

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD123119\
 Data File : VD064704.D
 Acq On : 31 Dec 2019 19:36
 Operator : VA/SY
 Sample : K6465-03
 Misc : 5.82G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-10-(1-3)

Quant Time: Jan 01 00:48:15 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	479306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	740534	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	651420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310410	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	236819	56.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.06%	
35) Dibromofluoromethane	7.92	113	230938	50.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.66%	
50) Toluene-d8	10.34	98	886119	50.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.64	95	270965	49.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.50%	

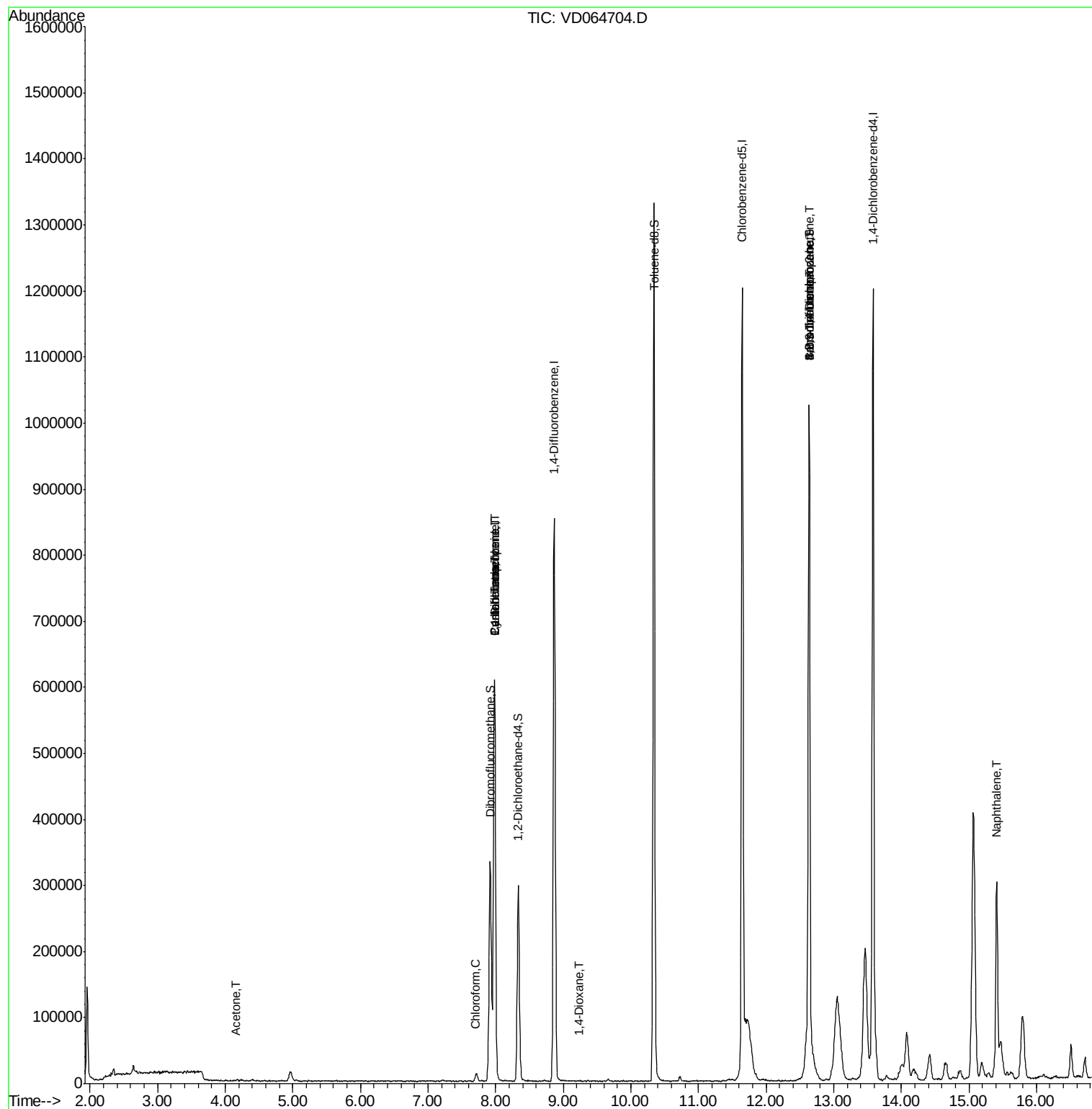
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	1542	5.716	ug/l #	57
20) Methylene Chloride	4.97	84	11150	Below Cal	#	83
30) Chloroform	7.71	83	11090	1.343	ug/l	100
31) Cyclohexane	7.98	56	9413	1.194	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	35224	4.942	ug/l #	51
38) Carbon Tetrachloride	7.98	117	44423	5.845	ug/l #	17
49) 1,4-Dioxane	9.23	88	54	1.808	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	151476	61.797	ug/l #	100
77) Bromobenzene	12.63	156	103962	19.074	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	151476	129.246	ug/l #	11
95) Naphthalene	15.41	128	279440	27.076	ug/l	98

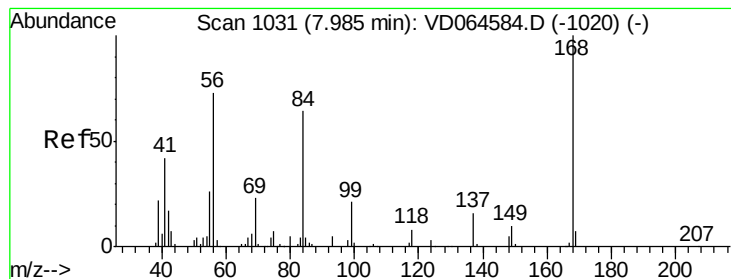
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064704.D

Acq: 31 Dec 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

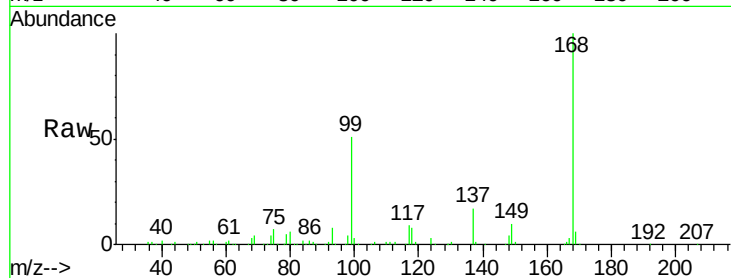
GP-10-(1-3)

Tgt Ion:168 Resp: 479306

Ion Ratio Lower Upper

168 100

99 51.4 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

250000

200000

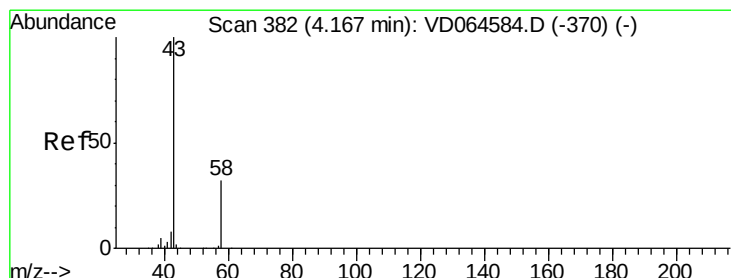
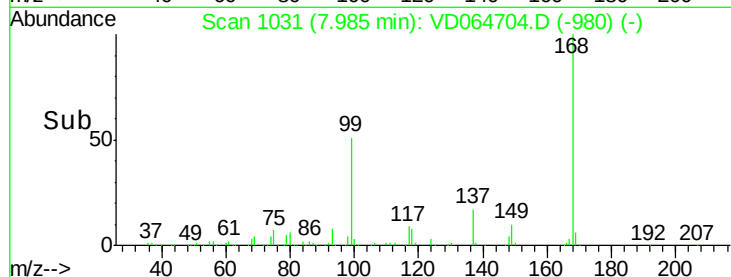
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.716 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064704.D

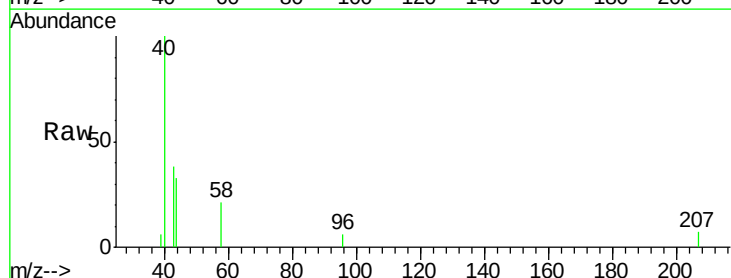
Acq: 31 Dec 2019 19:36

Tgt Ion: 43 Resp: 1542

Ion Ratio Lower Upper

43 100

58 56.3 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

1200

1000

800

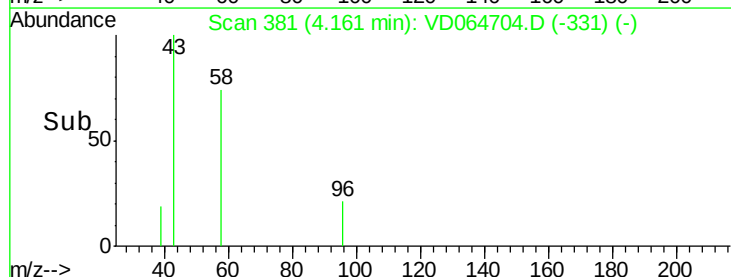
600

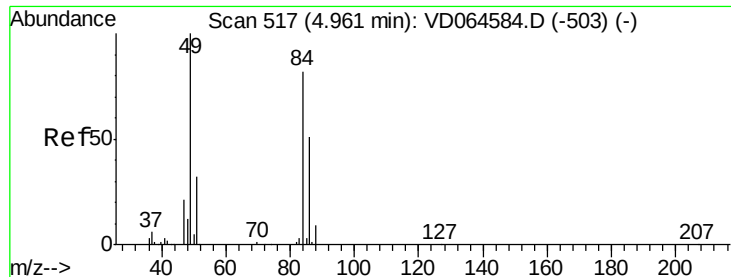
400

200

0

Time-->

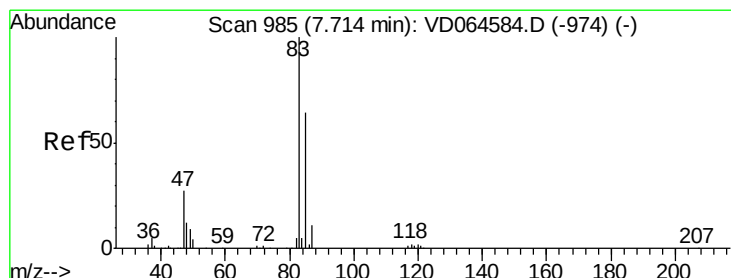
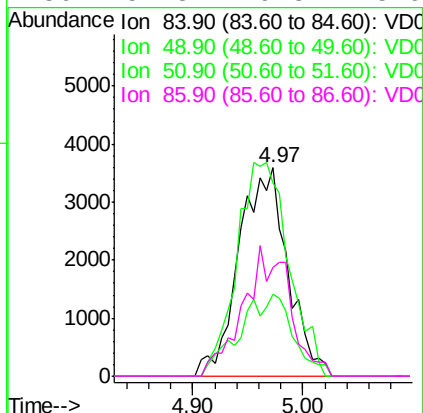
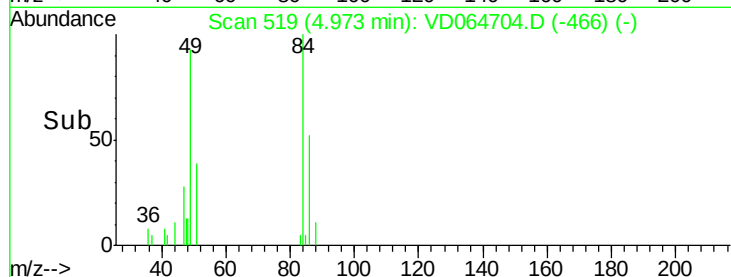
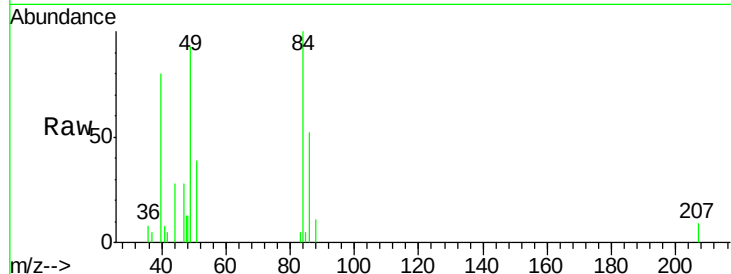




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD064704.D
Acq: 31 Dec 2019 19:36

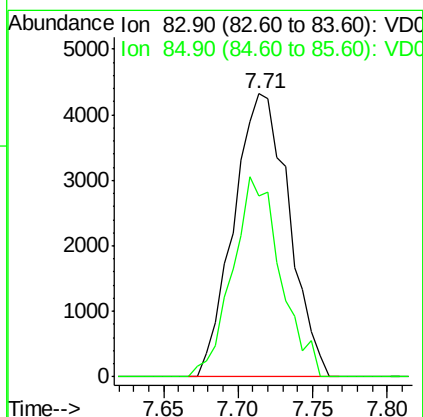
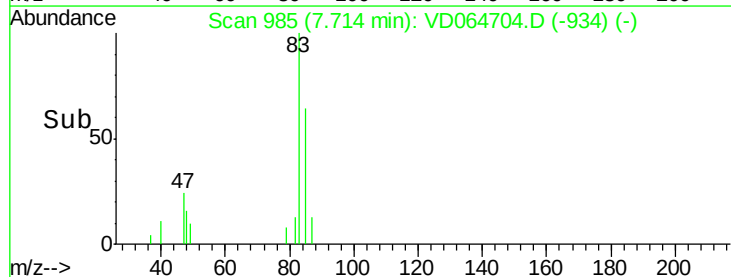
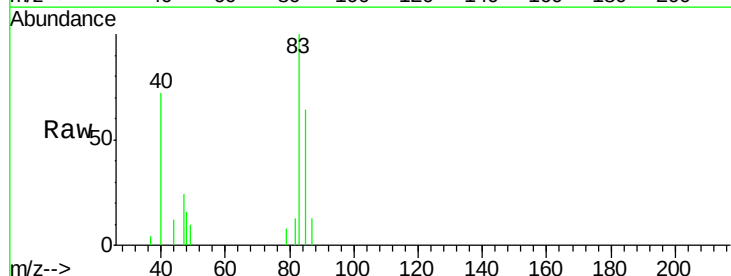
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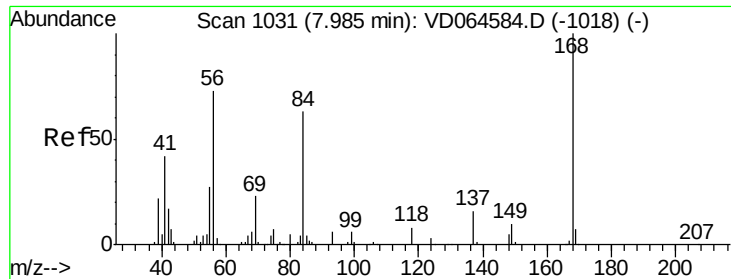
Tgt Ion: 84 Resp: 11150
Ion Ratio Lower Upper
84 100
49 92.8 97.2 145.8#
51 39.2 31.4 47.0
86 52.3 49.3 73.9



#30
Chloroform
Concen: 1.343 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064704.D
Acq: 31 Dec 2019 19:36

Tgt Ion: 83 Resp: 11090
Ion Ratio Lower Upper
83 100
85 63.8 51.1 76.7

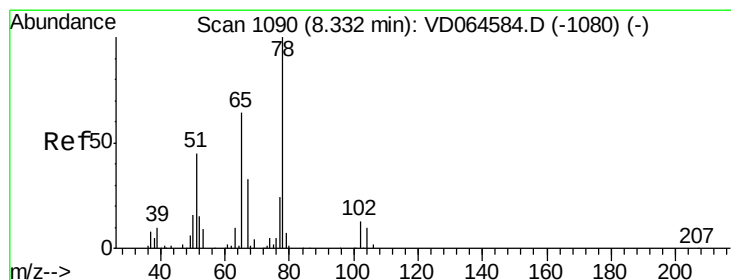
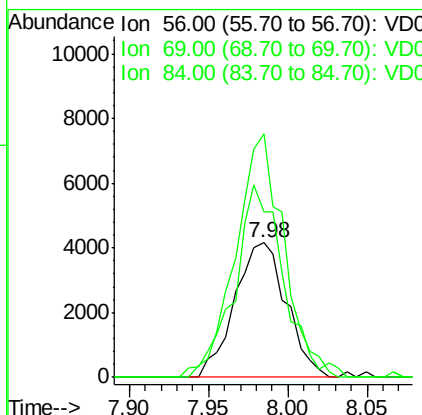
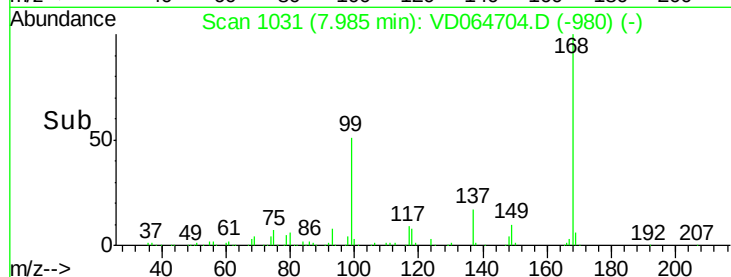
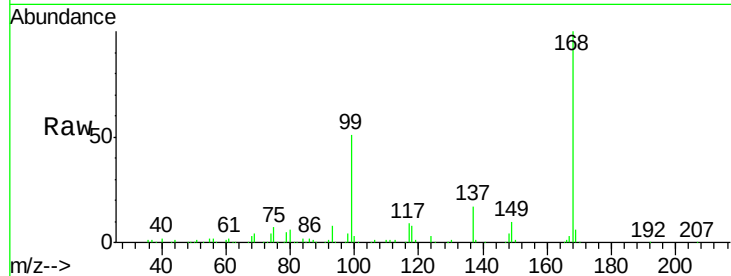




#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064704.D
Acq: 31 Dec 2019 19:36

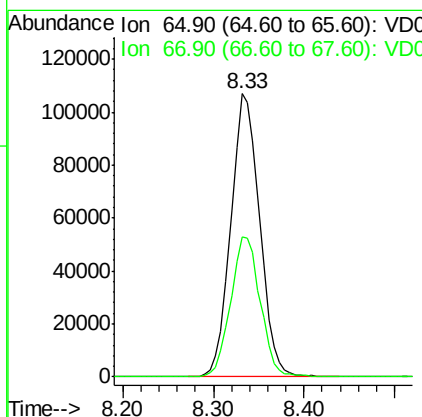
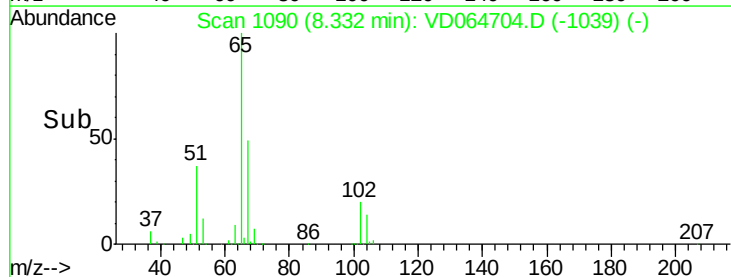
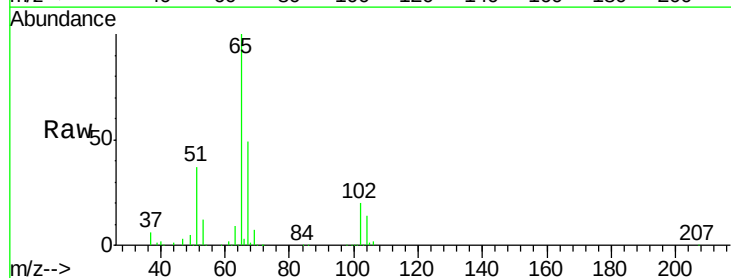
Instrument :
MSVOA_D
ClientSampleId :
GP-10-(1-3)

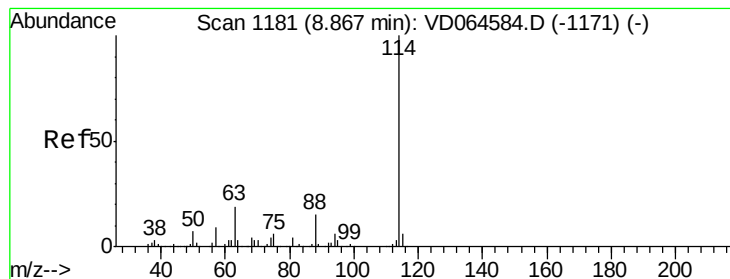
Tgt Ion: 56 Resp: 9413
Ion Ratio Lower Upper
56 100
69 181.1 24.7 37.1#
84 130.7 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 56.032 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD064704.D
Acq: 31 Dec 2019 19:36

Tgt Ion: 65 Resp: 236819
Ion Ratio Lower Upper
65 100
67 50.8 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064704.D

Acq: 31 Dec 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

GP-10-(1-3)

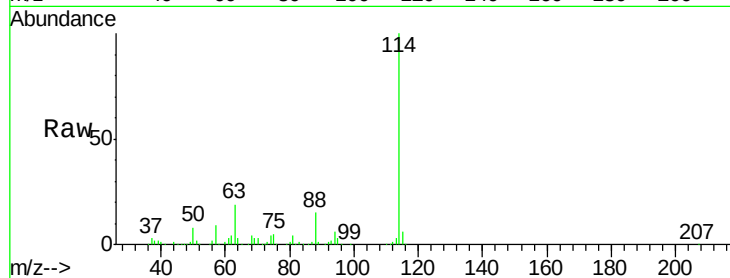
Tgt Ion:114 Resp: 740534

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.0

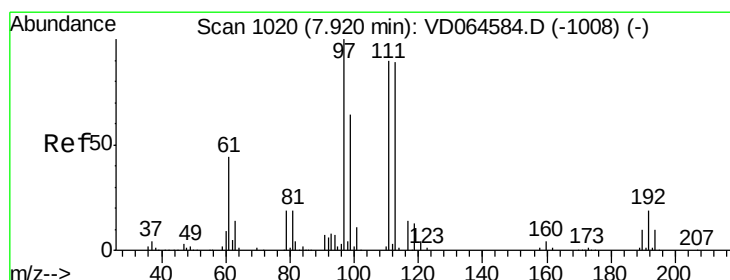
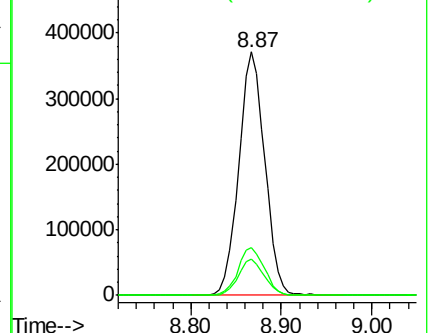
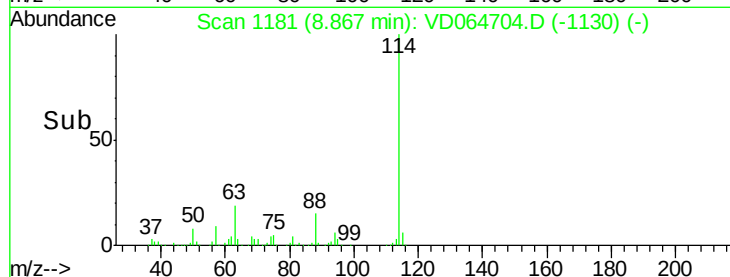
88 14.7 0.0 29.2



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: 50.830 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064704.D

Acq: 31 Dec 2019 19:36

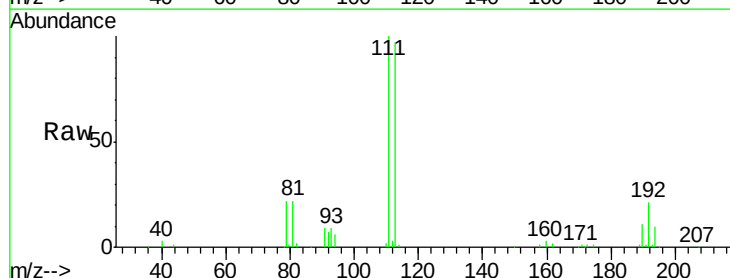
Tgt Ion:113 Resp: 230938

Ion Ratio Lower Upper

113 100

111 103.6 80.6 121.0

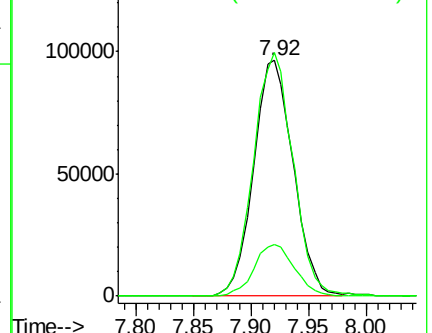
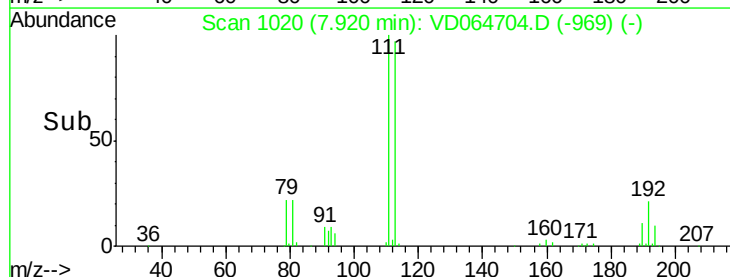
192 22.3 17.9 26.9

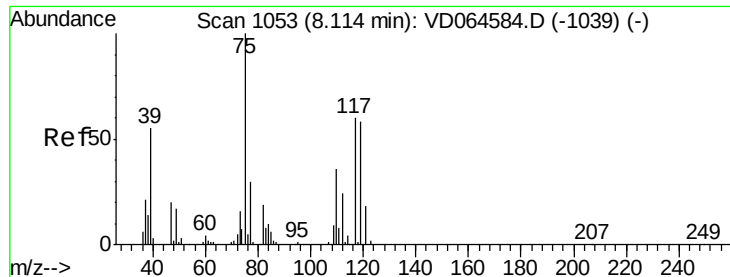


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.942 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064704.D

Acq: 31 Dec 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

GP-10-(1-3)

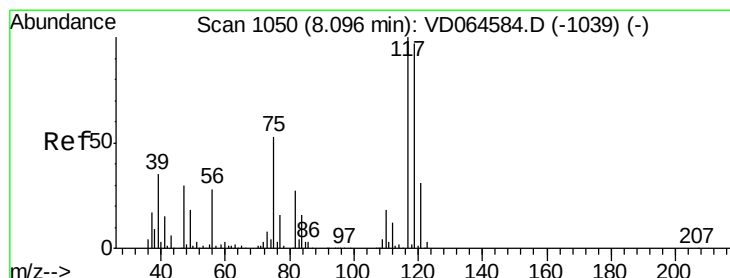
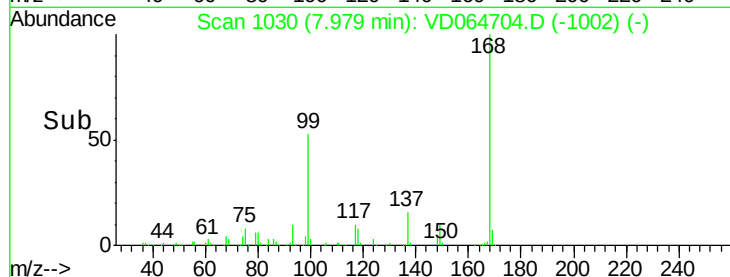
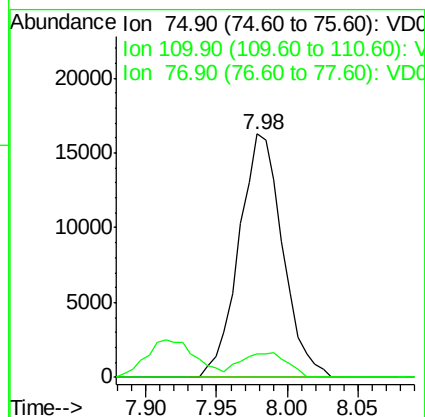
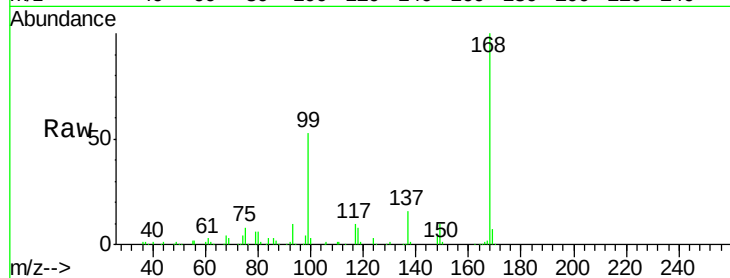
Tgt Ion: 75 Resp: 35224

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.1#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.845 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064704.D

Acq: 31 Dec 2019 19:36

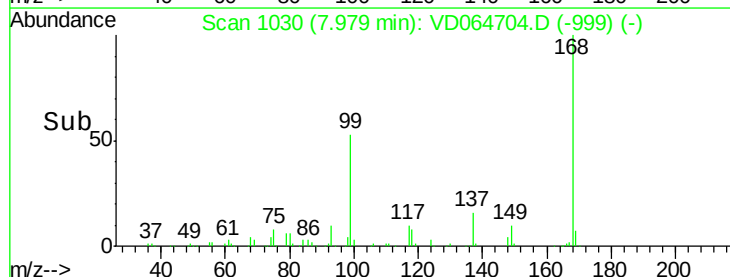
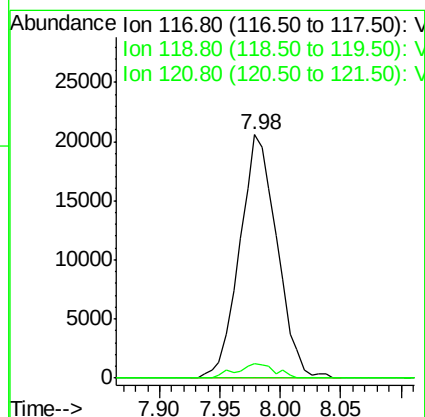
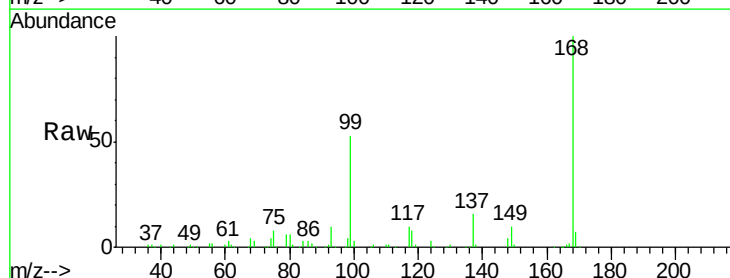
Tgt Ion: 117 Resp: 44423

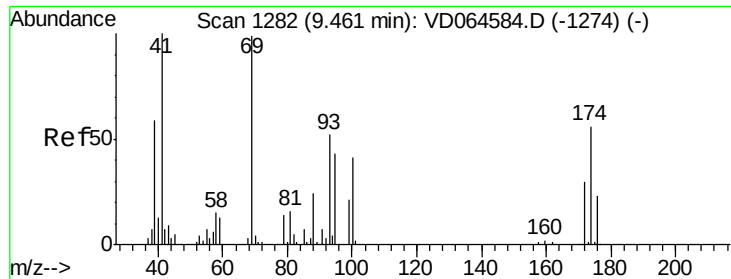
Ion Ratio Lower Upper

117 100

119 6.2 77.3 115.9#

121 0.0 25.0 37.6#

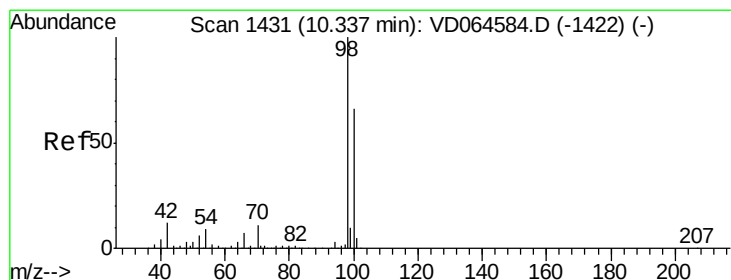
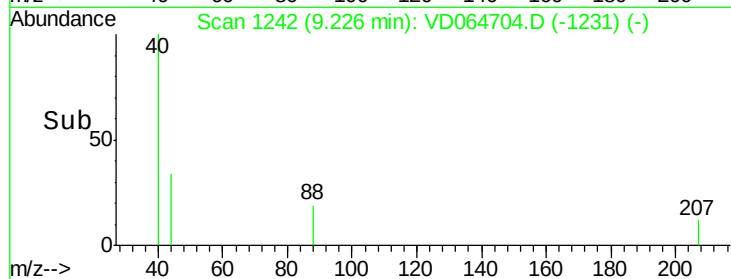
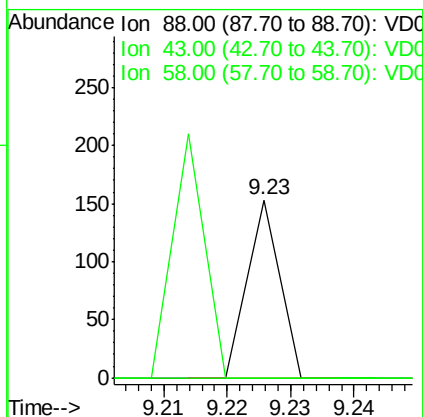
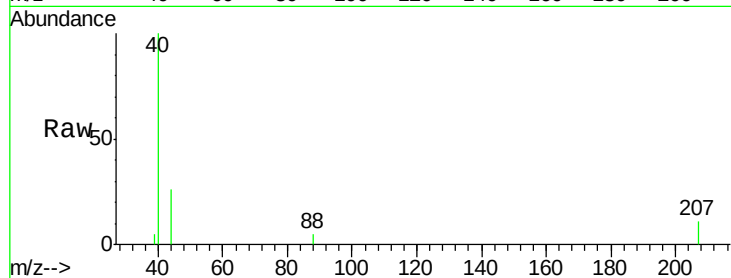




#49
 1,4-Dioxane
 Concen: 1.808 ug/l
 RT: 9.23 min Scan# 1242
 Delta R.T. -0.24 min
 Lab File: VD064704.D
 Acq: 31 Dec 2019 19:36

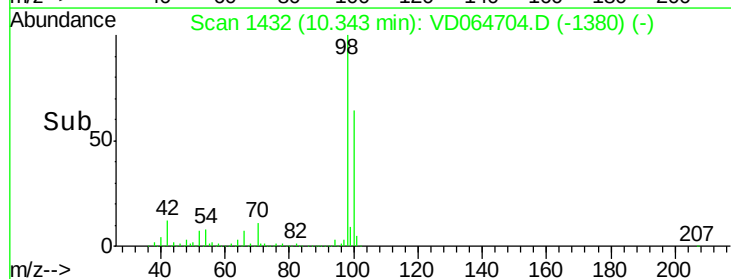
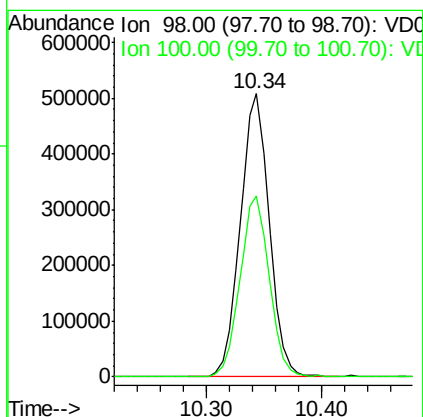
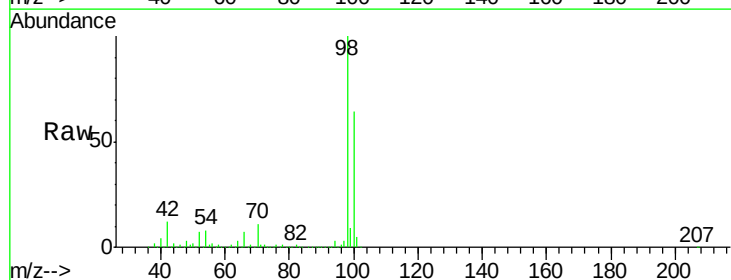
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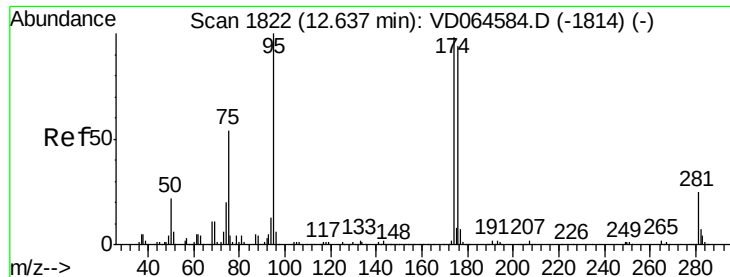
Tgt Ion: 88 Resp: 54
 Ion Ratio Lower Upper
 88 100
 43 137.0 27.7 41.5#
 58 0.0 53.8 80.6#



#50
 Toluene-d8
 Concen: 50.925 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064704.D
 Acq: 31 Dec 2019 19:36

Tgt Ion: 98 Resp: 886119
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.7 77.5

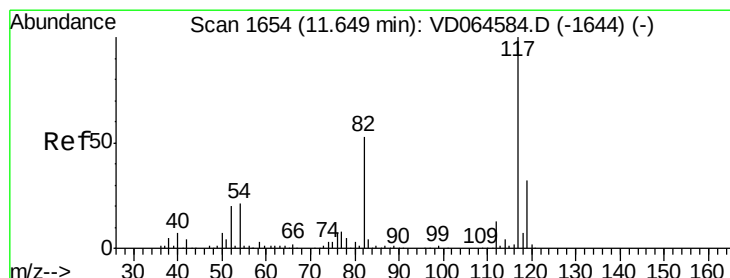
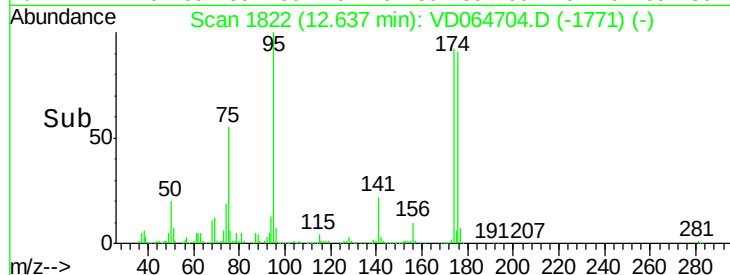
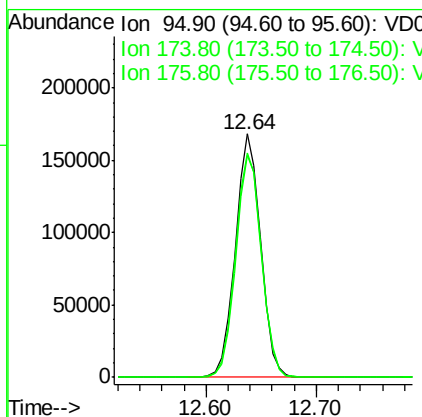
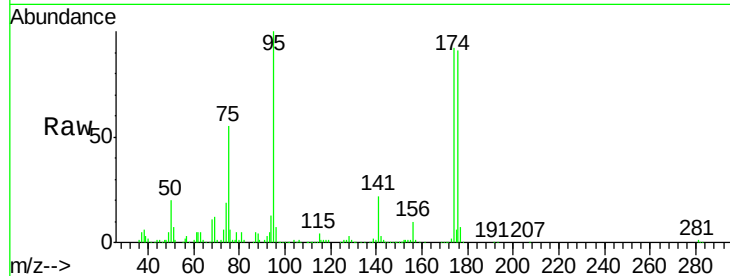




#62
4-Bromofluorobenzene
Concen: 49.247 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064704.D
Acq: 31 Dec 2019 19:36

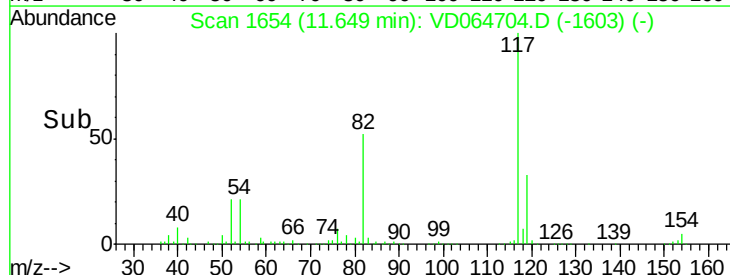
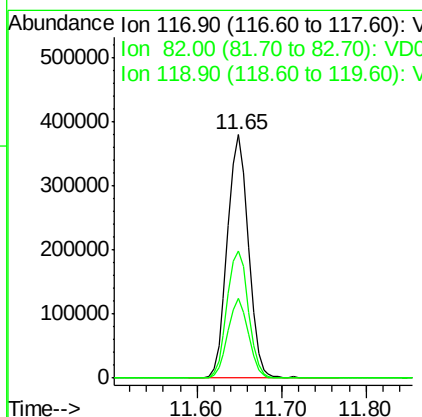
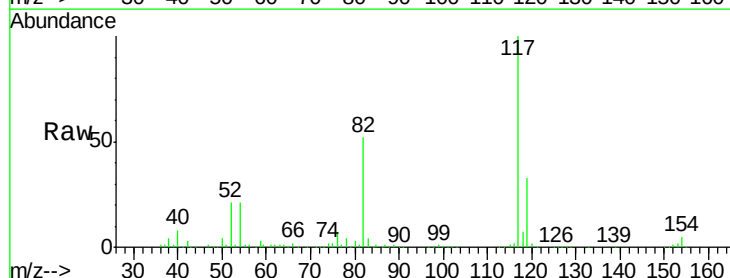
Instrument :
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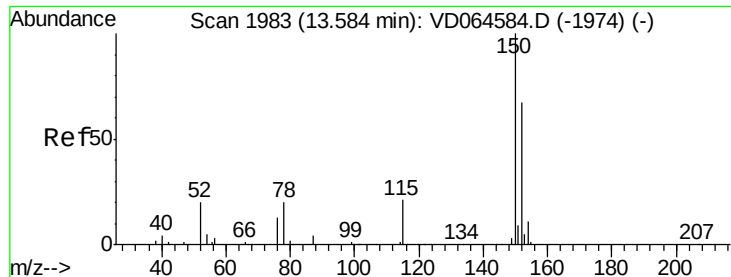
Tgt Ion: 95 Resp: 270965
Ion Ratio Lower Upper
95 100
174 94.5 0.0 193.2
176 92.4 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064704.D
Acq: 31 Dec 2019 19:36

Tgt Ion: 117 Resp: 651420
Ion Ratio Lower Upper
117 100
82 52.1 42.2 63.4
119 32.6 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064704.D

Acq: 31 Dec 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

GP-10-(1-3)

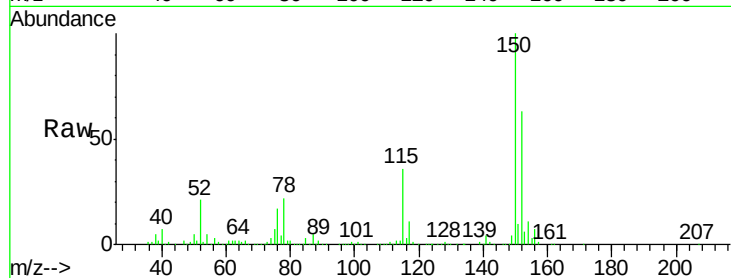
Tgt Ion:152 Resp: 310410

Ion Ratio Lower Upper

152 100

115 57.1 27.8 83.4

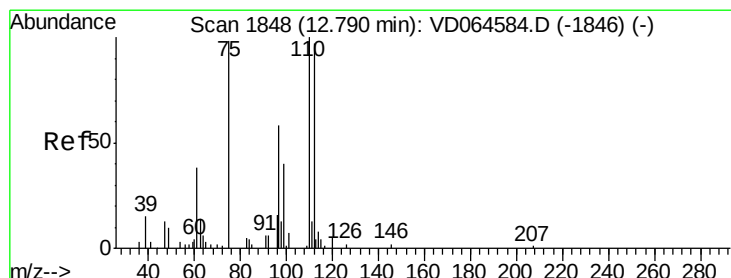
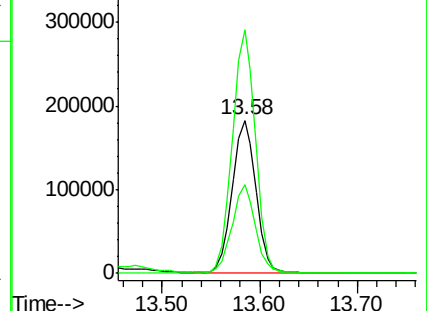
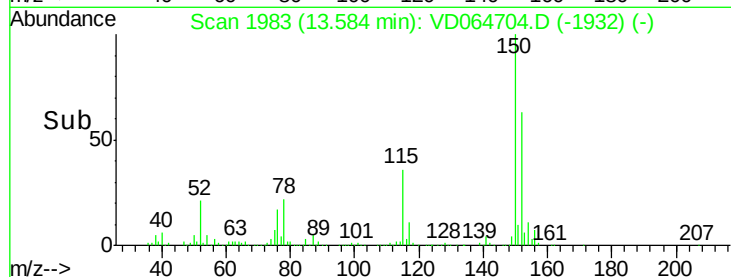
150 152.4 0.0 351.4



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: 61.797 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064704.D

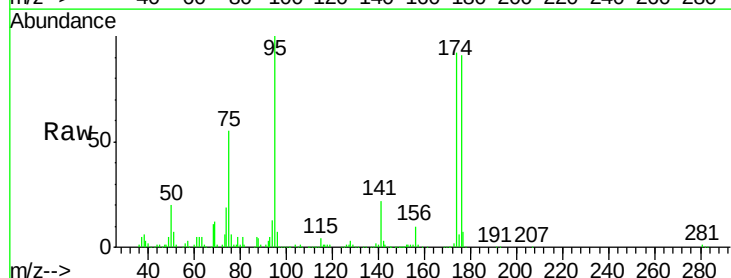
Acq: 31 Dec 2019 19:36

Tgt Ion: 75 Resp: 151476

Ion Ratio Lower Upper

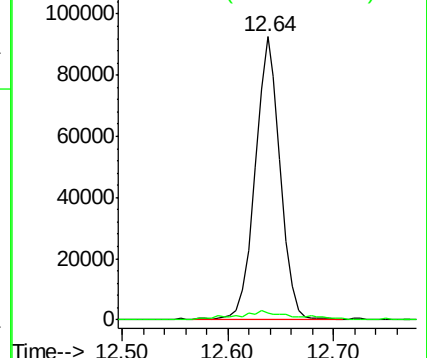
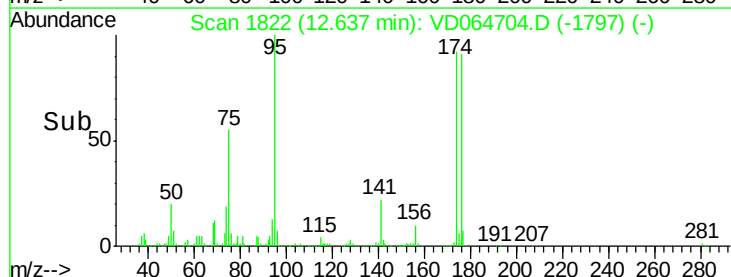
75 100

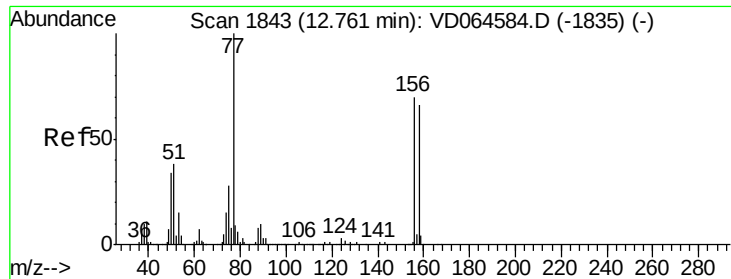
77 6.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

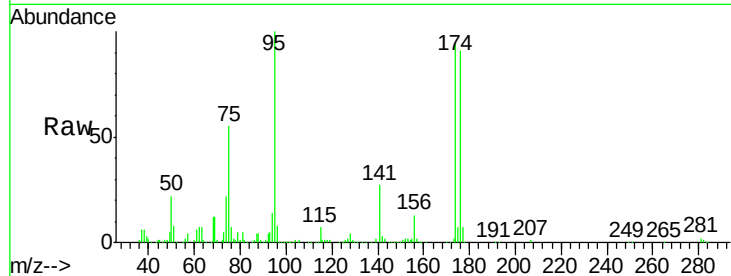




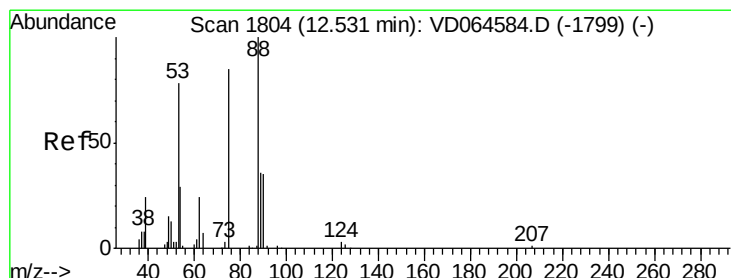
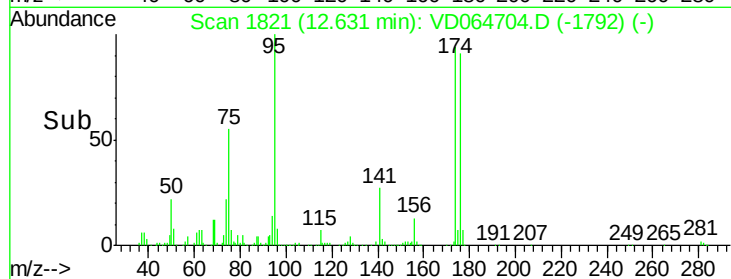
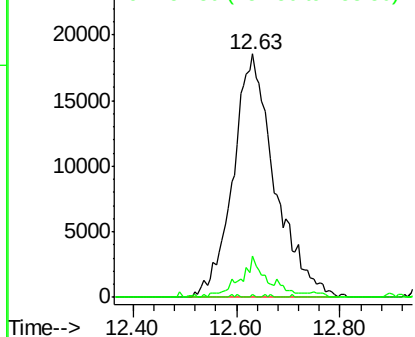
#77
Bromobenzene
Concen: 19.074 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.13 min
Lab File: VD064704.D
Acq: 31 Dec 2019 19:36

Instrument :
MSVOA_D
ClientSampleId :
GP-10-(1-3)

Tgt Ion	Ratio	Lower	Upper
156	100		
77	9.3	80.9	242.7#
158	0.1	48.0	144.2#

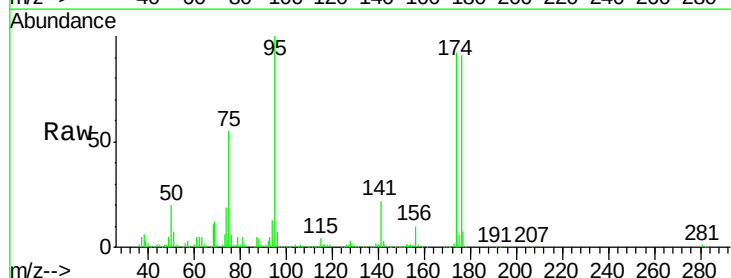


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

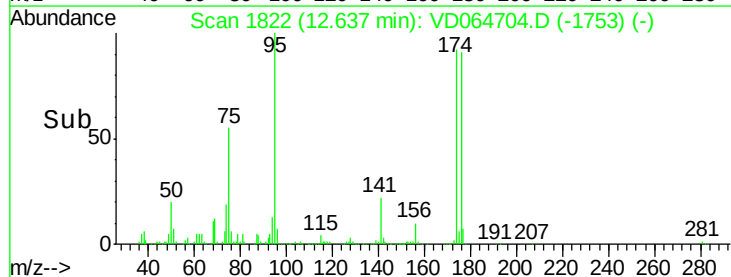
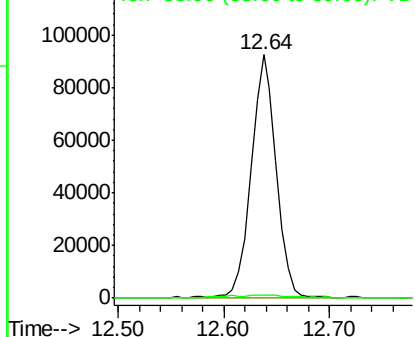


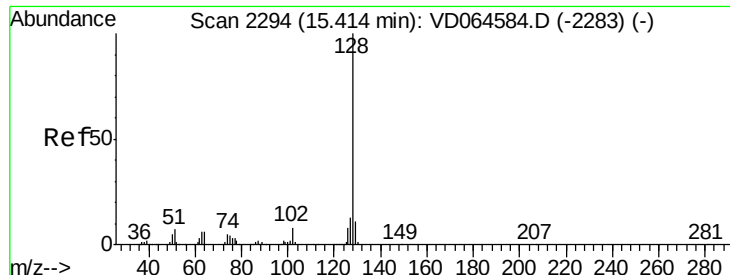
#81
trans-1,4-Dichloro-2-butene
Concen: 129.246 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD064704.D
Acq: 31 Dec 2019 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.8	118.2#
89	2.7	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





#95

Naphthalene

Concen: 27.076 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064704.D

Acq: 31 Dec 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

GP-10-(1-3)

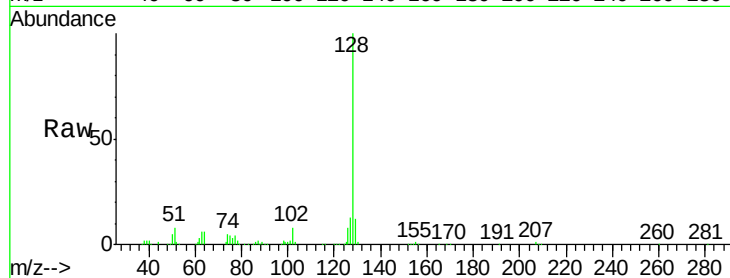
Tgt Ion:128 Resp: 279440

Ion Ratio Lower Upper

128 100

127 13.7 10.3 15.5

129 11.5 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

