

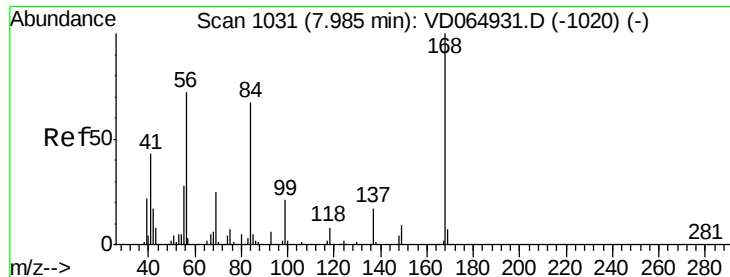
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
 Data File : VD064984.D
 Acq On : 28 Jan 2020 18:48
 Operator : VA/SY
 Sample : L1289-25
 Misc : 6.63G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 29 01:35:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	522268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	840574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	762292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	349977	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	236986	47.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.62%	
35) Dibromofluoromethane	7.92	113	253332	47.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.92%	
50) Toluene-d8	10.34	98	1006175	49.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.64	95	317024	50.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.62%	
Target Compounds						
16) Acetone	4.17	43	1251	14.658	ug/l	96
20) Methylene Chloride	4.96	84	16763	Below Cal		98
31) Cyclohexane	7.98	56	12259	1.405	ug/l #	53
36) 1,1-Dichloropropene	7.98	75	37536	4.631	ug/l #	52
38) Carbon Tetrachloride	7.98	117	51669	6.031	ug/l #	18
49) 1,4-Dioxane	9.56	88	64	1.868	ug/l #	13
51) 4-Methyl-2-Pentanone	10.35	43	4921	1.546	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	171558	59.059	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	171558	126.105	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064984.D

Acq: 28 Jan 2020 18:48

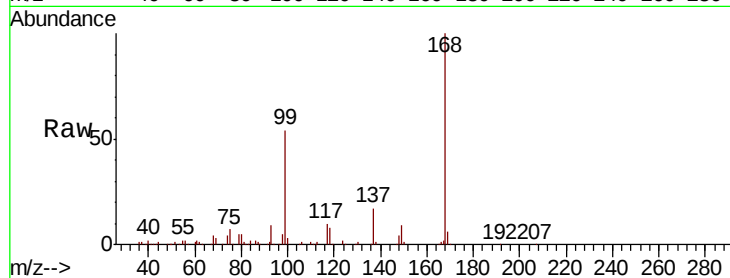
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 522268

Ion Ratio Lower Upper

168 100

99 53.7 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

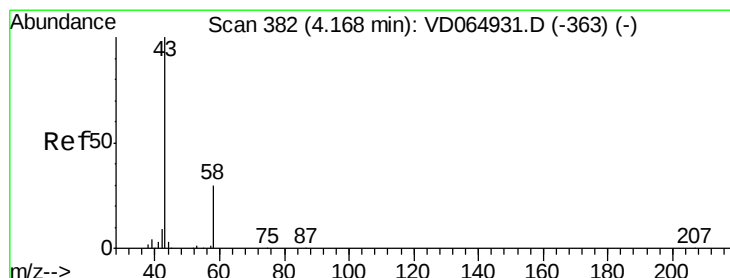
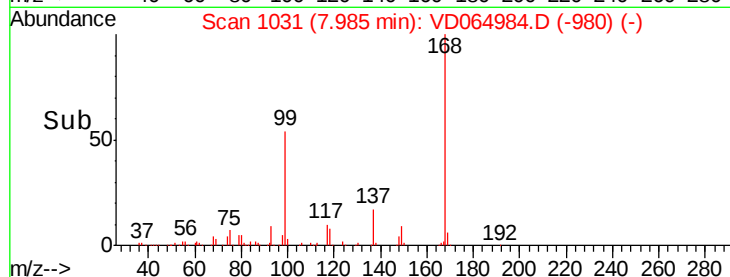
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 14.658 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064984.D

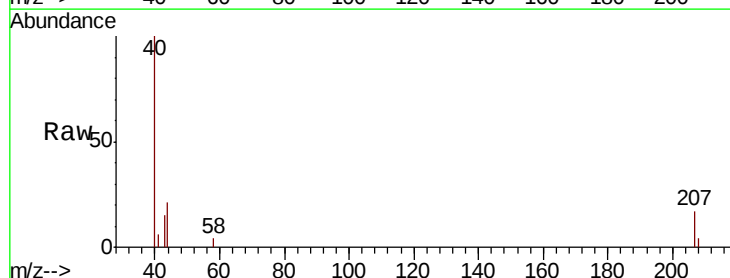
Acq: 28 Jan 2020 18:48

Tgt Ion: 43 Resp: 1251

Ion Ratio Lower Upper

43 100

58 27.8 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

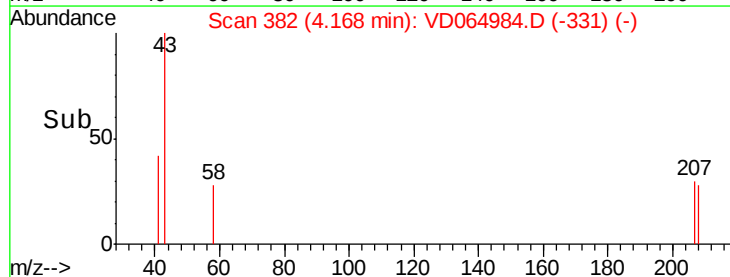
600

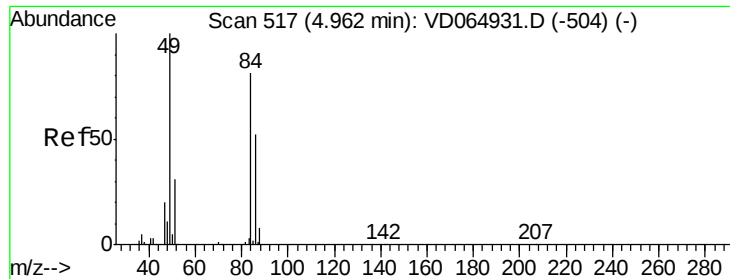
400

200

0

Time-->

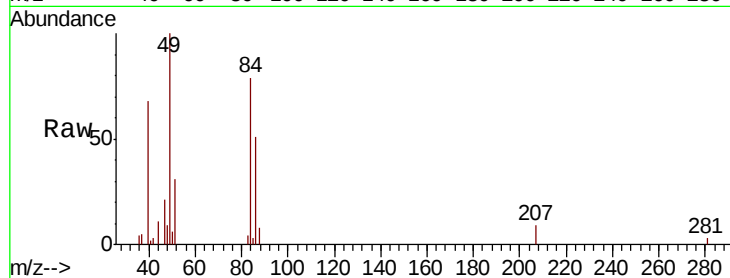




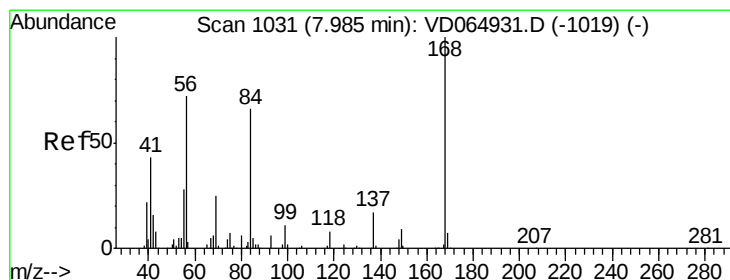
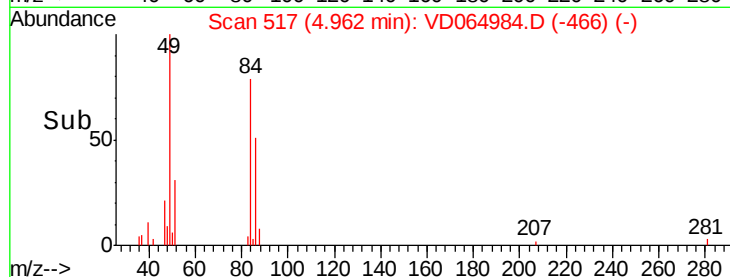
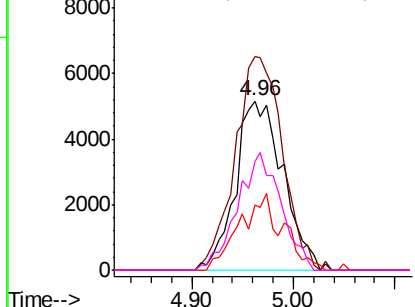
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064984.D
Acq: 28 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	84	Resp:	16763
Ion	Ratio	Lower	Upper
84	100		
49	126.1	98.4	147.6
51	38.5	30.8	46.2
86	63.9	51.0	76.6

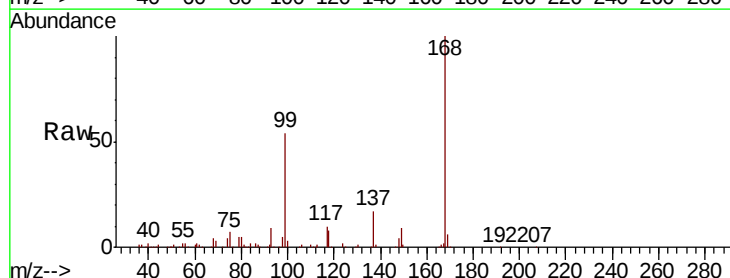


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

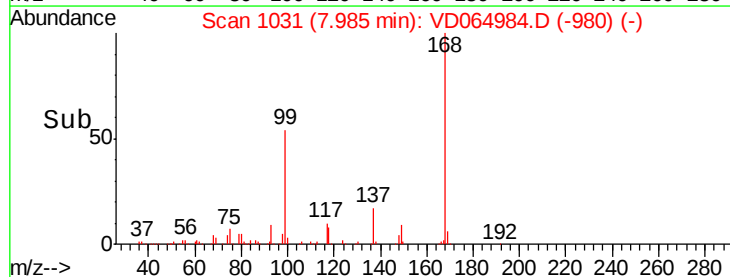
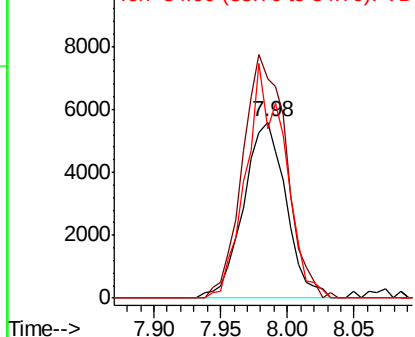


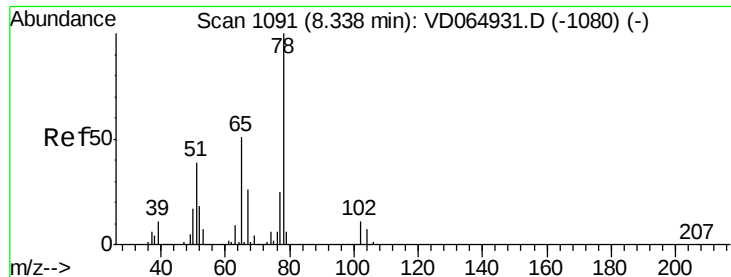
#31
Cyclohexane
Concen: 1.405 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064984.D
Acq: 28 Jan 2020 18:48

Tgt Ion:	56	Resp:	12259
Ion	Ratio	Lower	Upper
56	100		
69	124.6	27.9	41.9#
84	96.3	72.8	109.2



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: 47.306 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064984.D

Acq: 28 Jan 2020 18:48

Instrument :

MSVOA_D

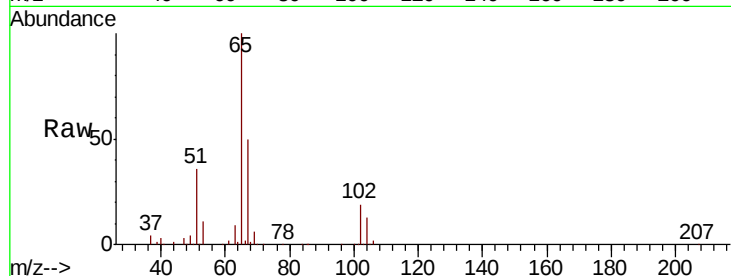
ClientSampleId :

Tot Ion: 65 Resp: 236986

Ion Ratio Lower Upper

65 100

67 50.2 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V

8.34

120000

100000

80000

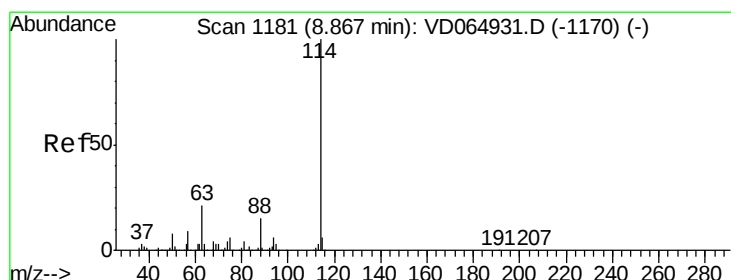
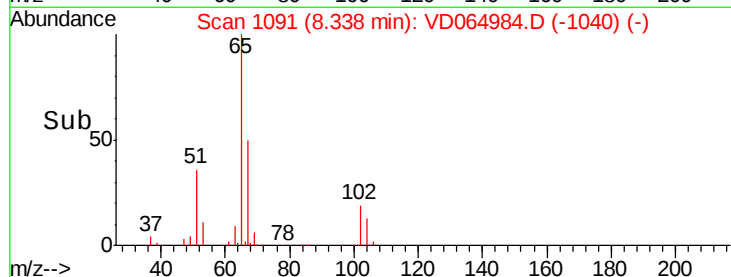
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064984.D

Acq: 28 Jan 2020 18:48

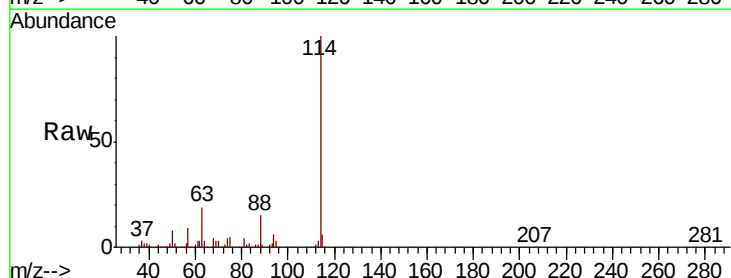
Tgt Ion: 114 Resp: 840574

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.0

88 14.7 0.0 29.4



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

8.87

500000

400000

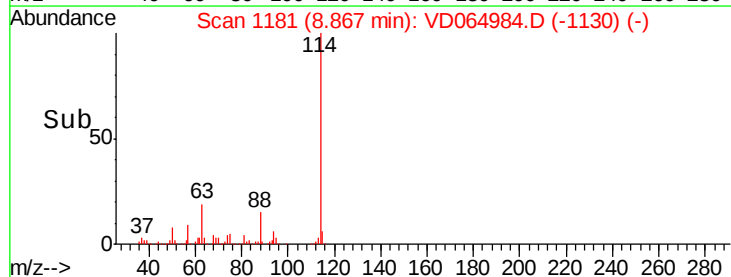
300000

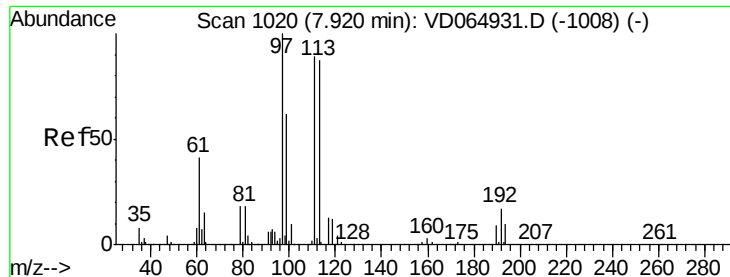
200000

100000

0

Time--> 8.80 8.90 9.00

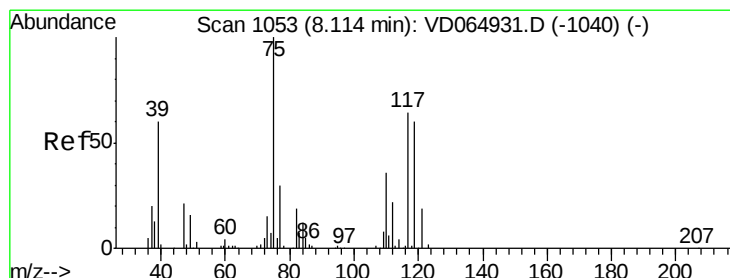
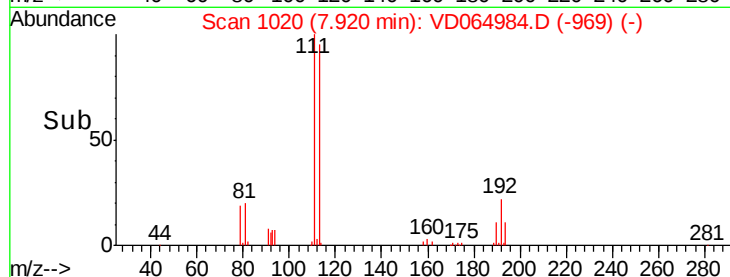
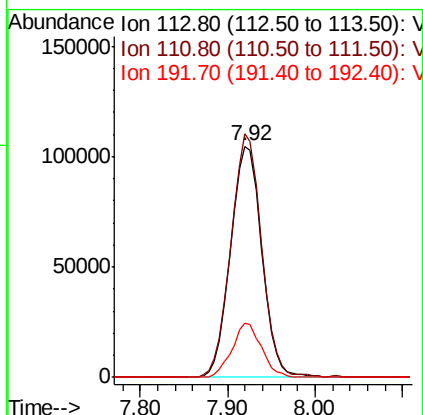
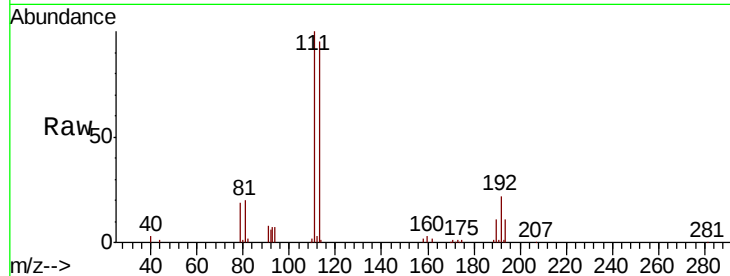




#35
 Dibromofluoromethane
 Concen: 47.959 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064984.D
 Acq: 28 Jan 2020 18:48

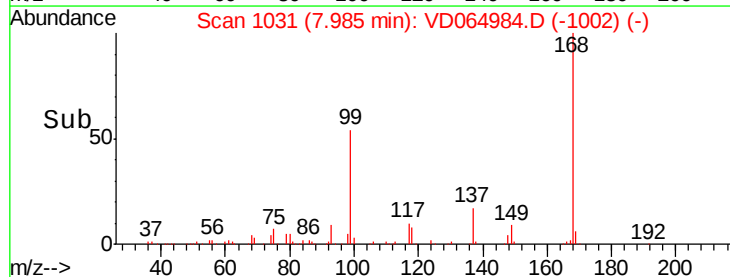
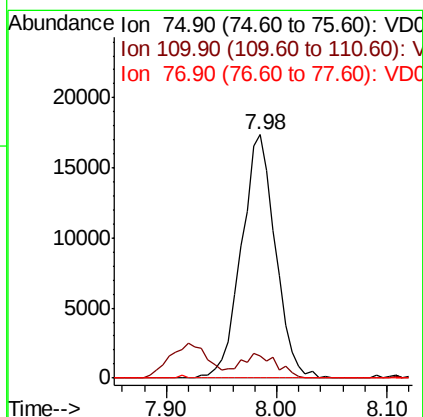
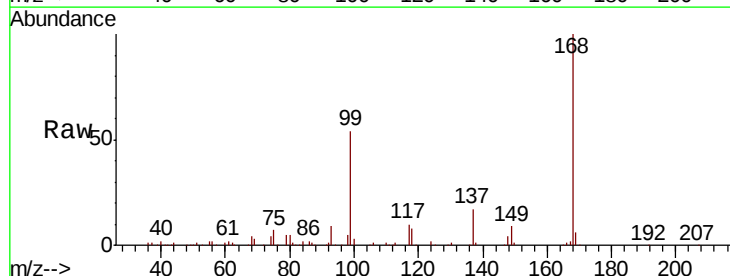
Instrument :
 MSVOA_D
 ClientSampled :

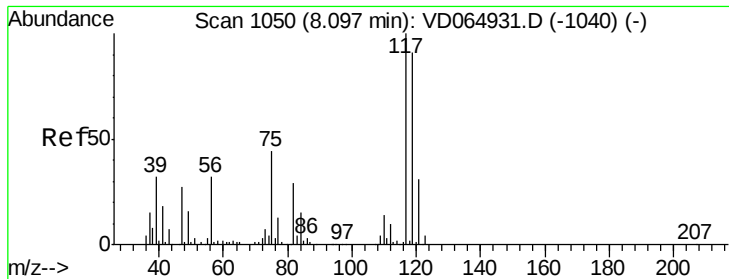
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.4	123.6
192	22.2	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.631 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064984.D
 Acq: 28 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	17.3	52.0#
77	0.0	24.7	37.1#

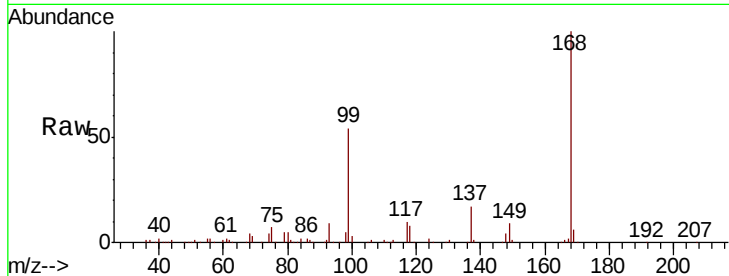




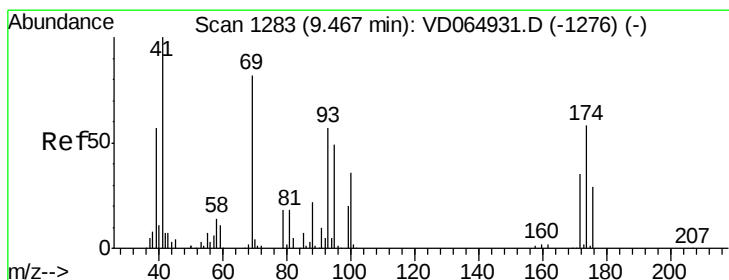
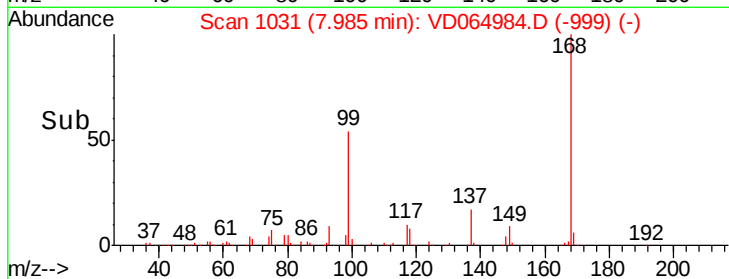
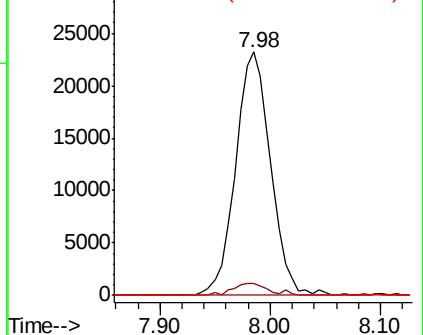
#38
Carbon Tetrachloride
Concen: 6.031 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064984.D
Acq: 28 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 51669
Ion Ratio Lower Upper
117 100
119 4.8 73.2 109.8#
121 0.0 24.4 36.6#

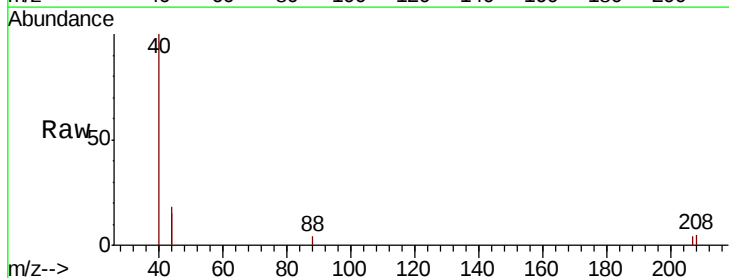


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

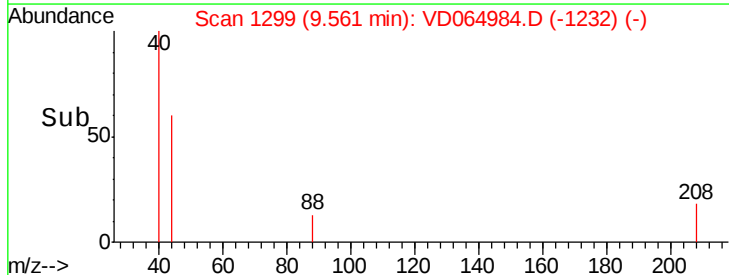
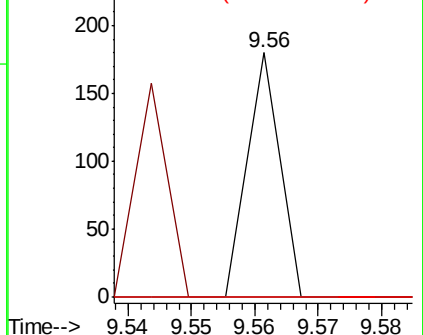


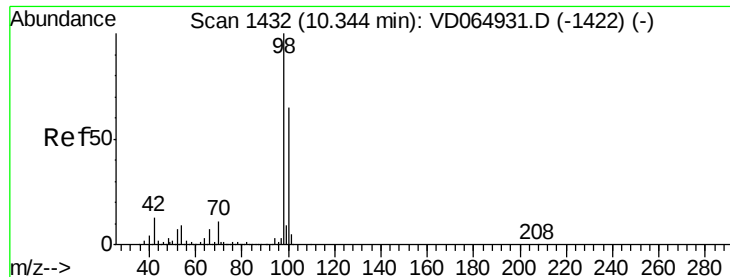
#49
1,4-Dioxane
Concen: 1.868 ug/l
RT: 9.56 min Scan# 1299
Delta R.T. 0.09 min
Lab File: VD064984.D
Acq: 28 Jan 2020 18:48

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 87.5 26.2 39.4#
58 0.0 50.3 75.5#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 49.352 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064984.D

Acq: 28 Jan 2020 18:48

Instrument :

MSVOA_D

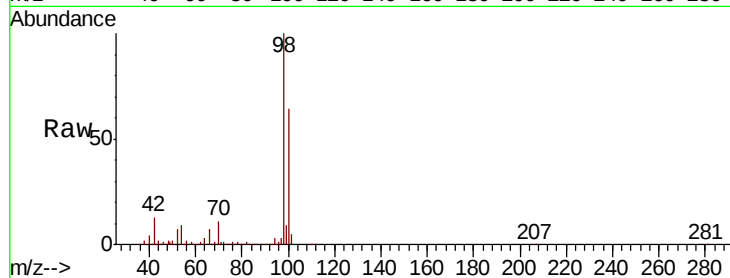
ClientSampleId :

Tot Ion: 98 Resp: 1006175

Ion Ratio Lower Upper

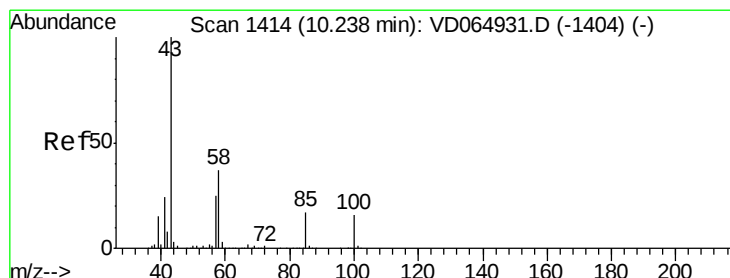
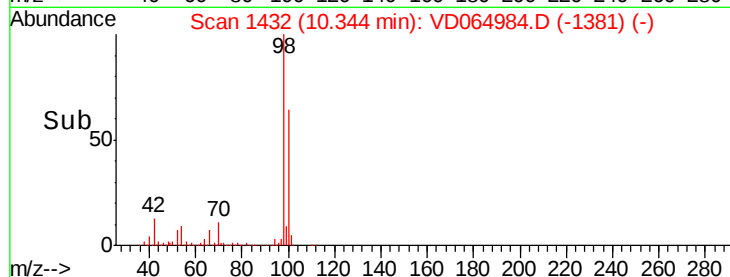
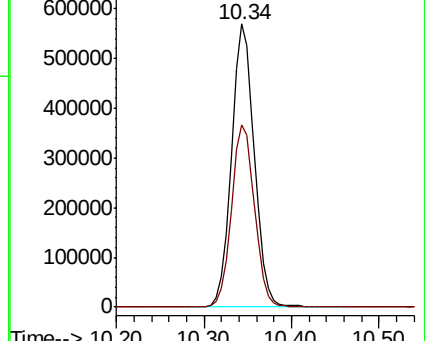
98 100

100 65.0 52.3 78.5



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: 1.546 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.11 min

Lab File: VD064984.D

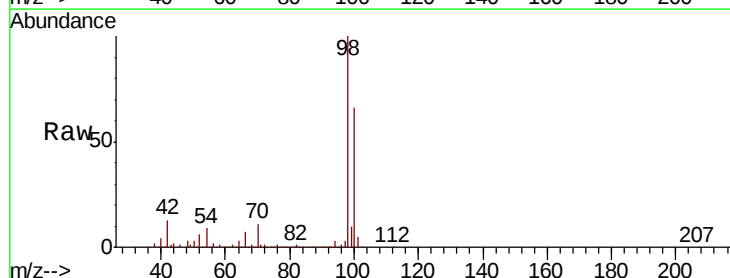
Acq: 28 Jan 2020 18:48

Tgt Ion: 43 Resp: 4921

Ion Ratio Lower Upper

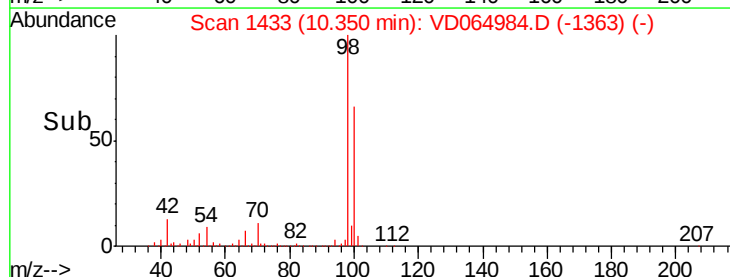
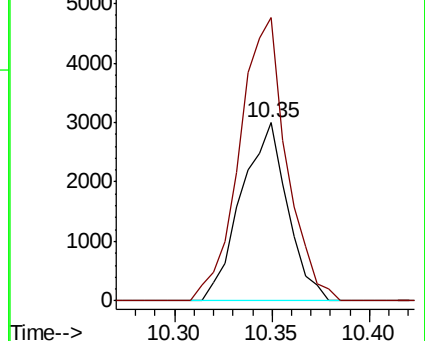
43 100

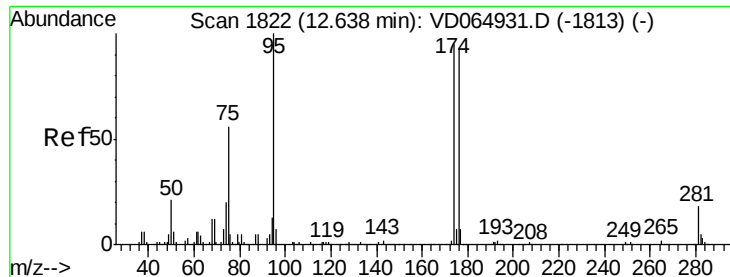
58 162.3 30.4 45.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

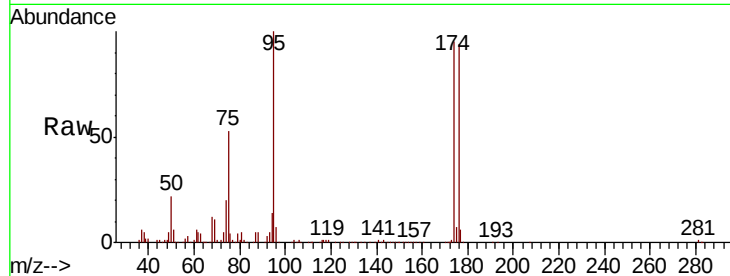




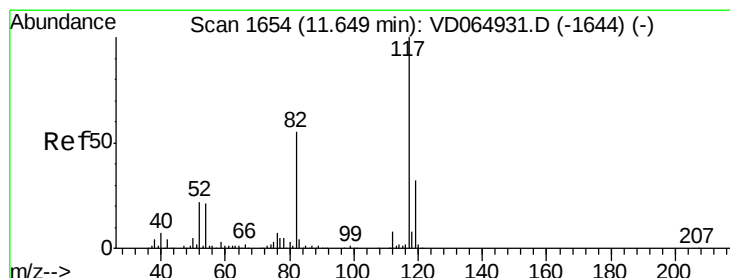
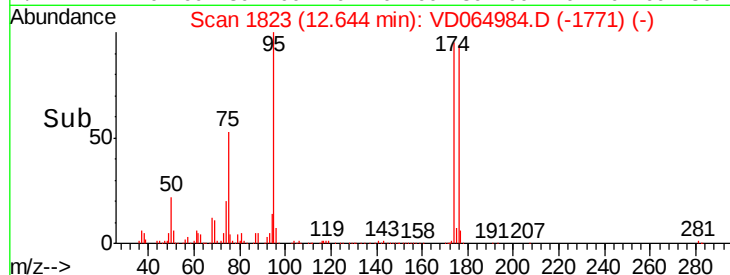
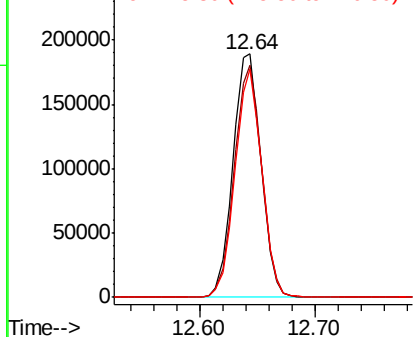
#62
4-Bromofluorobenzene
Concen: 50.813 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD064984.D
Acq: 28 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 317024
Ion Ratio Lower Upper
95 100
174 92.9 0.0 186.8
176 89.6 0.0 183.4

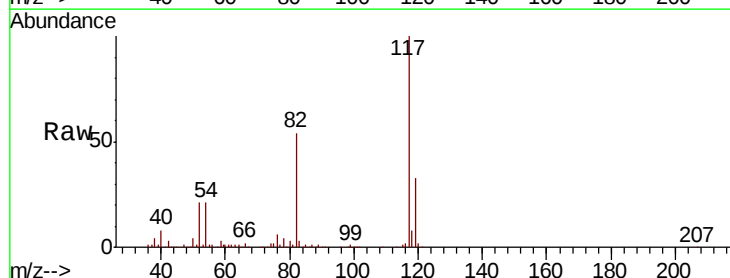


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

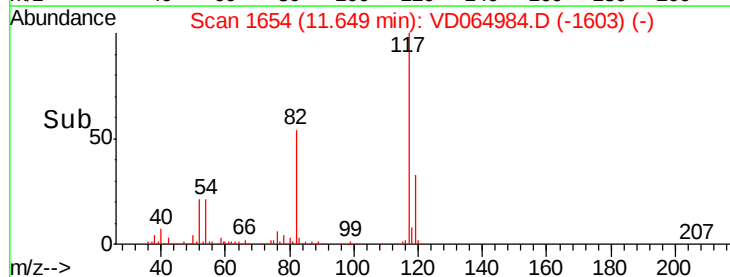
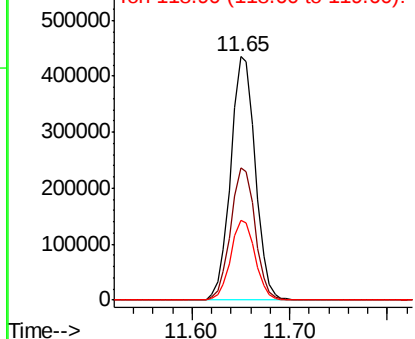


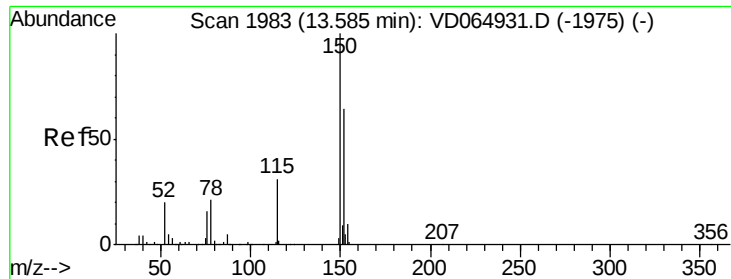
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064984.D
Acq: 28 Jan 2020 18:48

Tgt Ion: 117 Resp: 762292
Ion Ratio Lower Upper
117 100
82 54.5 43.6 65.4
119 32.6 25.2 37.8



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



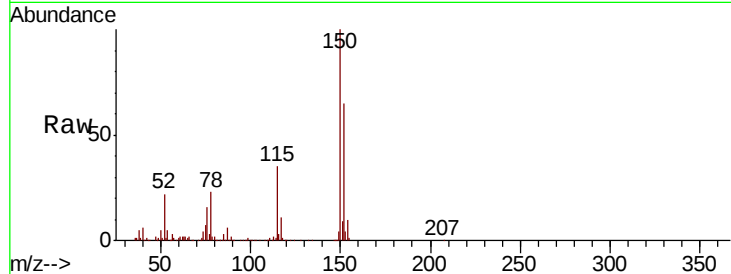


#72

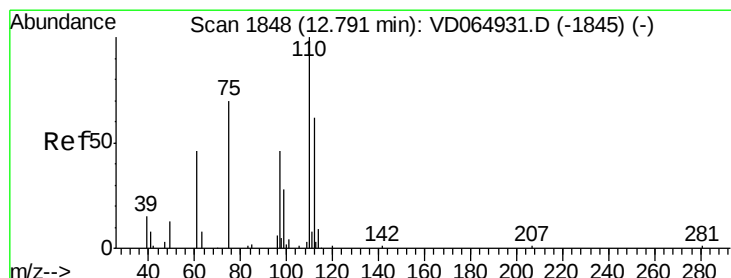
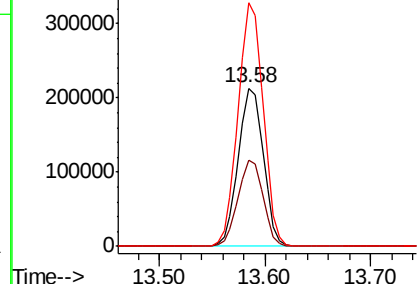
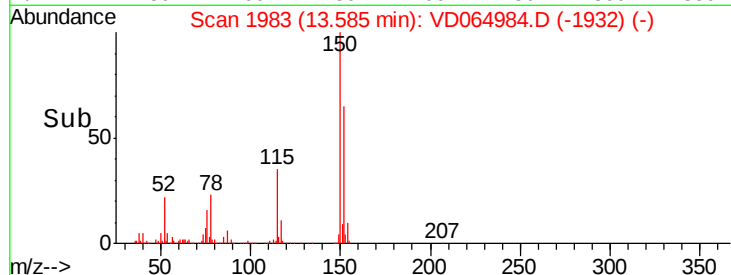
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064984.D
Acq: 28 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.4	28.1	84.4
150	153.9	0.0	350.4



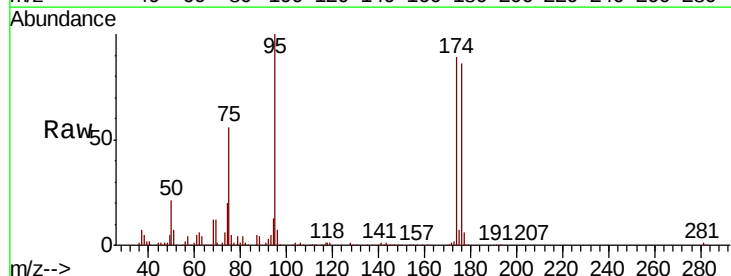
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



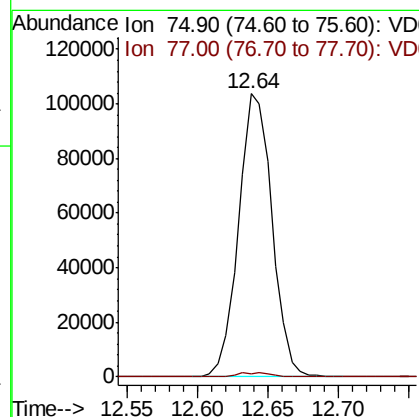
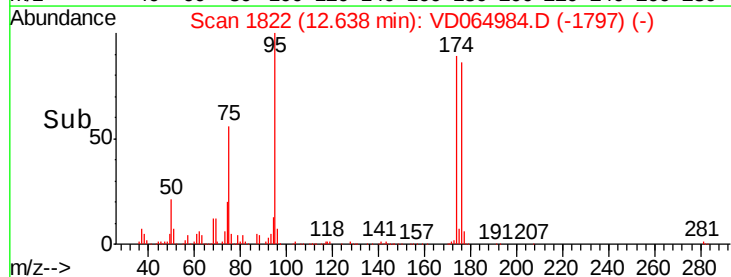
#76

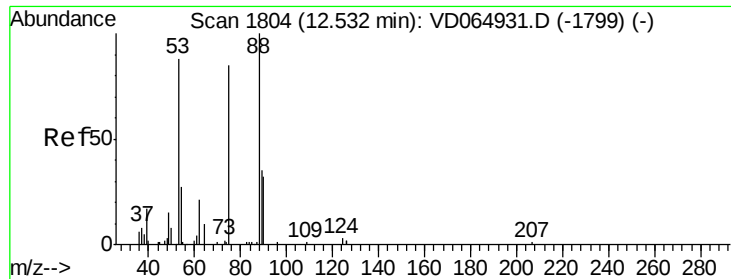
1,2,3-Trichloropropane
Concen: 59.059 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064984.D
Acq: 28 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 126.105 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064984.D

Acq: 28 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 171558

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

89 0.0 36.2 54.4#

