

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064893.D
 Acq On : 20 Jan 2020 16:33
 Operator : VA/SY
 Sample : L1189-05
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 21 04:10:41 2020
 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

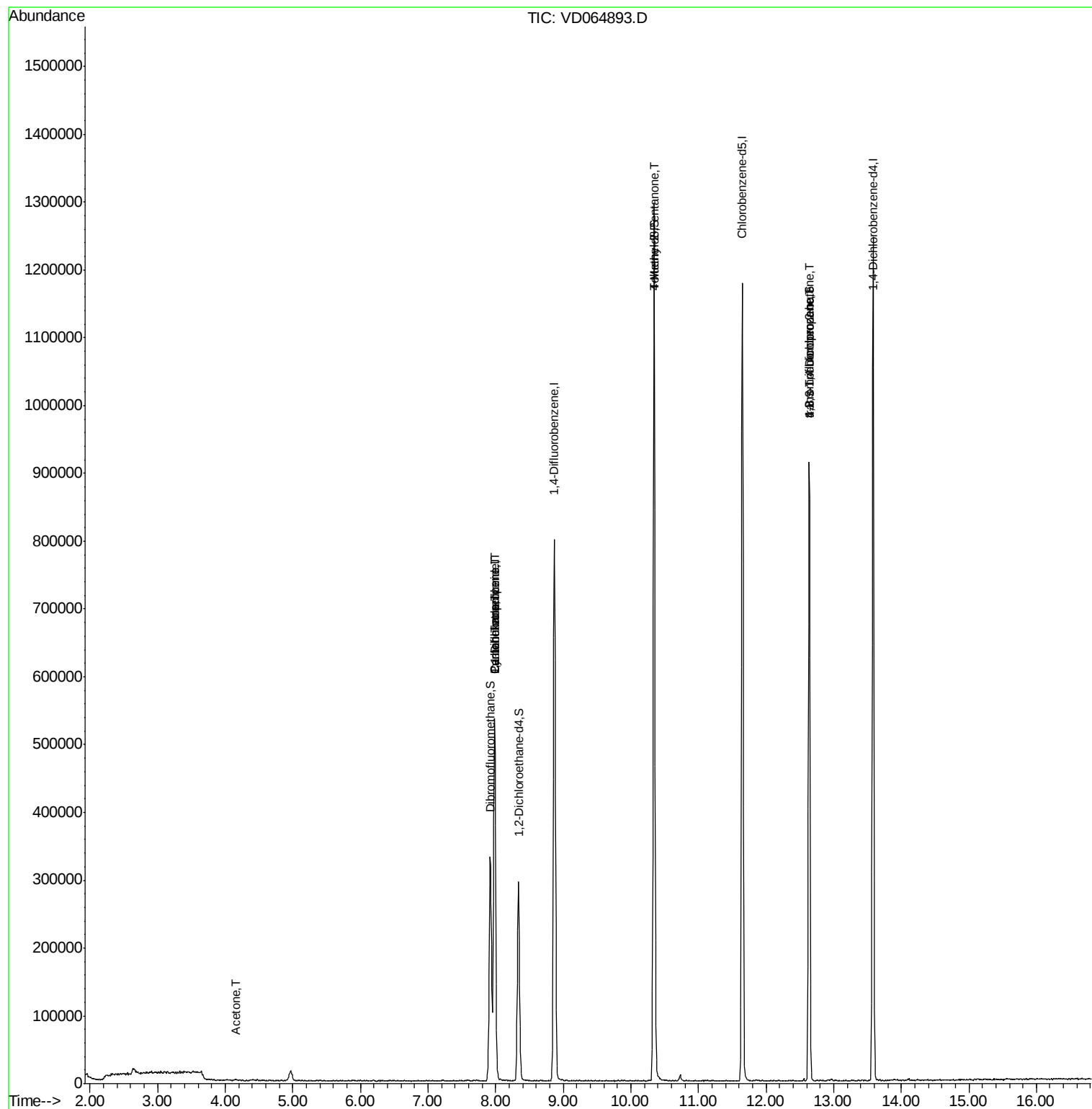
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	404858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	690533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	661848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315548	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	234062	65.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	131.12%	
35) Dibromofluoromethane	7.92	113	226601	53.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.98%	
50) Toluene-d8	10.34	98	852933	52.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.64	95	273730	53.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.70%	
Target Compounds						
					Qvalue	
16) Acetone	4.16	43	1058	5.430	ug/l	93
20) Methylene Chloride	4.96	84	11227	Below Cal	#	86
31) Cyclohexane	7.98	56	8769	1.317	ug/l #	43
36) 1,1-Dichloropropene	7.98	75	29446	4.430	ug/l #	51
38) Carbon Tetrachloride	7.98	117	38357	5.412	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	4366	1.700	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	150515	60.405	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	150515	126.335	ug/l #	10

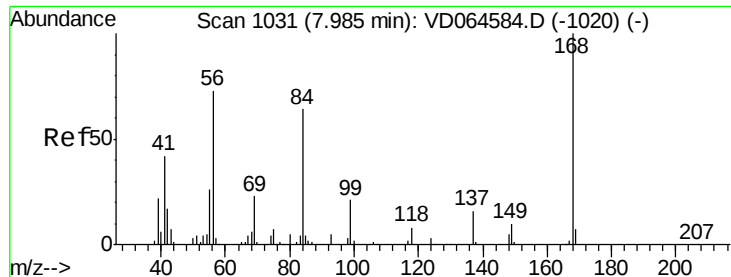
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD012020\
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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064893.D

Acq: 20 Jan 2020 16:33

Instrument :

MSVOA_D

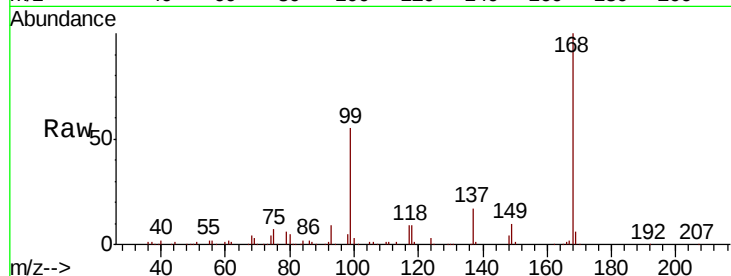
ClientSampleId :

Tot Ion:168 Resp: 404858

Ion Ratio Lower Upper

168 100

99 55.2 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

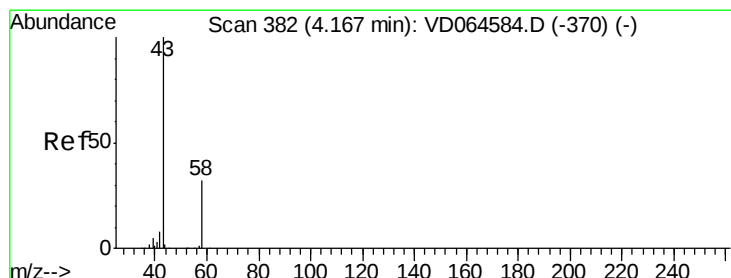
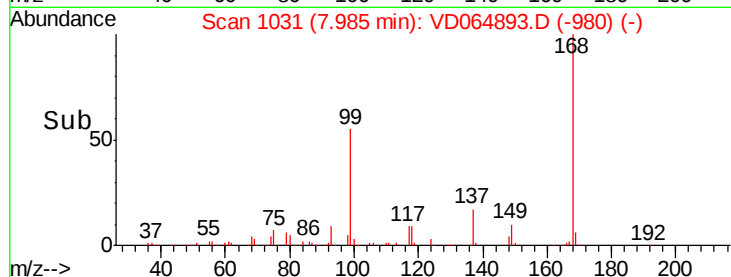
100000

50000

0

Time-->

7.90 8.00 8.10



#16

Acetone

Concen: 5.430 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064893.D

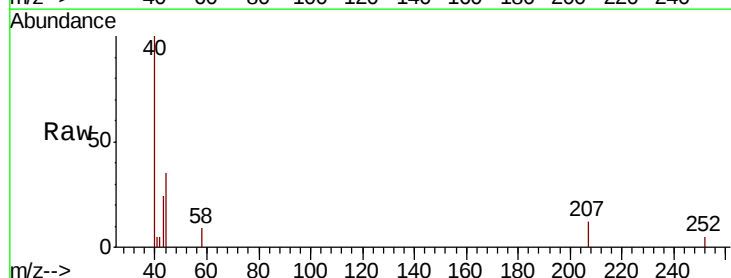
Acq: 20 Jan 2020 16:33

Tgt Ion: 43 Resp: 1058

Ion Ratio Lower Upper

43 100

58 36.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

1000

800

600

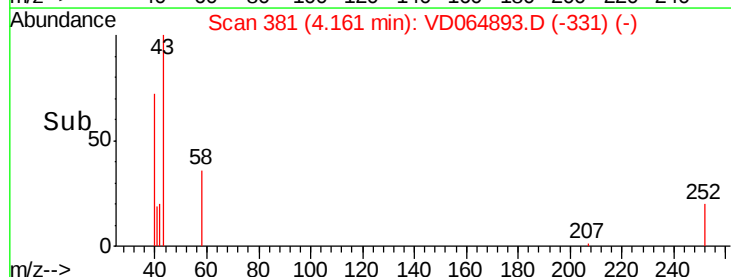
400

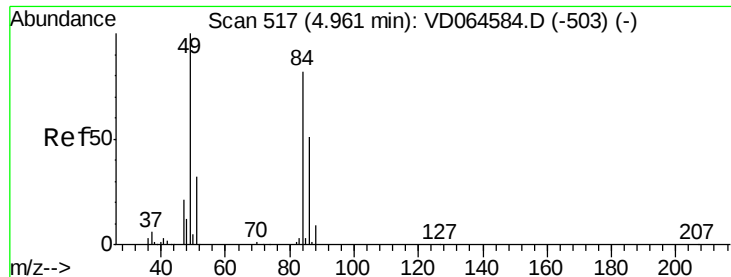
200

0

Time-->

4.12 4.14 4.16 4.18

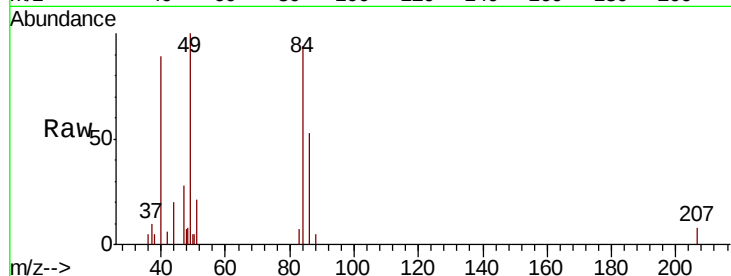




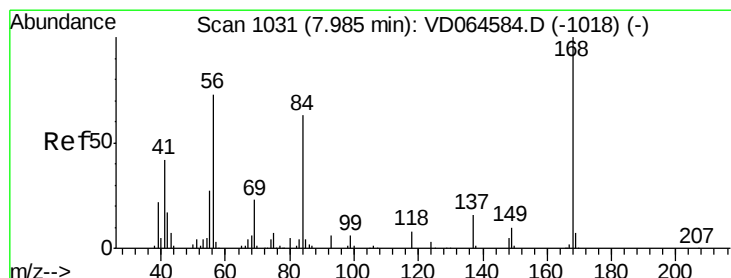
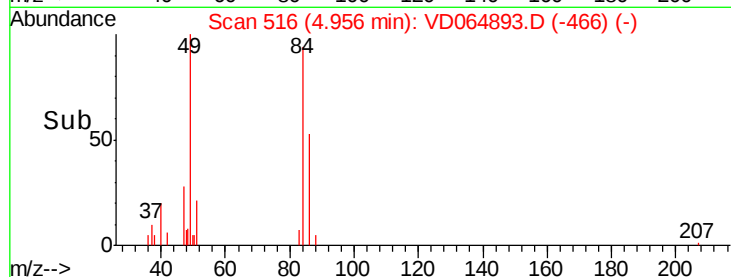
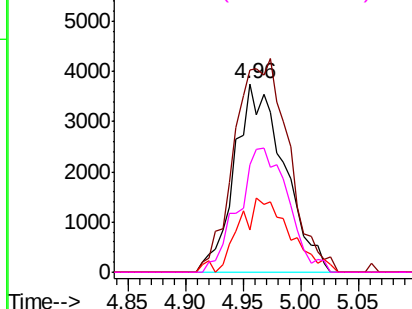
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064893.D
Acq: 20 Jan 2020 16:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 11227
Ion Ratio Lower Upper
84 100
49 106.9 97.2 145.8
51 22.7 31.4 47.0#
86 57.0 49.3 73.9

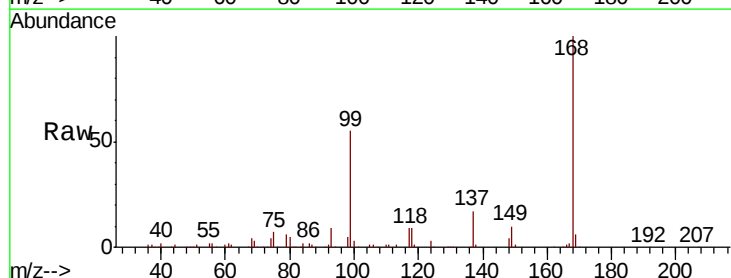


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

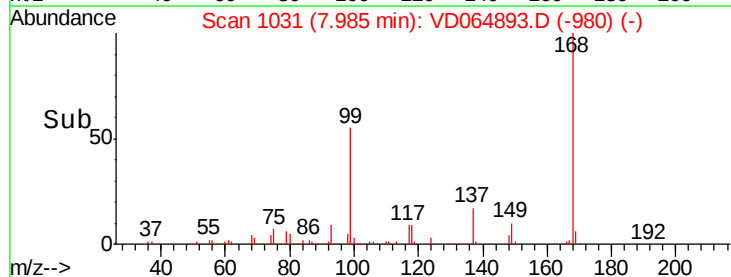
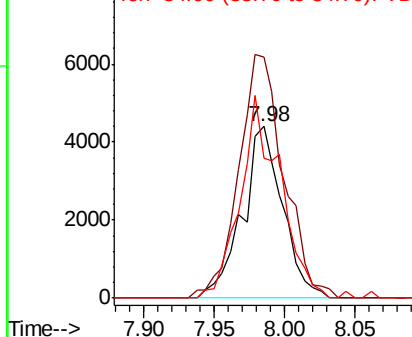


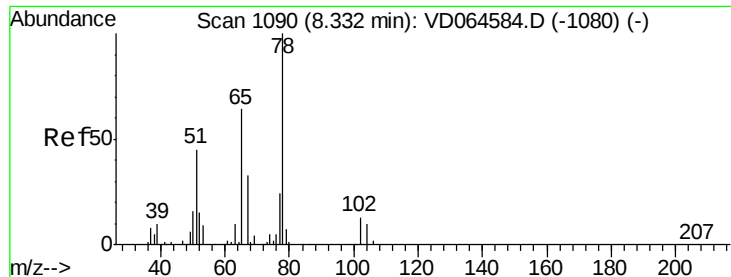
#31
Cyclohexane
Concen: 1.317 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064893.D
Acq: 20 Jan 2020 16:33

Tgt Ion: 56 Resp: 8769
Ion Ratio Lower Upper
56 100
69 140.5 24.7 37.1#
84 81.6 69.4 104.2



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: 65.564 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064893.D

Acq: 20 Jan 2020 16:33

Instrument :

MSVOA_D

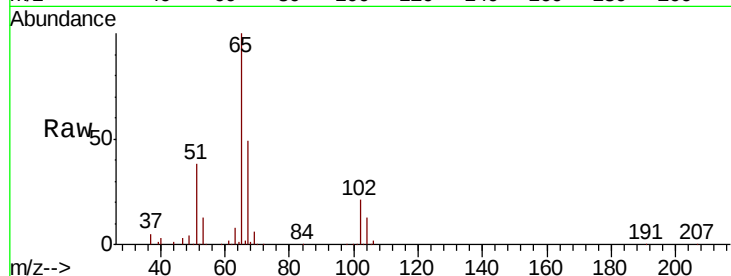
ClientSampleId :

Tot Ion: 65 Resp: 234062

Ion Ratio Lower Upper

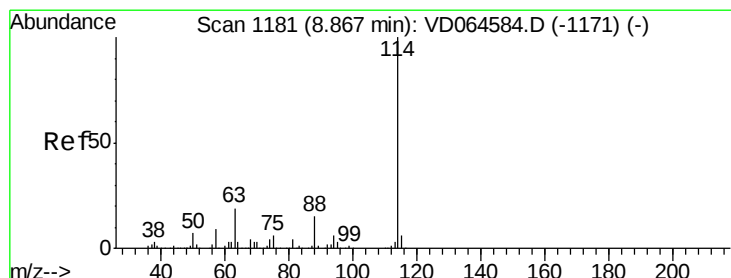
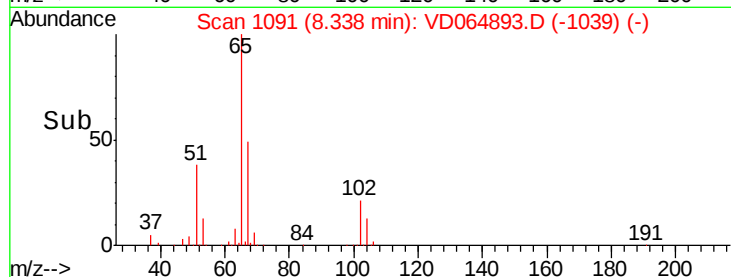
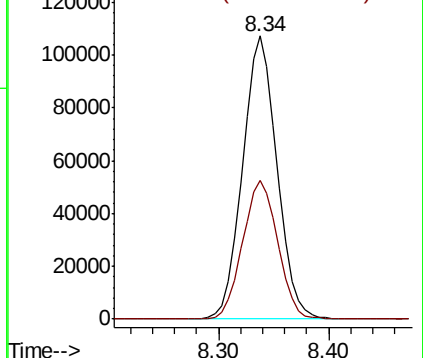
65 100

67 50.2 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: VD064893.D

Acq: 20 Jan 2020 16:33

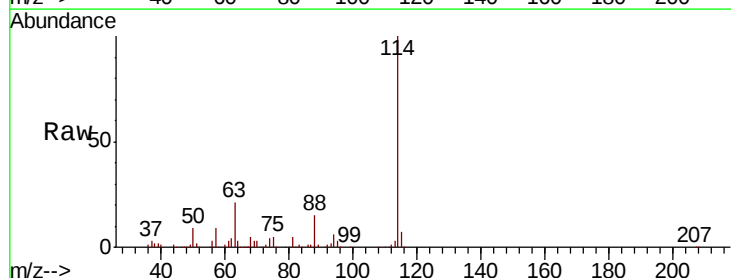
Tgt Ion: 114 Resp: 690533

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.0

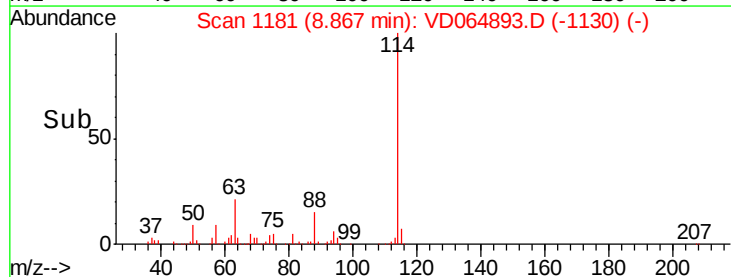
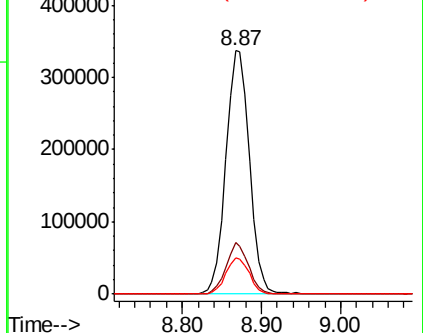
88 14.9 0.0 29.2

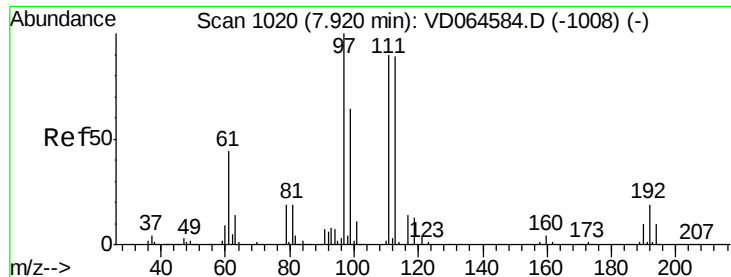


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

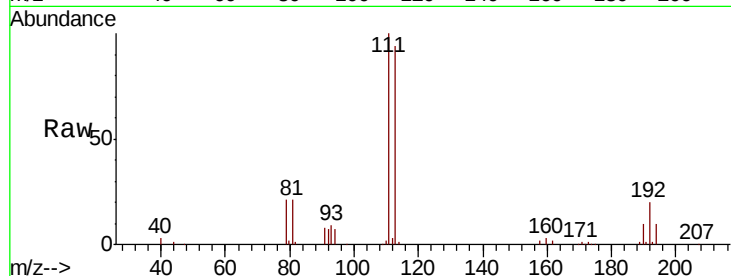




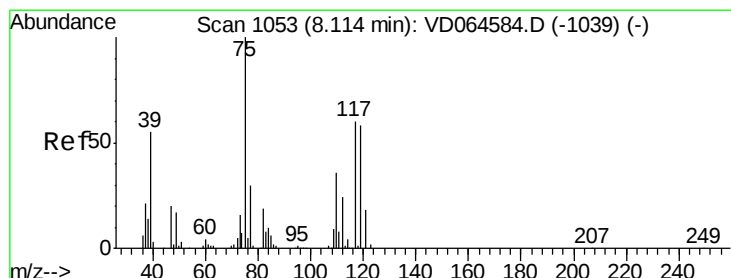
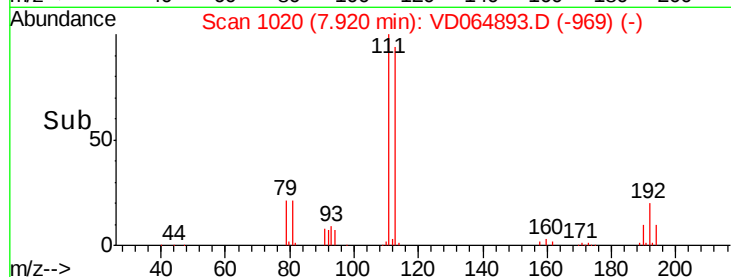
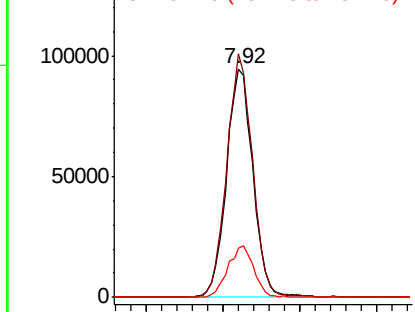
#35
 Dibromofluoromethane
 Concen: 53.487 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064893.D
 Acq: 20 Jan 2020 16:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	80.6	121.0
192	22.2	17.9	26.9

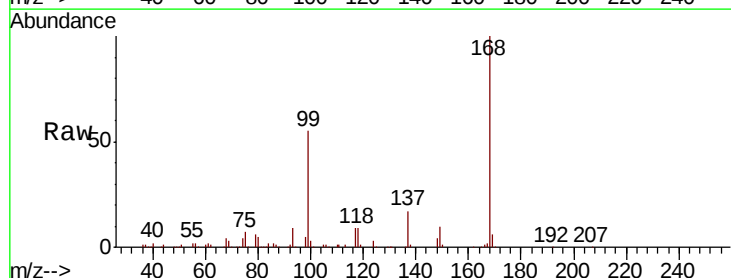


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

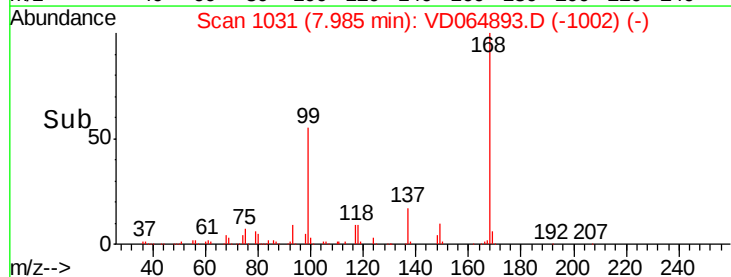
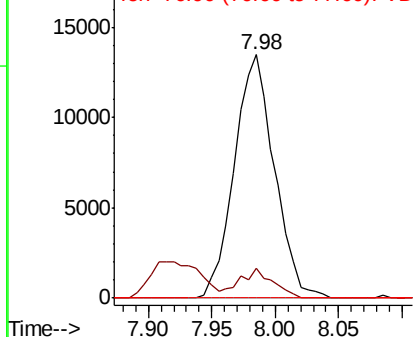


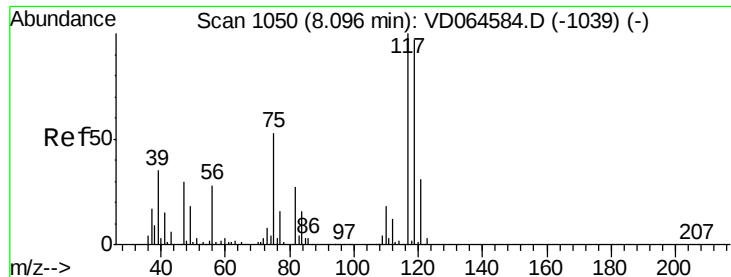
#36
 1,1-Dichloropropene
 Concen: 4.430 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064893.D
 Acq: 20 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.1	54.1#
77	0.0	24.2	36.4#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

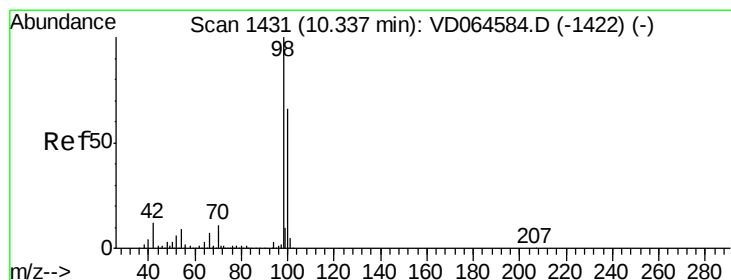
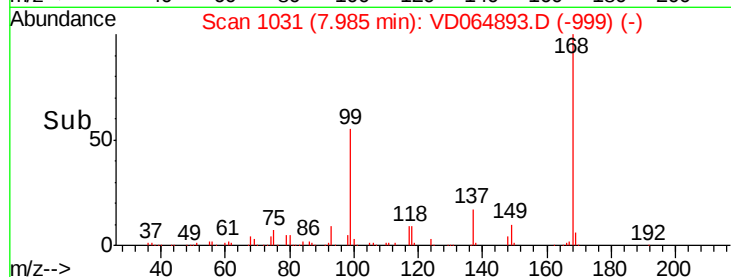
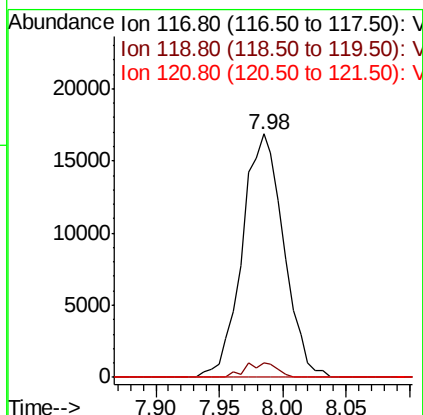
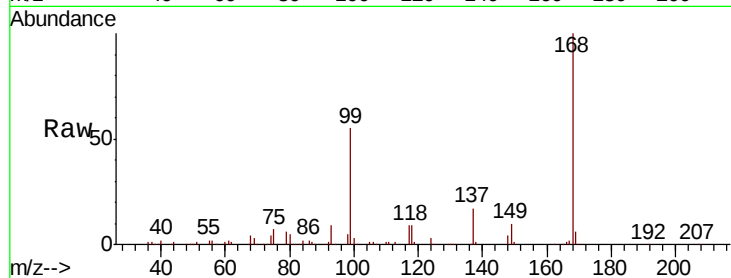




#38
Carbon Tetrachloride
Concen: 5.412 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064893.D
Acq: 20 Jan 2020 16:33

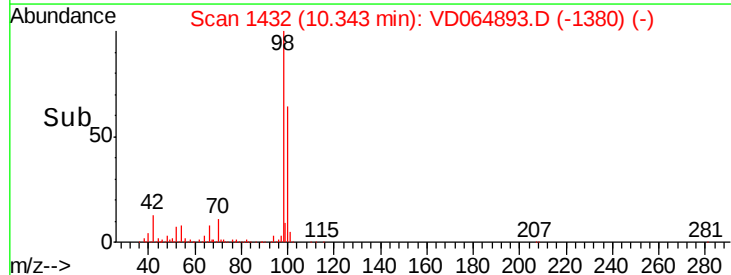
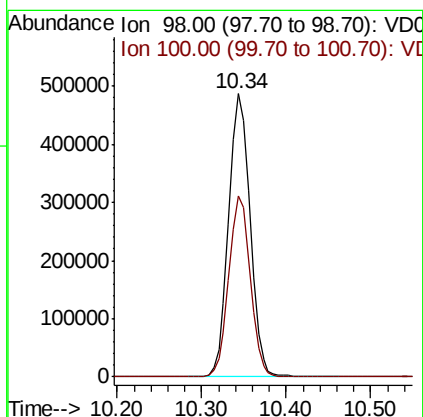
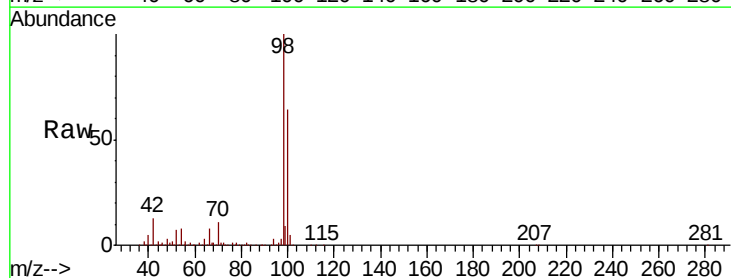
Instrument :
MSVOA_D
ClientSampleId :

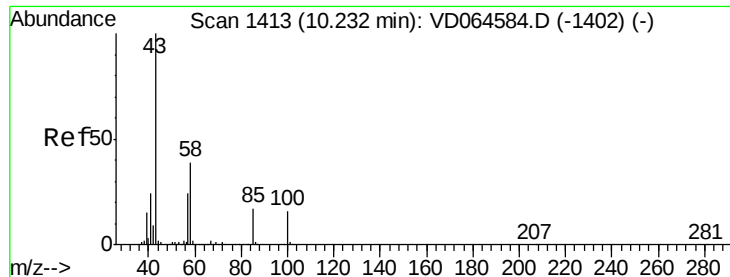
Tot Ion:117 Resp: 38357
Ion Ratio Lower Upper
117 100
119 6.1 77.3 115.9#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 52.567 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064893.D
Acq: 20 Jan 2020 16:33

Tgt Ion: 98 Resp: 852933
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 1.700 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD064893.D

Acq: 20 Jan 2020 16:33

Instrument :

MSVOA_D

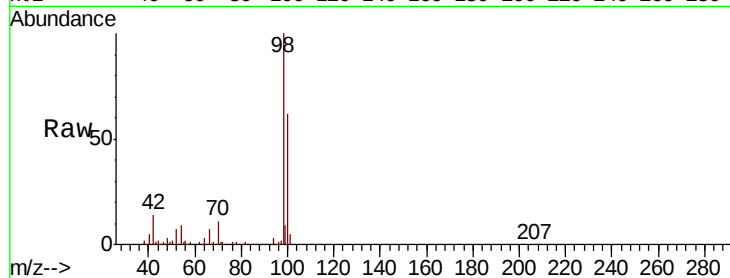
ClientSampled :

Tot Ion: 43 Resp: 4366

Ion Ratio Lower Upper

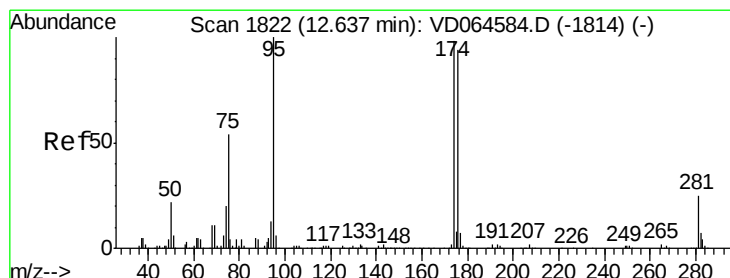
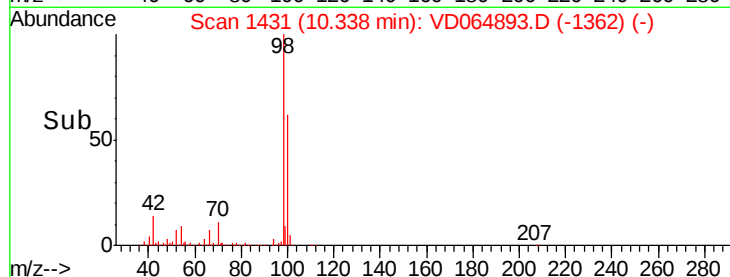
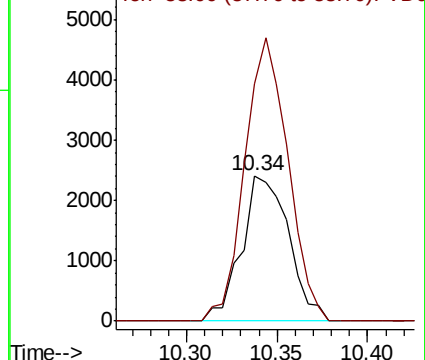
43 100

58 178.6 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 53.352 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064893.D

Acq: 20 Jan 2020 16:33

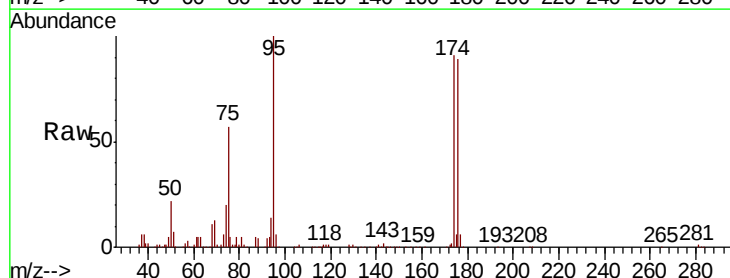
Tgt Ion: 95 Resp: 273730

Ion Ratio Lower Upper

95 100

174 92.3 0.0 193.2

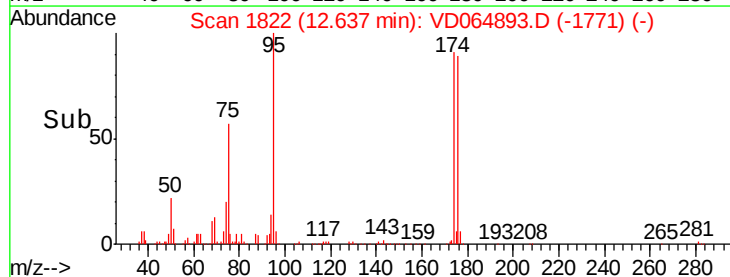
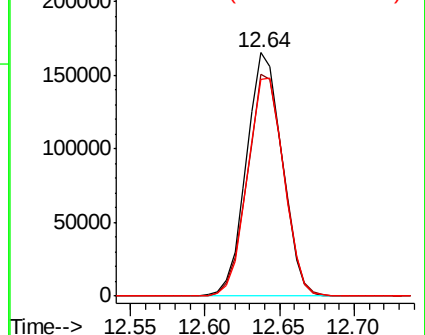
176 91.2 0.0 184.2

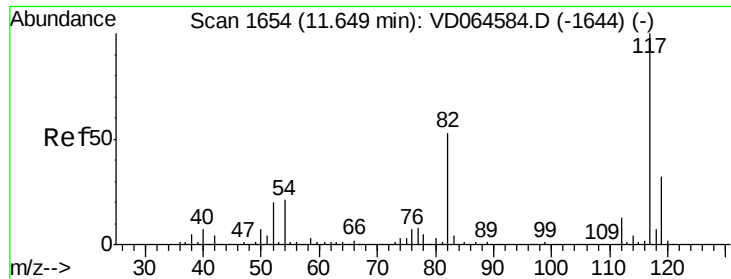


Abundance Ion 94.90 (94.60 to 95.60): VDC

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: VD064893.D

Acq: 20 Jan 2020 16:33

Instrument :

MSVOA_D

ClientSampleId :

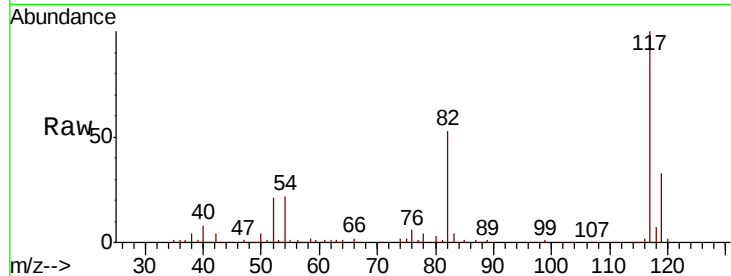
Tot Ion:117 Resp: 661848

Ion Ratio Lower Upper

117 100

82 53.4 42.2 63.4

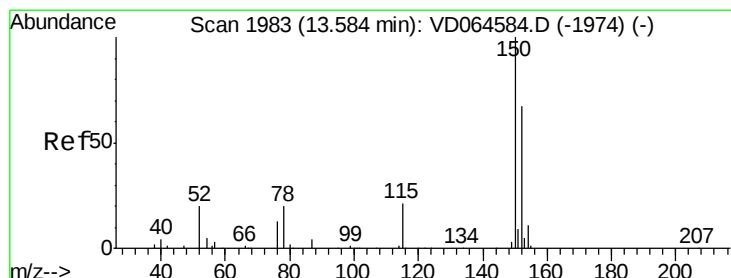
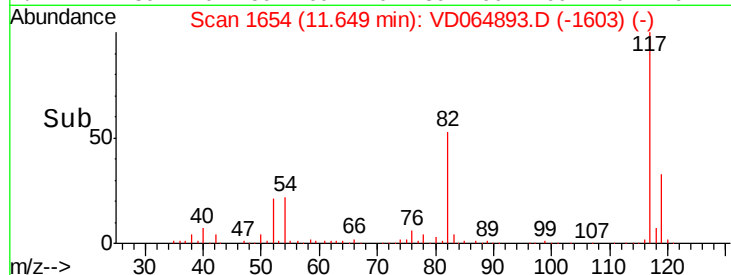
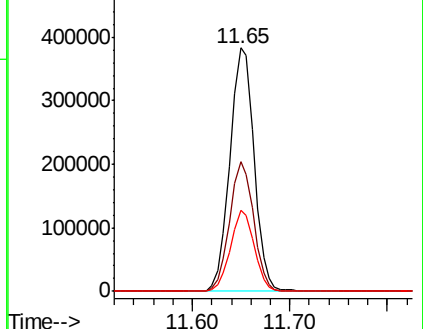
119 33.2 26.0 39.0



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: VD064893.D

Acq: 20 Jan 2020 16:33

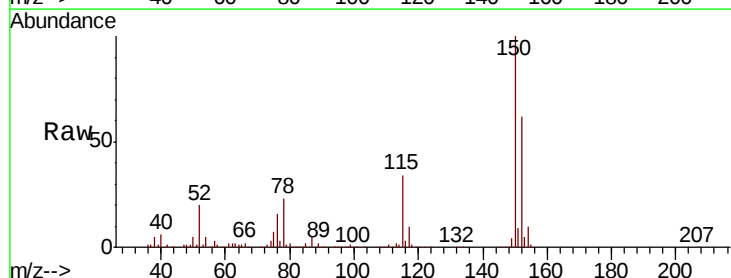
Tgt Ion:152 Resp: 315548

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.4

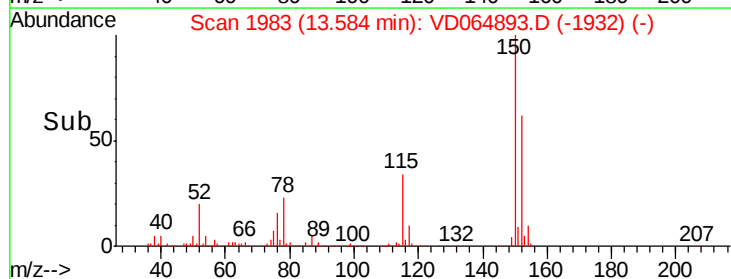
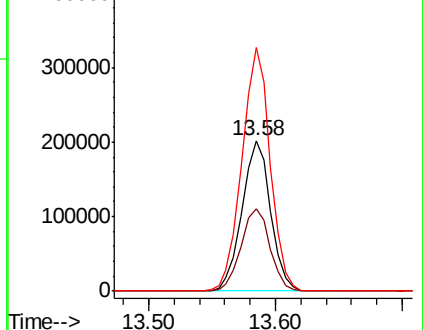
150 159.8 0.0 351.4

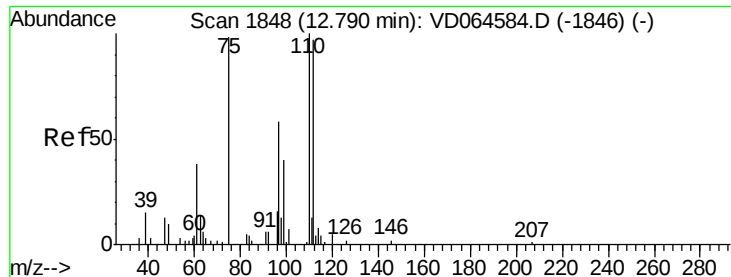


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 60.405 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064893.D

Acq: 20 Jan 2020 16:33

Instrument :

MSVOA_D

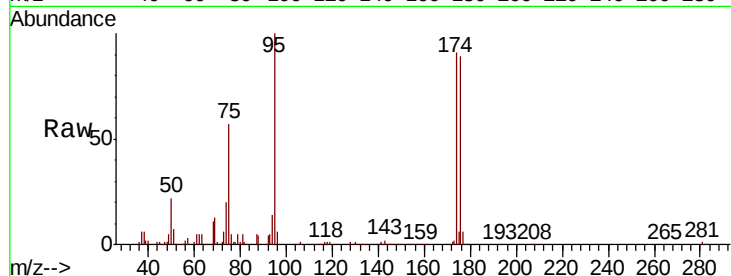
ClientSampled :

Tot Ion: 75 Resp: 150515

Ion Ratio Lower Upper

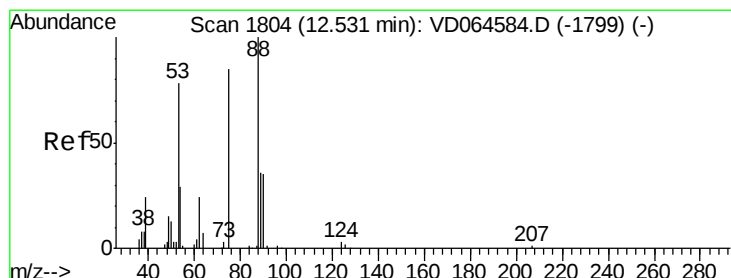
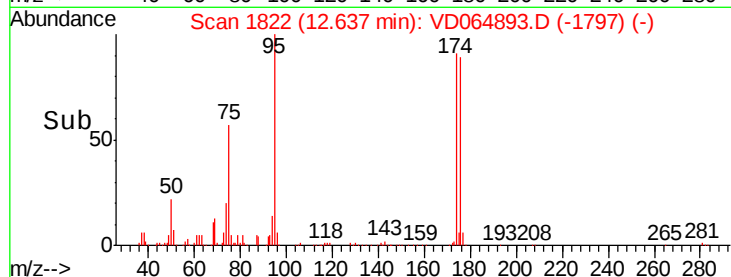
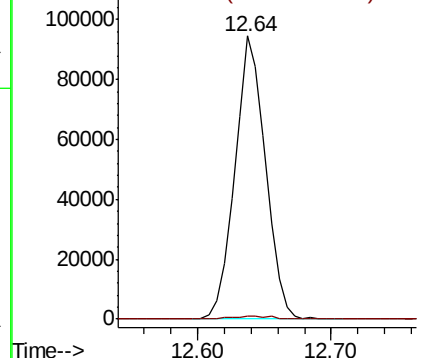
75 100

77 1.3 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: 126.335 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064893.D

Acq: 20 Jan 2020 16:33

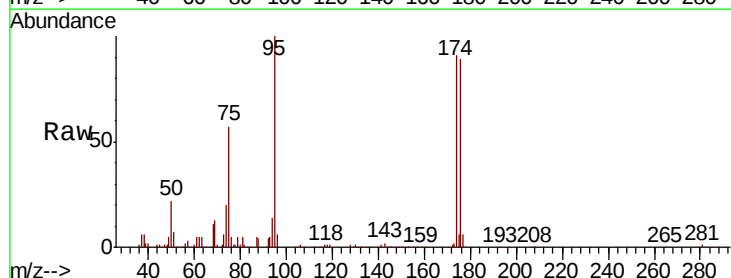
Tgt Ion: 75 Resp: 150515

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 38.3 57.5#



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

