

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064658.D
 Acq On : 27 Dec 2019 23:26
 Operator : VA/SY
 Sample : VD1227SBL02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBL02

Quant Time: Dec 30 01:02:22 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

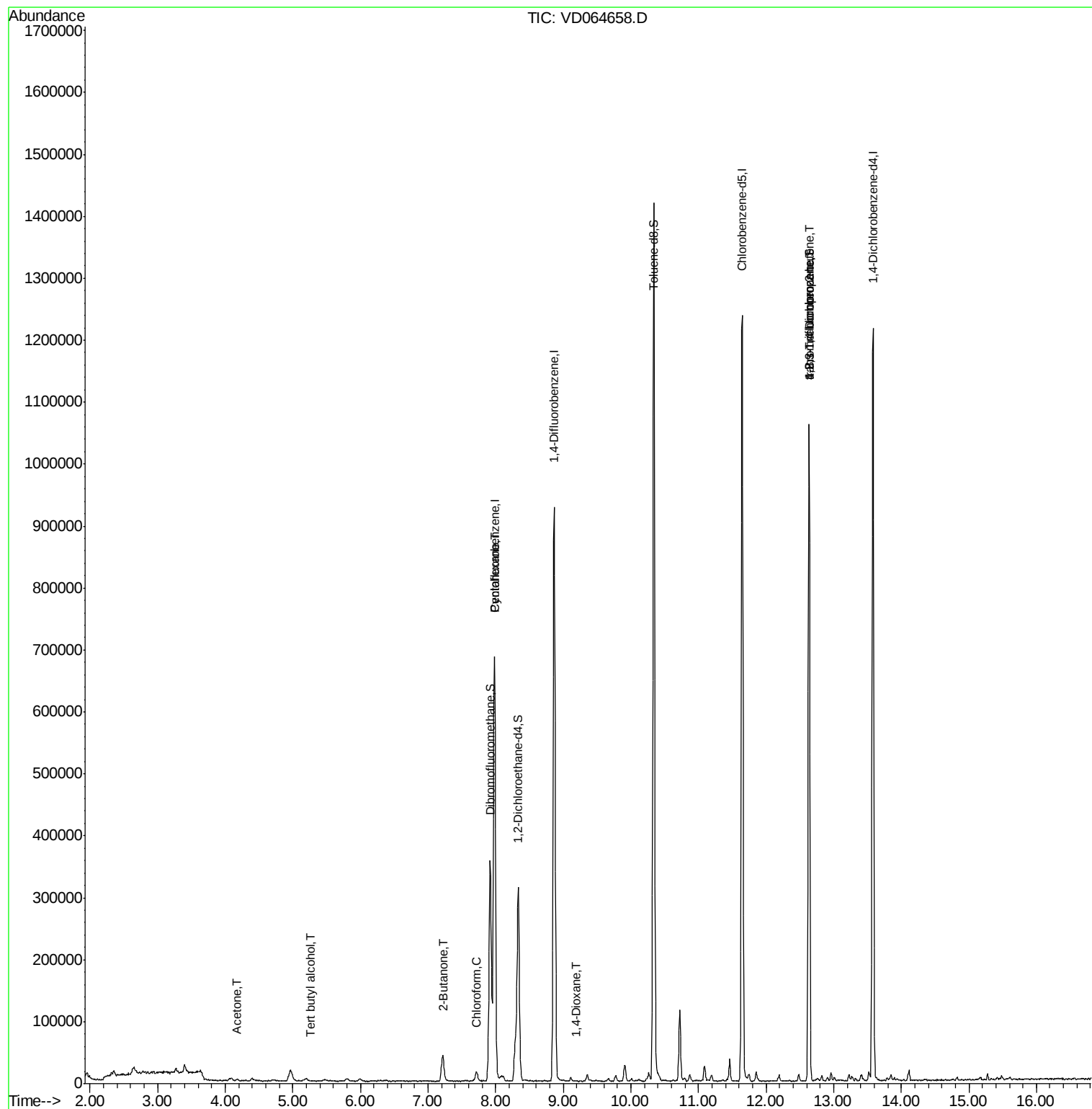
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	537206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	803056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	711174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333423	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	246953	52.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.26%	
35) Dibromofluoromethane	7.93	113	243616	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	
50) Toluene-d8	10.34	98	957583	50.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.64	95	290640	48.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.42%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.26	59	451	1.661	ug/l #	91
16) Acetone	4.17	43	4218	7.911	ug/l #	42
20) Methylene Chloride	4.97	84	12462	Below Cal		94
25) 2-Butanone	7.23	43	3153	2.421	ug/l #	84
30) Chloroform	7.71	83	14306	1.545	ug/l #	83
31) Cyclohexane	7.98	56	13624	1.543	ug/l #	41
49) 1,4-Dioxane	9.18	88	63	1.945	ug/l #	24
76) 1,2,3-Trichloropropane	12.64	75	160120	60.815	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	160120	127.192	ug/l #	10

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

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MSVOA_D
ClientSampleId :
VD1227SBL02

Quant Time: Dec 30 01:02:22 2019
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: VD064658.D

Acq: 27 Dec 2019 23:26

Instrument :

MSVOA_D

ClientSampleId :

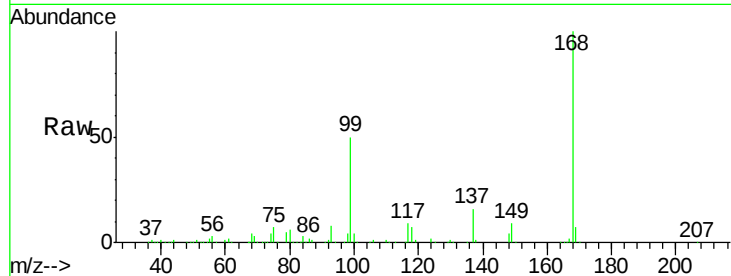
VD1227SBL02

Tgt Ion:168 Resp: 537206

Ion Ratio Lower Upper

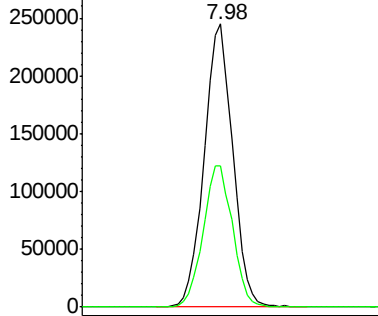
168 100

99 49.6 41.8 62.6

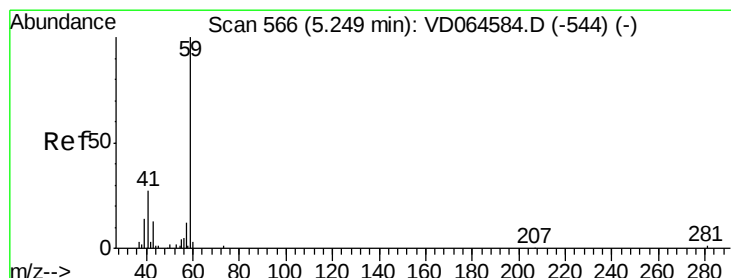
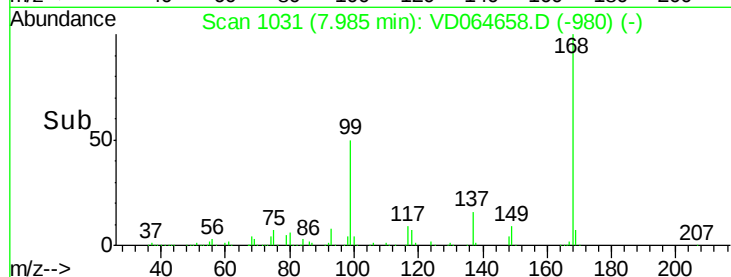


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: 1.661 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD064658.D

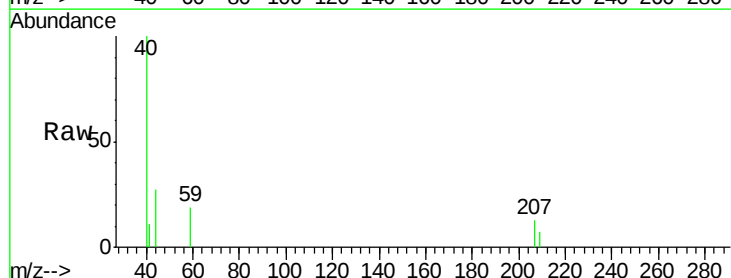
Acq: 27 Dec 2019 23:26

Tgt Ion: 59 Resp: 451

Ion Ratio Lower Upper

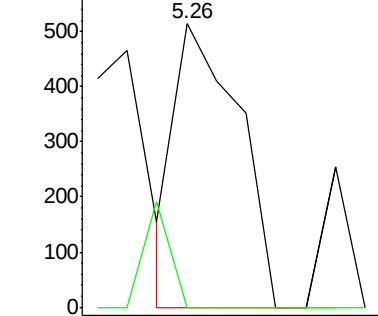
59 100

57 15.1 9.3 13.9#

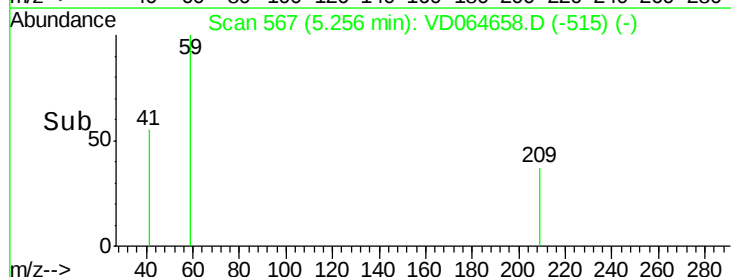


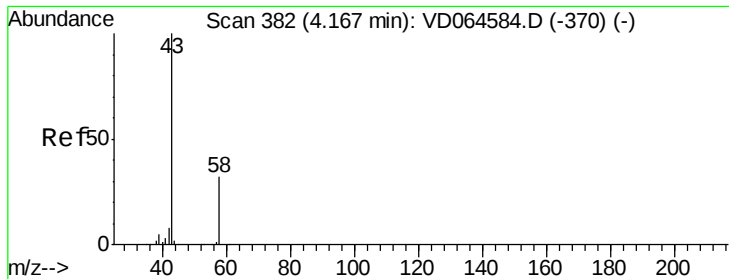
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 7.911 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064658.D

Acq: 27 Dec 2019 23:26

Instrument :

MSVOA_D

ClientSampleId :

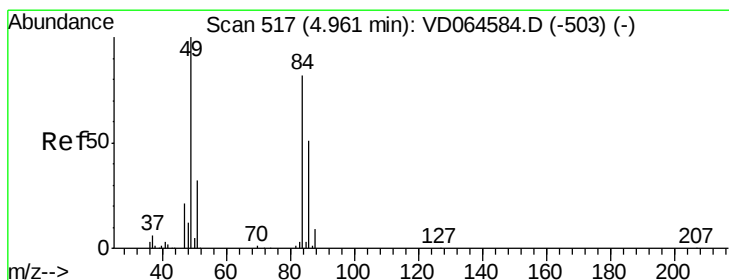
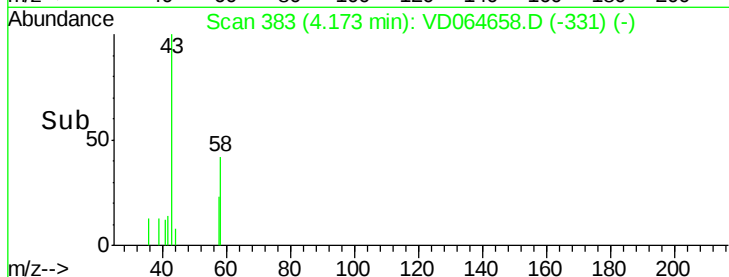
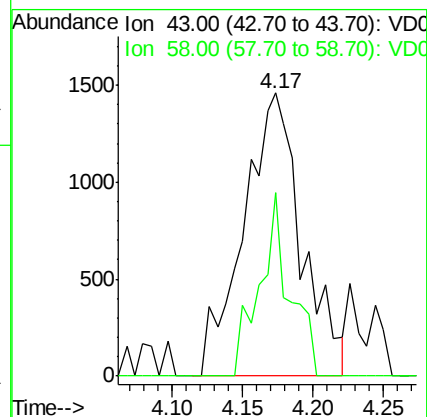
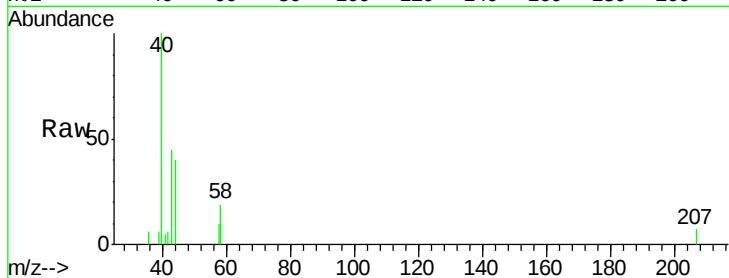
VD1227SBL02

Tgt Ion: 43 Resp: 4218

Ion Ratio Lower Upper

43 100

58 64.7 25.8 38.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064658.D

Acq: 27 Dec 2019 23:26

Tgt Ion: 84 Resp: 12462

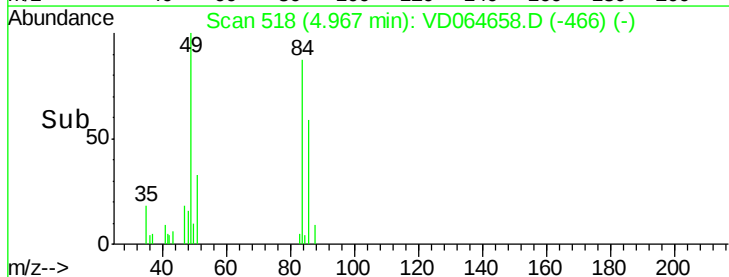
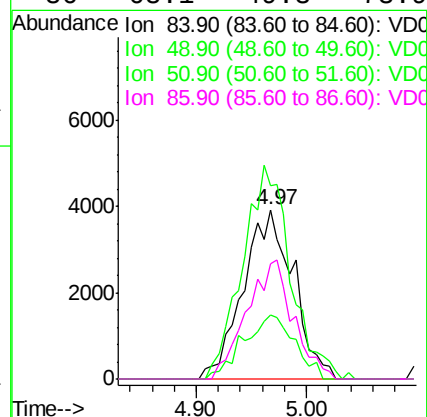
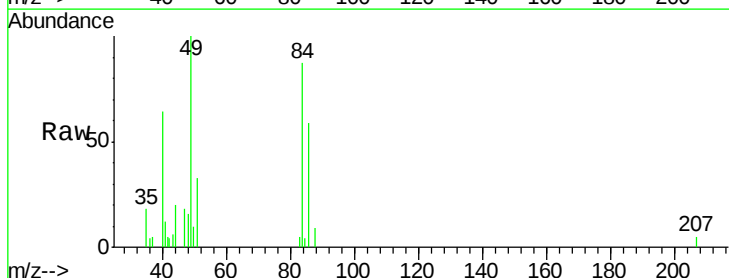
Ion Ratio Lower Upper

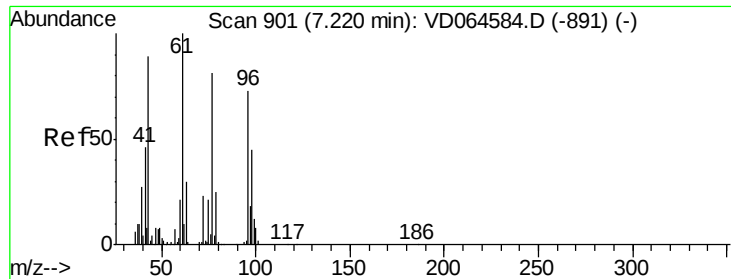
84 100

49 114.7 97.2 145.8

51 37.8 31.4 47.0

86 68.1 49.3 73.9





#25

2-Butanone

Concen: 2.421 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064658.D

Acq: 27 Dec 2019 23:26

Instrument :

MSVOA_D

ClientSampleId :

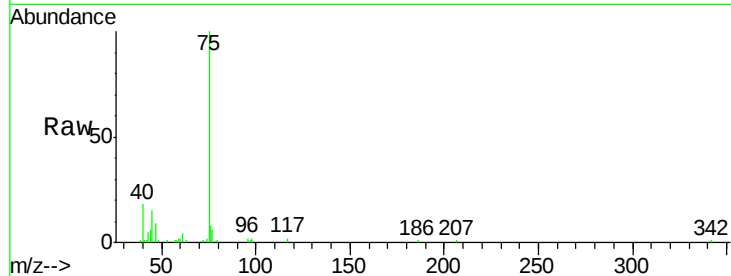
VD1227SBL02

Tgt Ion: 43 Resp: 3153

Ion Ratio Lower Upper

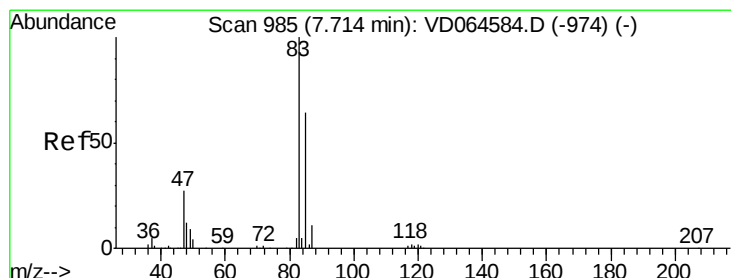
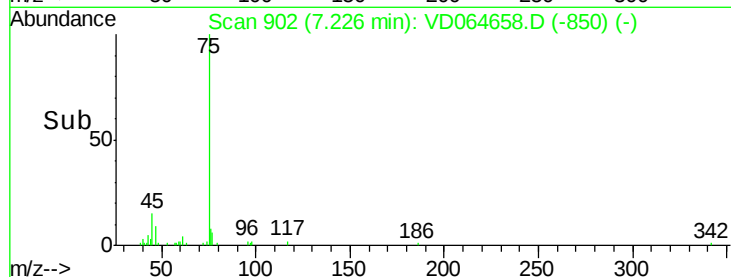
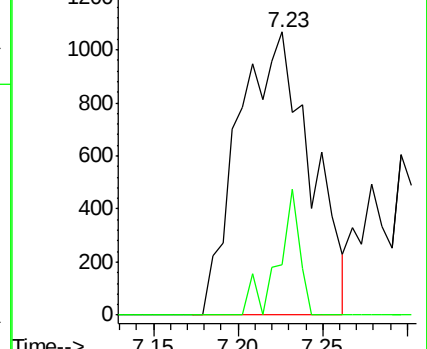
43 100

72 17.6 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: 1.545 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064658.D

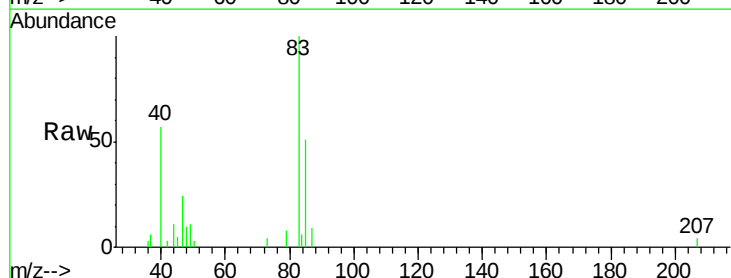
Acq: 27 Dec 2019 23:26

Tgt Ion: 83 Resp: 14306

Ion Ratio Lower Upper

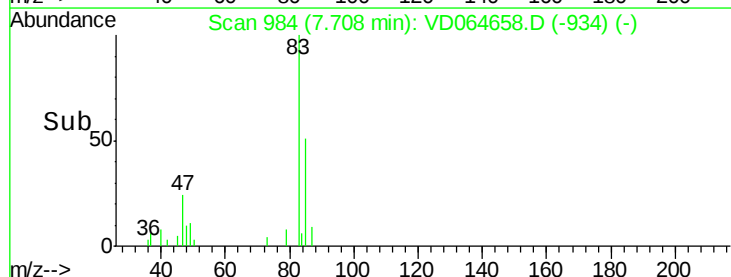
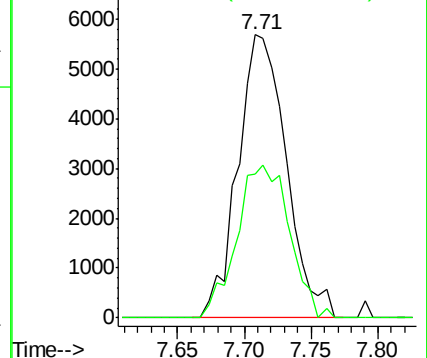
83 100

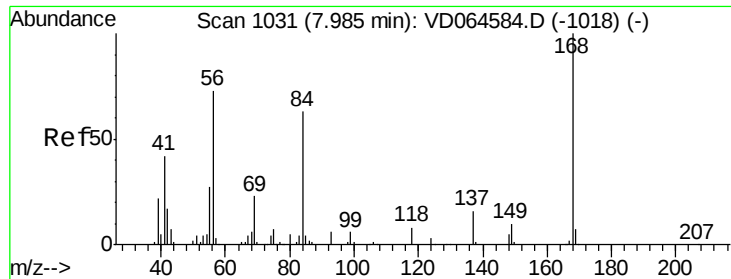
85 50.9 51.1 76.7#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 1.543 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064658.D

Acq: 27 Dec 2019 23:26

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBL02

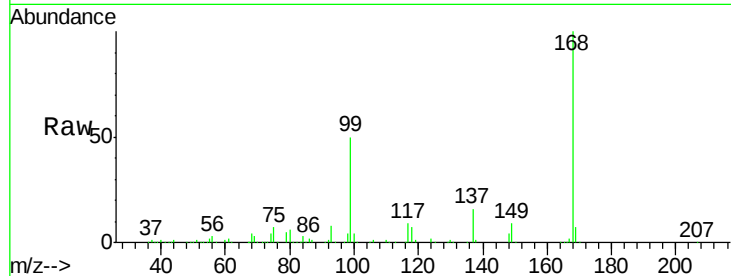
Tgt Ion: 56 Resp: 13624

Ion Ratio Lower Upper

56 100

69 110.4 24.7 37.1#

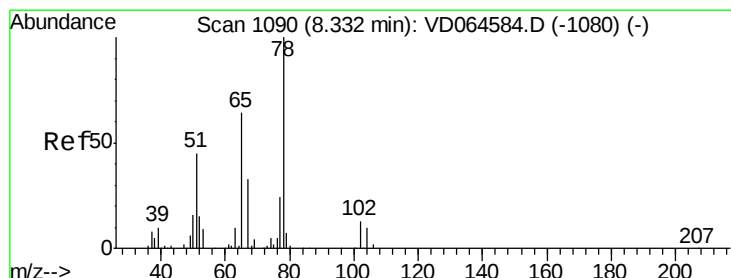
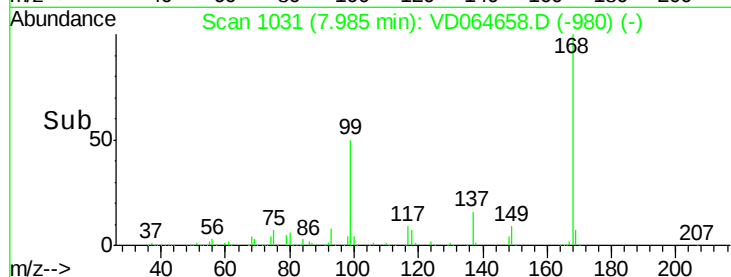
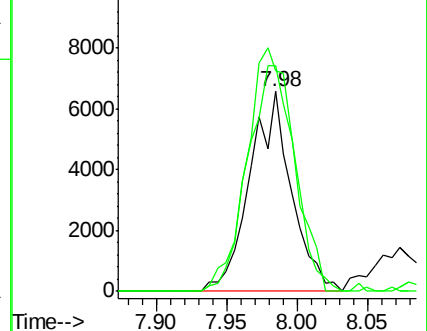
84 113.1 69.4 104.2#



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: 52.133 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064658.D

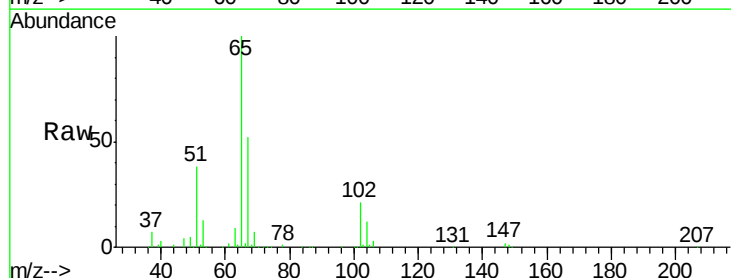
Acq: 27 Dec 2019 23:26

Tgt Ion: 65 Resp: 246953

Ion Ratio Lower Upper

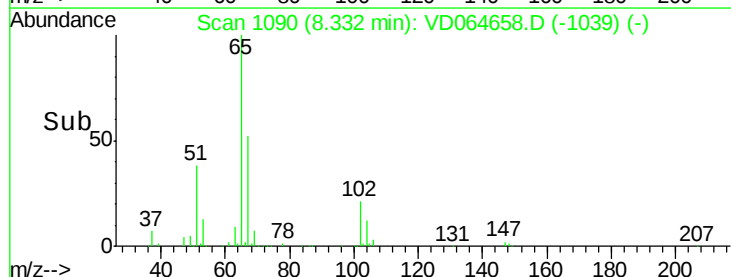
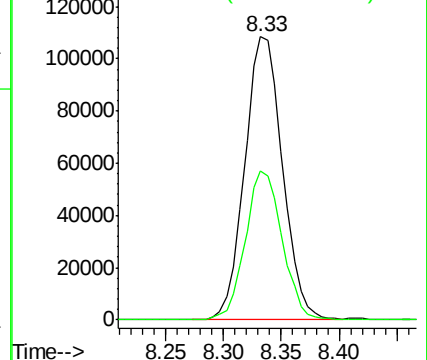
65 100

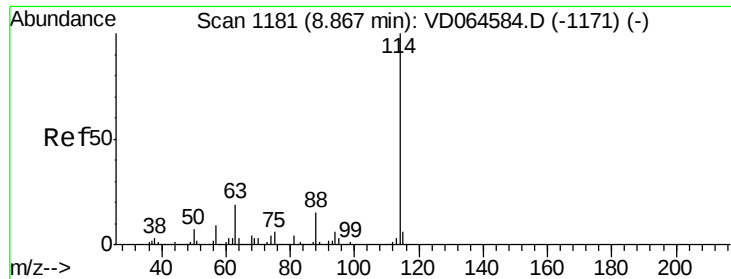
67 51.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

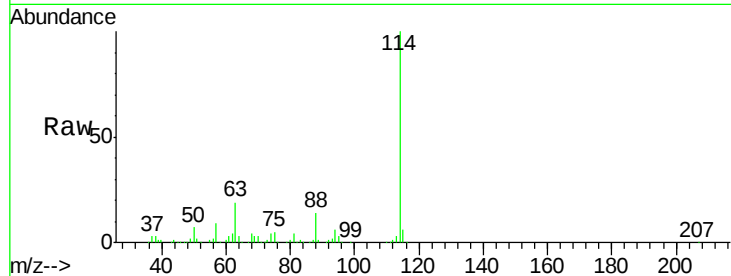




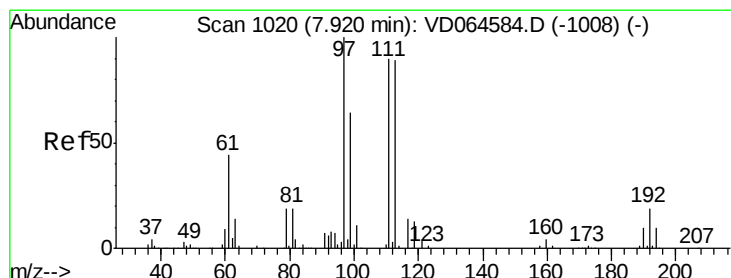
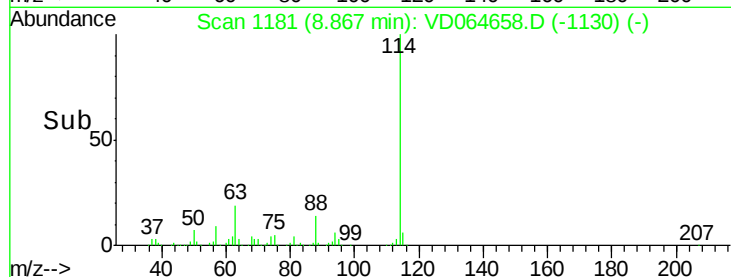
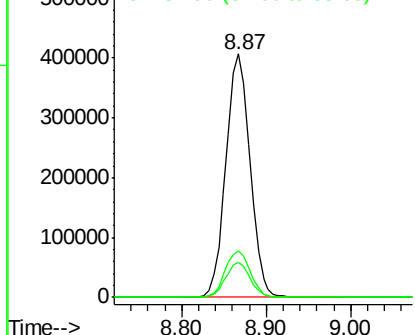
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064658.D
 Acq: 27 Dec 2019 23:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBL02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.0
88	14.2	0.0	29.2

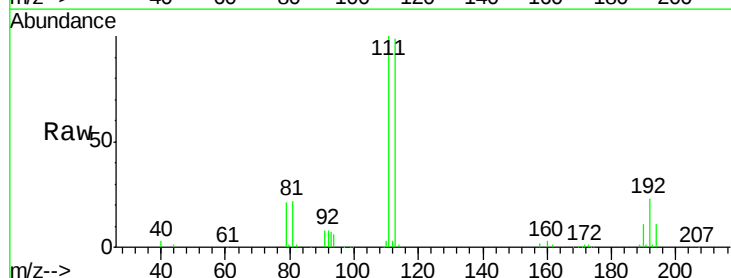


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

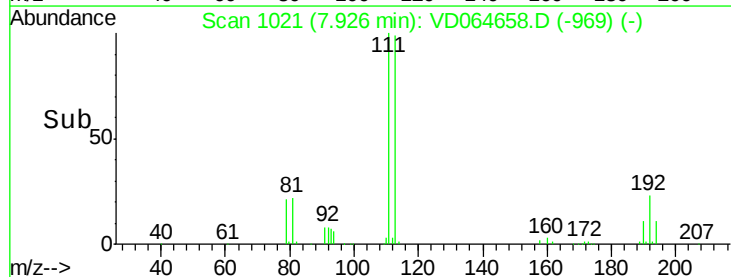
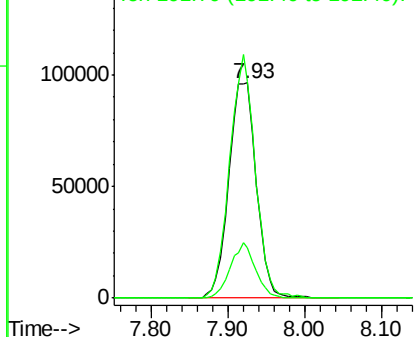


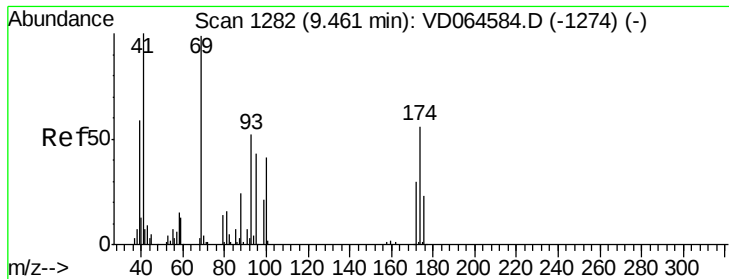
#35
 Dibromofluoromethane
 Concen: 49.446 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD064658.D
 Acq: 27 Dec 2019 23:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	80.6	121.0
192	23.1	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





#49

1,4-Dioxane

Concen: 1.945 ug/l

RT: 9.18 min Scan# 1234

Delta R.T. -0.28 min

Lab File: VD064658.D

Acq: 27 Dec 2019 23:26

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBL02

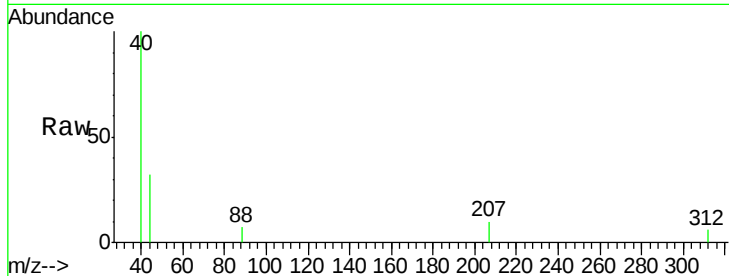
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

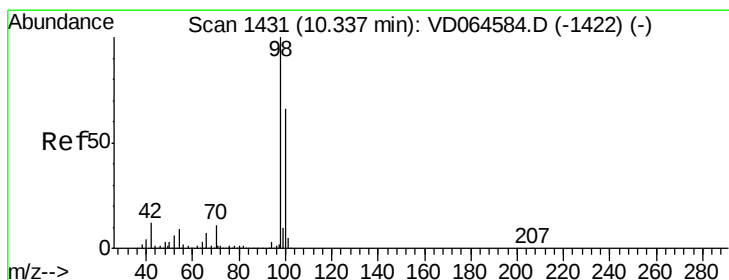
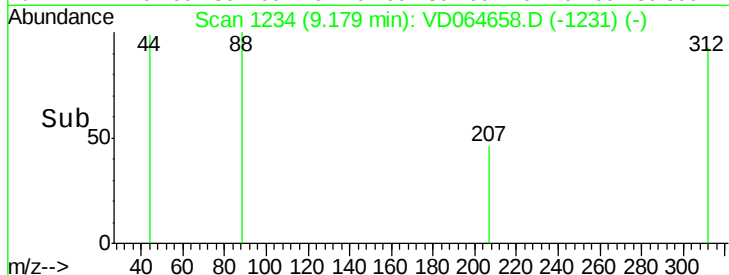
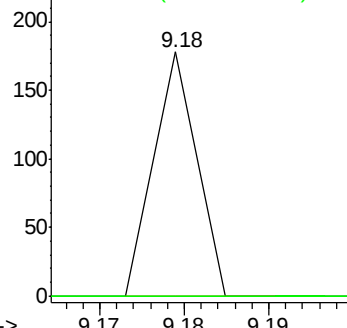
58 0.0 53.8 80.6#



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



#50

Toluene-d8

Concen: 50.748 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064658.D

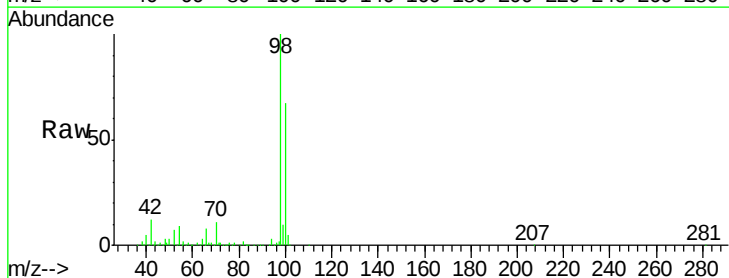
Acq: 27 Dec 2019 23:26

Tgt Ion: 98 Resp: 957583

Ion Ratio Lower Upper

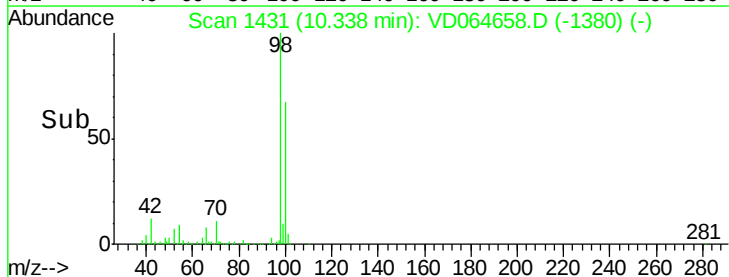
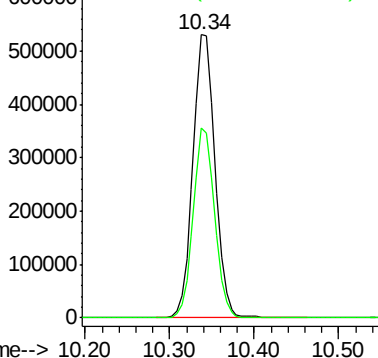
98 100

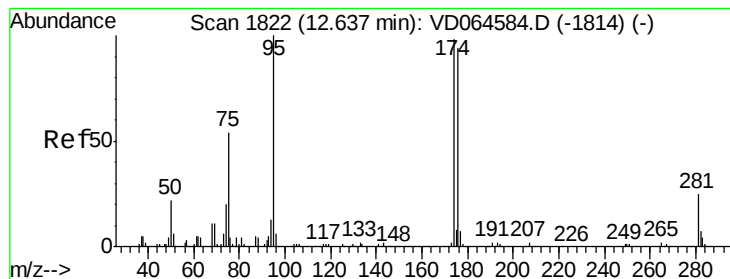
100 65.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 48.710 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064658.D

Acq: 27 Dec 2019 23:26

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBL02

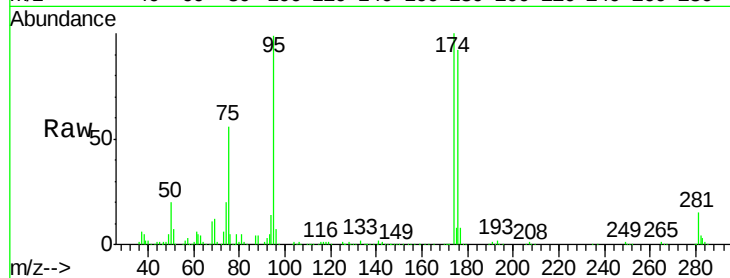
Tgt Ion: 95 Resp: 290640

Ion Ratio Lower Upper

95 100

174 95.8 0.0 193.2

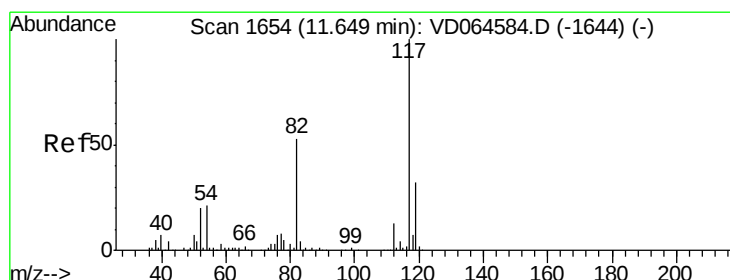
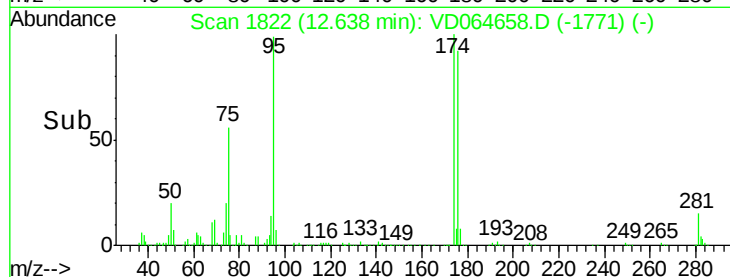
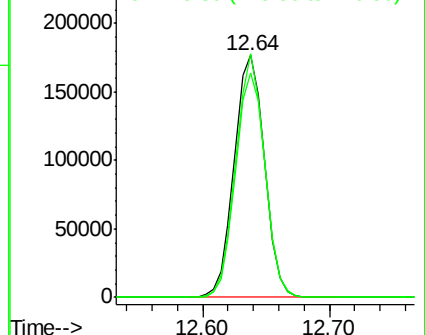
176 91.8 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

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: 11.64 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VD064658.D

Acq: 27 Dec 2019 23:26

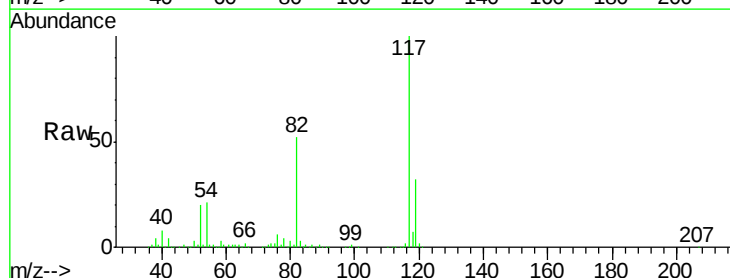
Tgt Ion: 117 Resp: 711174

Ion Ratio Lower Upper

117 100

82 52.1 42.2 63.4

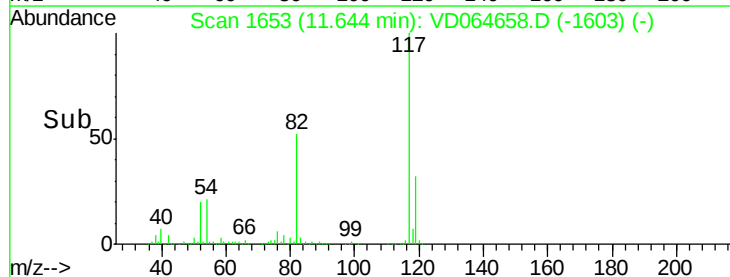
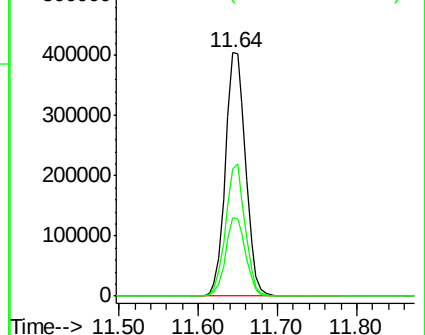
119 32.0 26.0 39.0

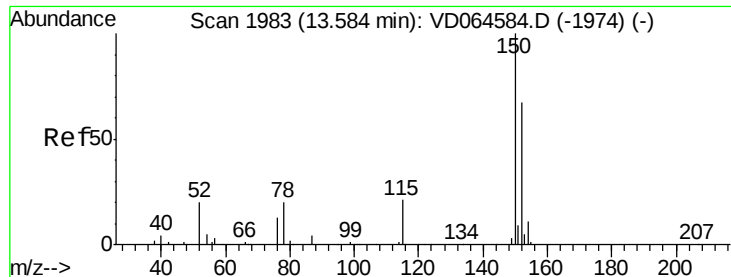


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064658.D

Acq: 27 Dec 2019 23:26

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBL02

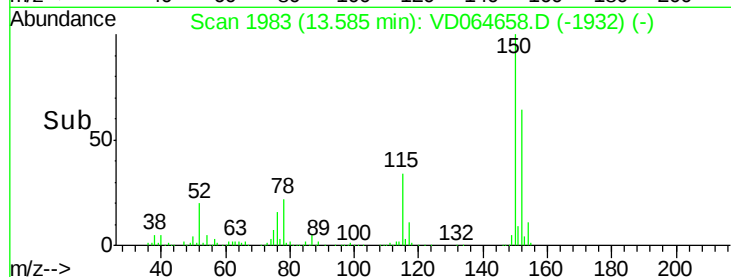
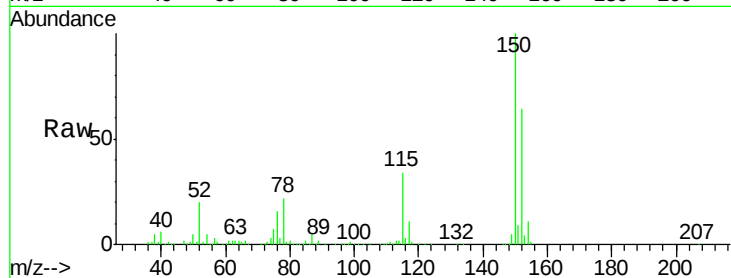
Tgt Ion:152 Resp: 333423

Ion Ratio Lower Upper

152 100

115 53.0 27.8 83.4

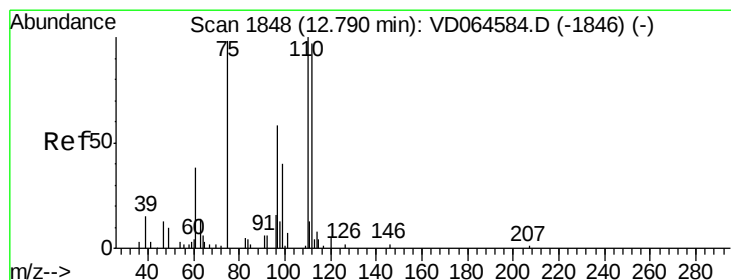
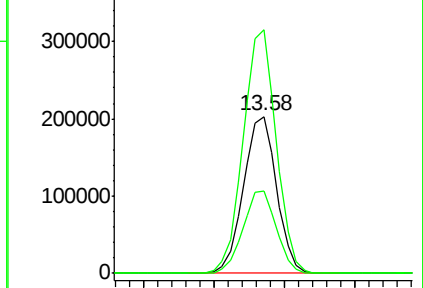
150 155.1 0.0 351.4



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



#76

1,2,3-Trichloropropane

Concen: 60.815 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064658.D

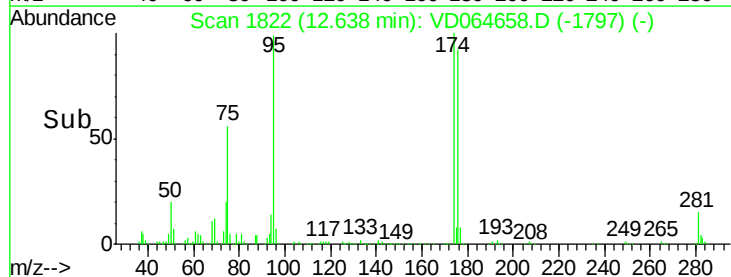
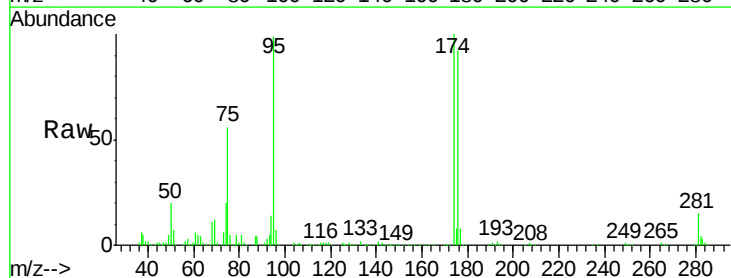
Acq: 27 Dec 2019 23:26

Tgt Ion: 75 Resp: 160120

Ion Ratio Lower Upper

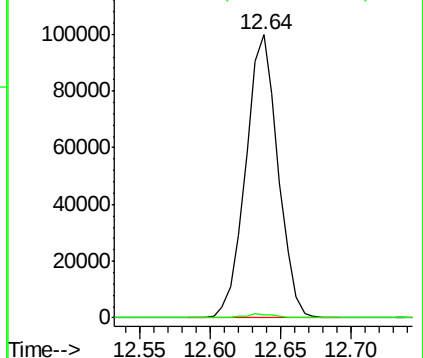
75 100

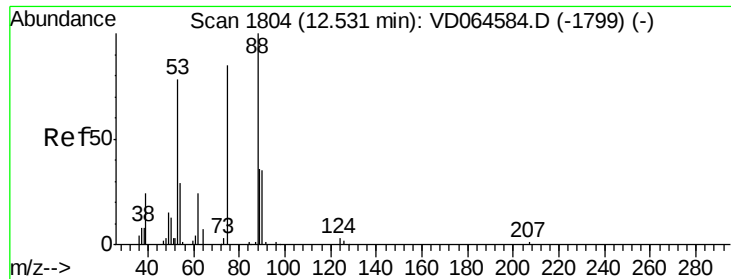
77 1.1 0.0 0.0#



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: 127.192 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064658.D

Acq: 27 Dec 2019 23:26

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBL02

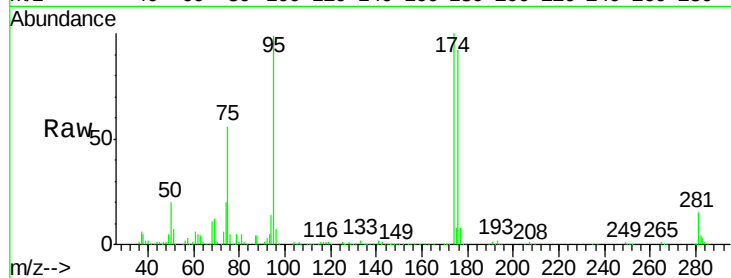
Tgt Ion: 75 Resp: 160120

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

