

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064642.D
 Acq On : 27 Dec 2019 13:57
 Operator : VA/SY
 Sample : K6431-01RE
 Misc : 5.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5-(0-2)

Quant Time: Dec 30 00:58:20 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

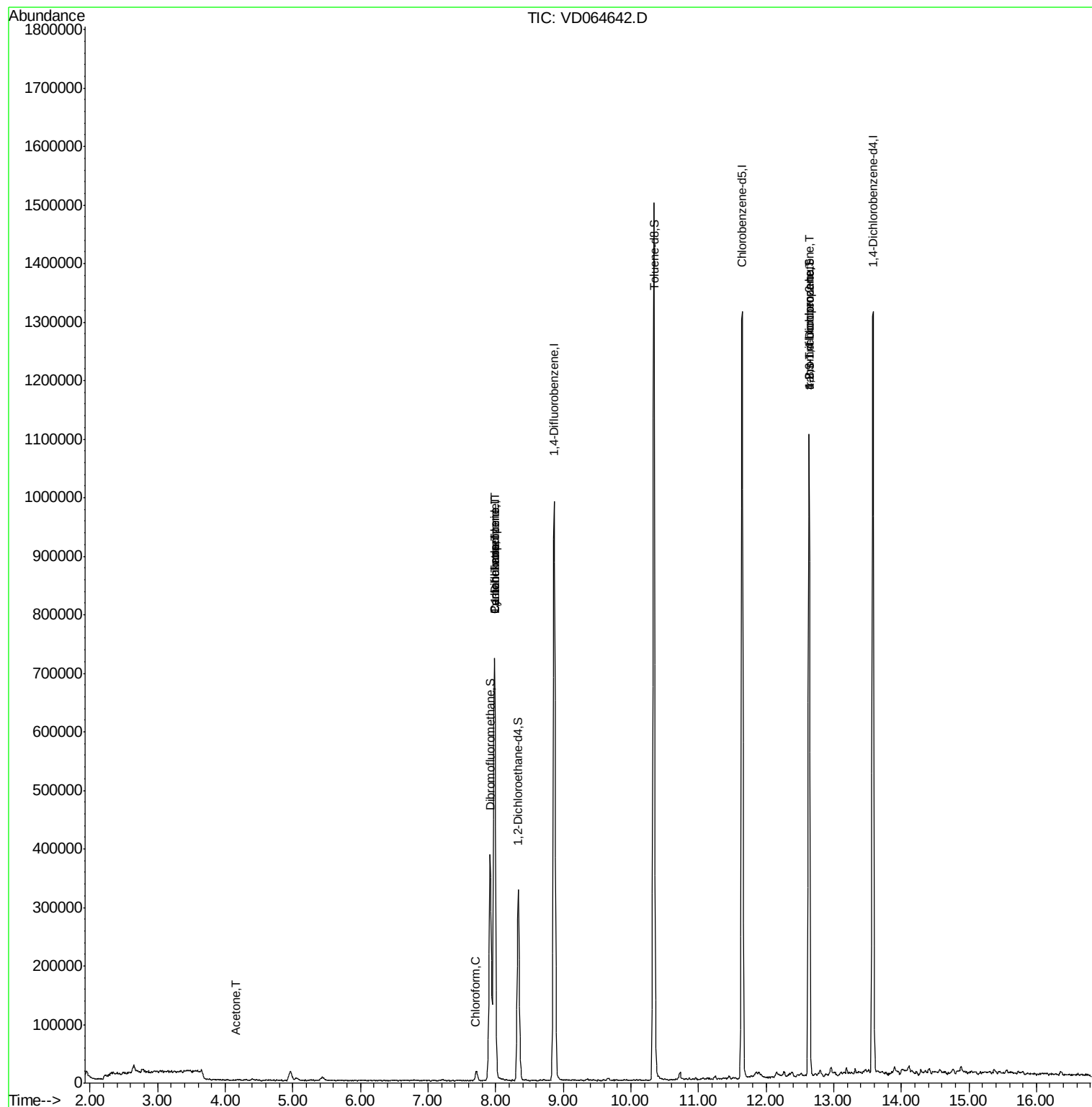
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	581091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	866195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	760474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	361288	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	263948	51.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.02%	
35) Dibromofluoromethane	7.92	113	265499	49.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.92%	
50) Toluene-d8	10.34	98	1027272	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.64	95	318101	49.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.86%	
Target Compounds						
					Qvalue	
16) Acetone	4.16	43	487	4.591	ug/l #	42
20) Methylene Chloride	4.96	84	12184	Below Cal	#	93
30) Chloroform	7.71	83	14542	1.452	ug/l	85
31) Cyclohexane	7.98	56	11976	1.254	ug/l #	45
36) 1,1-Dichloropropene	7.98	75	39347	4.720	ug/l #	50
38) Carbon Tetrachloride	7.98	117	53501	6.018	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	170853	59.886	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	170853	125.250	ug/l #	10

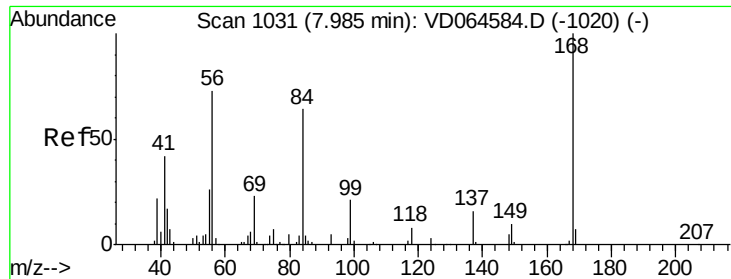
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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SB-5-(0-2)

Quant Time: Dec 30 00:58:20 2019
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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: VD064642.D

Acq: 27 Dec 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

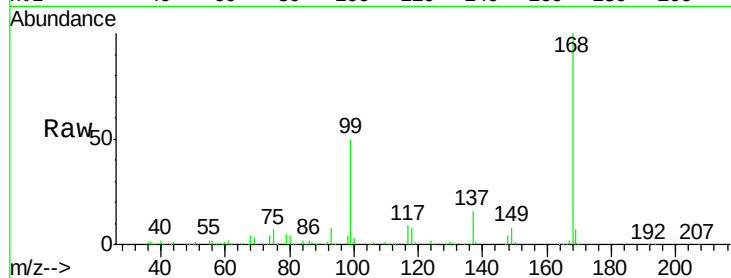
SB-5-(0-2)

Tgt Ion:168 Resp: 581091

Ion Ratio Lower Upper

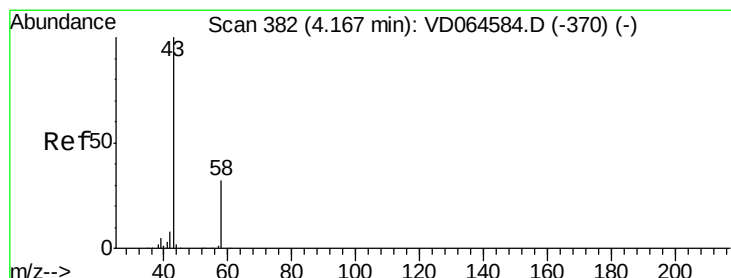
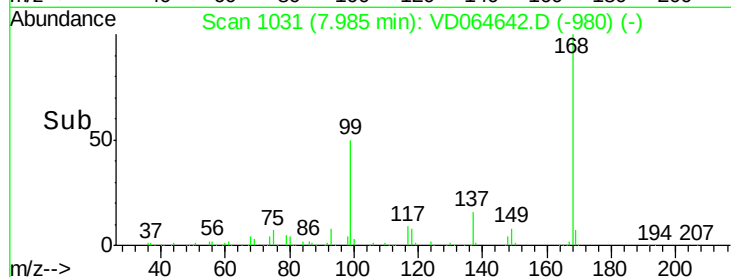
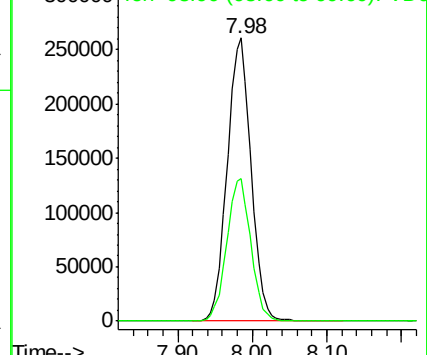
168 100

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



#16

Acetone

Concen: 4.591 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064642.D

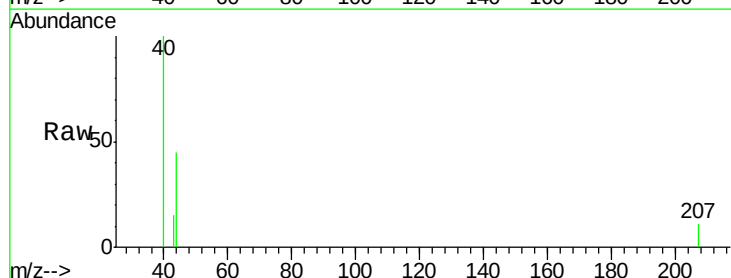
Acq: 27 Dec 2019 13:57

Tgt Ion: 43 Resp: 487

Ion Ratio Lower Upper

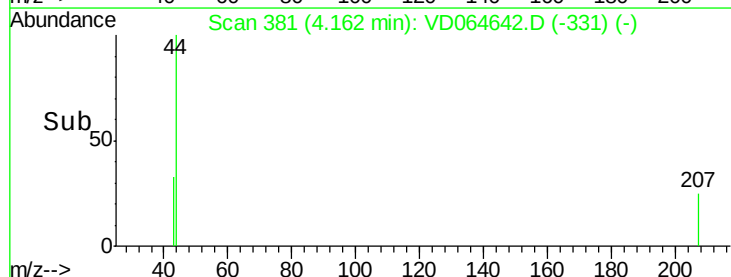
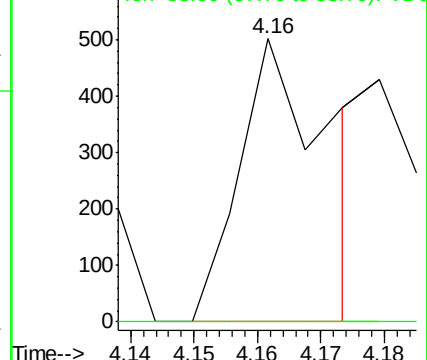
43 100

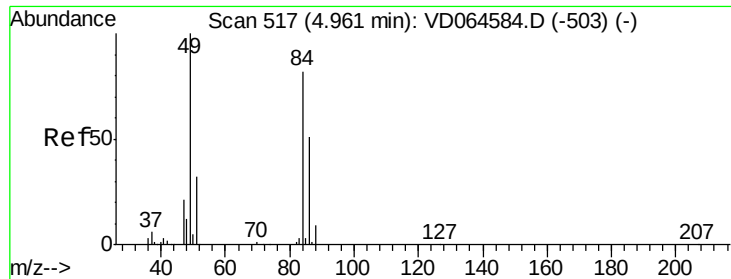
58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

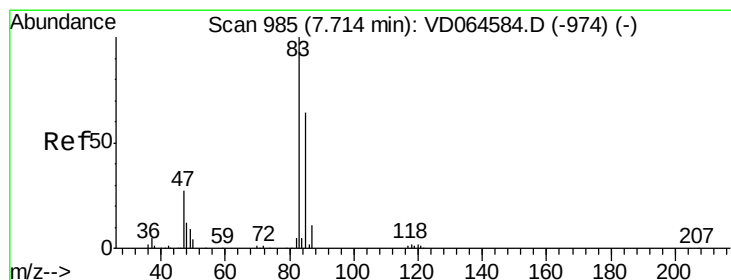
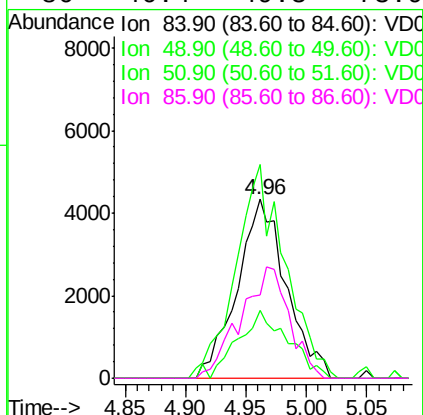
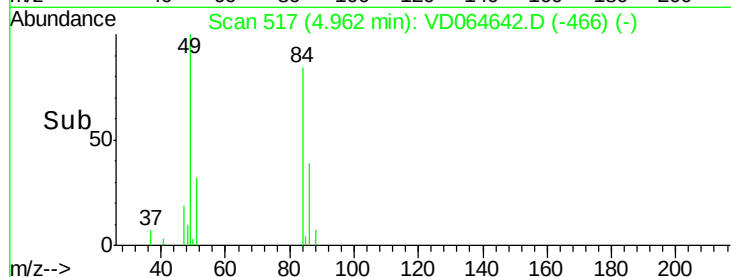
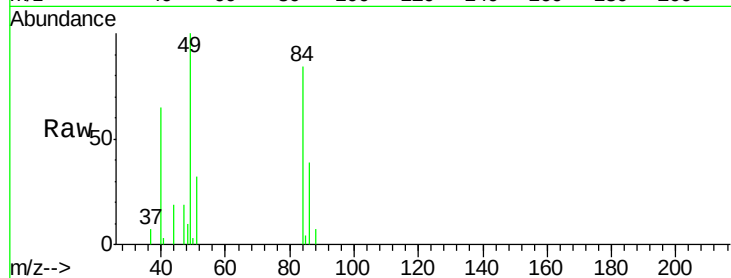




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064642.D
Acq: 27 Dec 2019 13:57

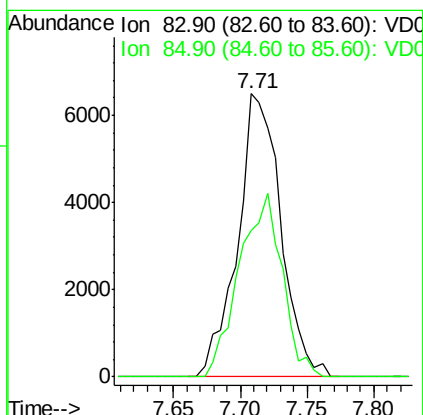
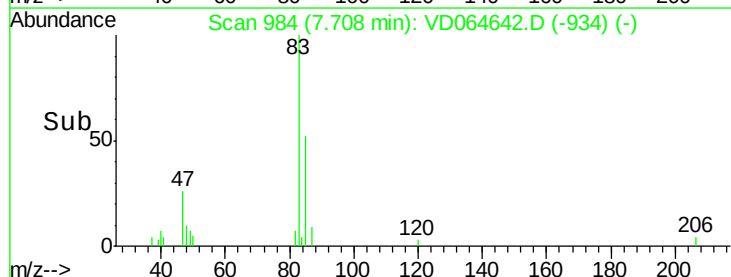
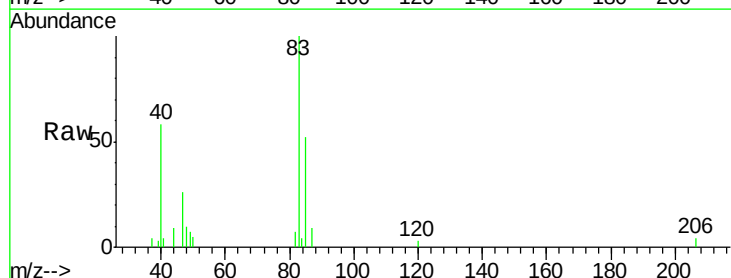
Instrument :
MSVOA_D
ClientSampleId :
SB-5-(0-2)

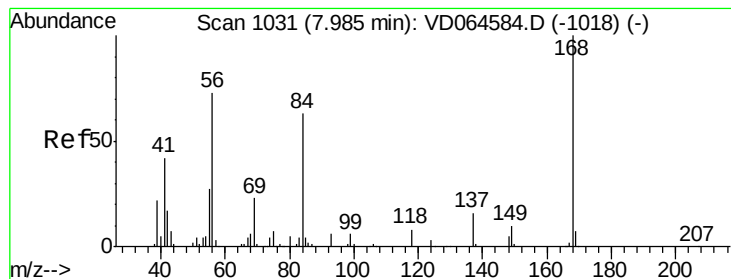
Tgt Ion: 84 Resp: 12184
Ion Ratio Lower Upper
84 100
49 119.3 97.2 145.8
51 37.9 31.4 47.0
86 46.4 49.3 73.9#



#30
Chloroform
Concen: 1.452 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064642.D
Acq: 27 Dec 2019 13:57

Tgt Ion: 83 Resp: 14542
Ion Ratio Lower Upper
83 100
85 51.9 51.1 76.7





#31

Cyclohexane

Concen: 1.254 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064642.D

Acq: 27 Dec 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

SB-5-(0-2)

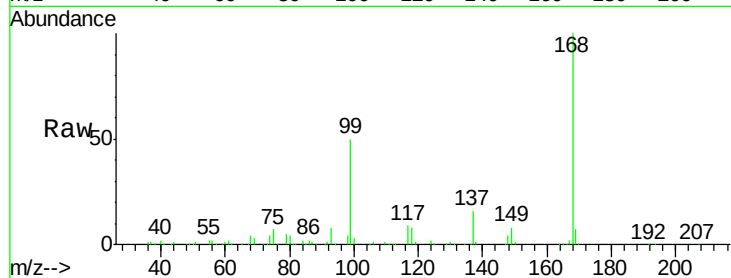
Tgt Ion: 56 Resp: 11976

Ion Ratio Lower Upper

56 100

69 137.4 24.7 37.1#

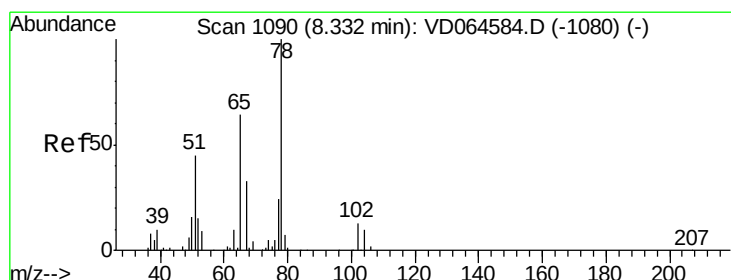
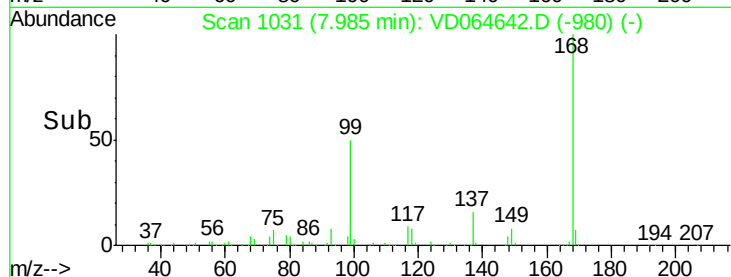
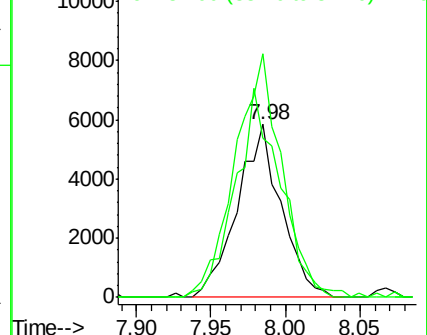
84 92.1 69.4 104.2



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: 51.512 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064642.D

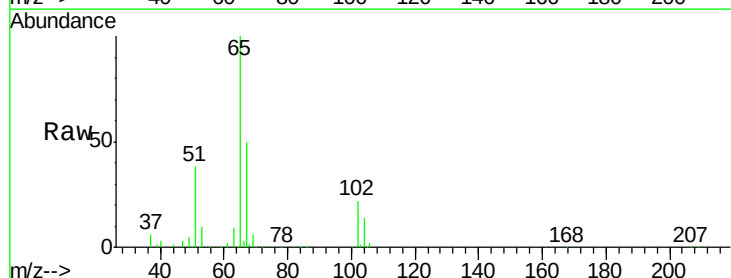
Acq: 27 Dec 2019 13:57

Tgt Ion: 65 Resp: 263948

Ion Ratio Lower Upper

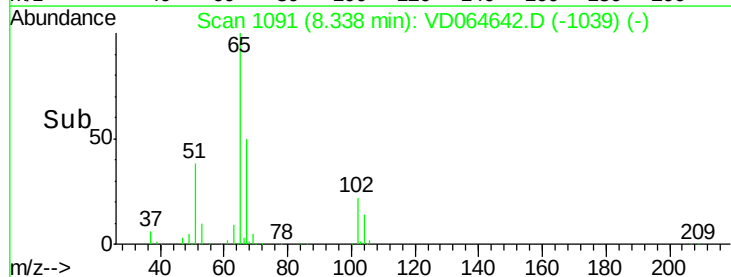
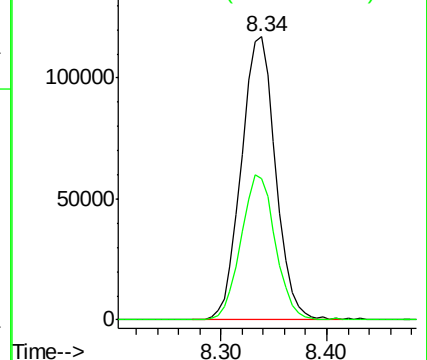
65 100

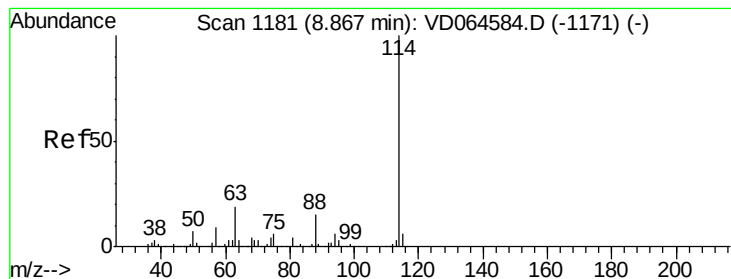
67 51.1 0.0 106.2



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: VD064642.D

Acq: 27 Dec 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

SB-5-(0-2)

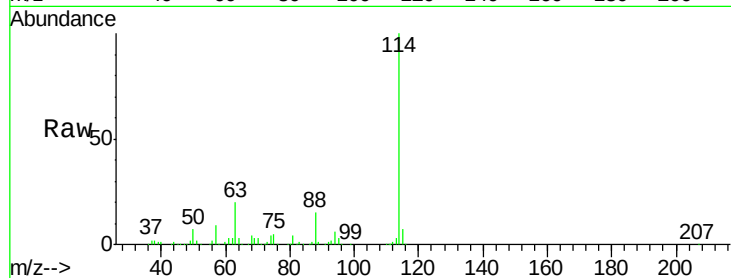
Tgt Ion:114 Resp: 866195

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.0

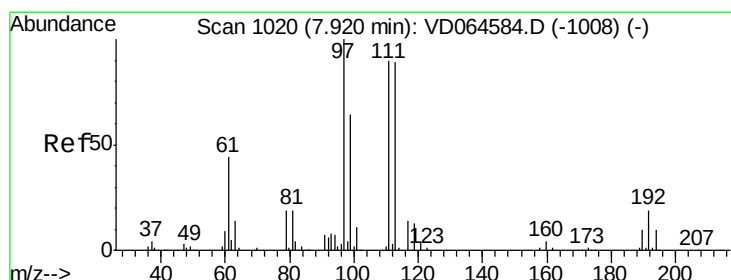
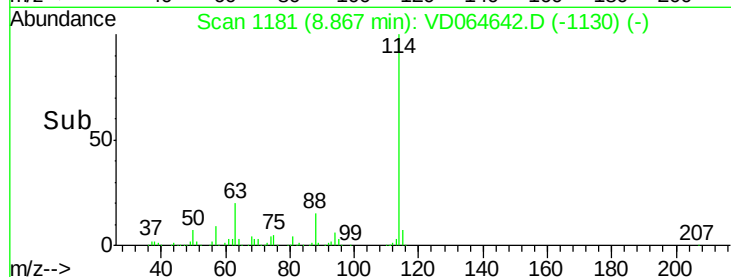
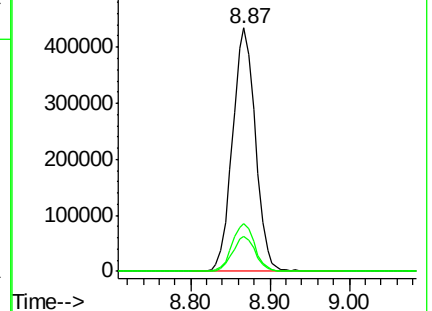
88 14.6 0.0 29.2



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: 49.960 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064642.D

Acq: 27 Dec 2019 13:57

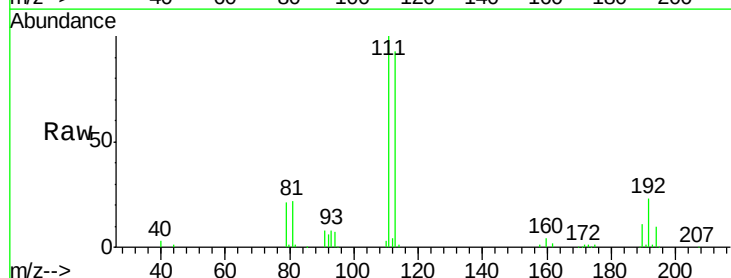
Tgt Ion:113 Resp: 265499

Ion Ratio Lower Upper

113 100

111 101.8 80.6 121.0

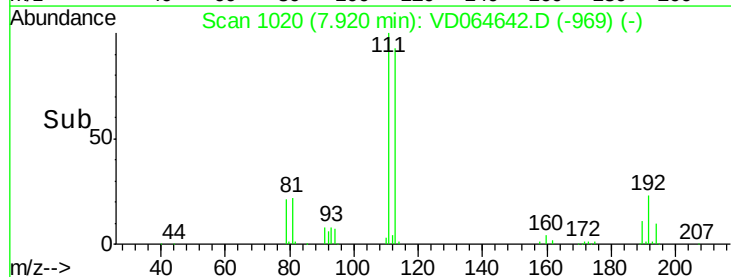
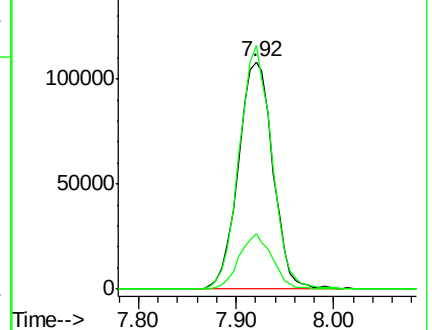
192 23.4 17.9 26.9

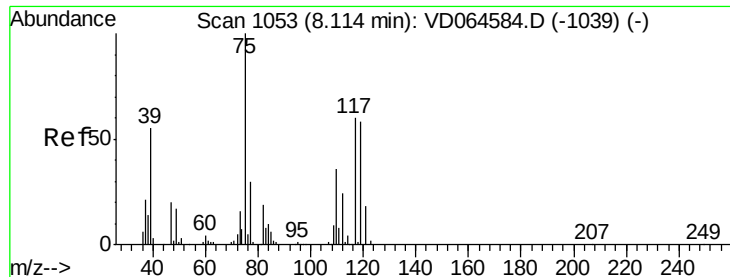


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.720 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064642.D

Acq: 27 Dec 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

SB-5-(0-2)

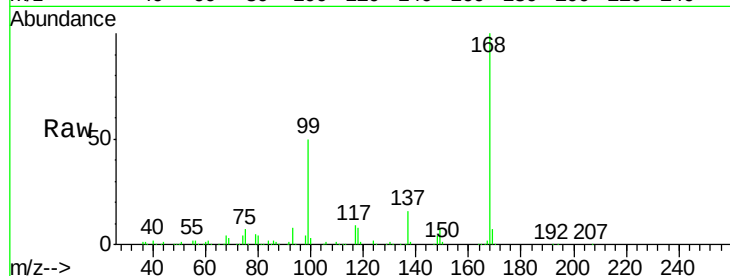
Tgt Ion: 75 Resp: 39347

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.1#

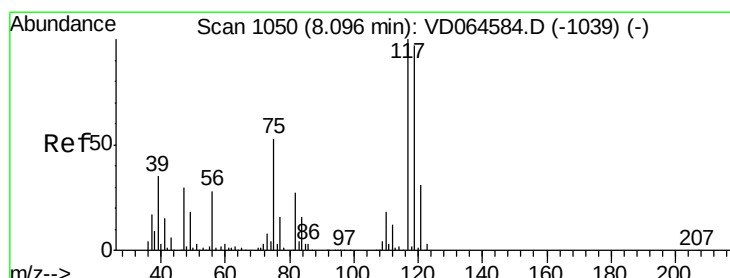
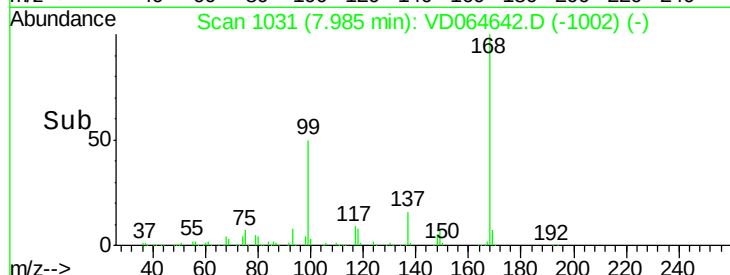
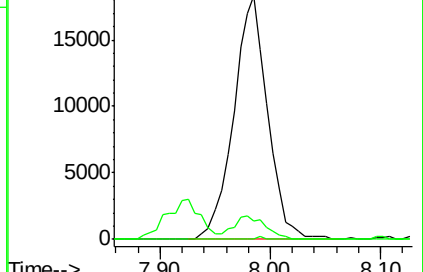
77 0.2 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VD064642.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD064642.D (-999) (-)

Ion 76.90 (76.60 to 77.60): VD064642.D (-999) (-)



#38

Carbon Tetrachloride

Concen: 6.018 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064642.D

Acq: 27 Dec 2019 13:57

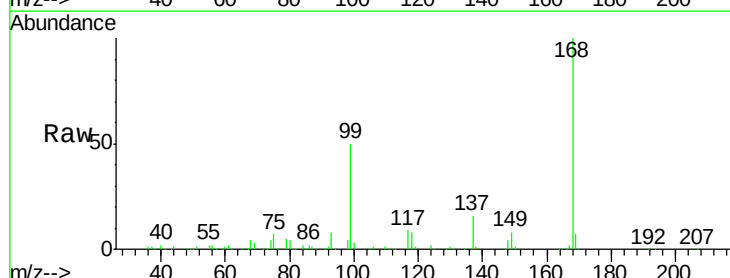
Tgt Ion: 117 Resp: 53501

Ion Ratio Lower Upper

117 100

119 5.5 77.3 115.9#

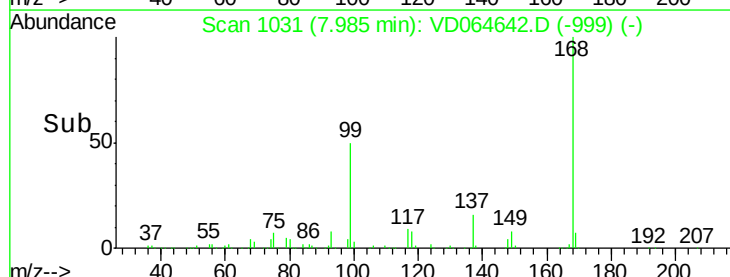
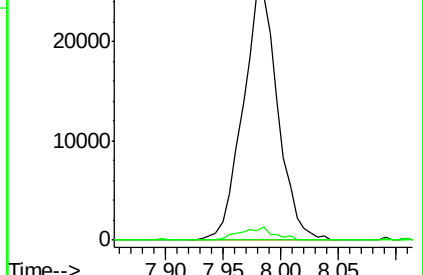
121 0.0 25.0 37.6#

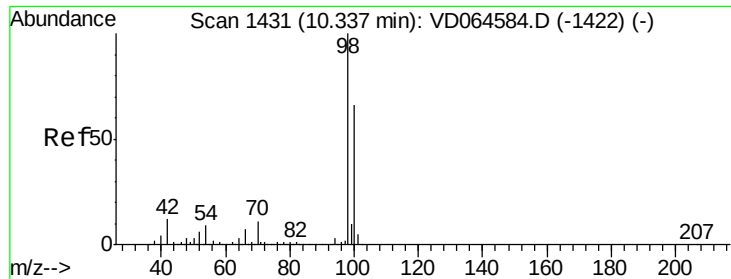


Abundance Ion 116.80 (116.50 to 117.50): VD064642.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD064642.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD064642.D (-999) (-)

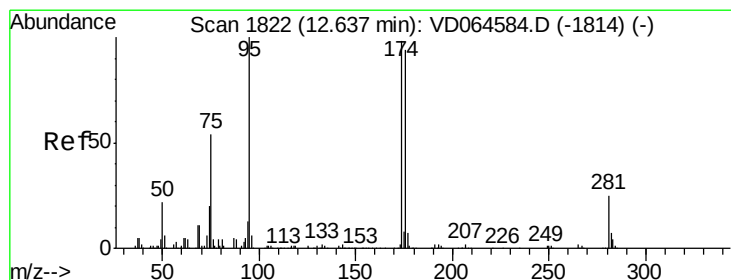
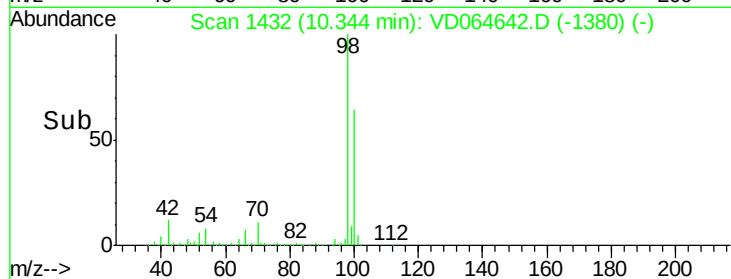
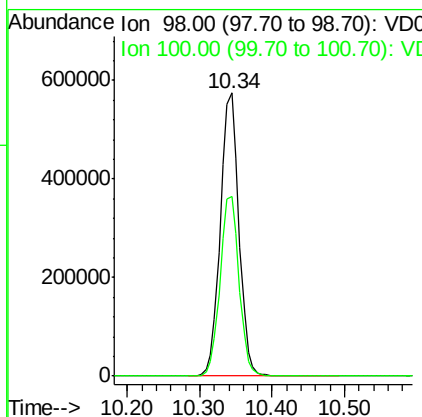
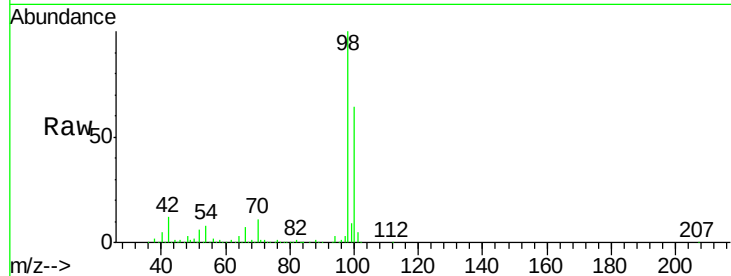




#50
Toluene-d8
Concen: 50.473 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064642.D
Acq: 27 Dec 2019 13:57

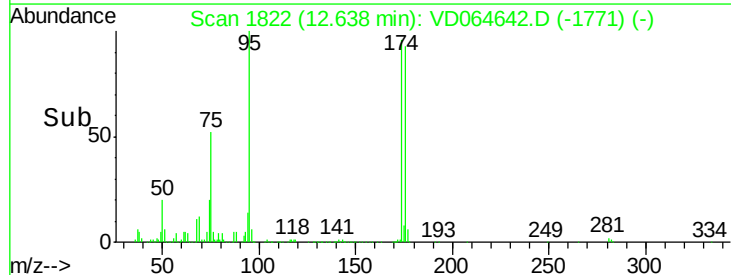
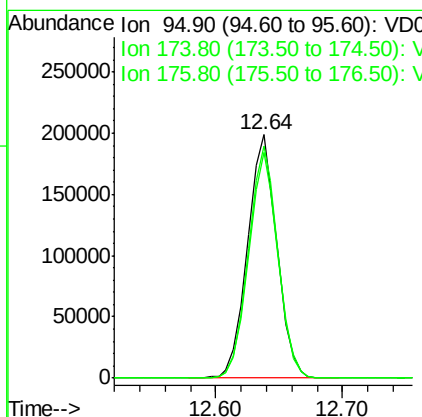
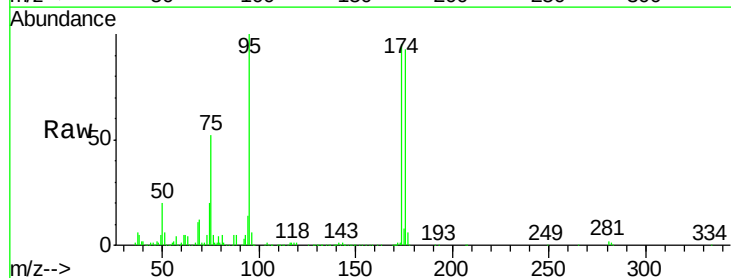
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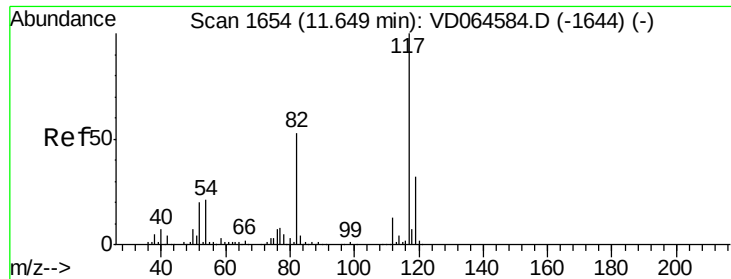
Tgt Ion: 98 Resp: 1027272
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 49.426 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064642.D
Acq: 27 Dec 2019 13:57

Tgt Ion: 95 Resp: 318101
Ion Ratio Lower Upper
95 100
174 96.2 0.0 193.2
176 92.9 0.0 184.2

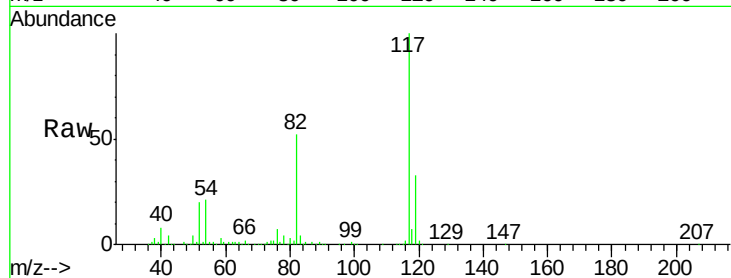




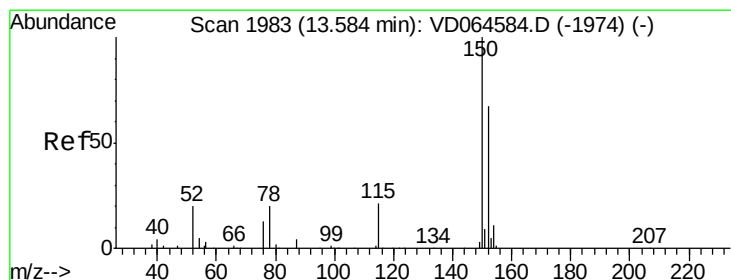
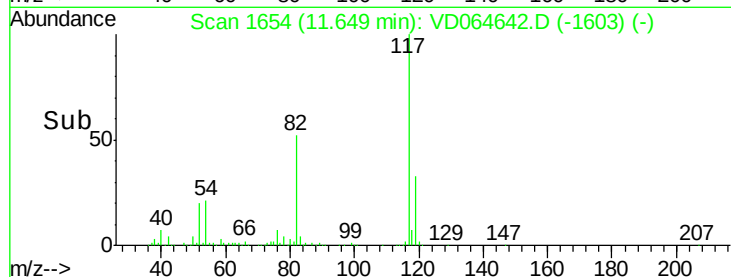
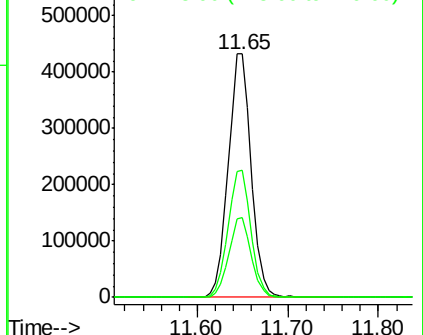
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064642.D
Acq: 27 Dec 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
SB-5-(0-2)

Tgt Ion:117 Resp: 760474
Ion Ratio Lower Upper
117 100
82 52.3 42.2 63.4
119 33.0 26.0 39.0

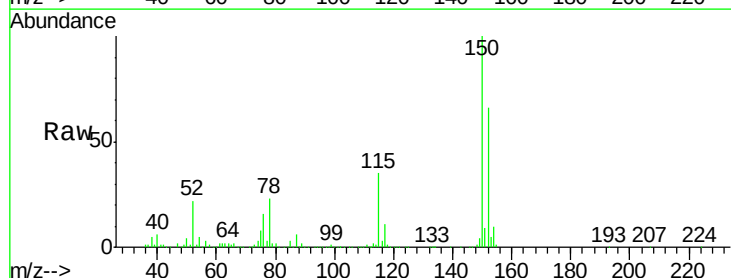


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

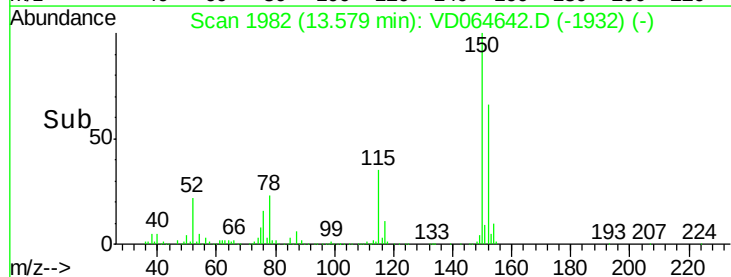
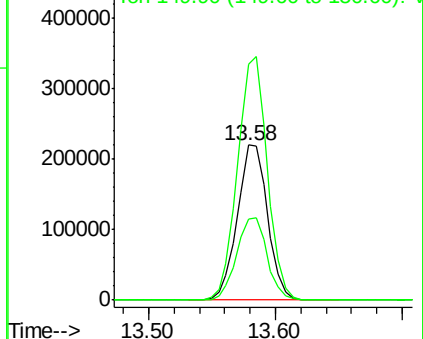


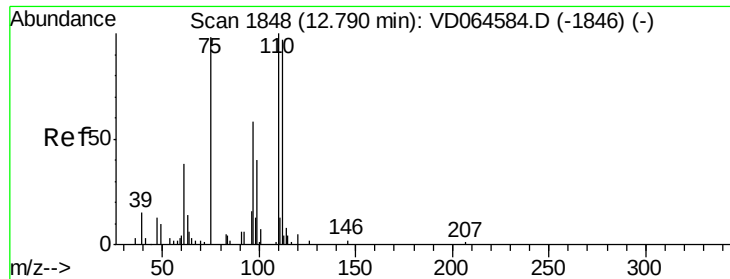
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064642.D
Acq: 27 Dec 2019 13:57

Tgt Ion:152 Resp: 361288
Ion Ratio Lower Upper
152 100
115 53.8 27.8 83.4
150 154.8 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: 59.886 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064642.D

Acq: 27 Dec 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

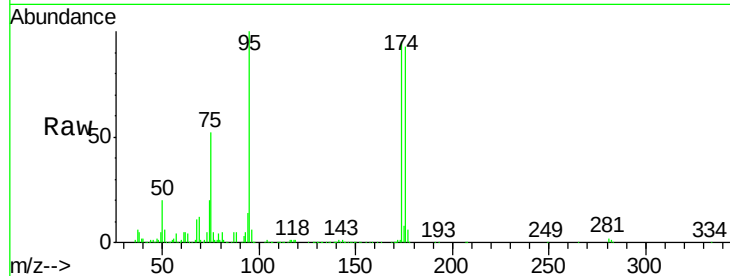
SB-5-(0-2)

Tgt Ion: 75 Resp: 170853

Ion Ratio Lower Upper

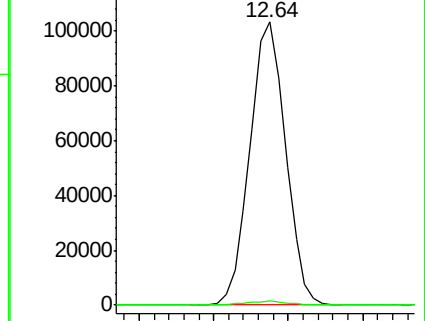
75 100

77 1.6 0.0 0.0#

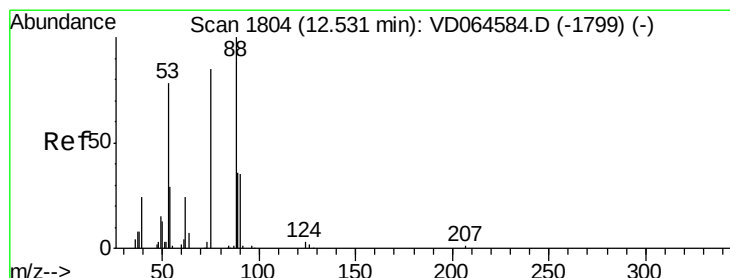
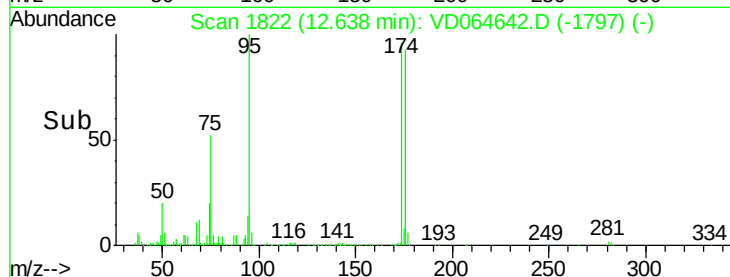


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 125.250 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064642.D

Acq: 27 Dec 2019 13:57

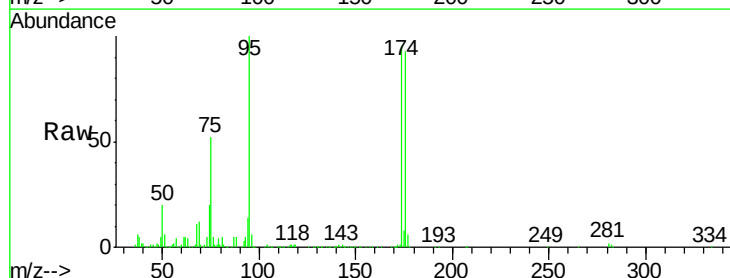
Tgt Ion: 75 Resp: 170853

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

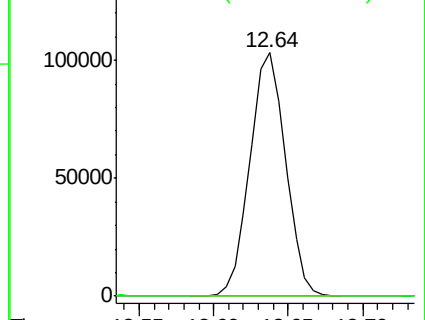
89 0.0 38.3 57.5#



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



Time--> 12.55 12.60 12.65 12.70

