

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064641.D
 Acq On : 27 Dec 2019 13:28
 Operator : VA/SY
 Sample : K6437-08RE
 Misc : 3.79G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-5-(6-8)

Quant Time: Dec 30 00:58:09 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	456309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	672385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	618430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313097	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	229087	56.93	ug/l	0.00
Spiked Amount			Recovery	=	113.86%	
35) Dibromofluoromethane	7.92	113	209672	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
50) Toluene-d8	10.34	98	804280	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.64	95	270161	54.08	ug/l	0.00
Spiked Amount			Recovery	=	108.16%	

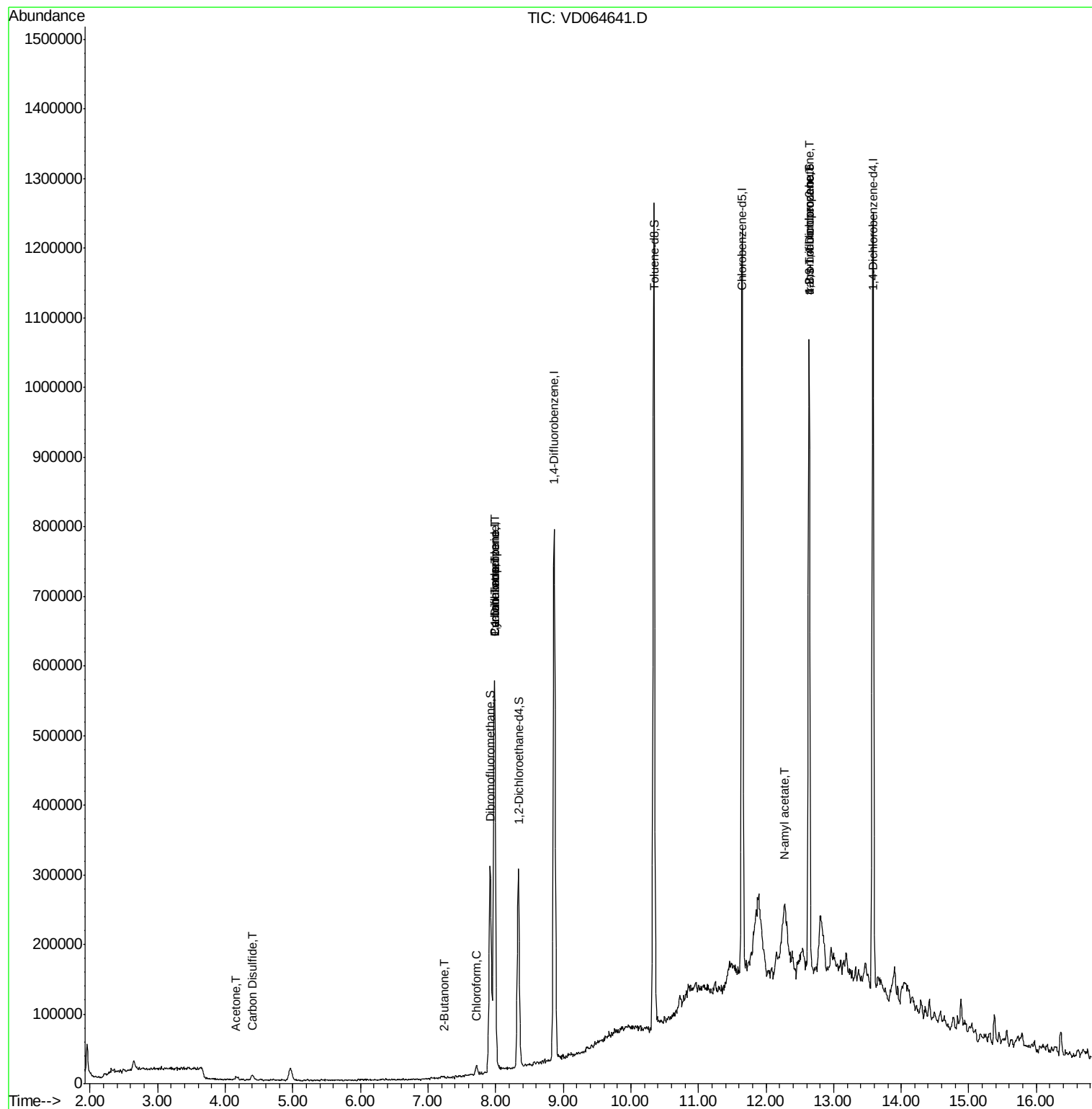
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	7270	11.748	ug/l	91
17) Carbon Disulfide	4.40	76	15742	1.213	ug/l	96
20) Methylene Chloride	4.97	84	13028	Below Cal		93
25) 2-Butanone	7.24	43	1538	1.391	ug/l #	49
30) Chloroform	7.71	83	11766	1.496	ug/l	92
31) Cyclohexane	7.98	56	10968	1.462	ug/l #	22
36) 1,1-Dichloropropene	7.98	75	31821	4.917	ug/l #	53
38) Carbon Tetrachloride	7.98	117	42037	6.092	ug/l #	14
74) N-amyl acetate	12.27	43	9291	1.943	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	145218	58.735	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	145218	122.843	ug/l #	10

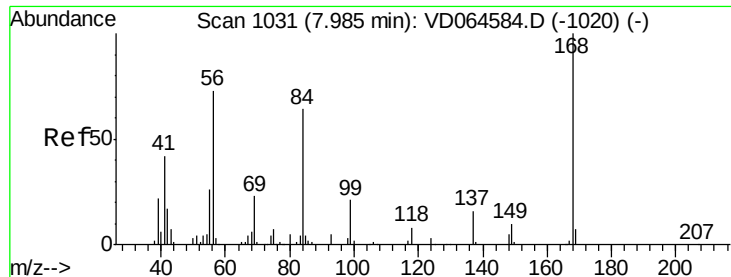
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064641.D

Acq: 27 Dec 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

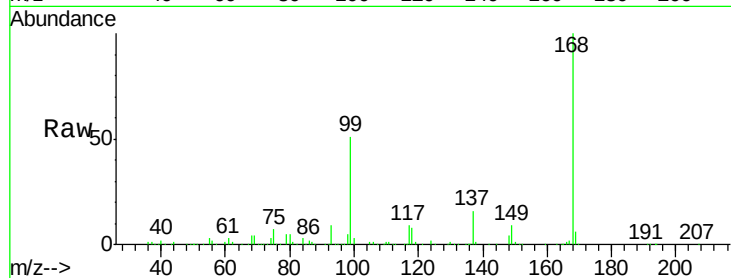
GP-5-(6-8)

Tgt Ion:168 Resp: 456309

Ion Ratio Lower Upper

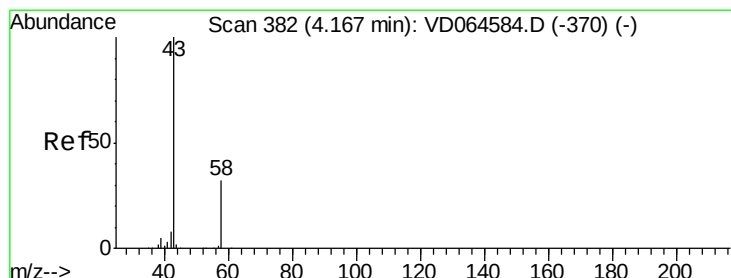
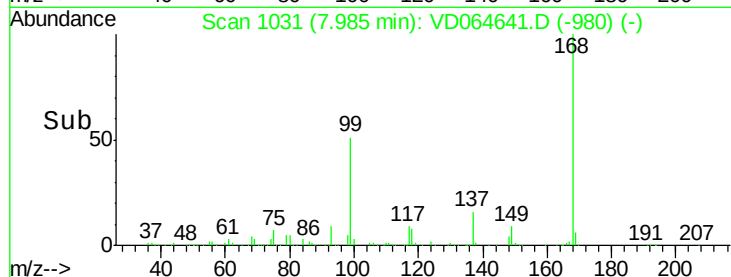
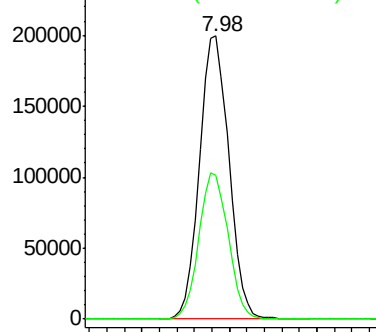
168 100

99 50.6 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: 11.748 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064641.D

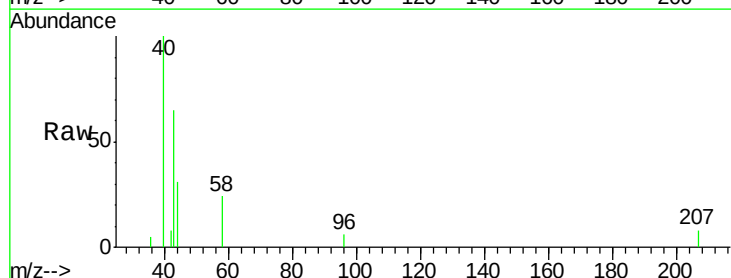
Acq: 27 Dec 2019 13:28

Tgt Ion: 43 Resp: 7270

Ion Ratio Lower Upper

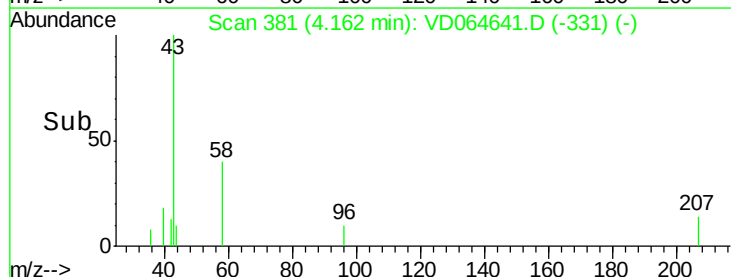
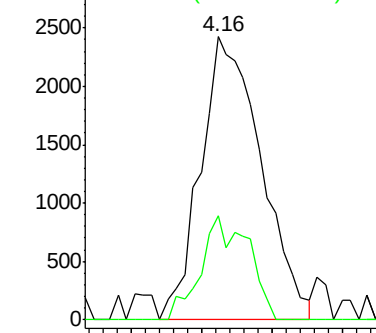
43 100

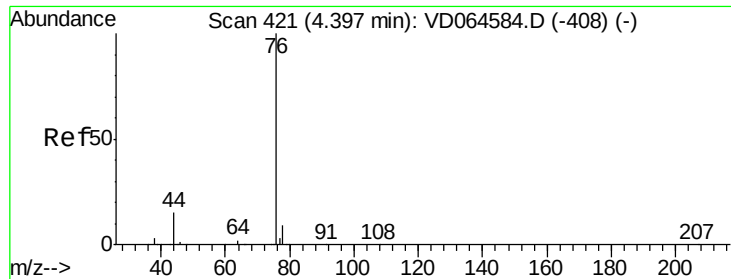
58 37.0 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

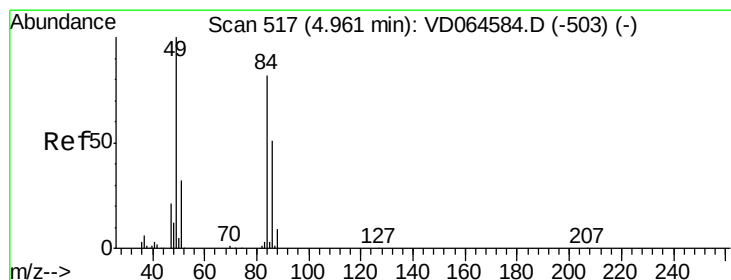
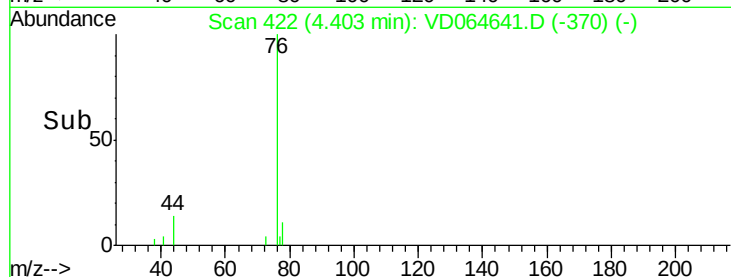
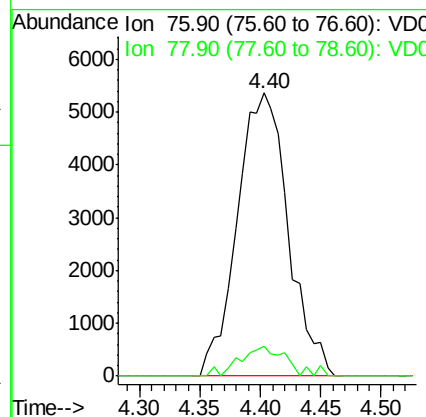
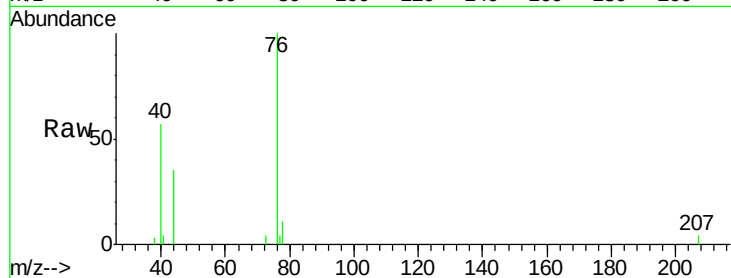




#17
Carbon Disulfide
Concen: 1.213 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064641.D
Acq: 27 Dec 2019 13:28

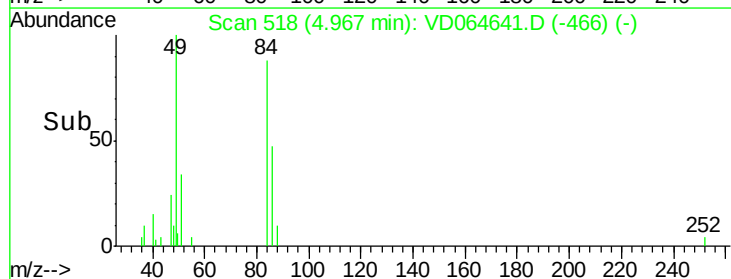
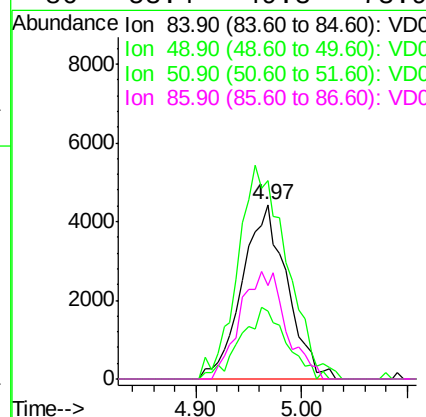
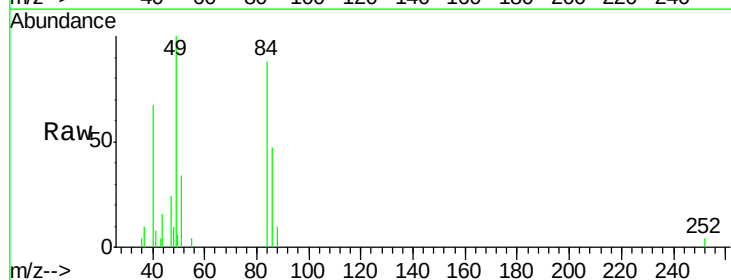
Instrument :
MSVOA_D
ClientSampleId :
GP-5-(6-8)

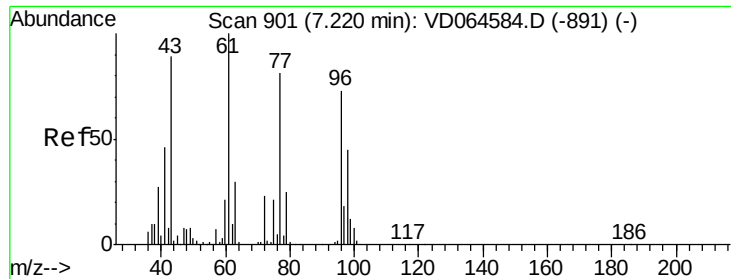
Tgt Ion: 76 Resp: 15742
Ion Ratio Lower Upper
76 100
78 10.5 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064641.D
Acq: 27 Dec 2019 13:28

Tgt Ion: 84 Resp: 13028
Ion Ratio Lower Upper
84 100
49 113.7 97.2 145.8
51 38.9 31.4 47.0
86 53.4 49.3 73.9





#25

2-Butanone

Concen: 1.391 ug/l

RT: 7.24 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD064641.D

Acq: 27 Dec 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

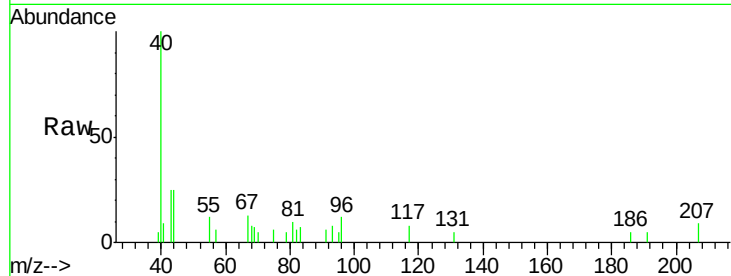
GP-5-(6-8)

Tgt Ion: 43 Resp: 1538

Ion Ratio Lower Upper

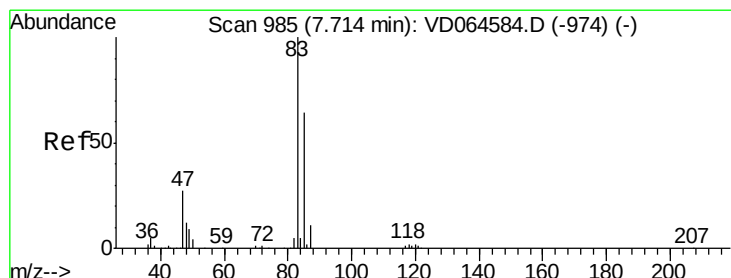
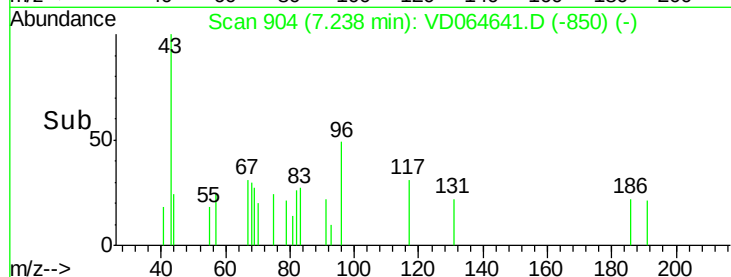
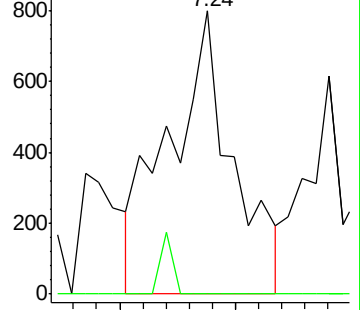
43 100

72 0.0 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: 1.496 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064641.D

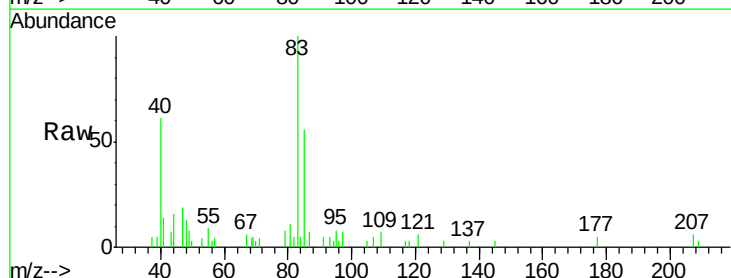
Acq: 27 Dec 2019 13:28

Tgt Ion: 83 Resp: 11766

Ion Ratio Lower Upper

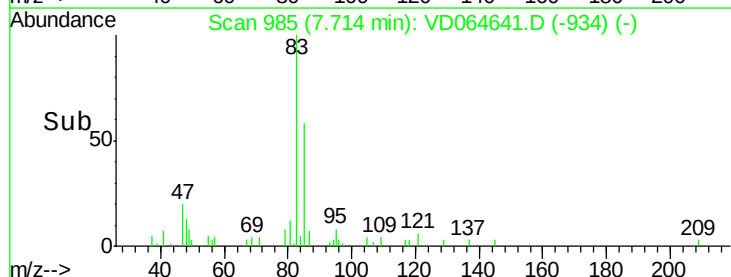
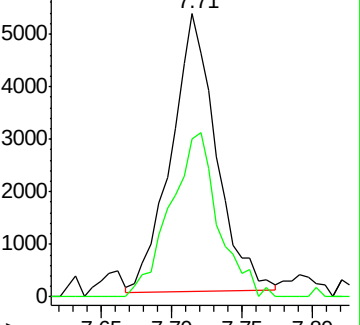
83 100

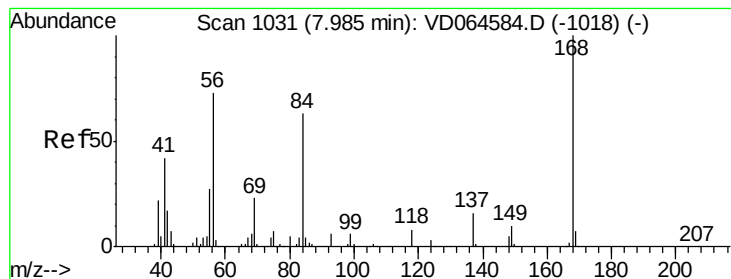
85 57.7 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 1.462 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064641.D

Acq: 27 Dec 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

GP-5-(6-8)

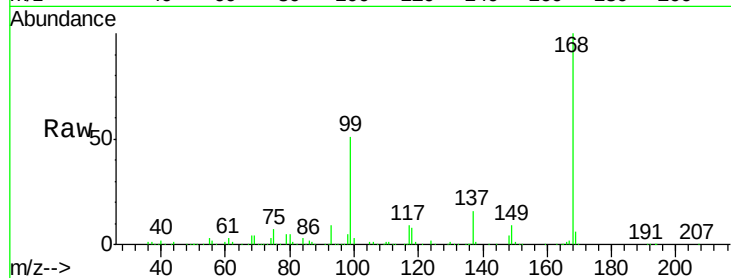
Tgt Ion: 56 Resp: 10968

Ion Ratio Lower Upper

56 100

69 143.1 24.7 37.1#

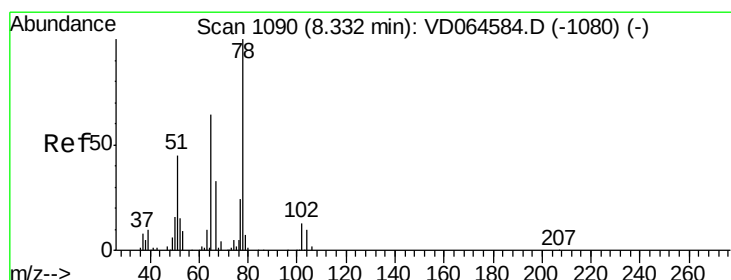
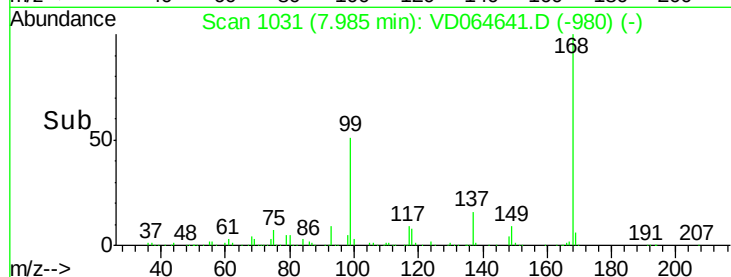
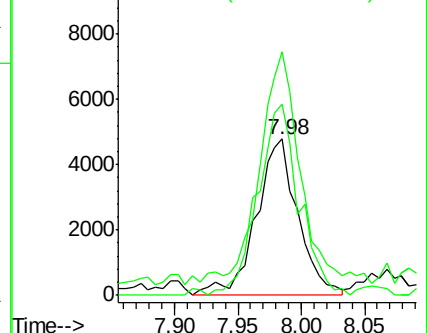
84 117.7 69.4 104.2#



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: 56.935 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064641.D

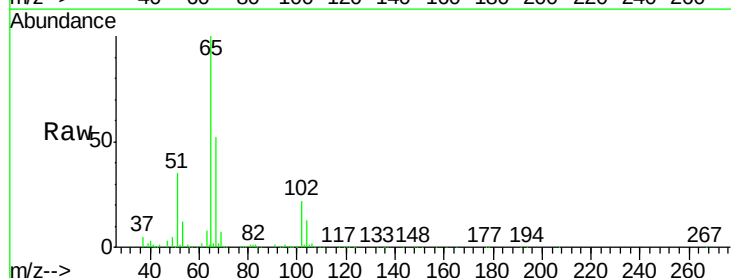
Acq: 27 Dec 2019 13:28

Tgt Ion: 65 Resp: 229087

Ion Ratio Lower Upper

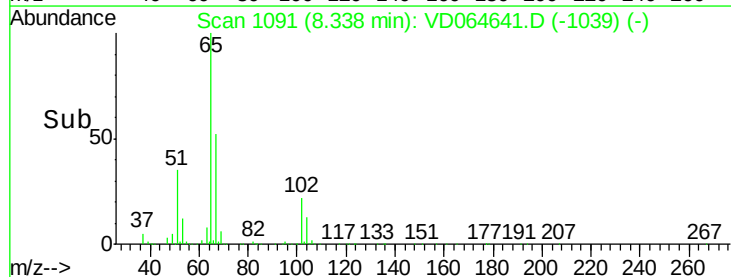
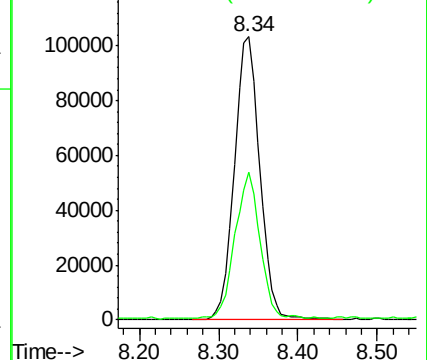
65 100

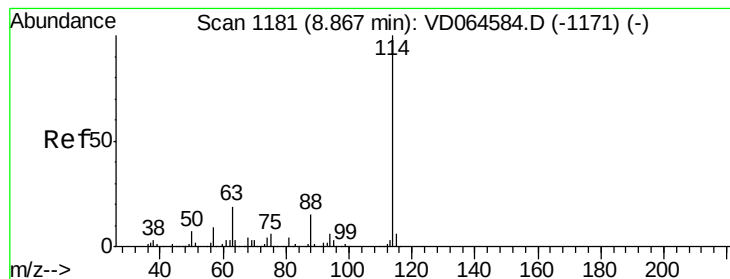
67 51.2 0.0 106.2



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: VD064641.D

Acq: 27 Dec 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

GP-5-(6-8)

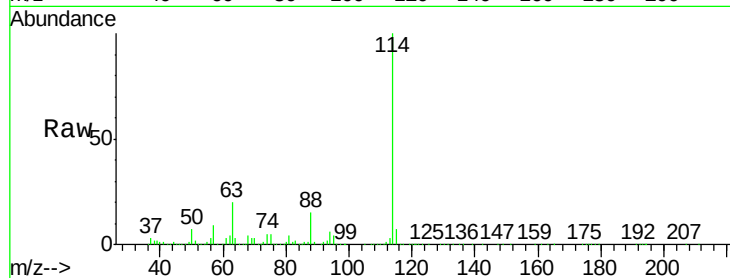
Tgt Ion:114 Resp: 672385

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.0

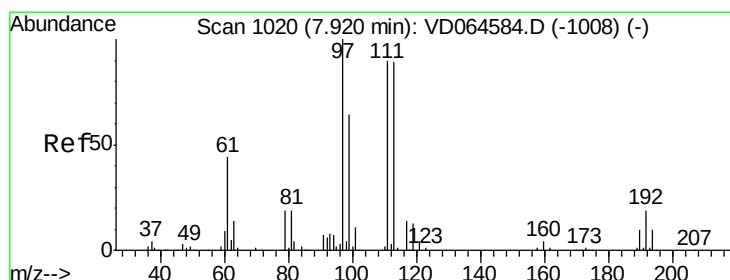
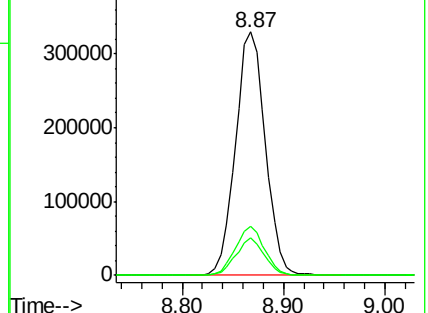
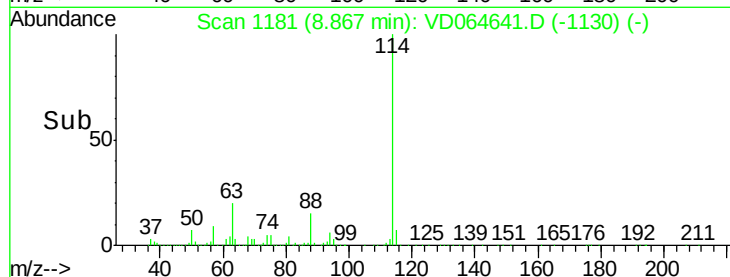
88 15.2 0.0 29.2



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: 50.827 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064641.D

Acq: 27 Dec 2019 13:28

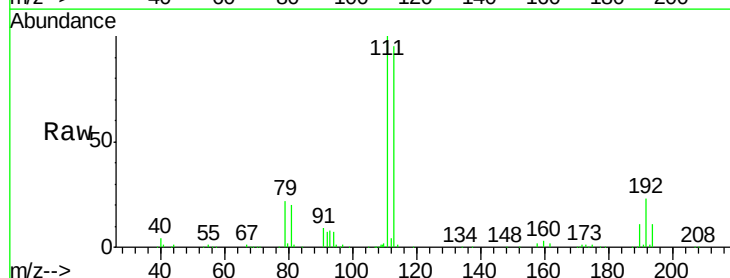
Tgt Ion:113 Resp: 209672

Ion Ratio Lower Upper

113 100

111 101.8 80.6 121.0

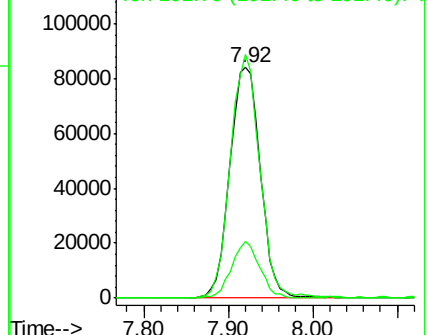
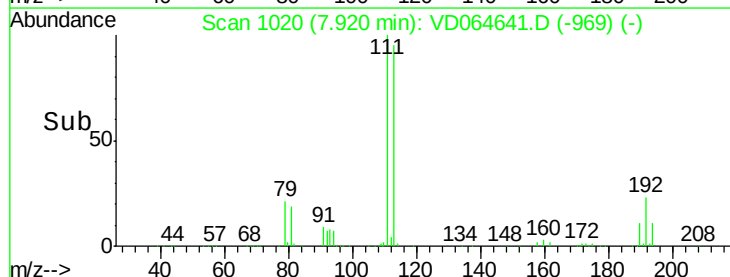
192 22.7 17.9 26.9

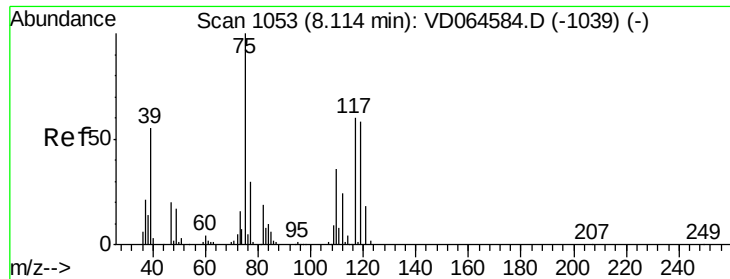


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.917 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064641.D

Acq: 27 Dec 2019 13:28

Instrument :

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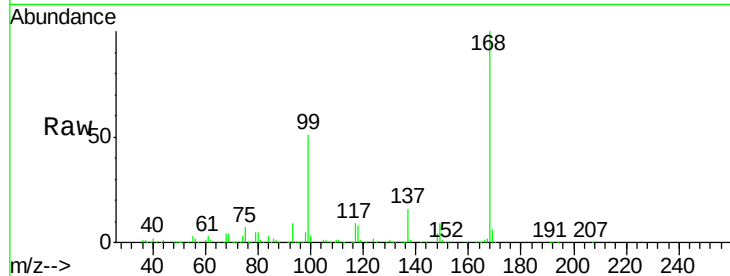
Tgt Ion: 75 Resp: 31821

Ion Ratio Lower Upper

75 100

110 11.6 18.1 54.1#

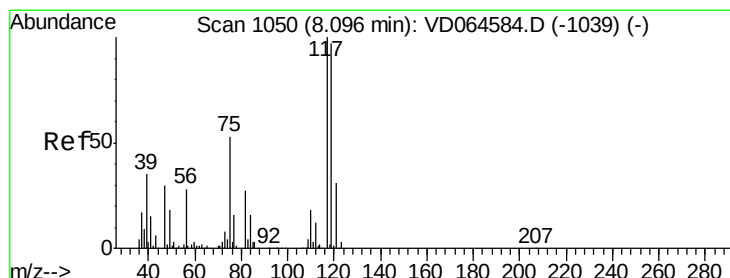
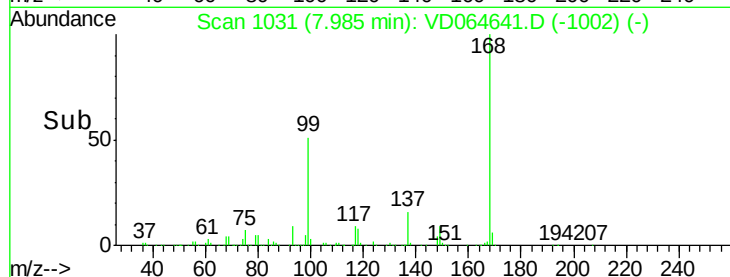
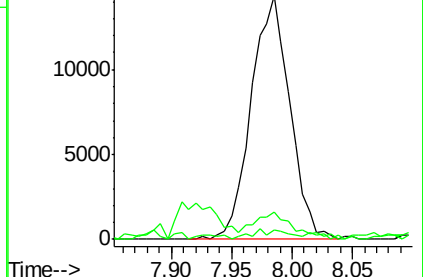
77 1.7 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VD064584.D (-1039) (-)

Ion 109.90 (109.60 to 110.60): VD064584.D (-1039) (-)

Ion 76.90 (76.60 to 77.60): VD064584.D (-1039) (-)



#38

Carbon Tetrachloride

Concen: 6.092 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064641.D

Acq: 27 Dec 2019 13:28

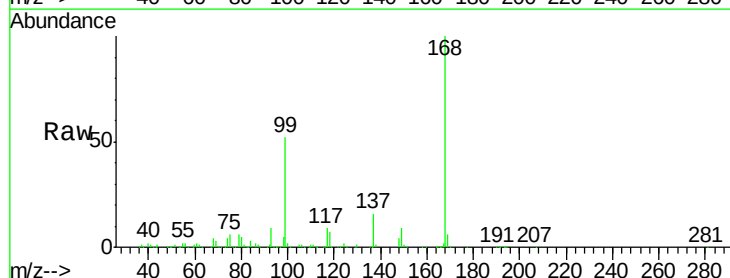
Tgt Ion: 117 Resp: 42037

Ion Ratio Lower Upper

117 100

119 2.1 77.3 115.9#

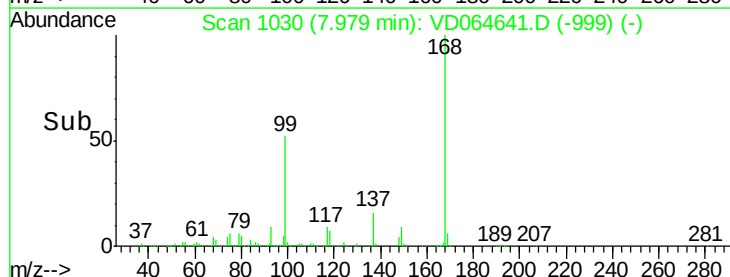
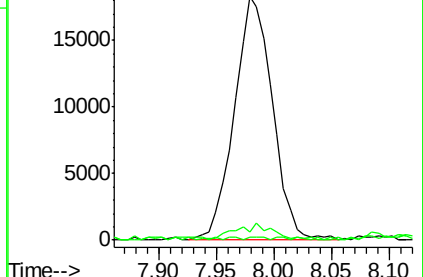
121 1.2 25.0 37.6#

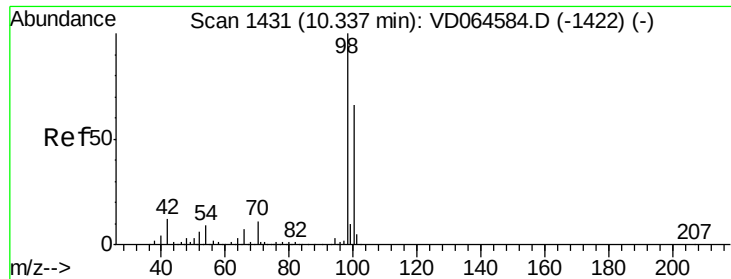


Abundance Ion 116.80 (116.50 to 117.50): VD064584.D (-1039) (-)

Ion 118.80 (118.50 to 119.50): VD064584.D (-1039) (-)

Ion 120.80 (120.50 to 121.50): VD064584.D (-1039) (-)

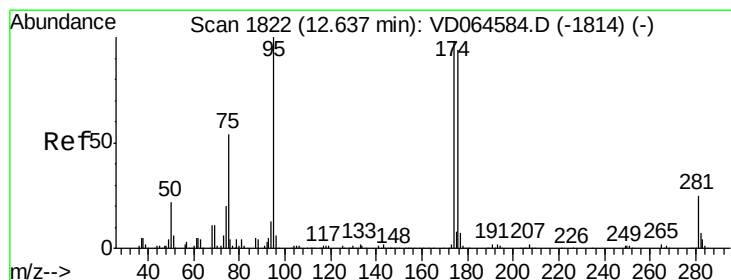
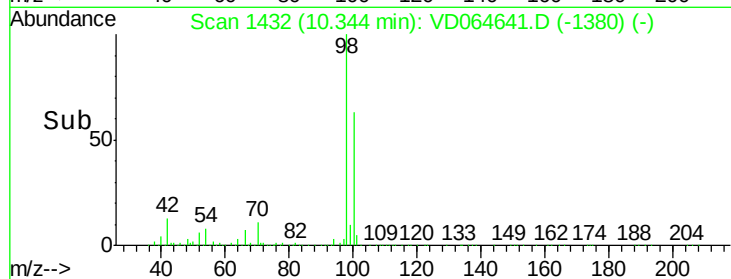
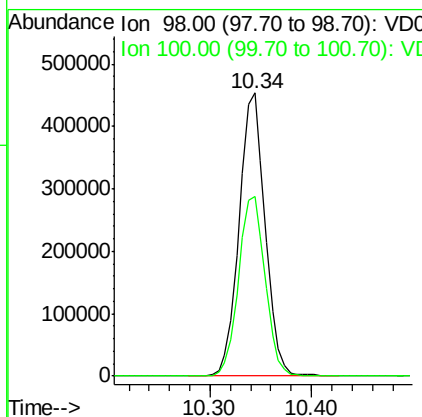
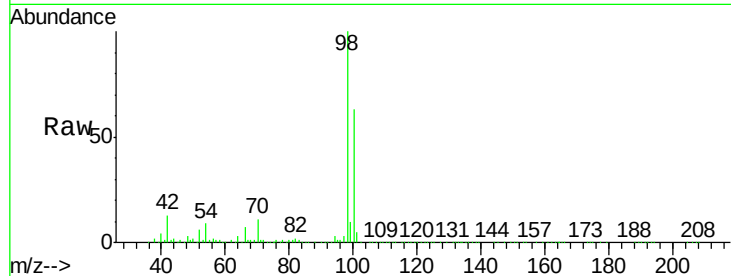




#50
Toluene-d8
Concen: 50.907 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064641.D
Acq: 27 Dec 2019 13:28

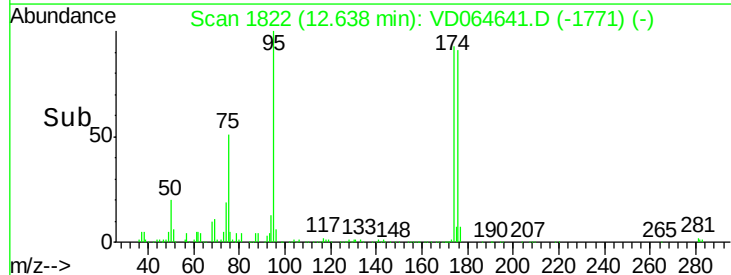
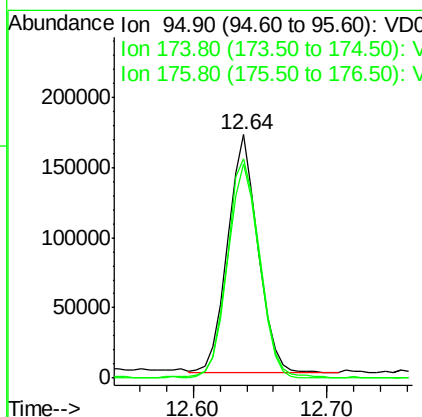
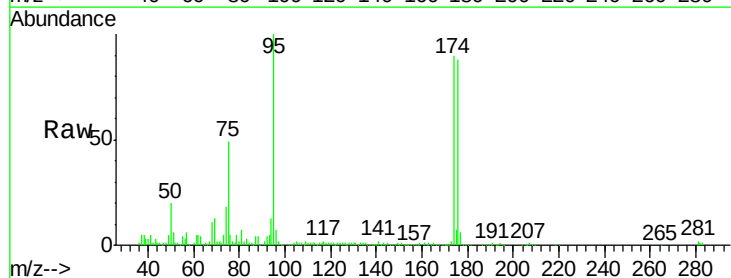
Instrument :
MSVOA_D
ClientSampleId :
GP-5-(6-8)

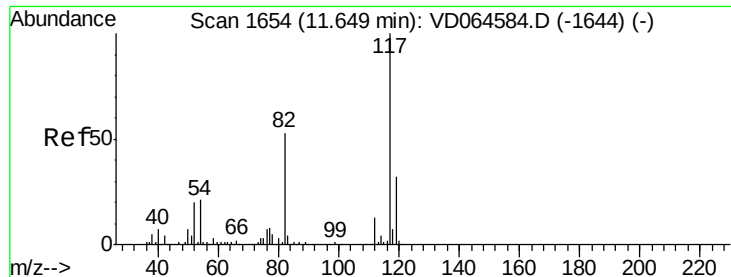
Tgt Ion: 98 Resp: 804280
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 54.077 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064641.D
Acq: 27 Dec 2019 13:28

Tgt Ion: 95 Resp: 270161
Ion Ratio Lower Upper
95 100
174 99.7 0.0 193.2
176 93.5 0.0 184.2

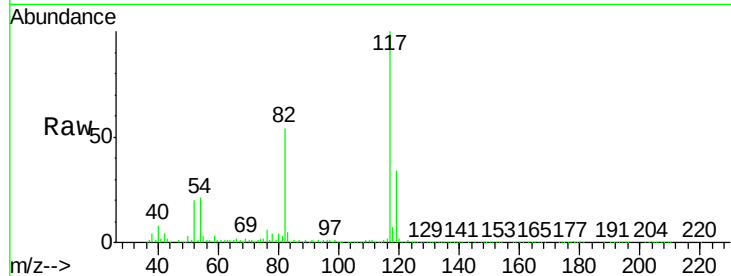




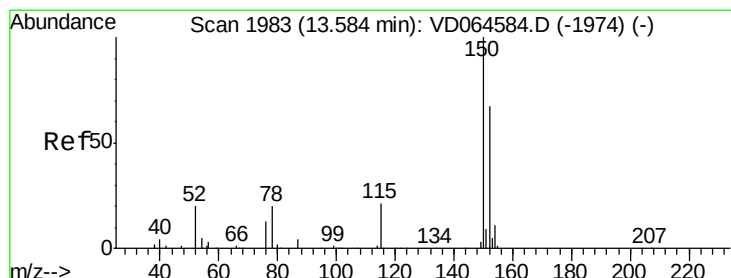
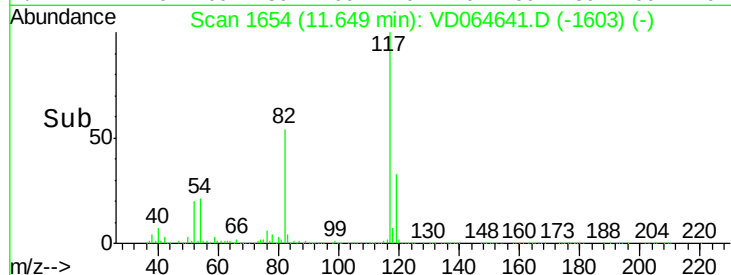
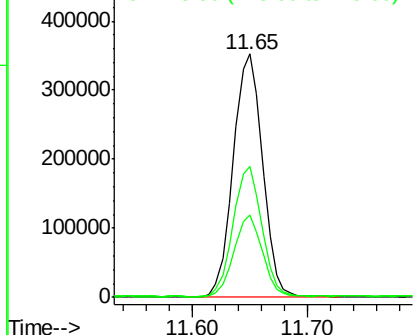
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064641.D
Acq: 27 Dec 2019 13:28

Instrument :
MSVOA_D
ClientSampleId :
GP-5-(6-8)

Tgt Ion:117 Resp: 618430
Ion Ratio Lower Upper
117 100
82 53.6 42.2 63.4
119 33.6 26.0 39.0

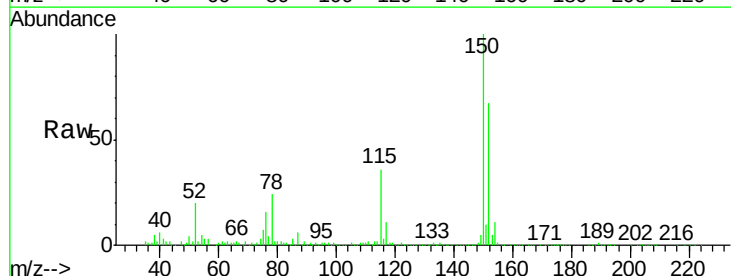


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

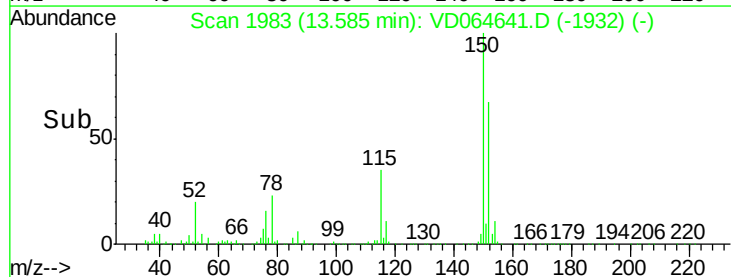
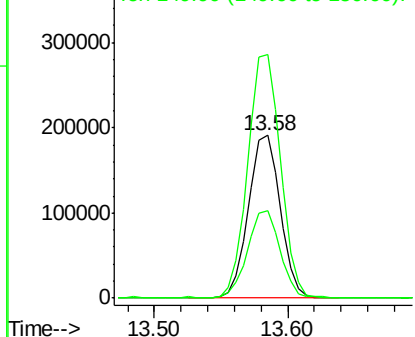


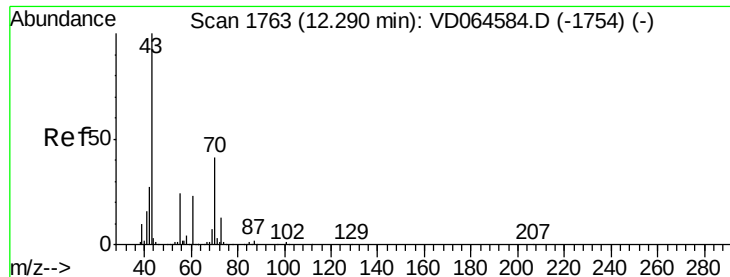
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064641.D
Acq: 27 Dec 2019 13:28

Tgt Ion:152 Resp: 313097
Ion Ratio Lower Upper
152 100
115 53.9 27.8 83.4
150 154.1 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





#74

N-ethyl acetate

Concen: 1.943 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD064641.D

Acq: 27 Dec 2019 13:28

Instrument :

MSVOA_D

ClientSampleID :

GP-5-(6-8)

Tgt Ion: 43 Resp: 9291

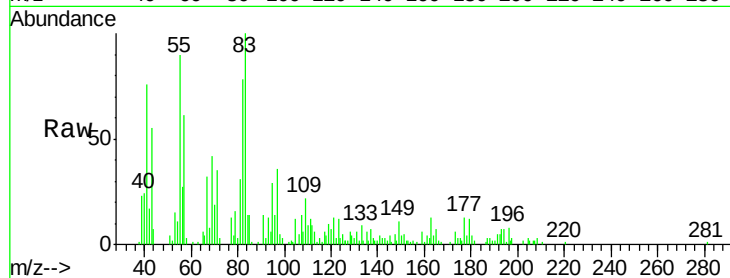
Ion Ratio Lower Upper

43 100

70 16.5 33.4 50.0#

55 685.1 19.4 29.0#

61 0.6 18.3 27.5#



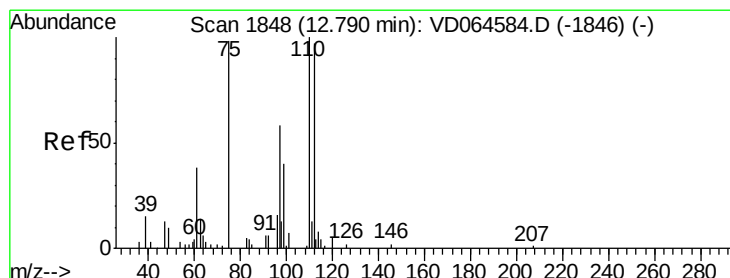
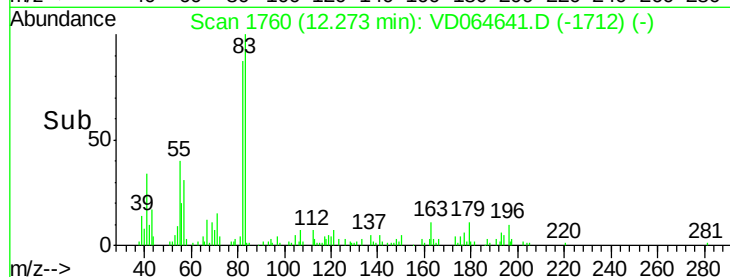
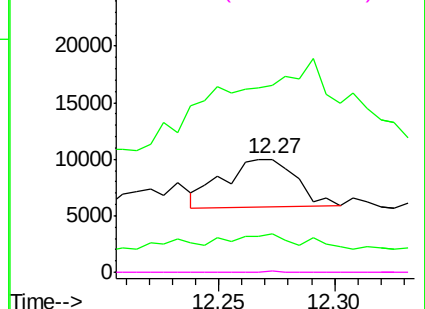
Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 58.735 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064641.D

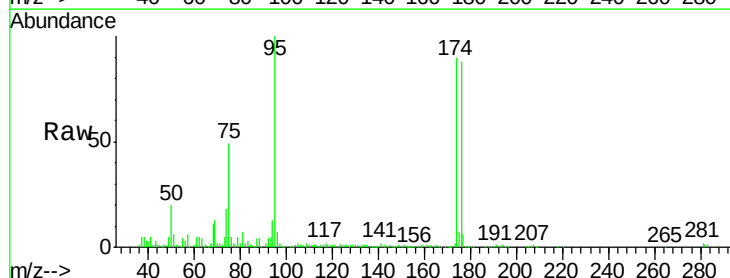
Acq: 27 Dec 2019 13:28

Tgt Ion: 75 Resp: 145218

Ion Ratio Lower Upper

75 100

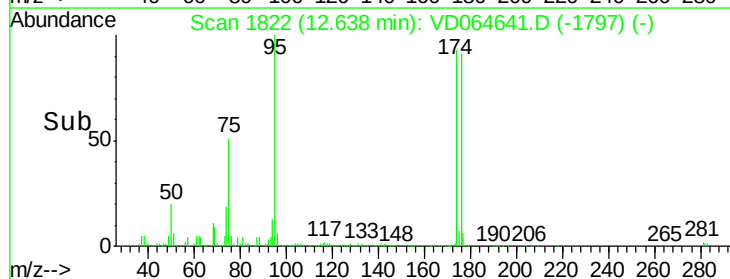
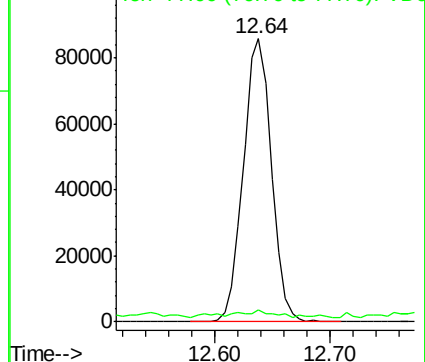
77 2.6 0.0 0.0#

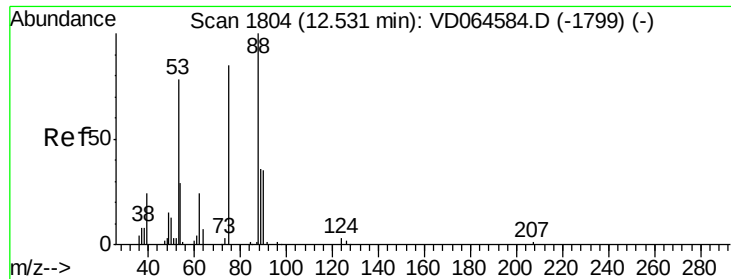


Abundance

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: 122.843 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064641.D

Acq: 27 Dec 2019 13:28

Instrument :

MSVOA_D

ClientSampleId :

GP-5-(6-8)

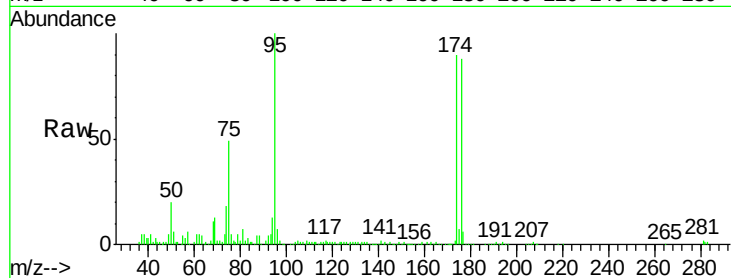
Tgt Ion: 75 Resp: 145218

Ion Ratio Lower Upper

75 100

53 0.5 78.8 118.2#

89 0.2 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

