

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064630.D
 Acq On : 27 Dec 2019 07:19
 Operator : VA/SY
 Sample : K6439-10
 Misc : 4.60G/5.00ml/MSVOA D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF007-01

Quant Time: Dec 27 07:48:19 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

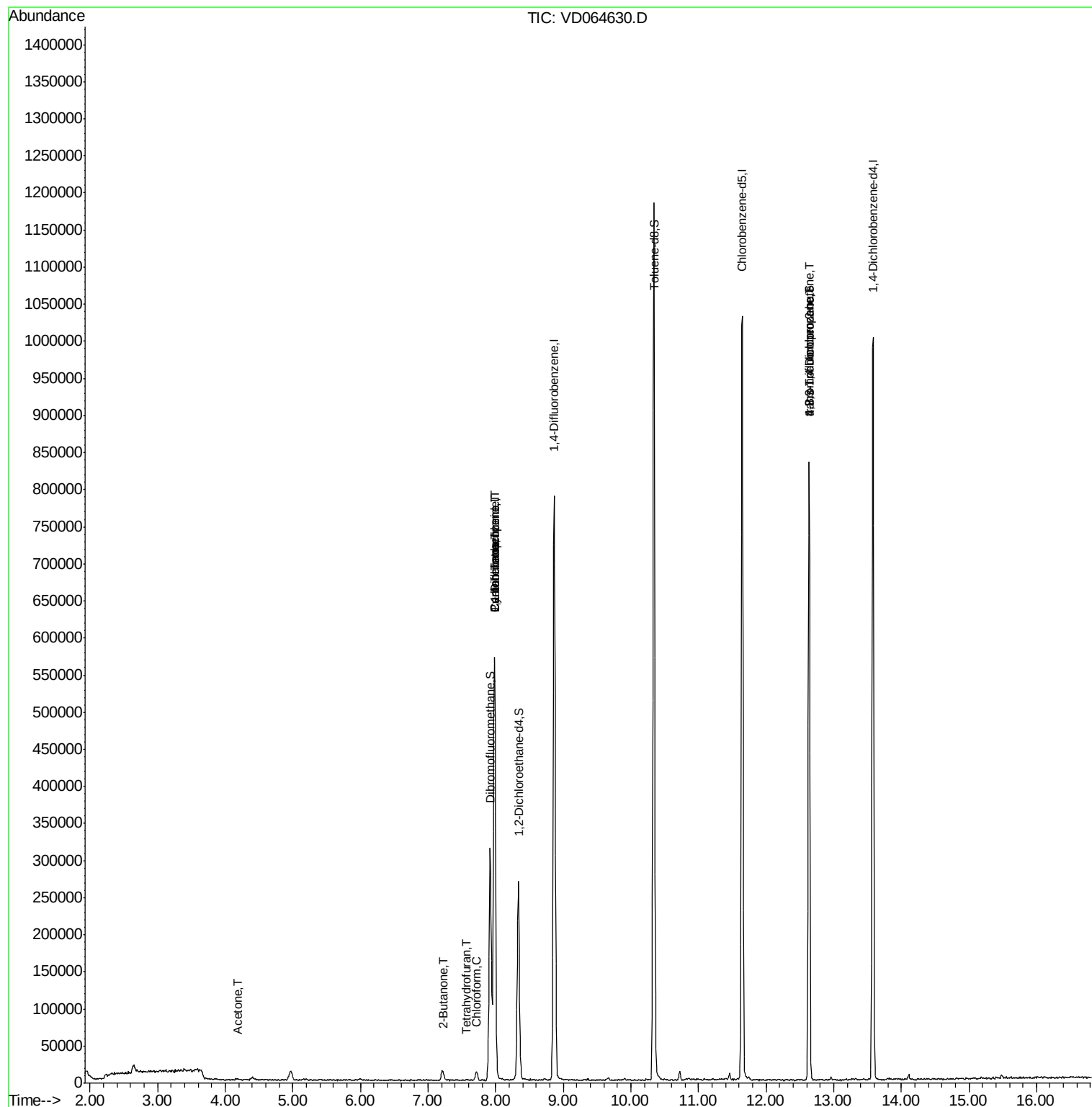
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	443569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	681476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	593156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	278919	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	211174	53.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.98%	
35) Dibromofluoromethane	7.92	113	208647	49.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.80%	
50) Toluene-d8	10.34	98	803982	50.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.64	95	240764	47.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.10%	
Target Compounds						
					Qvalue	
16) Acetone	4.18	43	3329	7.747	ug/l	96
20) Methylene Chloride	4.97	84	8826	Below Cal	#	86
25) 2-Butanone	7.23	43	1297	1.206	ug/l #	49
29) Tetrahydrofuran	7.57	42	740	1.107	ug/l #	33
30) Chloroform	7.71	83	10756	1.407	ug/l	92
31) Cyclohexane	7.98	56	9355	1.283	ug/l #	19
36) 1,1-Dichloropropene	7.98	75	31704	4.834	ug/l #	50
38) Carbon Tetrachloride	7.98	117	41549	5.941	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	127255	57.777	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	127255	120.839	ug/l #	10

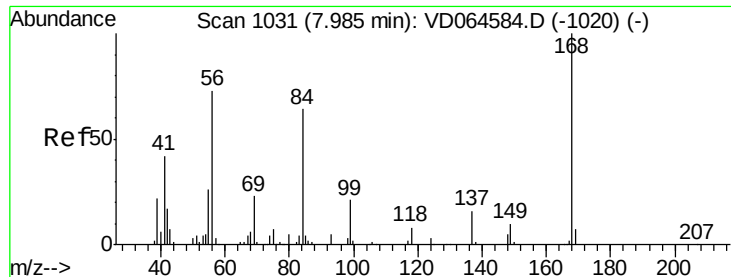
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064630.D

Acq: 27 Dec 2019 07:19

Instrument :

MSVOA_D

ClientSampleId :

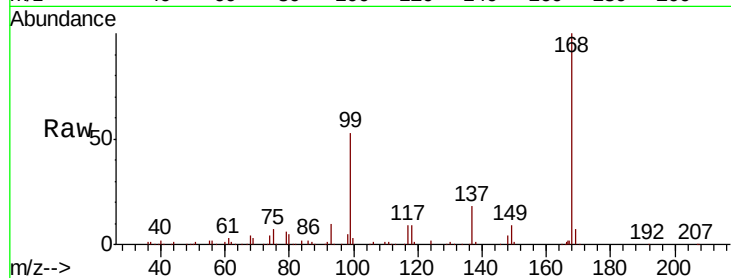
LIED-BF007-01

Tot Ion:168 Resp: 443569

Ion Ratio Lower Upper

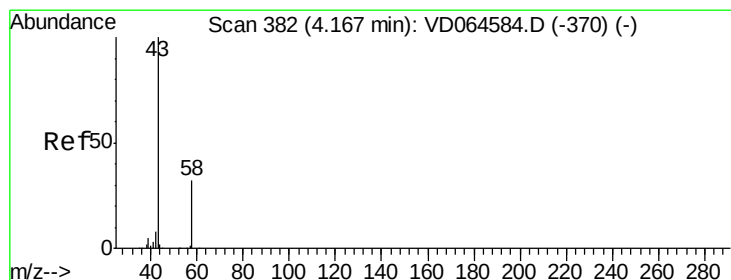
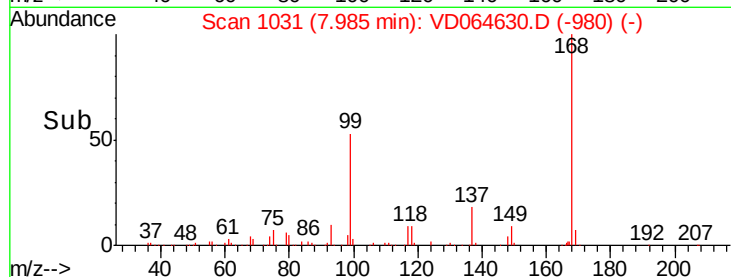
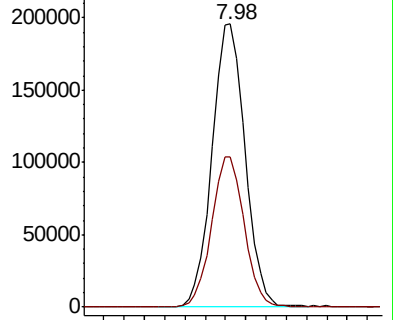
168 100

99 53.0 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: 7.747 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064630.D

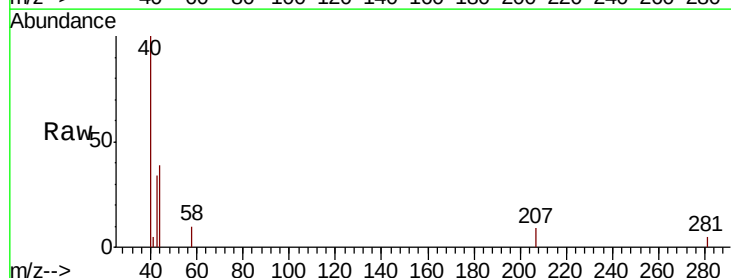
Acq: 27 Dec 2019 07:19

Tgt Ion: 43 Resp: 3329

Ion Ratio Lower Upper

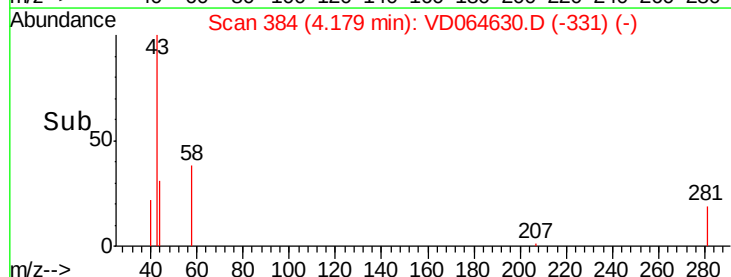
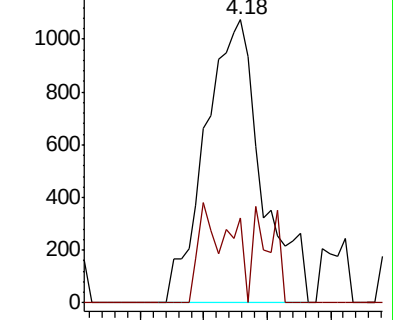
43 100

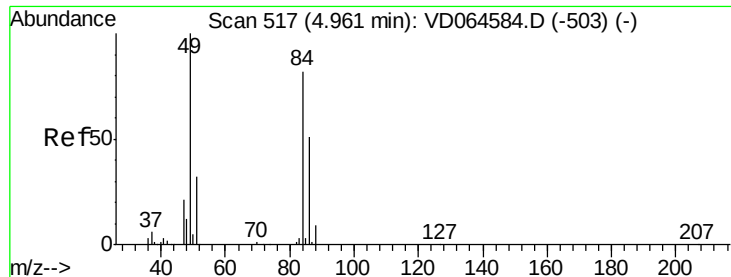
58 30.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

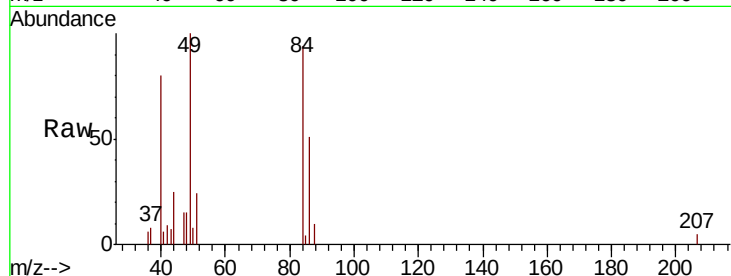




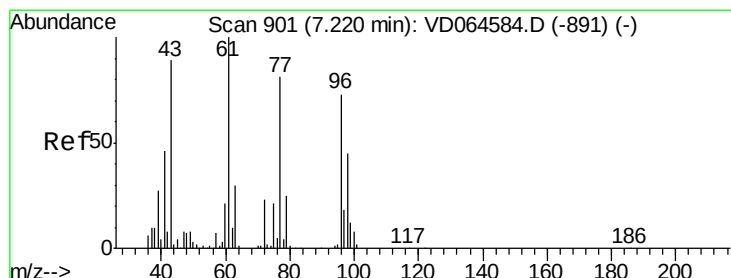
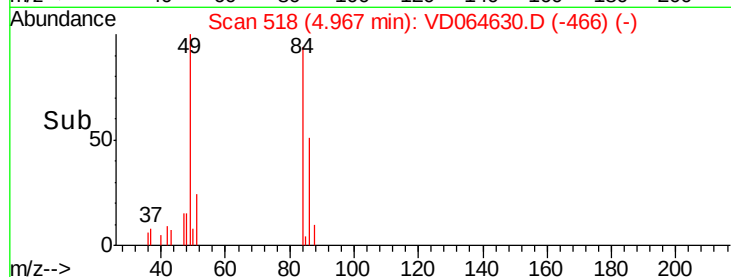
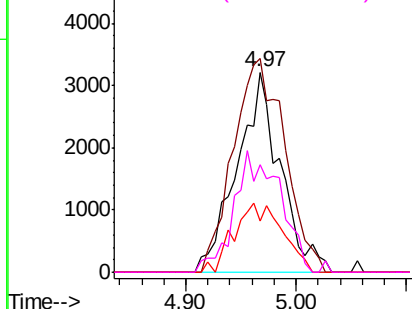
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064630.D
Acq: 27 Dec 2019 07:19

Instrument :
MSVOA_D
ClientSampleId :
LIED-BF007-01

Tot Ion: 84 Resp: 8826
Ion Ratio Lower Upper
84 100
49 106.8 97.2 145.8
51 25.8 31.4 47.0#
86 54.0 49.3 73.9

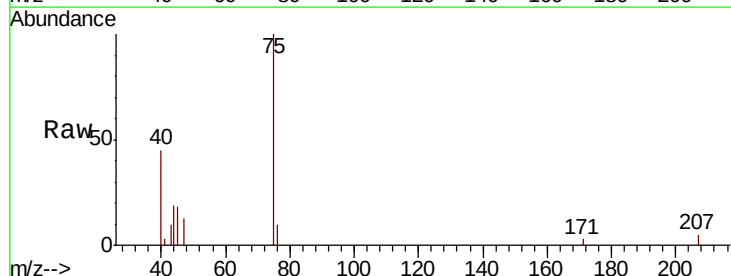


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

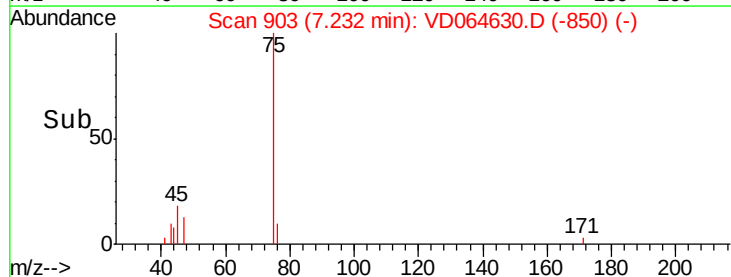
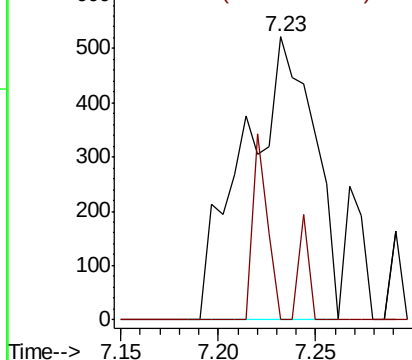


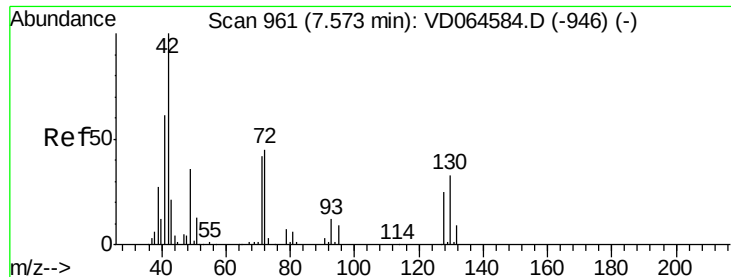
#25
2-Butanone
Concen: 1.206 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064630.D
Acq: 27 Dec 2019 07:19

Tgt Ion: 43 Resp: 1297
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

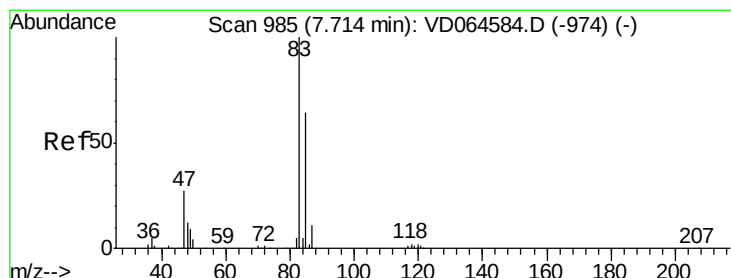
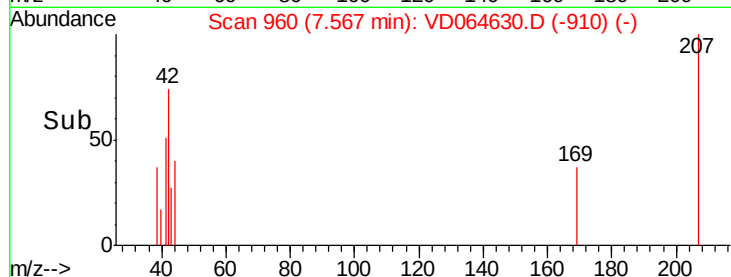
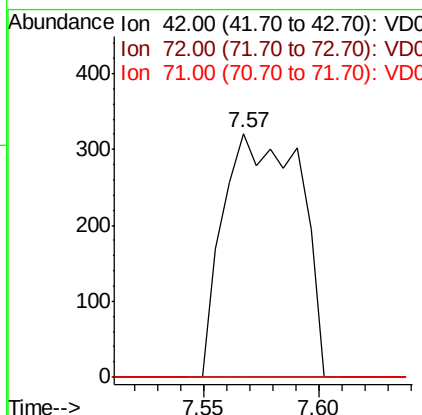
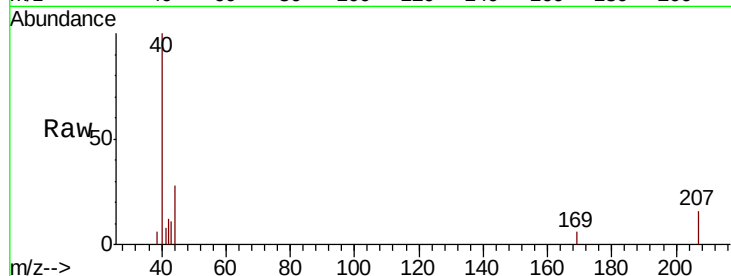




#29
Tetrahydrofuran
Concen: 1.107 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064630.D
Acq: 27 Dec 2019 07:19

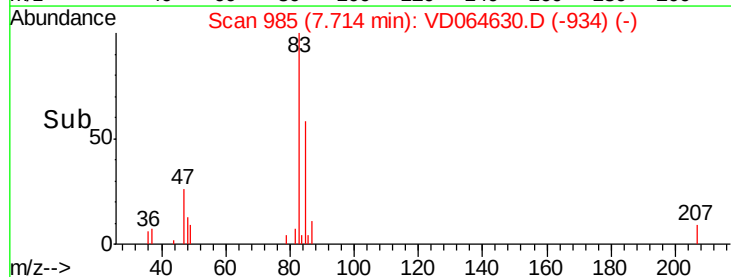
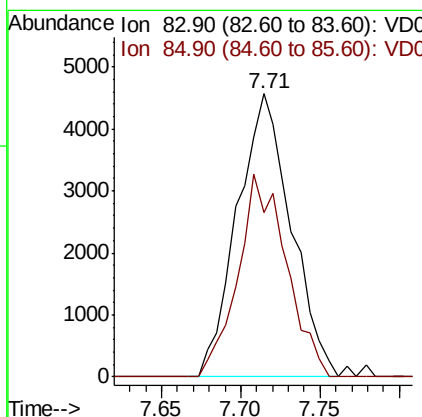
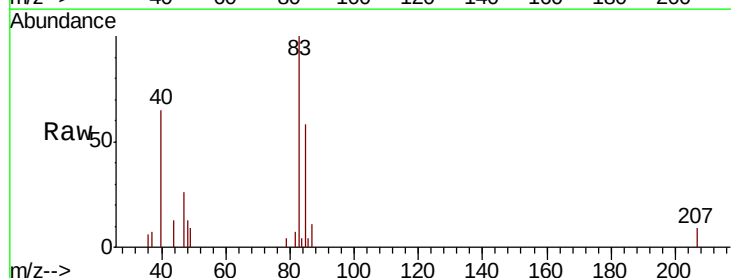
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF007-01

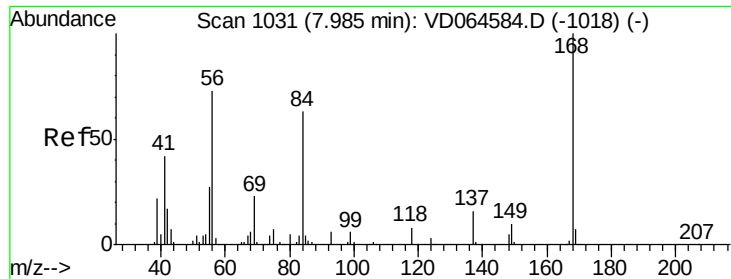
Tot Ion: 42 Resp: 740
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 0.0 32.9 49.3#



#30
Chloroform
Concen: 1.407 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064630.D
Acq: 27 Dec 2019 07:19

Tgt Ion: 83 Resp: 10756
Ion Ratio Lower Upper
83 100
85 57.9 51.1 76.7

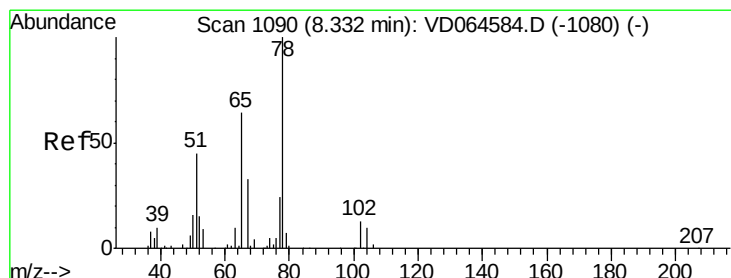
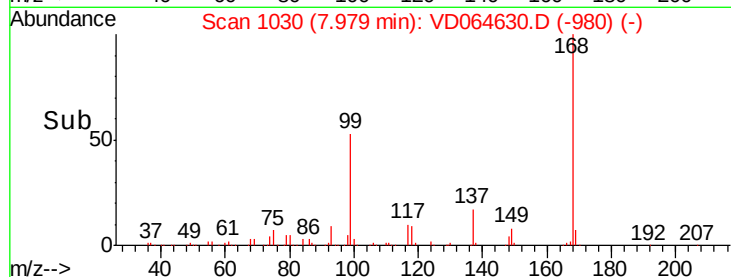
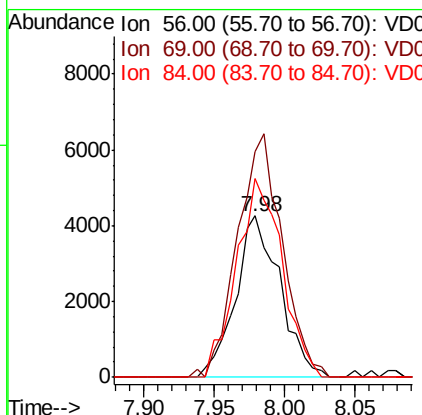
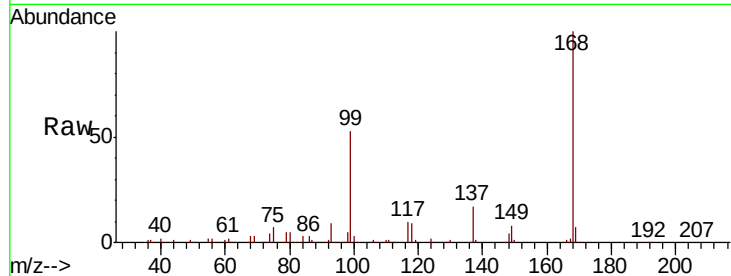




#31
Cyclohexane
Concen: 1.283 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064630.D
Acq: 27 Dec 2019 07:19

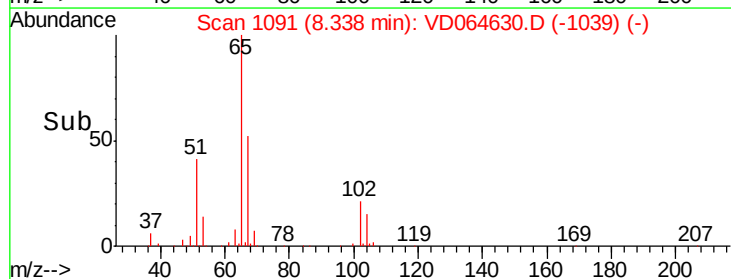
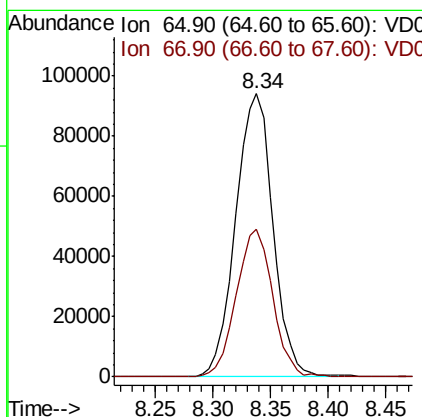
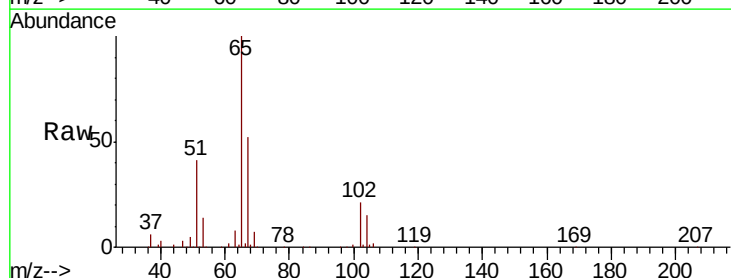
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF007-01

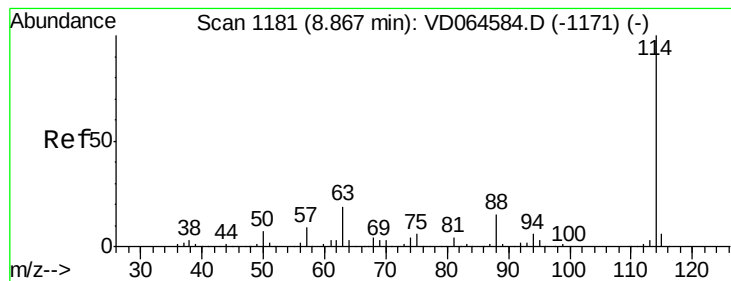
Tot Ion: 56 Resp: 9355
Ion Ratio Lower Upper
56 100
69 139.5 24.7 37.1#
84 122.8 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 53.990 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064630.D
Acq: 27 Dec 2019 07:19

Tgt Ion: 65 Resp: 211174
Ion Ratio Lower Upper
65 100
67 51.0 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064630.D

Acq: 27 Dec 2019 07:19

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF007-01

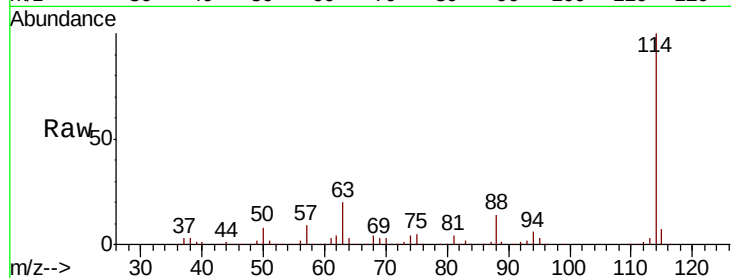
Tot Ion:114 Resp: 681476

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.0

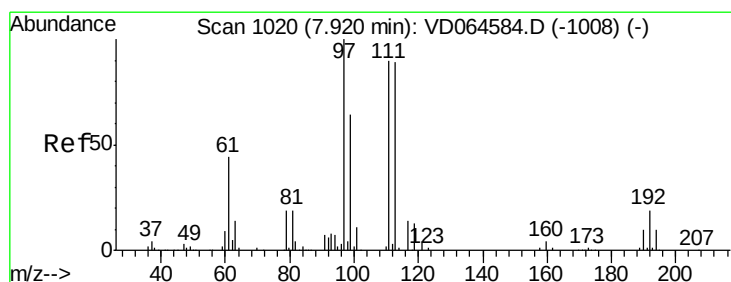
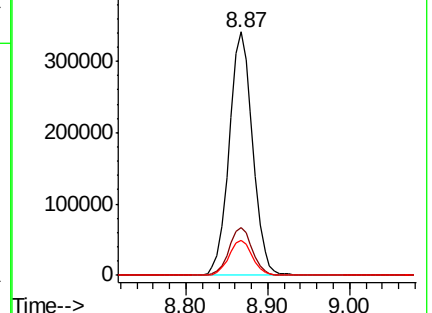
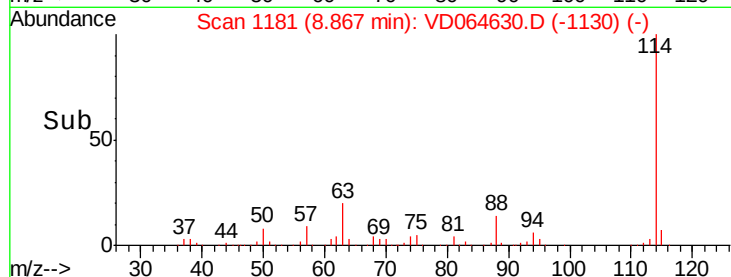
88 14.4 0.0 29.2



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: 49.904 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064630.D

Acq: 27 Dec 2019 07:19

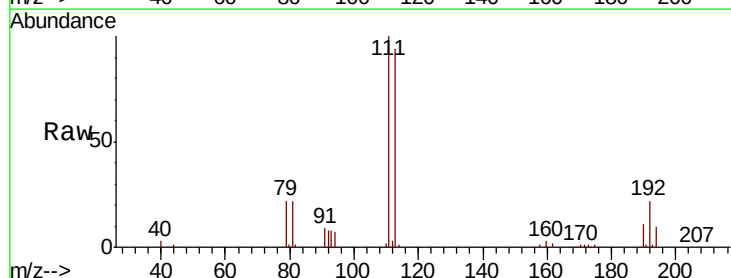
Tgt Ion:113 Resp: 208647

Ion Ratio Lower Upper

113 100

111 104.5 80.6 121.0

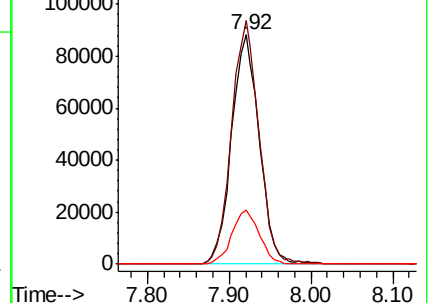
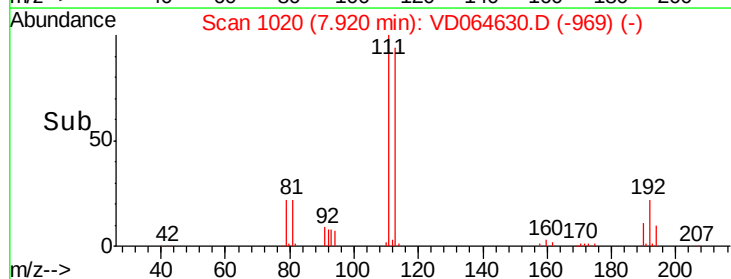
192 23.2 17.9 26.9

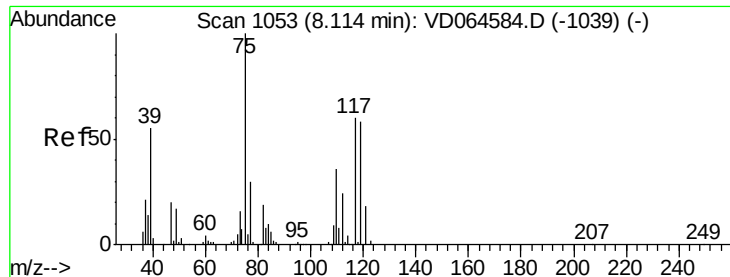


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.834 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064630.D

Acq: 27 Dec 2019 07:19

Instrument :

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ClientSampleId :

LIED-BF007-01

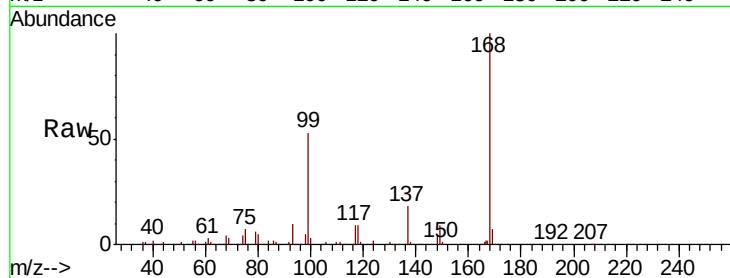
Tot Ion: 75 Resp: 31704

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.1#

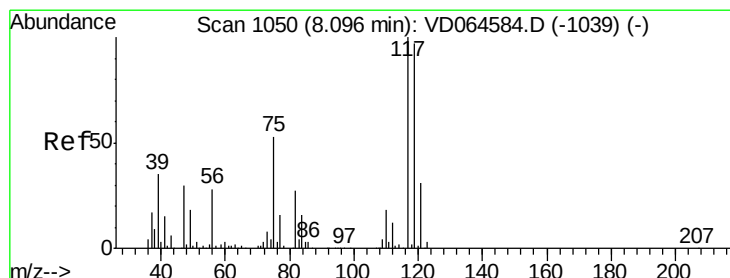
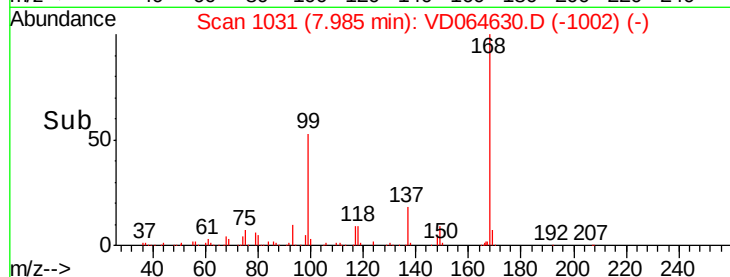
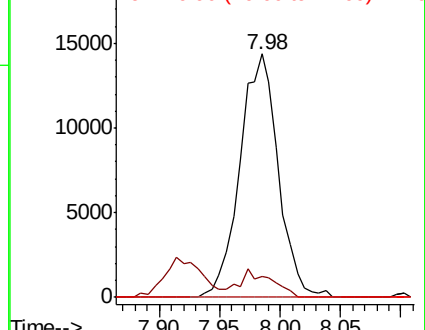
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 5.941 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064630.D

Acq: 27 Dec 2019 07:19

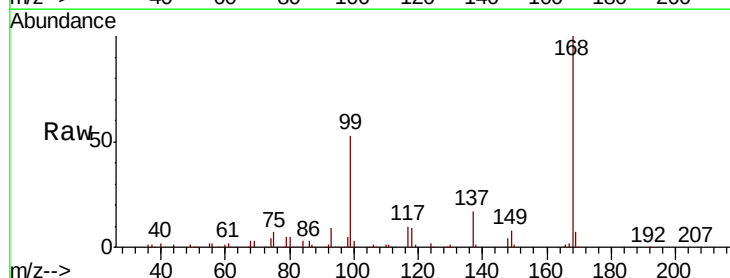
Tgt Ion: 117 Resp: 41549

Ion Ratio Lower Upper

117 100

119 5.4 77.3 115.9#

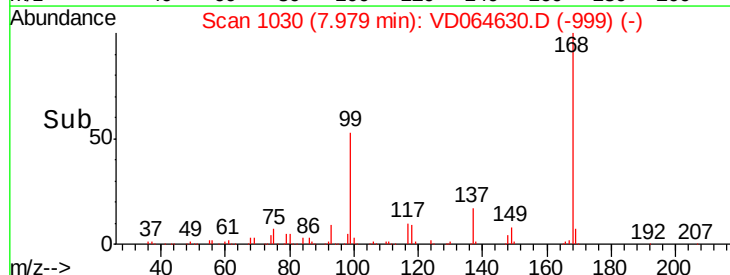
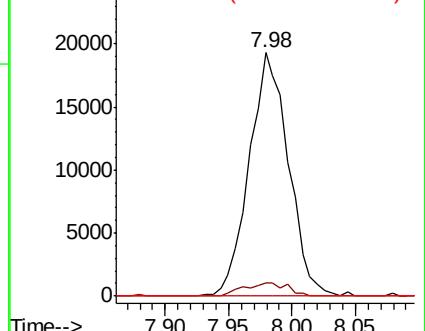
121 0.0 25.0 37.6#

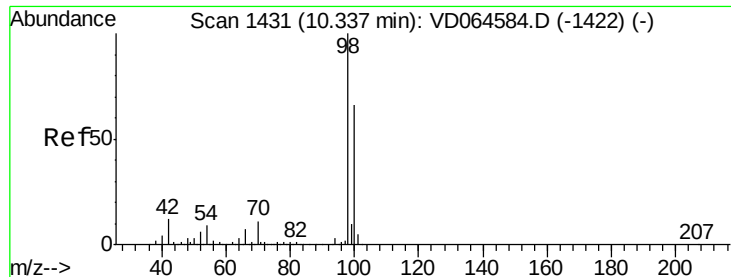


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

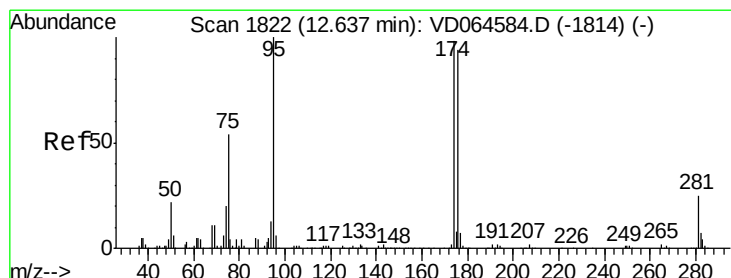
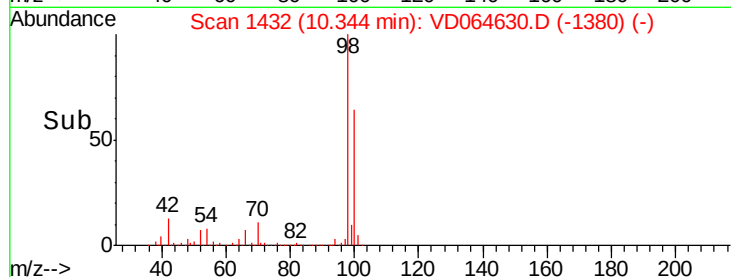
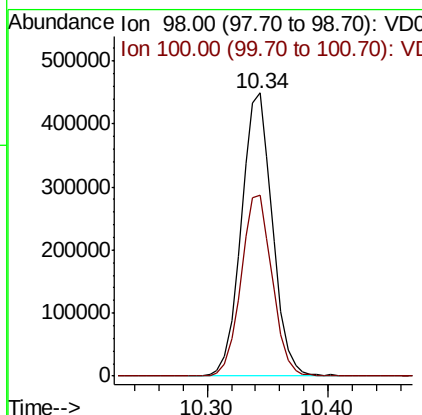
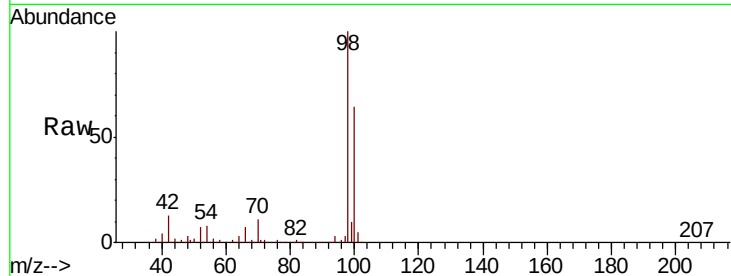




#50
Toluene-d8
Concen: 50.209 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064630.D
Acq: 27 Dec 2019 07:19

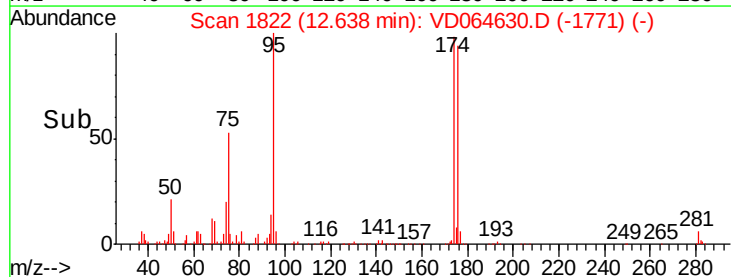
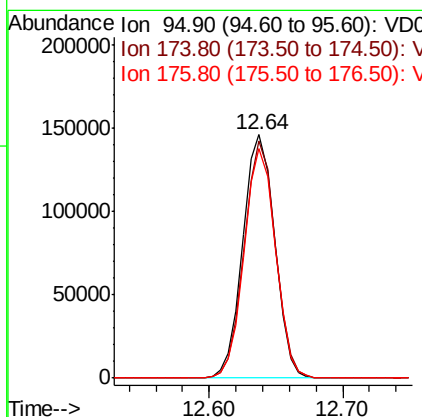
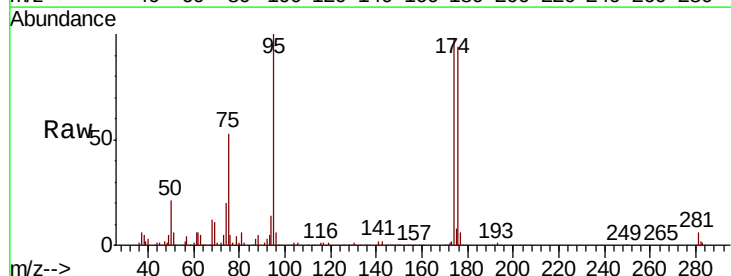
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LIED-BF007-01

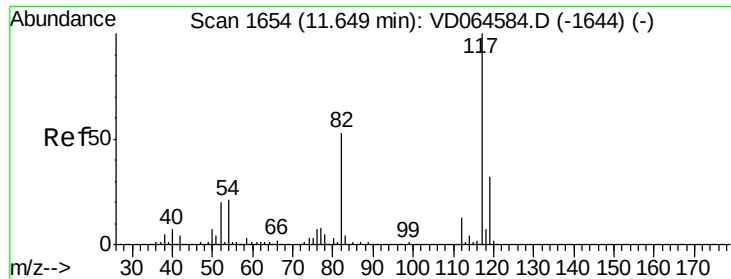
Tot Ion: 98 Resp: 803982
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 47.550 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064630.D
Acq: 27 Dec 2019 07:19

Tgt Ion: 95 Resp: 240764
Ion Ratio Lower Upper
95 100
174 95.4 0.0 193.2
176 92.7 0.0 184.2

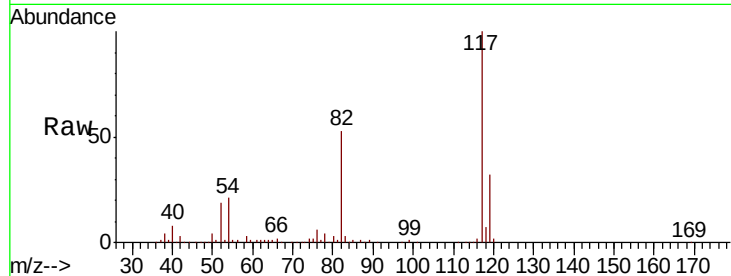




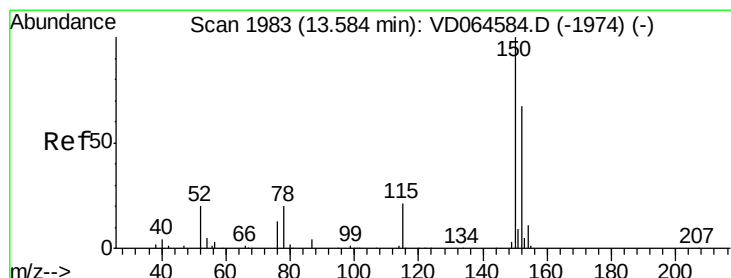
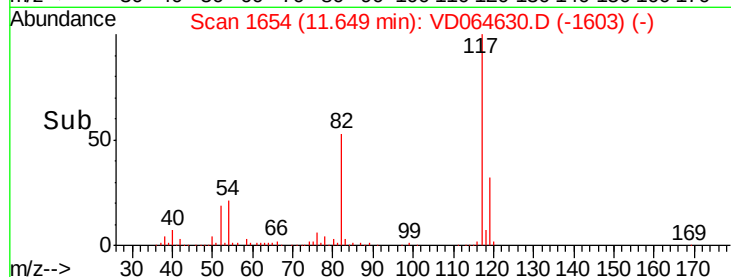
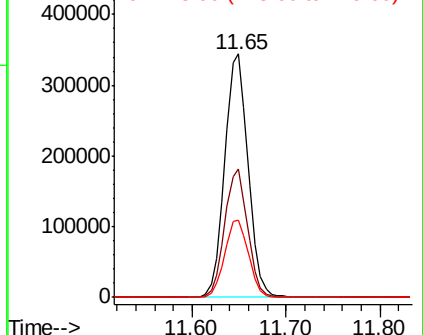
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064630.D
Acq: 27 Dec 2019 07:19

Instrument :
MSVOA_D
ClientSampleId :
LIED-BF007-01

Tot Ion:117 Resp: 593156
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.4
119 31.6 26.0 39.0

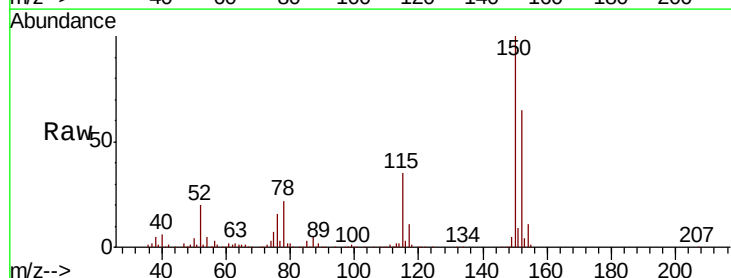


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

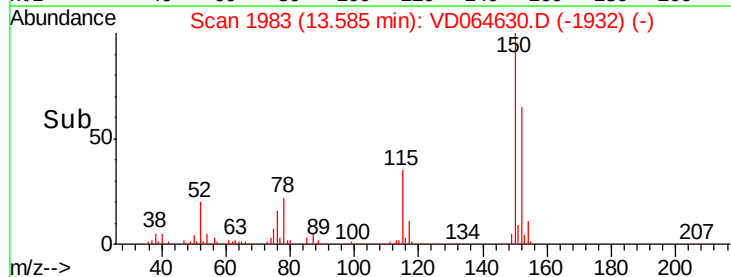
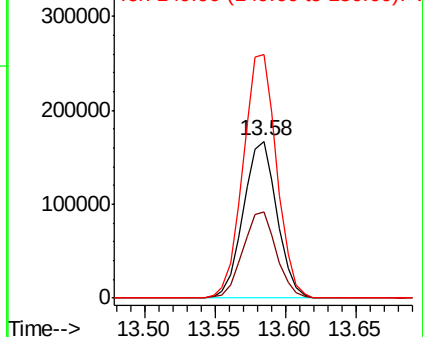


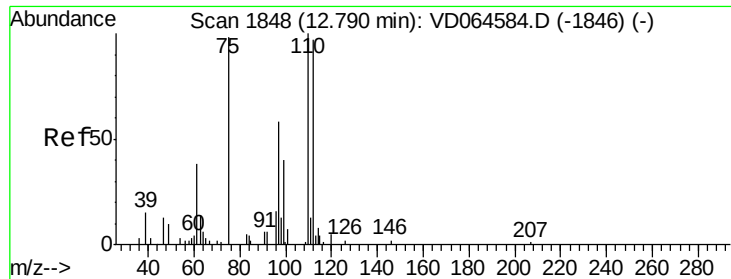
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064630.D
Acq: 27 Dec 2019 07:19

Tgt Ion:152 Resp: 278919
Ion Ratio Lower Upper
152 100
115 54.5 27.8 83.4
150 155.2 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: 57.777 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064630.D

Acq: 27 Dec 2019 07:19

Instrument :

MSVOA_D

ClientSampleId :

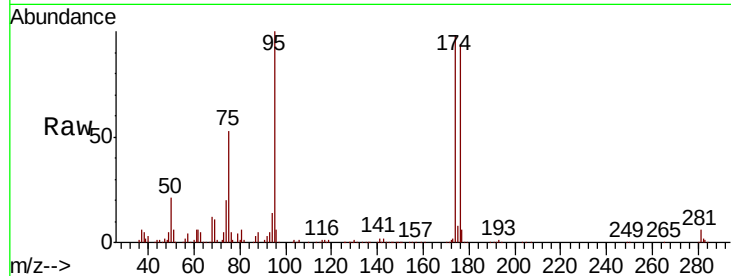
LIED-BF007-01

Tot Ion: 75 Resp: 127255

Ion Ratio Lower Upper

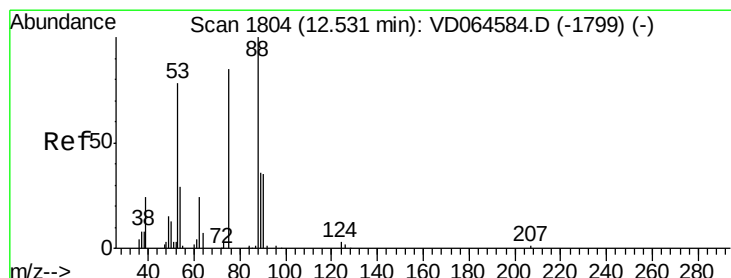
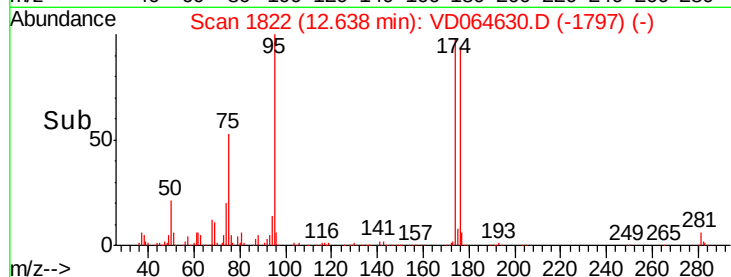
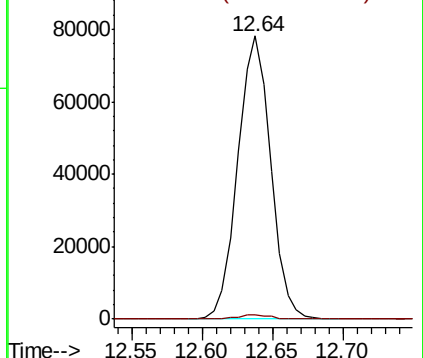
75 100

77 1.5 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: 120.839 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064630.D

Acq: 27 Dec 2019 07:19

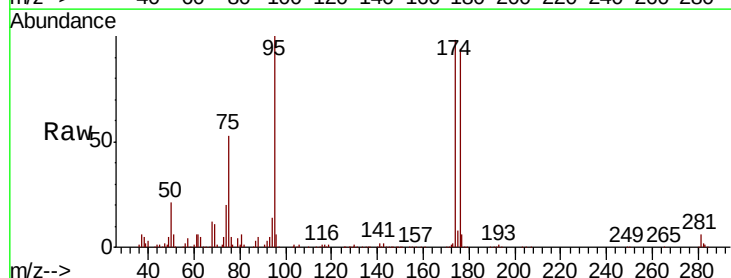
Tgt Ion: 75 Resp: 127255

Ion Ratio Lower Upper

75 100

53 0.1 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

