

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082319\
 Data File : VD063758.D
 Acq On : 23 Aug 2019 11:32
 Operator : JC/SY
 Sample : K4491-02RE
 Misc : 4.85µl/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TS-1-VERE

Quant Time: Aug 26 01:23:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

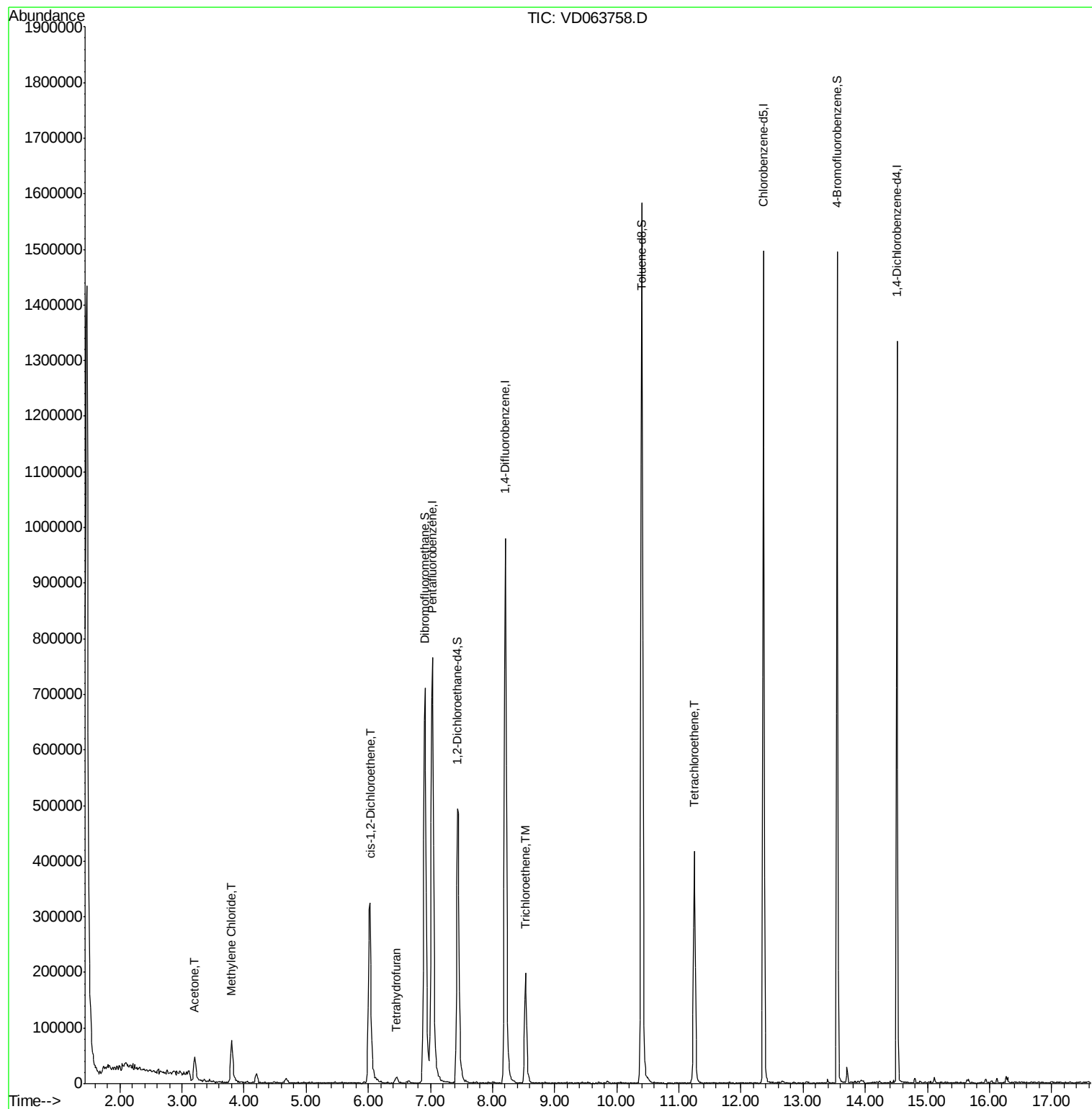
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	777347	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	1101969	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	789700	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	279278	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	562583	67.71	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	135.42%	
35) Dibromofluoromethane	6.91	113	618647	66.66	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	133.32%	
50) Toluene-d8	10.40	98	1281682	62.81	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	125.62%	
62) 4-Bromofluorobenzene	13.55	95	411370	44.48	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	88.96%	
Target Compounds						
					Qvalue	
16) Acetone	3.20	43	84087	49.782	ug/l #	90
20) Methylene Chloride	3.80	84	47044	6.441	ug/l #	84
27) cis-1,2-Dichloroethene	6.03	96	206292	28.525	ug/l	84
29) Tetrahydrofuran	6.45	42	9097	11.703	ug/l	95
44) Trichloroethene	8.54	130	88785	10.835	ug/l	75
64) Tetrachloroethene	11.25	164	113765	18.661	ug/l	94

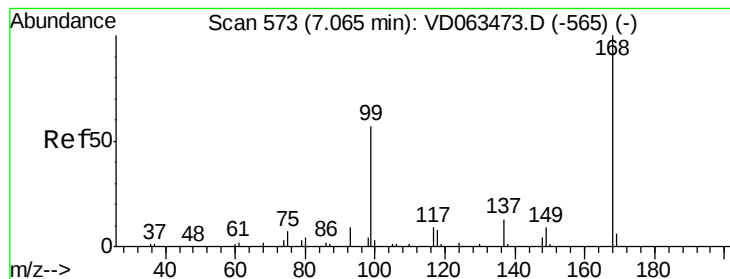
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD063758.D

Acq: 23 Aug 2019 11:32

Instrument :

MSVOA_D

ClientSampleId :

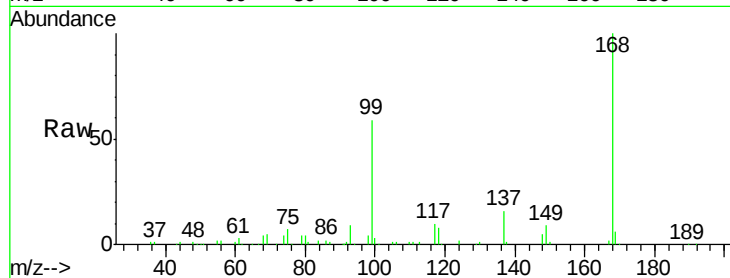
TS-1-VERE

Tot Ion:168 Resp: 777347

Ion Ratio Lower Upper

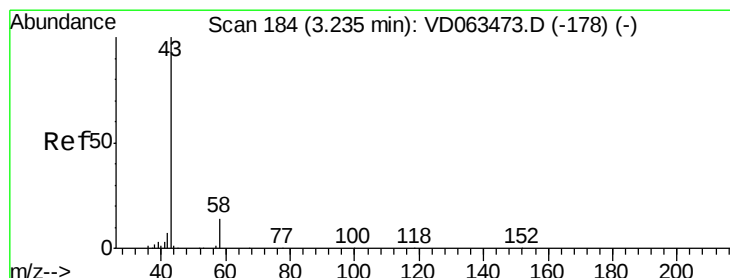
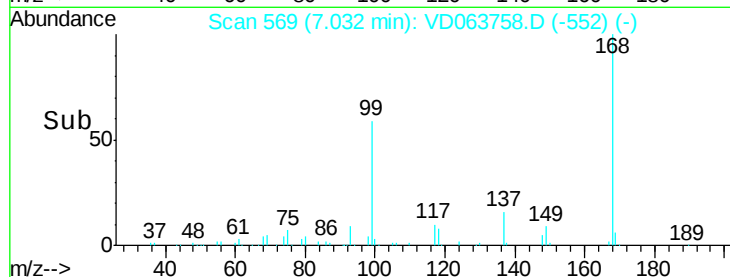
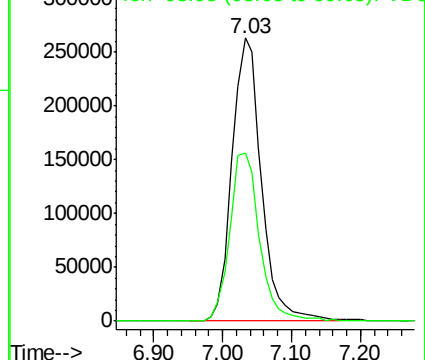
168 100

99 59.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 49.782 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD063758.D

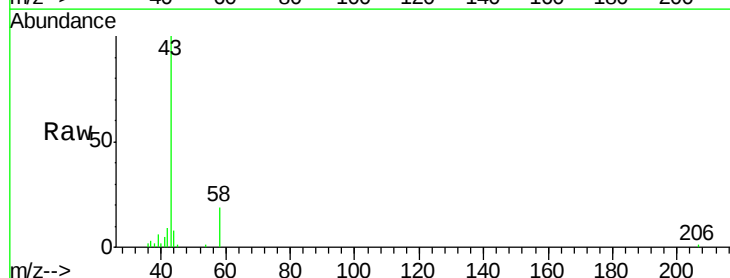
Acq: 23 Aug 2019 11:32

Tgt Ion: 43 Resp: 84087

Ion Ratio Lower Upper

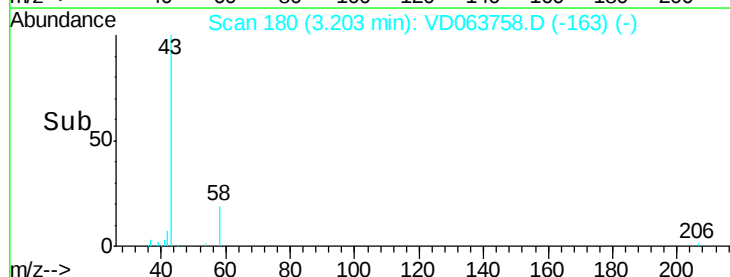
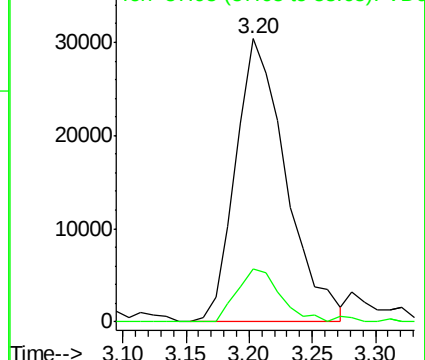
43 100

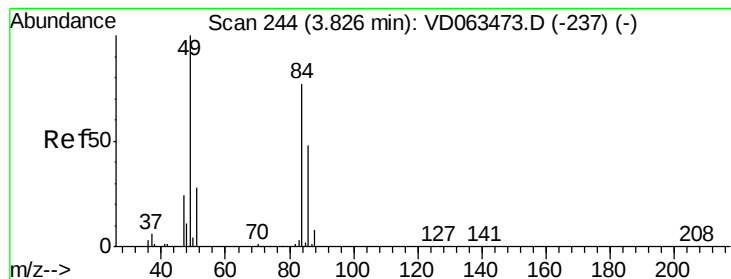
58 18.6 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 6.441 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD063758.D

Acq: 23 Aug 2019 11:32

Instrument :

MSVOA_D

ClientSampleId :

TS-1-VERE

Tot Ion: 84 Resp: 47044

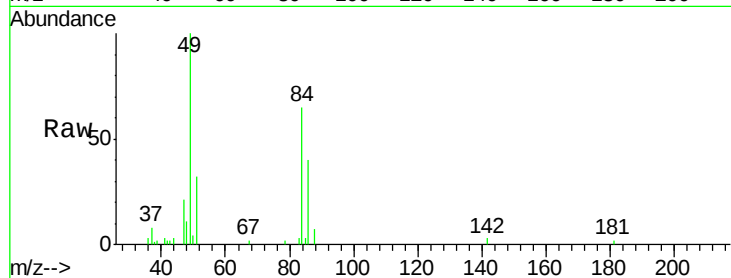
Ion Ratio Lower Upper

84 100

49 153.8 103.4 155.2

51 49.5 28.5 42.7#

86 62.2 49.4 74.2

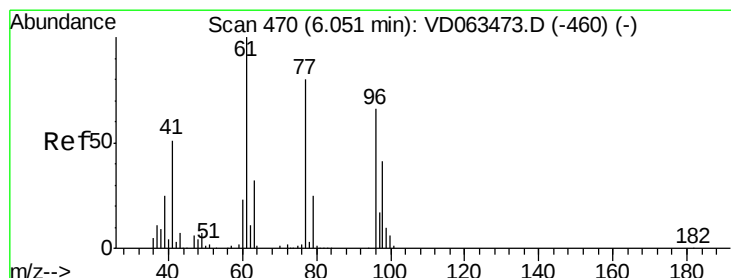
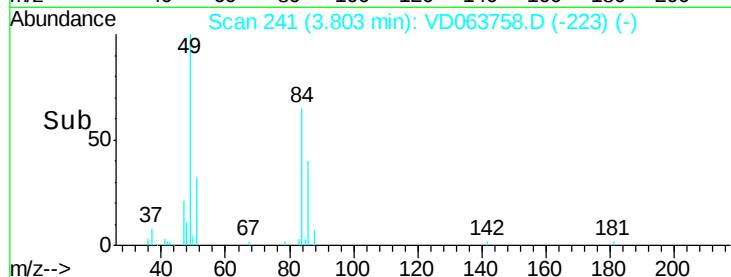
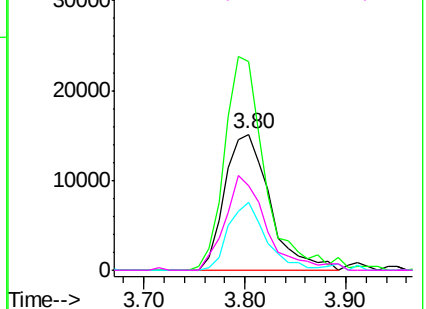


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#27

cis-1,2-Dichloroethene

Concen: 28.525 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD063758.D

Acq: 23 Aug 2019 11:32

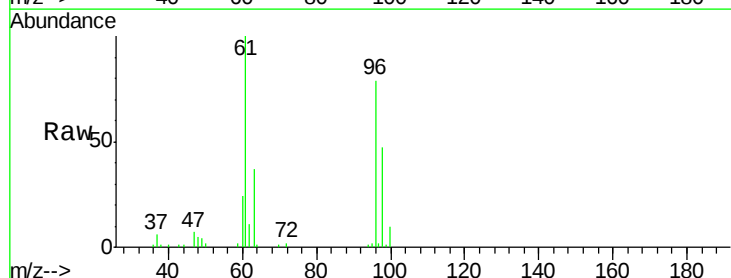
Tgt Ion: 96 Resp: 206292

Ion Ratio Lower Upper

96 100

61 126.3 0.0 304.0

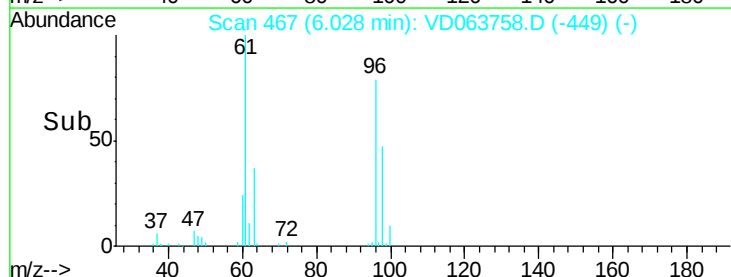
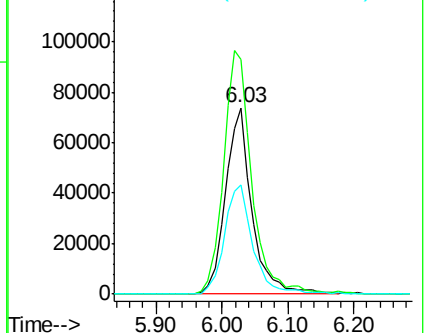
98 58.9 0.0 124.8

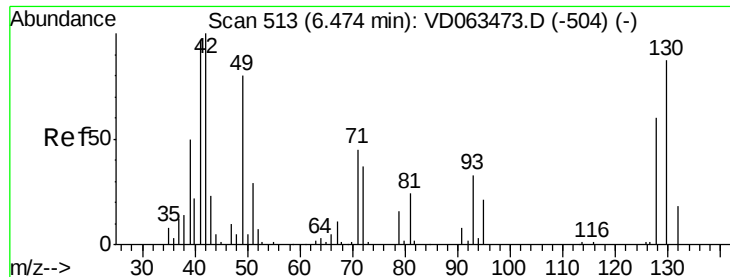


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#29

Tetrahydrofuran

Concen: 11.703 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD063758.D

Acq: 23 Aug 2019 11:32

Instrument :

MSVOA_D

ClientSampleId :

TS-1-VERE

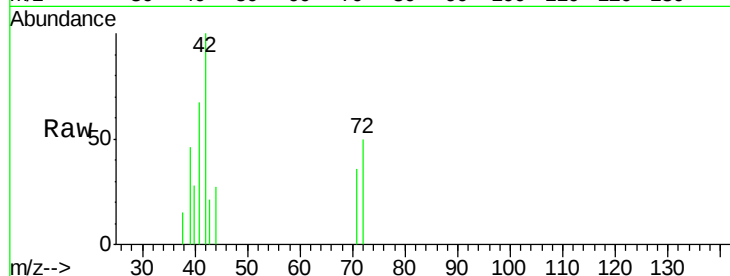
Tot Ion: 42 Resp: 9097

Ion Ratio Lower Upper

42 100

72 43.8 31.5 47.3

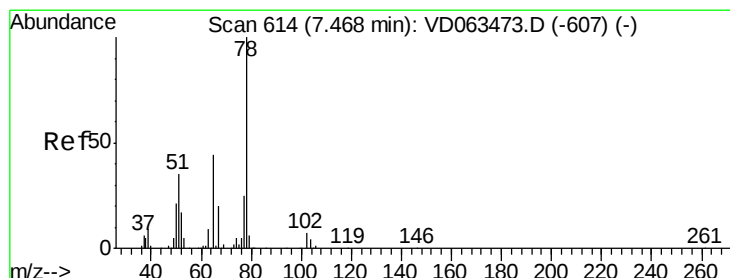
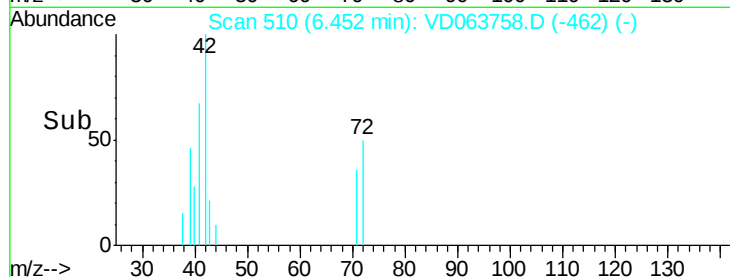
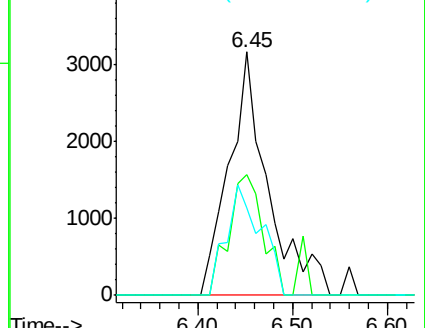
71 40.3 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 67.706 ug/l

RT: 7.45 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD063758.D

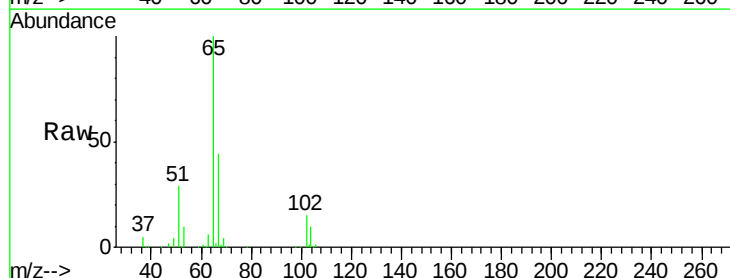
Acq: 23 Aug 2019 11:32

Tgt Ion: 65 Resp: 562583

Ion Ratio Lower Upper

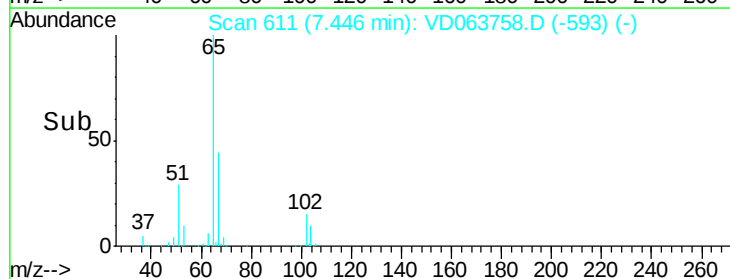
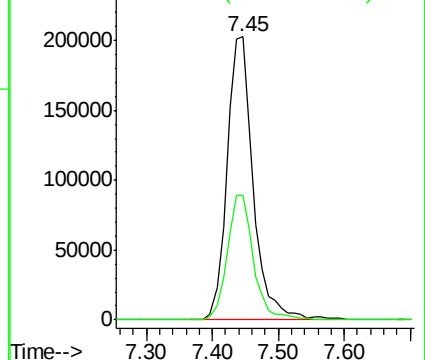
65 100

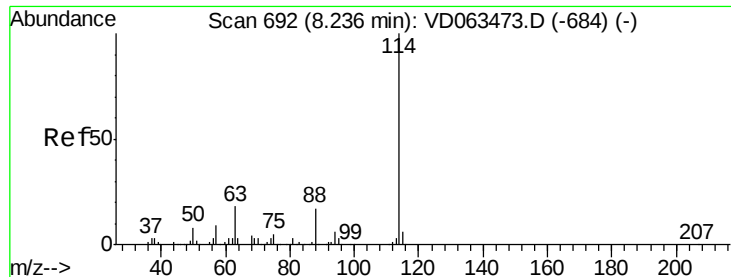
67 44.1 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.03 min

Lab File: VD063758.D

Acq: 23 Aug 2019 11:32

Instrument :

MSVOA_D

ClientSampled :

TS-1-VERE

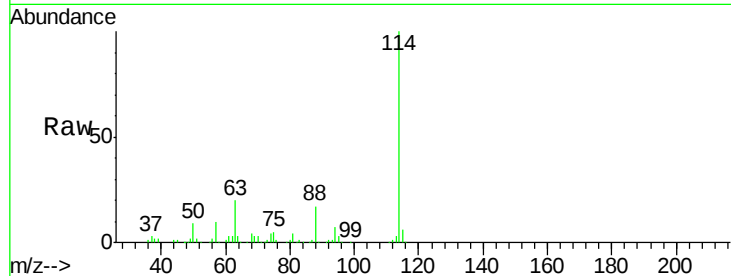
Tot Ion:114 Resp: 1101969

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.2

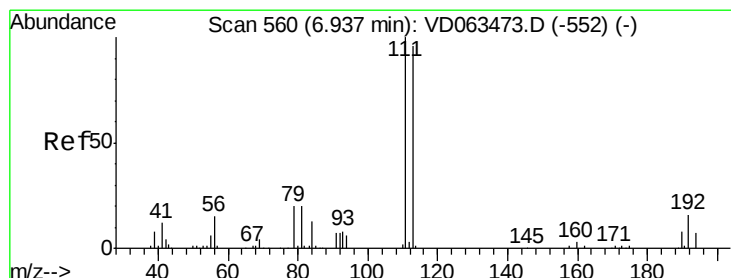
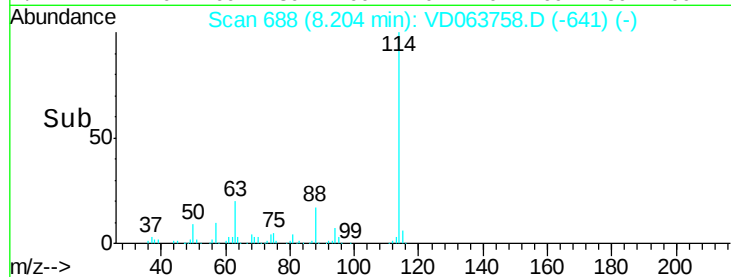
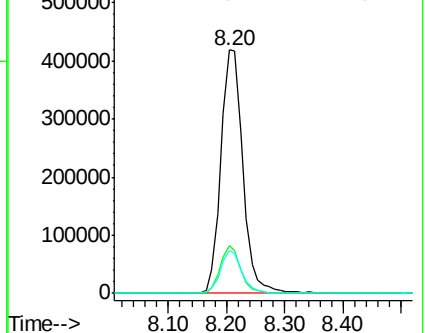
88 17.3 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 66.658 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD063758.D

Acq: 23 Aug 2019 11:32

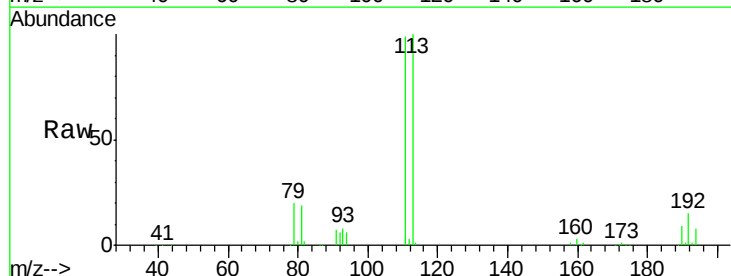
Tgt Ion:113 Resp: 618647

Ion Ratio Lower Upper

113 100

111 98.7 83.1 124.7

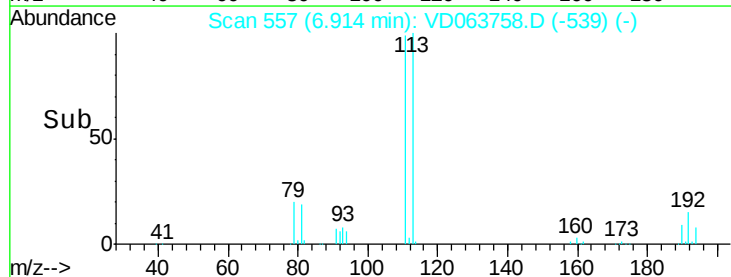
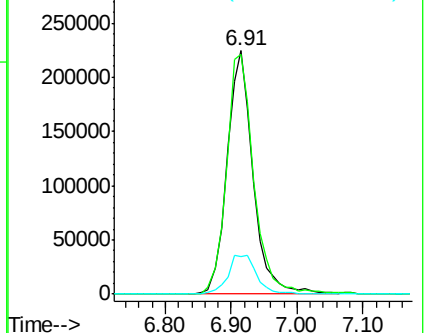
192 15.3 13.1 19.7

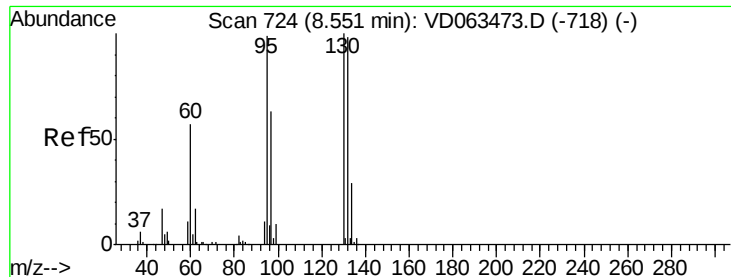


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#44

Trichloroethene

Concen: 10.835 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD063758.D

Acq: 23 Aug 2019 11:32

Instrument :

MSVOA_D

ClientSampleId :

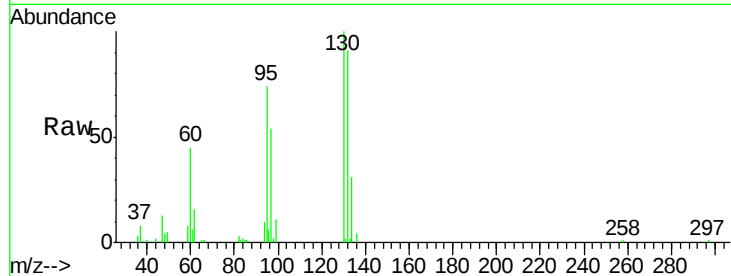
TS-1-VERE

Tot Ion:130 Resp: 88785

Ion Ratio Lower Upper

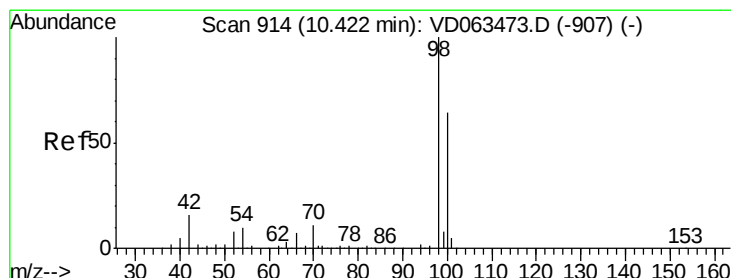
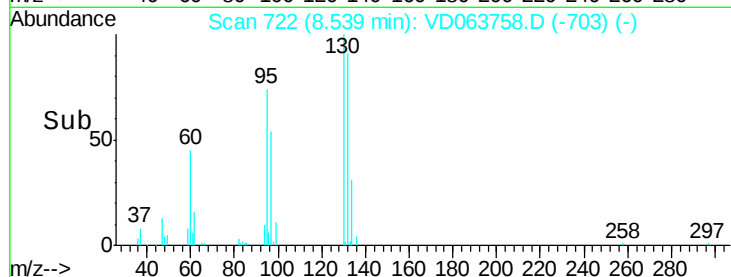
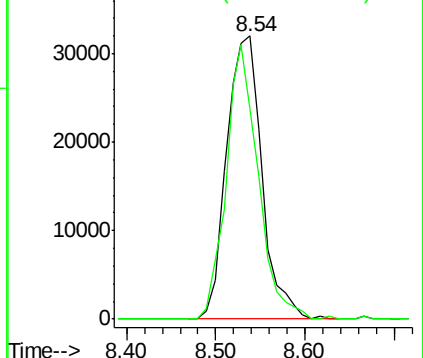
130 100

95 74.5 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: 62.814 ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.02 min

Lab File: VD063758.D

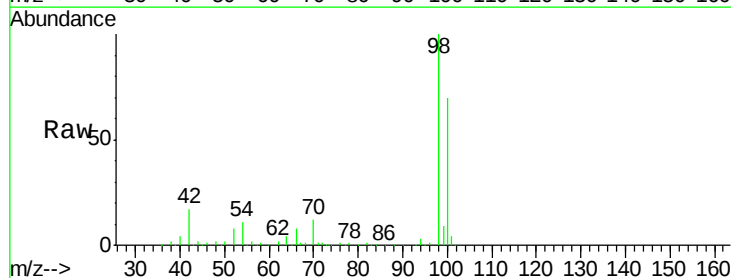
Acq: 23 Aug 2019 11:32

Tgt Ion: 98 Resp: 1281682

Ion Ratio Lower Upper

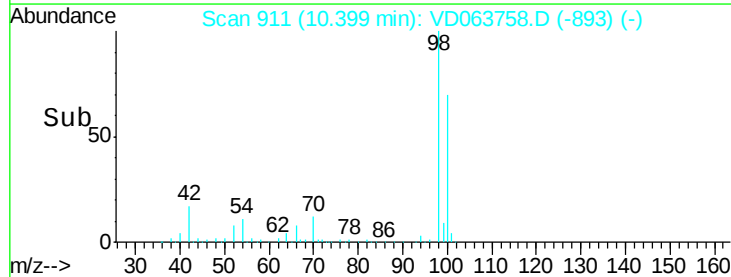
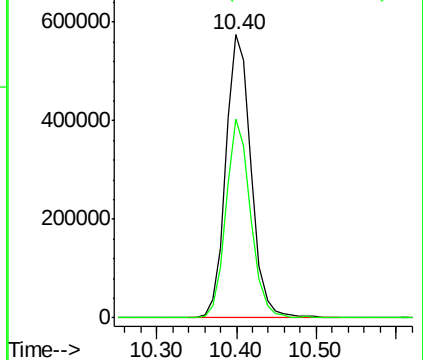
98 100

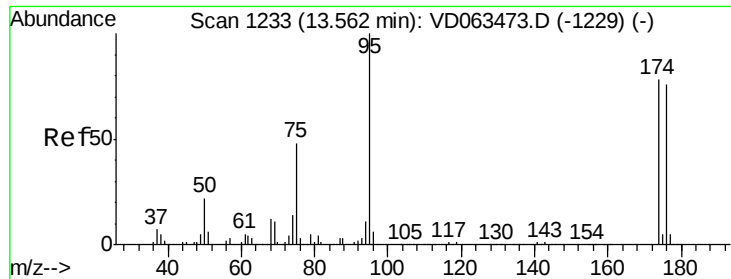
100 70.2 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

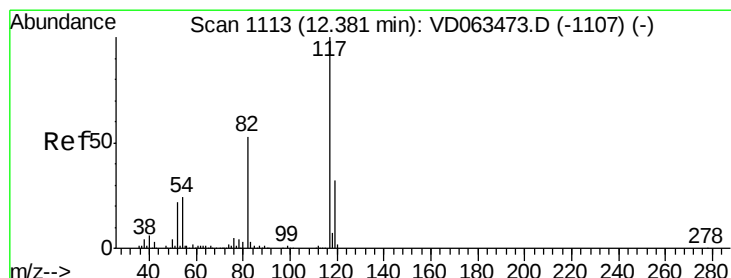
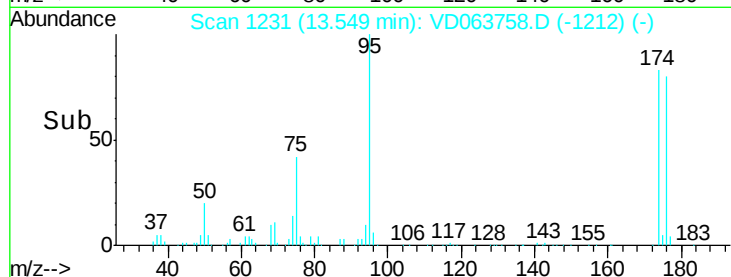
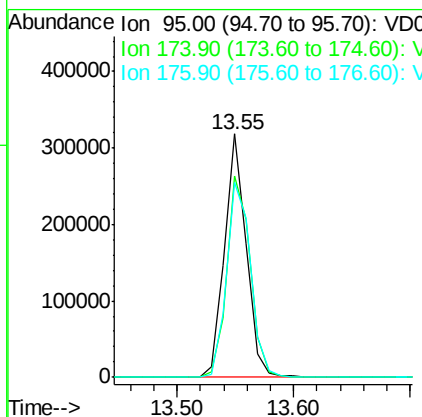
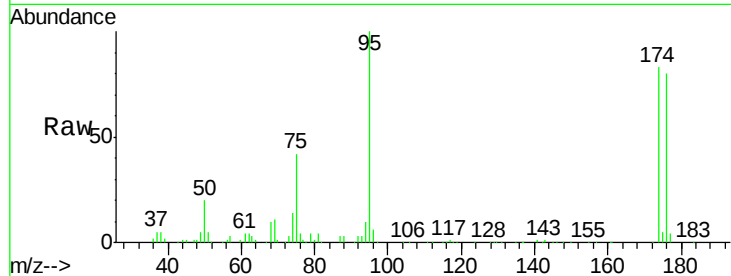




#62
4-Bromofluorobenzene
Concen: 44.481 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063758.D
Acq: 23 Aug 2019 11:32

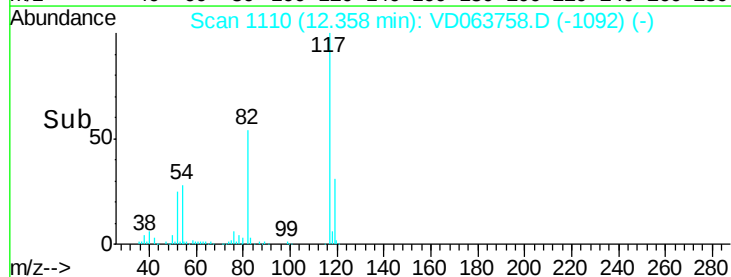
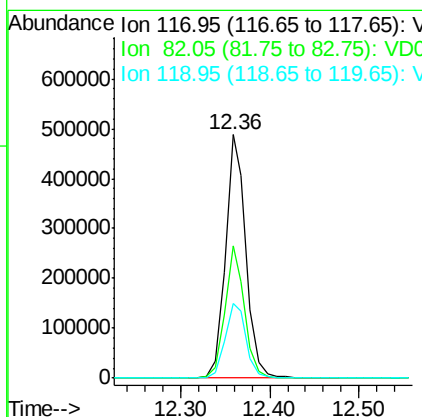
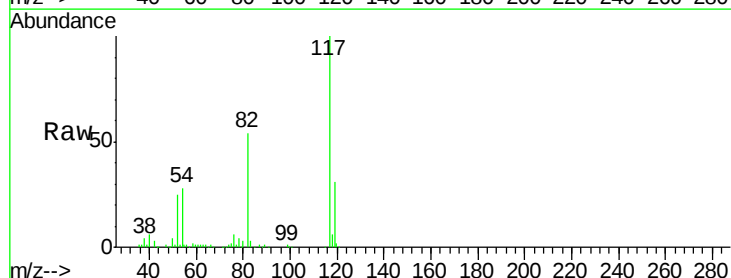
Instrument :
MSVOA_D
ClientSampleId :
TS-1-VERE

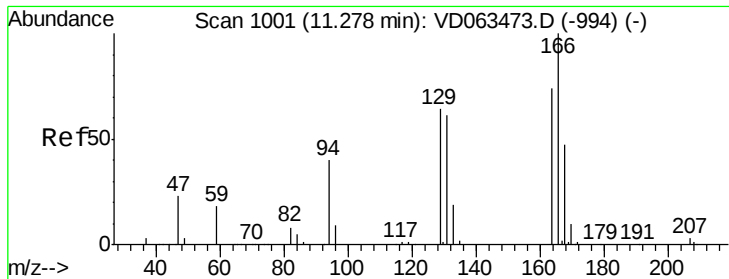
Tot Ion: 95 Resp: 411370
Ion Ratio Lower Upper
95 100
174 82.6 0.0 155.4
176 79.9 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD063758.D
Acq: 23 Aug 2019 11:32

Tgt Ion: 117 Resp: 789700
Ion Ratio Lower Upper
117 100
82 54.3 42.0 63.0
119 30.7 25.4 38.0

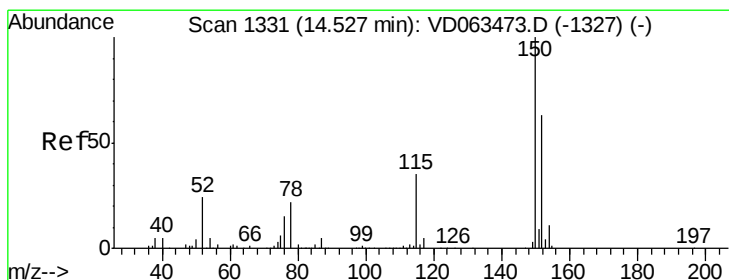
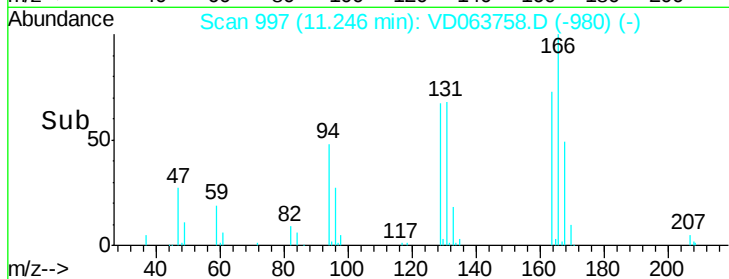
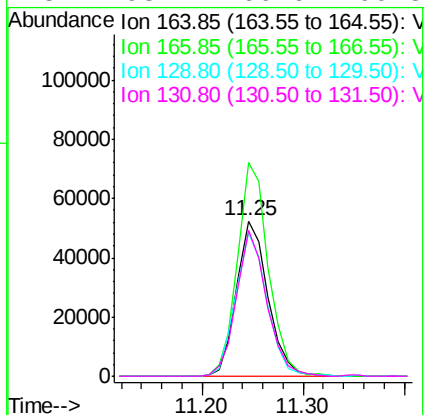
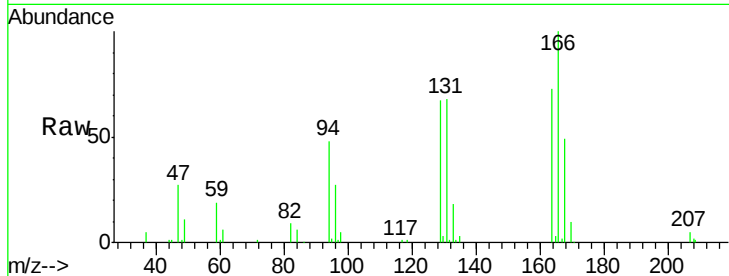




#64
Tetrachloroethene
Concen: 18.661 ug/l
RT: 11.25 min Scan# 997
Delta R.T. -0.03 min
Lab File: VD063758.D
Acq: 23 Aug 2019 11:32

Instrument :
MSVOA_D
ClientSampleId :
TS-1-VERE

Tot Ion	Ratio	Lower	Upper
164	100		
166	137.5	108.6	163.0
129	92.6	69.0	103.6
131	93.7	66.6	99.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063758.D
Acq: 23 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	30.9	92.7
150	154.2	0.0	318.6

