

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064892.D
 Acq On : 20 Jan 2020 16:04
 Operator : VA/SY
 Sample : L1189-04
 Misc : 5.40G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 21 04:10:32 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

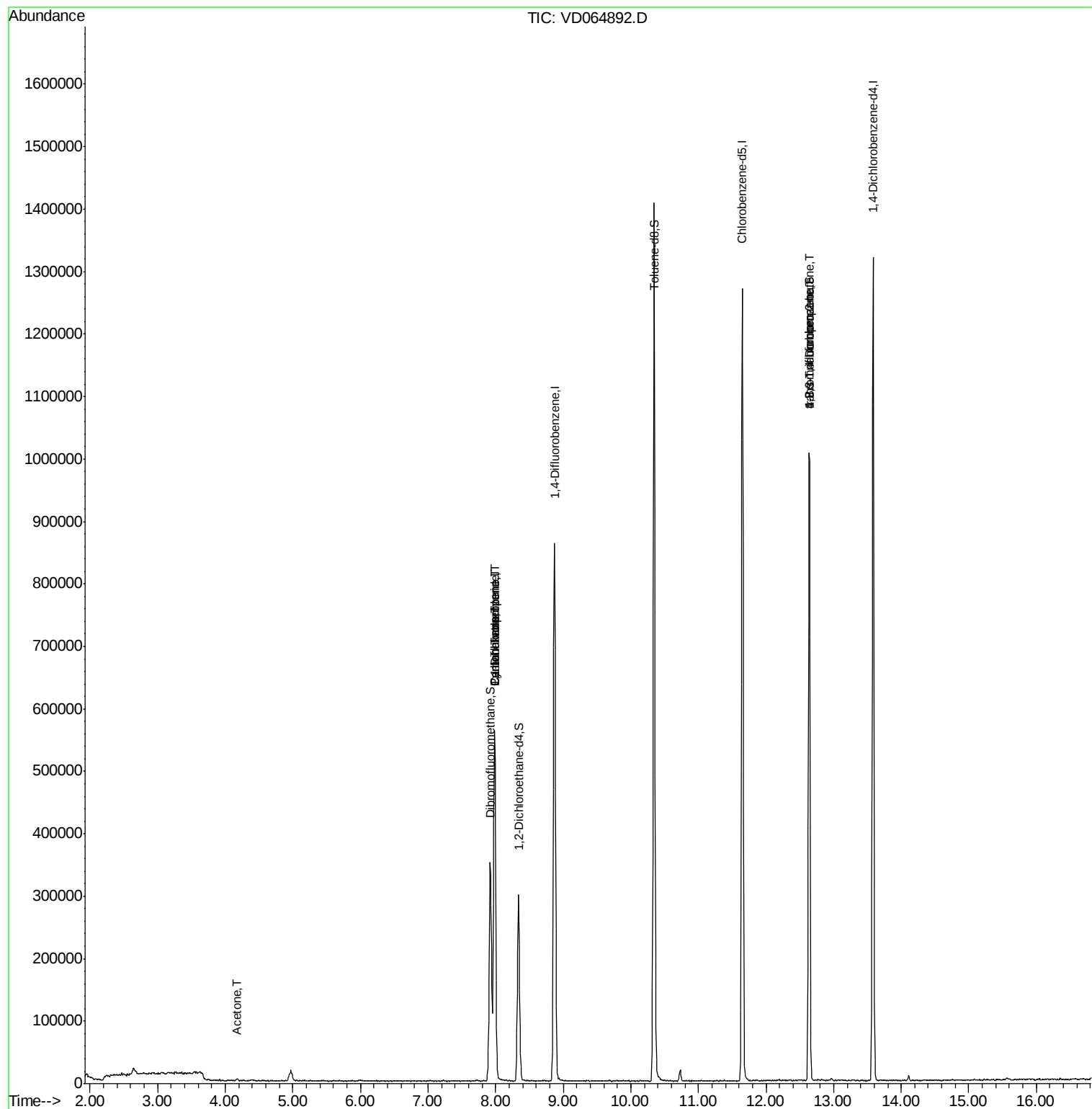
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	431648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	739286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	707346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	340117	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	234288	61.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.10%	
35) Dibromofluoromethane	7.92	113	241217	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
50) Toluene-d8	10.34	98	919029	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
62) 4-Bromofluorobenzene	12.64	95	294915	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
Target Compounds						
16) Acetone	4.17	43	4857	9.524	ug/l	92
20) Methylene Chloride	4.97	84	12451	Below Cal		95
31) Cyclohexane	7.99	56	9563	1.347	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	31535	4.432	ug/l #	50
38) Carbon Tetrachloride	7.99	117	42384	5.586	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	162120	60.362	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	162120	126.246	ug/l #	10

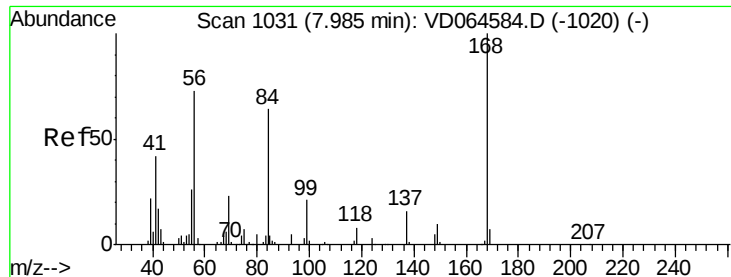
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064892.D

Acq: 20 Jan 2020 16:04

Instrument :

MSVOA_D

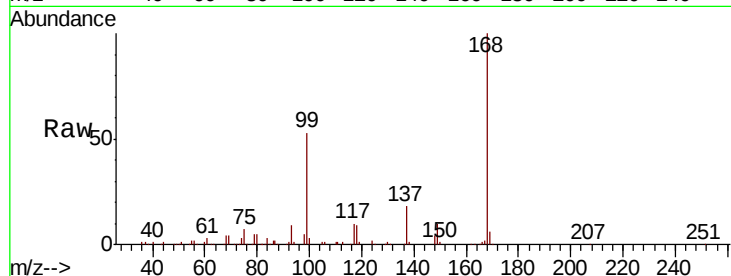
ClientSampled :

Tot Ion:168 Resp: 431648

Ion Ratio Lower Upper

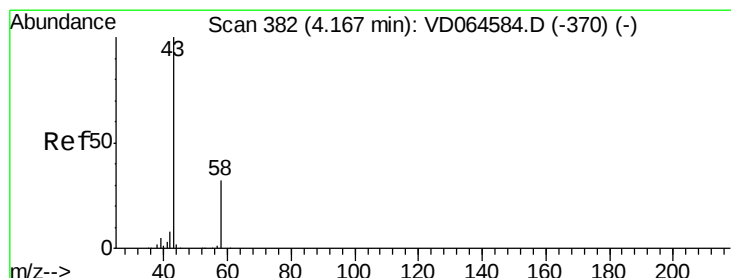
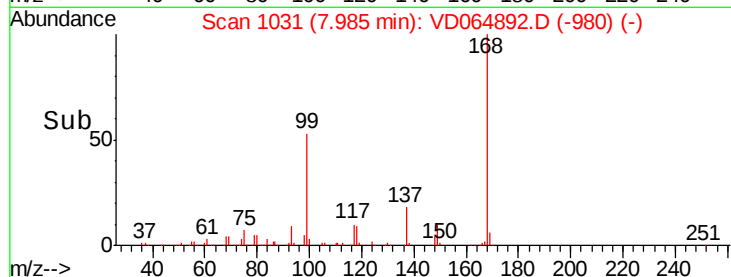
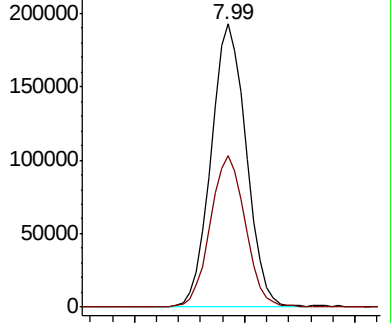
168 100

99 53.4 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 9.524 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064892.D

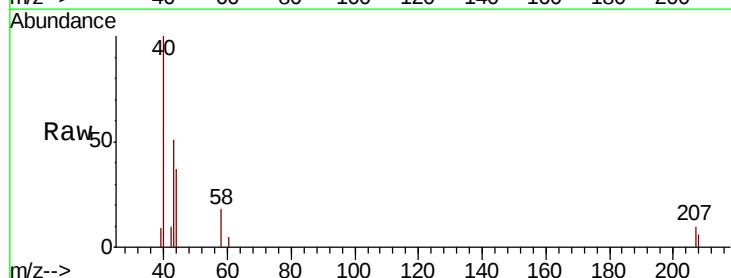
Acq: 20 Jan 2020 16:04

Tgt Ion: 43 Resp: 4857

Ion Ratio Lower Upper

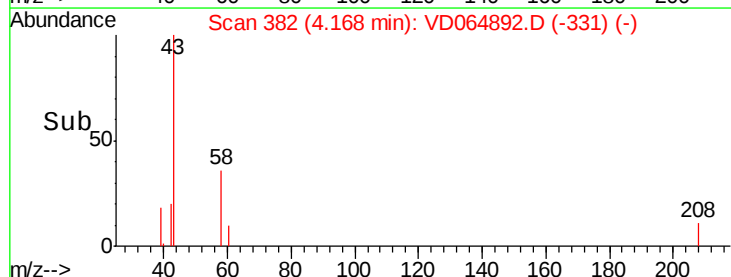
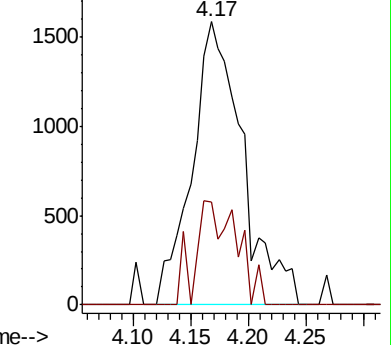
43 100

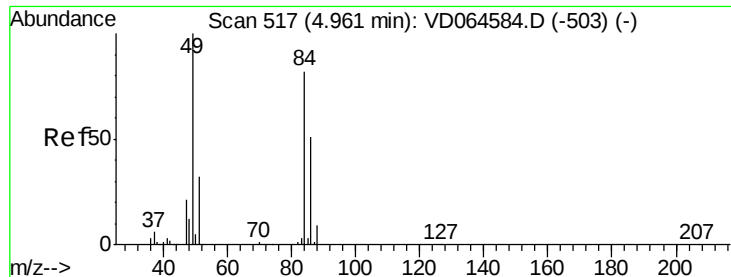
58 36.5 25.8 38.6



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: VD064892.D

Acq: 20 Jan 2020 16:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 12451

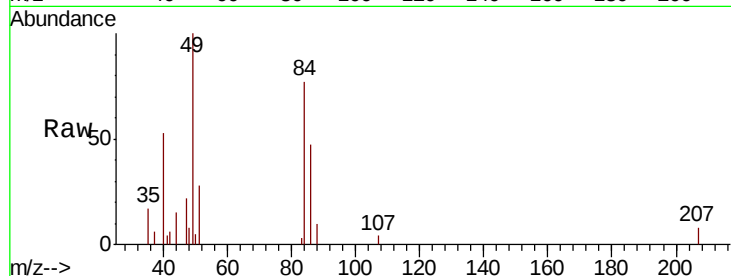
Ion Ratio Lower Upper

84 100

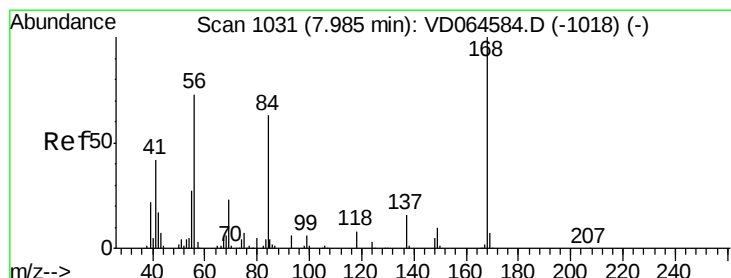
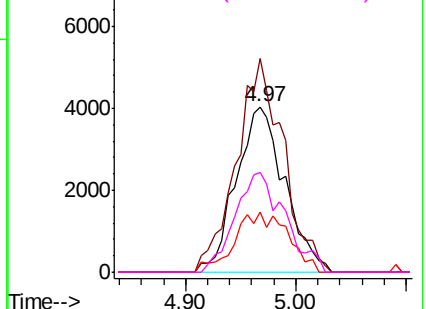
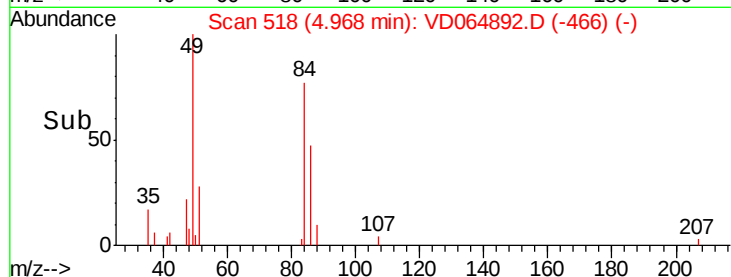
49 129.1 97.2 145.8

51 36.8 31.4 47.0

86 60.1 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



#31

Cyclohexane

Concen: 1.347 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064892.D

Acq: 20 Jan 2020 16:04

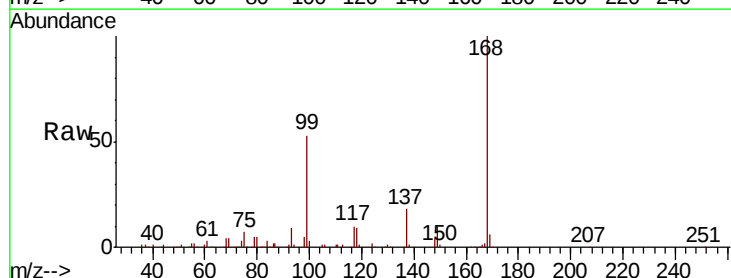
Tgt Ion: 56 Resp: 9563

Ion Ratio Lower Upper

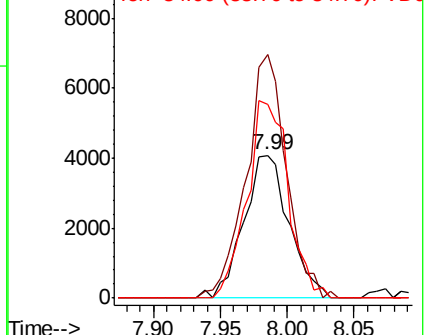
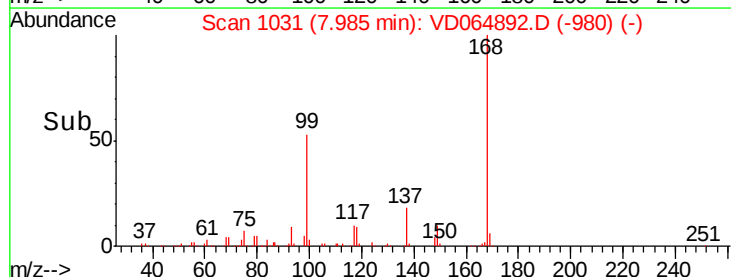
56 100

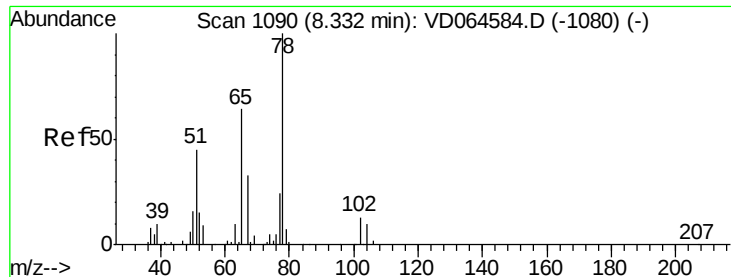
69 170.8 24.7 37.1#

84 144.4 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

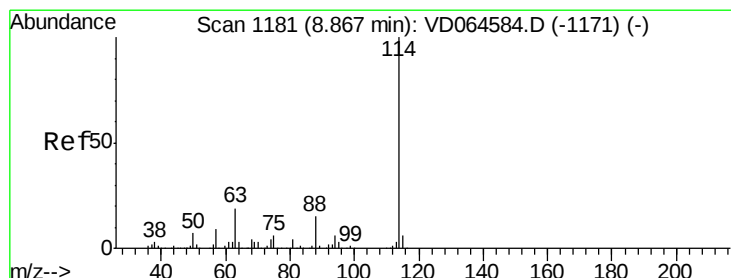
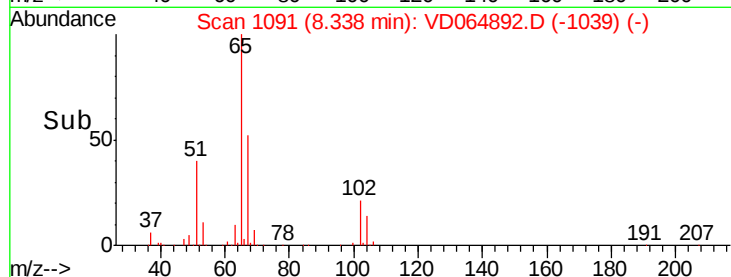
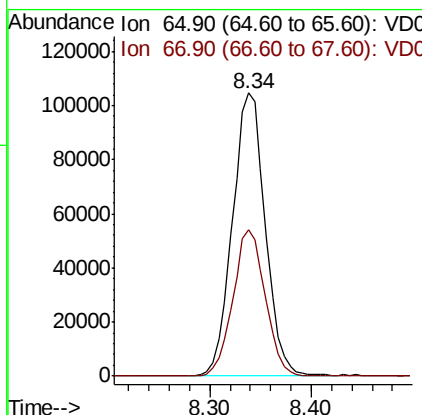
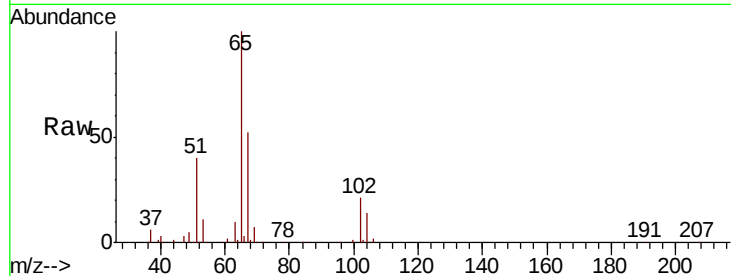




#33
 1,2-Dichloroethane-d4
 Concen: 61.554 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064892.D
 Acq: 20 Jan 2020 16:04

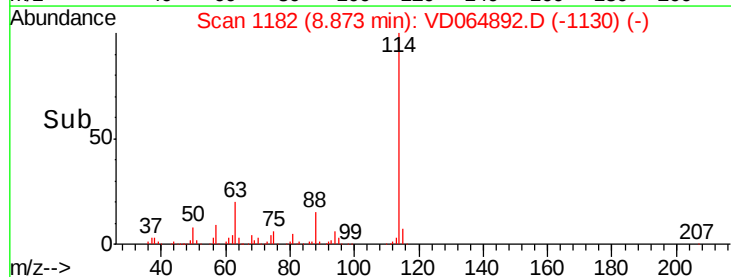
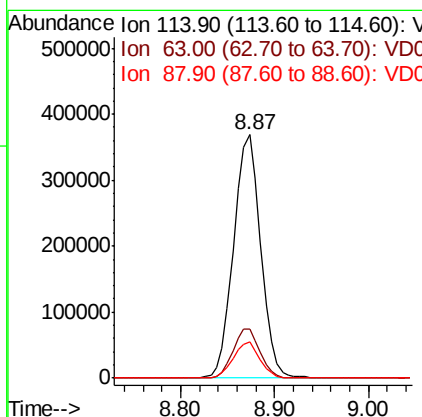
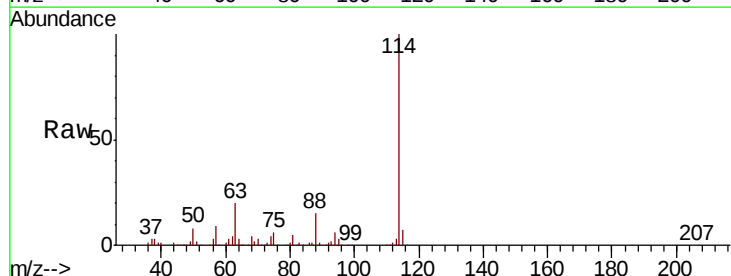
Instrument :
 MSVOA_D
 ClientSampleId :

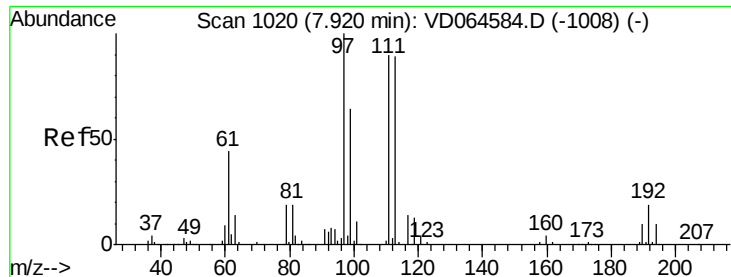
Tot Ion: 65 Resp: 234288
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD064892.D
 Acq: 20 Jan 2020 16:04

Tgt Ion: 114 Resp: 739286
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.0
 88 14.8 0.0 29.2





#35

Dibromofluoromethane

Concen: 53.182 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064892.D

Acq: 20 Jan 2020 16:04

Instrument :

MSVOA_D

ClientSampleId :

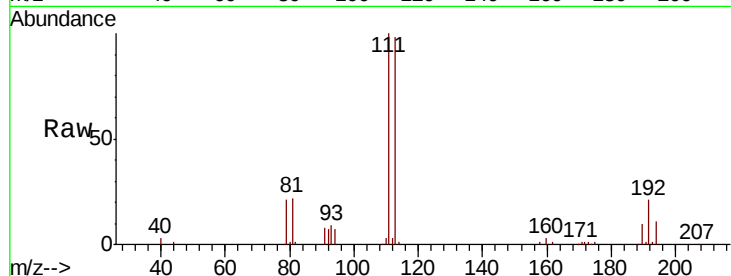
Tot Ion:113 Resp: 241217

Ion Ratio Lower Upper

113 100

111 102.1 80.6 121.0

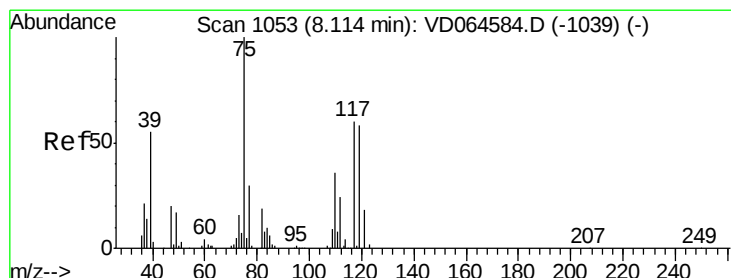
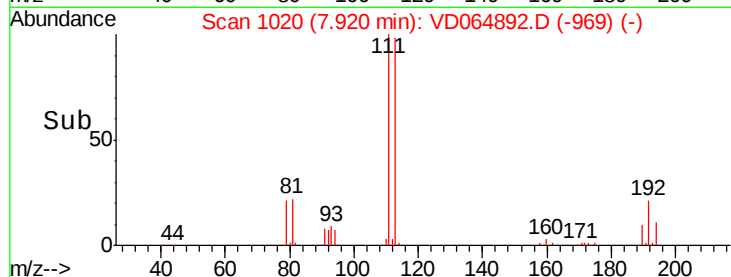
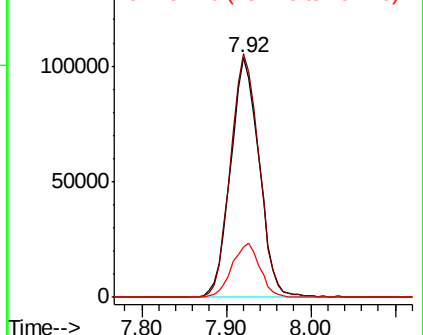
192 22.1 17.9 26.9



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: 4.432 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064892.D

Acq: 20 Jan 2020 16:04

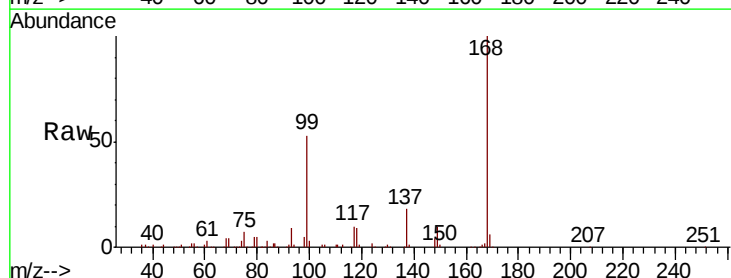
Tgt Ion: 75 Resp: 31535

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.1#

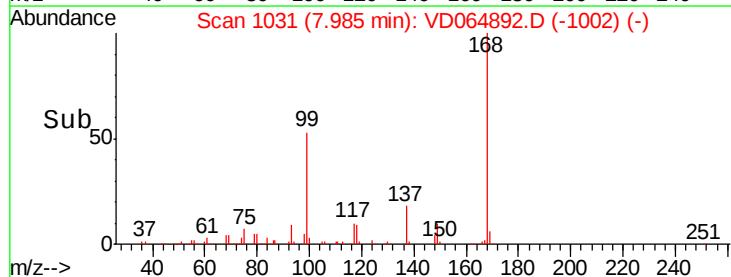
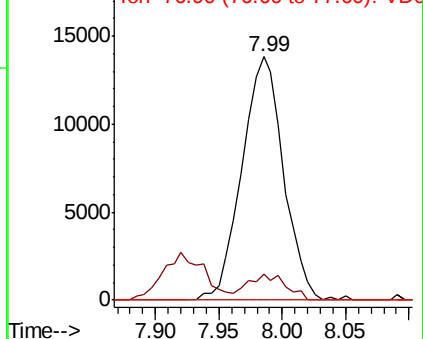
77 0.0 24.2 36.4#

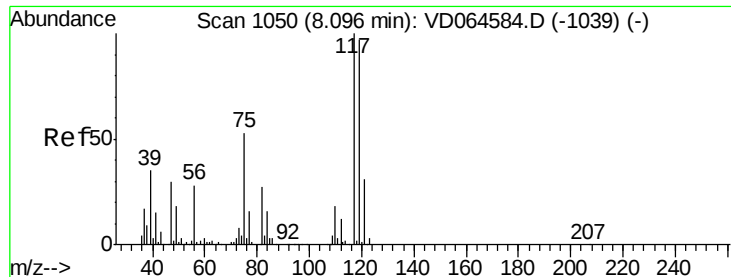


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.586 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064892.D

Acq: 20 Jan 2020 16:04

Instrument :

MSVOA_D

ClientSampleId :

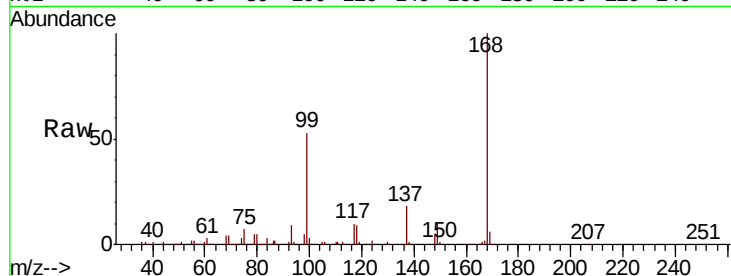
Tot Ion:117 Resp: 42384

Ion Ratio Lower Upper

117 100

119 6.0 77.3 115.9#

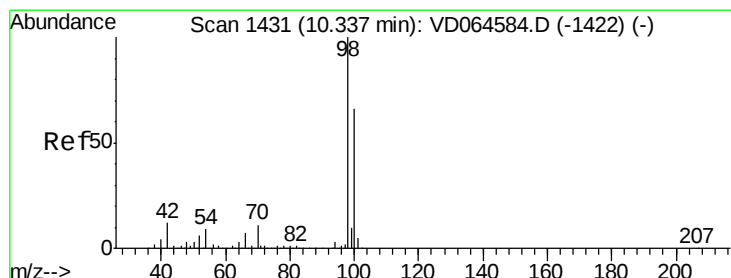
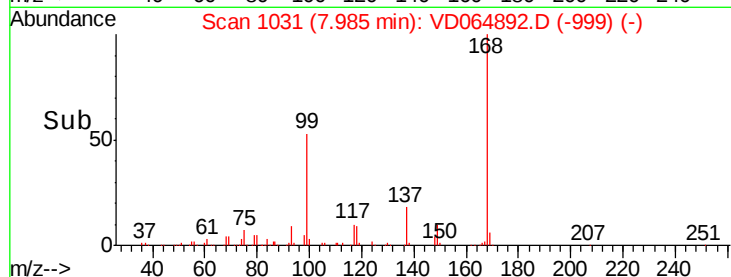
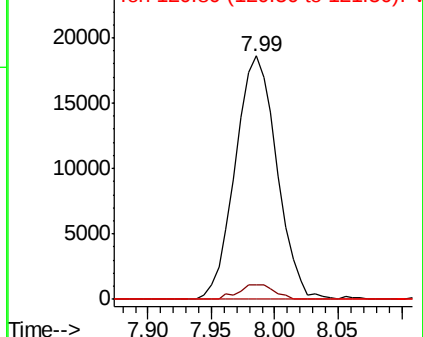
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 52.906 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064892.D

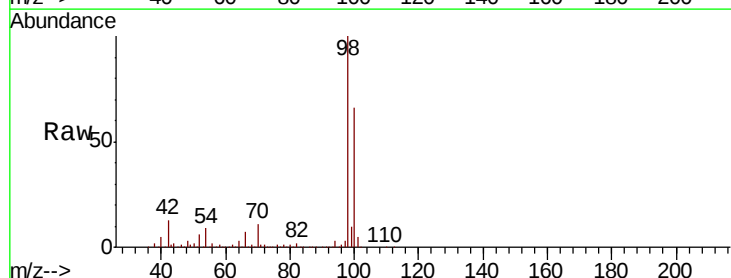
Acq: 20 Jan 2020 16:04

Tgt Ion: 98 Resp: 919029

Ion Ratio Lower Upper

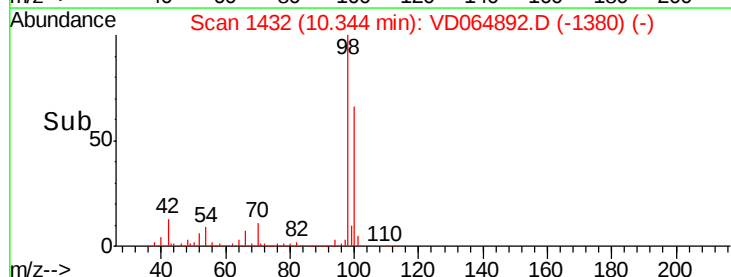
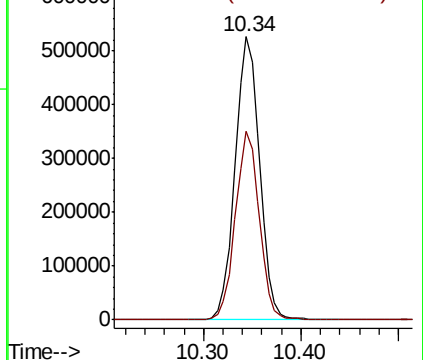
98 100

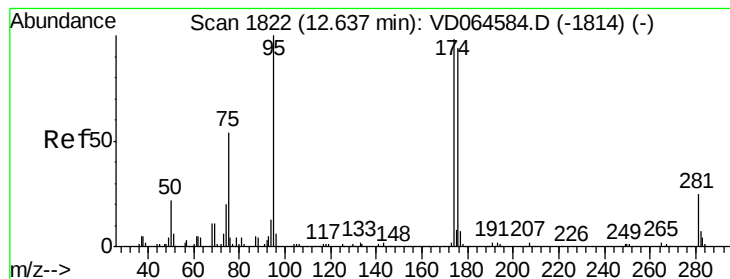
100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 53.690 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064892.D

Acq: 20 Jan 2020 16:04

Instrument :

MSVOA_D

ClientSampleId :

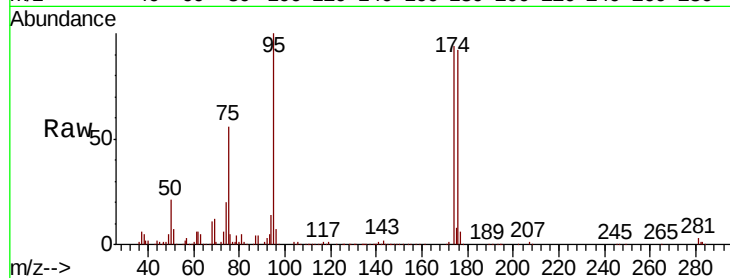
Tot Ion: 95 Resp: 294915

Ion Ratio Lower Upper

95 100

174 94.8 0.0 193.2

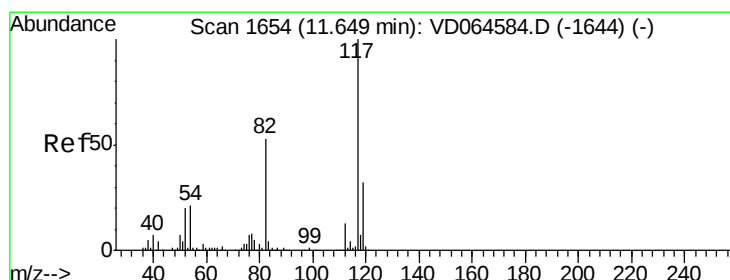
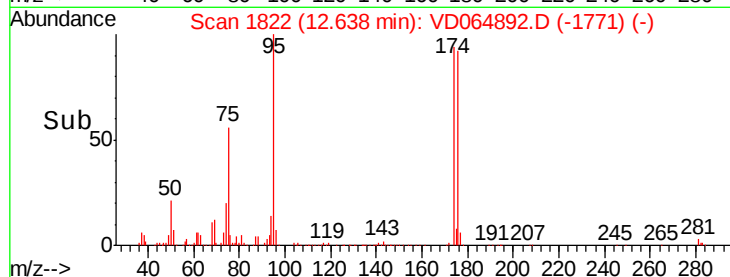
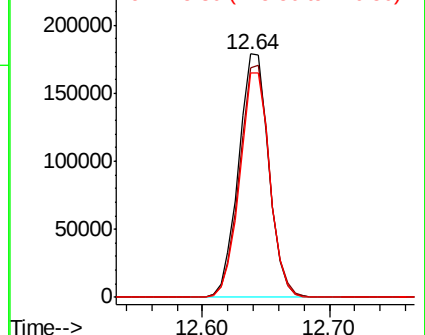
176 91.4 0.0 184.2



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: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064892.D

Acq: 20 Jan 2020 16:04

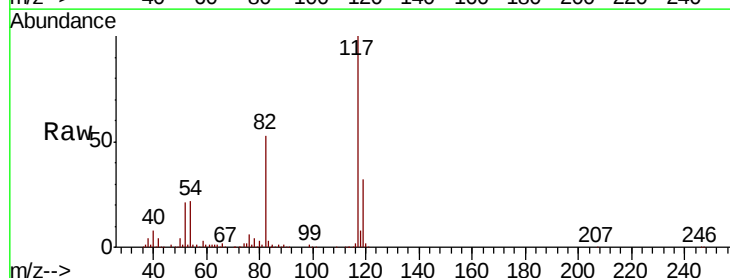
Tgt Ion: 117 Resp: 707346

Ion Ratio Lower Upper

117 100

82 53.1 42.2 63.4

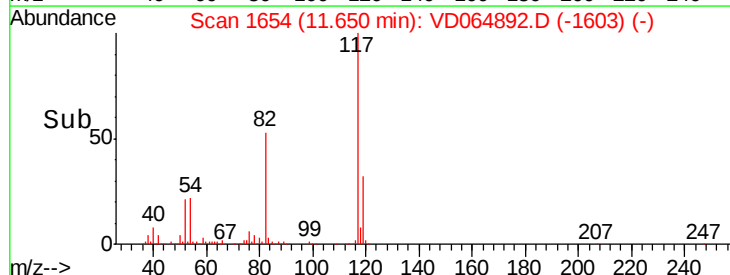
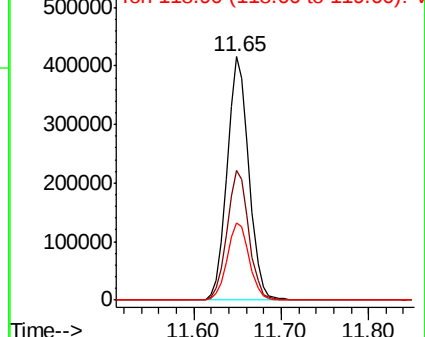
119 31.6 26.0 39.0

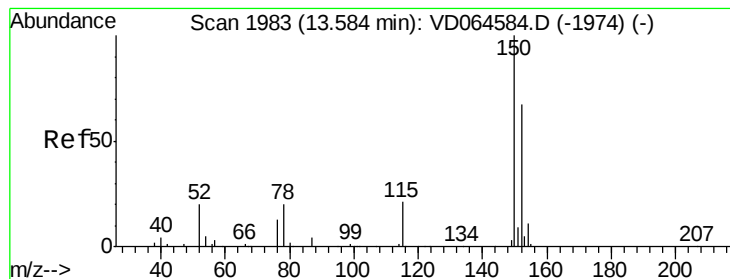


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064892.D

Acq: 20 Jan 2020 16:04

Instrument :

MSVOA_D

ClientSampleId :

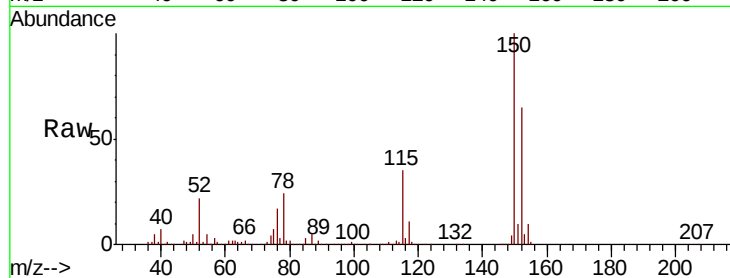
Tot Ion:152 Resp: 340117

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.4

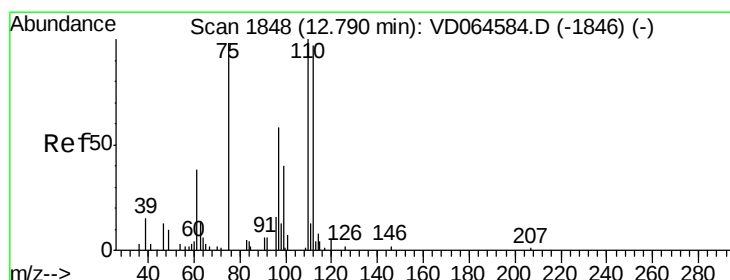
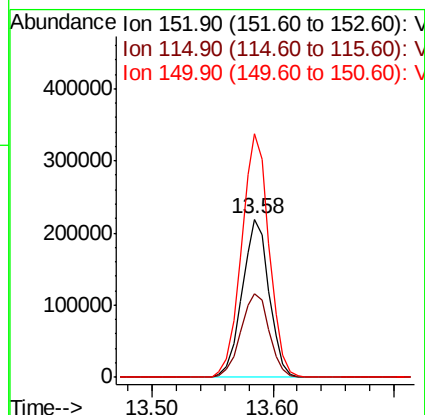
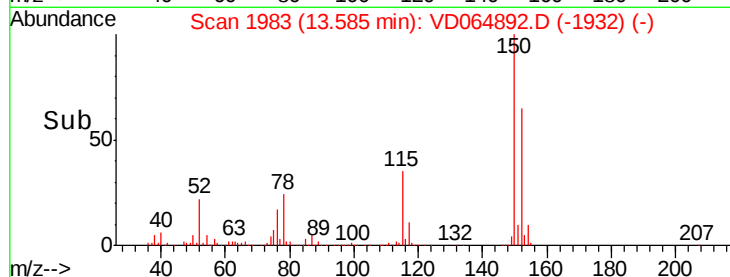
150 157.3 0.0 351.4



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: 60.362 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064892.D

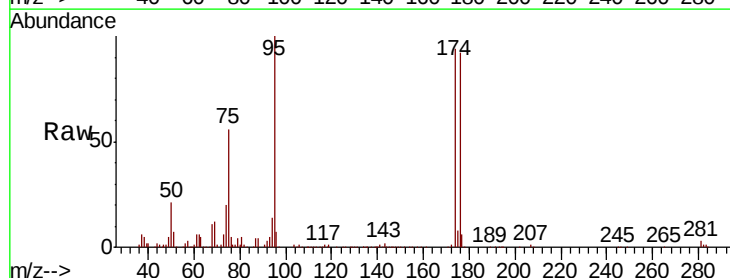
Acq: 20 Jan 2020 16:04

Tgt Ion: 75 Resp: 162120

Ion Ratio Lower Upper

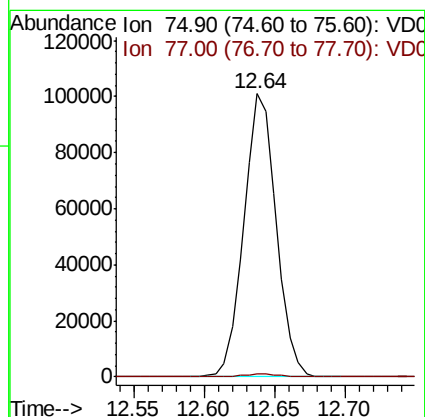
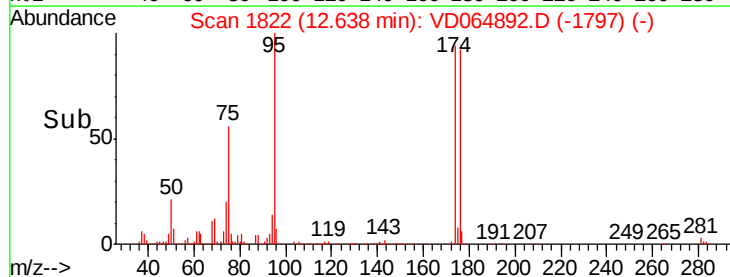
75 100

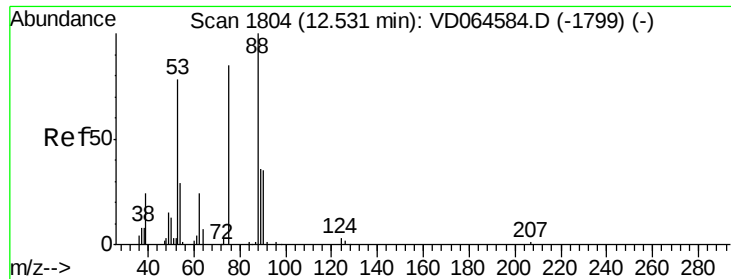
77 1.1 0.0 0.0#



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: 126.246 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064892.D
 Acq: 20 Jan 2020 16:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 162120
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.8 118.2#
 89 0.1 38.3 57.5#

