

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064723.D
 Acq On : 02 Jan 2020 17:55
 Operator : VA/SY
 Sample : K6465-08
 Misc : 7.44G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-4-(3-5)

Quant Time: Jan 03 00:25:45 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

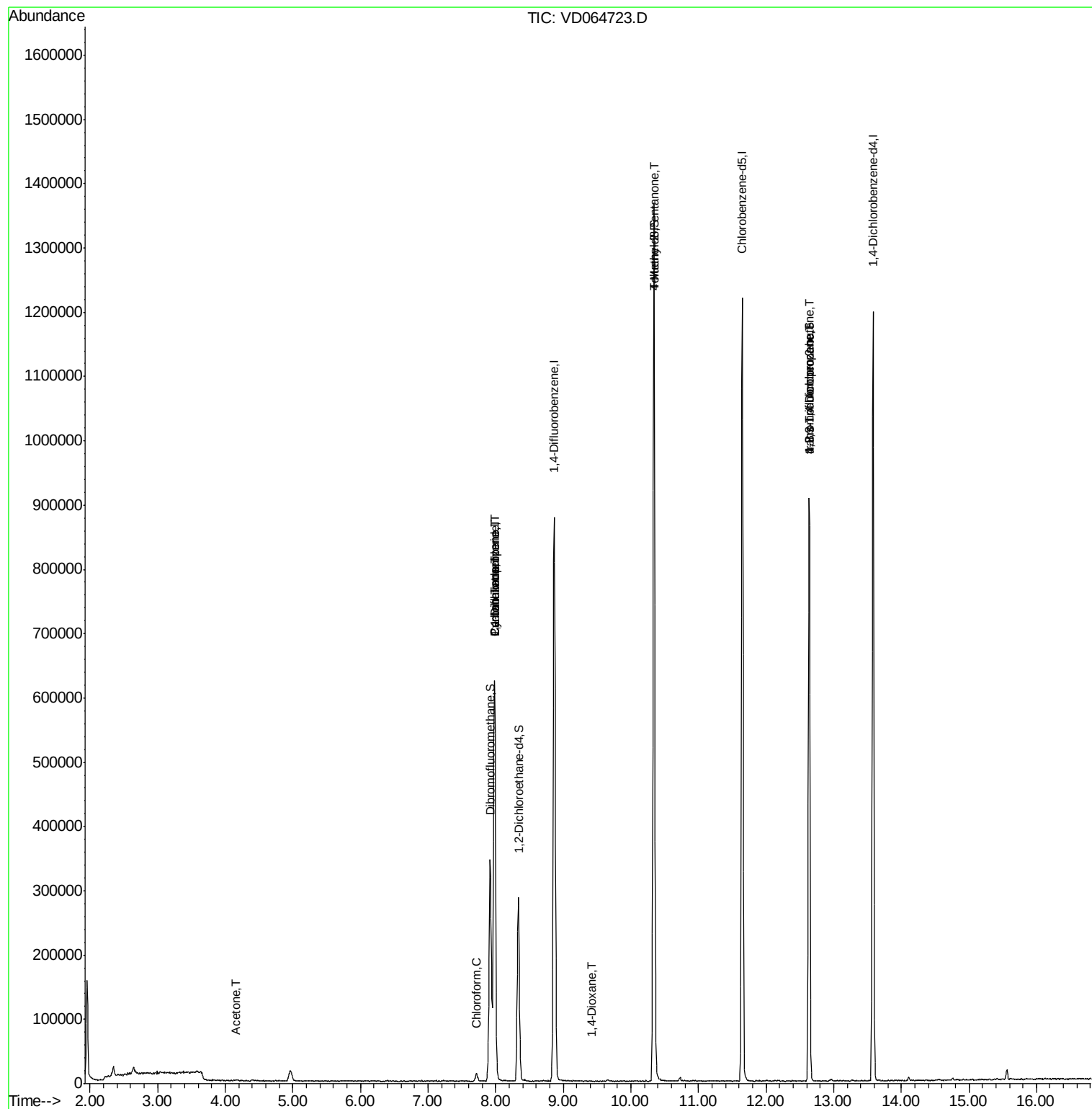
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	492987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	769008	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	680310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311454	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	229822	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
35) Dibromofluoromethane	7.92	113	236328	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	10.34	98	912613	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.64	95	273996	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
Target Compounds						
					Qvalue	
16) Acetone	4.16	43	2941	7.017	ug/l	99
20) Methylene Chloride	4.96	84	13434	Below Cal	#	78
30) Chloroform	7.71	83	10733	1.263	ug/l	93
31) Cyclohexane	7.98	56	10933	1.349	ug/l #	20
36) 1,1-Dichloropropene	7.98	75	35974	4.860	ug/l #	49
38) Carbon Tetrachloride	7.98	117	47894	6.068	ug/l #	16
49) 1,4-Dioxane	9.42	88	60	1.935	ug/l #	12
51) 4-Methyl-2-Pentanone	10.34	43	4463	1.560	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	145850	59.302	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	145850	124.029	ug/l #	10

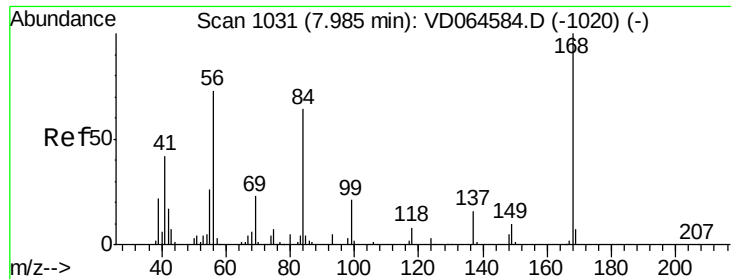
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleID :
GP-4-(3-5)

Quant Time: Jan 03 00:25:45 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# 1031

Delta R.T. 0.00 min

Lab File: VD064723.D

Acq: 02 Jan 2020 17:55

Instrument :

MSVOA_D

ClientSampleId :

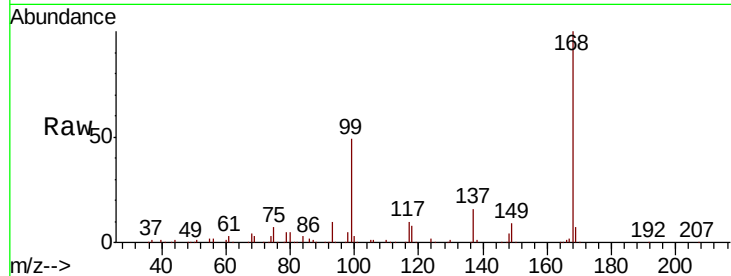
GP-4-(3-5)

Tot Ion:168 Resp: 492987

Ion Ratio Lower Upper

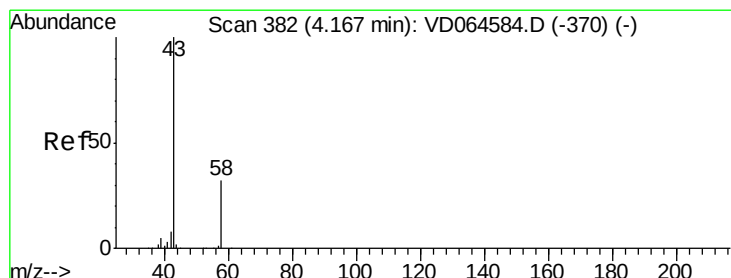
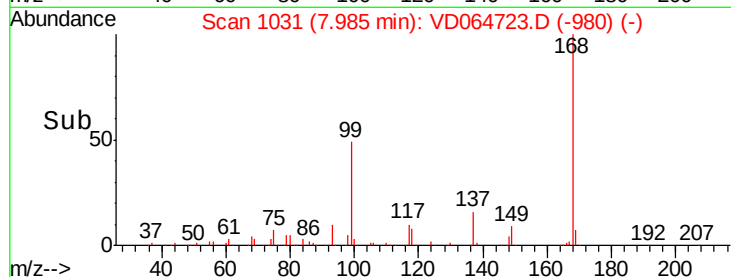
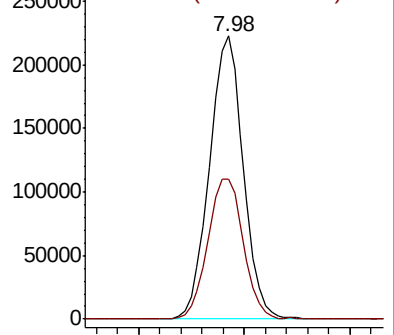
168 100

99 49.4 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: 7.017 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD064723.D

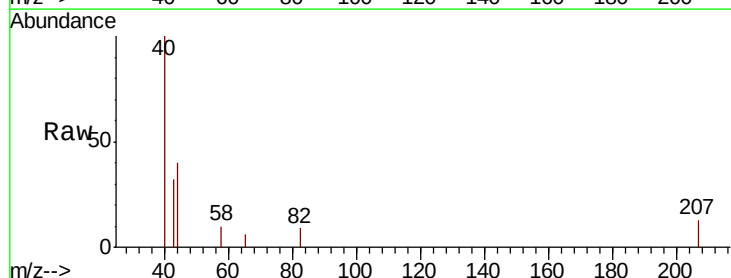
Acq: 02 Jan 2020 17:55

Tgt Ion: 43 Resp: 2941

Ion Ratio Lower Upper

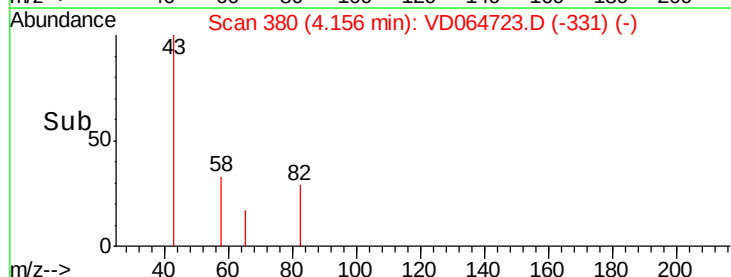
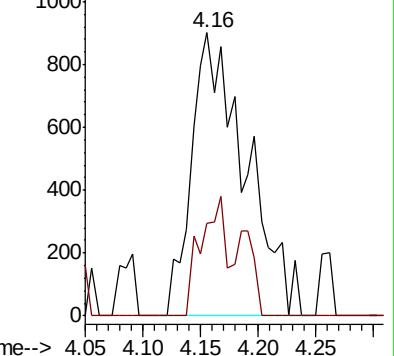
43 100

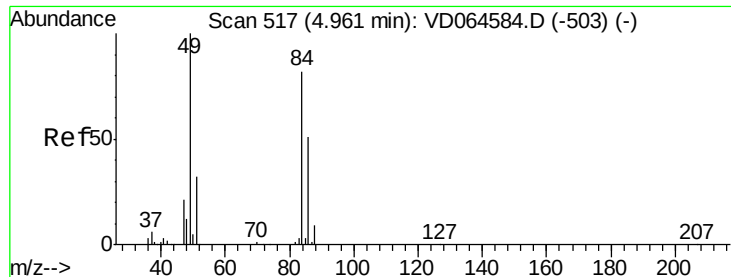
58 32.9 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

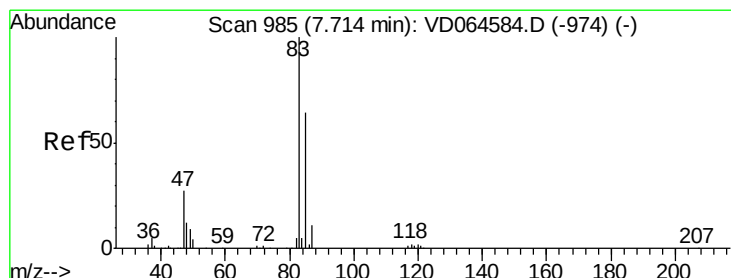
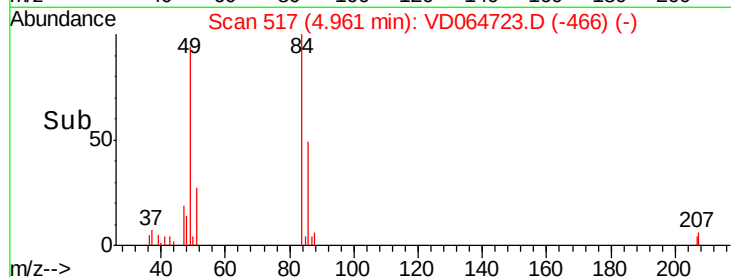
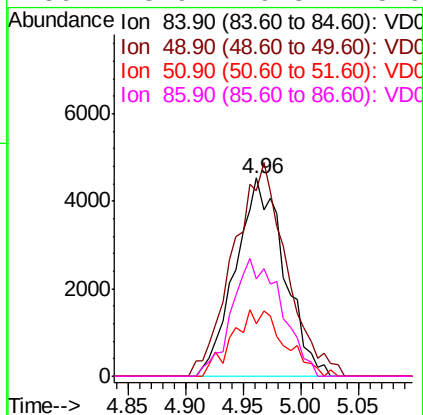
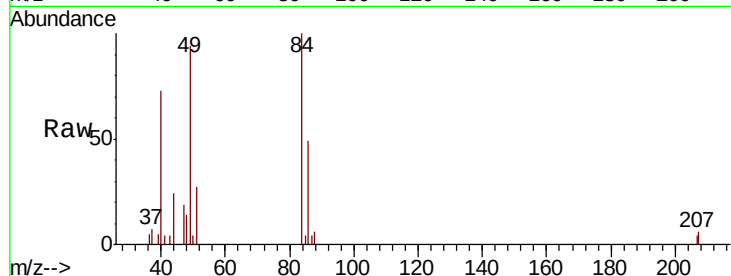




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064723.D
Acq: 02 Jan 2020 17:55

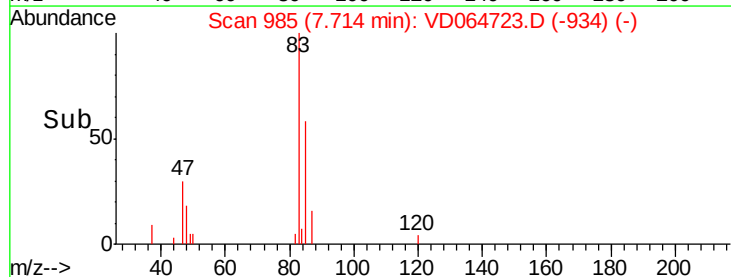
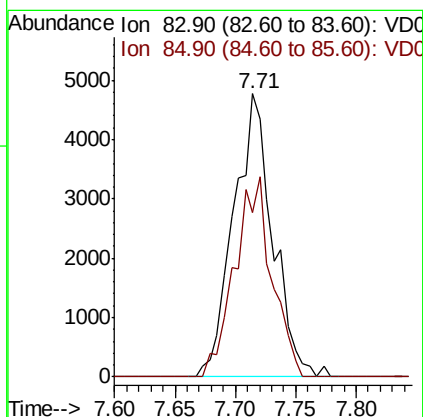
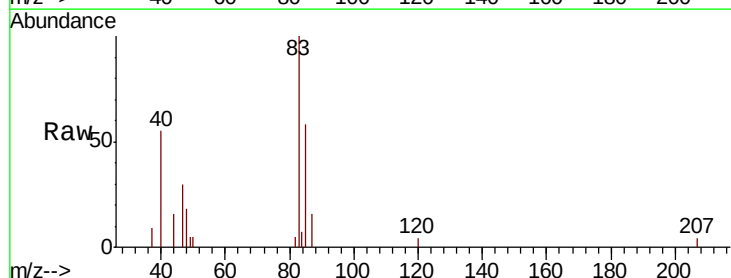
Instrument :
MSVOA_D
ClientSampleId :
GP-4-(3-5)

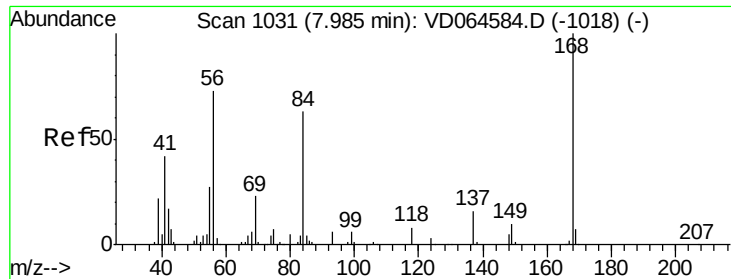
Tot Ion: 84 Resp: 13434
Ion Ratio Lower Upper
84 100
49 94.0 97.2 145.8#
51 26.7 31.4 47.0#
86 48.9 49.3 73.9#



#30
Chloroform
Concen: 1.263 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064723.D
Acq: 02 Jan 2020 17:55

Tgt Ion: 83 Resp: 10733
Ion Ratio Lower Upper
83 100
85 58.3 51.1 76.7

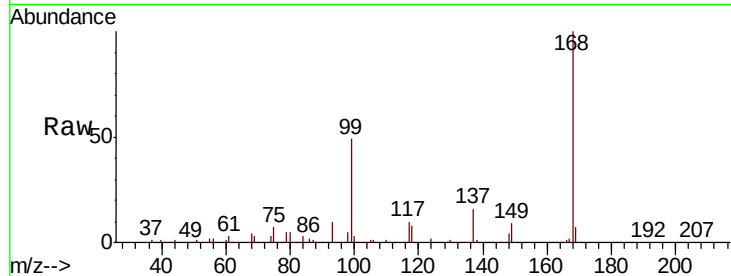




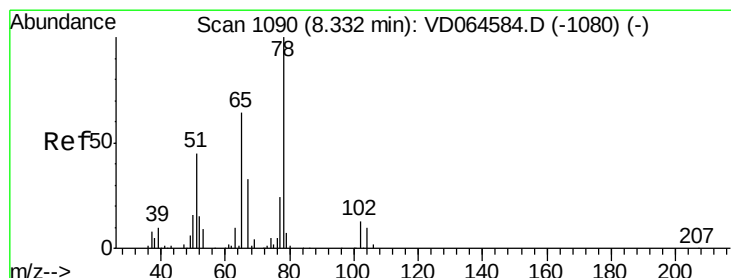
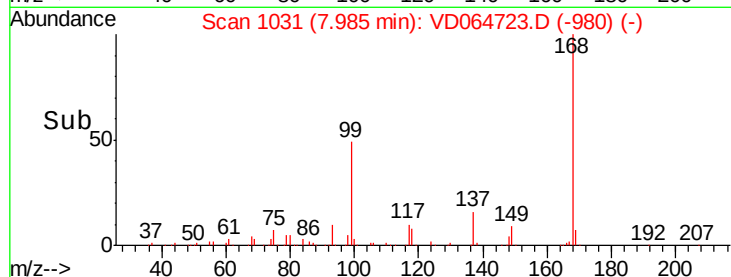
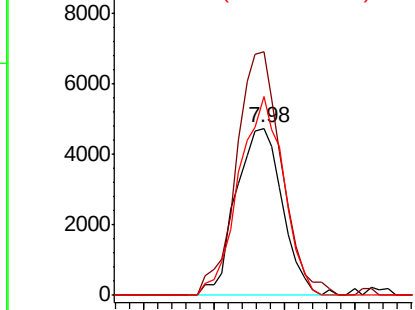
#31
Cyclohexane
Concen: 1.349 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064723.D
Acq: 02 Jan 2020 17:55

Instrument :
MSVOA_D
ClientSampleId :
GP-4-(3-5)

Tot Ion: 56 Resp: 10933
Ion Ratio Lower Upper
56 100
69 145.6 24.7 37.1#
84 118.6 69.4 104.2#

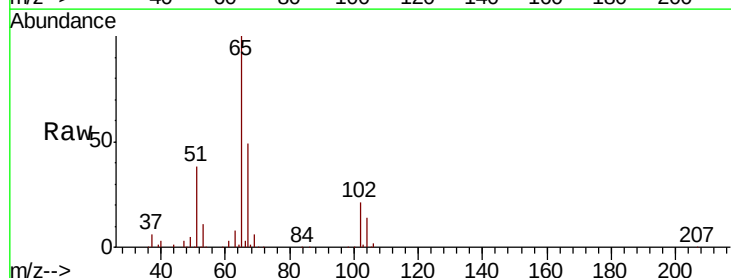


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

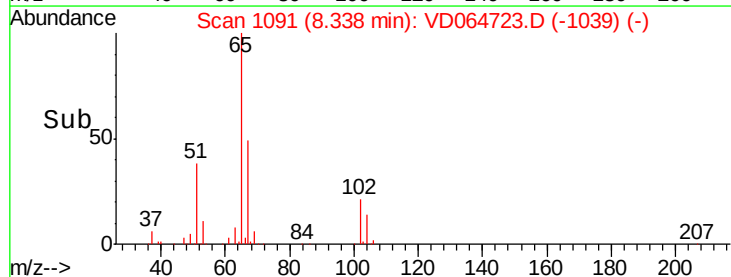
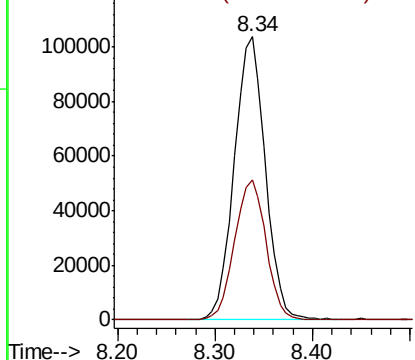


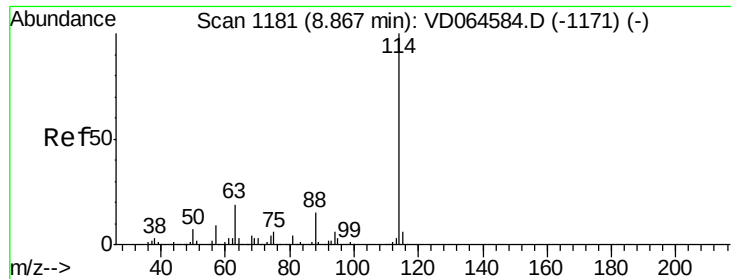
#33
1,2-Dichloroethane-d4
Concen: 52.868 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064723.D
Acq: 02 Jan 2020 17:55

Tgt Ion: 65 Resp: 229822
Ion Ratio Lower Upper
65 100
67 50.2 0.0 106.2



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

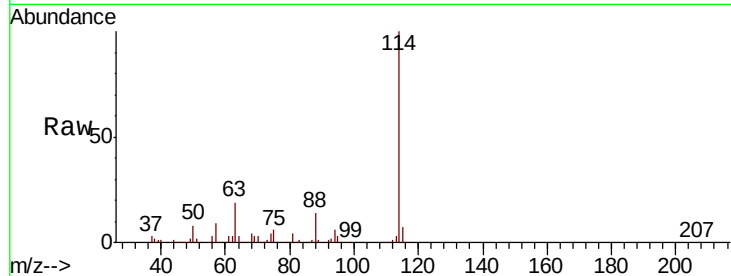




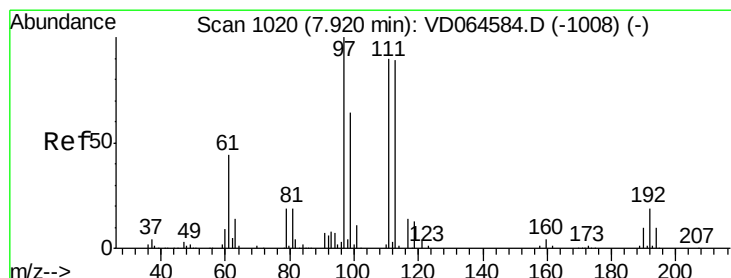
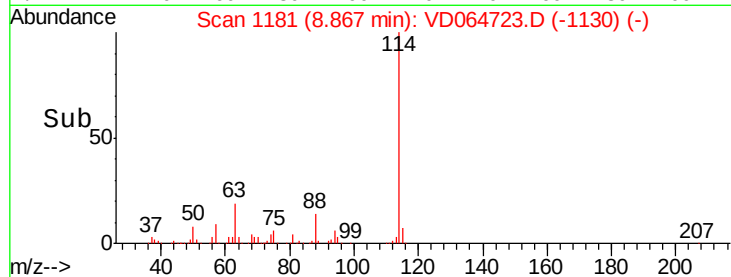
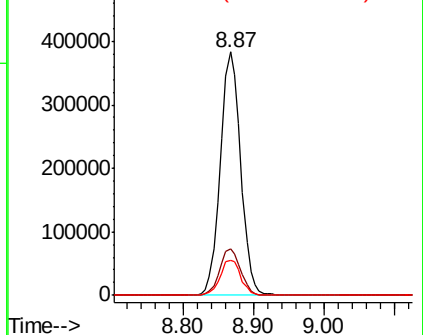
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064723.D
 Acq: 02 Jan 2020 17:55

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-4-(3-5)

Tot Ion:114 Resp: 769008
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.0
 88 14.1 0.0 29.2

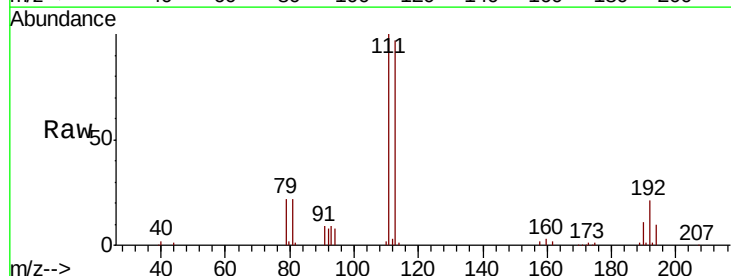


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

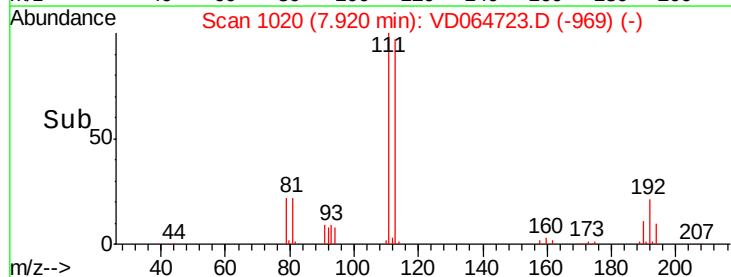
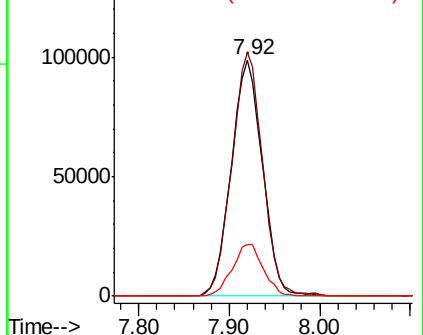


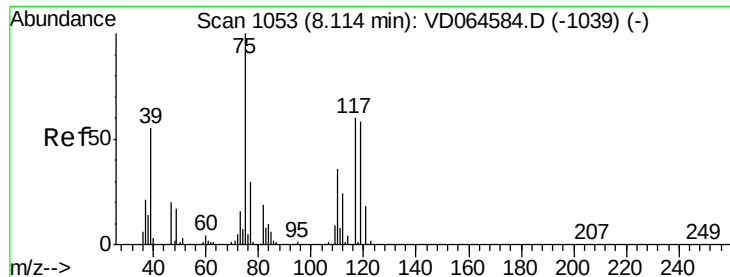
#35
 Dibromofluoromethane
 Concen: 50.091 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064723.D
 Acq: 02 Jan 2020 17:55

Tgt Ion:113 Resp: 236328
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.6 121.0
 192 21.9 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: 4.860 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD064723.D

Acq: 02 Jan 2020 17:55

Instrument :

MSVOA_D

ClientSampleId :

GP-4-(3-5)

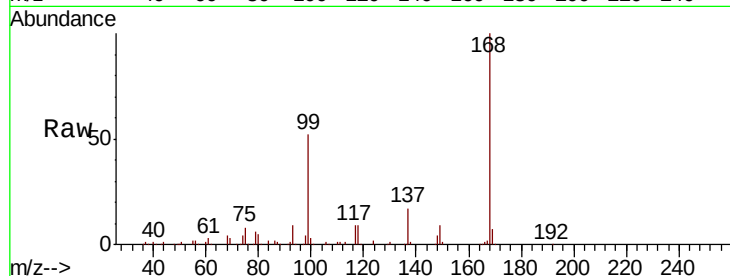
Tot Ion: 75 Resp: 35974

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.1#

77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VD064723.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD064723.D (-999) (-)

Ion 76.90 (76.60 to 77.60): VD064723.D (-999) (-)

7.98

15000

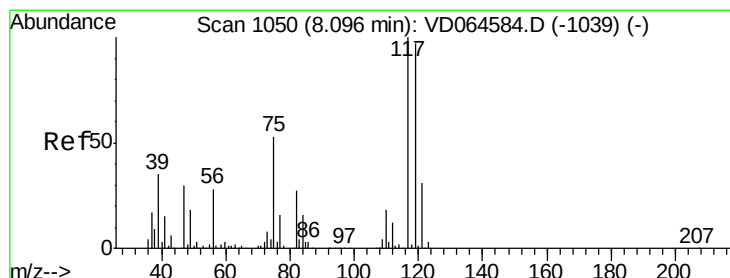
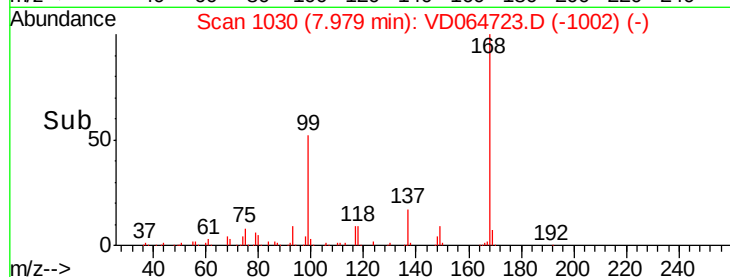
10000

5000

0

7.90 7.95 8.00 8.05

Time-->



#38

Carbon Tetrachloride

Concen: 6.068 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064723.D

Acq: 02 Jan 2020 17:55

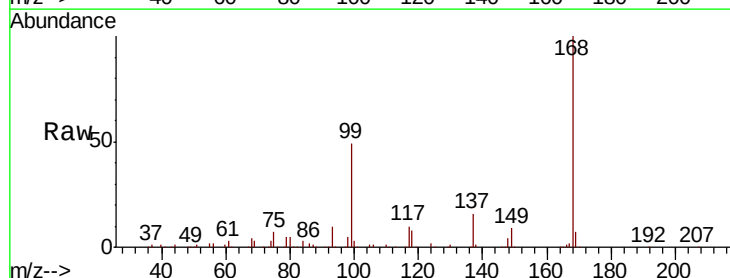
Tgt Ion: 117 Resp: 47894

Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): VD064723.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD064723.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD064723.D (-999) (-)

7.98

30000

25000

20000

15000

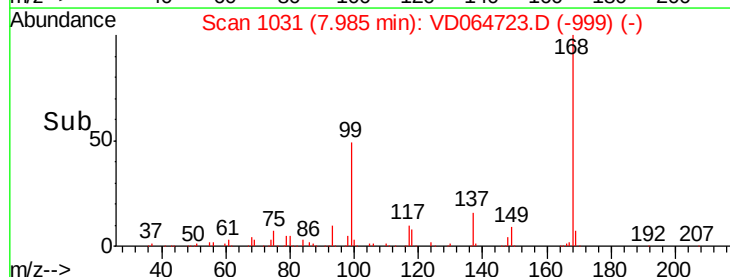
10000

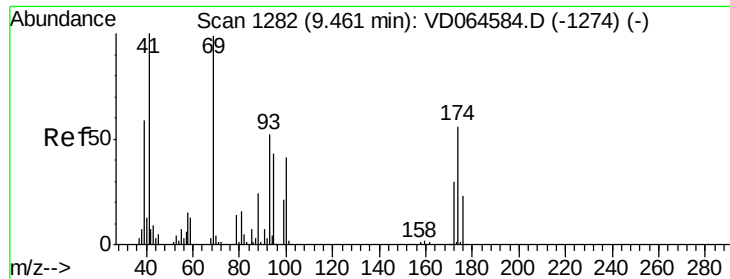
5000

0

7.90 7.95 8.00 8.05

Time-->





#49

1,4-Dioxane

Concen: 1.935 ug/l

RT: 9.42 min Scan# 1275

Delta R.T. -0.04 min

Lab File: VD064723.D

Acq: 02 Jan 2020 17:55

Instrument :

MSVOA_D

ClientSampleId :

GP-4-(3-5)

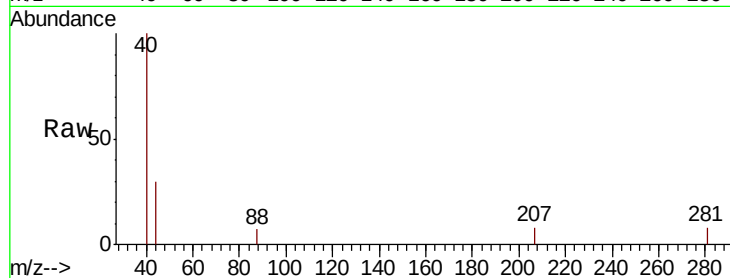
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 90.0 27.7 41.5#

58 0.0 53.8 80.6#

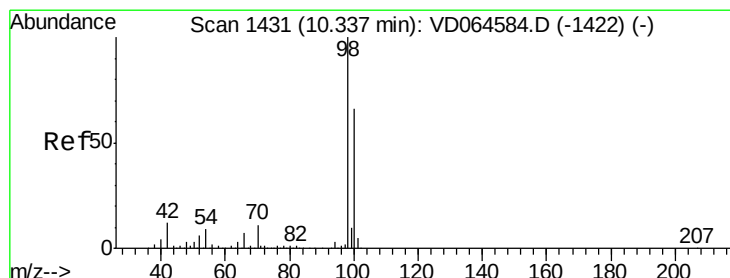
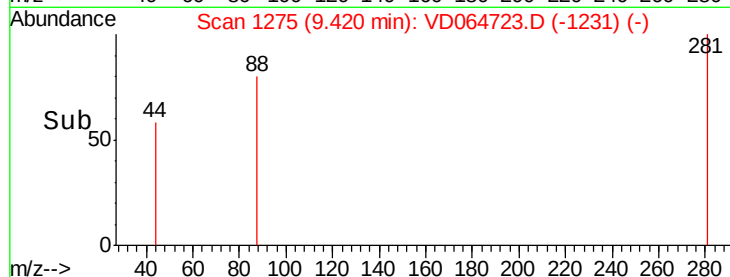
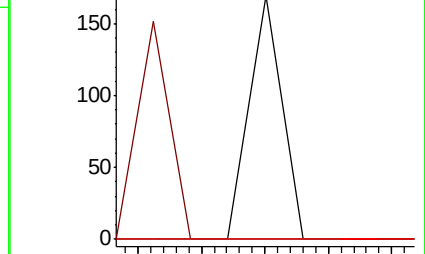


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

9.42



#50

Toluene-d8

Concen: 50.506 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064723.D

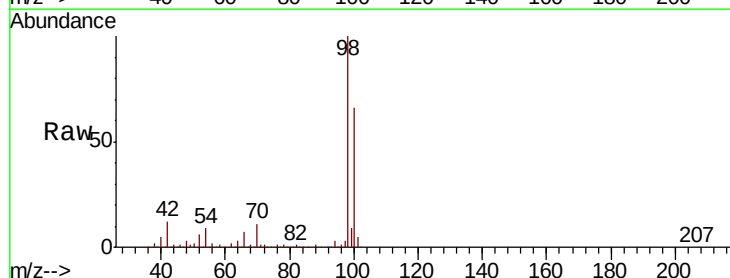
Acq: 02 Jan 2020 17:55

Tgt Ion: 98 Resp: 912613

Ion Ratio Lower Upper

98 100

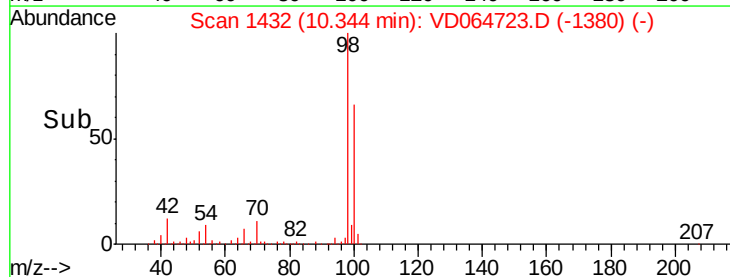
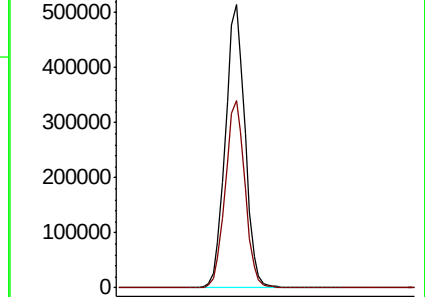
100 66.2 51.7 77.5

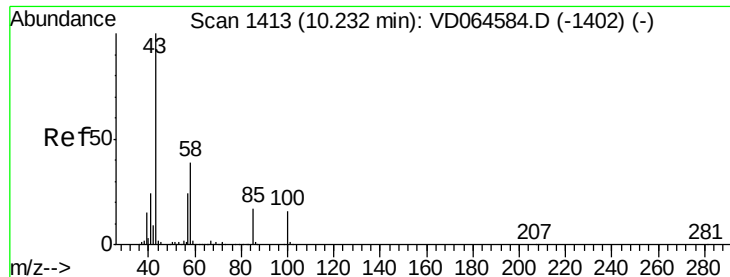


Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34





#51

4-Methyl-2-Pentanone

Concen: 1.560 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD064723.D

Acq: 02 Jan 2020 17:55

Instrument :

MSVOA_D

ClientSampleId :

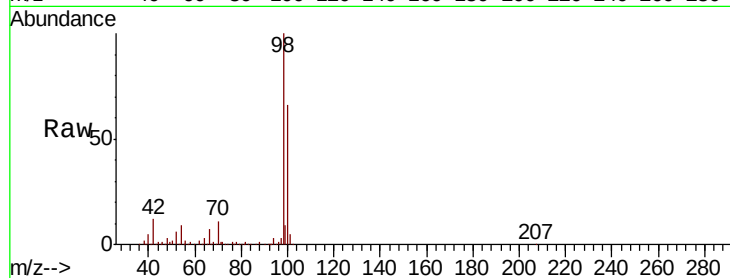
GP-4-(3-5)

Tot Ion: 43 Resp: 4463

Ion Ratio Lower Upper

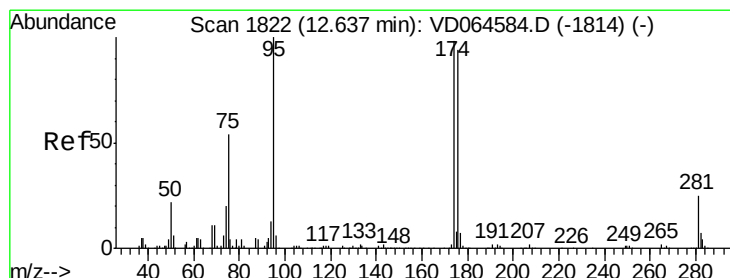
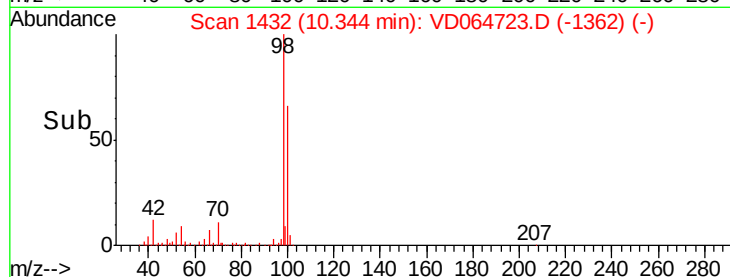
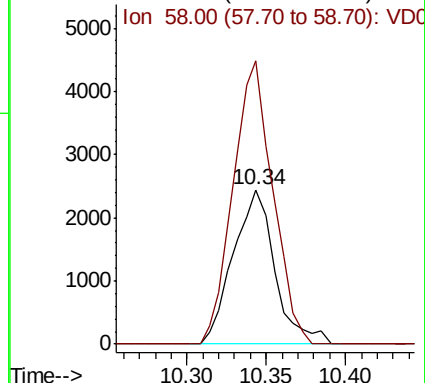
43 100

58 174.6 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 47.954 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064723.D

Acq: 02 Jan 2020 17:55

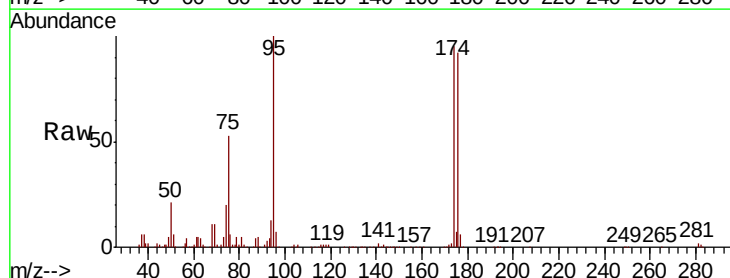
Tgt Ion: 95 Resp: 273996

Ion Ratio Lower Upper

95 100

174 96.0 0.0 193.2

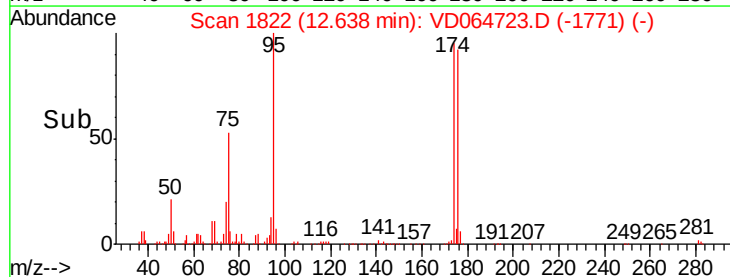
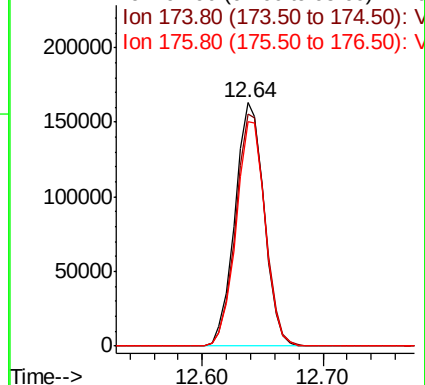
176 92.1 0.0 184.2

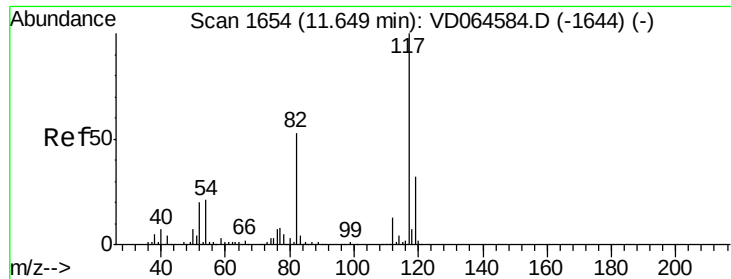


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

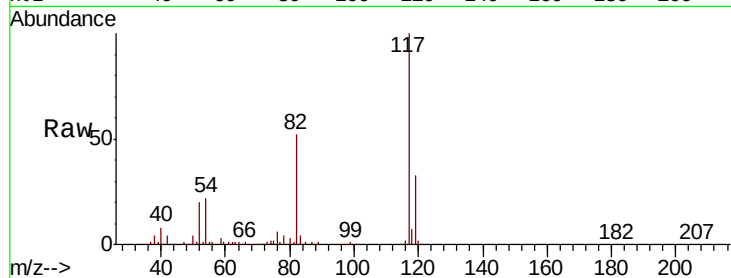




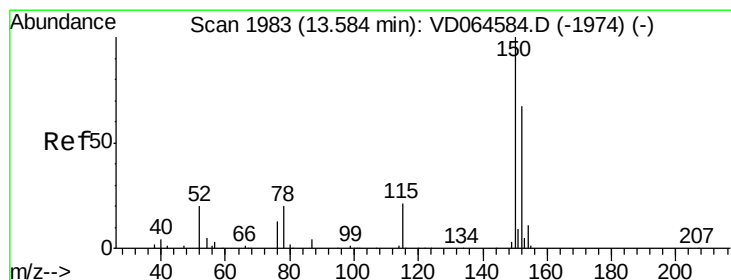
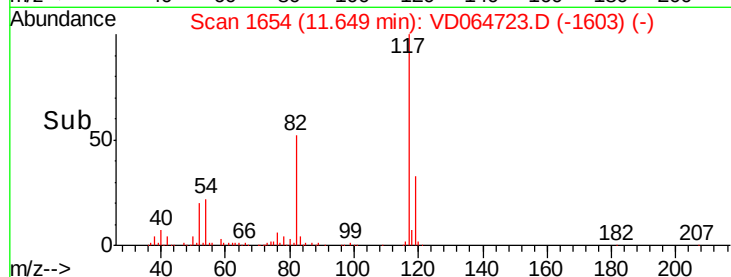
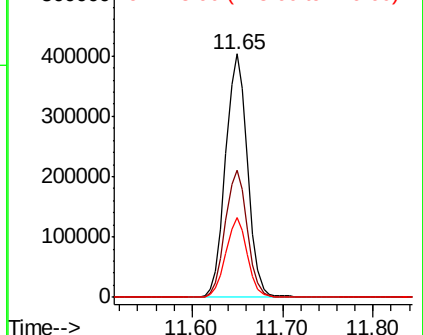
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064723.D
Acq: 02 Jan 2020 17:55

Instrument :
MSVOA_D
ClientSampleId :
GP-4-(3-5)

Tot Ion:117 Resp: 680310
Ion Ratio Lower Upper
117 100
82 52.2 42.2 63.4
119 33.0 26.0 39.0

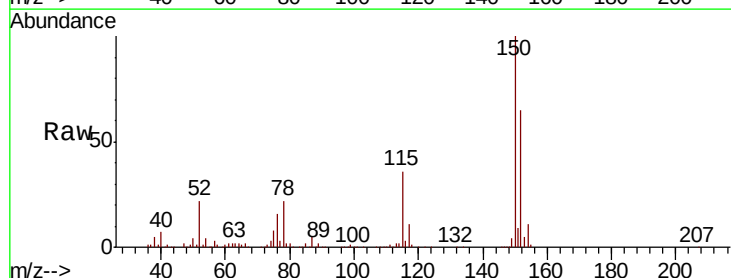


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

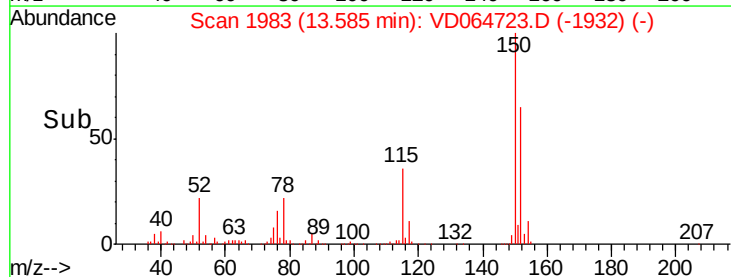
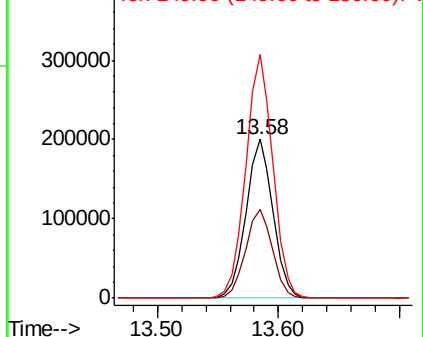


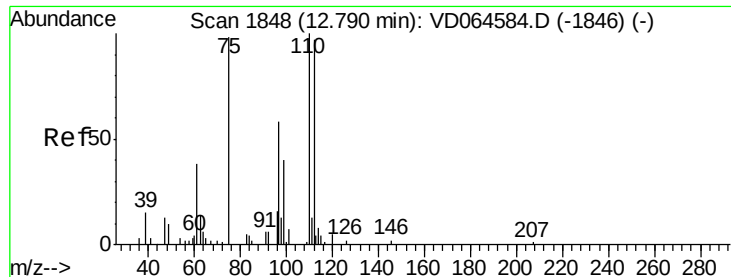
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064723.D
Acq: 02 Jan 2020 17:55

Tgt Ion:152 Resp: 311454
Ion Ratio Lower Upper
152 100
115 55.9 27.8 83.4
150 154.3 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: 59.302 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064723.D

Acq: 02 Jan 2020 17:55

Instrument :

MSVOA_D

ClientSampleId :

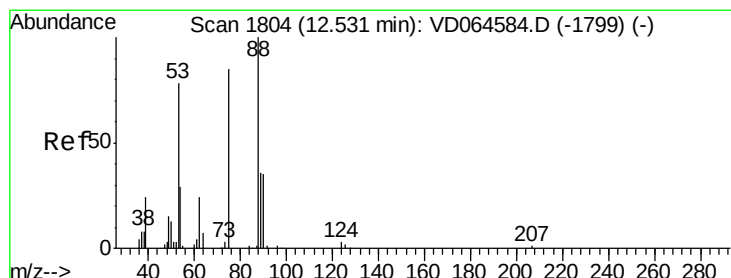
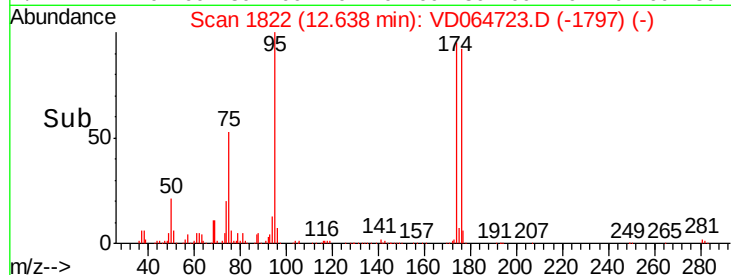
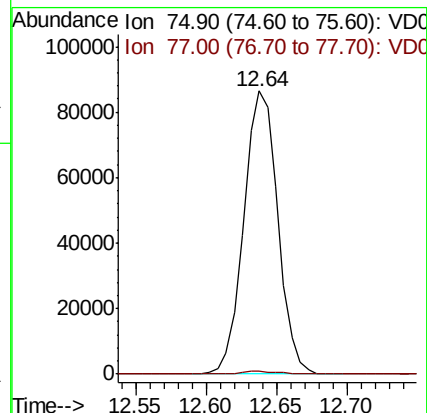
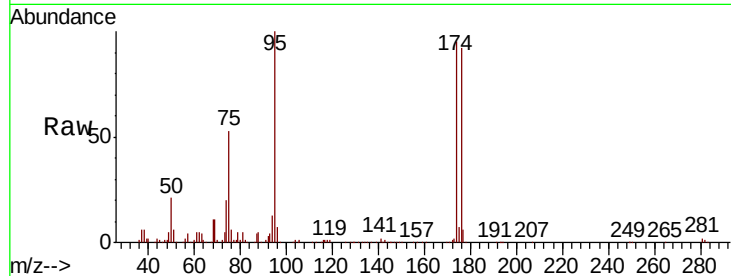
GP-4-(3-5)

Tot Ion: 75 Resp: 145850

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.029 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064723.D

Acq: 02 Jan 2020 17:55

Tgt Ion: 75 Resp: 145850

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.2 38.3 57.5#

