

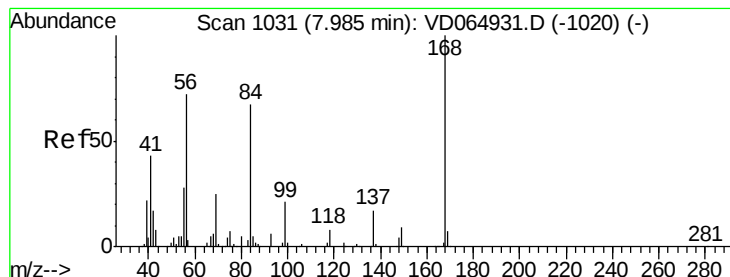
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012920\
 Data File : VD064999.D
 Acq On : 29 Jan 2020 16:57
 Operator : VA/SY
 Sample : L1313-03
 Misc : 7.29G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 29 22:11:55 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	498082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	788496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	758440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	358611	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	239471	50.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.24%	
35) Dibromofluoromethane	7.92	113	243591	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
50) Toluene-d8	10.34	98	967327	50.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.64	95	316653	54.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.22%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	3330	16.170	ug/l	96
20) Methylene Chloride	4.97	84	20088	Below Cal		92
31) Cyclohexane	7.99	56	10745	1.291	ug/l #	37
36) 1,1-Dichloropropene	7.98	75	36217	4.763	ug/l #	51
38) Carbon Tetrachloride	7.98	117	48220	6.000	ug/l #	20
51) 4-Methyl-2-Pentanone	10.34	43	5134	1.720	ug/l #	1
71) Bromoform	12.64	173	3315	1.030	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	171002	57.451	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	171002	122.670	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: VD064999.D

Acq: 29 Jan 2020 16:57

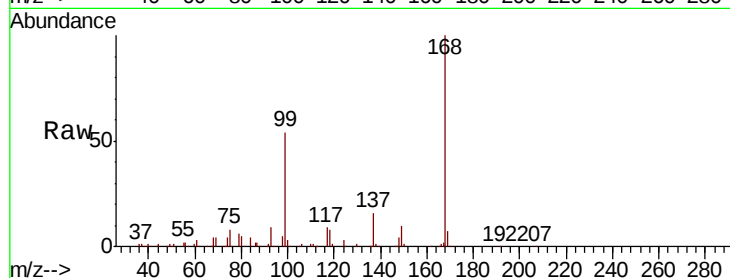
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 498082

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

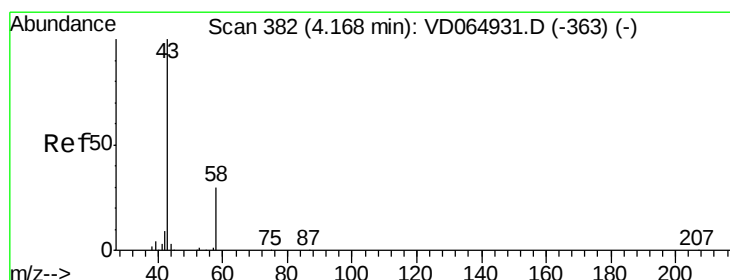
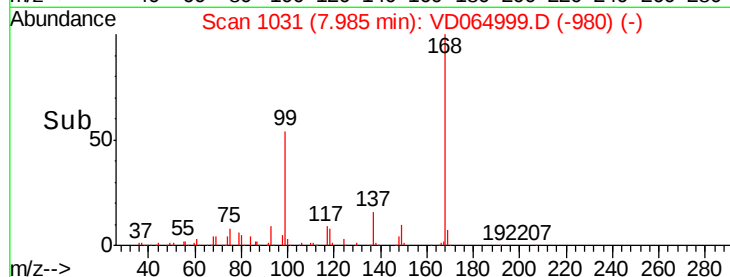
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 16.170 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064999.D

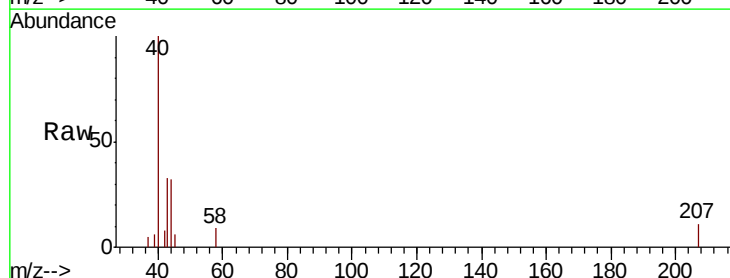
Acq: 29 Jan 2020 16:57

Tgt Ion: 43 Resp: 3330

Ion Ratio Lower Upper

43 100

58 27.5 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

1200

1000

800

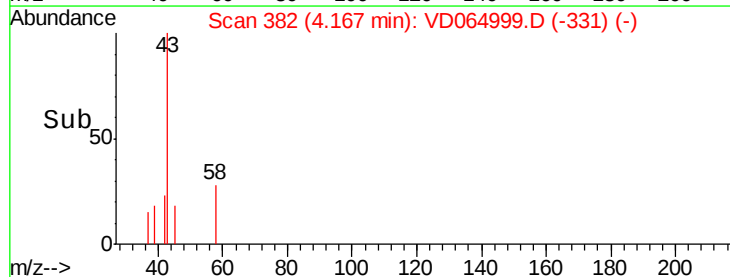
600

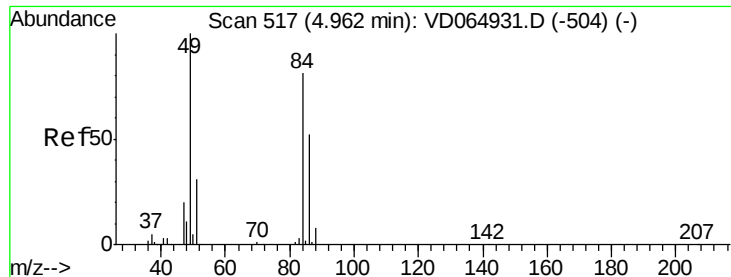
400

200

0

Time-->

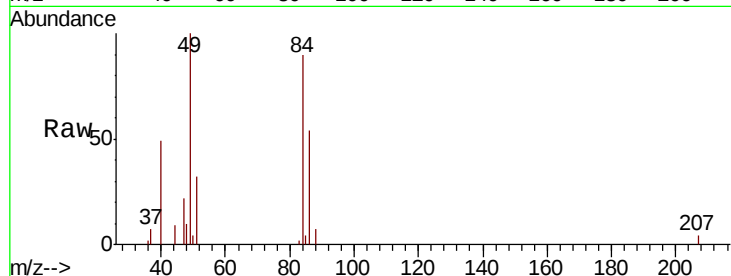




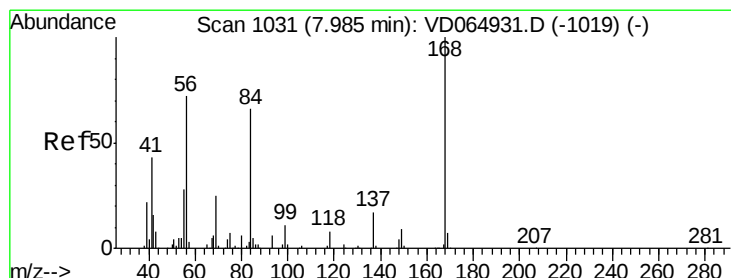
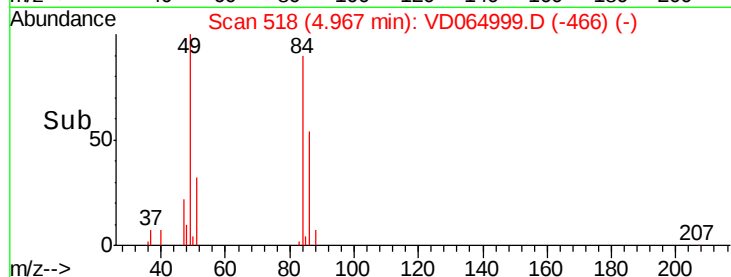
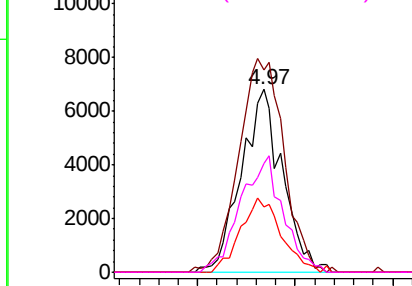
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064999.D
Acq: 29 Jan 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 20088
Ion Ratio Lower Upper
84 100
49 110.7 98.4 147.6
51 35.9 30.8 46.2
86 59.3 51.0 76.6

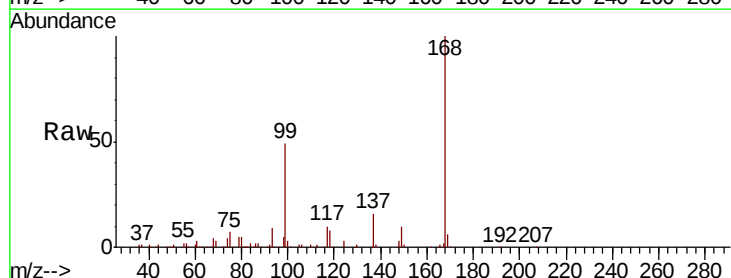


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

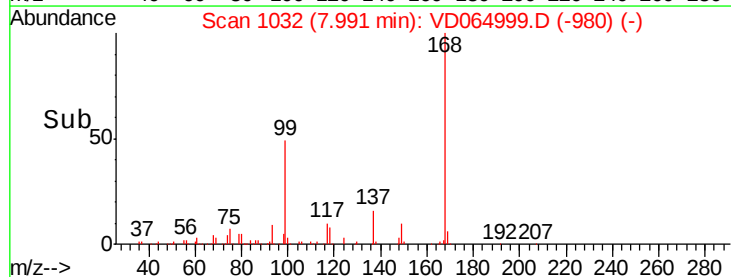
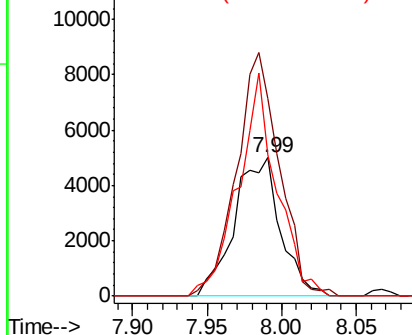


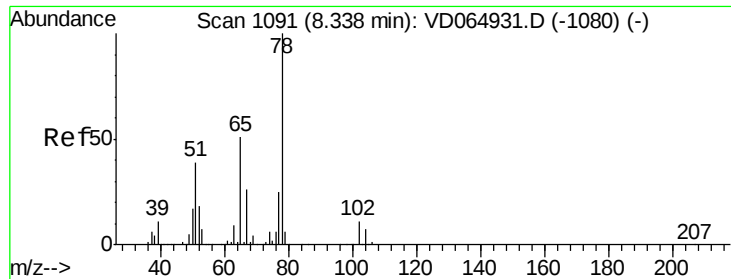
#31
Cyclohexane
Concen: 1.291 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064999.D
Acq: 29 Jan 2020 16:57

Tgt Ion: 56 Resp: 10745
Ion Ratio Lower Upper
56 100
69 143.0 27.9 41.9#
84 106.1 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: 50.123 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064999.D

Acq: 29 Jan 2020 16:57

Instrument :

MSVOA_D

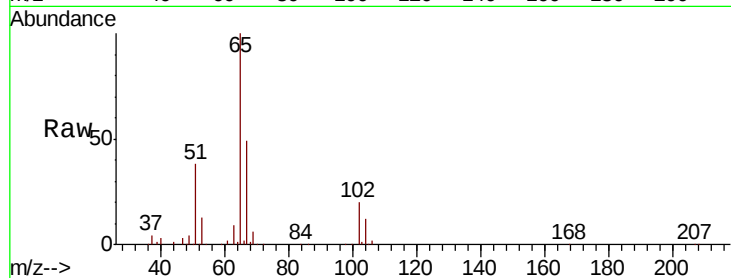
ClientSampleId :

Tot Ion: 65 Resp: 239471

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

120000

100000

80000

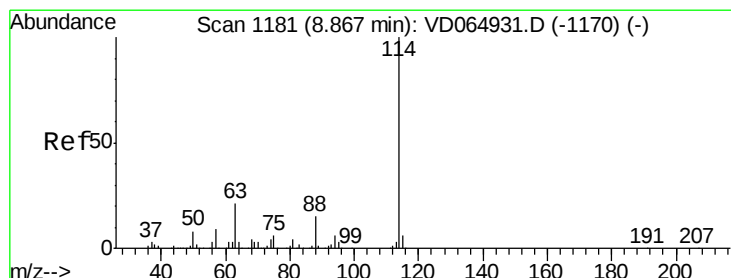
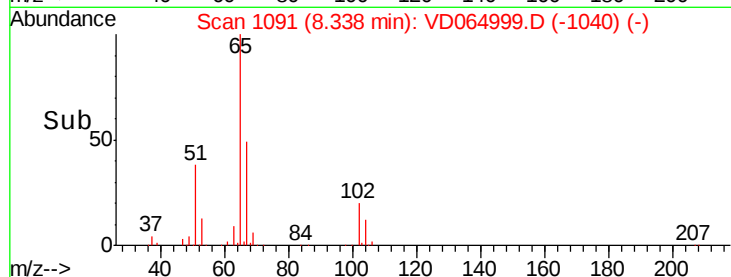
60000

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: VD064999.D

Acq: 29 Jan 2020 16:57

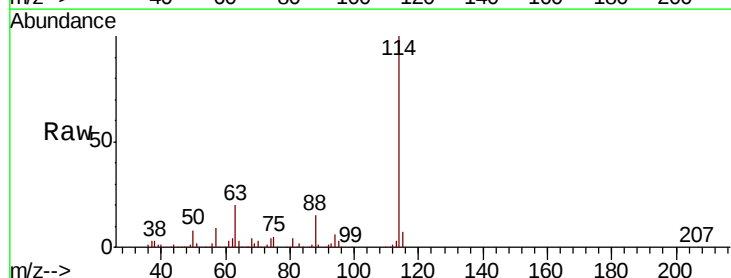
Tgt Ion: 114 Resp: 788496

Ion Ratio Lower Upper

114 100

63 20.4 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): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

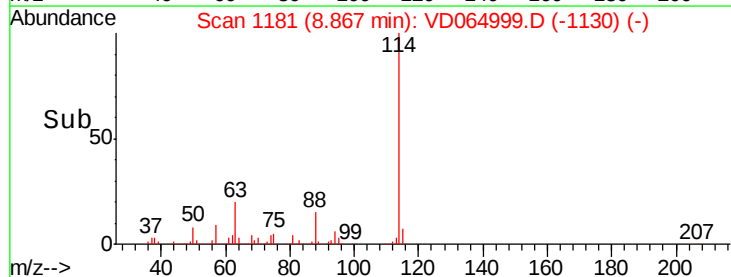
300000

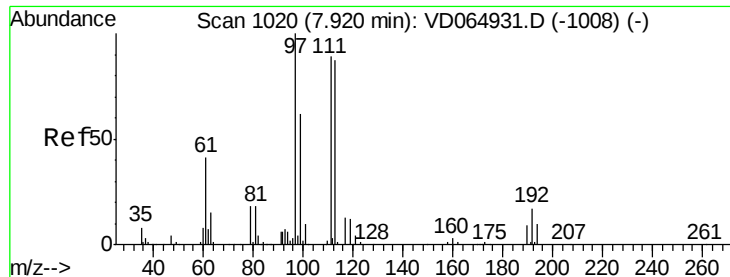
200000

100000

0

Time--> 8.80 8.90 9.00

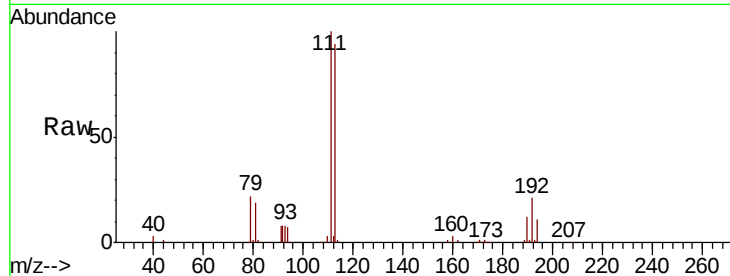




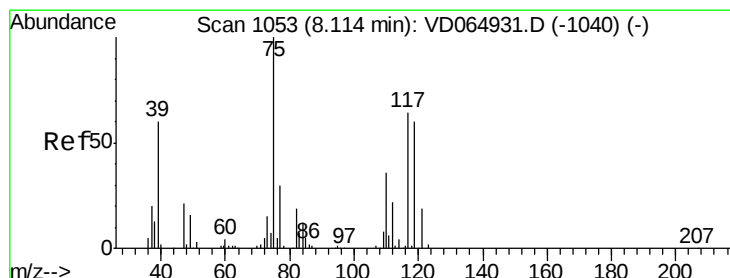
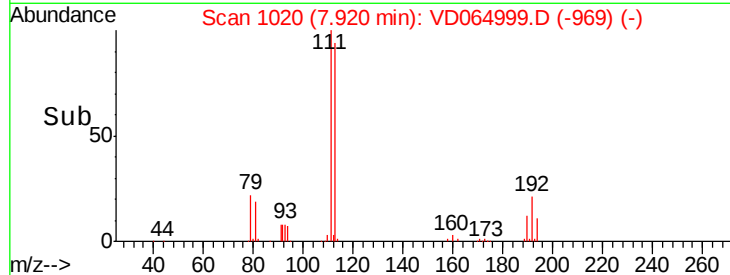
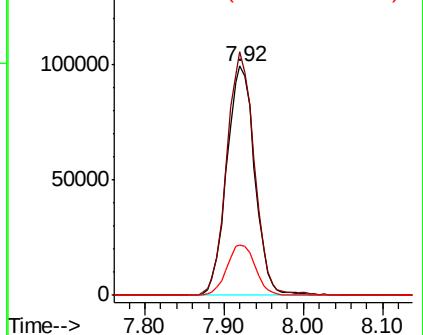
#35
 Dibromofluoromethane
 Concen: 49.161 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064999.D
 Acq: 29 Jan 2020 16:57

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.4	123.6
192	22.2	16.9	25.3

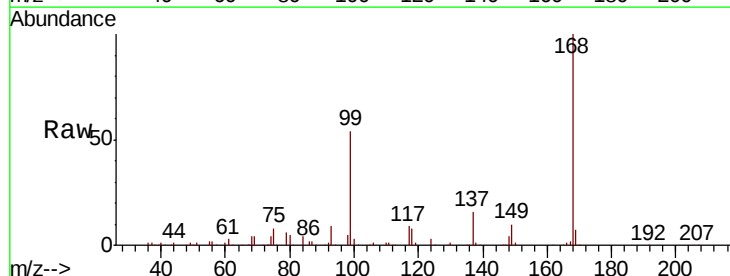


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

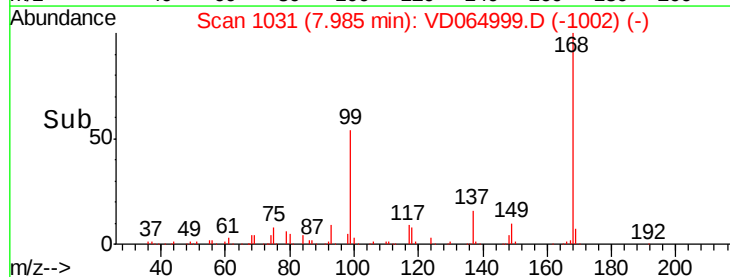
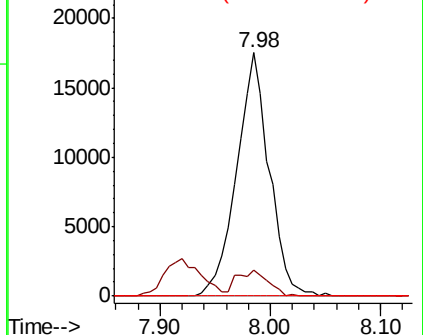


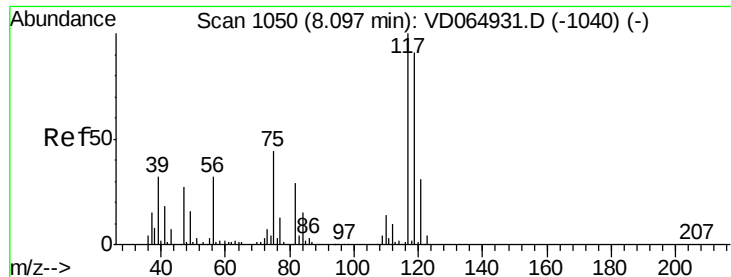
#36
 1,1-Dichloropropene
 Concen: 4.763 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064999.D
 Acq: 29 Jan 2020 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.3	52.0#
77	0.0	24.7	37.1#



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





#38

Carbon Tetrachloride

Concen: 6.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064999.D

Acq: 29 Jan 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

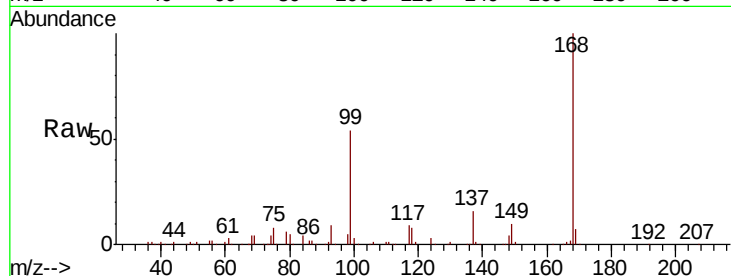
Tot Ion:117 Resp: 48220

Ion Ratio Lower Upper

117 100

119 7.2 73.2 109.8#

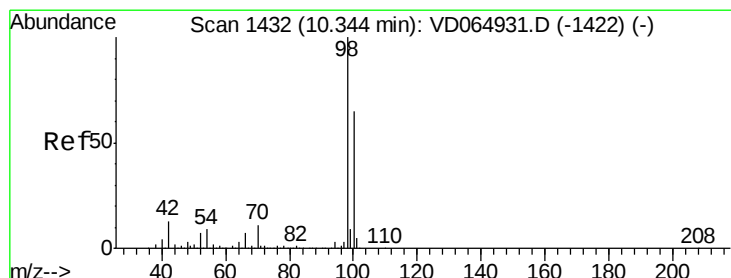
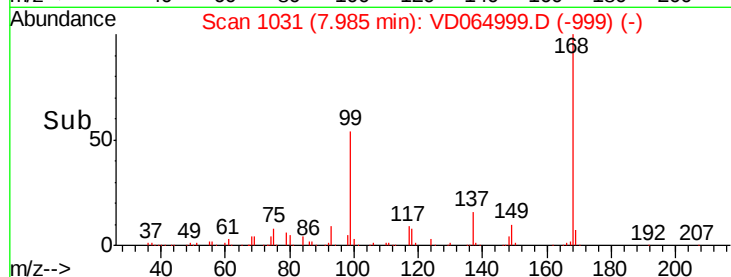
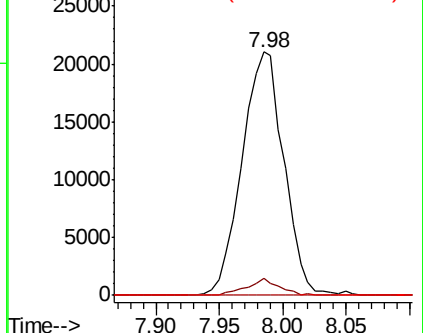
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 50.581 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064999.D

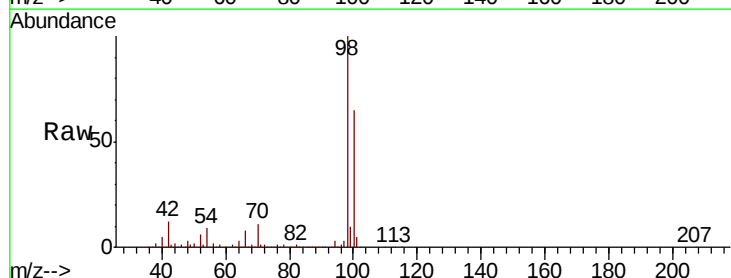
Acq: 29 Jan 2020 16:57

Tgt Ion: 98 Resp: 967327

Ion Ratio Lower Upper

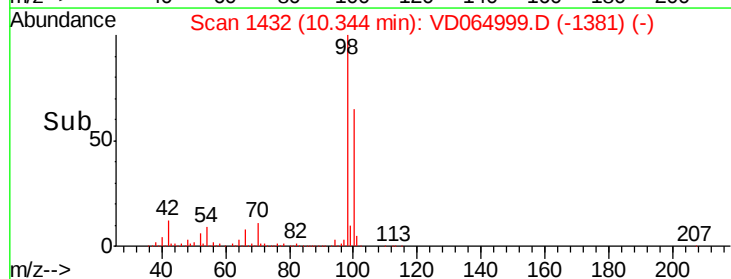
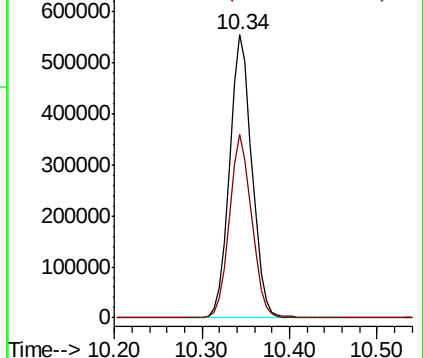
98 100

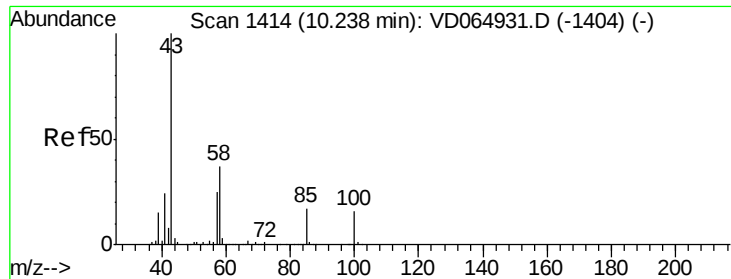
100 64.4 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.720 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD064999.D

Acq: 29 Jan 2020 16:57

Instrument :

MSVOA_D

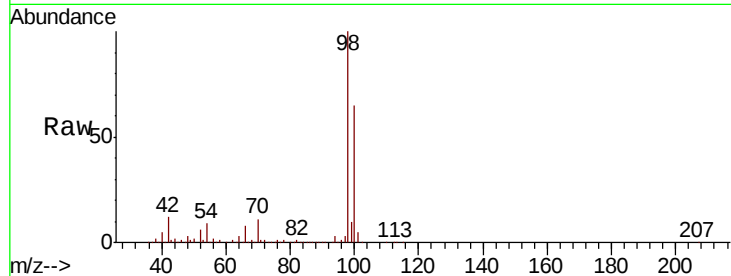
ClientSampled :

Tot Ion: 43 Resp: 5134

Ion Ratio Lower Upper

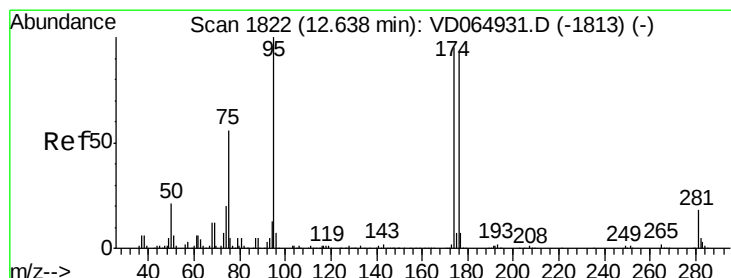
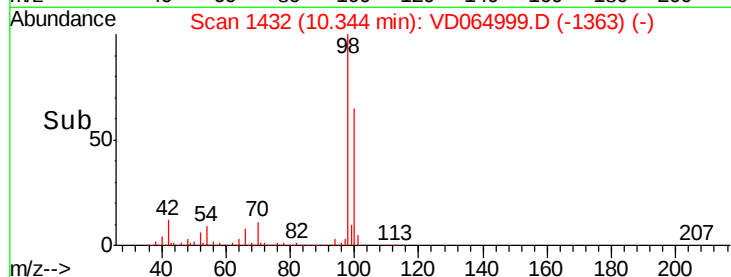
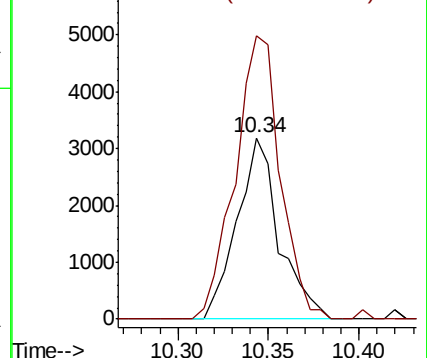
43 100

58 168.0 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: 54.106 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD064999.D

Acq: 29 Jan 2020 16:57

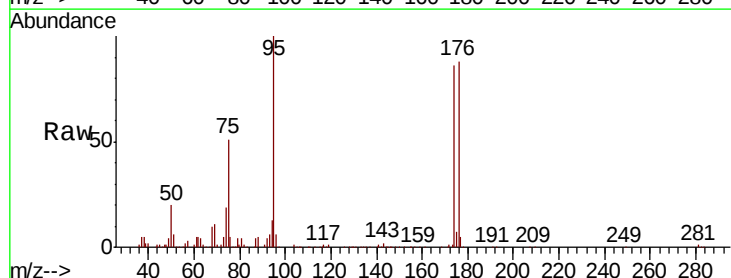
Tgt Ion: 95 Resp: 316653

Ion Ratio Lower Upper

95 100

174 90.8 0.0 186.8

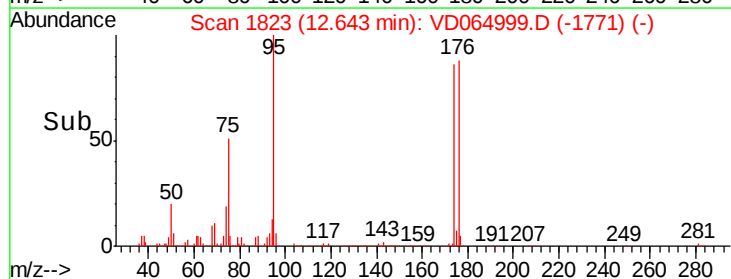
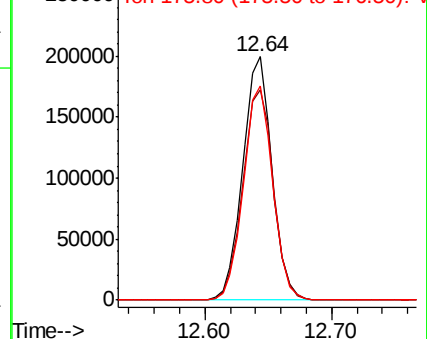
176 88.6 0.0 183.4

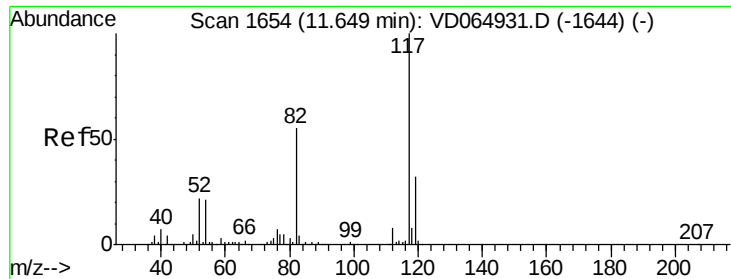


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

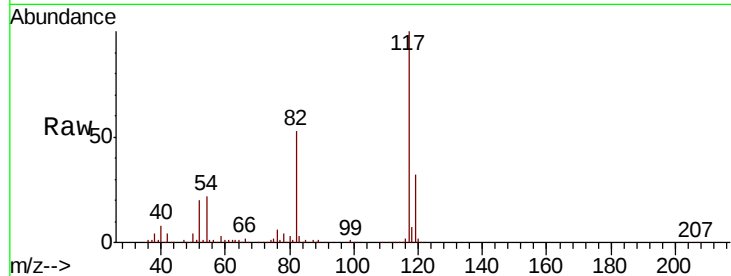




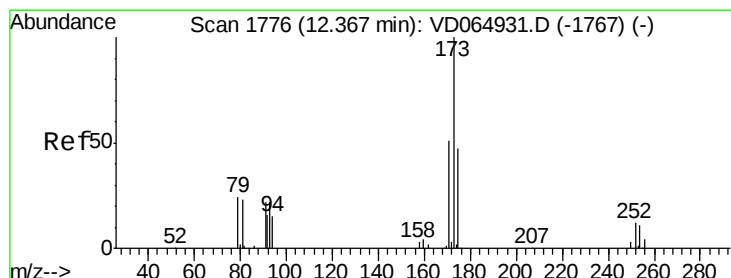
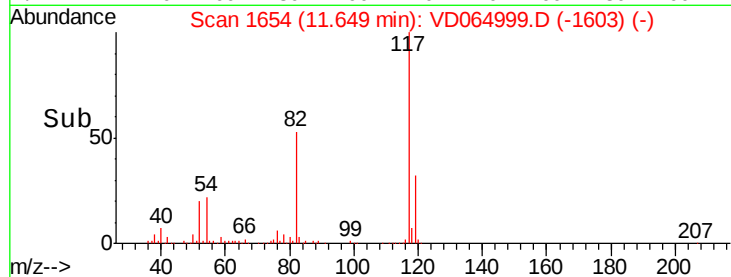
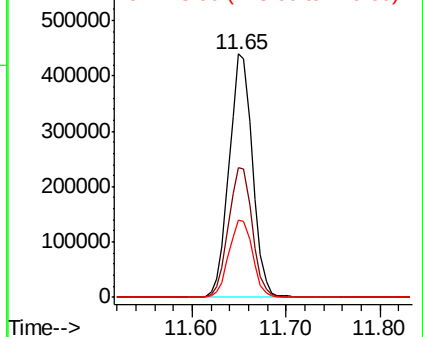
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064999.D
Acq: 29 Jan 2020 16:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 758440
Ion Ratio Lower Upper
117 100
82 53.4 43.6 65.4
119 31.6 25.2 37.8

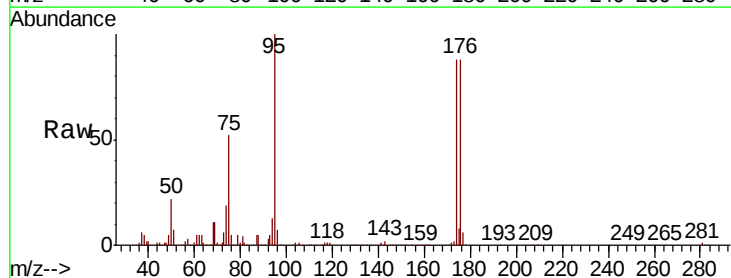


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

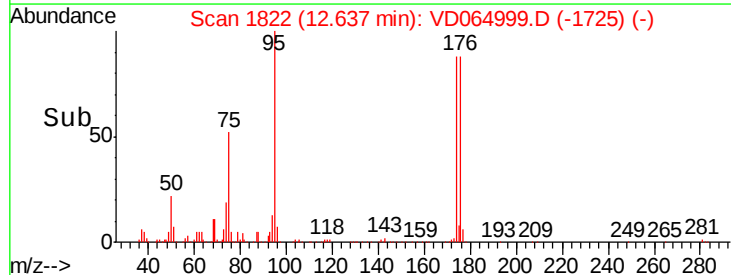
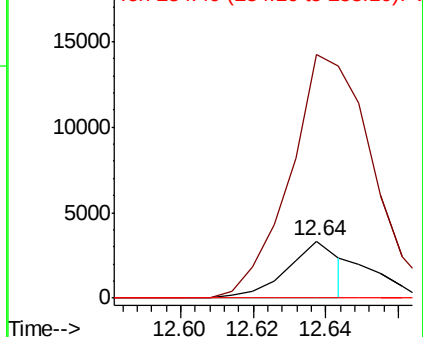


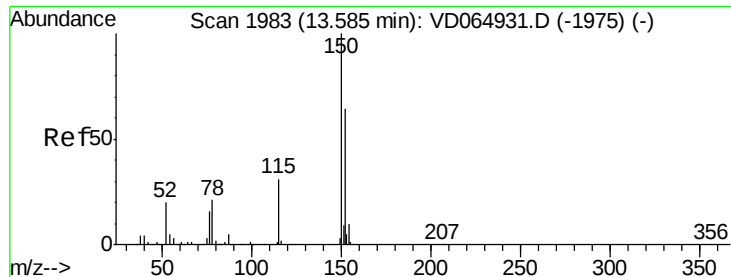
#71
Bromoform
Concen: 1.030 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD064999.D
Acq: 29 Jan 2020 16:57

Tgt Ion:173 Resp: 3315
Ion Ratio Lower Upper
173 100
175 453.0 24.6 73.8#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



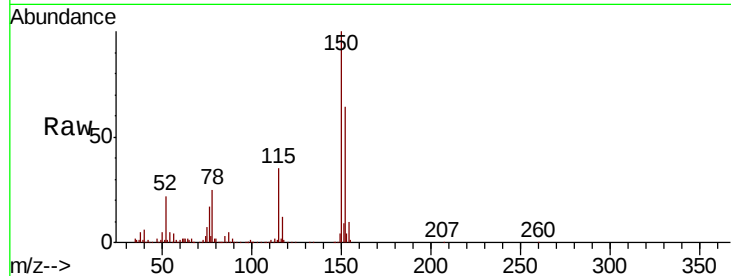


#72

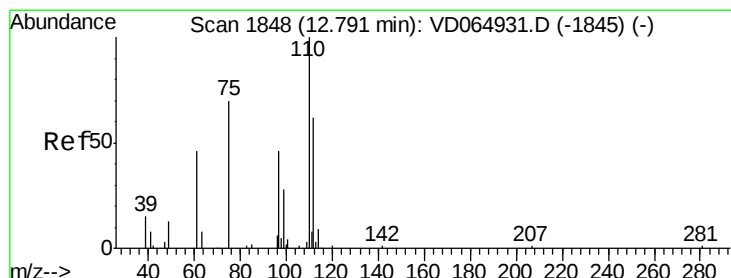
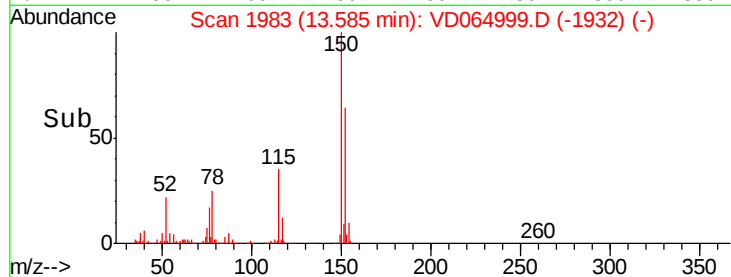
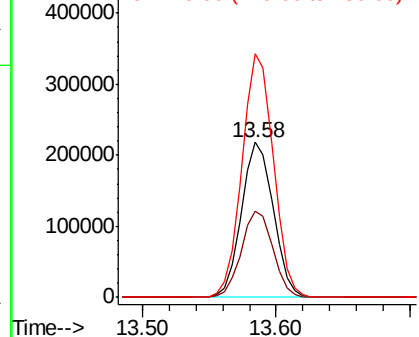
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064999.D
Acq: 29 Jan 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 358611
Ion Ratio Lower Upper
152 100
115 55.2 28.1 84.4
150 155.3 0.0 350.4



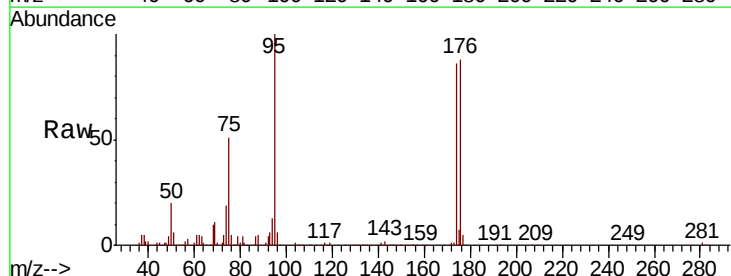
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



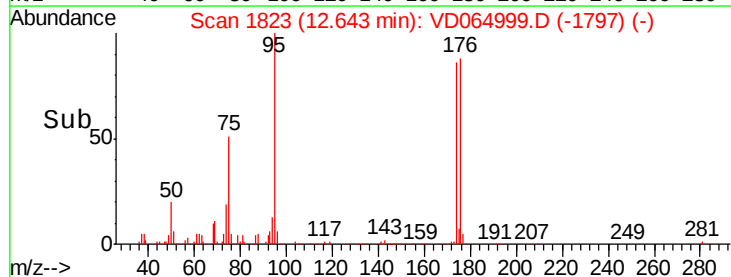
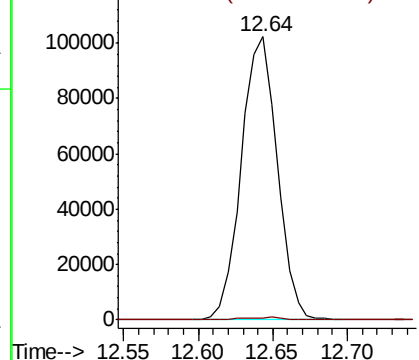
#76

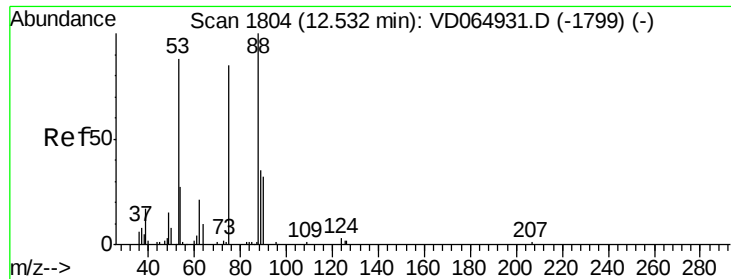
1,2,3-Trichloropropane
Concen: 57.451 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. -0.15 min
Lab File: VD064999.D
Acq: 29 Jan 2020 16:57

Tgt Ion: 75 Resp: 171002
Ion Ratio Lower Upper
75 100
77 0.9 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: 122.670 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD064999.D

Acq: 29 Jan 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

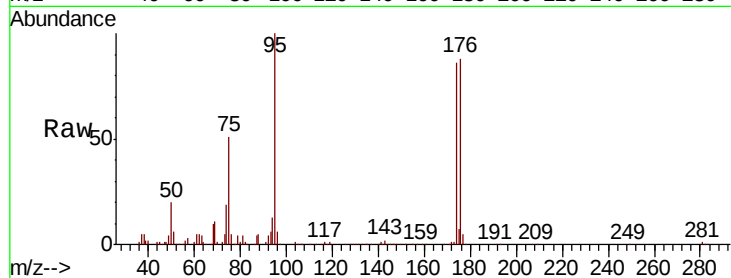
Tot Ion: 75 Resp: 171002

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.4#

89 0.1 36.2 54.4#



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

