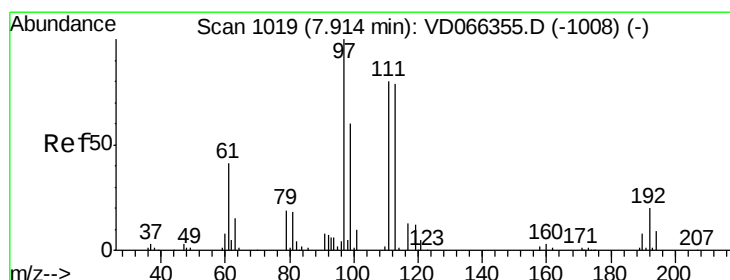
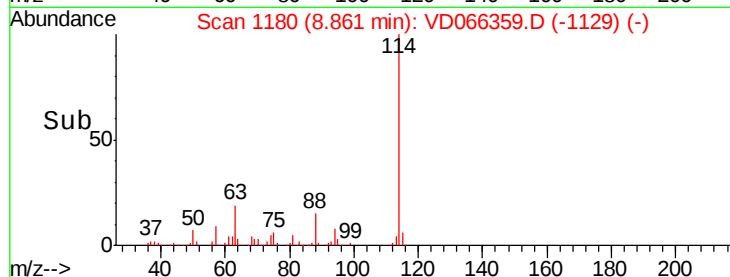
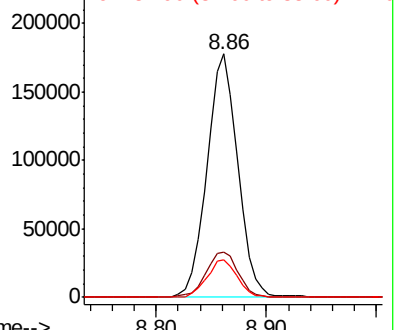
88 15.5 0.0 35.4



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: 54.131 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066359.D

Acq: 21 Aug 2020 15:05

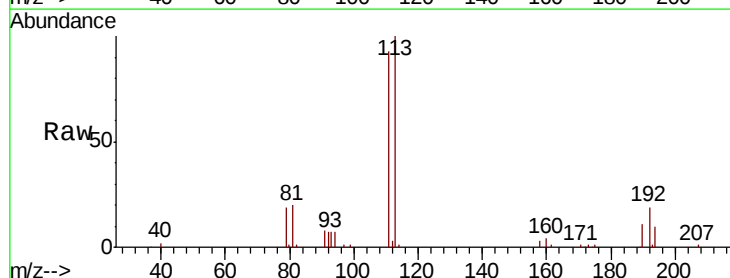
Tgt Ion:113 Resp: 118046

Ion Ratio Lower Upper

113 100

111 98.4 80.3 120.5

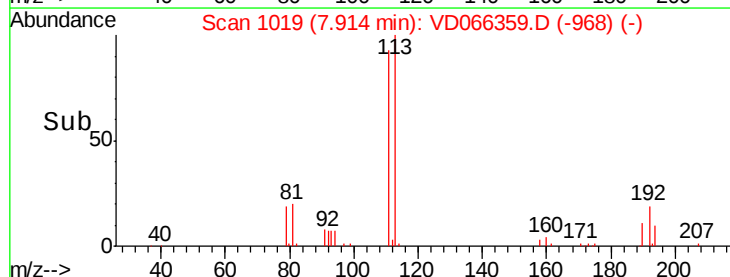
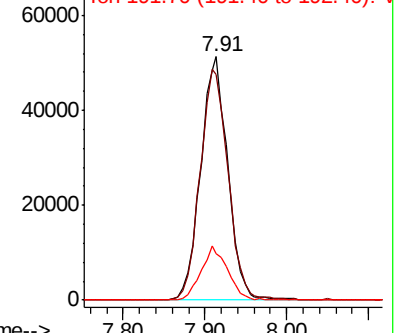
192 21.6 19.0 28.6

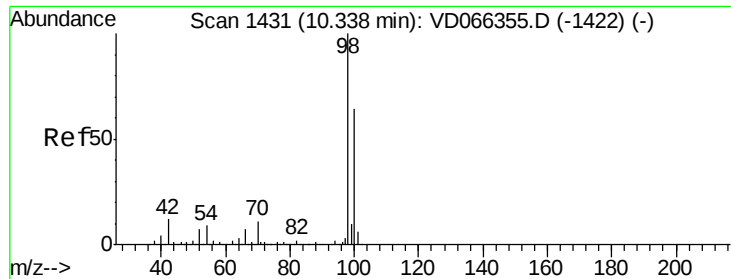


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

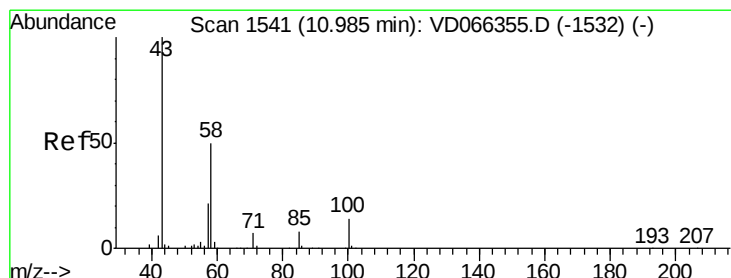
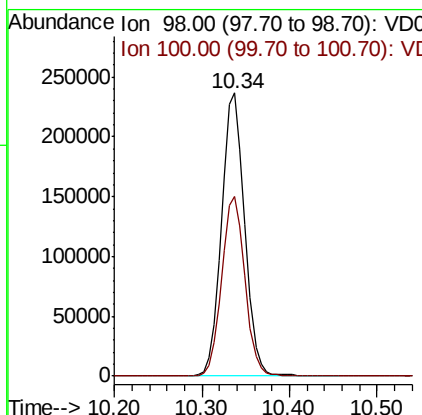
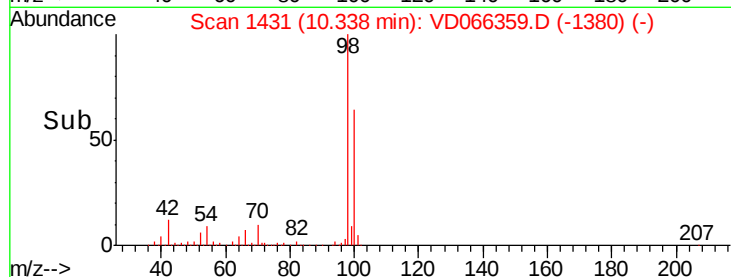
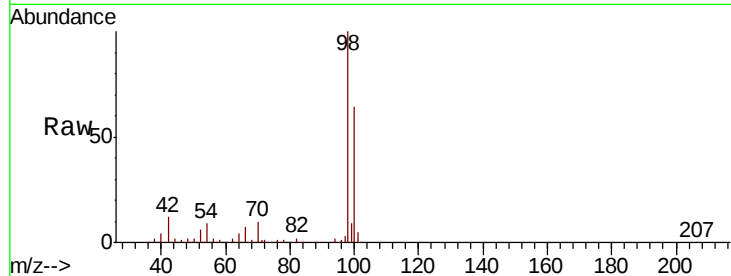




#50
Toluene-d8
Concen: 54.137 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066359.D
Acq: 21 Aug 2020 15:05

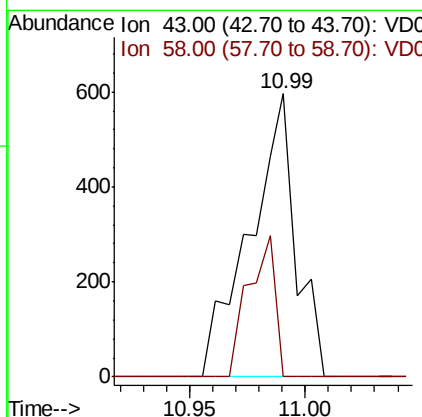
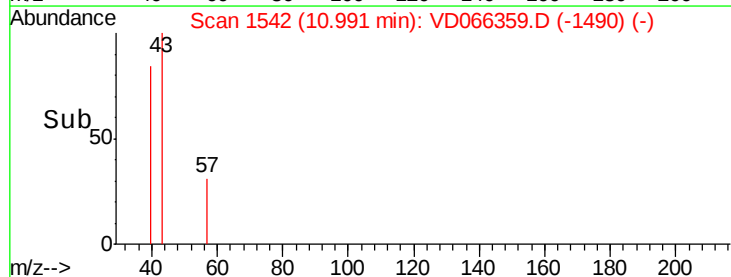
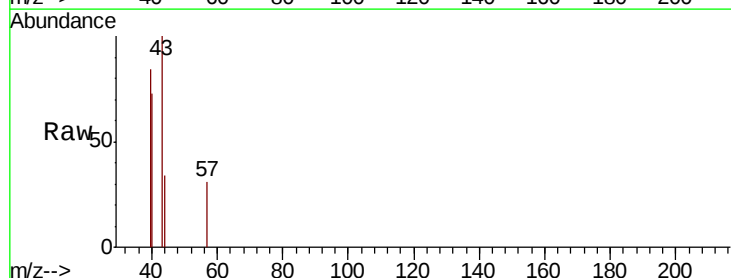
Instrument :
MSVOA_D
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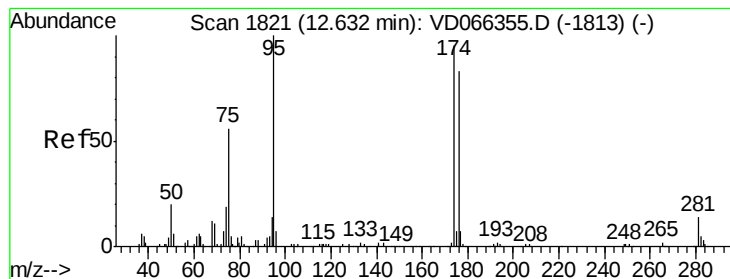
Tot Ion: 98 Resp: 431965
Ion Ratio Lower Upper
98 100
100 63.8 53.0 79.4



#59
2-Hexanone
Concen: 1.117 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD066359.D
Acq: 21 Aug 2020 15:05

Tgt Ion: 43 Resp: 828
Ion Ratio Lower Upper
43 100
58 29.2 26.3 78.8





#62

4-Bromofluorobenzene

Concen: 50.432 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066359.D

Acq: 21 Aug 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBL01

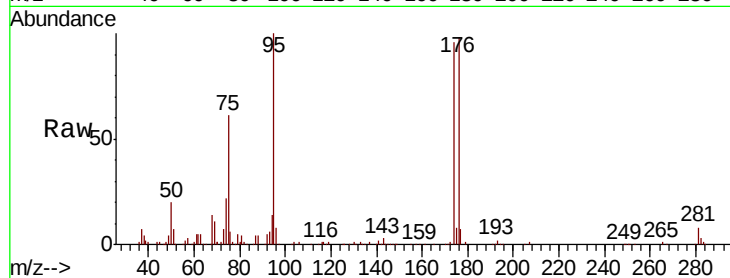
Tot Ion: 95 Resp: 142789

Ion Ratio Lower Upper

95 100

174 92.8 0.0 183.4

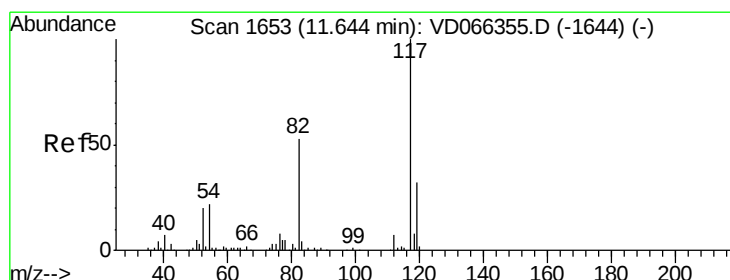
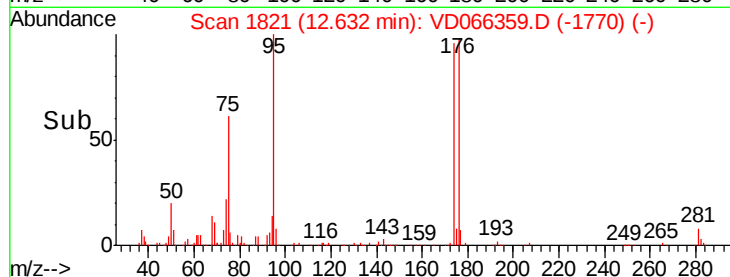
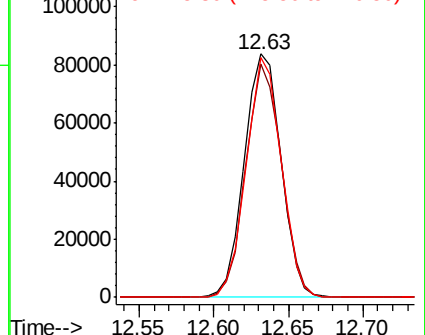
176 93.8 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066359.D

Acq: 21 Aug 2020 15:05

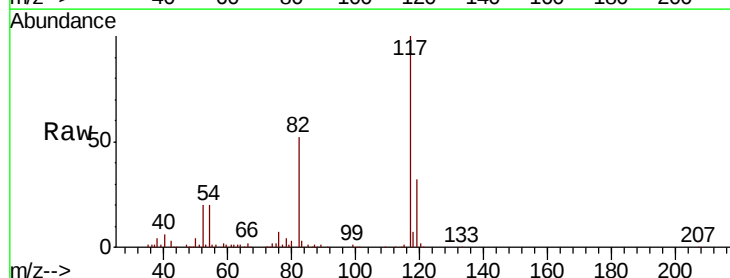
Tgt Ion: 117 Resp: 329508

Ion Ratio Lower Upper

117 100

82 52.2 42.8 64.2

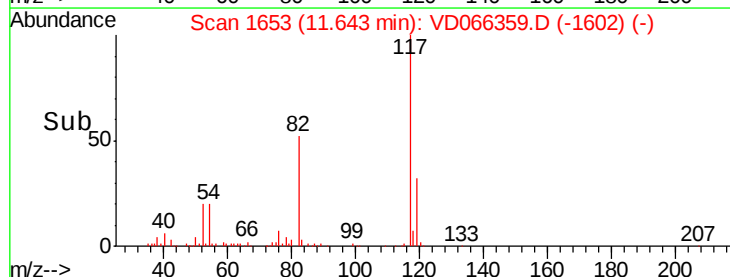
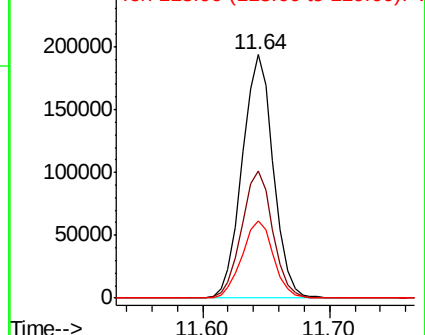
119 31.6 25.8 38.8

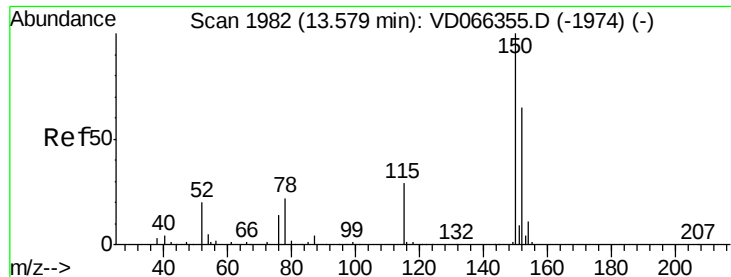


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066359.D

Acq: 21 Aug 2020 15:05

Instrument :

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ClientSampleId :

VD0821SBL01

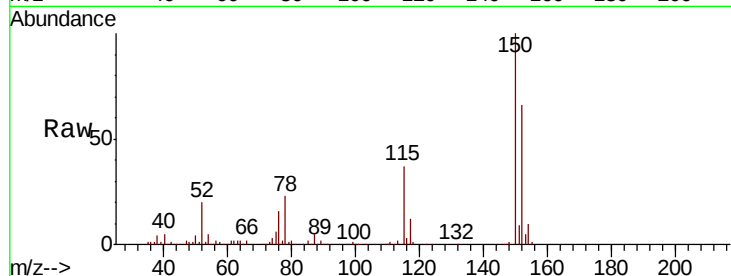
Tot Ion:152 Resp: 165549

Ion Ratio Lower Upper

152 100

115 56.4 28.3 85.0

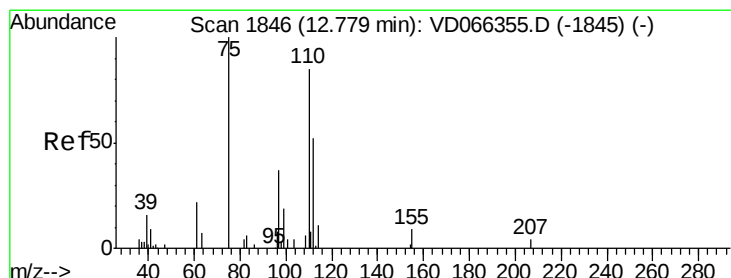
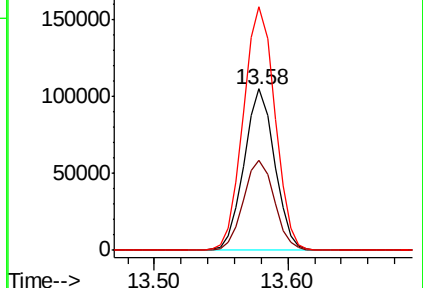
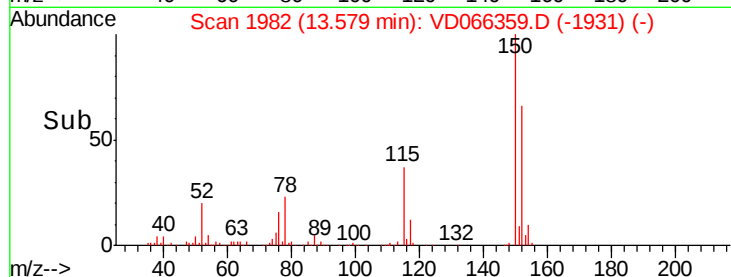
150 156.1 0.0 343.2



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: 69.735 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066359.D

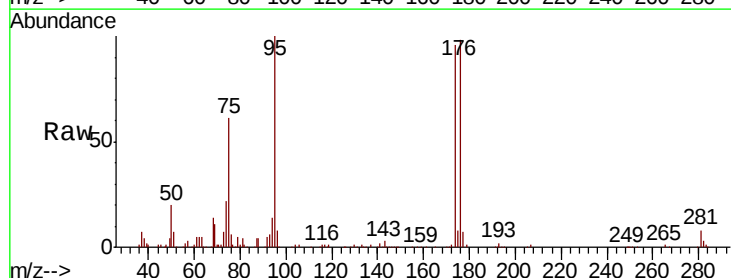
Acq: 21 Aug 2020 15:05

Tgt Ion: 75 Resp: 81216

Ion Ratio Lower Upper

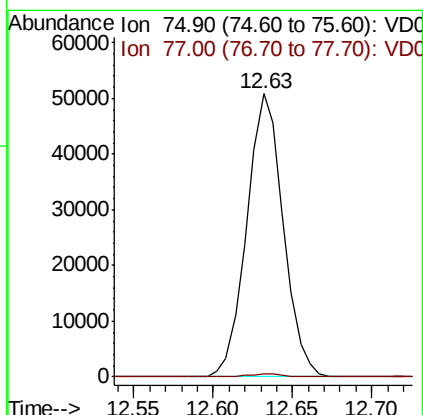
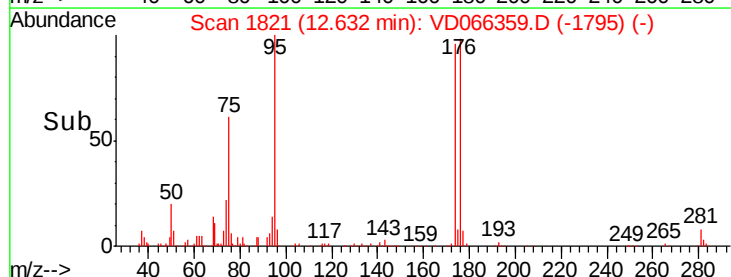
75 100

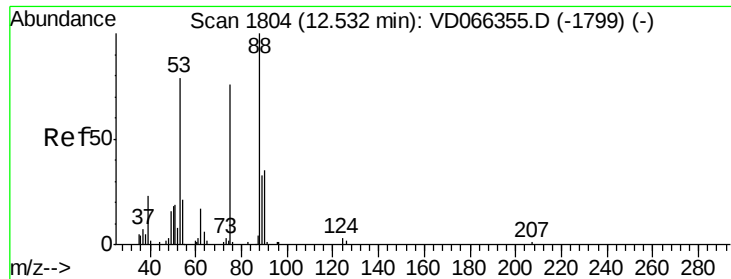
77 1.1 182.9 548.9#



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: 148.024 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066359.D

Acq: 21 Aug 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBL01

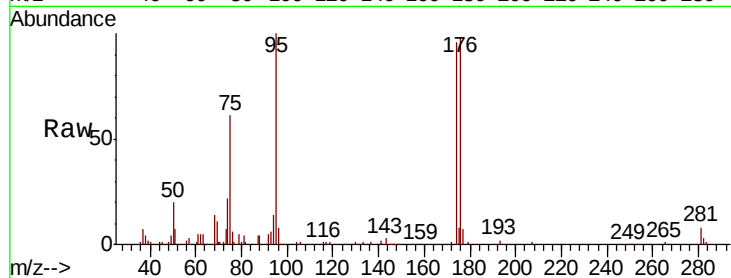
Tot Ion: 75 Resp: 81216

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.2#

89 0.1 39.4 59.0#



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

