

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064721.D
 Acq On : 02 Jan 2020 16:58
 Operator : VA/SY
 Sample : K6465-04
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-10-(10-12)

Quant Time: Jan 03 00:25:24 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	66521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	104678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	101197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	49697	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	47844	81.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	163.14%	
35) Dibromofluoromethane	7.92	113	39685	61.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.58%	
50) Toluene-d8	10.34	98	127202	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
62) 4-Bromofluorobenzene	12.64	95	43113	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	

Target Compounds

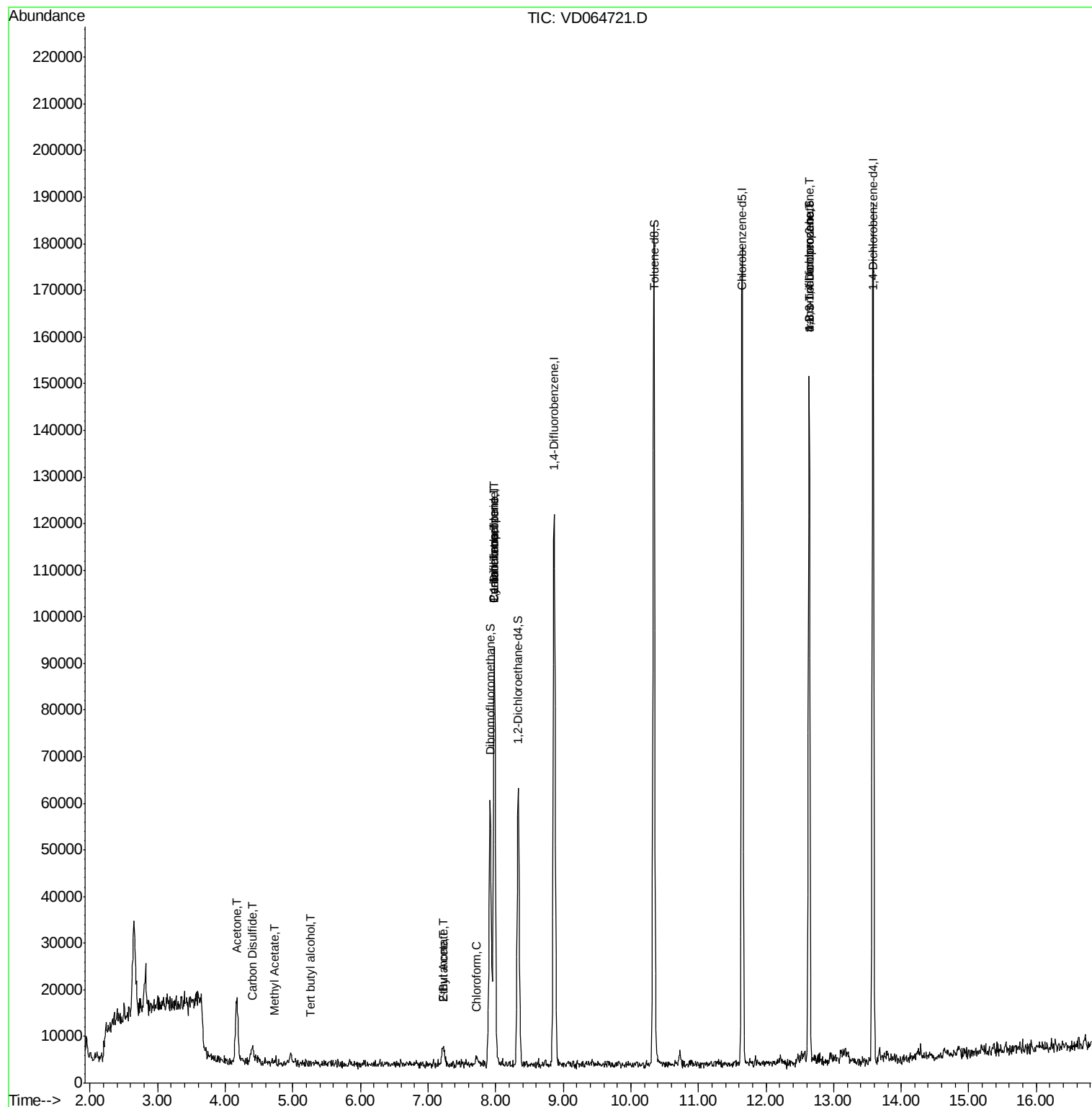
						Qvalue
11) Tert butyl alcohol	5.26	59	139	4.135	ug/l #	70
16) Acetone	4.17	43	23176	182.803	ug/l	97
17) Carbon Disulfide	4.40	76	7368	3.894	ug/l #	94
18) Methyl Acetate	4.73	43	602	1.823	ug/l #	51
20) Methylene Chloride	4.97	84	1557	Below Cal	#	71
25) 2-Butanone	7.22	43	5710	35.414	ug/l #	74
30) Chloroform	7.72	83	1355	1.182	ug/l #	81
31) Cyclohexane	7.97	56	1681	1.537	ug/l #	31
36) 1,1-Dichloropropene	7.98	75	5283	5.244	ug/l #	49
37) Ethyl Acetate	7.22	43	5710	14.426	ug/l #	70
38) Carbon Tetrachloride	7.98	117	6706	6.242	ug/l #	12
76) 1,2,3-Trichloropropane	12.64	75	22737	57.938	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	22737	121.175	ug/l #	10

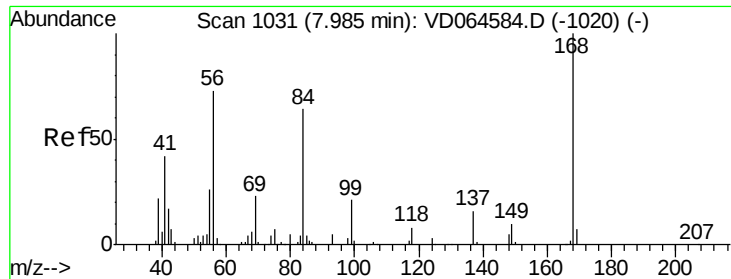
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD010220\
Data File : VD064721.D
Acq On : 02 Jan 2020 16:58
Operator : VA/SY
Sample : K6465-04
Misc : 5.08G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
GP-10-(10-12)

Quant Time: Jan 03 00:25:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
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# 1030

Delta R.T. -0.01 min

Lab File: VD064721.D

Acq: 02 Jan 2020 16:58

Instrument :

MSVOA_D

ClientSampleId :

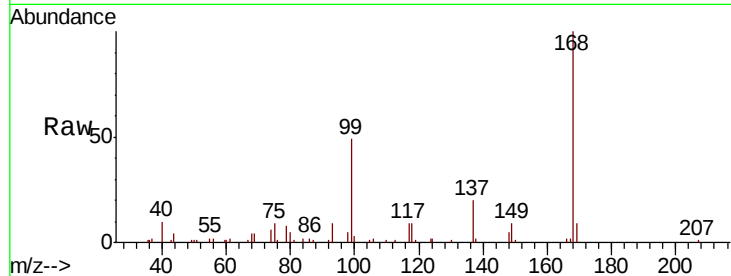
GP-10-(10-12)

Tot Ion:168 Resp: 66521

Ion Ratio Lower Upper

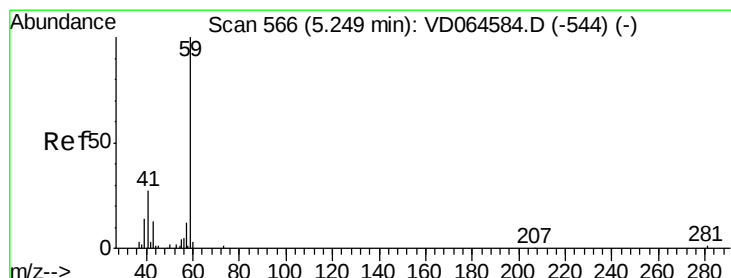
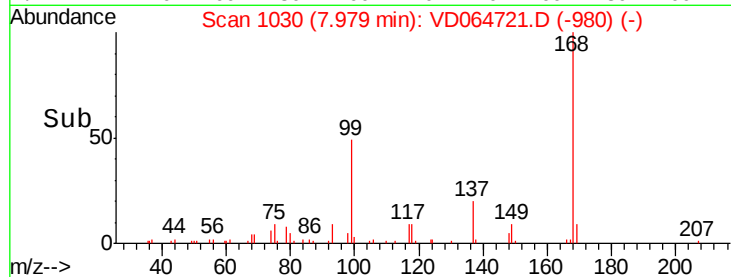
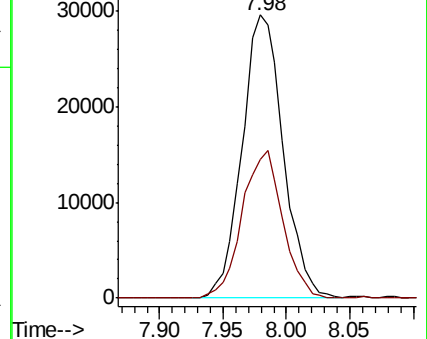
168 100

99 49.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 4.135 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD064721.D

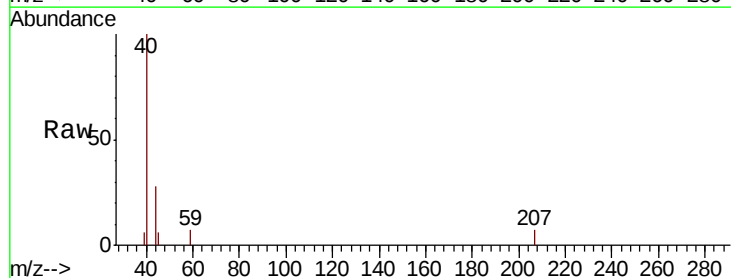
Acq: 02 Jan 2020 16:58

Tgt Ion: 59 Resp: 139

Ion Ratio Lower Upper

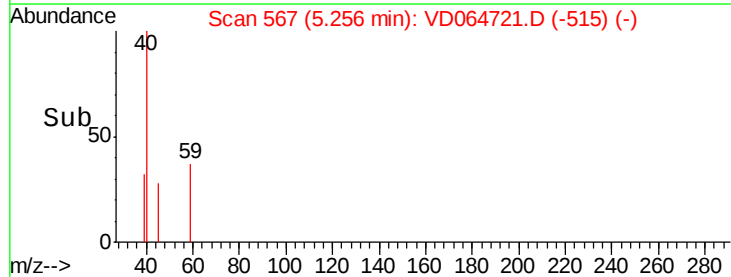
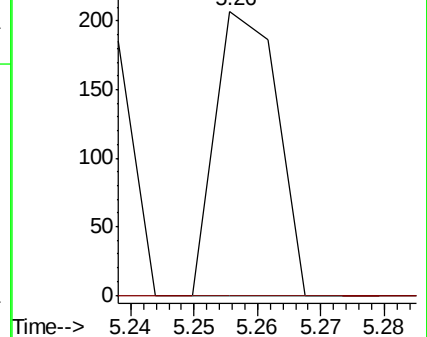
59 100

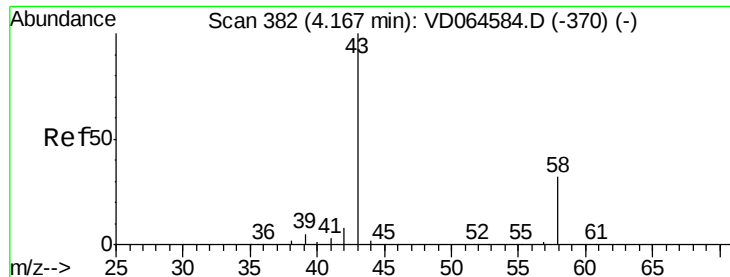
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 182.803 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064721.D

Acq: 02 Jan 2020 16:58

Instrument :

MSVOA_D

ClientSampleId :

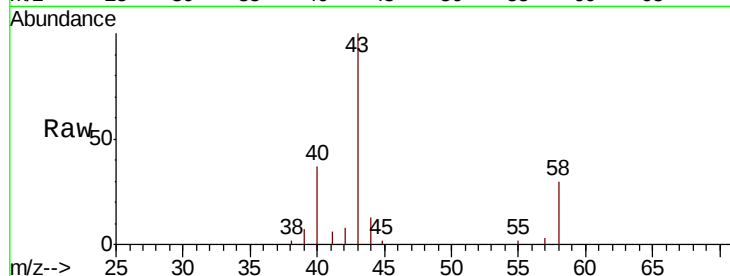
GP-10-(10-12)

Tot Ion: 43 Resp: 23176

Ion Ratio Lower Upper

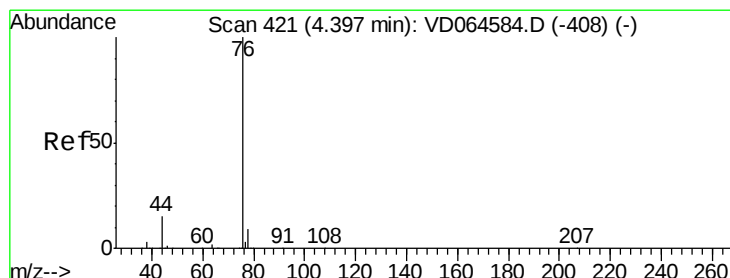
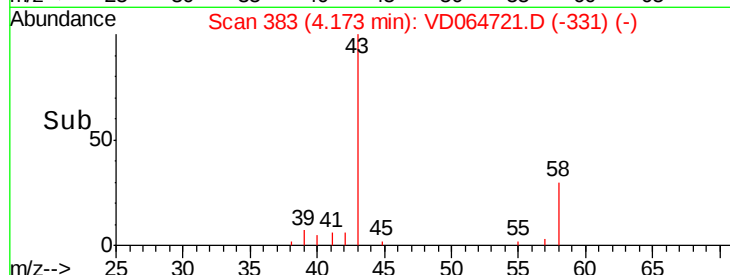
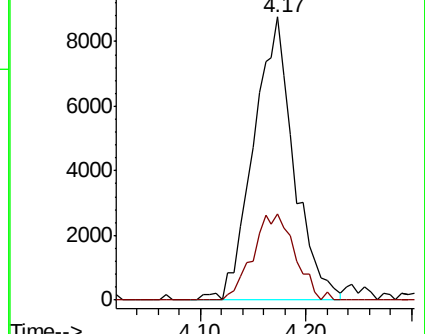
43 100

58 30.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 3.894 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064721.D

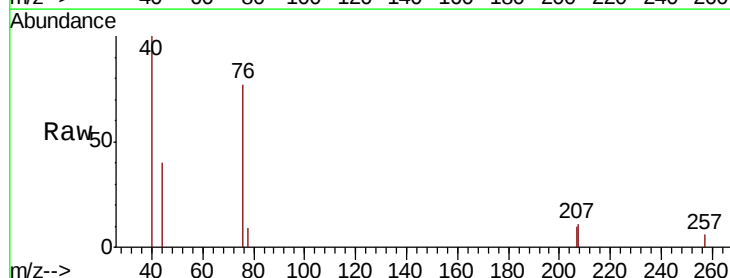
Acq: 02 Jan 2020 16:58

Tgt Ion: 76 Resp: 7368

Ion Ratio Lower Upper

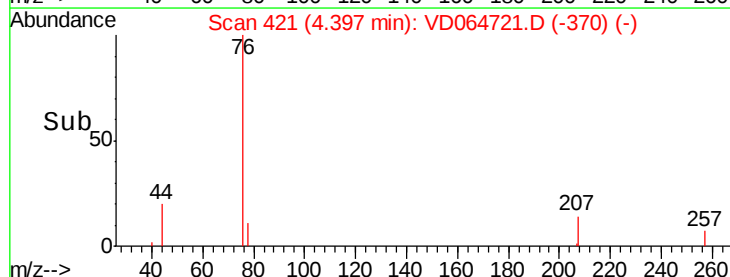
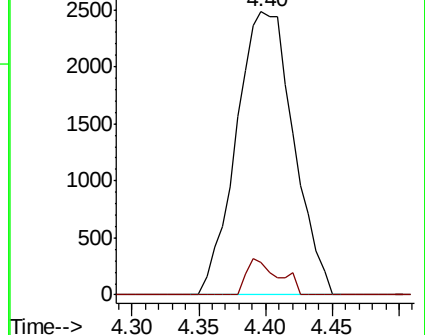
76 100

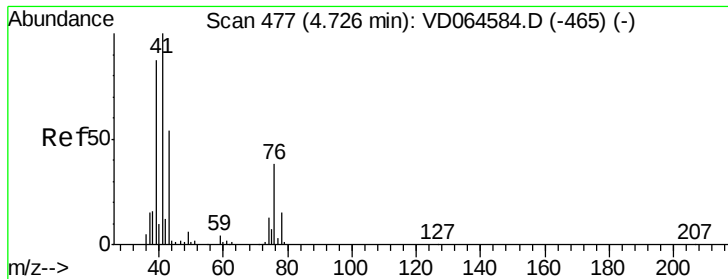
78 11.3 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

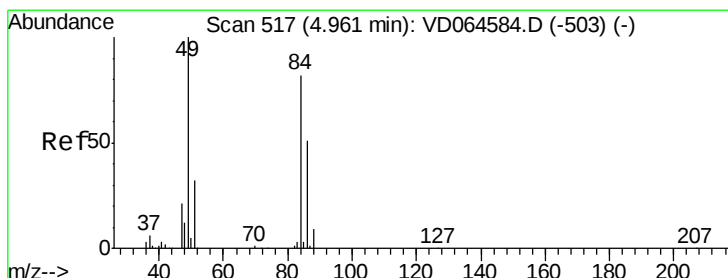
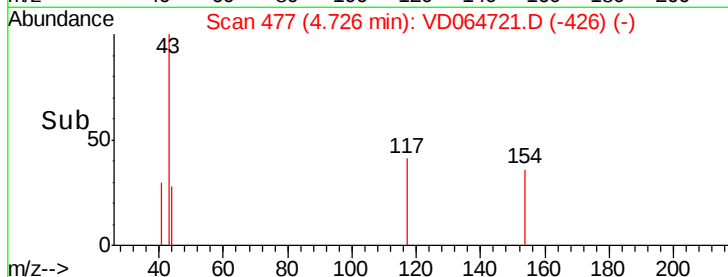
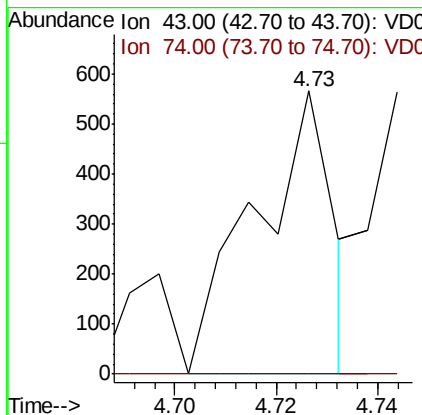
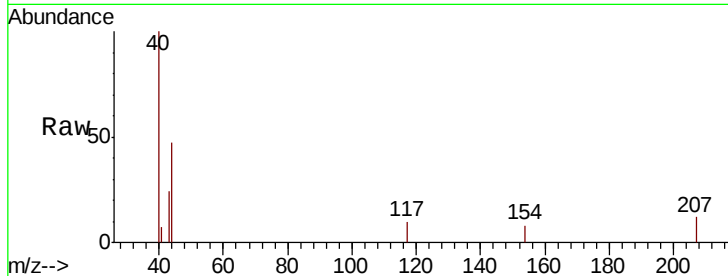




#18
Methyl Acetate
Concen: 1.823 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064721.D
Acq: 02 Jan 2020 16:58

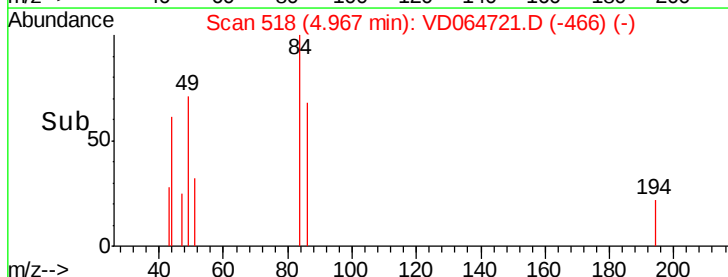
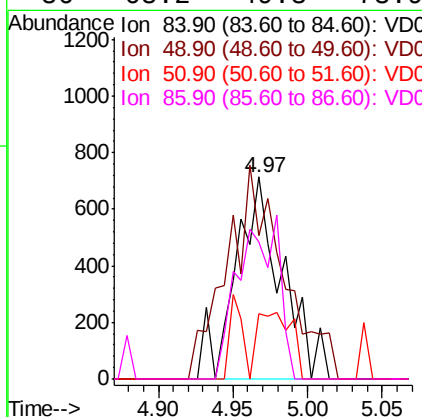
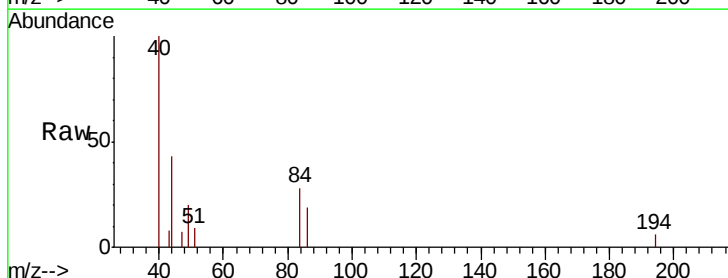
Instrument :
MSVOA_D
ClientSampleId :
GP-10-(10-12)

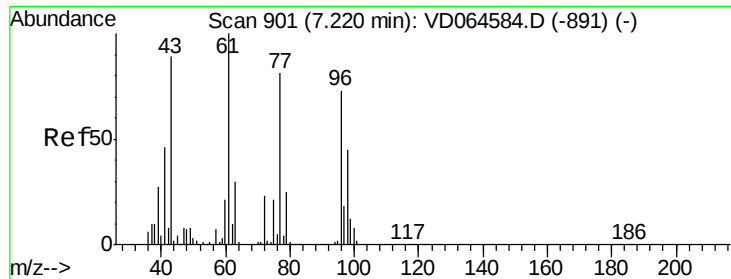
Tot Ion: 43 Resp: 602
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064721.D
Acq: 02 Jan 2020 16:58

Tgt Ion: 84 Resp: 1557
Ion Ratio Lower Upper
84 100
49 71.2 97.2 145.8#
51 32.1 31.4 47.0
86 68.2 49.3 73.9





#25

2-Butanone

Concen: 35.414 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064721.D

Acq: 02 Jan 2020 16:58

Instrument :

MSVOA_D

ClientSampleId :

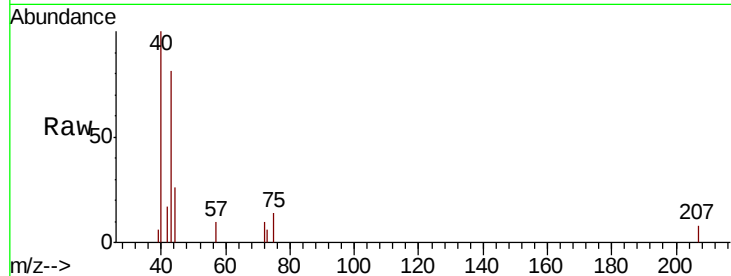
GP-10-(10-12)

Tot Ion: 43 Resp: 5710

Ion Ratio Lower Upper

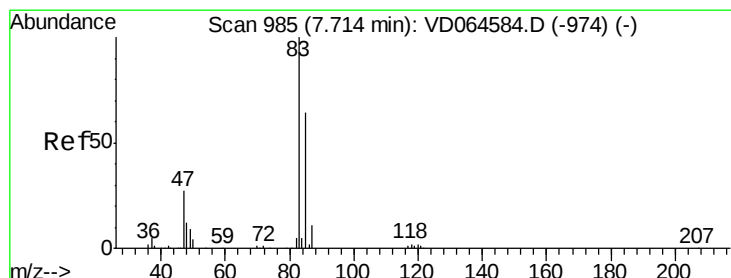
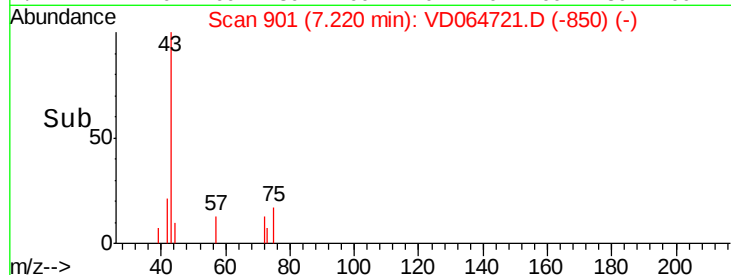
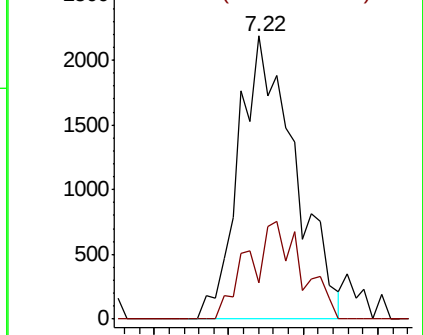
43 100

72 12.6 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#30

Chloroform

Concen: 1.182 ug/l

RT: 7.72 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD064721.D

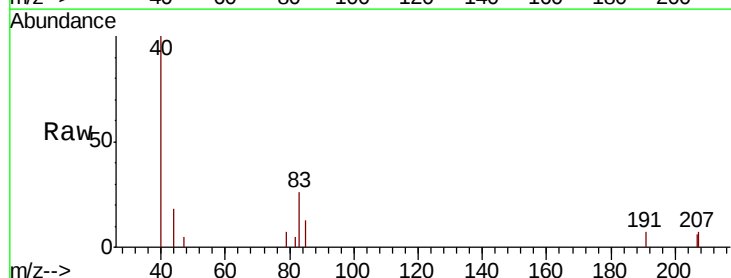
Acq: 02 Jan 2020 16:58

Tgt Ion: 83 Resp: 1355

Ion Ratio Lower Upper

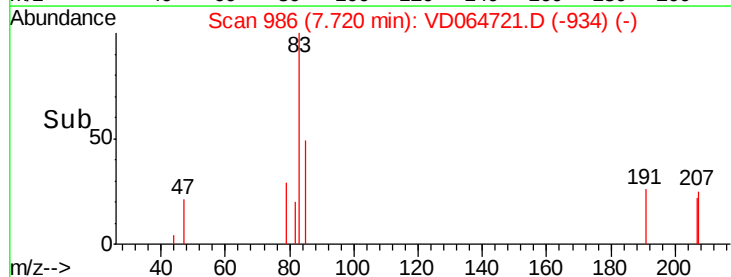
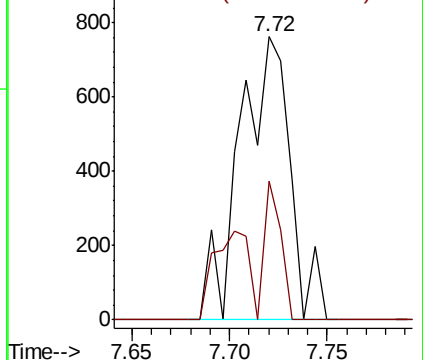
83 100

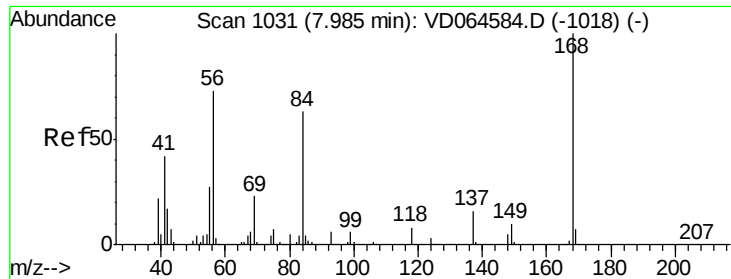
85 49.1 51.1 76.7#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

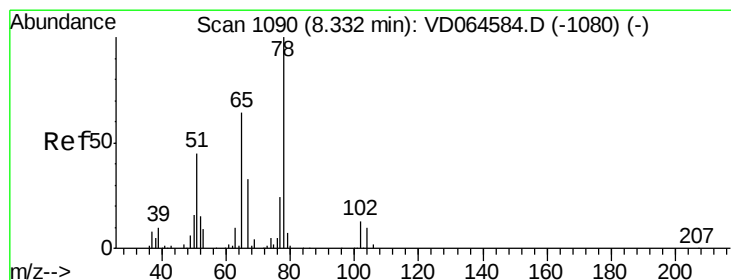
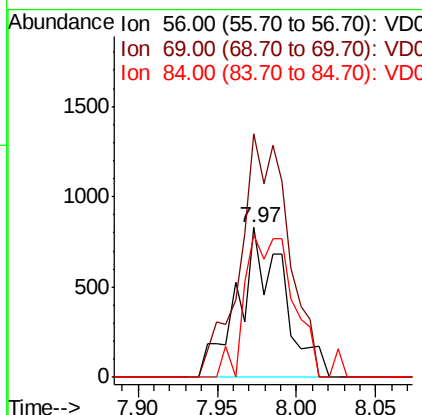
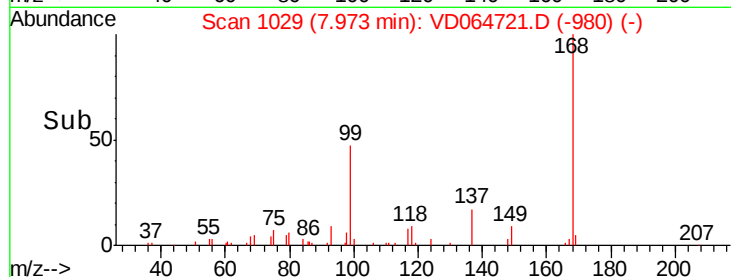
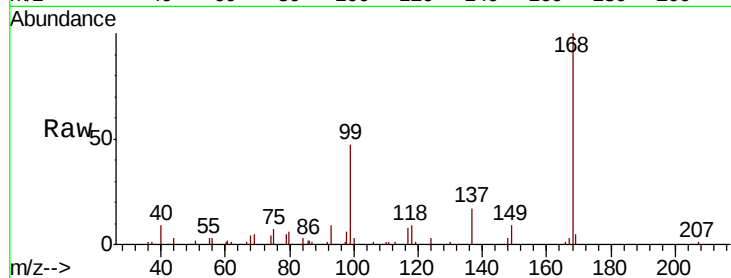




#31
Cyclohexane
Concen: 1.537 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD064721.D
Acq: 02 Jan 2020 16:58

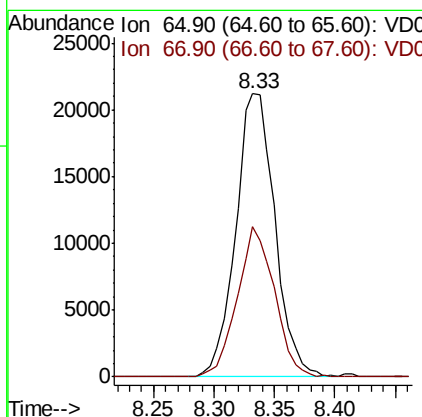
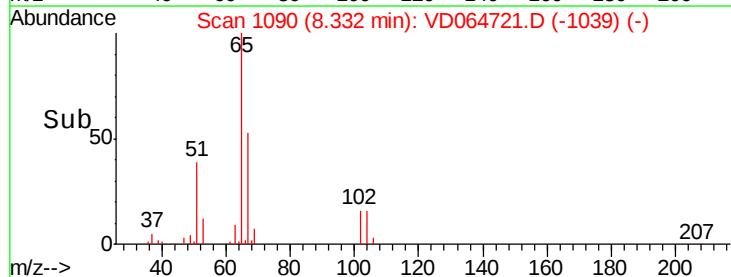
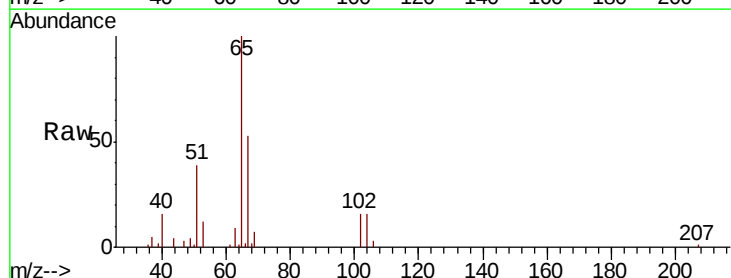
Instrument :
MSVOA_D
ClientSampleId :
GP-10-(10-12)

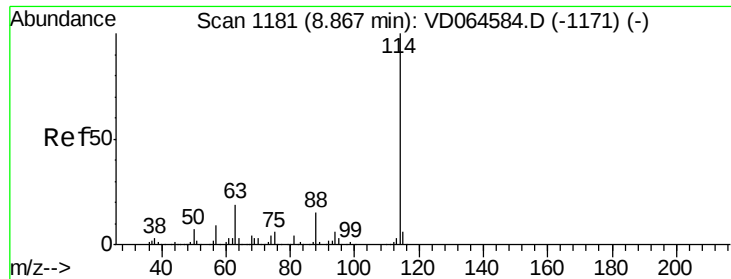
Tot Ion: 56 Resp: 1681
Ion Ratio Lower Upper
56 100
69 162.2 24.7 37.1#
84 95.1 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 81.565 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD064721.D
Acq: 02 Jan 2020 16:58

Tgt Ion: 65 Resp: 47844
Ion Ratio Lower Upper
65 100
67 50.4 0.0 106.2

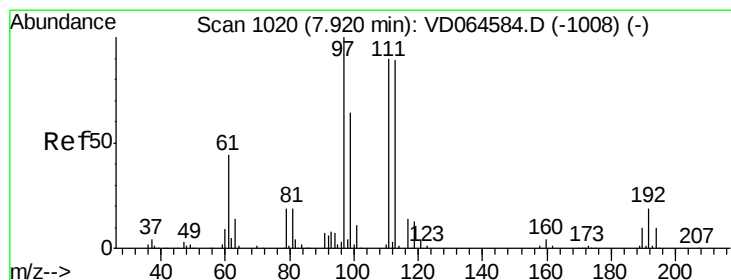
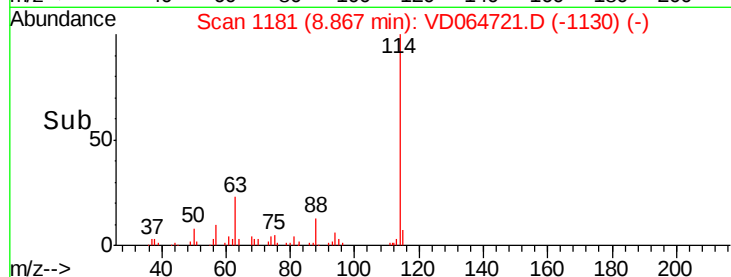
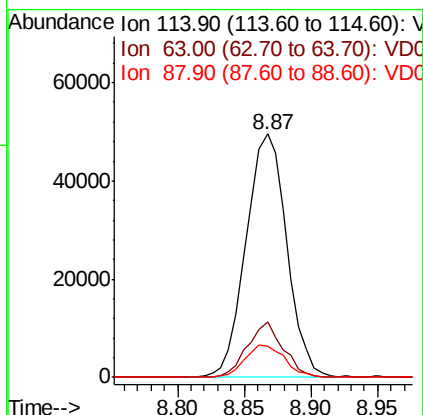
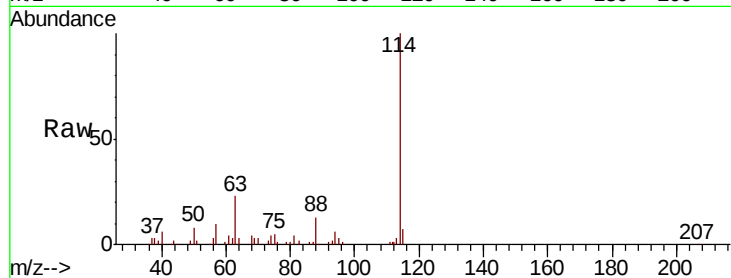




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064721.D
 Acq: 02 Jan 2020 16:58

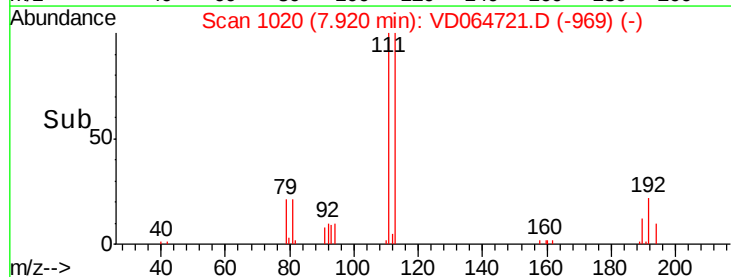
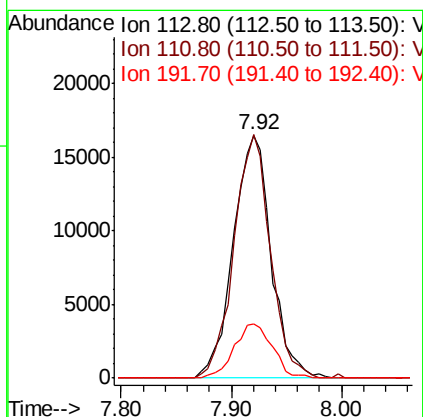
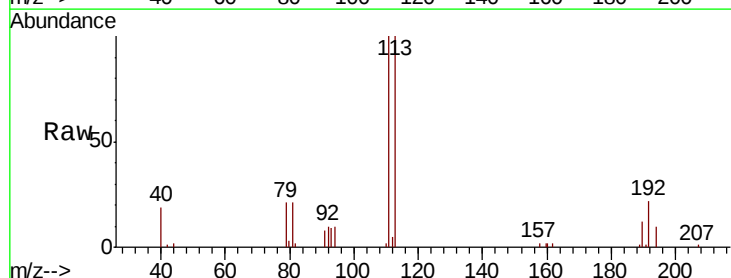
Instrument :
 MSVOA_D
 ClientSampleId :
 GP-10-(10-12)

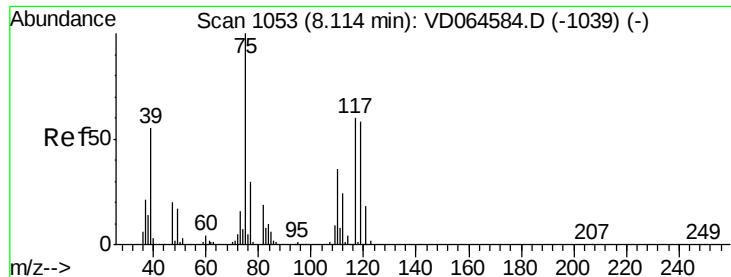
Tot Ion:114 Resp: 104678
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 38.0
 88 13.0 0.0 29.2



#35
 Dibromofluoromethane
 Concen: 61.794 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064721.D
 Acq: 02 Jan 2020 16:58

Tgt Ion:113 Resp: 39685
 Ion Ratio Lower Upper
 113 100
 111 96.4 80.6 121.0
 192 22.4 17.9 26.9





#36

1,1-Dichloropropene

Concen: 5.244 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD064721.D

Acq: 02 Jan 2020 16:58

Instrument :

MSVOA_D

ClientSampleId :

GP-10-(10-12)

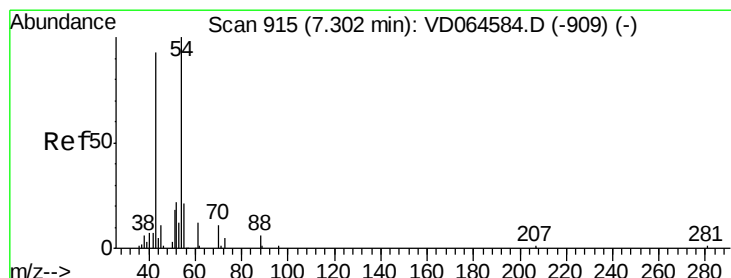
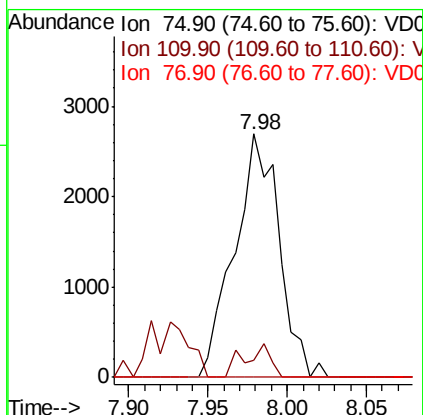
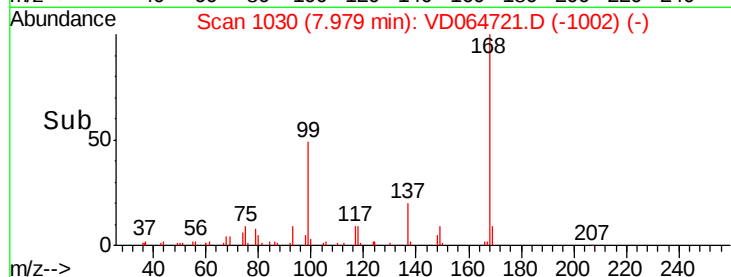
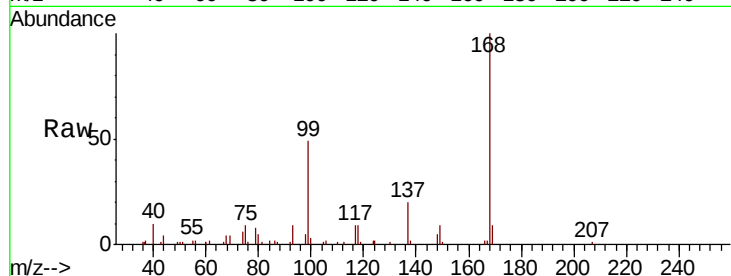
Tot Ion: 75 Resp: 5283

Ion Ratio Lower Upper

75 100

110 7.9 18.1 54.1#

77 0.0 24.2 36.4#



#37

Ethyl Acetate

Concen: 14.426 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.08 min

Lab File: VD064721.D

Acq: 02 Jan 2020 16:58

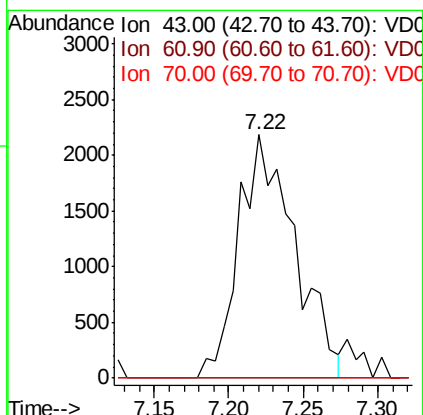
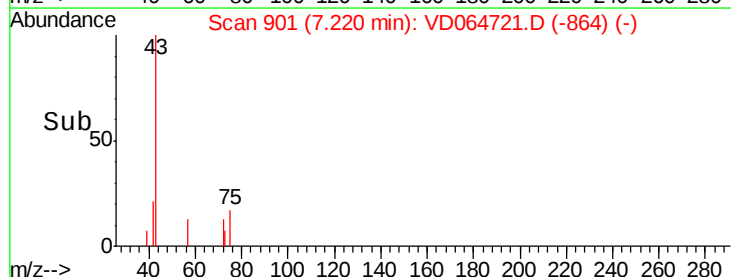
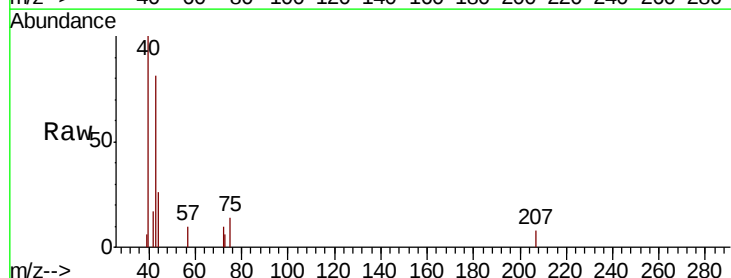
Tgt Ion: 43 Resp: 5710

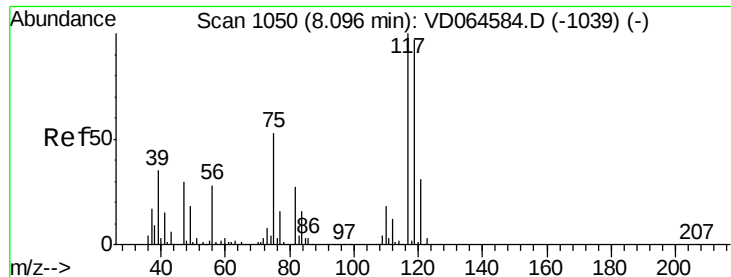
Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

70 0.0 7.6 11.4#

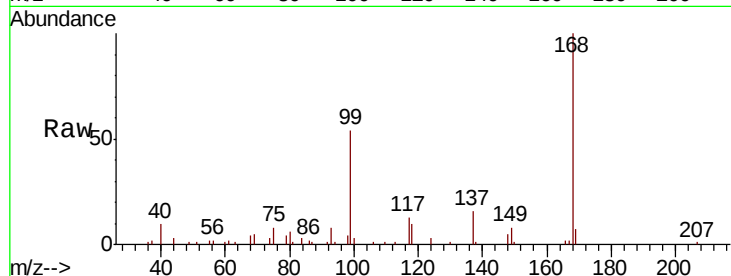




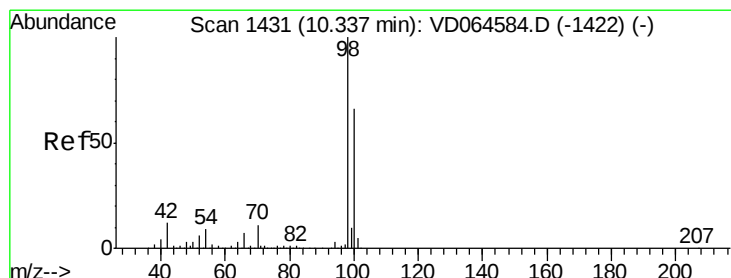
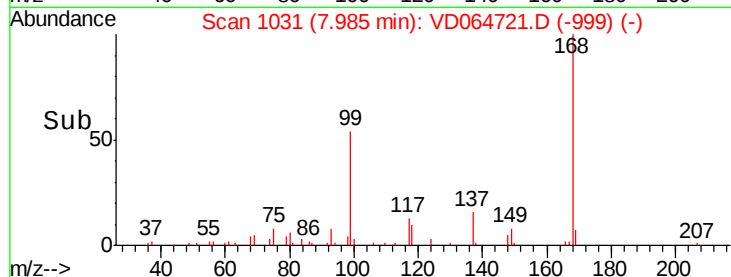
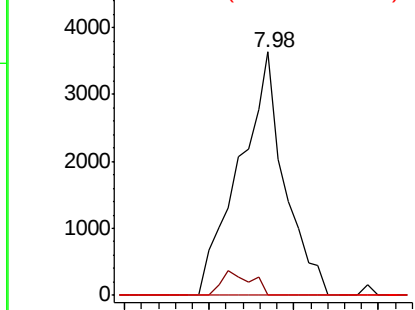
#38
Carbon Tetrachloride
Concen: 6.242 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064721.D
Acq: 02 Jan 2020 16:58

Instrument :
MSVOA_D
ClientSampleId :
GP-10-(10-12)

Tot Ion:117 Resp: 6706
Ion Ratio Lower Upper
117 100
119 0.0 77.3 115.9#
121 0.0 25.0 37.6#

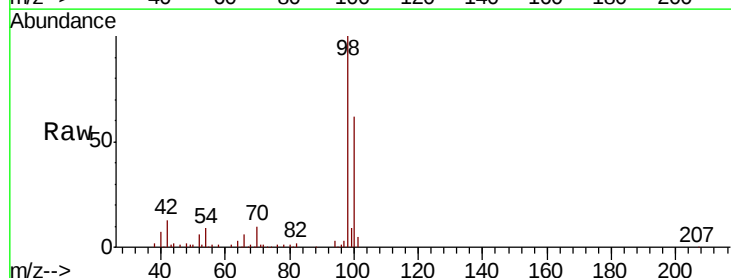


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

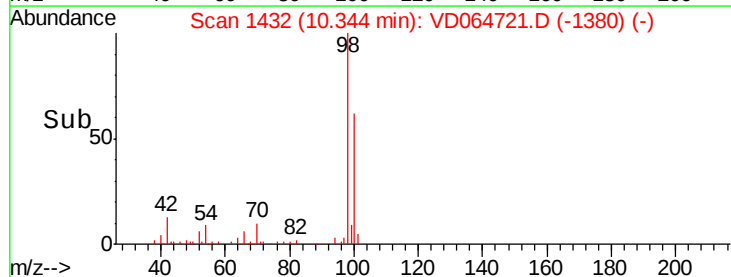
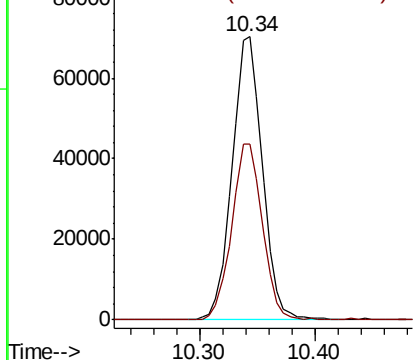


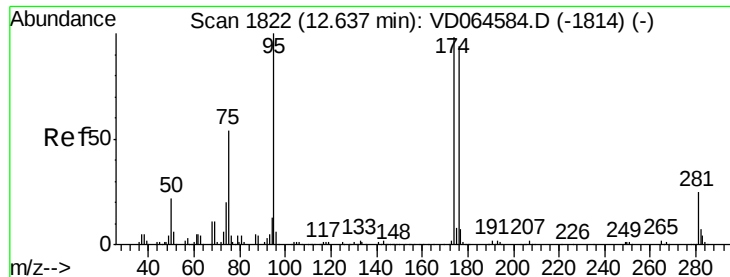
#50
Toluene-d8
Concen: 51.716 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064721.D
Acq: 02 Jan 2020 16:58

Tgt Ion: 98 Resp: 127202
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD

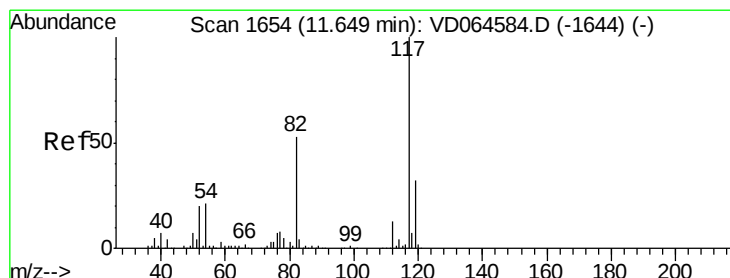
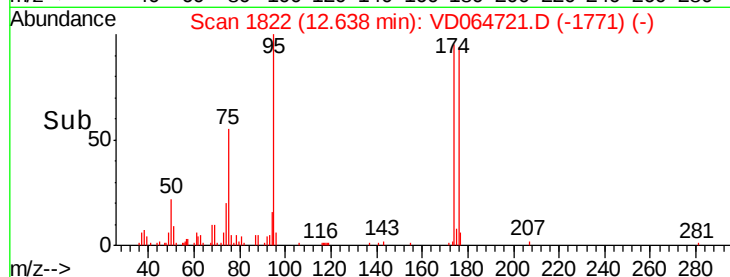
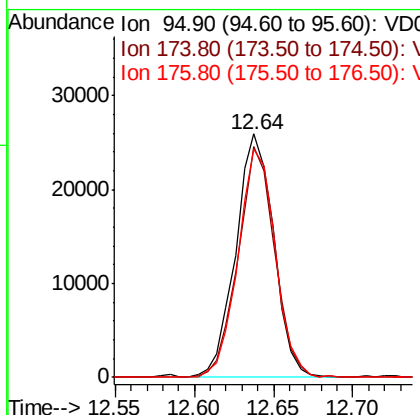
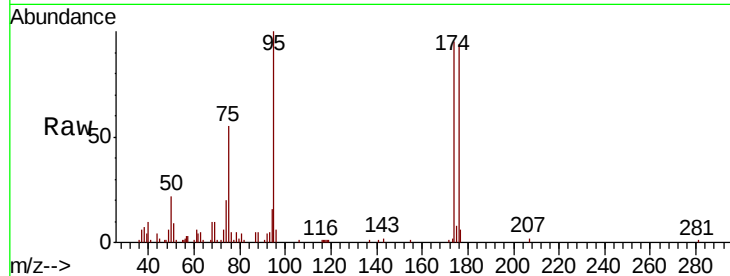




#62
4-Bromofluorobenzene
Concen: 55.432 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064721.D
Acq: 02 Jan 2020 16:58

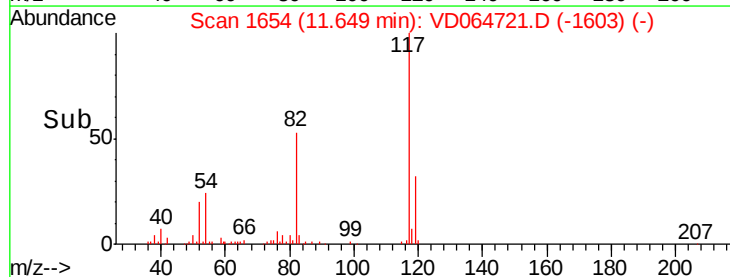
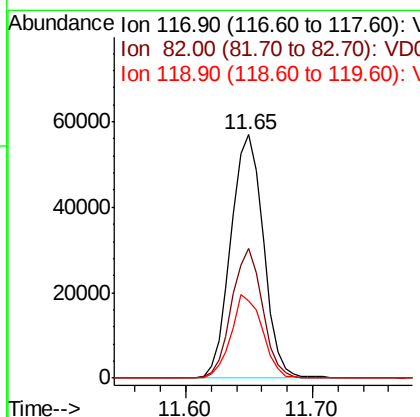
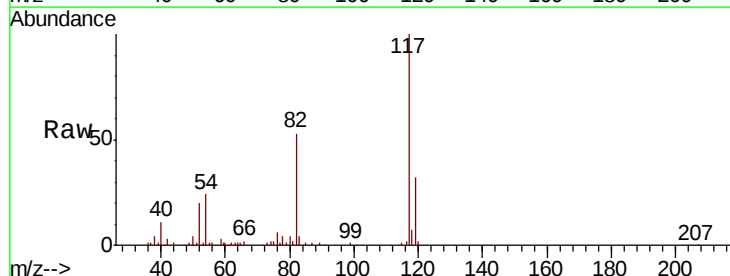
Instrument :
MSVOA_D
ClientSampleId :
GP-10-(10-12)

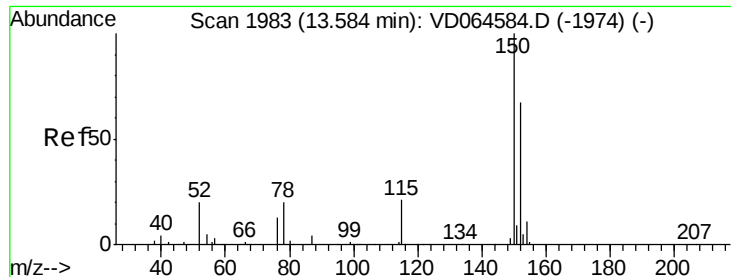
Tot Ion: 95 Resp: 43113
Ion Ratio Lower Upper
95 100
174 91.2 0.0 193.2
176 92.0 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064721.D
Acq: 02 Jan 2020 16:58

Tgt Ion: 117 Resp: 101197
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.4
119 31.7 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: VD064721.D

Acq: 02 Jan 2020 16:58

Instrument :

MSVOA_D

ClientSampleId :

GP-10-(10-12)

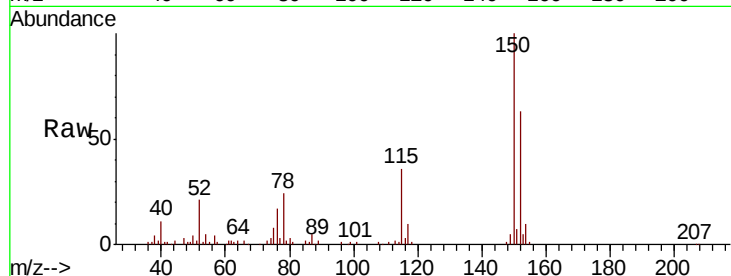
Tot Ion:152 Resp: 49697

Ion Ratio Lower Upper

152 100

115 54.7 27.8 83.4

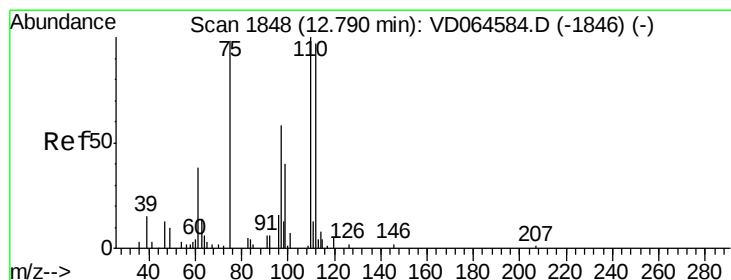
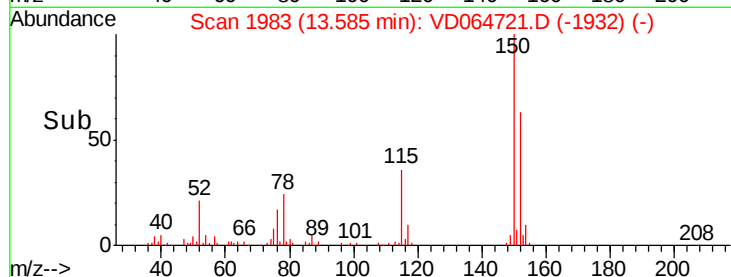
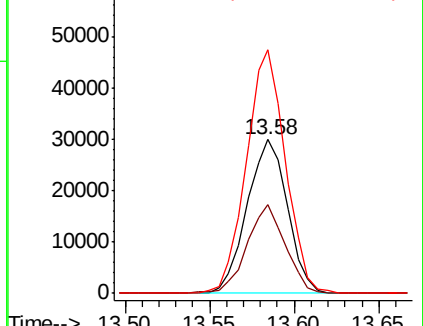
150 152.9 0.0 351.4



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: 57.938 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064721.D

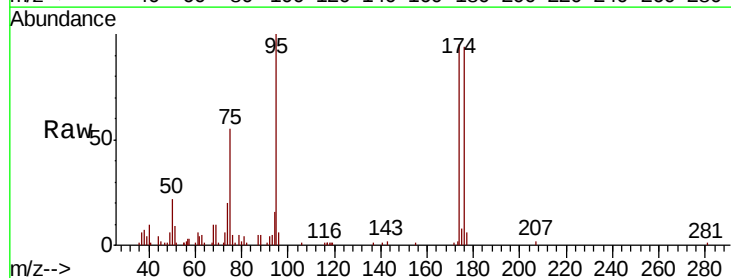
Acq: 02 Jan 2020 16:58

Tgt Ion: 75 Resp: 22737

Ion Ratio Lower Upper

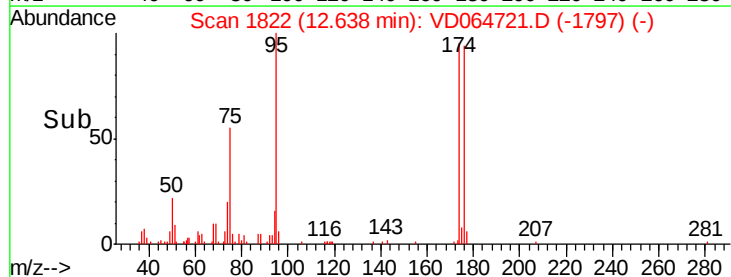
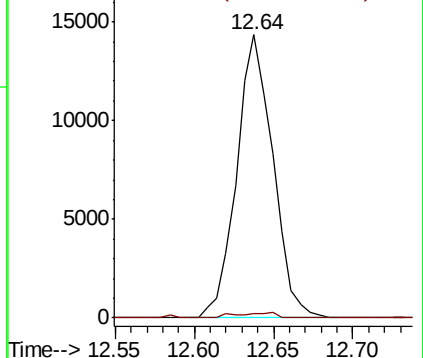
75 100

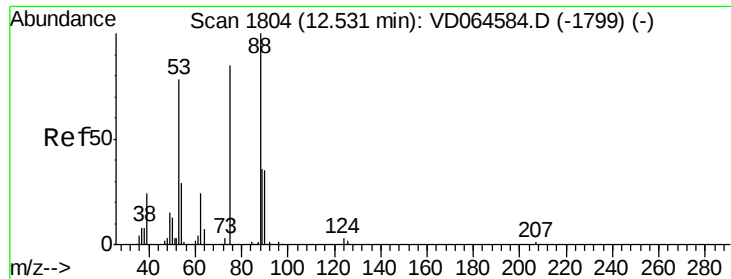
77 2.0 0.0 0.0#



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: 121.175 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064721.D

Acq: 02 Jan 2020 16:58

Instrument :

MSVOA_D

ClientSampleId :

GP-10-(10-12)

Tot Ion: 75 Resp: 22737

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 38.3 57.5#

