

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066287.D
 Acq On : 18 Aug 2020 19:25
 Operator : VA/SY
 Sample : L3700-05
 Misc : 8.40G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S405-K-SO-1-1.5-081420

Quant Time: Aug 19 06:43:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

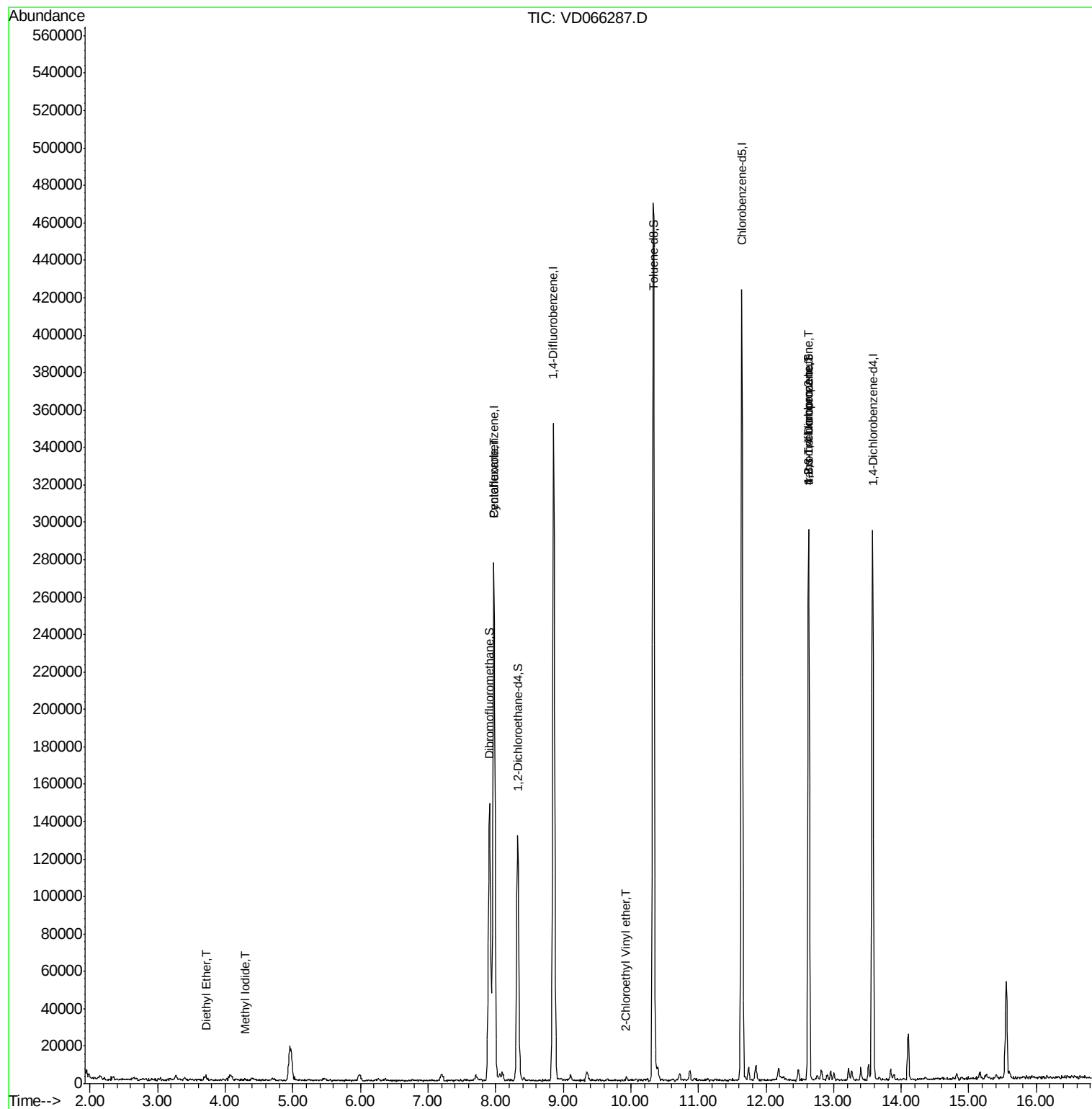
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	207527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	312074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	253795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	83534	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	105469	56.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.94%	
35) Dibromofluoromethane	7.91	113	104934	53.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.16%	
50) Toluene-d8	10.34	98	323936	44.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.80%	
62) 4-Bromofluorobenzene	12.63	95	88736	33.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.48%	
Target Compounds						
8) Diethyl Ether	3.71	74	1453	1.569	ug/l	87
10) Methyl Iodide	4.29	142	744	7.074	ug/l #	67
11) Tert butyl alcohol	5.23	59	194	Below Cal	#	76
20) Methylene Chloride	4.96	84	9220	Below Cal		90
31) Cyclohexane	7.97	56	5502	1.696	ug/l #	31
58) 2-Chloroethyl Vinyl ether	9.94	63	1045	1.225	ug/l	93
76) 1,2,3-Trichloropropane	12.63	75	45132	64.788	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	45132	143.217	ug/l #	13

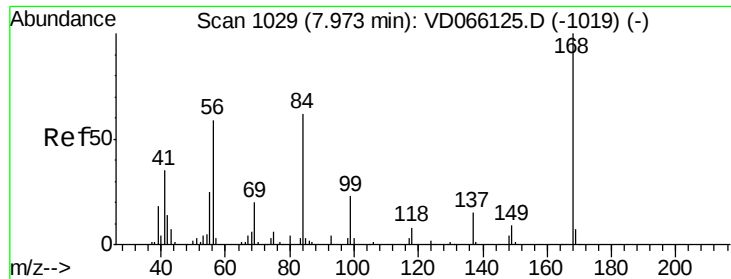
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
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: VD066287.D

Acq: 18 Aug 2020 19:25

Instrument :

MSVOA_D

ClientSampleId :

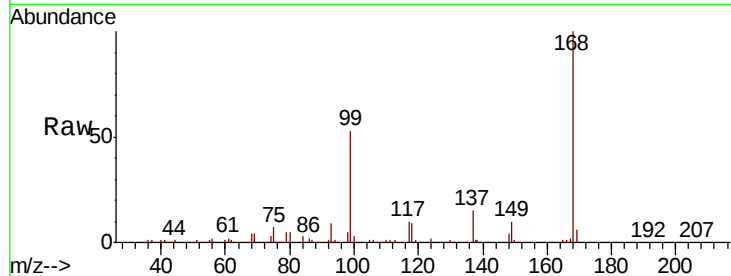
S405-K-SO-1-1.5-081420

Tot Ion:168 Resp: 207527

Ion Ratio Lower Upper

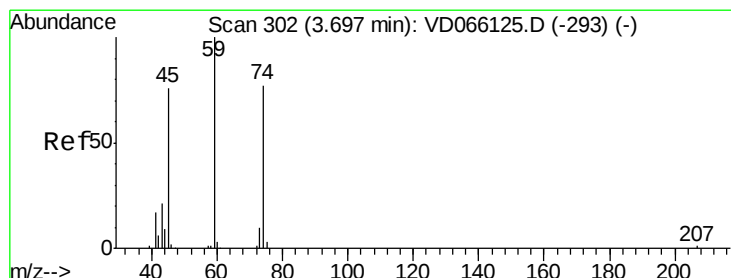
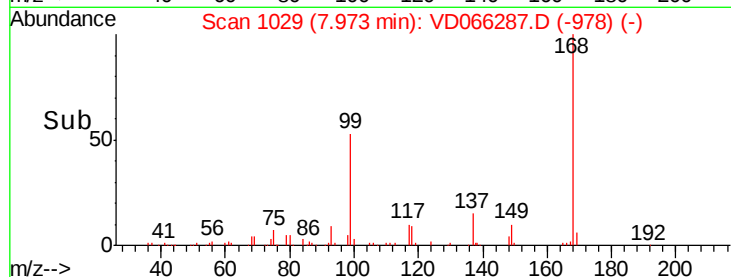
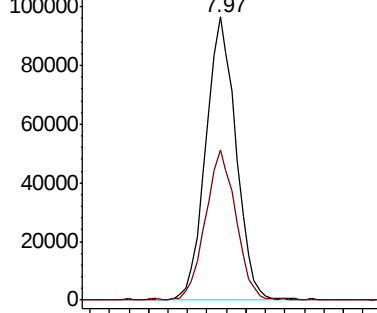
168 100

99 53.1 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 1.569 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.02 min

Lab File: VD066287.D

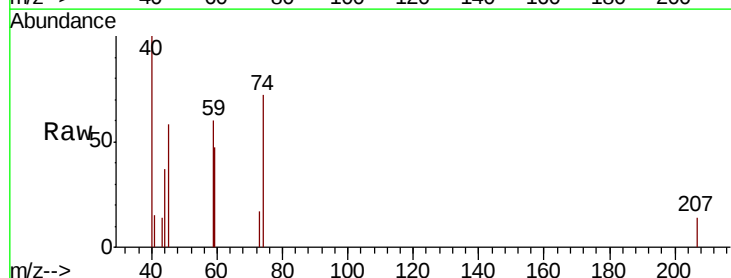
Acq: 18 Aug 2020 19:25

Tgt Ion: 74 Resp: 1453

Ion Ratio Lower Upper

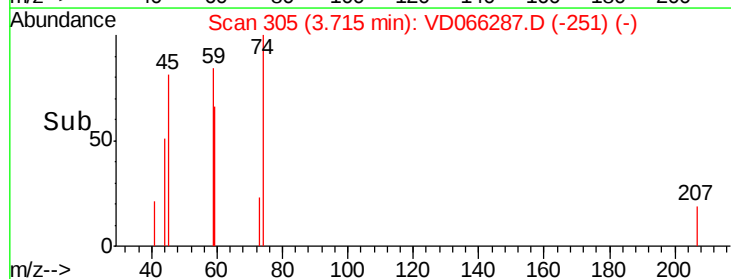
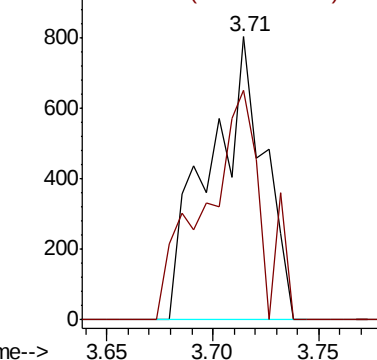
74 100

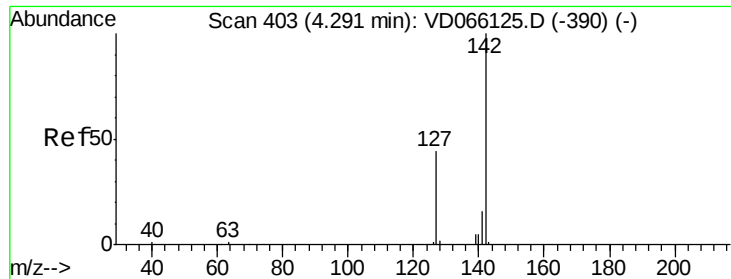
45 84.0 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

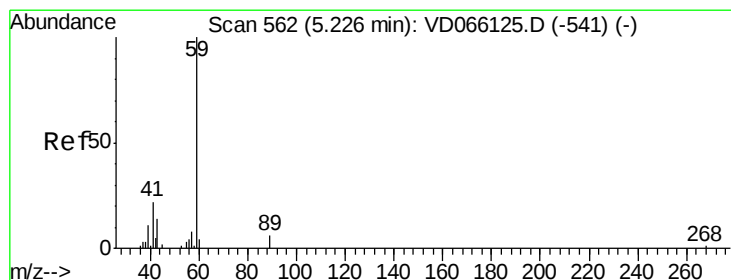
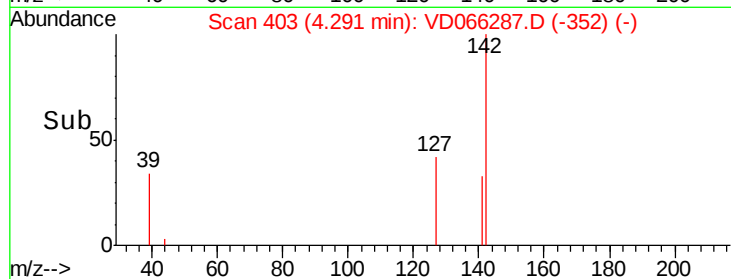
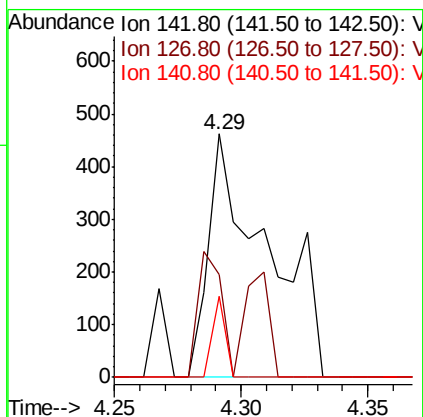
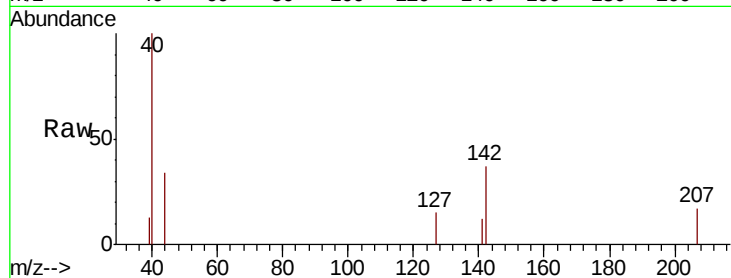




#10
Methyl Iodide
Concen: 7.074 ug/l
RT: 4.29 min Scan# 403
Delta R.T. 0.00 min
Lab File: VD066287.D
Acq: 18 Aug 2020 19:25

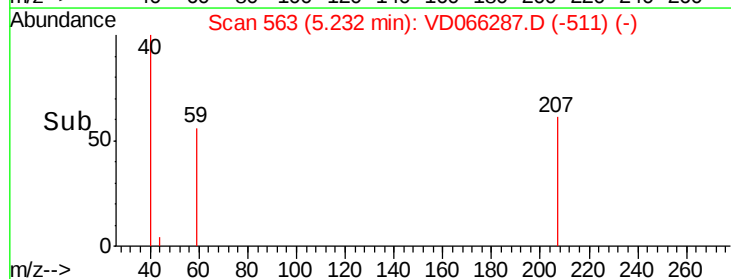
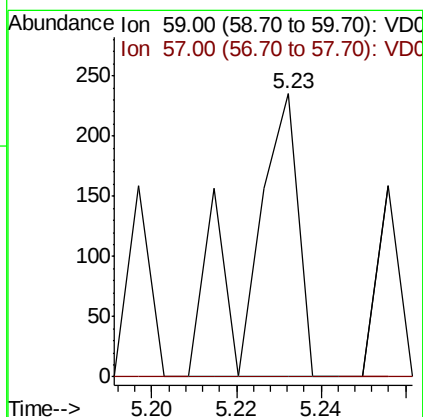
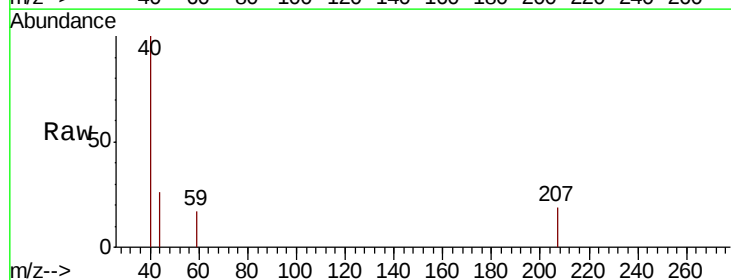
Instrument :
MSVOA_D
ClientSampleId :
S405-K-SO-1-1.5-081420

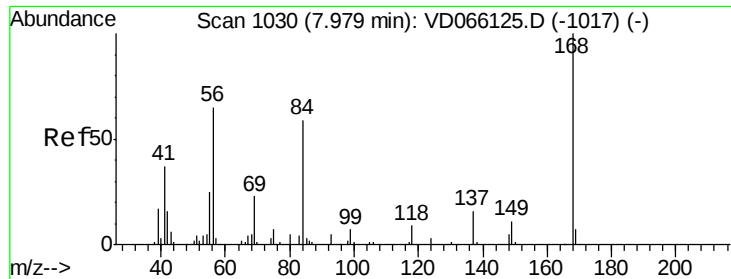
Tot Ion:142 Resp: 744
Ion Ratio Lower Upper
142 100
127 20.6 36.2 54.4#
141 7.3 12.6 18.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD066287.D
Acq: 18 Aug 2020 19:25

Tgt Ion: 59 Resp: 194
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#





#31

Cyclohexane

Concen: 1.696 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066287.D

Acq: 18 Aug 2020 19:25

Instrument :

MSVOA_D

ClientSampleId :

S405-K-SO-1-1.5-081420

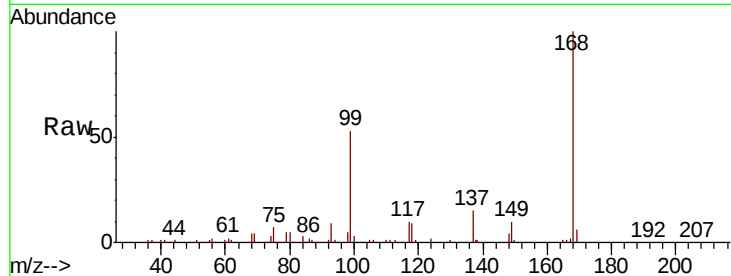
Tot Ion: 56 Resp: 5502

Ion Ratio Lower Upper

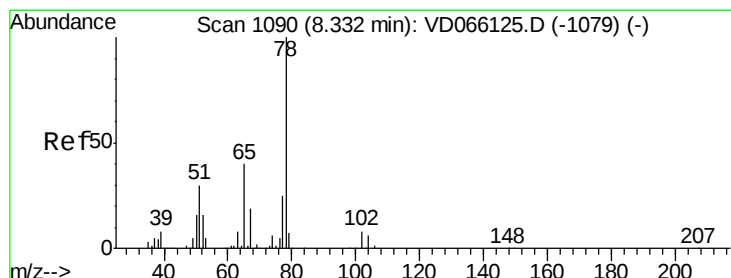
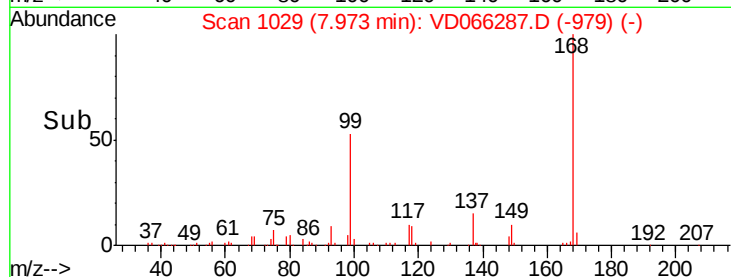
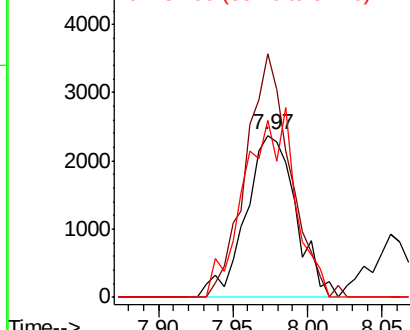
56 100

69 150.2 28.8 43.2#

84 109.6 73.0 109.6



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: 56.965 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066287.D

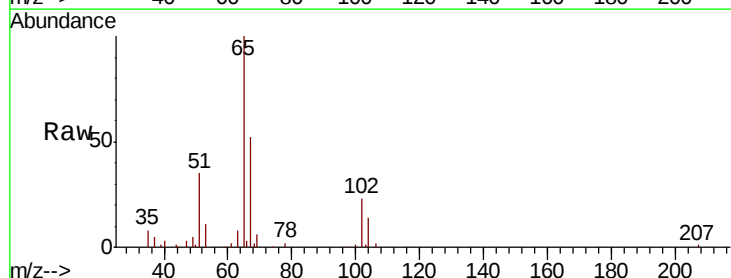
Acq: 18 Aug 2020 19:25

Tgt Ion: 65 Resp: 105469

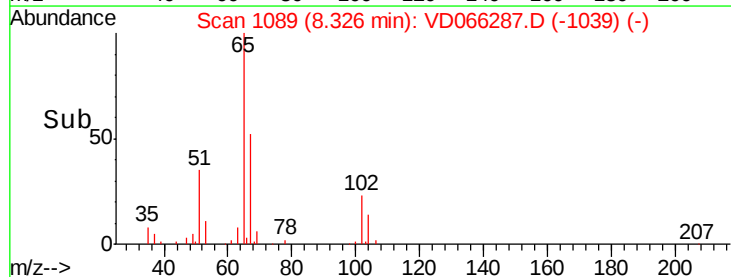
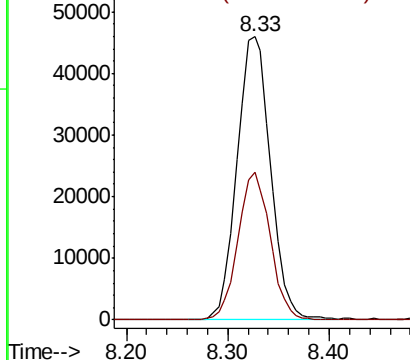
Ion Ratio Lower Upper

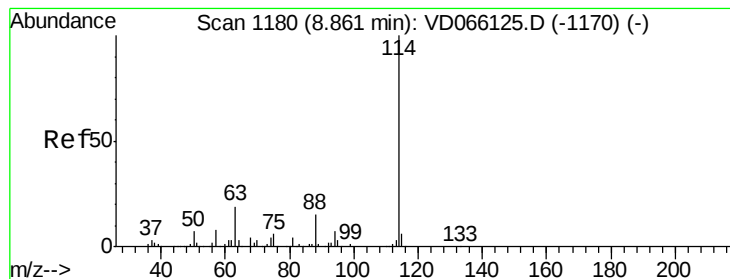
65 100

67 50.2 0.0 104.6



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: VD066287.D

Acq: 18 Aug 2020 19:25

Instrument :

MSVOA_D

ClientSampleId :

S405-K-SO-1-1.5-081420

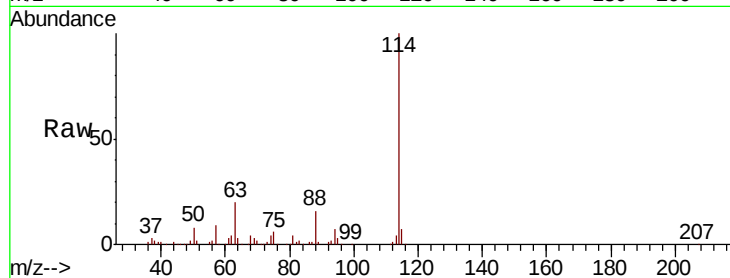
Tot Ion:114 Resp: 312074

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.6

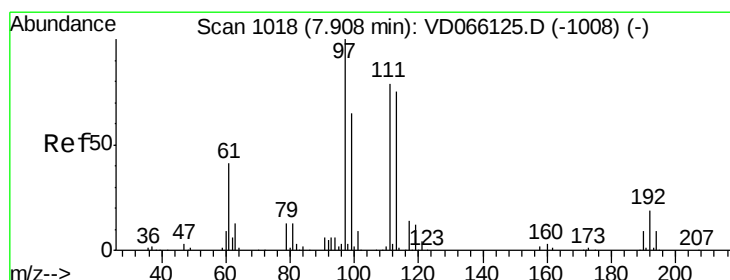
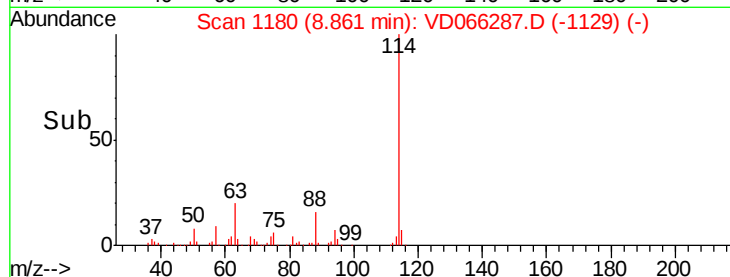
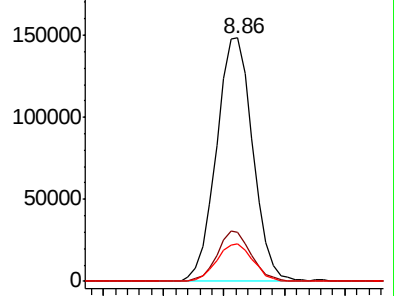
88 15.6 0.0 30.0



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: 53.079 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066287.D

Acq: 18 Aug 2020 19:25

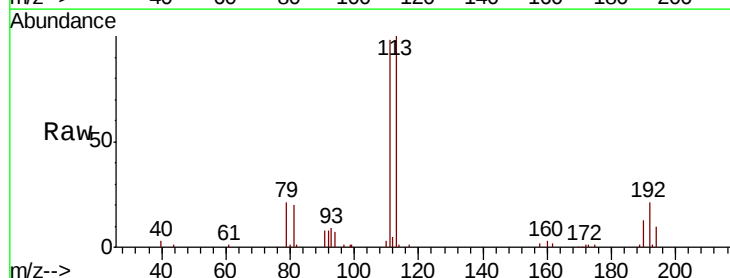
Tgt Ion:113 Resp: 104934

Ion Ratio Lower Upper

113 100

111 101.2 80.7 121.1

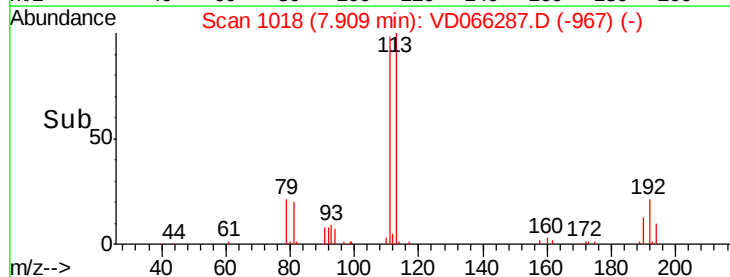
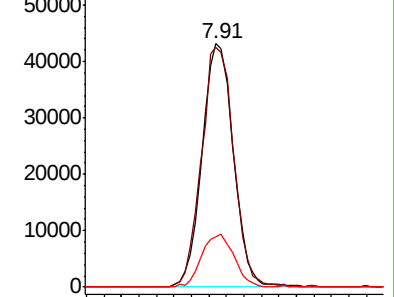
192 22.3 18.4 27.6

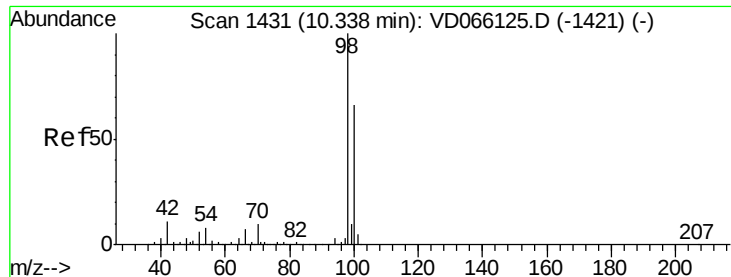


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 44.402 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066287.D

Acq: 18 Aug 2020 19:25

Instrument :

MSVOA_D

ClientSampleId :

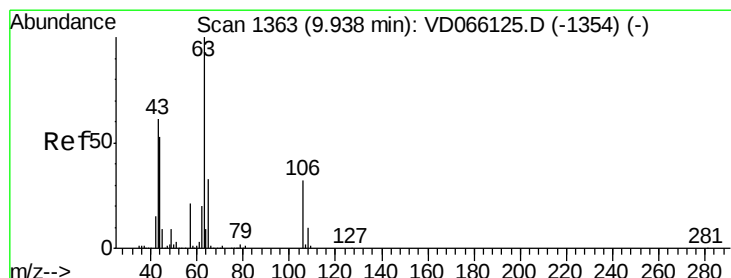
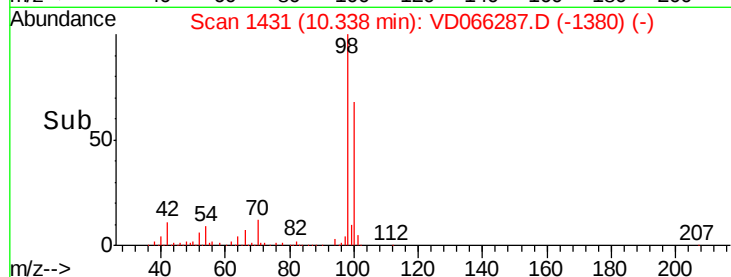
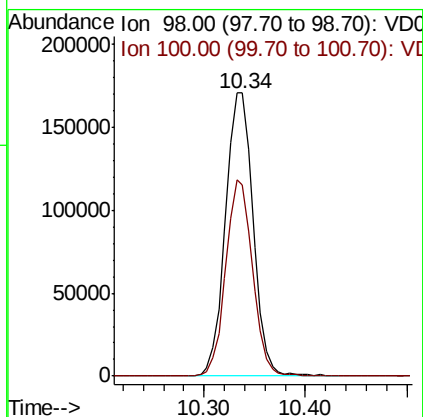
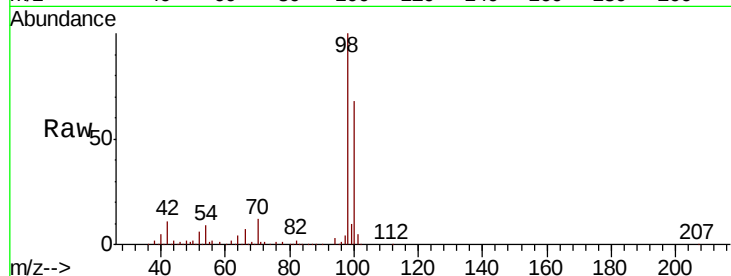
S405-K-SO-1-1.5-081420

Tot Ion: 98 Resp: 323936

Ion Ratio Lower Upper

98 100

100 67.1 52.6 78.8



#58

2-Chloroethyl Vinyl ether

Concen: 1.225 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066287.D

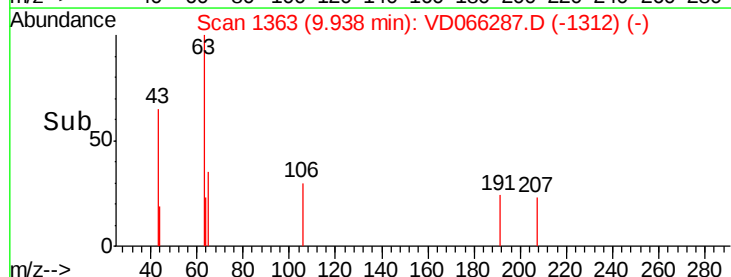
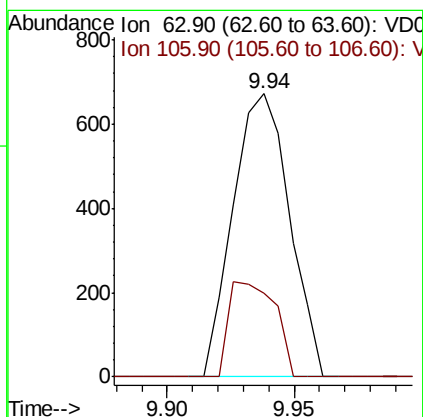
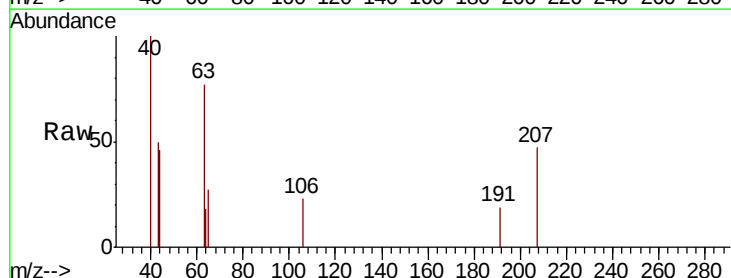
Acq: 18 Aug 2020 19:25

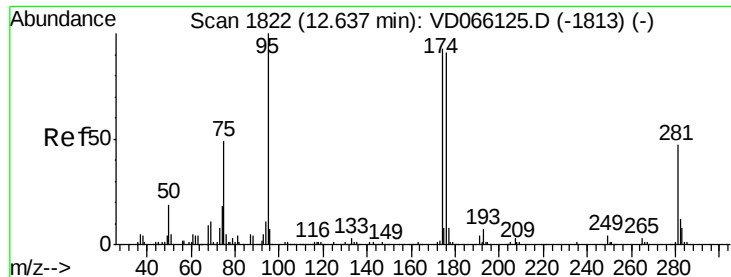
Tgt Ion: 63 Resp: 1045

Ion Ratio Lower Upper

63 100

106 27.5 25.3 37.9





#62

4-Bromofluorobenzene

Concen: 33.743 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066287.D

Acq: 18 Aug 2020 19:25

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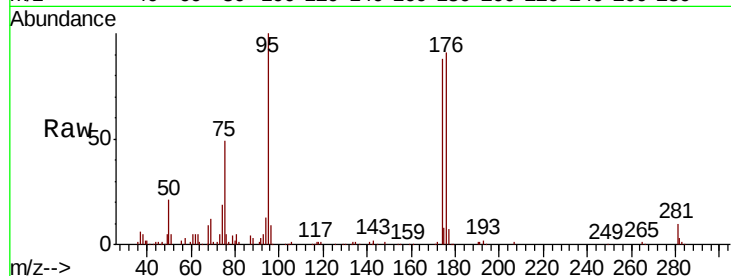
Tot Ion: 95 Resp: 88736

Ion Ratio Lower Upper

95 100

174 91.6 0.0 180.8

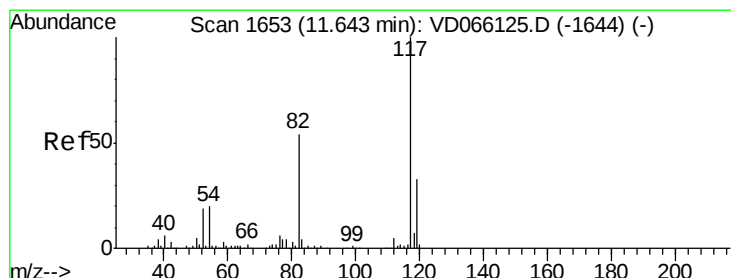
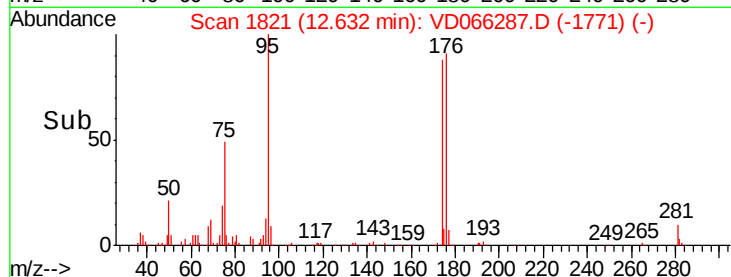
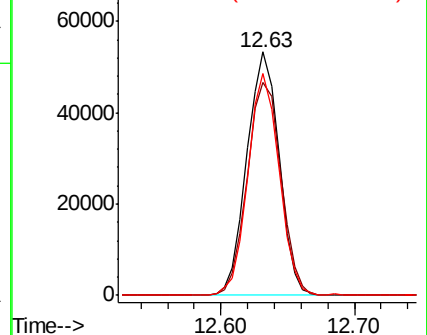
176 88.4 0.0 181.2



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: VD066287.D

Acq: 18 Aug 2020 19:25

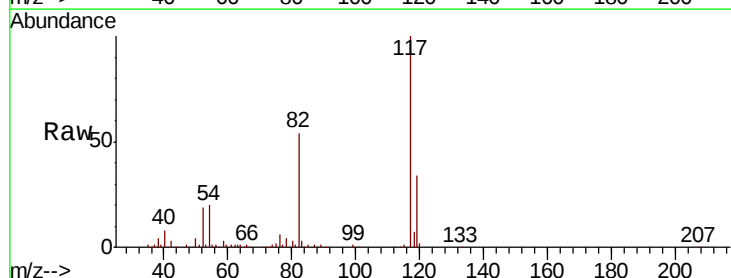
Tgt Ion: 117 Resp: 253795

Ion Ratio Lower Upper

117 100

82 53.6 43.0 64.4

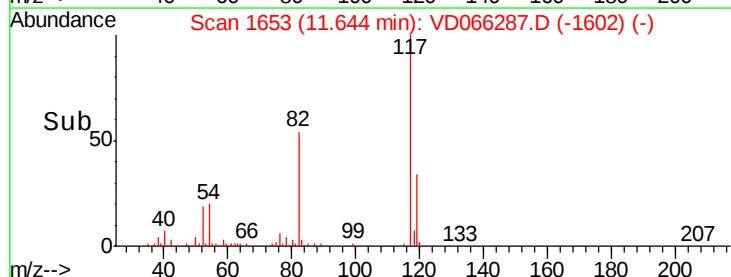
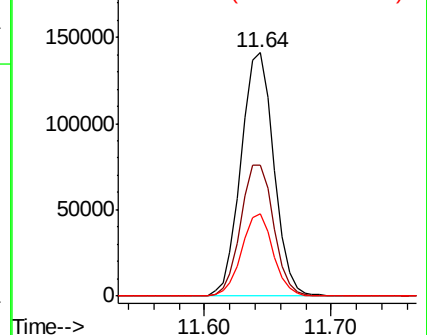
119 33.9 26.1 39.1

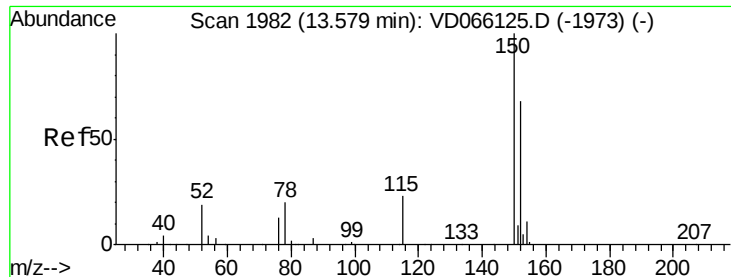


Abundance Ion 116.90 (116.60 to 117.60): V

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: 13.57 min Scan# 1981

Delta R.T. -0.01 min

Lab File: VD066287.D

Acq: 18 Aug 2020 19:25

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S405-K-SO-1-1.5-081420

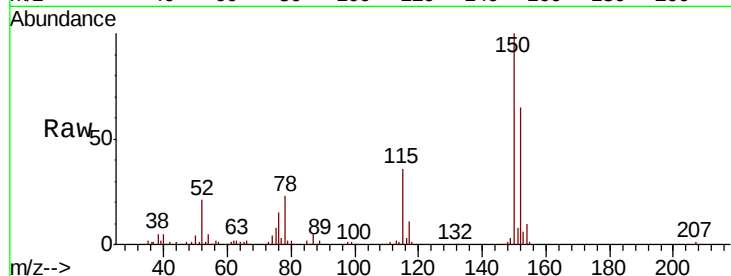
Tot Ion:152 Resp: 83534

Ion Ratio Lower Upper

152 100

115 55.6 28.0 83.9

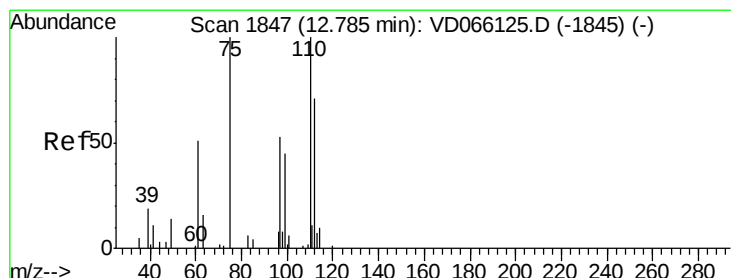
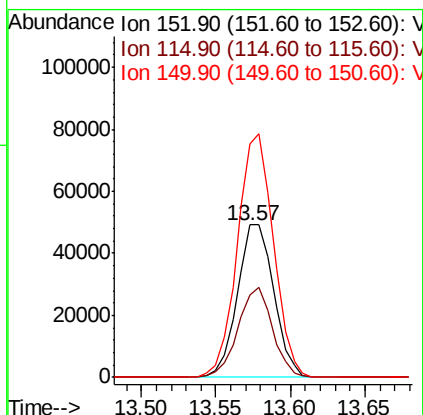
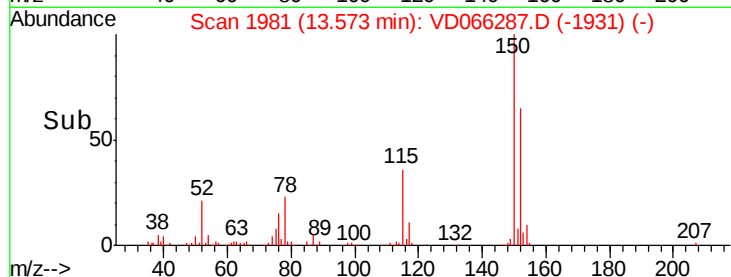
150 157.1 0.0 346.4



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: 64.788 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066287.D

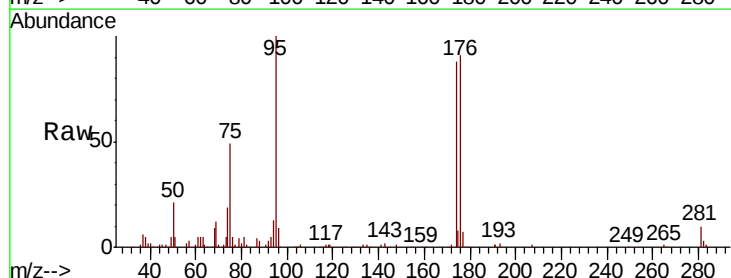
Acq: 18 Aug 2020 19:25

Tgt Ion: 75 Resp: 45132

Ion Ratio Lower Upper

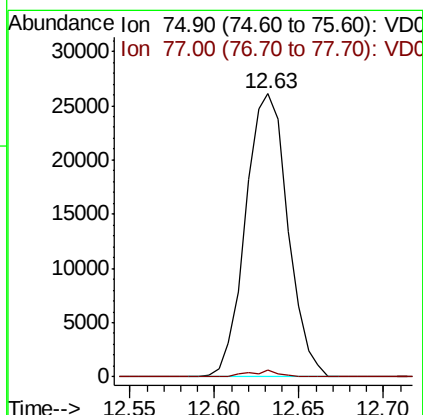
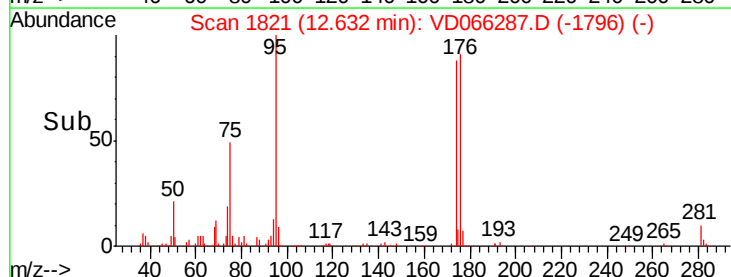
75 100

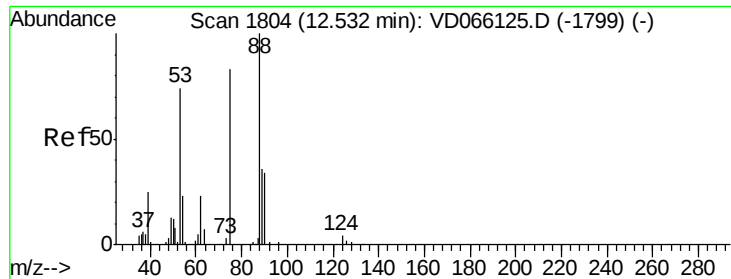
77 1.6 0.0 0.0#



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: 143.217 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066287.D

Acq: 18 Aug 2020 19:25

Instrument :

MSVOA_D

ClientSampleId :

S405-K-SO-1-1.5-081420

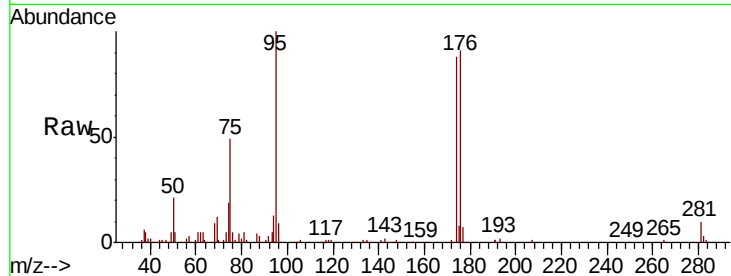
Tot Ion: 75 Resp: 45132

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.0 36.6 55.0#



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

