

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064563.D
 Acq On : 23 Dec 2019 12:43
 Operator : VA/SY
 Sample : K6396-01
 Misc : 5.32G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1-(0-2)

Quant Time: Dec 24 05:53:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

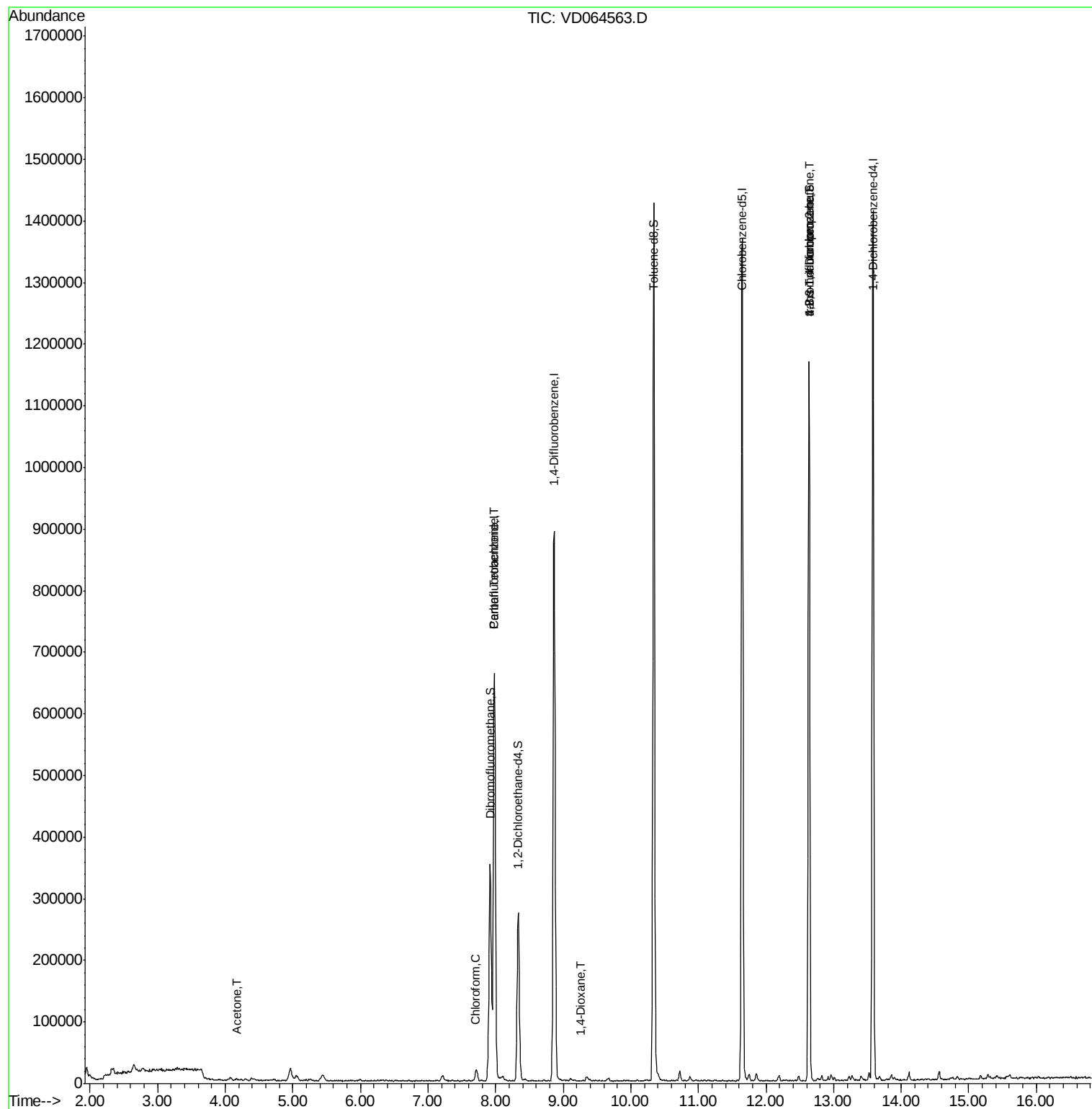
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	528059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	799184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	787574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	388775	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	220220	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
35) Dibromofluoromethane	7.92	113	239006	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
50) Toluene-d8	10.34	98	962569	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.64	95	347847	57.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.14%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	2898	3.000	ug/l #	82
20) Methylene Chloride	4.96	84	15064	Below Cal	#	80
30) Chloroform	7.71	83	17279	1.892	ug/l	94
31) Cyclohexane	7.98	56	12816	Below Cal	#	30
38) Carbon Tetrachloride	7.98	117	46313	5.805	ug/l #	14
49) 1,4-Dioxane	9.27	88	63	1.800	ug/l #	25
76) 1,2,3-Trichloropropane	12.64	75	178831	55.934	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	178831	121.966	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.56	75	59	Below Cal	#	1

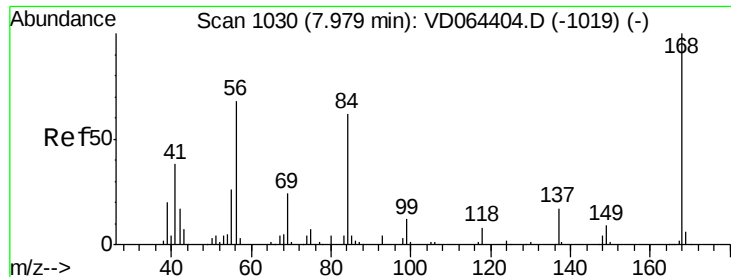
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-1-(0-2)

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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064563.D

Acq: 23 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

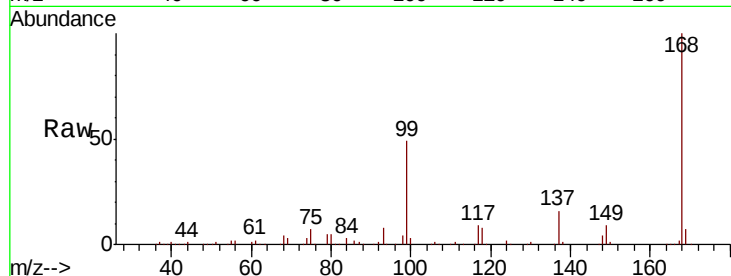
SB-1-(0-2)

Tot Ion:168 Resp: 528059

Ion Ratio Lower Upper

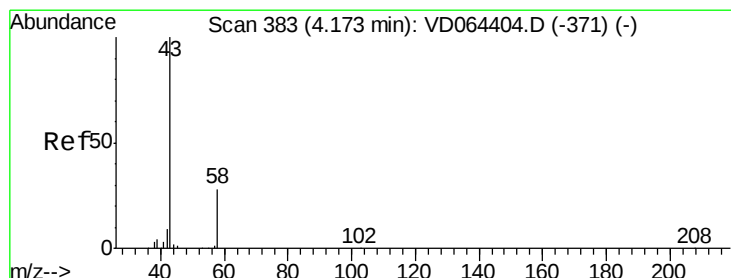
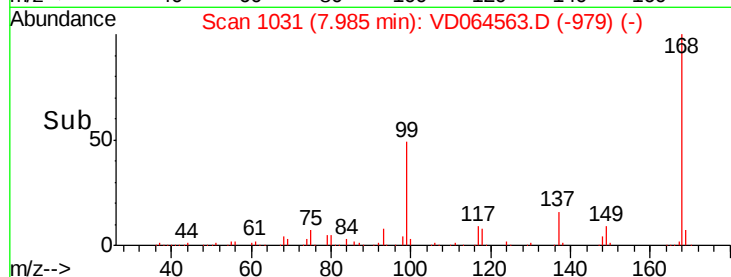
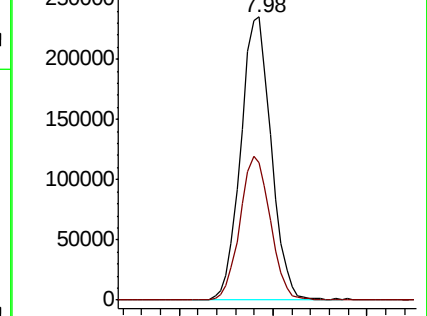
168 100

99 48.5 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 3.000 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064563.D

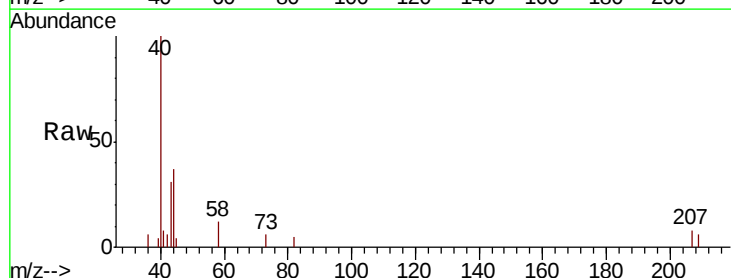
Acq: 23 Dec 2019 12:43

Tgt Ion: 43 Resp: 2898

Ion Ratio Lower Upper

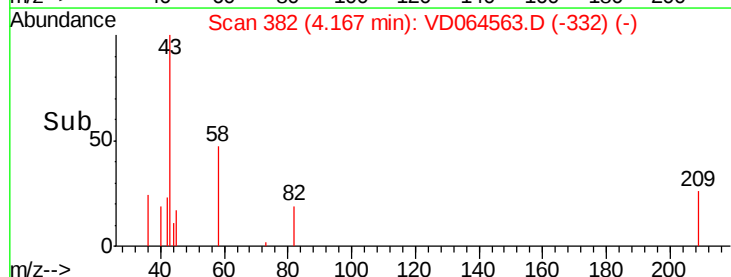
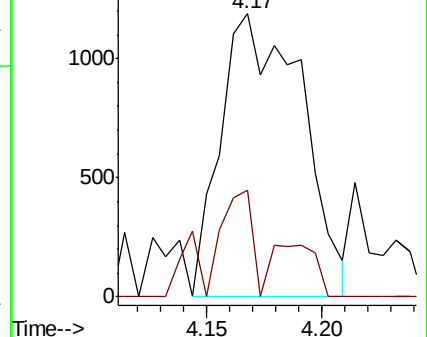
43 100

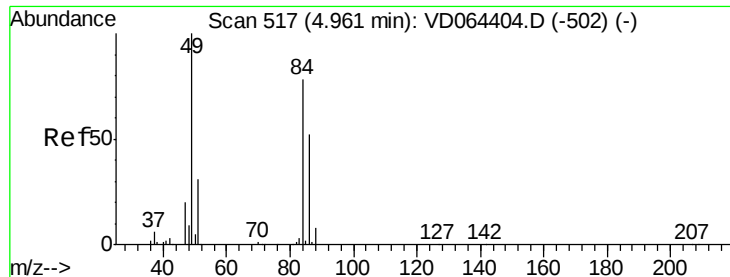
58 37.5 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

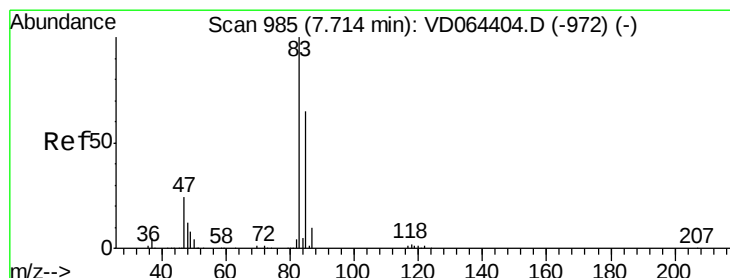
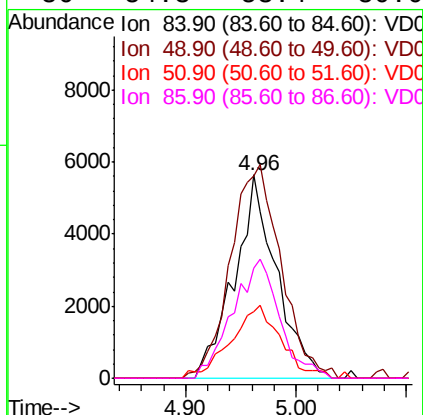
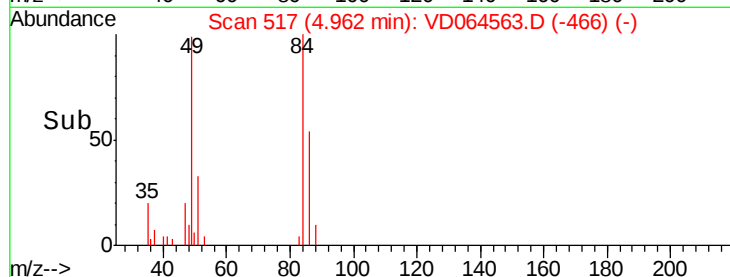
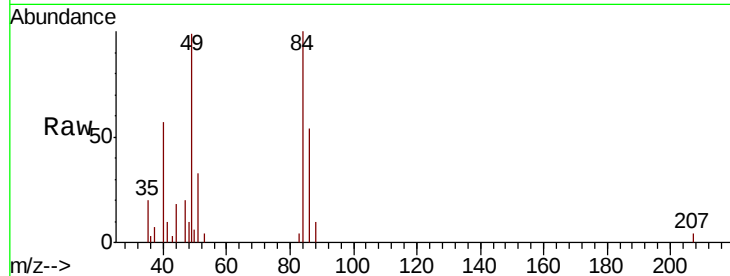




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064563.D
Acq: 23 Dec 2019 12:43

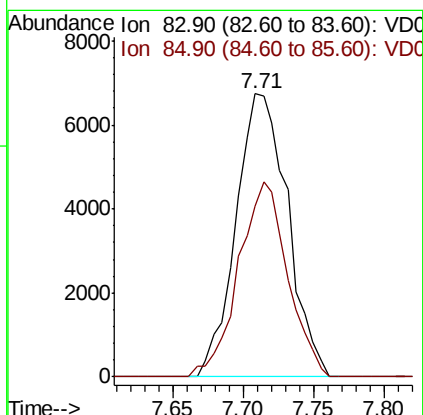
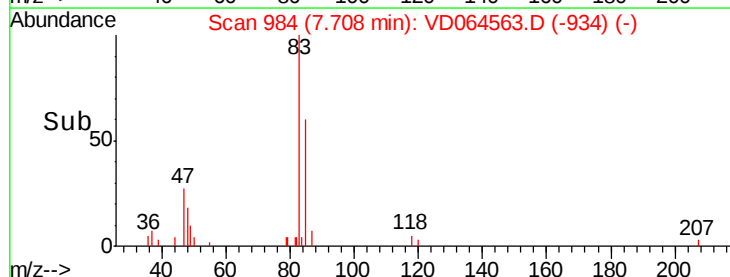
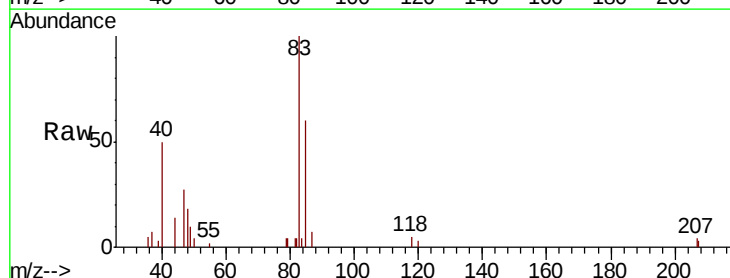
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(0-2)

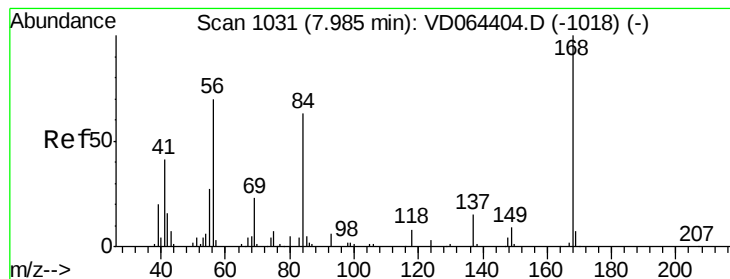
Tot Ion: 84 Resp: 15064
Ion Ratio Lower Upper
84 100
49 99.5 102.6 153.8#
51 32.8 32.0 48.0
86 54.3 53.4 80.0



#30
Chloroform
Concen: 1.892 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064563.D
Acq: 23 Dec 2019 12:43

Tgt Ion: 83 Resp: 17279
Ion Ratio Lower Upper
83 100
85 60.3 51.8 77.6





#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064563.D

Acq: 23 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

SB-1-(0-2)

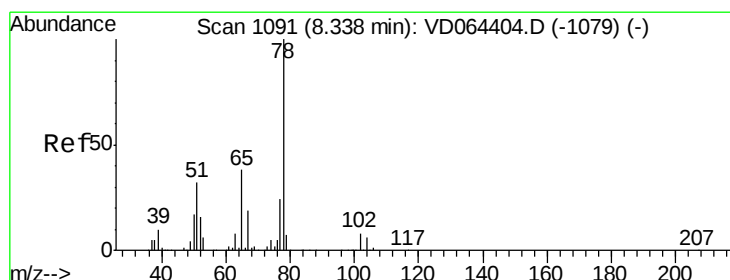
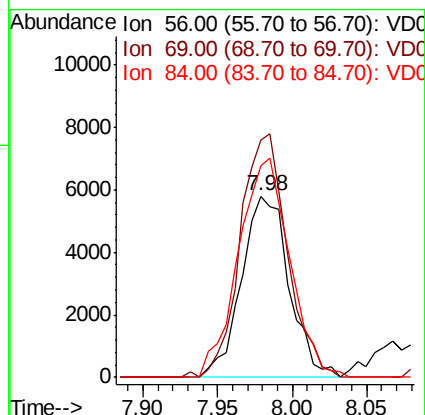
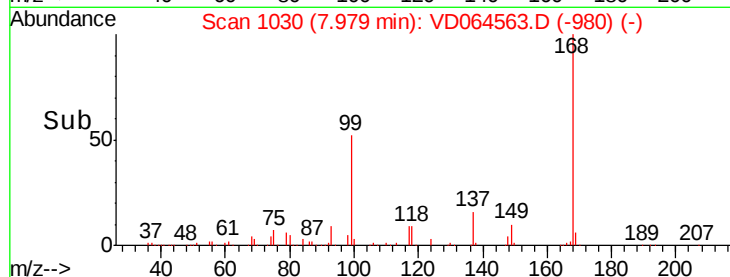
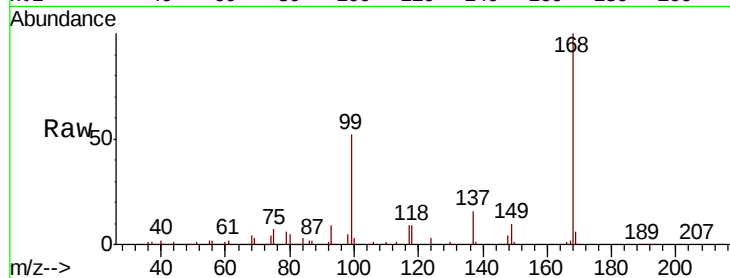
Tot Ion: 56 Resp: 12816

Ion Ratio Lower Upper

56 100

69 131.3 26.2 39.4#

84 117.0 70.3 105.5#



#33

1,2-Dichloroethane-d4

Concen: 46.074 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064563.D

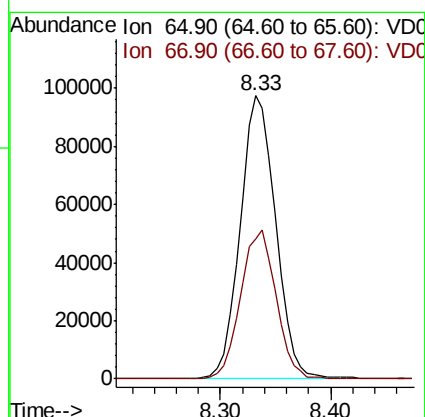
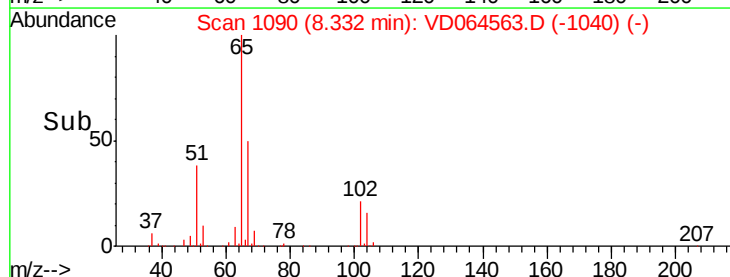
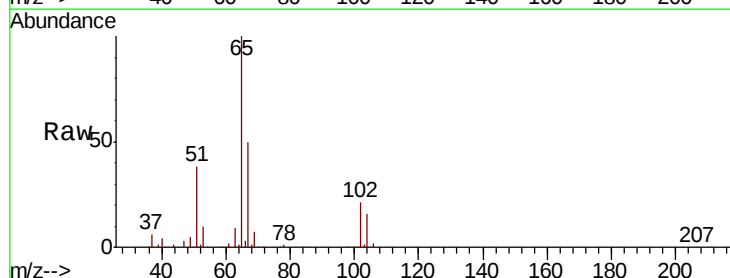
Acq: 23 Dec 2019 12:43

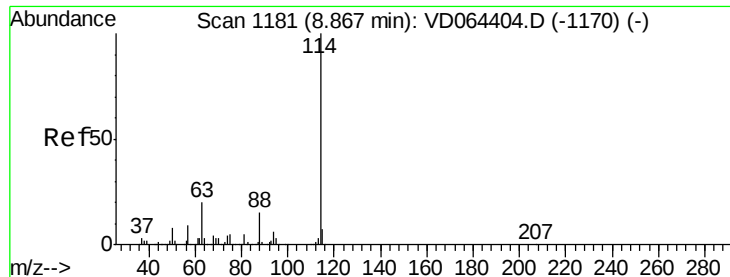
Tgt Ion: 65 Resp: 220220

Ion Ratio Lower Upper

65 100

67 52.7 0.0 102.0

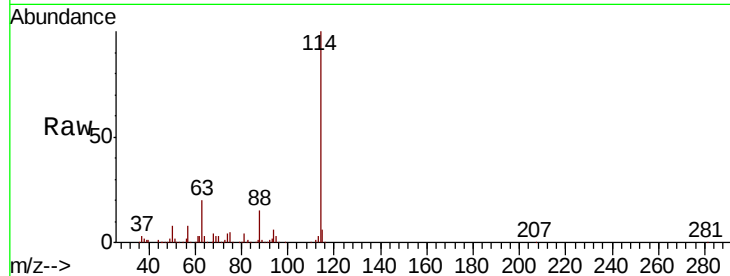




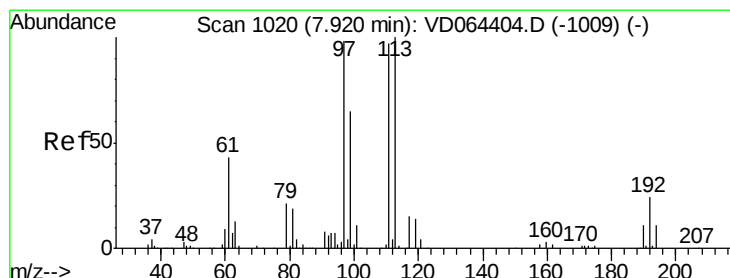
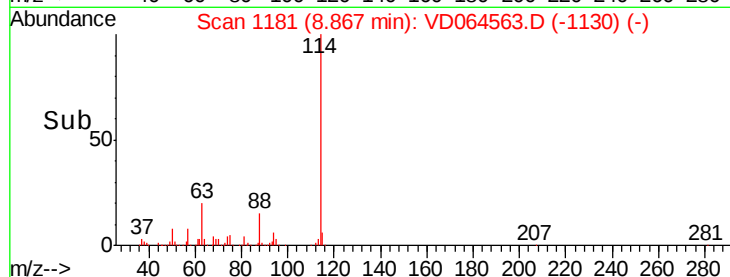
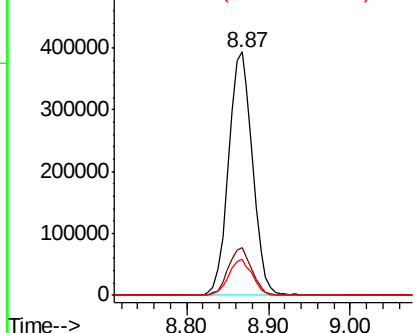
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064563.D
 Acq: 23 Dec 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1-(0-2)

Tot Ion:114 Resp: 799184
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 14.7 0.0 29.2

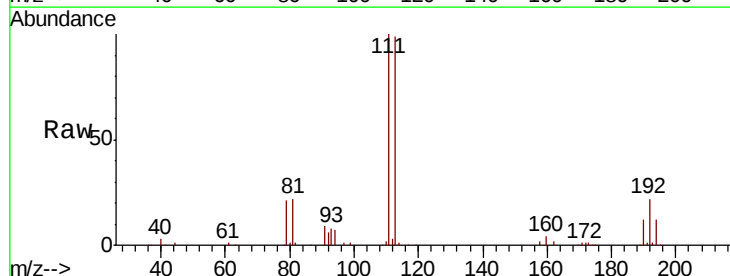


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

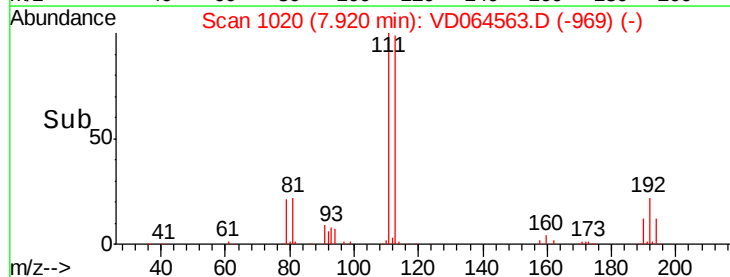
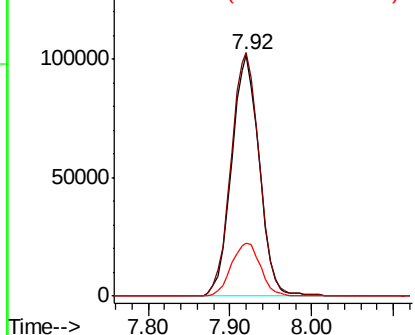


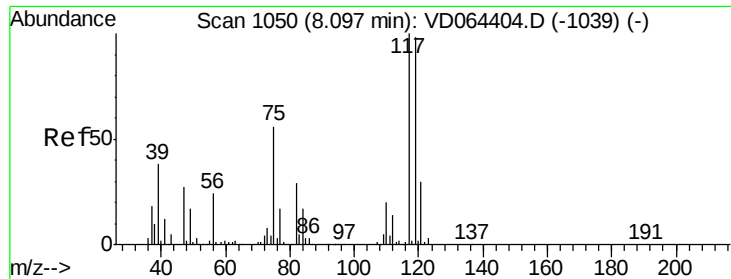
#35
 Dibromofluoromethane
 Concen: 47.466 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064563.D
 Acq: 23 Dec 2019 12:43

Tgt Ion:113 Resp: 239006
 Ion Ratio Lower Upper
 113 100
 111 103.5 79.4 119.2
 192 23.0 18.6 28.0



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





#38

Carbon Tetrachloride

Concen: 5.805 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064563.D

Acq: 23 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampled :

SB-1-(0-2)

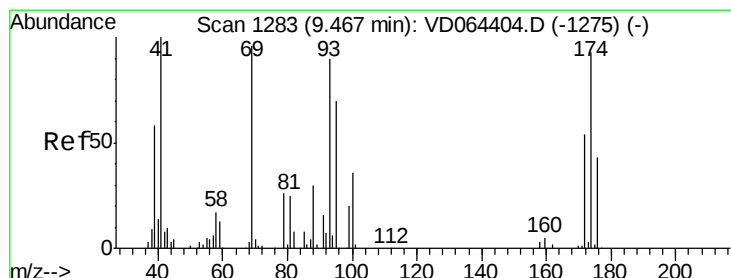
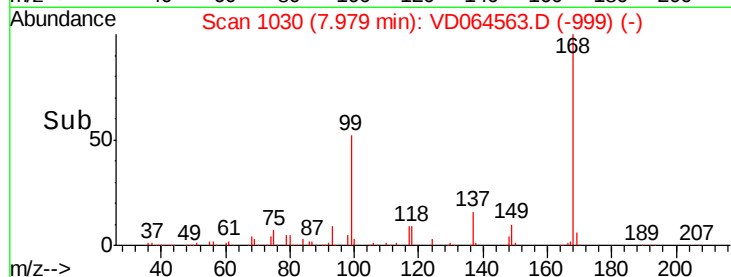
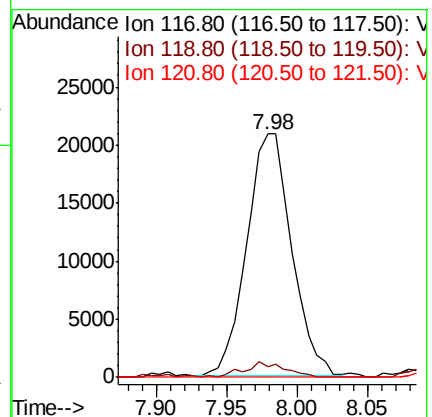
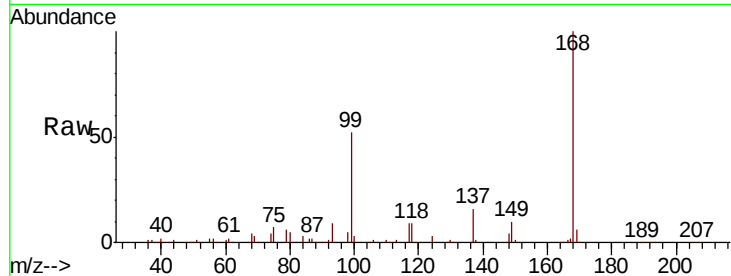
Tot Ion:117 Resp: 46313

Ion Ratio Lower Upper

117 100

119 4.5 78.8 118.2#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 1.800 ug/l

RT: 9.27 min Scan# 1249

Delta R.T. -0.20 min

Lab File: VD064563.D

Acq: 23 Dec 2019 12:43

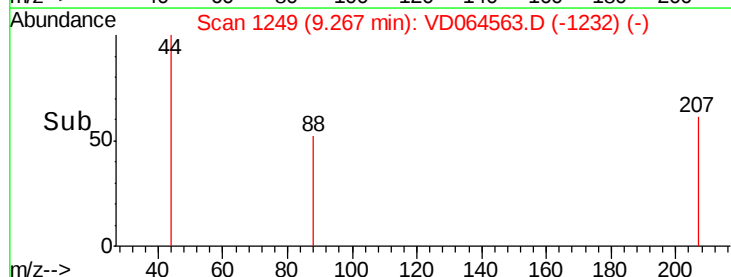
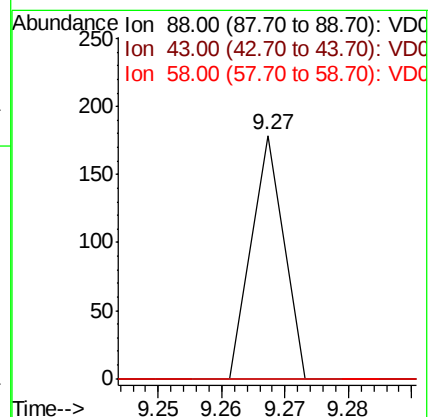
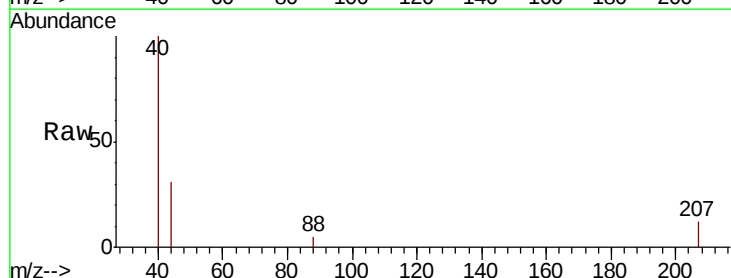
Tgt Ion: 88 Resp: 63

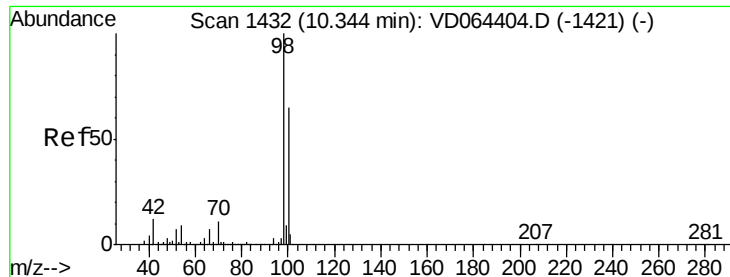
Ion Ratio Lower Upper

88 100

43 0.0 26.7 40.1#

58 0.0 52.3 78.5#





#50

Toluene-d8

Concen: 50.749 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064563.D

Acq: 23 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

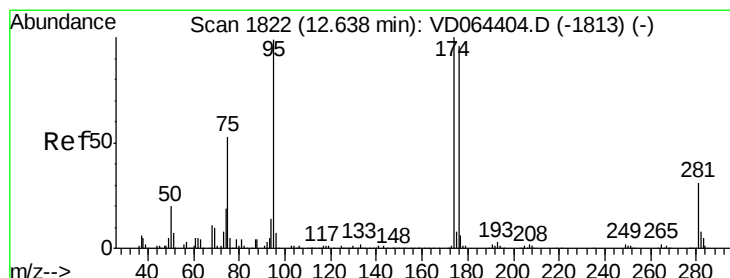
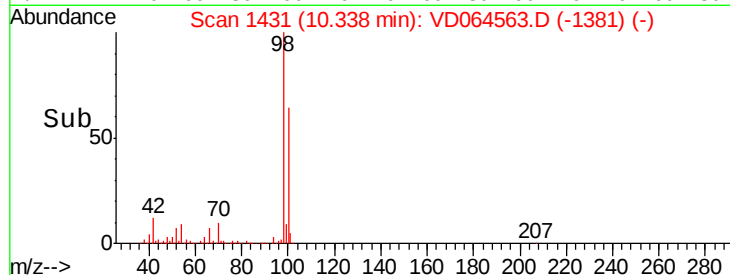
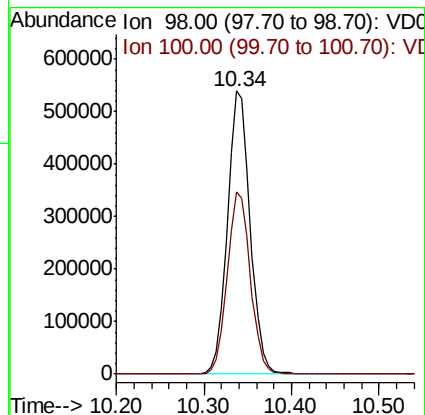
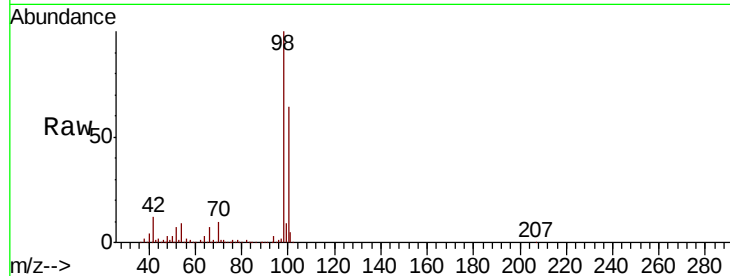
SB-1-(0-2)

Tot Ion: 98 Resp: 962569

Ion Ratio Lower Upper

98 100

100 65.6 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 57.066 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064563.D

Acq: 23 Dec 2019 12:43

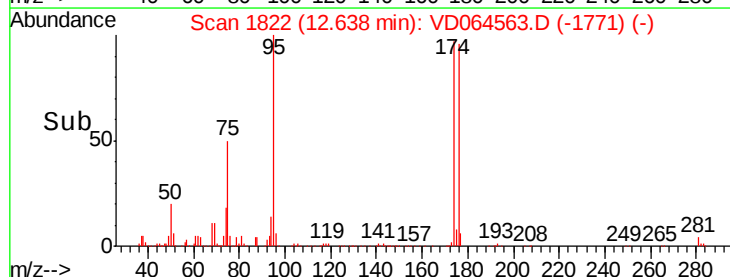
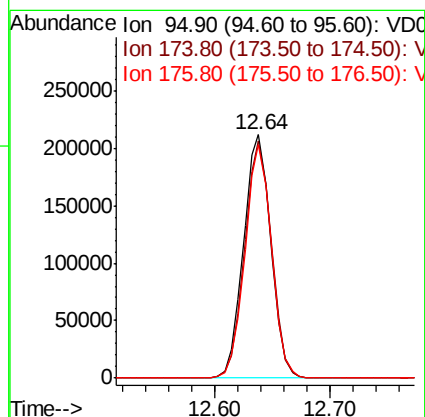
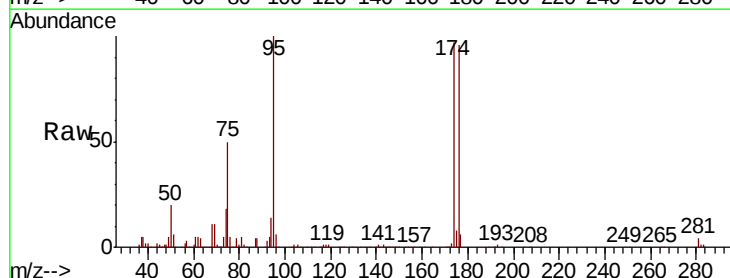
Tgt Ion: 95 Resp: 347847

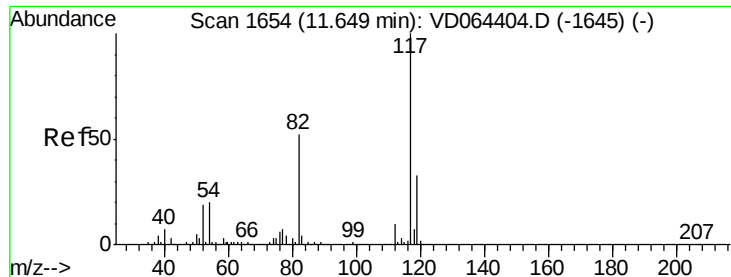
Ion Ratio Lower Upper

95 100

174 95.7 0.0 197.2

176 93.2 0.0 189.6

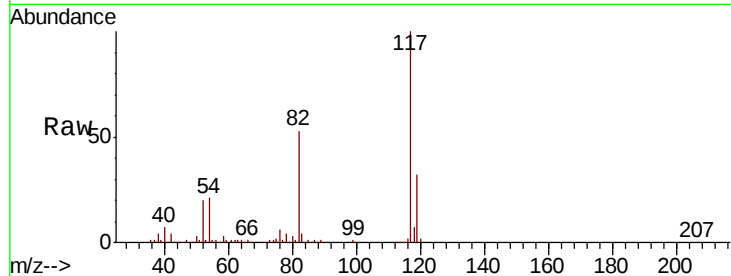




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064563.D
Acq: 23 Dec 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
SB-1-(0-2)

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.4	62.2
119	32.1	26.2	39.2

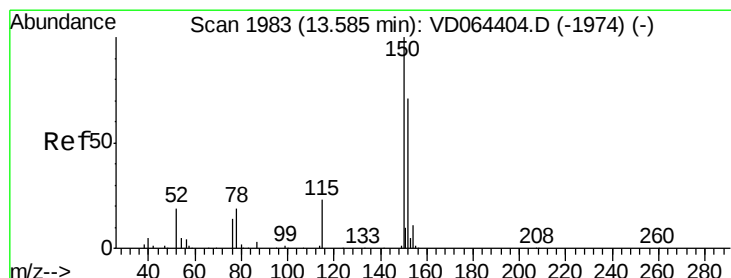
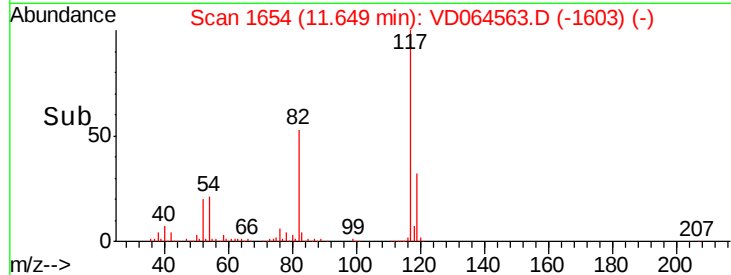
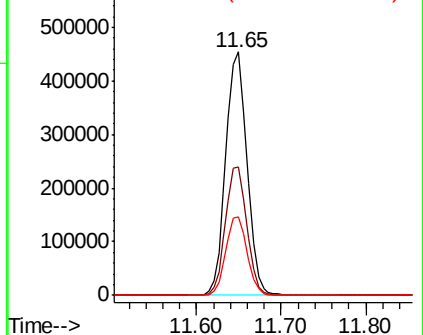


Abundance

Ion 116.90 (116.60 to 117.60): V

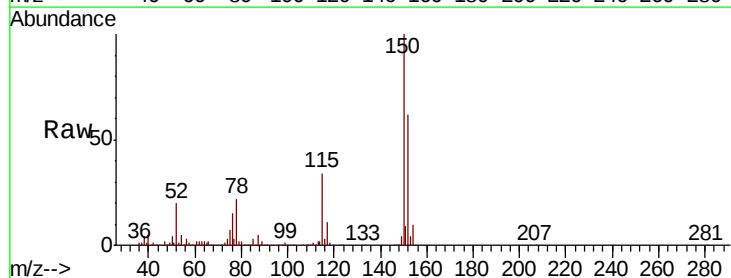
Ion 82.00 (81.70 to 82.70): V

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: VD064563.D
Acq: 23 Dec 2019 12:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	26.7	80.1
150	156.1	0.0	347.2

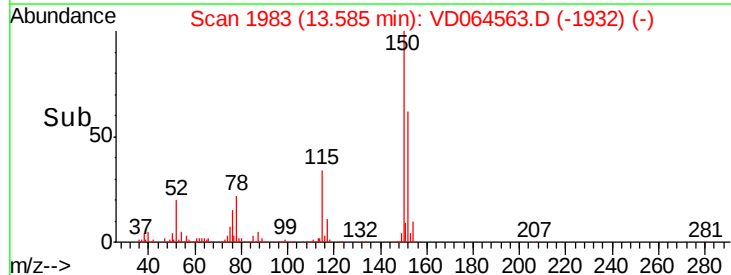
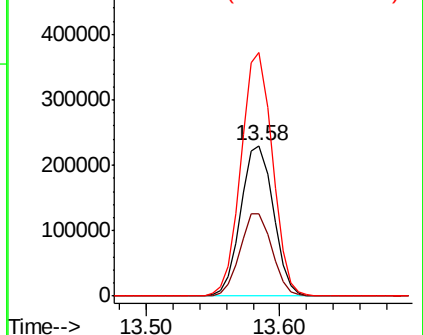


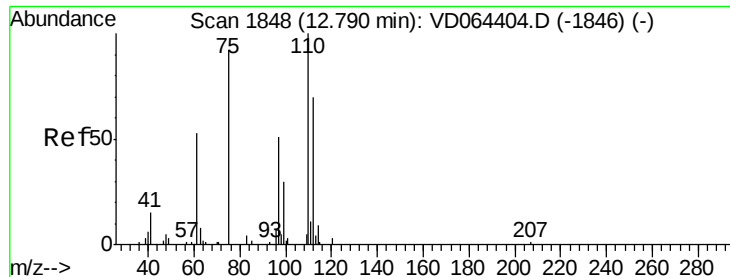
Abundance

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: 55.934 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064563.D

Acq: 23 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

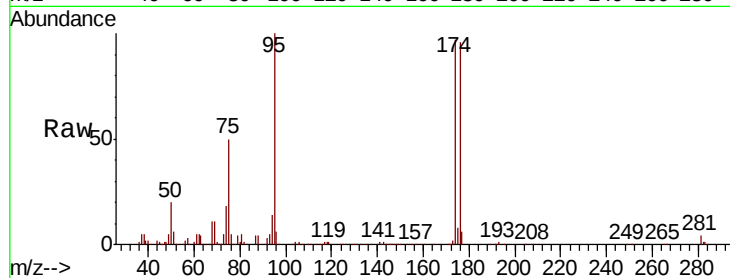
SB-1-(0-2)

Tot Ion: 75 Resp: 178831

Ion Ratio Lower Upper

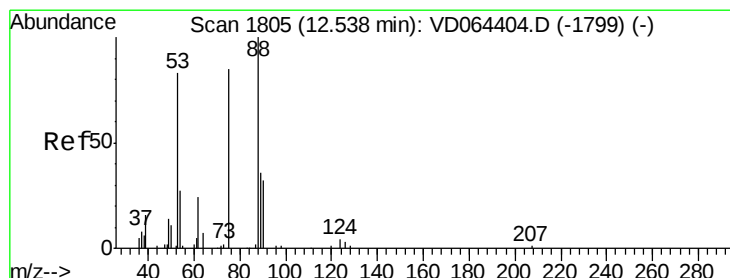
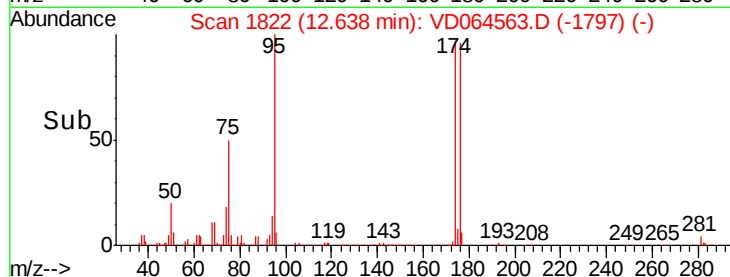
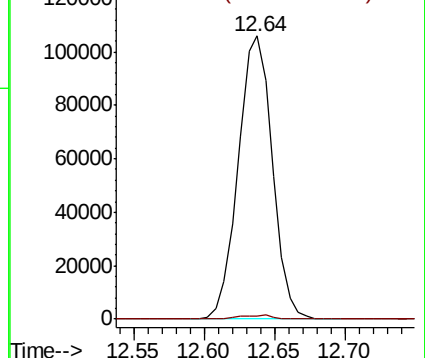
75 100

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: 121.966 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064563.D

Acq: 23 Dec 2019 12:43

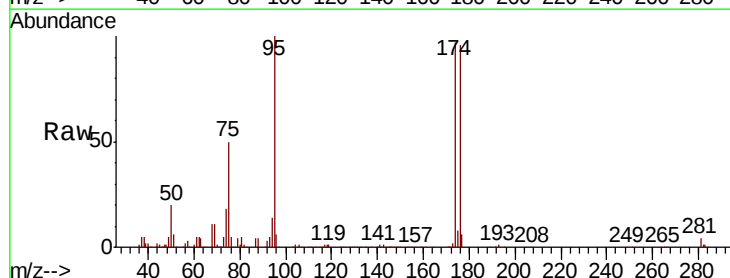
Tgt Ion: 75 Resp: 178831

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

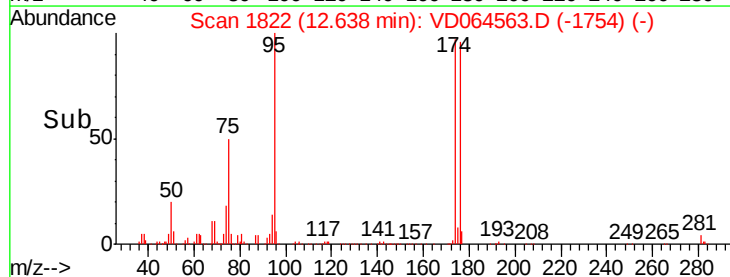
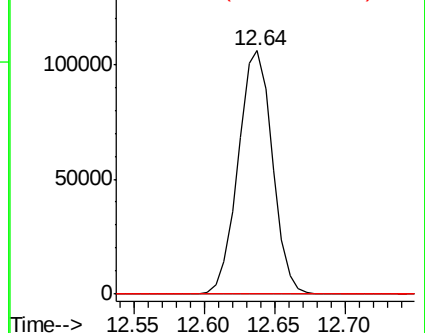
89 0.0 38.5 57.7#

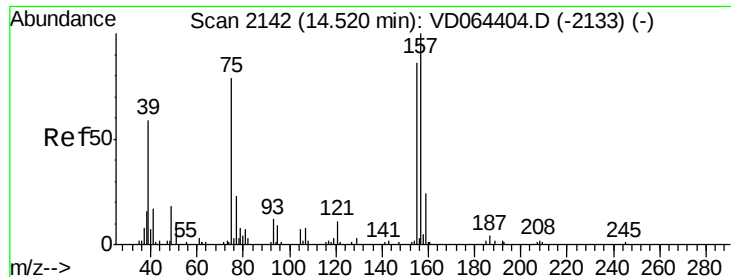


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.56 min Scan# 2149

Delta R.T. 0.04 min

Lab File: VD064563.D

Acq: 23 Dec 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

SB-1-(0-2)

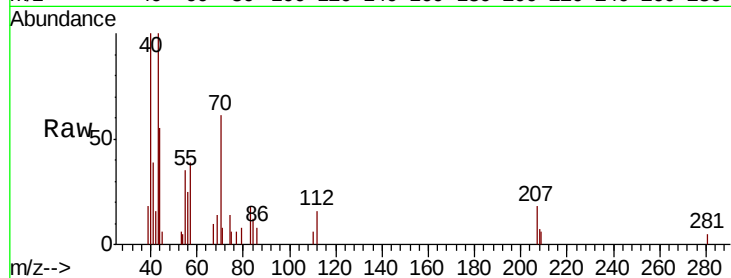
Tot Ion: 75 Resp: 59

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

157 0.0 63.2 189.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

