

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064669.D
 Acq On : 28 Dec 2019 04:41
 Operator : VA/SY
 Sample : K6442-05
 Misc : 7.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 K615-SB5

Quant Time: Dec 30 01:05:14 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

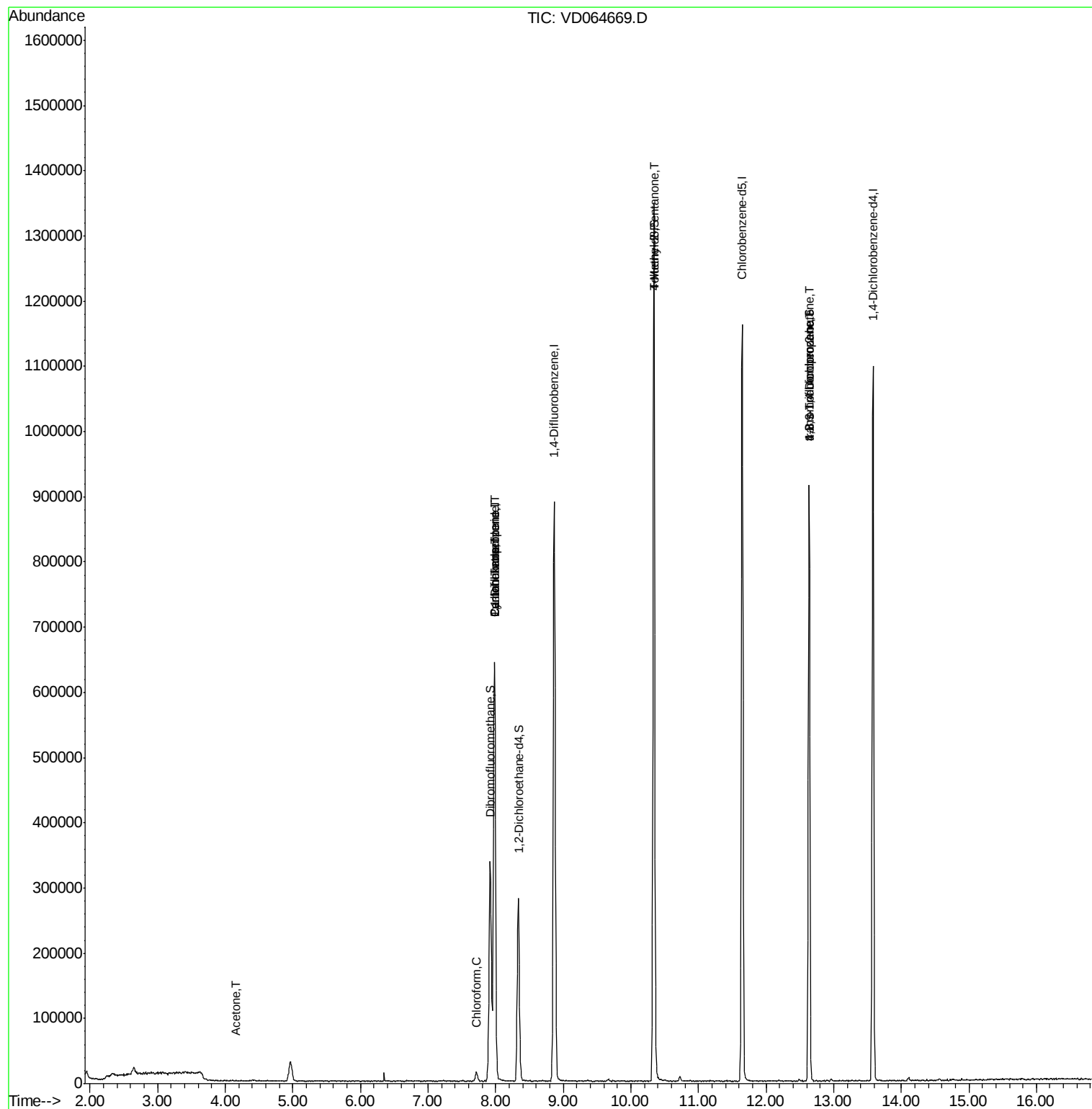
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	499212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	762851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	657363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293139	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	223752	50.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.66%	
35) Dibromofluoromethane	7.92	113	233714	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
50) Toluene-d8	10.34	98	902101	50.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.64	95	265957	46.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.84%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	225	4.408	ug/l #	42
30) Chloroform	7.71	83	12405	1.442	ug/l	84
31) Cyclohexane	7.98	56	10694	1.303	ug/l #	2
36) 1,1-Dichloropropene	7.98	75	35894	4.889	ug/l #	49
38) Carbon Tetrachloride	7.98	117	47546	6.073	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	3872	1.364	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	144251	62.317	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	144251	130.333	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: VD064669.D

Acq: 28 Dec 2019 04:41

Instrument :

MSVOA_D

ClientSampleId :

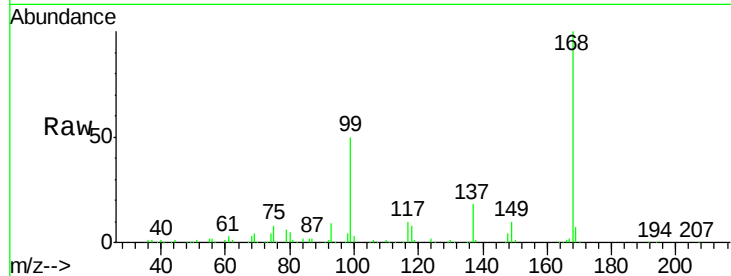
K615-SB5

Tgt Ion:168 Resp: 499212

Ion Ratio Lower Upper

168 100

99 50.3 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

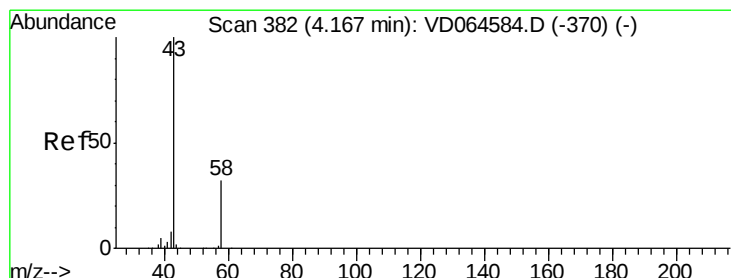
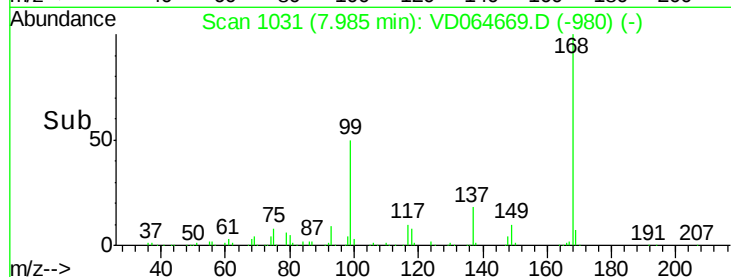
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 4.408 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064669.D

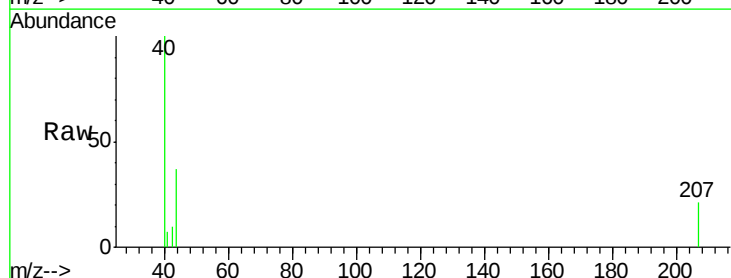
Acq: 28 Dec 2019 04:41

Tgt Ion: 43 Resp: 225

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

400

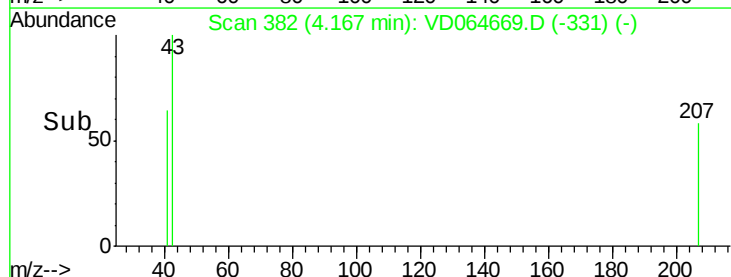
300

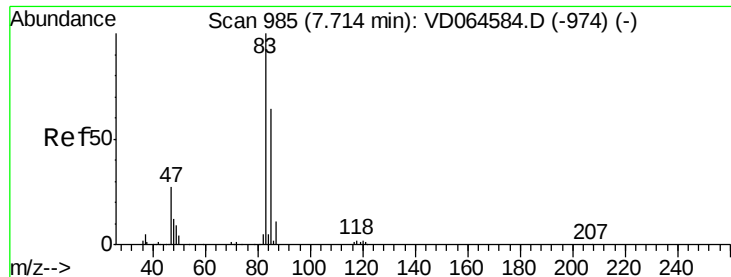
200

100

0

Time-->

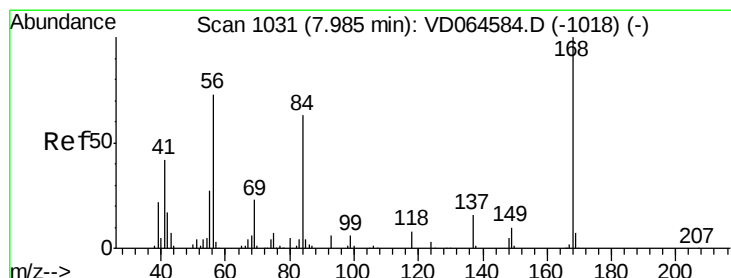
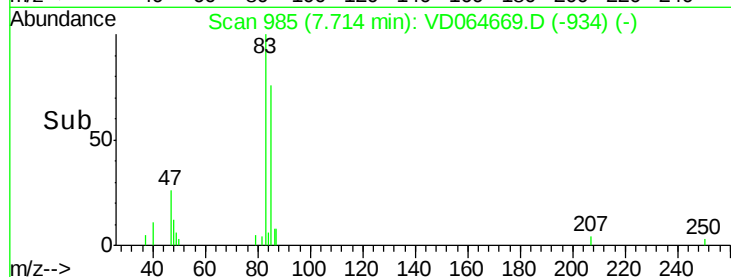
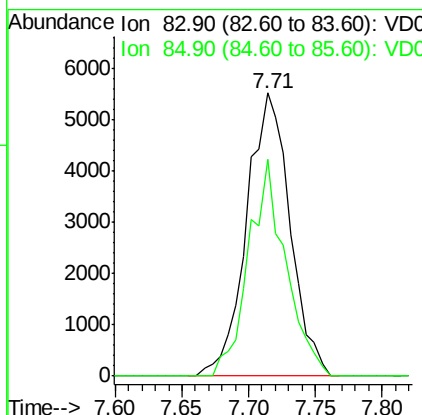
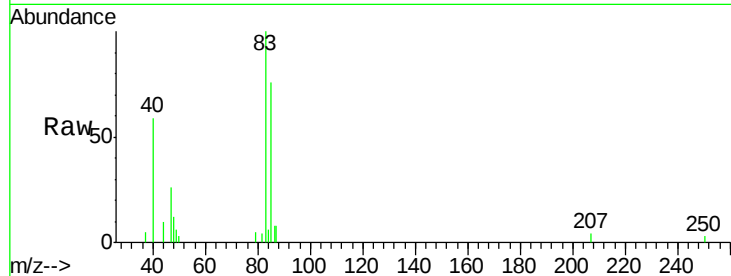




#30
Chloroform
Concen: 1.442 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064669.D
Acq: 28 Dec 2019 04:41

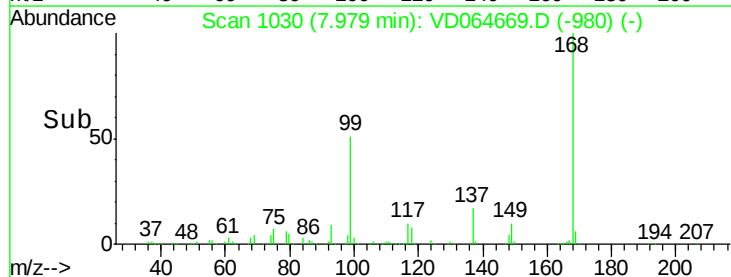
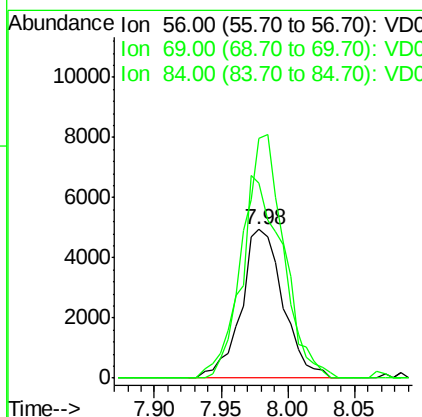
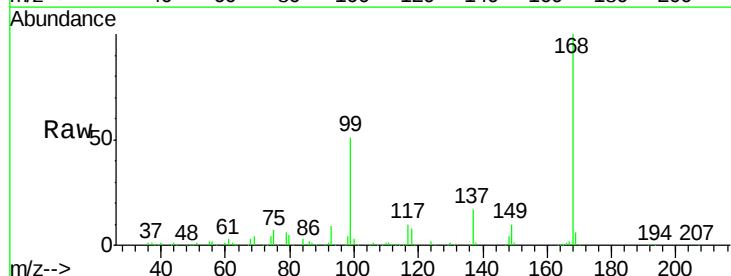
Instrument :
MSVOA_D
ClientSampleId :
K615-SB5

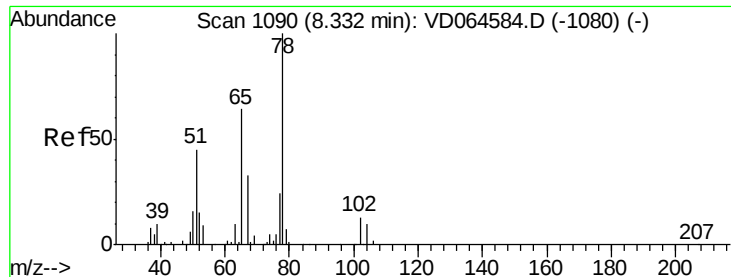
Tgt Ion: 83 Resp: 12405
Ion Ratio Lower Upper
83 100
85 76.5 51.1 76.7



#31
Cyclohexane
Concen: 1.303 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064669.D
Acq: 28 Dec 2019 04:41

Tgt Ion: 56 Resp: 10694
Ion Ratio Lower Upper
56 100
69 161.3 24.7 37.1#
84 131.1 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 50.830 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064669.D

Acq: 28 Dec 2019 04:41

Instrument :

MSVOA_D

ClientSampleId :

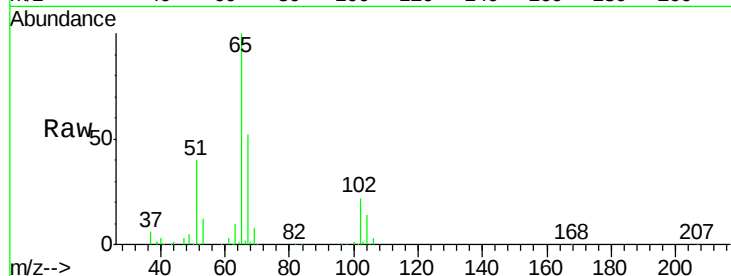
K615-SB5

Tgt Ion: 65 Resp: 223752

Ion Ratio Lower Upper

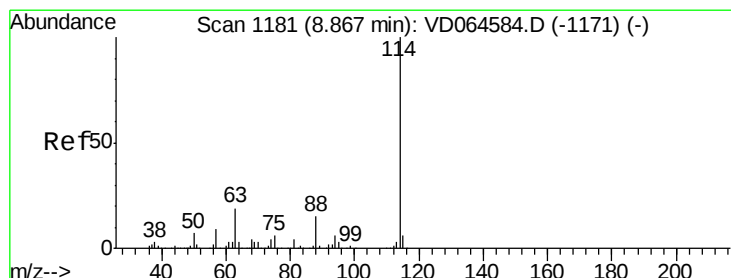
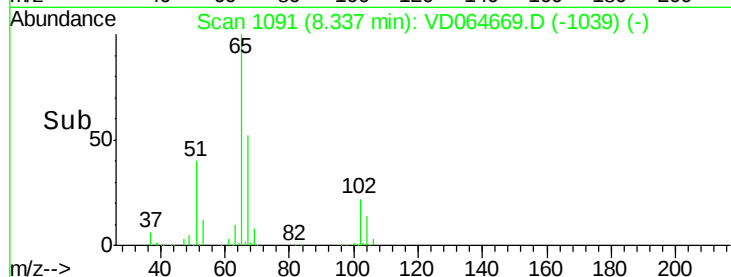
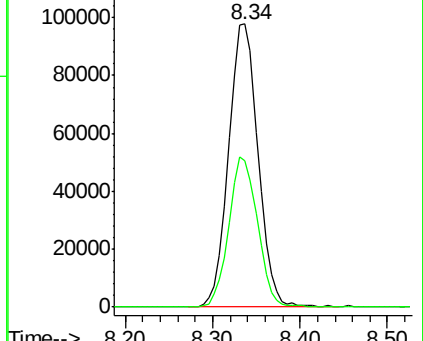
65 100

67 51.8 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: VD064669.D

Acq: 28 Dec 2019 04:41

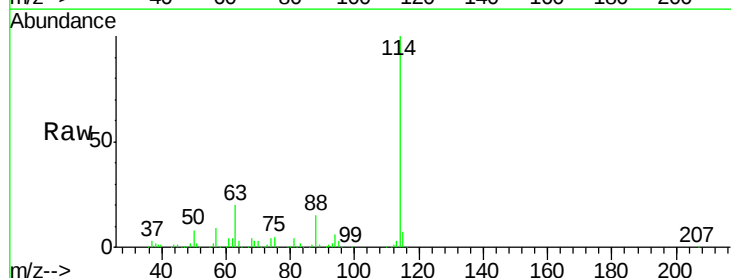
Tgt Ion: 114 Resp: 762851

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.0

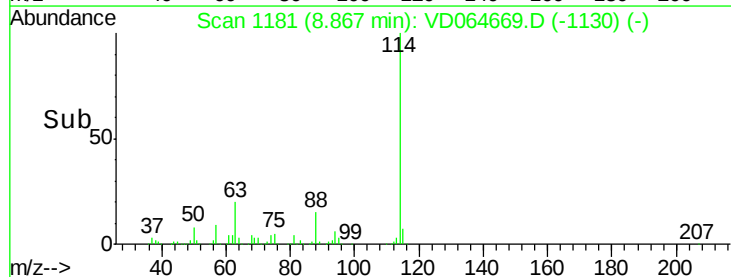
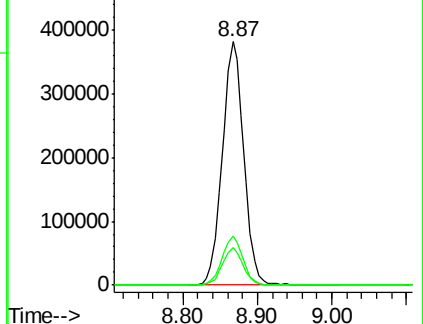
88 15.3 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

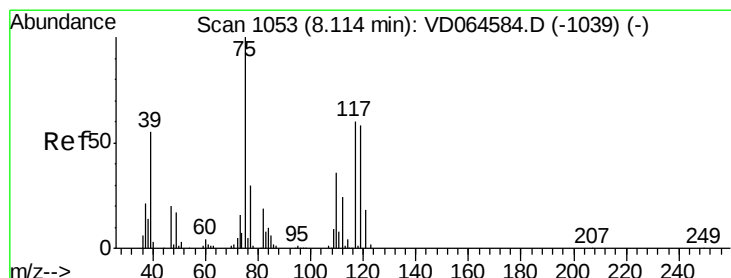
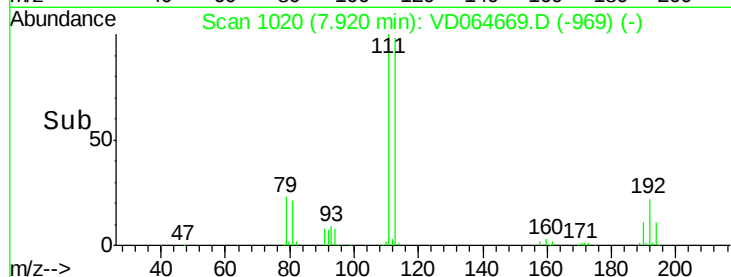
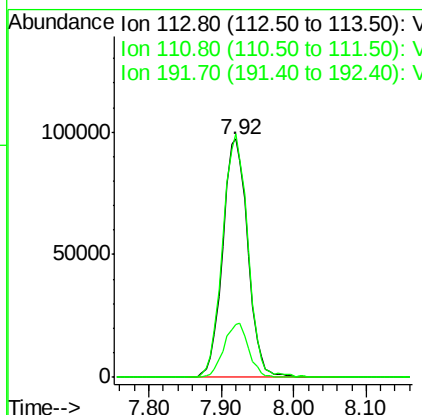
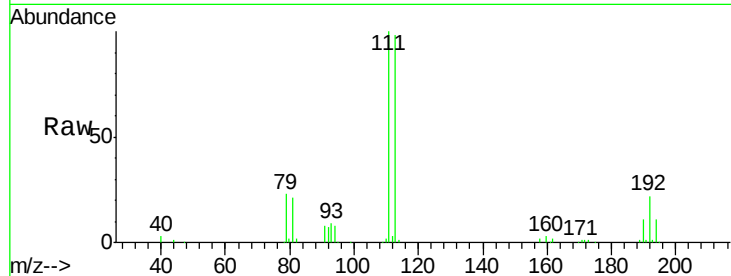




#35
 Dibromofluoromethane
 Concen: 49.936 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064669.D
 Acq: 28 Dec 2019 04:41

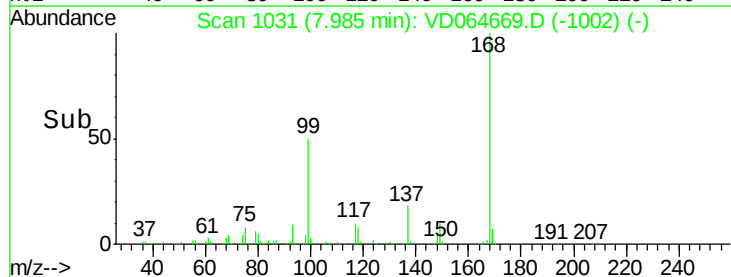
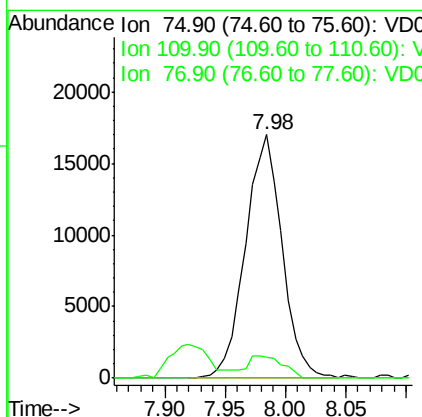
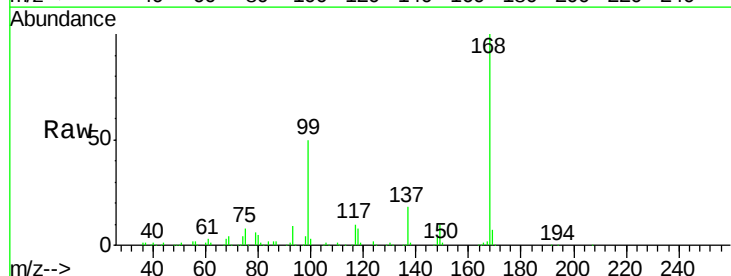
Instrument :
 MSVOA_D
 ClientSampleId :
 K615-SB5

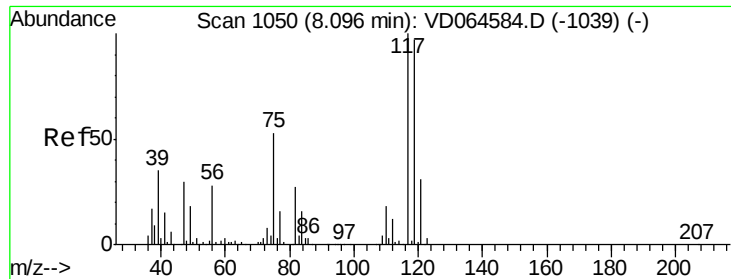
Tgt Ion:113 Resp: 233714
 Ion Ratio Lower Upper
 113 100
 111 102.6 80.6 121.0
 192 22.2 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.889 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064669.D
 Acq: 28 Dec 2019 04:41

Tgt Ion: 75 Resp: 35894
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.1 54.1#
 77 0.0 24.2 36.4#

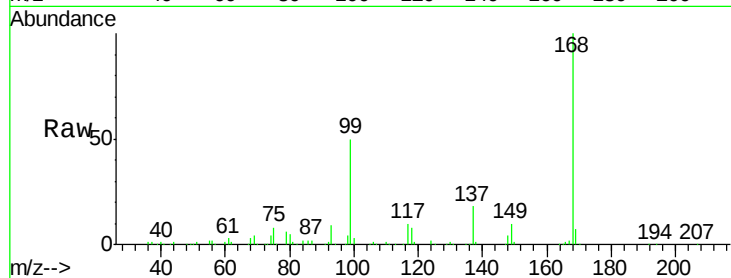




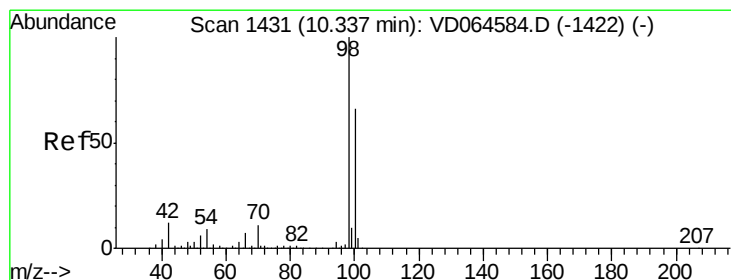
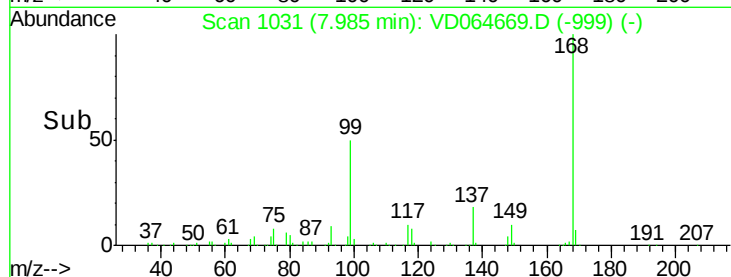
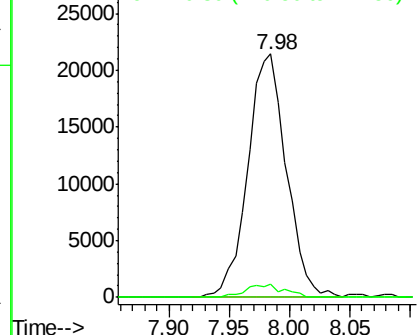
#38
Carbon Tetrachloride
Concen: 6.073 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064669.D
Acq: 28 Dec 2019 04:41

Instrument :
MSVOA_D
ClientSampleId :
K615-SB5

Tgt Ion:117 Resp: 47546
Ion Ratio Lower Upper
117 100
119 5.6 77.3 115.9#
121 0.0 25.0 37.6#

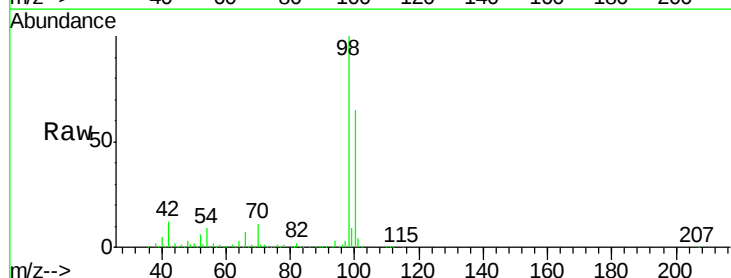


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

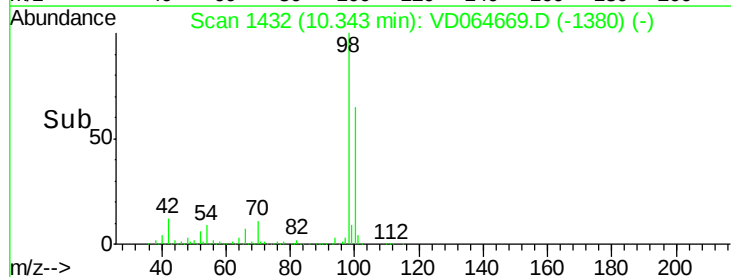
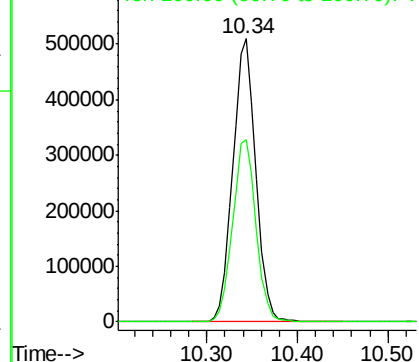


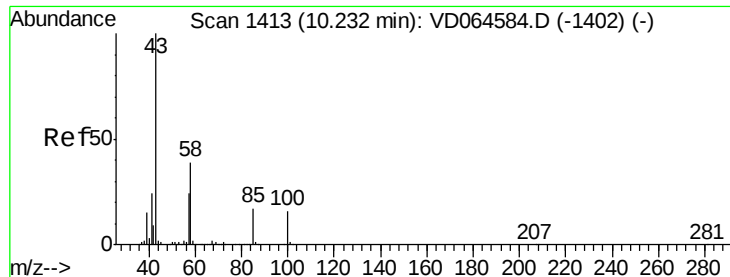
#50
Toluene-d8
Concen: 50.327 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064669.D
Acq: 28 Dec 2019 04:41

Tgt Ion: 98 Resp: 902101
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 1.364 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD064669.D

Acq: 28 Dec 2019 04:41

Instrument :

MSVOA_D

ClientSampleId :

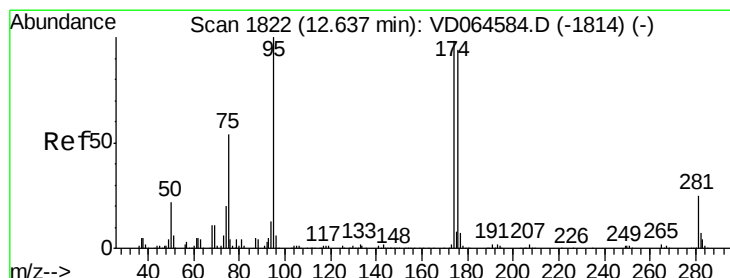
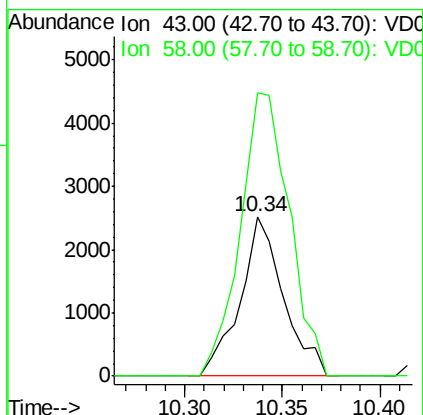
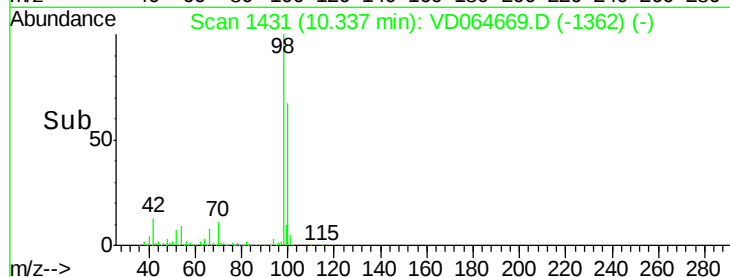
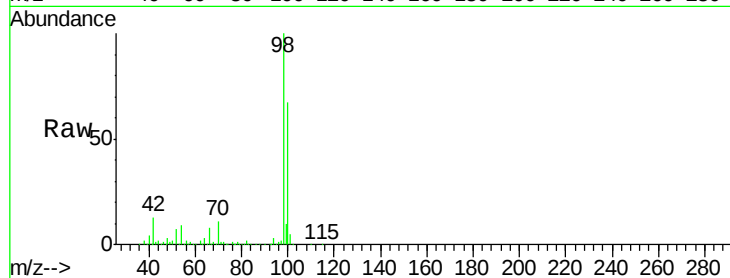
K615-SB5

Tgt Ion: 43 Resp: 3872

Ion Ratio Lower Upper

43 100

58 201.9 30.2 45.2#



#62

4-Bromofluorobenzene

Concen: 46.923 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064669.D

Acq: 28 Dec 2019 04:41

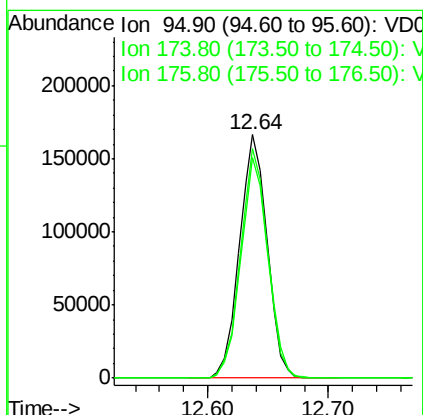
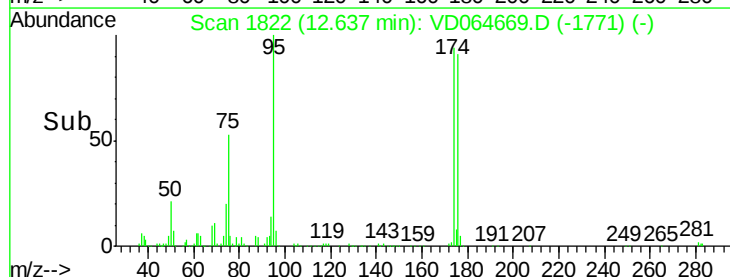
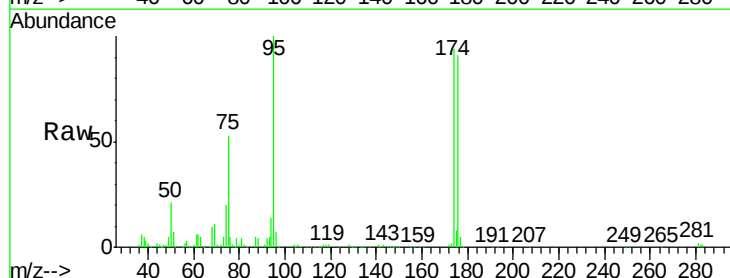
Tgt Ion: 95 Resp: 265957

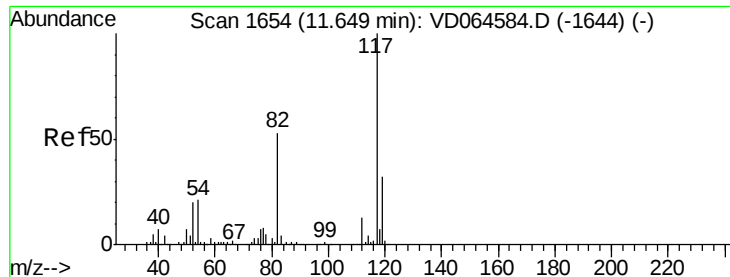
Ion Ratio Lower Upper

95 100

174 93.6 0.0 193.2

176 89.1 0.0 184.2

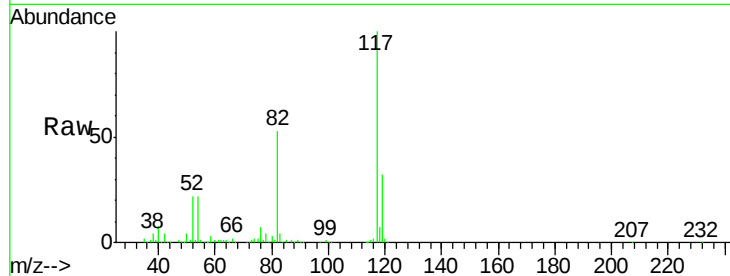




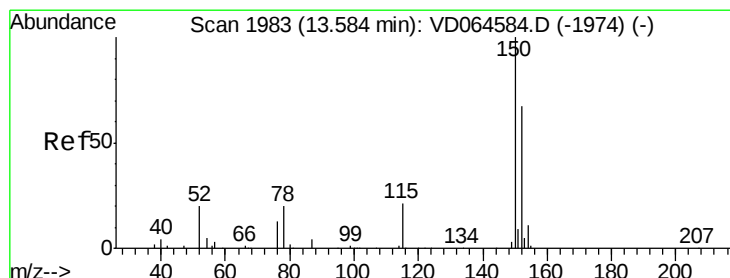
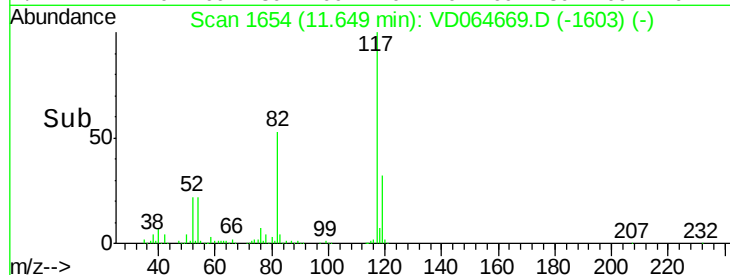
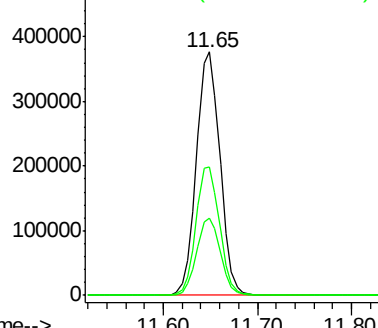
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064669.D
Acq: 28 Dec 2019 04:41

Instrument :
MSVOA_D
ClientSampleId :
K615-SB5

Tgt Ion:117 Resp: 657363
Ion Ratio Lower Upper
117 100
82 52.7 42.2 63.4
119 31.7 26.0 39.0

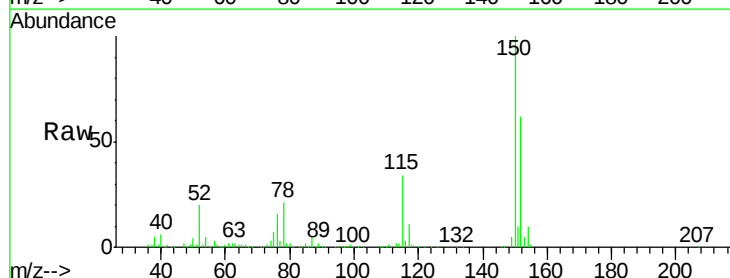


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

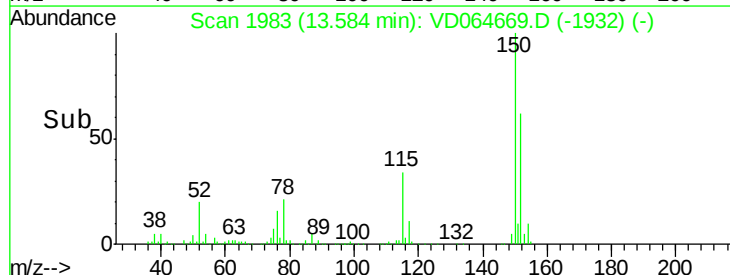
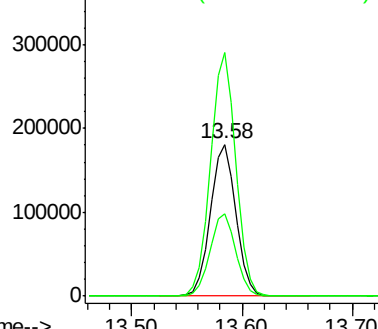


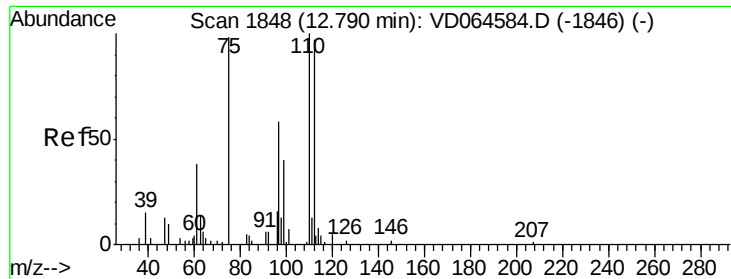
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064669.D
Acq: 28 Dec 2019 04:41

Tgt Ion:152 Resp: 293139
Ion Ratio Lower Upper
152 100
115 54.7 27.8 83.4
150 159.2 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: 62.317 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064669.D

Acq: 28 Dec 2019 04:41

Instrument :

MSVOA_D

ClientSampleId :

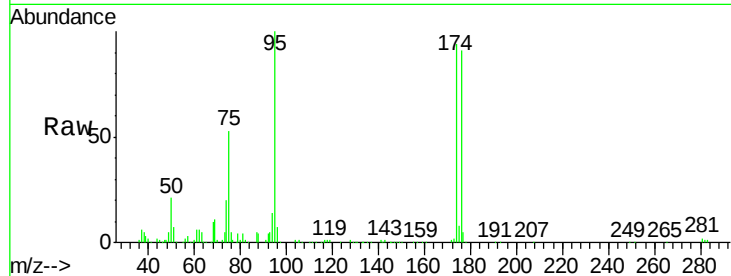
K615-SB5

Tgt Ion: 75 Resp: 144251

Ion Ratio Lower Upper

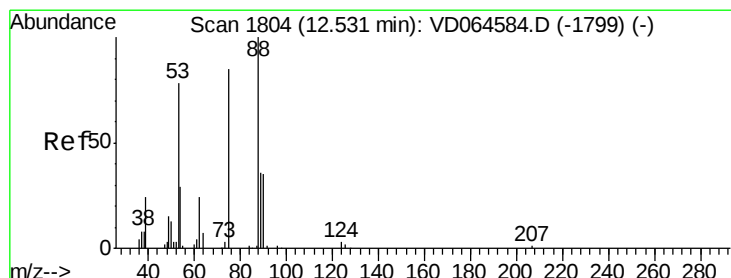
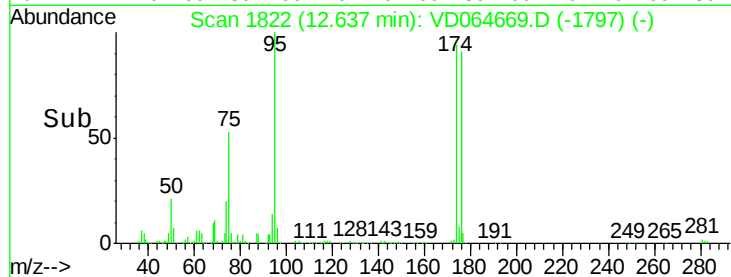
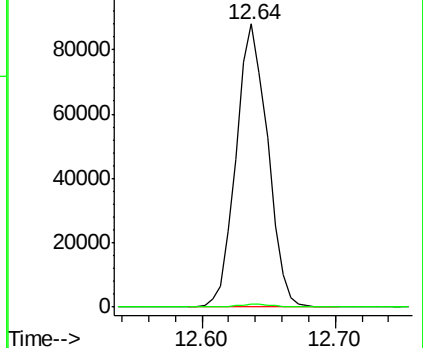
75 100

77 1.2 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: 130.333 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064669.D

Acq: 28 Dec 2019 04:41

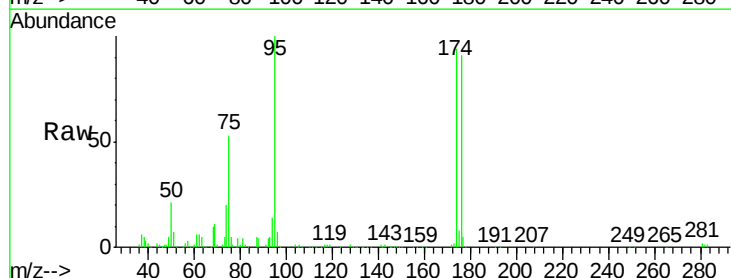
Tgt Ion: 75 Resp: 144251

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.1 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

