

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064643.D
 Acq On : 27 Dec 2019 14:25
 Operator : VA/SY
 Sample : K6431-03RE
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4-(0-2)

Quant Time: Dec 30 00:58:32 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

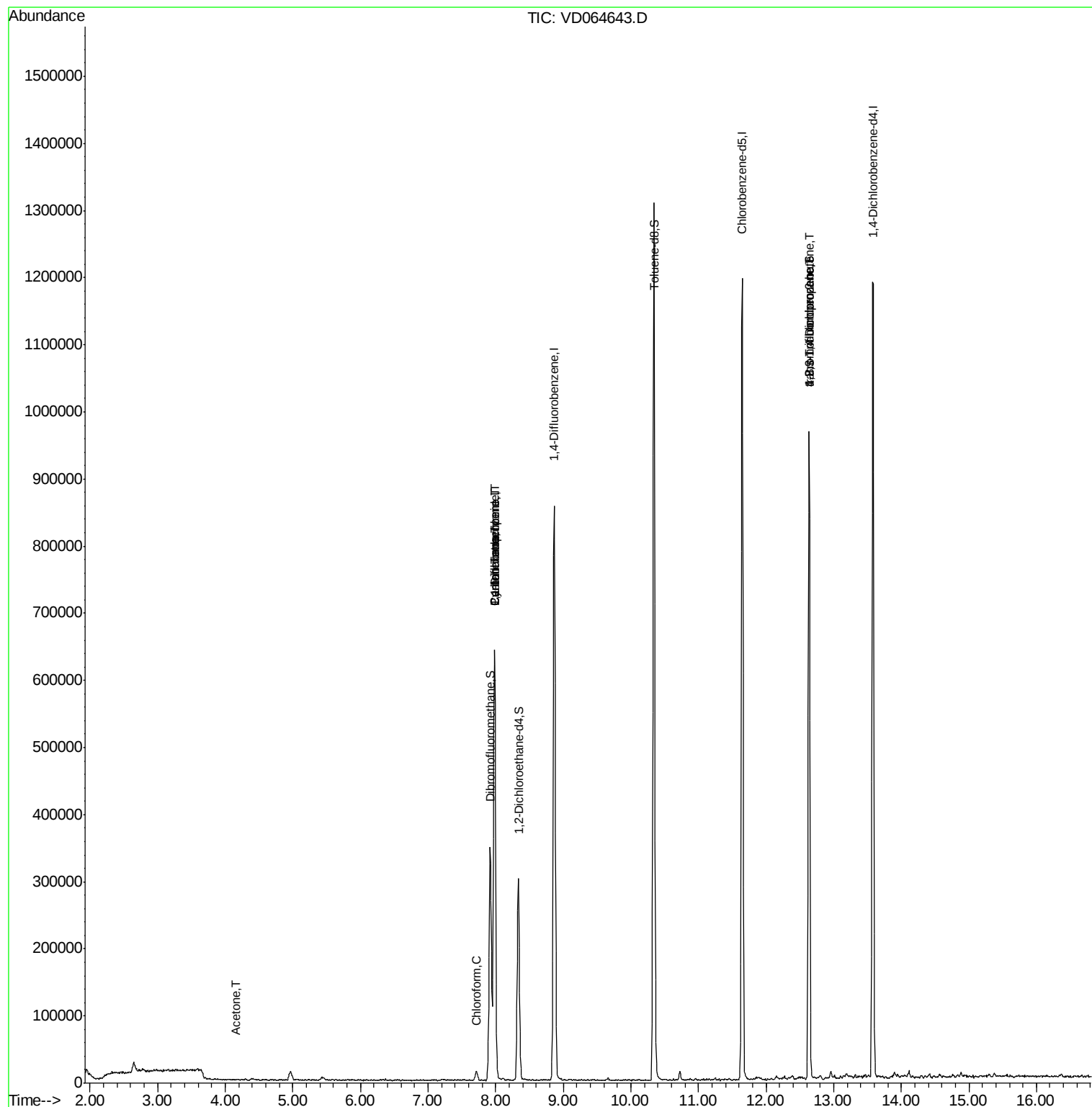
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	506988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	761826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	676617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	326239	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	246390	55.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.22%	
35) Dibromofluoromethane	7.92	113	240225	51.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.80%	
50) Toluene-d8	10.34	98	900943	50.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.64	95	290549	51.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.66%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	567	4.723	ug/l #	42
20) Methylene Chloride	4.97	84	9264	Below Cal		90
30) Chloroform	7.71	83	12498	1.431	ug/l	96
31) Cyclohexane	7.99	56	10026	1.203	ug/l #	20
36) 1,1-Dichloropropene	7.98	75	35886	4.894	ug/l #	50
38) Carbon Tetrachloride	7.98	117	47656	6.095	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	155057	60.189	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	155057	125.883	ug/l #	10

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

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SB-4-(0-2)

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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: VD064643.D

Acq: 27 Dec 2019 14:25

Instrument :

MSVOA_D

ClientSampleId :

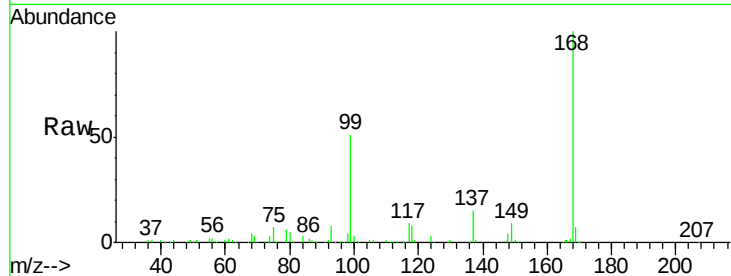
SB-4-(0-2)

Tgt Ion:168 Resp: 506988

Ion Ratio Lower Upper

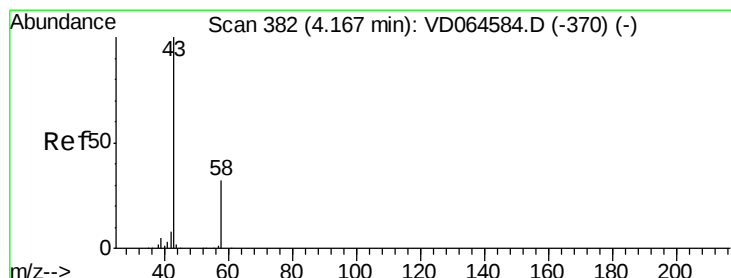
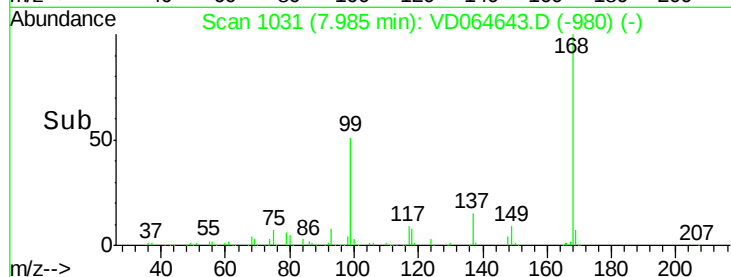
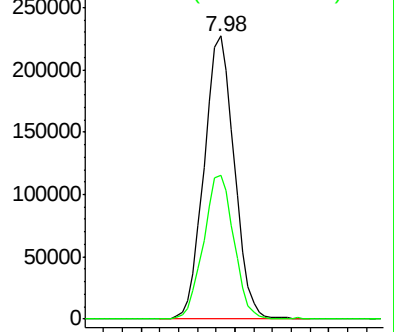
168 100

99 51.0 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: 4.723 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064643.D

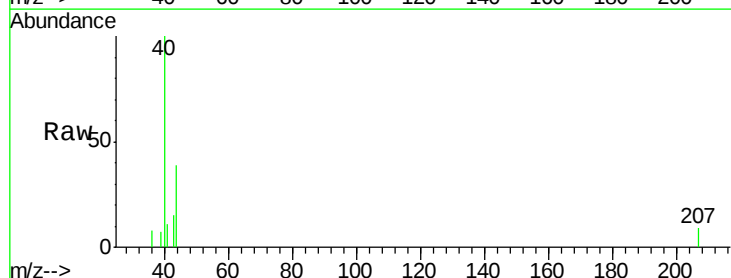
Acq: 27 Dec 2019 14:25

Tgt Ion: 43 Resp: 567

Ion Ratio Lower Upper

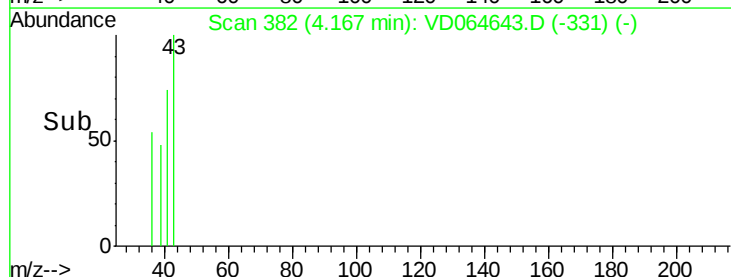
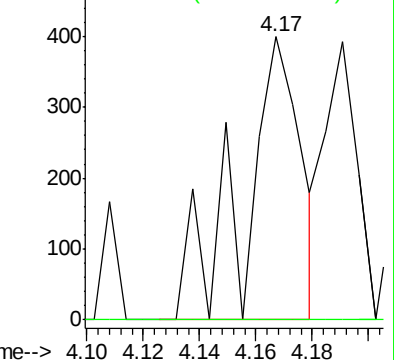
43 100

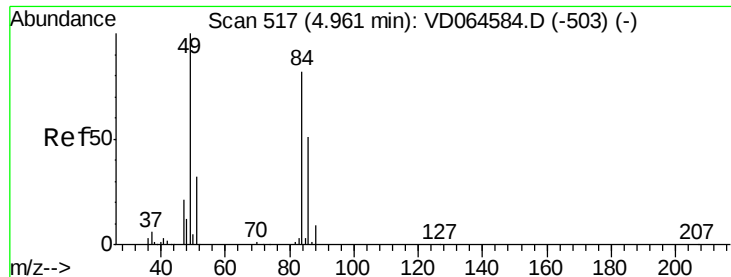
58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

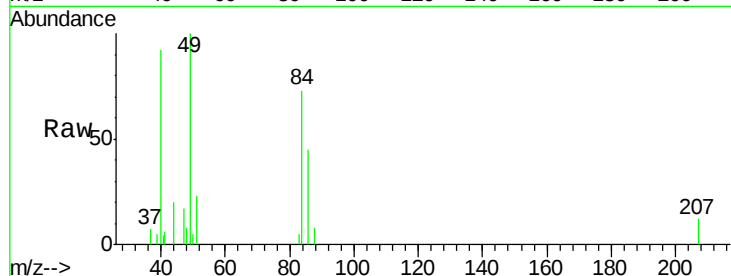




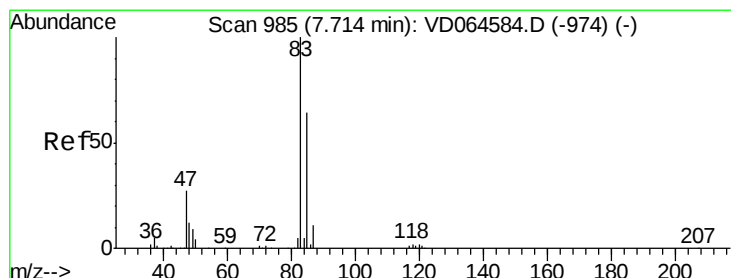
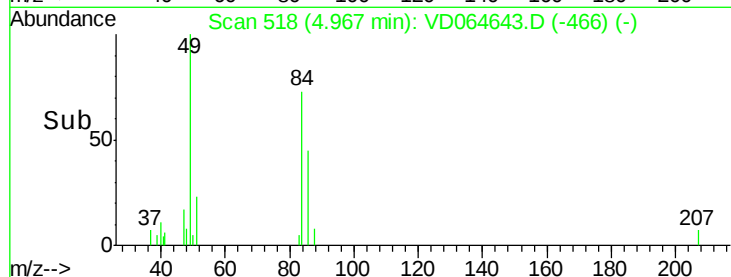
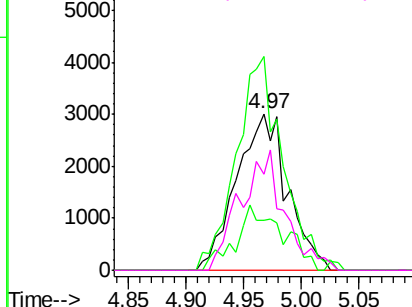
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064643.D
Acq: 27 Dec 2019 14:25

Instrument :
MSVOA_D
ClientSampleId :
SB-4-(0-2)

Tgt Ion: 84 Resp: 9264
Ion Ratio Lower Upper
84 100
49 136.6 97.2 145.8
51 31.6 31.4 47.0
86 61.8 49.3 73.9

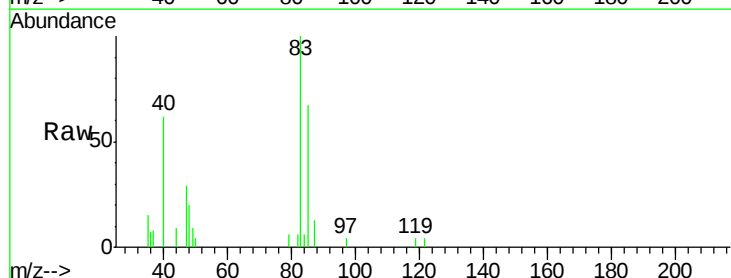


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

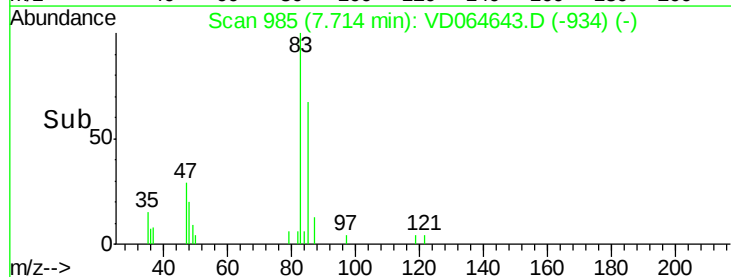
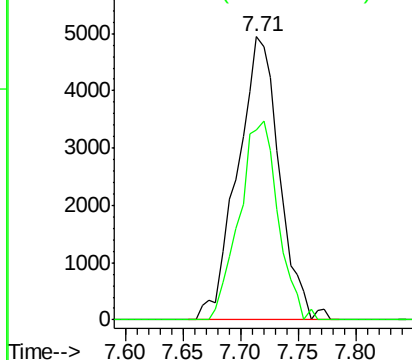


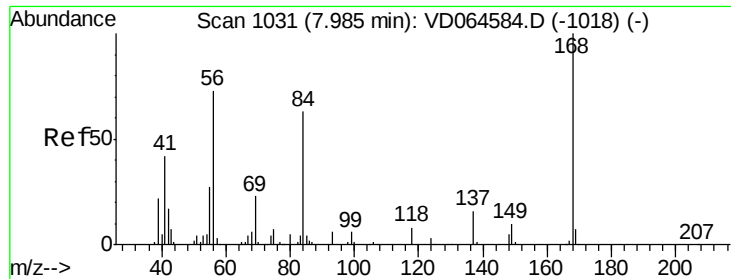
#30
Chloroform
Concen: 1.431 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064643.D
Acq: 27 Dec 2019 14:25

Tgt Ion: 83 Resp: 12498
Ion Ratio Lower Upper
83 100
85 67.0 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

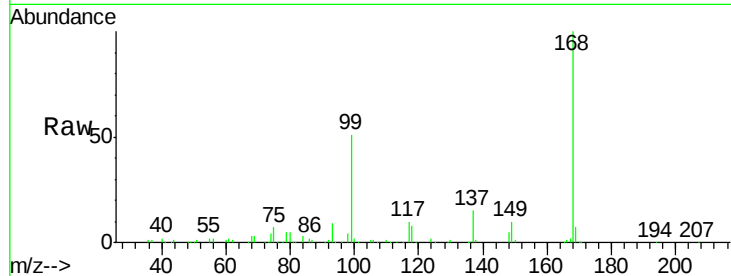




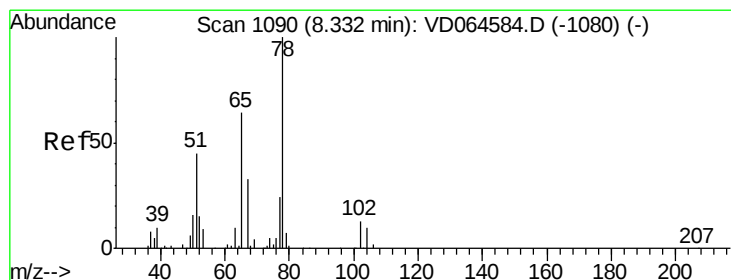
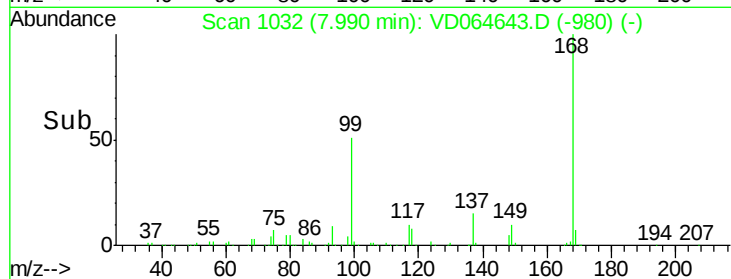
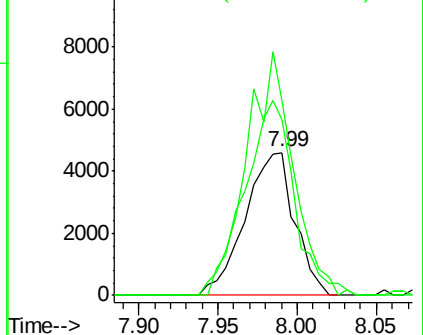
#31
Cyclohexane
Concen: 1.203 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064643.D
Acq: 27 Dec 2019 14:25

Instrument :
MSVOA_D
ClientSampleId :
SB-4-(0-2)

Tgt Ion: 56 Resp: 10026
Ion Ratio Lower Upper
56 100
69 136.5 24.7 37.1#
84 123.5 69.4 104.2#

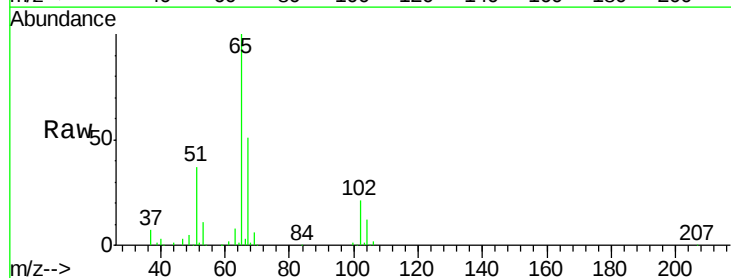


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

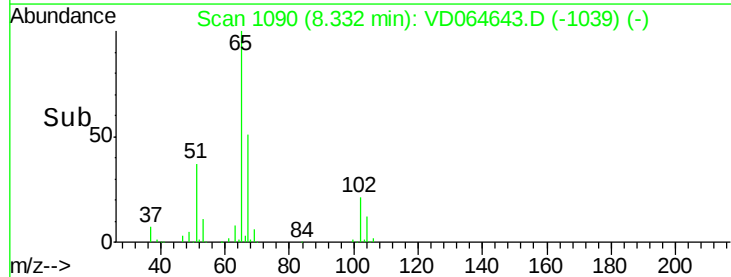
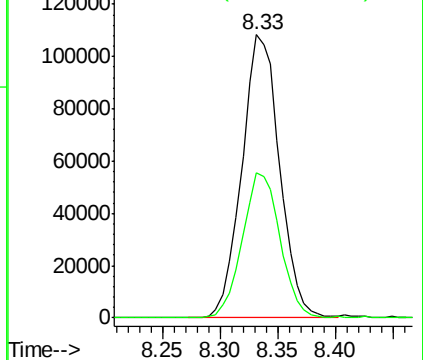


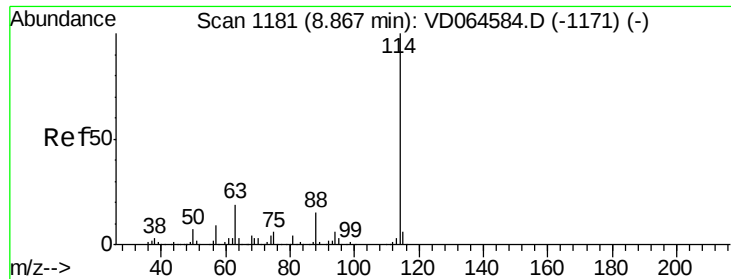
#33
1,2-Dichloroethane-d4
Concen: 55.114 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD064643.D
Acq: 27 Dec 2019 14:25

Tgt Ion: 65 Resp: 246390
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

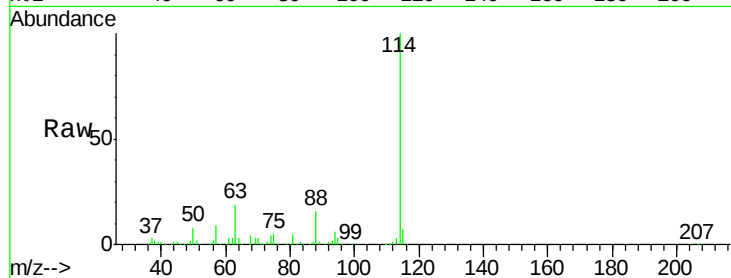




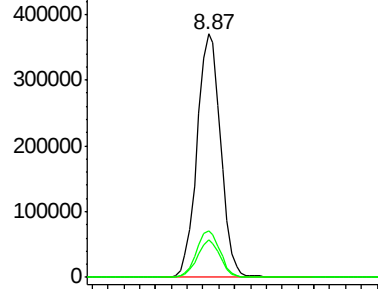
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064643.D
 Acq: 27 Dec 2019 14:25

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4-(0-2)

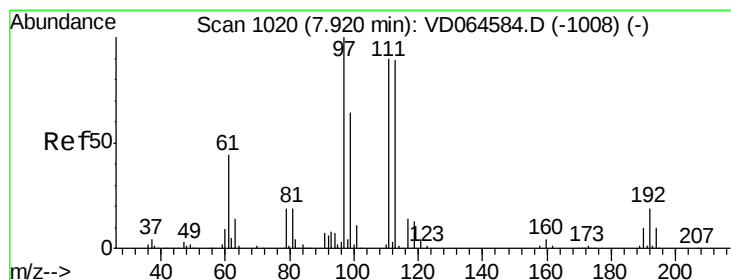
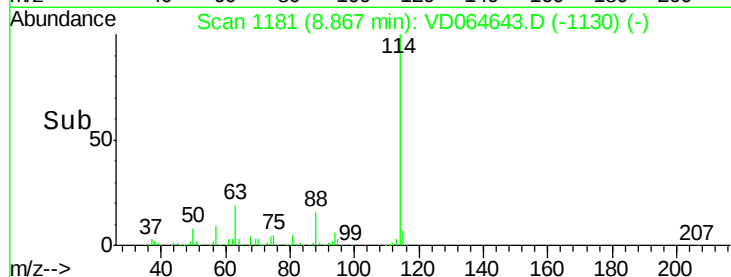
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.0
88	15.5	0.0	29.2



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

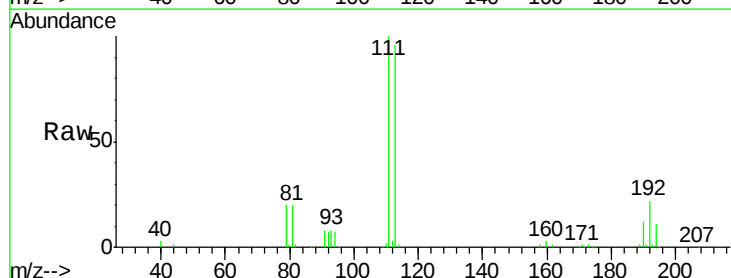


Time-->

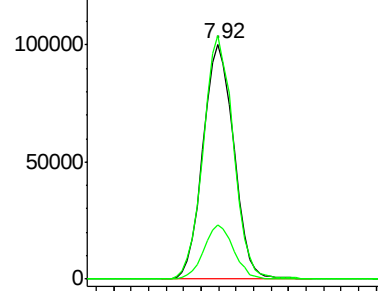


#35
 Dibromofluoromethane
 Concen: 51.397 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064643.D
 Acq: 27 Dec 2019 14:25

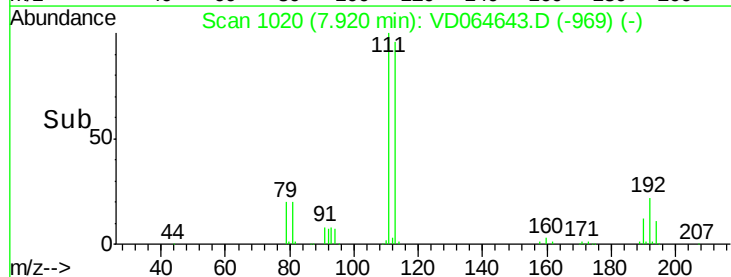
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	80.6	121.0
192	22.3	17.9	26.9

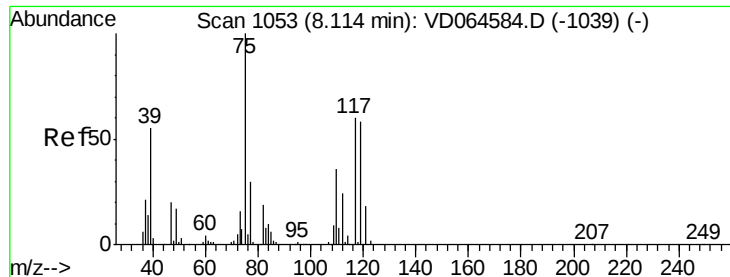


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->





#36

1,1-Dichloropropene

Concen: 4.894 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064643.D

Acq: 27 Dec 2019 14:25

Instrument :

MSVOA_D

ClientSampleId :

SB-4-(0-2)

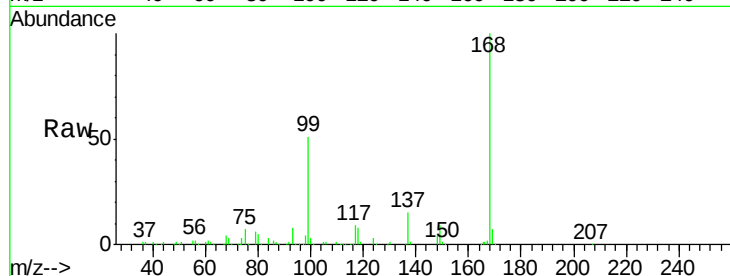
Tgt Ion: 75 Resp: 35886

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.1#

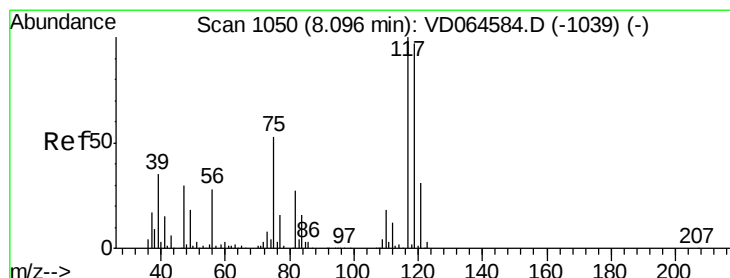
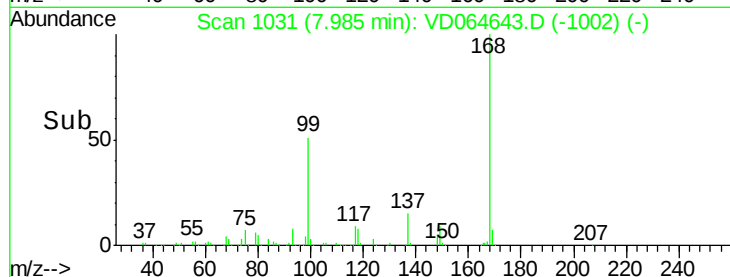
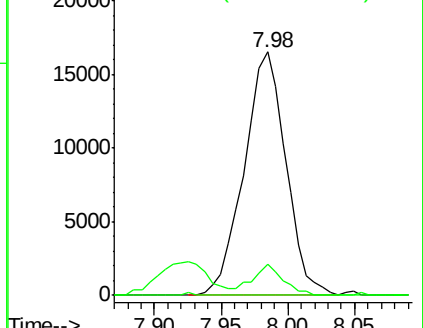
77 0.0 24.2 36.4#



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: 6.095 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064643.D

Acq: 27 Dec 2019 14:25

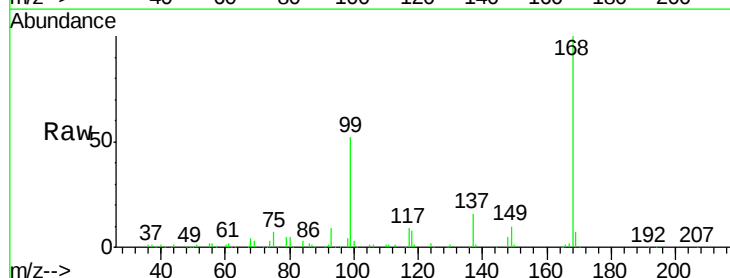
Tgt Ion: 117 Resp: 47656

Ion Ratio Lower Upper

117 100

119 5.4 77.3 115.9#

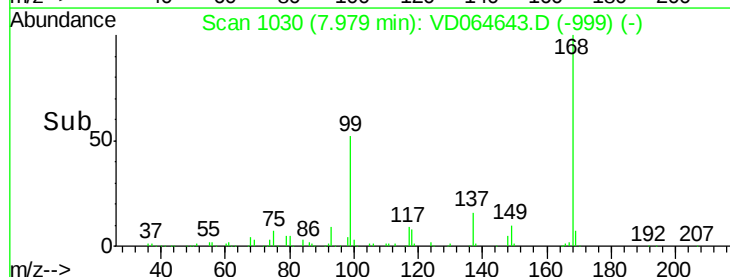
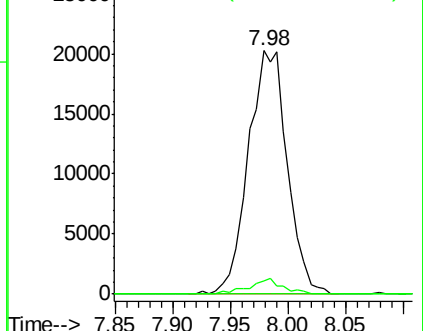
121 0.0 25.0 37.6#

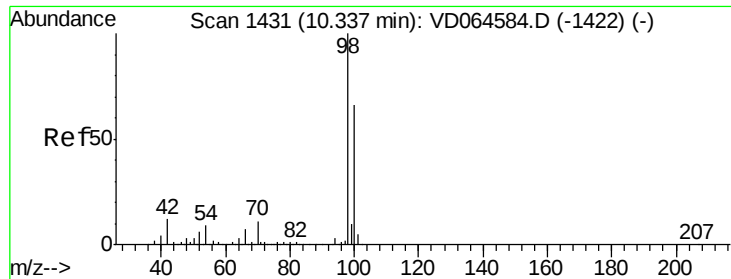


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

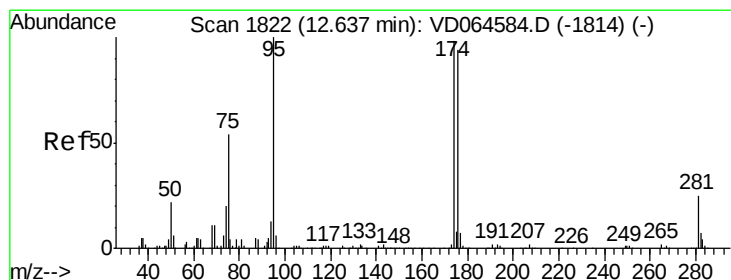
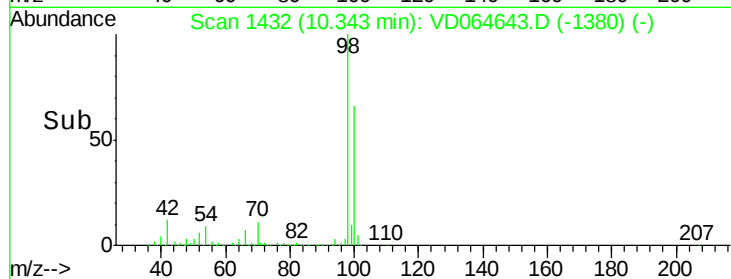
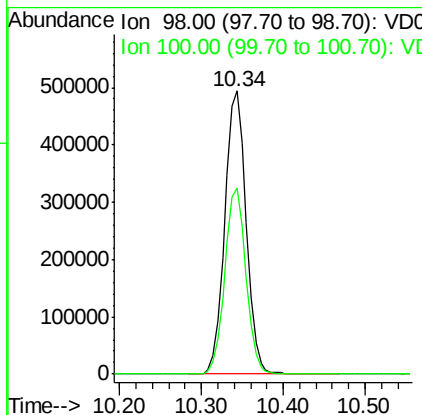
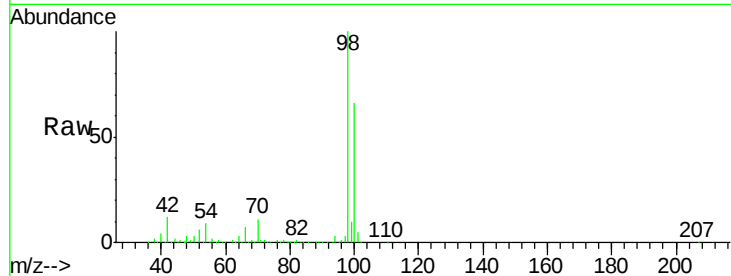




#50
Toluene-d8
Concen: 50.330 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064643.D
Acq: 27 Dec 2019 14:25

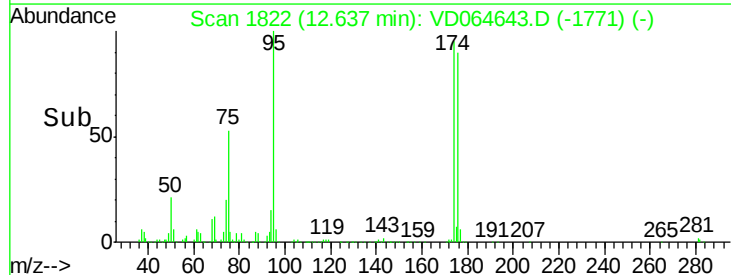
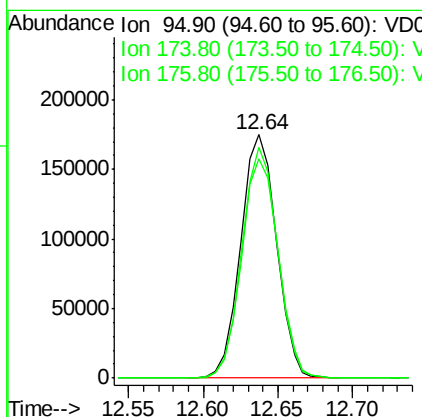
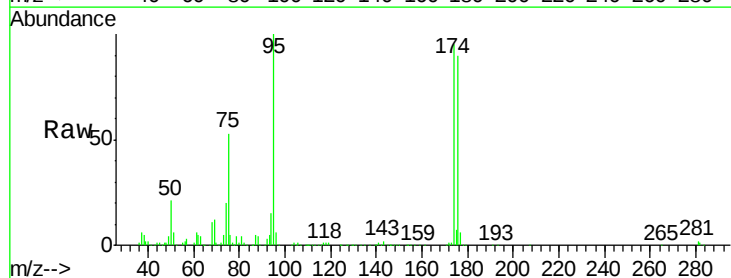
Instrument :
MSVOA_D
ClientSampled :
SB-4-(0-2)

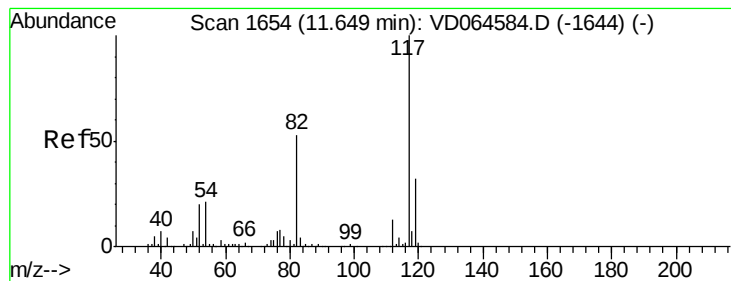
Tgt Ion: 98 Resp: 900943
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 51.330 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064643.D
Acq: 27 Dec 2019 14:25

Tgt Ion: 95 Resp: 290549
Ion Ratio Lower Upper
95 100
174 95.1 0.0 193.2
176 92.0 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: VD064643.D

Acq: 27 Dec 2019 14:25

Instrument :

MSVOA_D

ClientSampleId :

SB-4-(0-2)

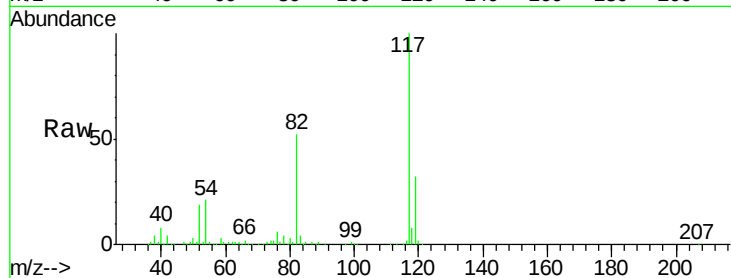
Tgt Ion:117 Resp: 676617

Ion Ratio Lower Upper

117 100

82 52.0 42.2 63.4

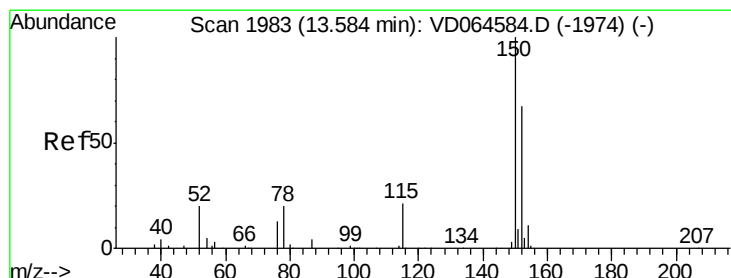
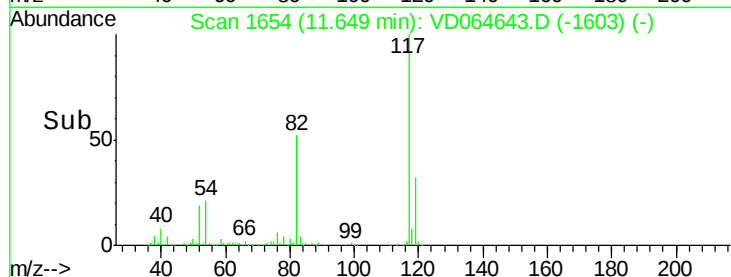
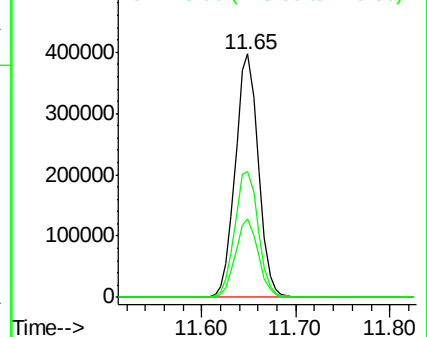
119 32.1 26.0 39.0



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: VD064643.D

Acq: 27 Dec 2019 14:25

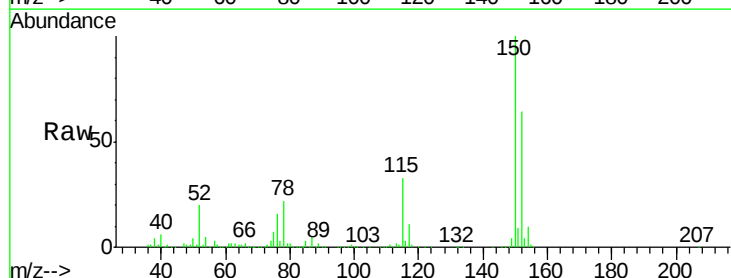
Tgt Ion:152 Resp: 326239

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.4

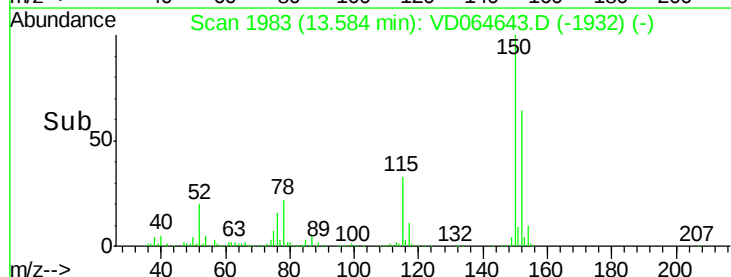
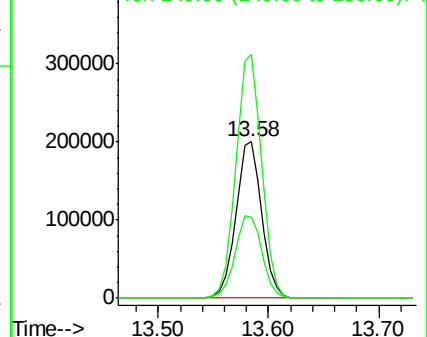
150 156.6 0.0 351.4

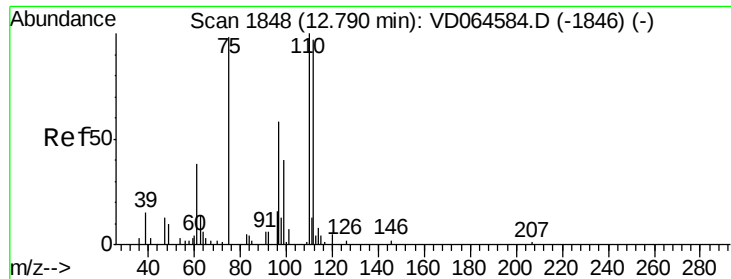


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 60.189 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064643.D

Acq: 27 Dec 2019 14:25

Instrument :

MSVOA_D

ClientSampleId :

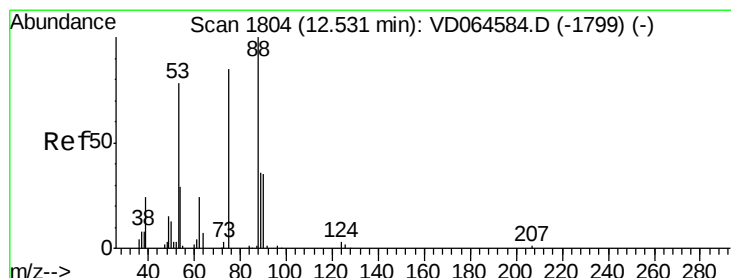
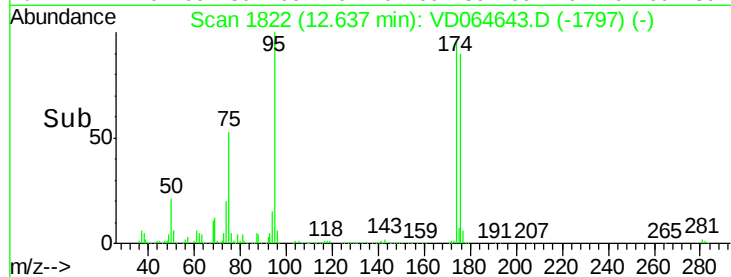
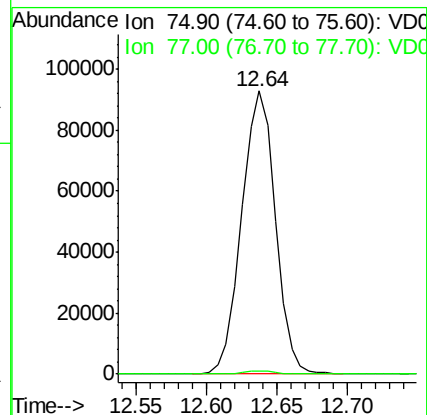
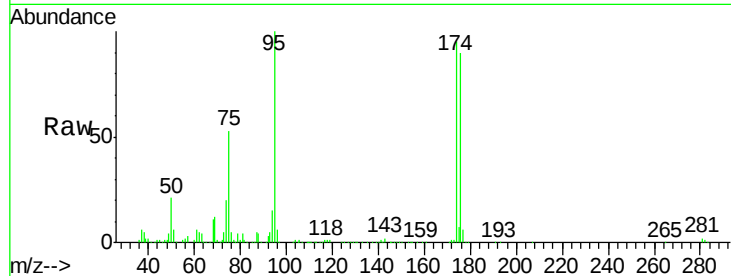
SB-4-(0-2)

Tgt Ion: 75 Resp: 155057

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 125.883 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064643.D

Acq: 27 Dec 2019 14:25

Tgt Ion: 75 Resp: 155057

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 38.3 57.5#

