

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064617.D
 Acq On : 27 Dec 2019 01:06
 Operator : VA/SY
 Sample : K6438-10
 Misc : 5.44G/5.00ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 05:02:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

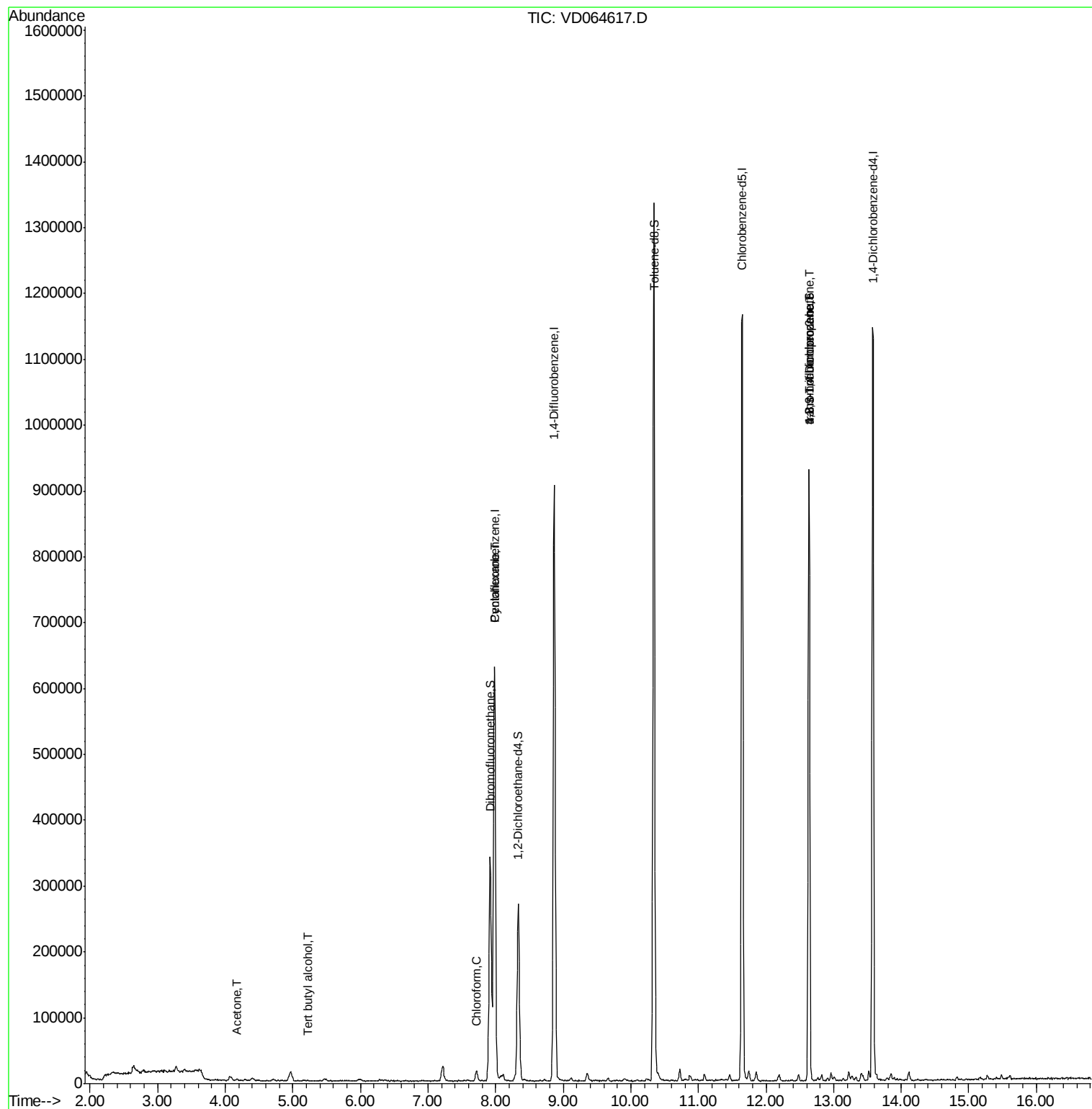
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	493897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	766910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	675711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310280	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	220389	50.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.20%	
35) Dibromofluoromethane	7.92	113	236223	50.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.42%	
50) Toluene-d8	10.34	98	913802	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.64	95	279250	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.02%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.23	59	370	1.482	ug/l #	89
16) Acetone	4.17	43	3850	7.884	ug/l	100
20) Methylene Chloride	4.97	84	10530	Below Cal		93
30) Chloroform	7.71	83	13117	1.541	ug/l	98
31) Cyclohexane	7.99	56	14131	1.740	ug/l #	32
76) 1,2,3-Trichloropropane	12.64	75	146558	59.816	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	146558	125.102	ug/l #	10

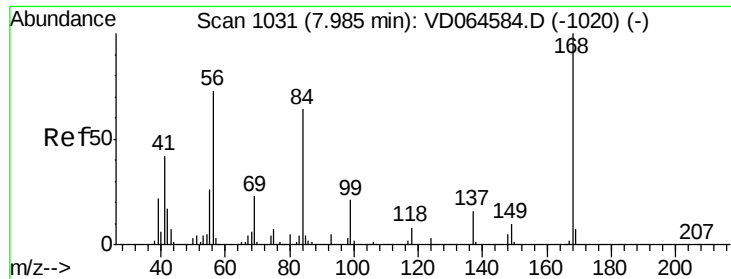
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064617.D

Acq: 27 Dec 2019 01:06

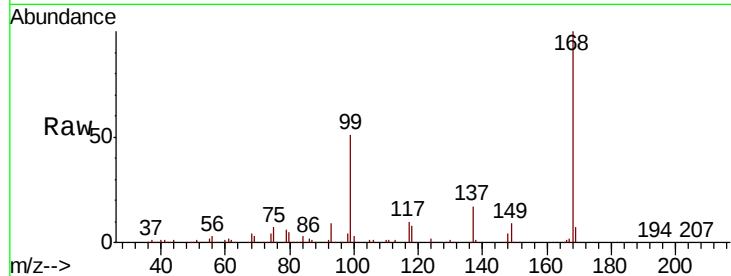
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 493897

Ion Ratio Lower Upper

168 100

99 50.7 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

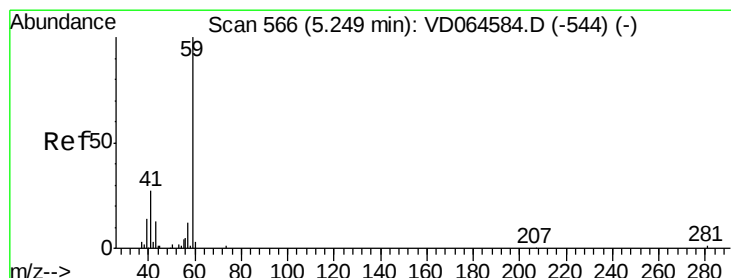
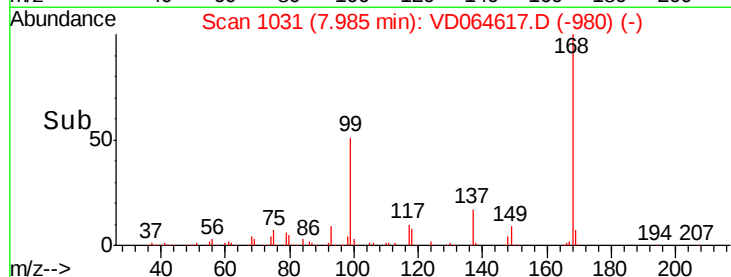
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.482 ug/l

RT: 5.23 min Scan# 562

Delta R.T. -0.02 min

Lab File: VD064617.D

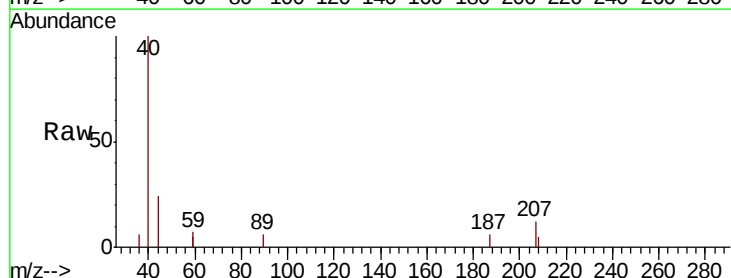
Acq: 27 Dec 2019 01:06

Tgt Ion: 59 Resp: 370

Ion Ratio Lower Upper

59 100

57 15.9 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.23

400

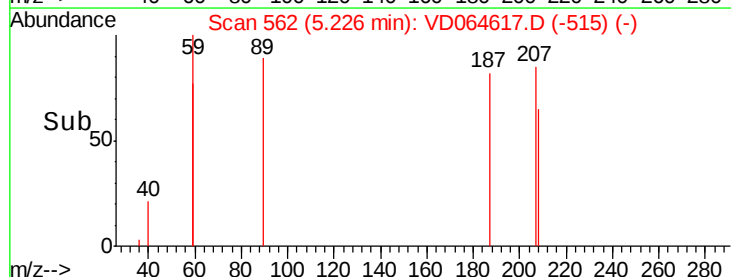
300

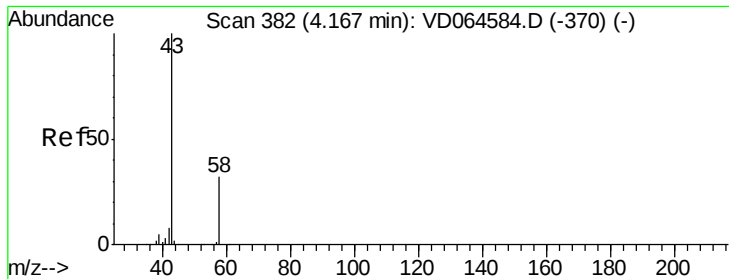
200

100

0

Time-->





#16

Acetone

Concen: 7.884 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064617.D

Acq: 27 Dec 2019 01:06

Instrument :

MSVOA_D

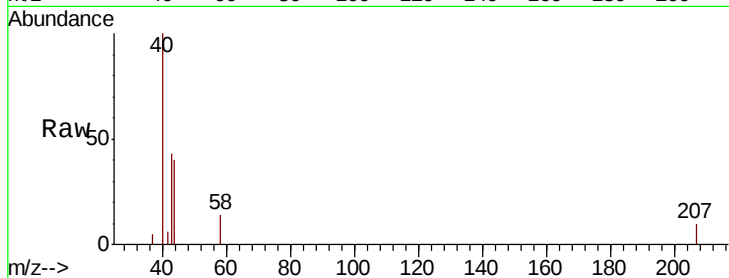
ClientSampleId :

Tot Ion: 43 Resp: 3850

Ion Ratio Lower Upper

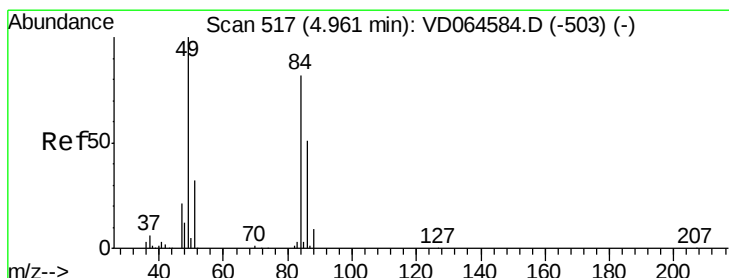
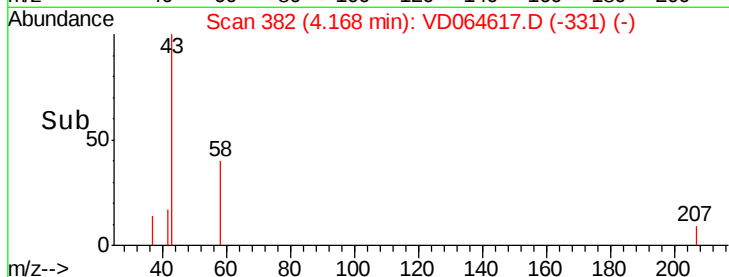
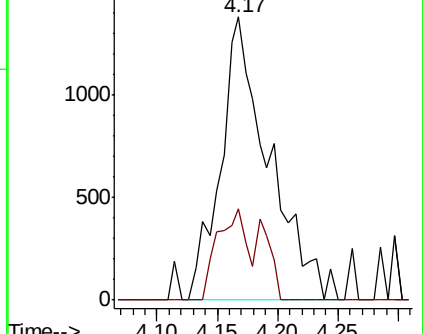
43 100

58 32.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064617.D

Acq: 27 Dec 2019 01:06

Tgt Ion: 84 Resp: 10530

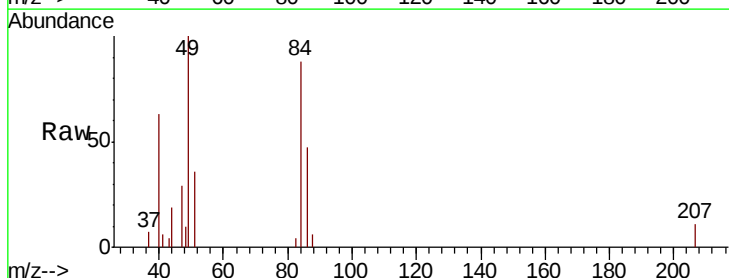
Ion Ratio Lower Upper

84 100

49 113.4 97.2 145.8

51 40.6 31.4 47.0

86 53.1 49.3 73.9

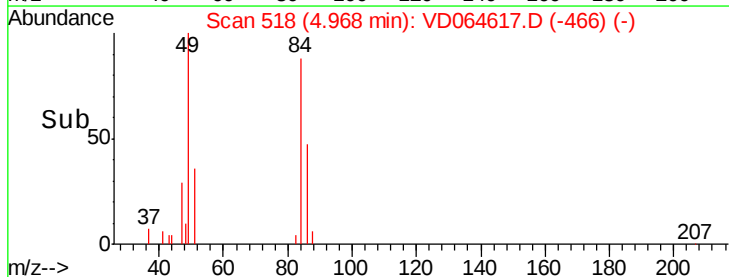
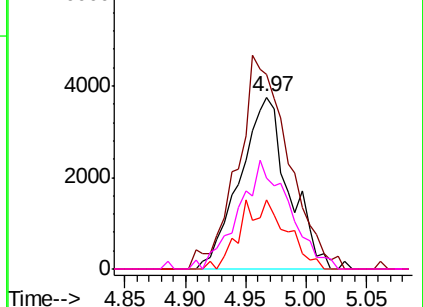


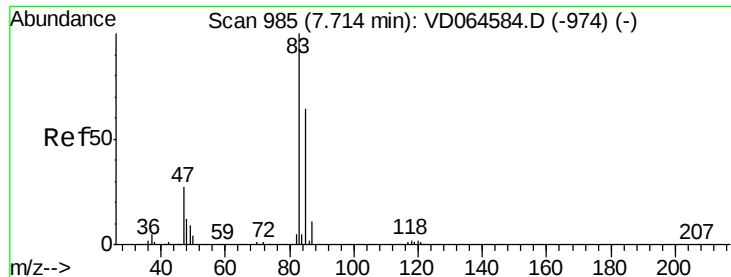
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

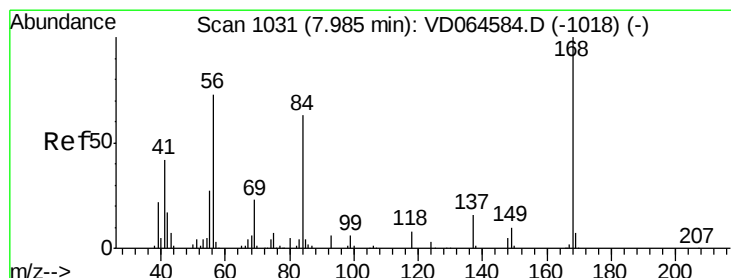
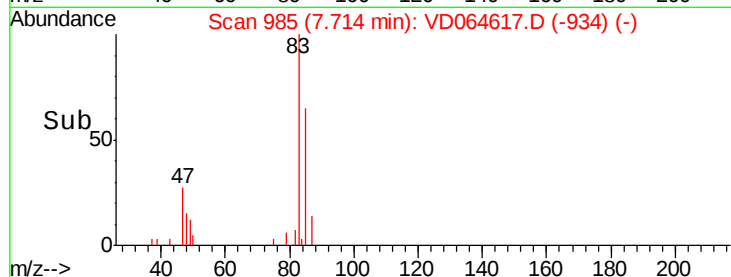
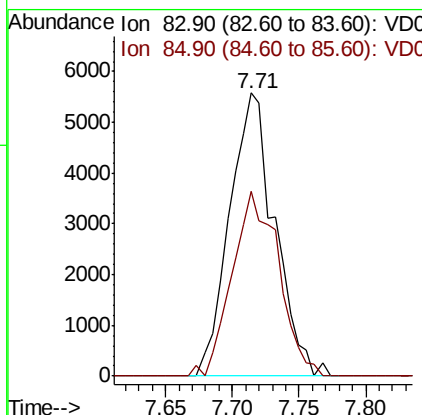
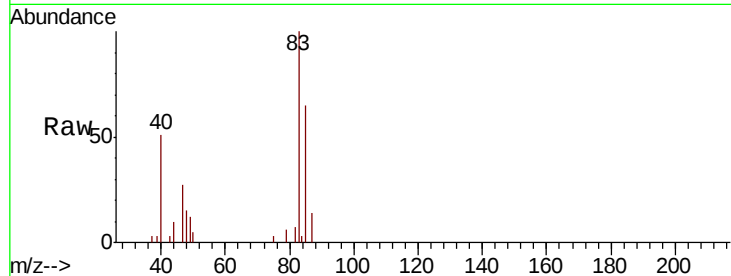




#30
Chloroform
Concen: 1.541 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064617.D
Acq: 27 Dec 2019 01:06

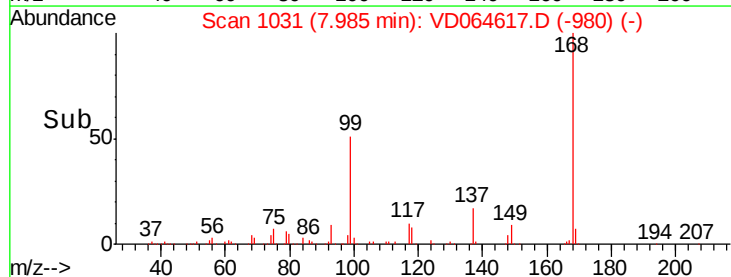
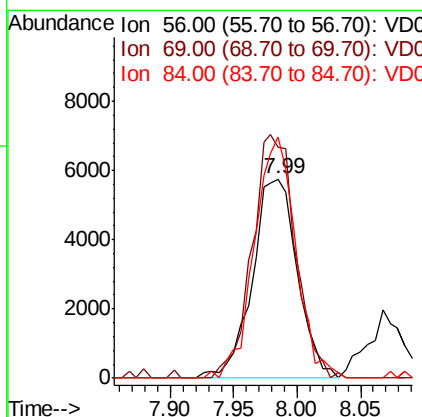
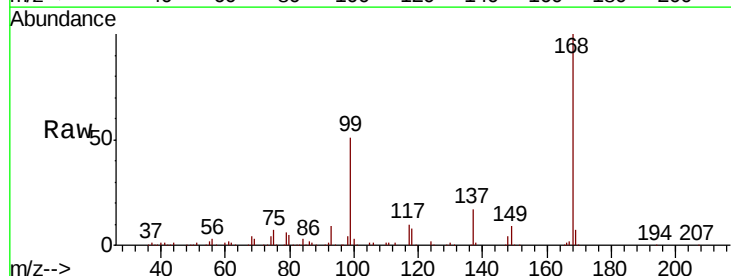
Instrument :
MSVOA_D
ClientSampleId :

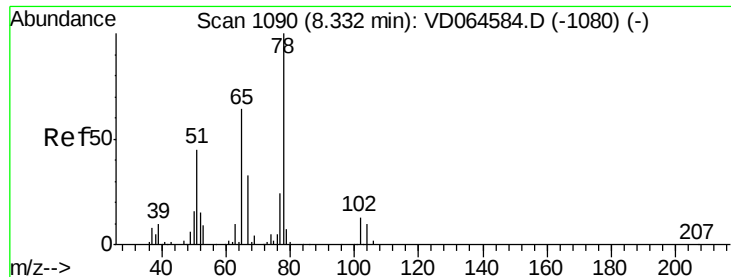
Tot Ion: 83 Resp: 13117
Ion Ratio Lower Upper
83 100
85 65.4 51.1 76.7



#31
Cyclohexane
Concen: 1.740 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064617.D
Acq: 27 Dec 2019 01:06

Tgt Ion: 56 Resp: 14131
Ion Ratio Lower Upper
56 100
69 116.1 24.7 37.1#
84 121.0 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 50.605 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064617.D

Acq: 27 Dec 2019 01:06

Instrument :

MSVOA_D

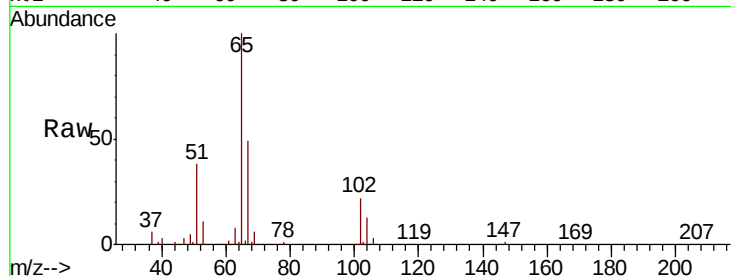
ClientSampleId :

Tot Ion: 65 Resp: 220389

Ion Ratio Lower Upper

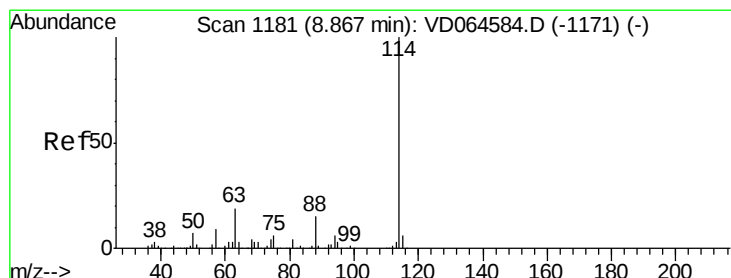
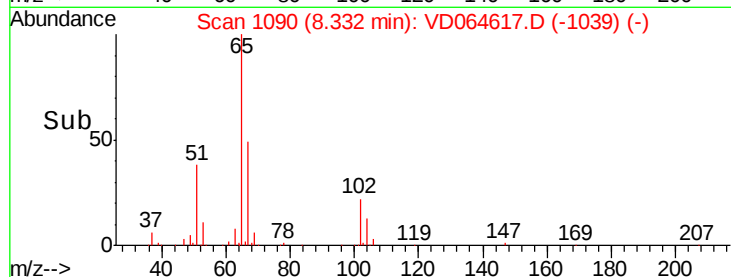
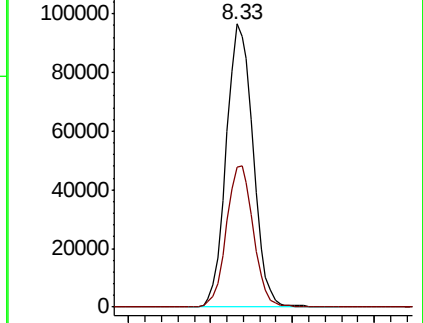
65 100

67 50.1 0.0 106.2



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: VD064617.D

Acq: 27 Dec 2019 01:06

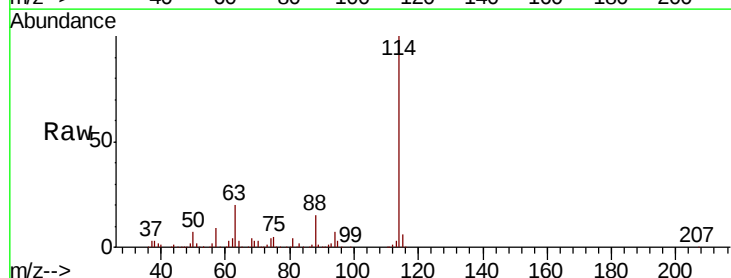
Tgt Ion: 114 Resp: 766910

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.0

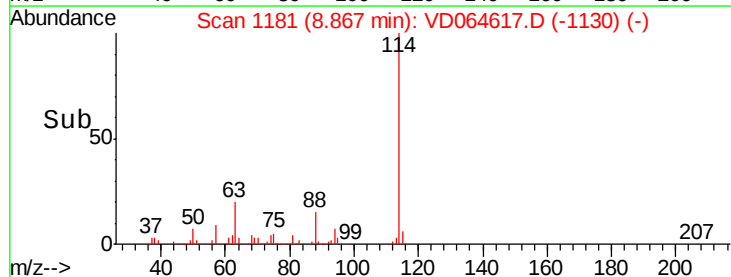
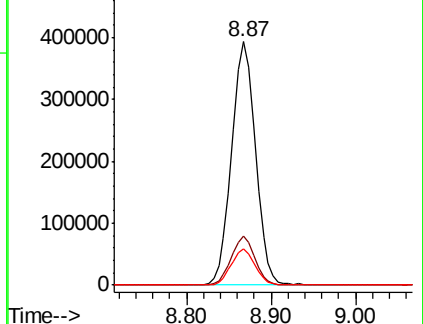
88 14.6 0.0 29.2

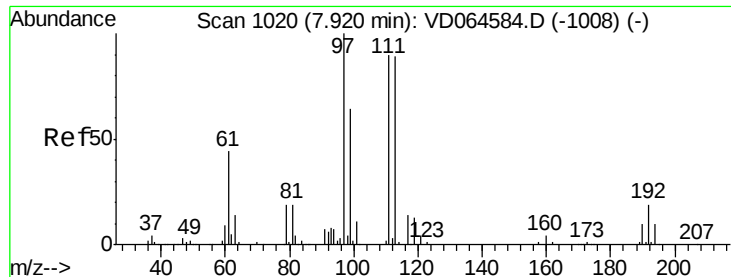


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

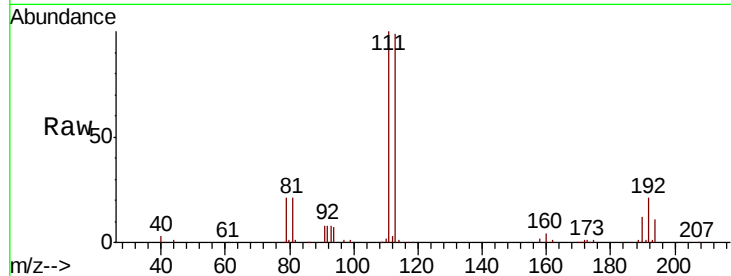




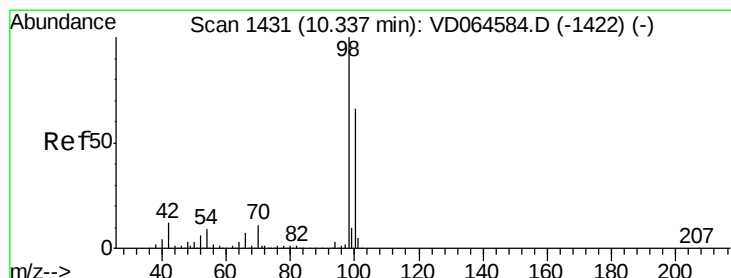
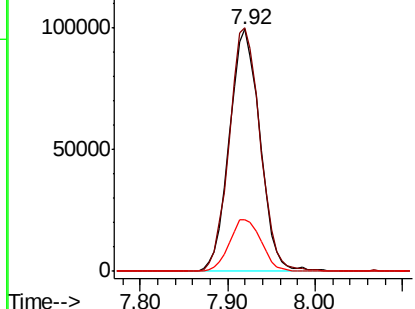
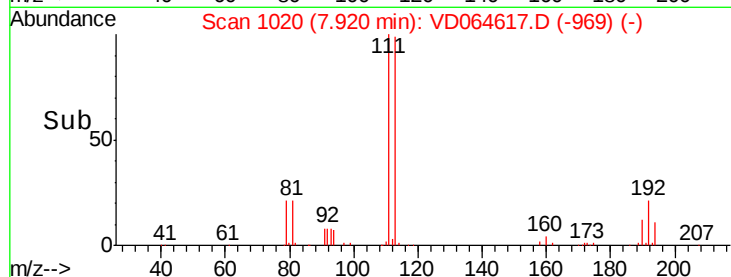
#35
 Dibromofluoromethane
 Concen: 50.205 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064617.D
 Acq: 27 Dec 2019 01:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 236223
 Ion Ratio Lower Upper
 113 100
 111 101.3 80.6 121.0
 192 22.3 17.9 26.9

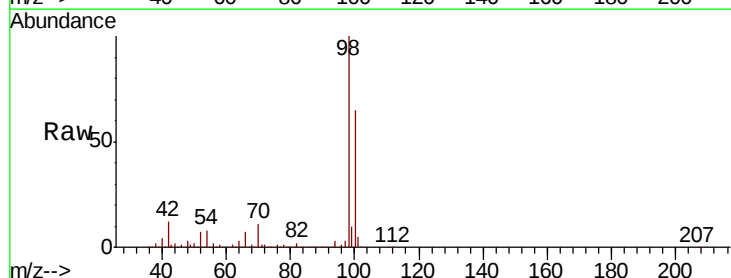


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

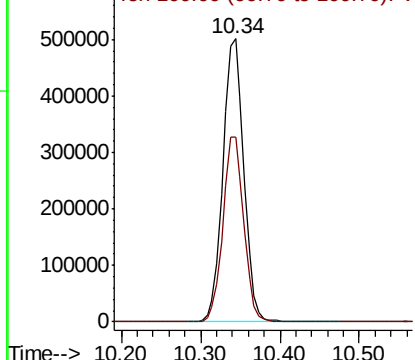
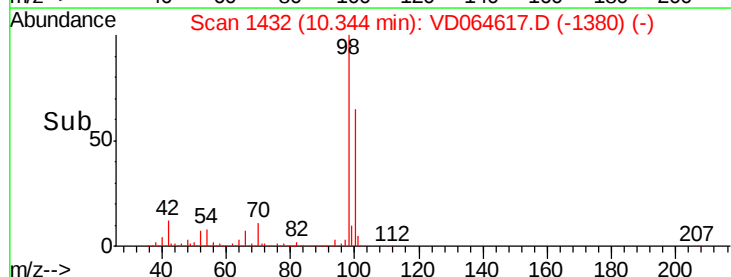


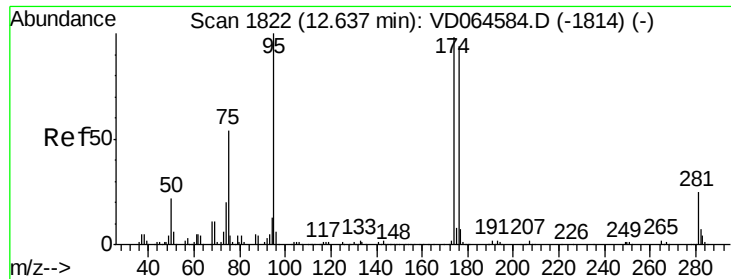
#50
 Toluene-d8
 Concen: 50.710 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064617.D
 Acq: 27 Dec 2019 01:06

Tgt Ion: 98 Resp: 913802
 Ion Ratio Lower Upper
 98 100
 100 65.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VD

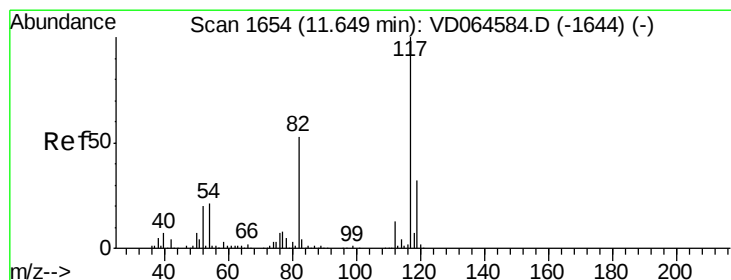
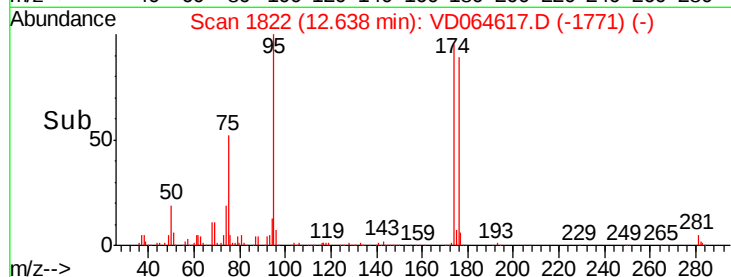
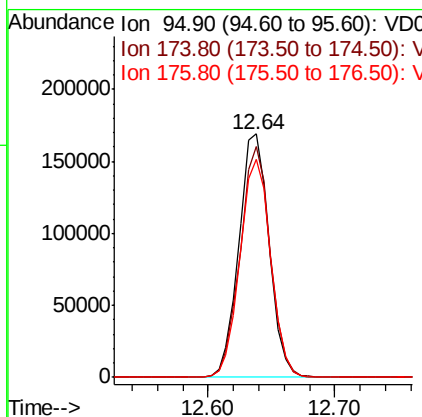
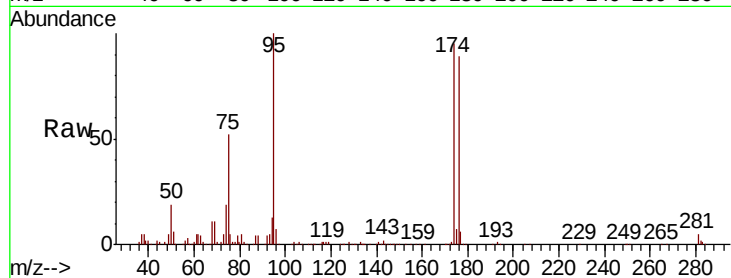




#62
4-Bromofluorobenzene
Concen: 49.007 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064617.D
Acq: 27 Dec 2019 01:06

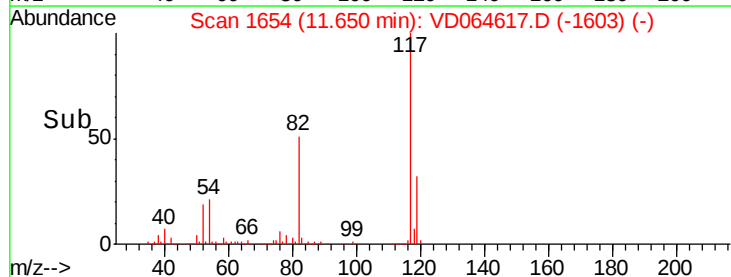
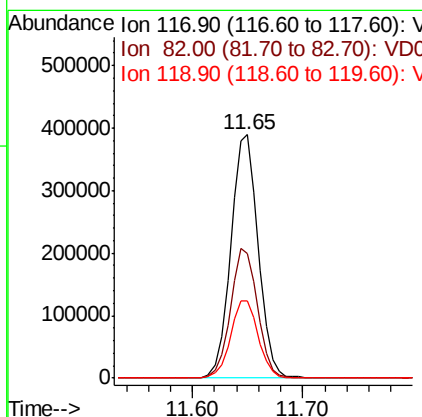
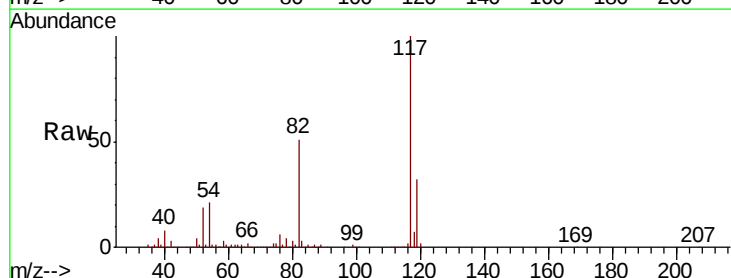
Instrument :
MSVOA_D
ClientSampleId :

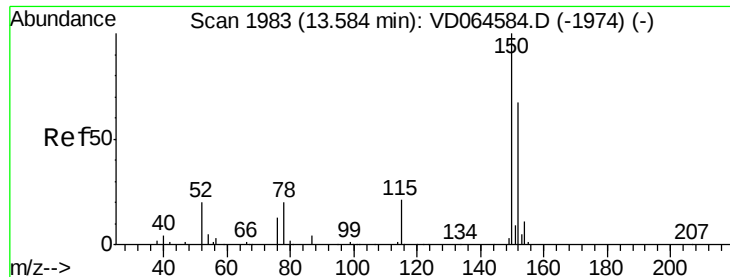
Tot Ion: 95 Resp: 279250
Ion Ratio Lower Upper
95 100
174 94.6 0.0 193.2
176 90.7 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064617.D
Acq: 27 Dec 2019 01:06

Tgt Ion: 117 Resp: 675711
Ion Ratio Lower Upper
117 100
82 51.0 42.2 63.4
119 31.8 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064617.D

Acq: 27 Dec 2019 01:06

Instrument :

MSVOA_D

ClientSampleId :

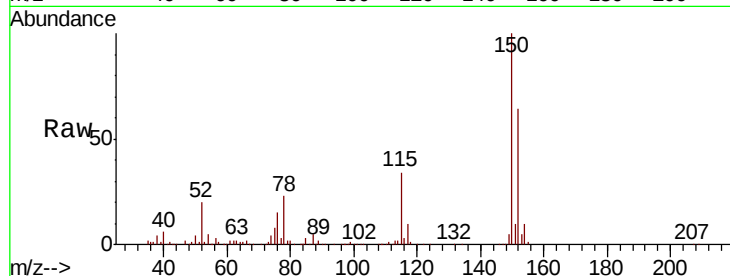
Tot Ion:152 Resp: 310280

Ion Ratio Lower Upper

152 100

115 54.8 27.8 83.4

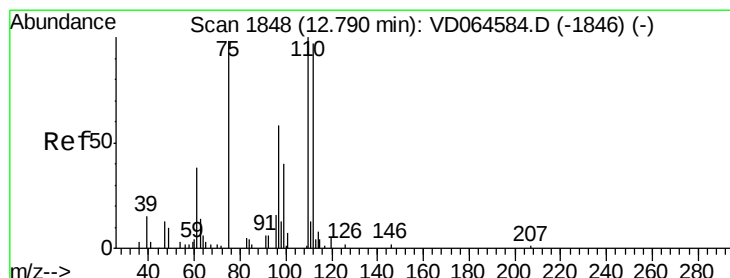
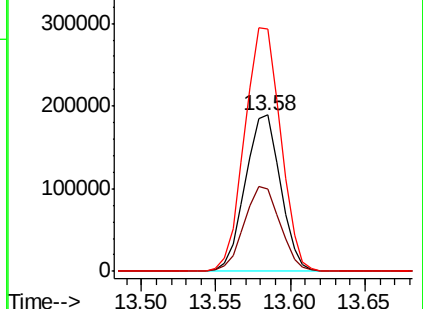
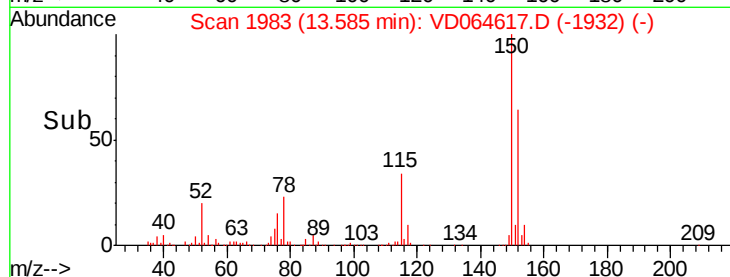
150 158.7 0.0 351.4



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: 59.816 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064617.D

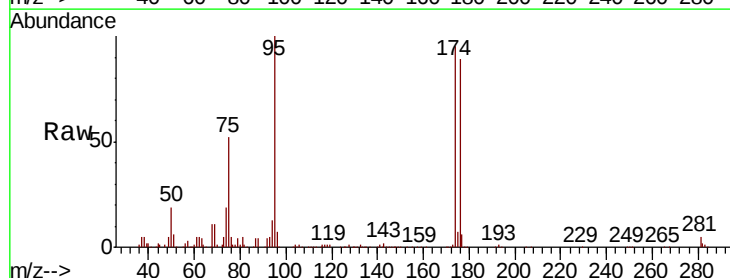
Acq: 27 Dec 2019 01:06

Tgt Ion: 75 Resp: 146558

Ion Ratio Lower Upper

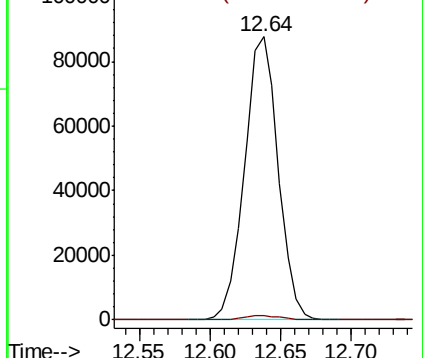
75 100

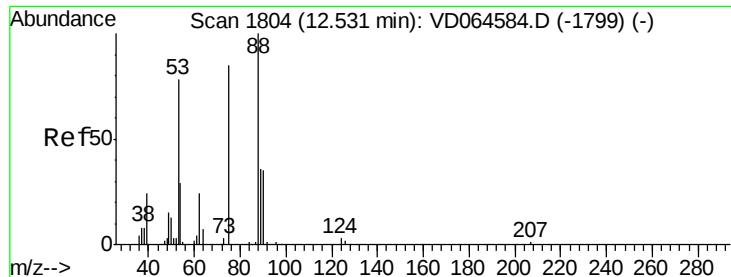
77 1.7 0.0 0.0#



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: 125.102 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064617.D

Acq: 27 Dec 2019 01:06

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 146558

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.2 38.3 57.5#

