

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064631.D
 Acq On : 27 Dec 2019 07:48
 Operator : VA/SY
 Sample : K6439-11
 Misc : 5.57G/5.00ml/MSVOA D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF008-01

Quant Time: Dec 27 08:14:07 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

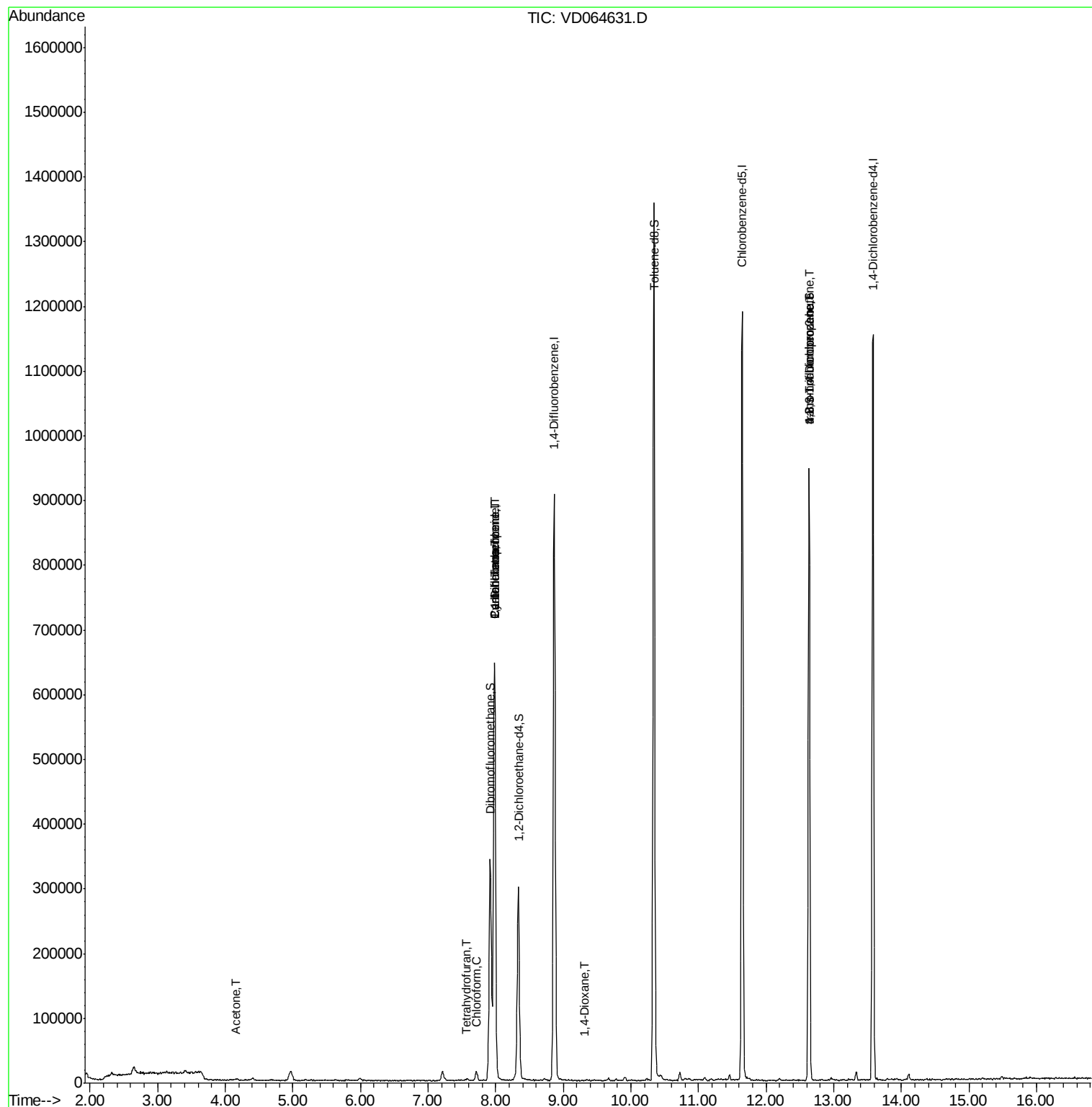
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	514792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	774698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	677242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313655	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	232500	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	7.92	113	235922	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
50) Toluene-d8	10.34	98	917208	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.64	95	272516	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
Target Compounds						
16) Acetone	4.17	43	3866	7.749	ug/l #	85
20) Methylene Chloride	4.97	84	10996	Below Cal		97
29) Tetrahydrofuran	7.58	42	1275	1.643	ug/l #	43
30) Chloroform	7.72	83	12182	1.373	ug/l	92
31) Cyclohexane	7.98	56	11053	1.306	ug/l #	3
36) 1,1-Dichloropropene	7.98	75	36958	4.957	ug/l #	50
38) Carbon Tetrachloride	7.98	117	47579	5.984	ug/l #	15
49) 1,4-Dioxane	9.31	88	64	2.048	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	145543	58.762	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	145543	122.899	ug/l #	10

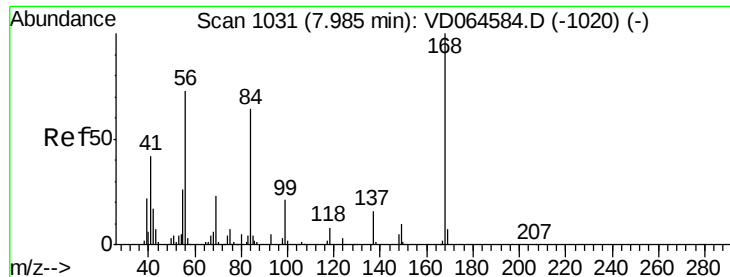
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064631.D

Acq: 27 Dec 2019 07:48

Instrument :

MSVOA_D

ClientSampleId :

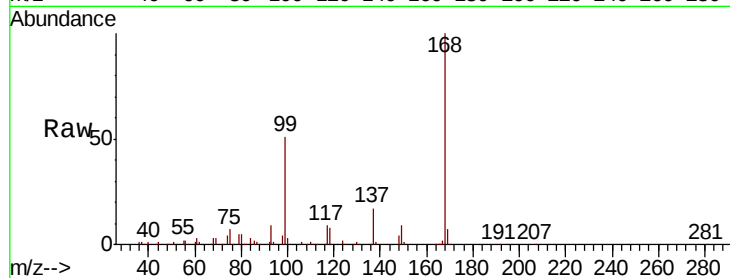
LIED-BF008-01

Tot Ion:168 Resp: 514792

Ion Ratio Lower Upper

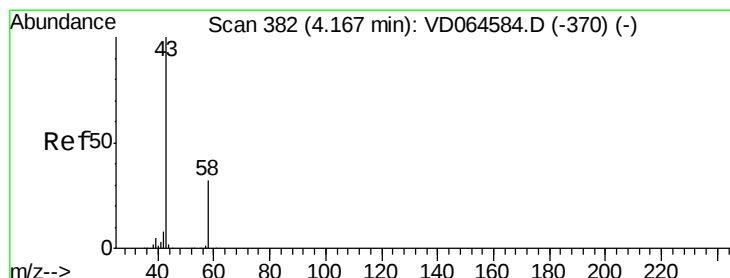
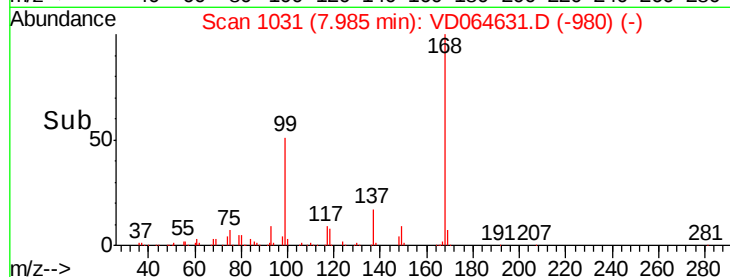
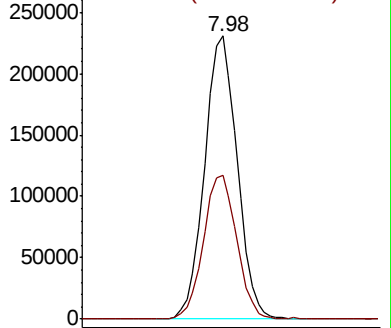
168 100

99 50.8 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: 7.749 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064631.D

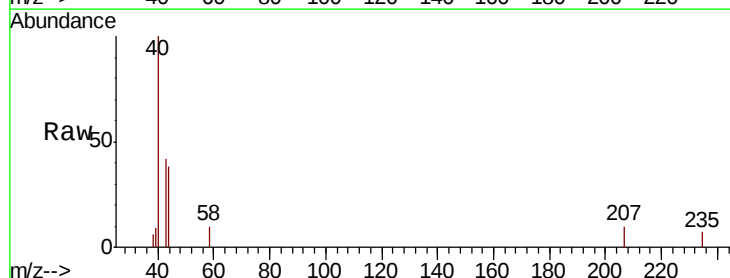
Acq: 27 Dec 2019 07:48

Tgt Ion: 43 Resp: 3866

Ion Ratio Lower Upper

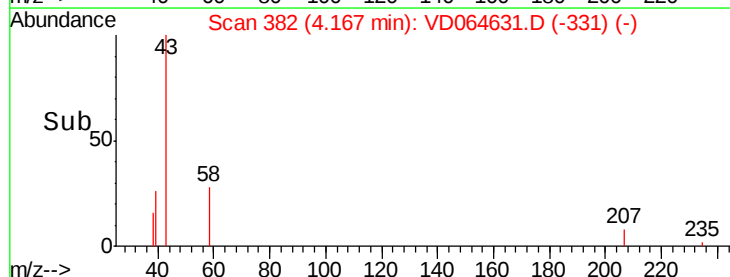
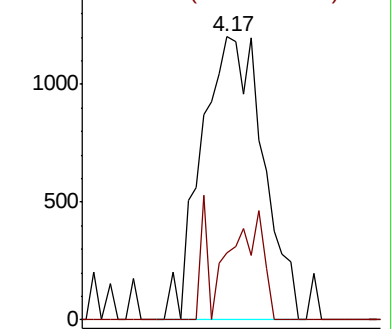
43 100

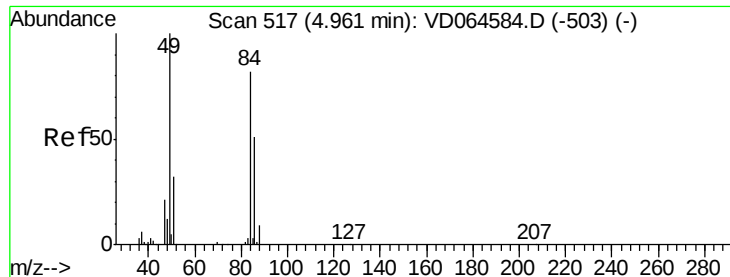
58 23.8 25.8 38.6#



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: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064631.D

Acq: 27 Dec 2019 07:48

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF008-01

Tot Ion: 84 Resp: 10996

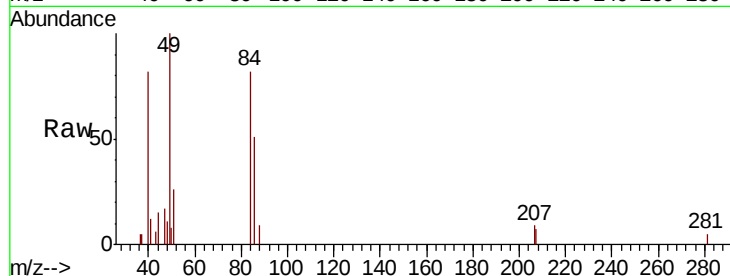
Ion Ratio Lower Upper

84 100

49 122.1 97.2 145.8

51 31.5 31.4 47.0

86 62.8 49.3 73.9

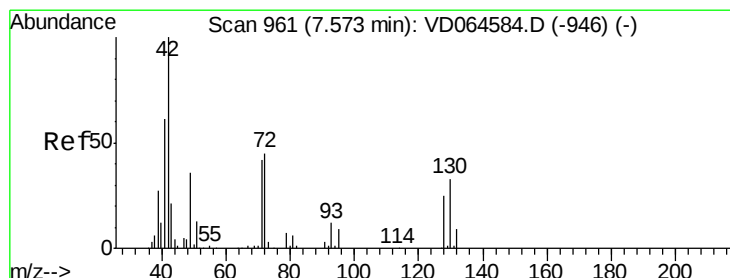
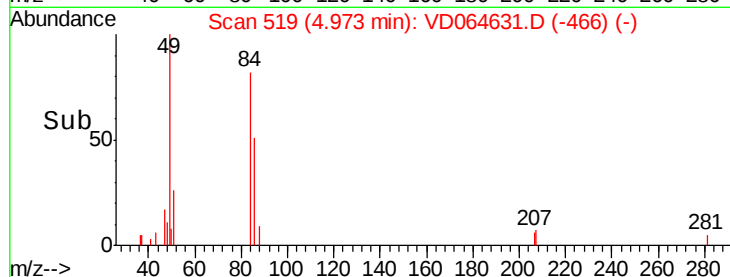
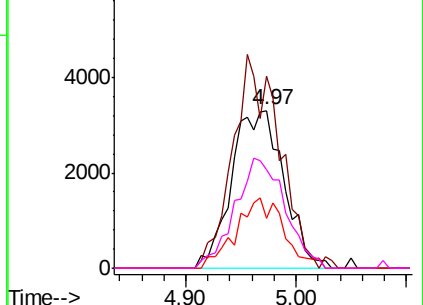


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#29

Tetrahydrofuran

Concen: 1.643 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD064631.D

Acq: 27 Dec 2019 07:48

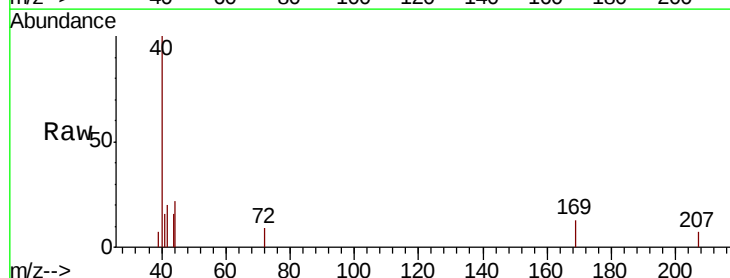
Tgt Ion: 42 Resp: 1275

Ion Ratio Lower Upper

42 100

72 12.6 35.0 52.4#

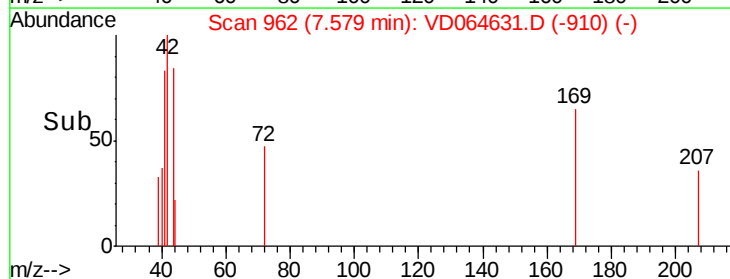
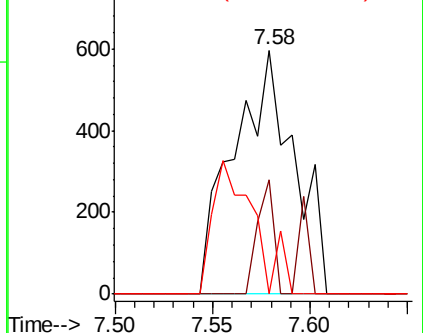
71 0.0 32.9 49.3#

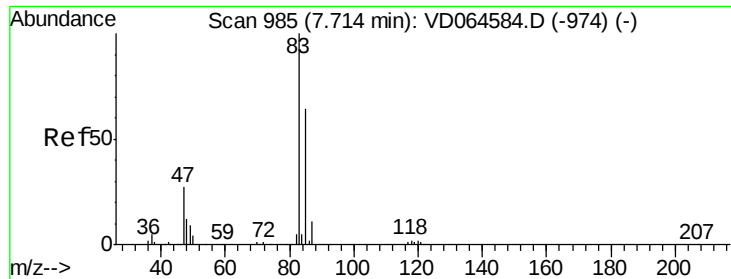


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

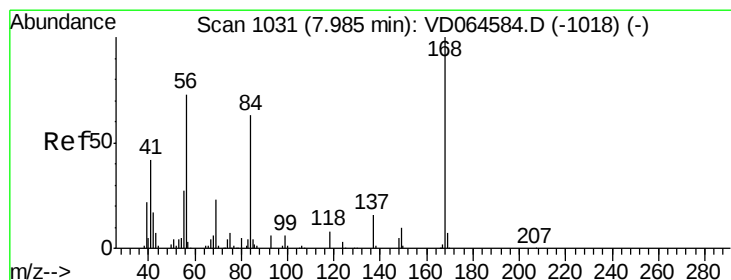
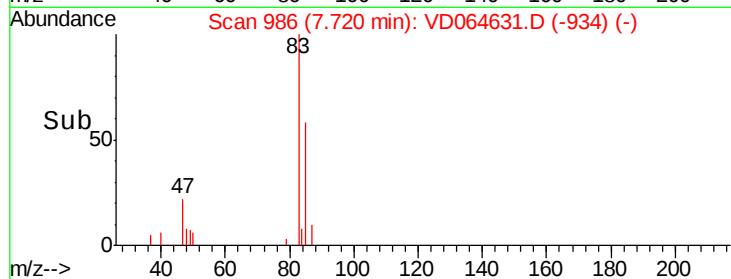
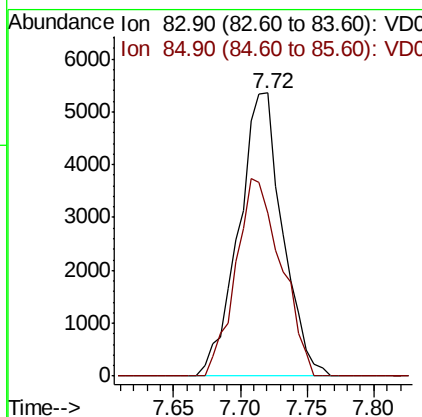
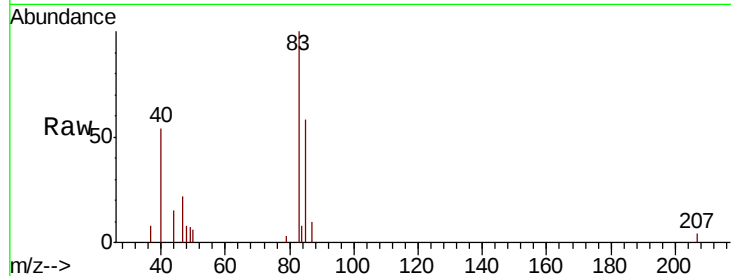




#30
Chloroform
Concen: 1.373 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064631.D
Acq: 27 Dec 2019 07:48

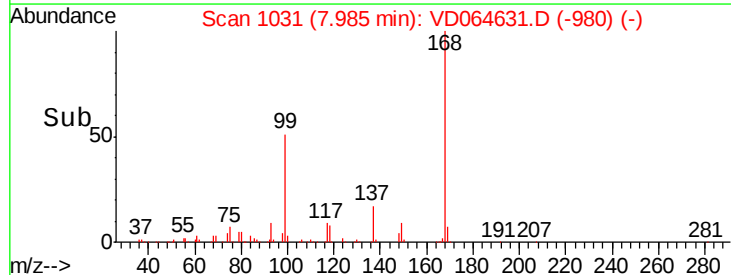
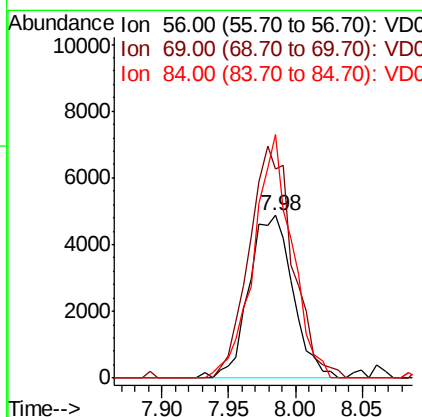
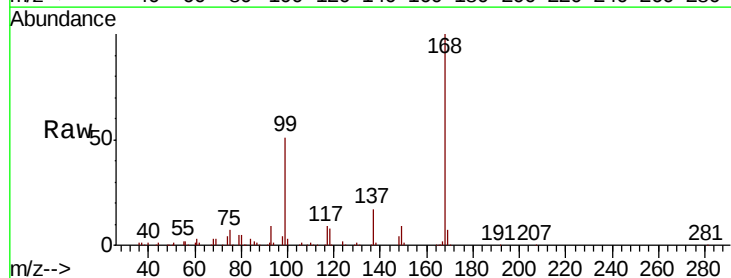
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF008-01

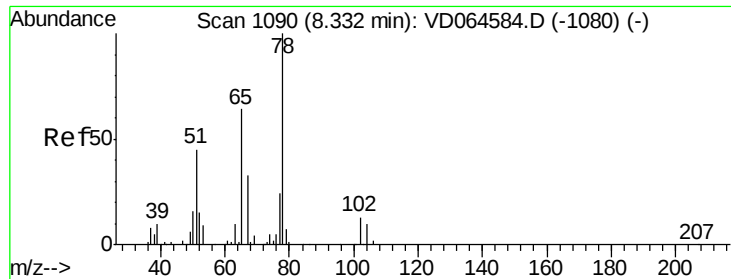
Tot Ion: 83 Resp: 12182
Ion Ratio Lower Upper
83 100
85 57.5 51.1 76.7



#31
Cyclohexane
Concen: 1.306 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064631.D
Acq: 27 Dec 2019 07:48

Tgt Ion: 56 Resp: 11053
Ion Ratio Lower Upper
56 100
69 129.0 24.7 37.1#
84 149.9 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 51.219 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064631.D

Acq: 27 Dec 2019 07:48

Instrument :

MSVOA_D

ClientSampleId :

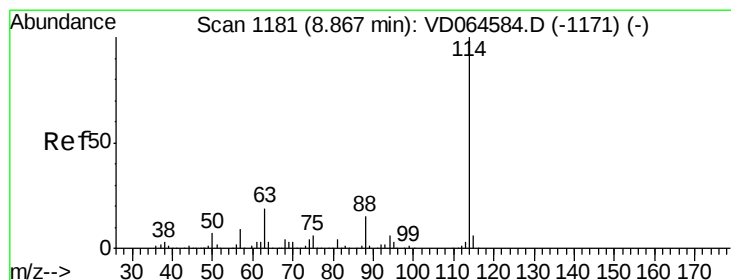
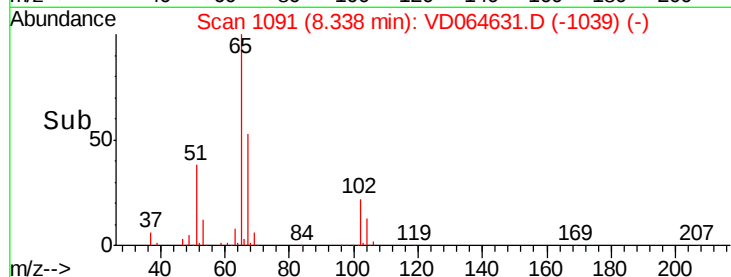
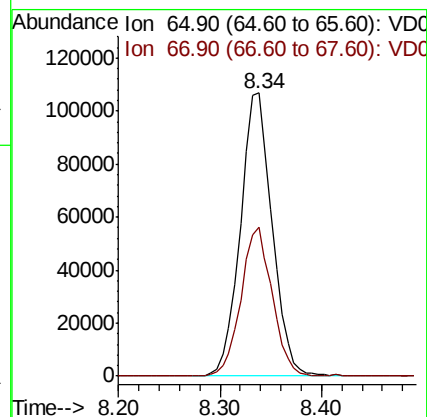
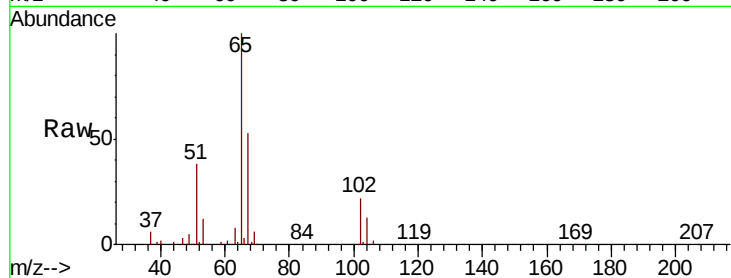
LIED-BF008-01

Tot Ion: 65 Resp: 232500

Ion Ratio Lower Upper

65 100

67 51.6 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: VD064631.D

Acq: 27 Dec 2019 07:48

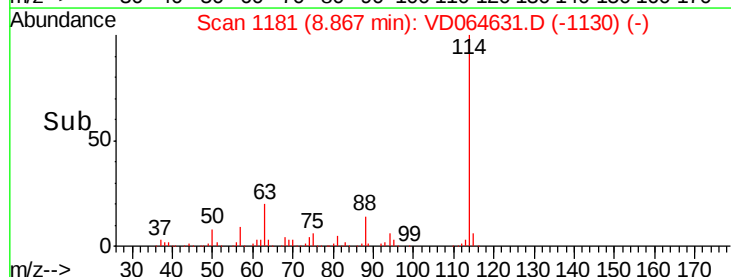
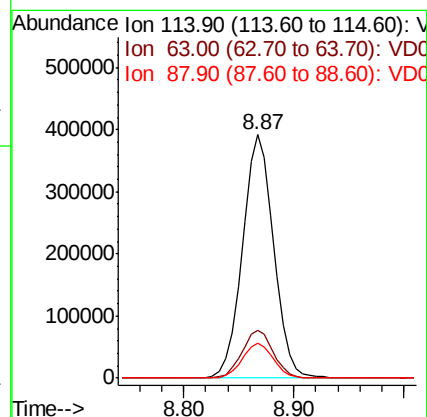
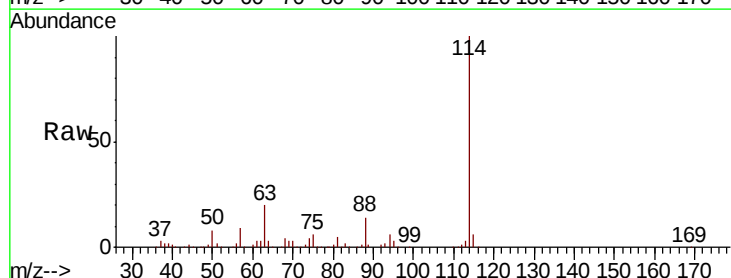
Tgt Ion: 114 Resp: 774698

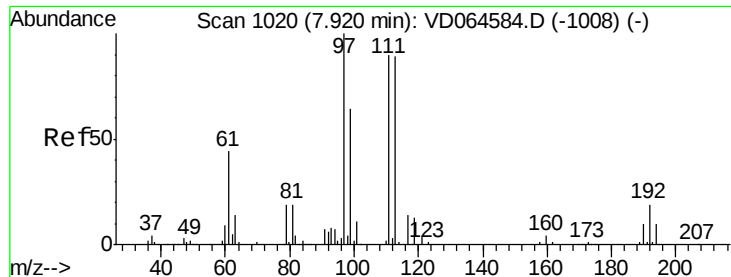
Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.0

88 14.4 0.0 29.2

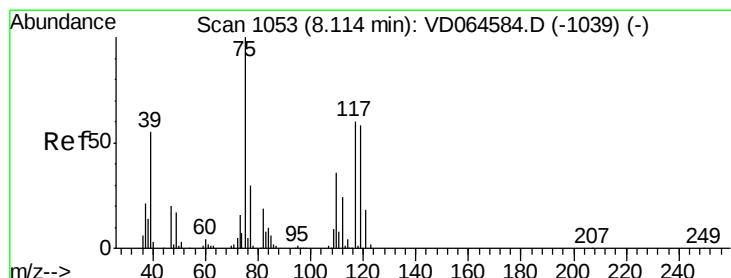
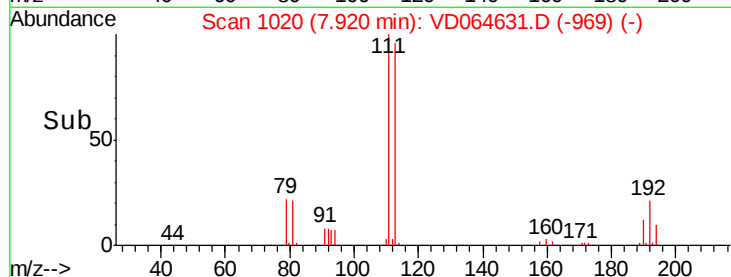
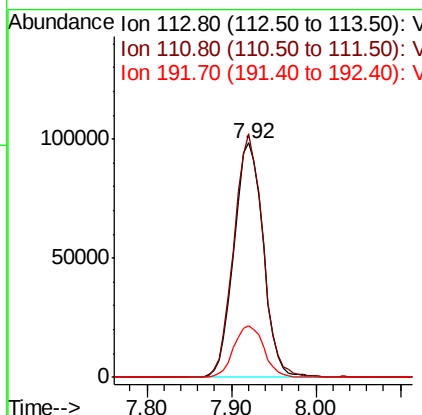
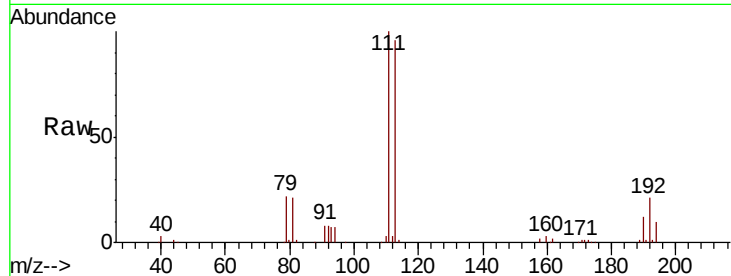




#35
 Dibromofluoromethane
 Concen: 49.637 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064631.D
 Acq: 27 Dec 2019 07:48

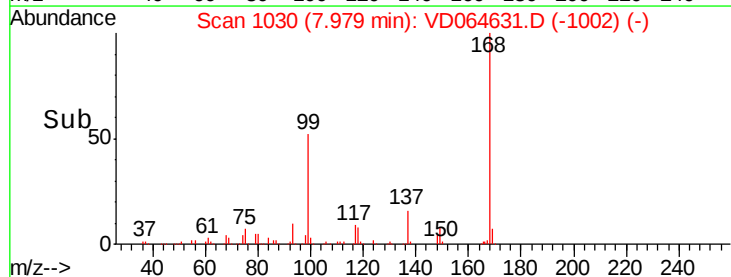
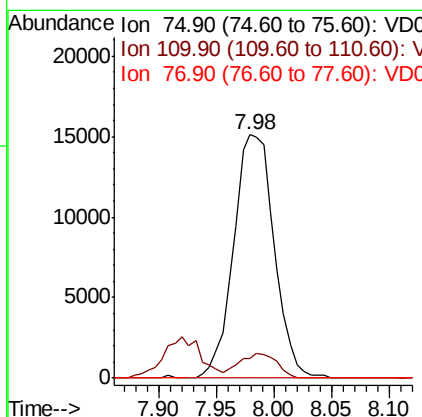
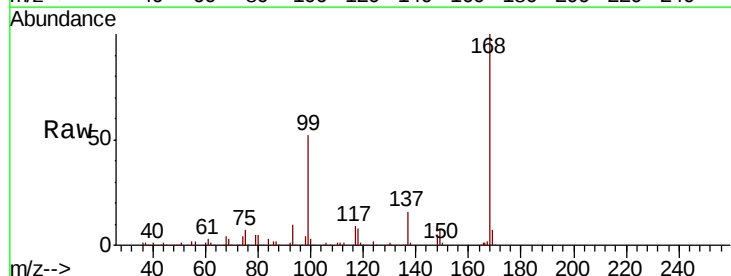
Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF008-01

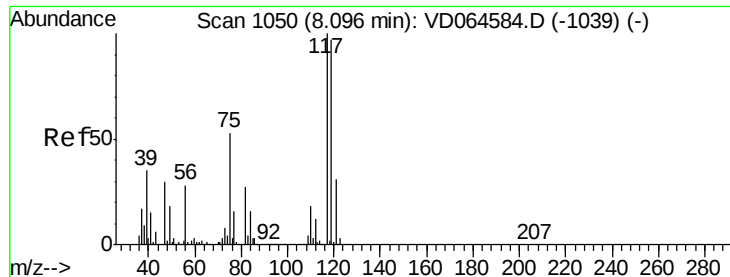
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.6	121.0
192	22.4	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 4.957 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064631.D
 Acq: 27 Dec 2019 07:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.1#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.984 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064631.D

Acq: 27 Dec 2019 07:48

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF008-01

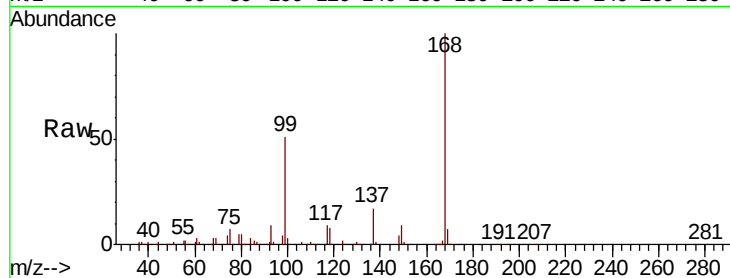
Tot Ion:117 Resp: 47579

Ion Ratio Lower Upper

117 100

119 4.0 77.3 115.9#

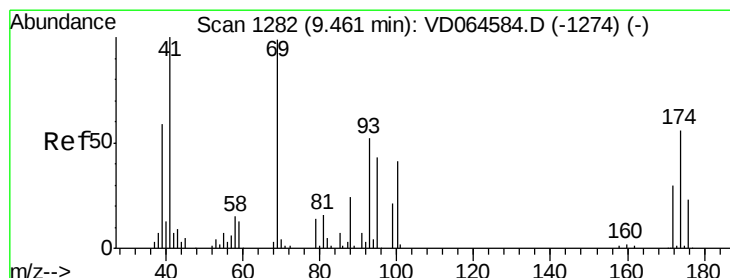
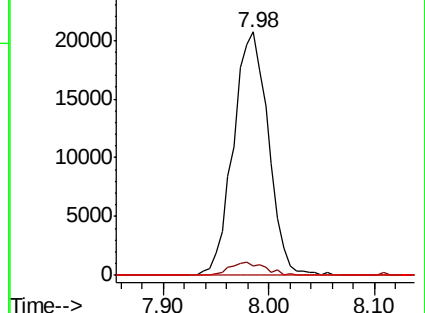
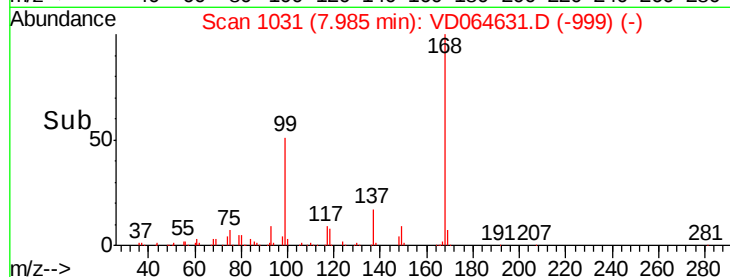
121 0.0 25.0 37.6#



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



#49

1,4-Dioxane

Concen: 2.048 ug/l

RT: 9.31 min Scan# 1256

Delta R.T. -0.15 min

Lab File: VD064631.D

Acq: 27 Dec 2019 07:48

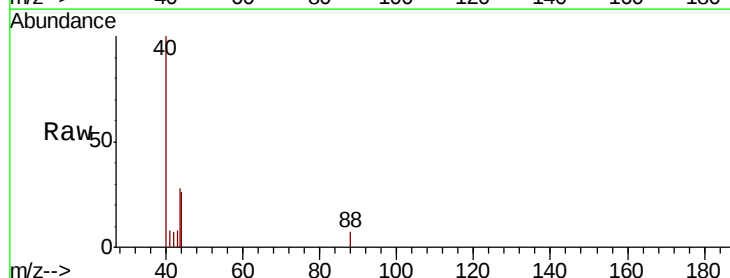
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 115.6 27.7 41.5#

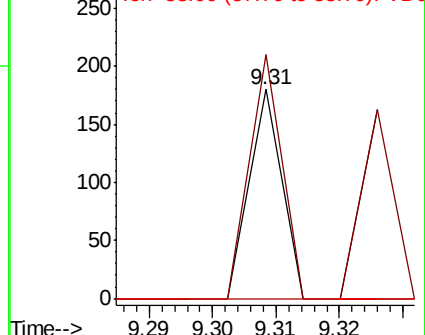
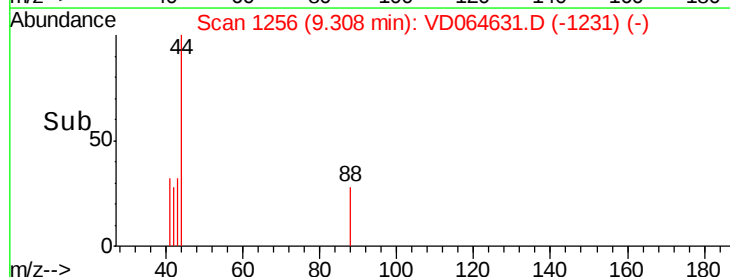
58 0.0 53.8 80.6#

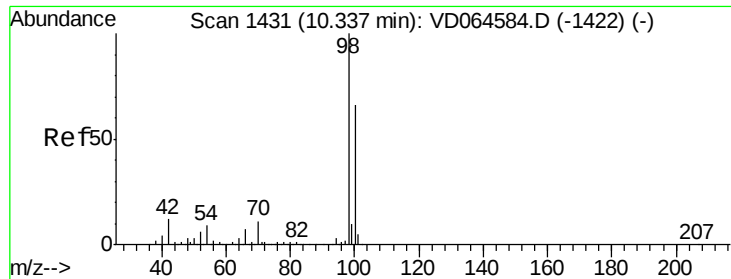


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

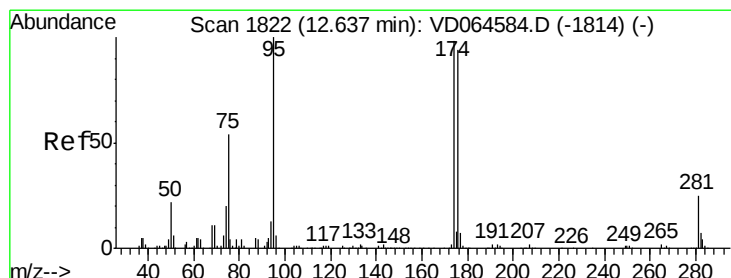
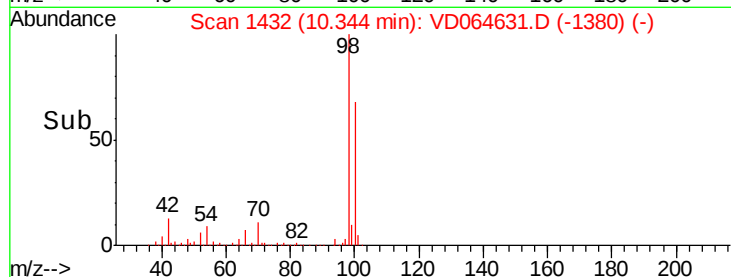
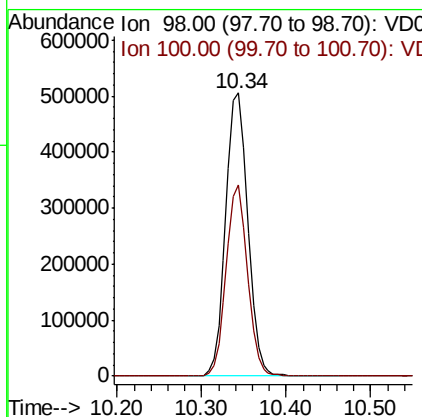
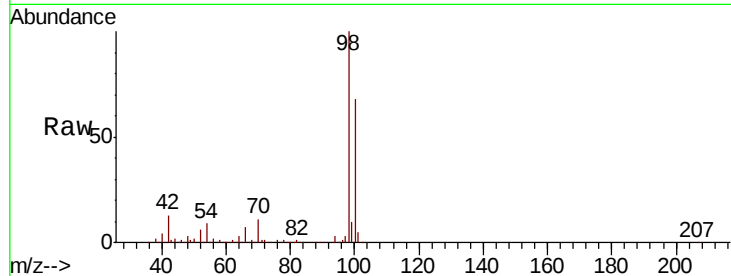




#50
Toluene-d8
Concen: 50.387 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064631.D
Acq: 27 Dec 2019 07:48

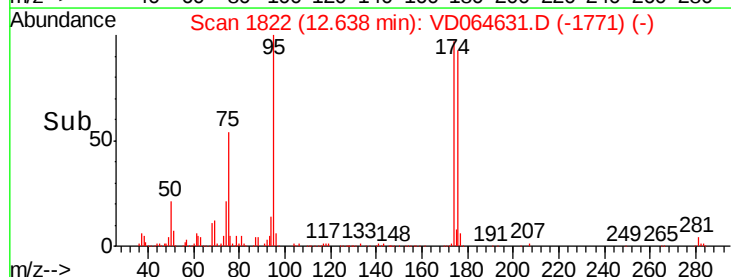
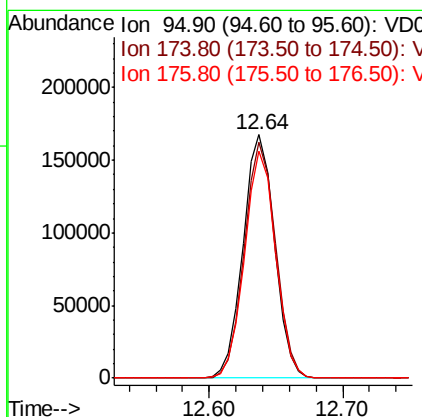
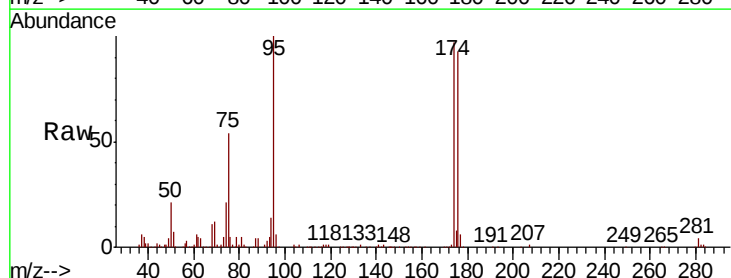
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF008-01

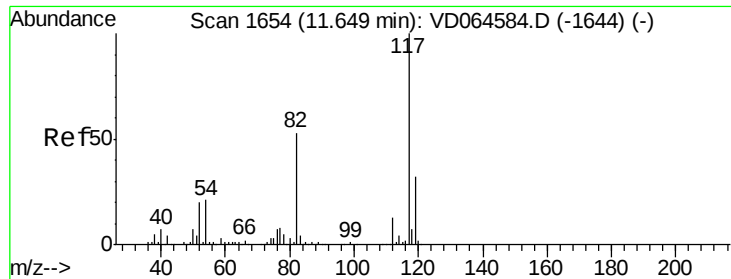
Tot Ion: 98 Resp: 917208
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 47.345 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064631.D
Acq: 27 Dec 2019 07:48

Tgt Ion: 95 Resp: 272516
Ion Ratio Lower Upper
95 100
174 96.4 0.0 193.2
176 91.8 0.0 184.2

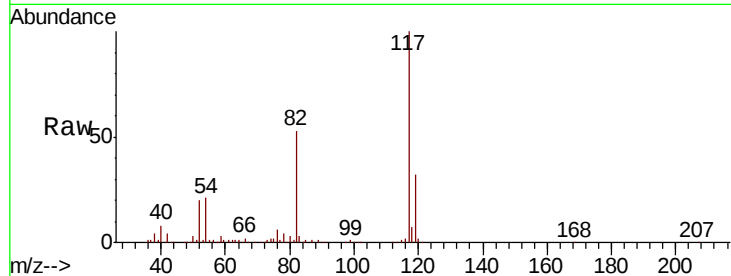




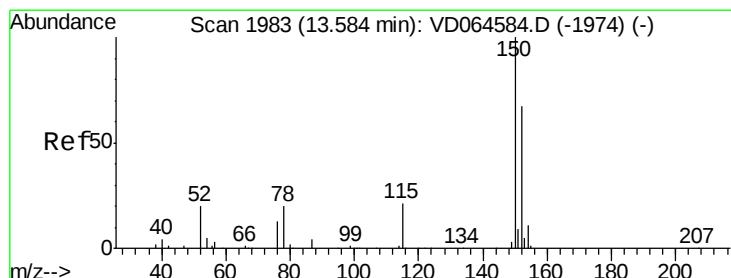
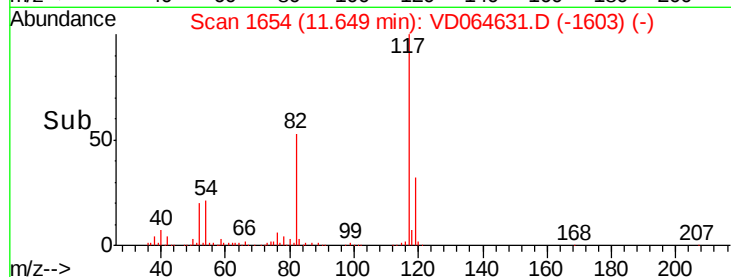
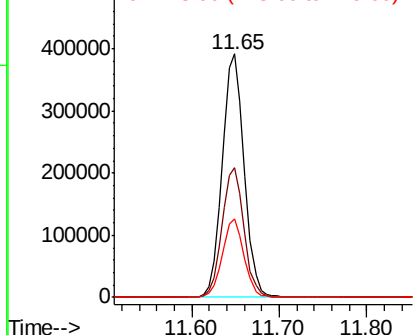
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064631.D
Acq: 27 Dec 2019 07:48

Instrument :
MSVOA_D
ClientSampleId :
LIED-BF008-01

Tot Ion:117 Resp: 677242
Ion Ratio Lower Upper
117 100
82 53.5 42.2 63.4
119 32.0 26.0 39.0

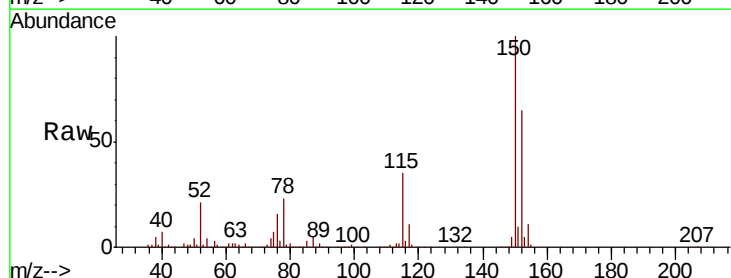


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

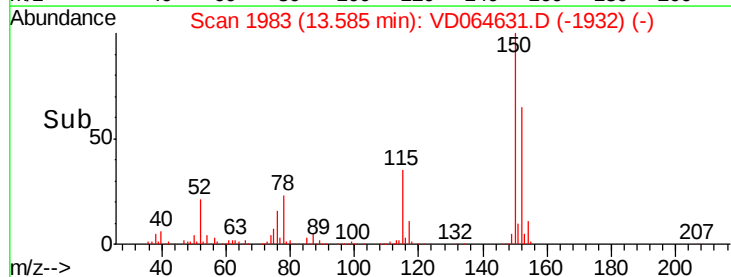
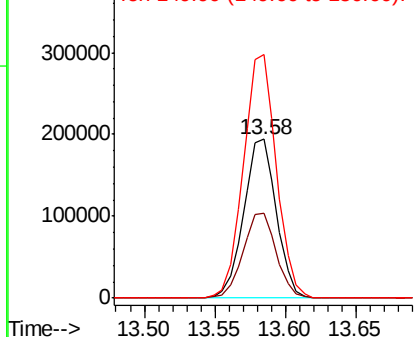


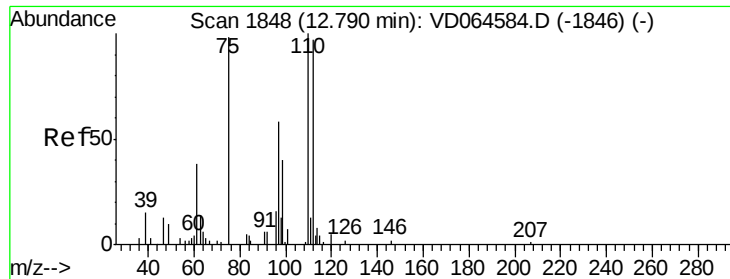
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064631.D
Acq: 27 Dec 2019 07:48

Tgt Ion:152 Resp: 313655
Ion Ratio Lower Upper
152 100
115 54.3 27.8 83.4
150 154.9 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: 58.762 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064631.D

Acq: 27 Dec 2019 07:48

Instrument :

MSVOA_D

ClientSampleId :

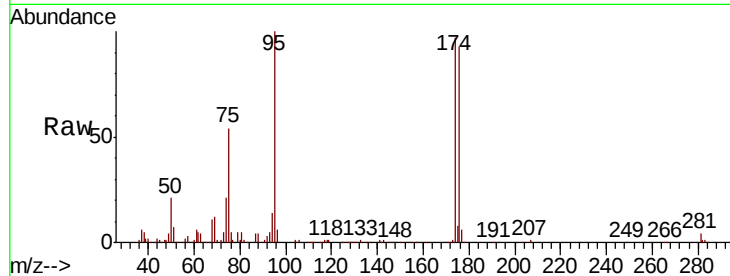
LIED-BF008-01

Tot Ion: 75 Resp: 145543

Ion Ratio Lower Upper

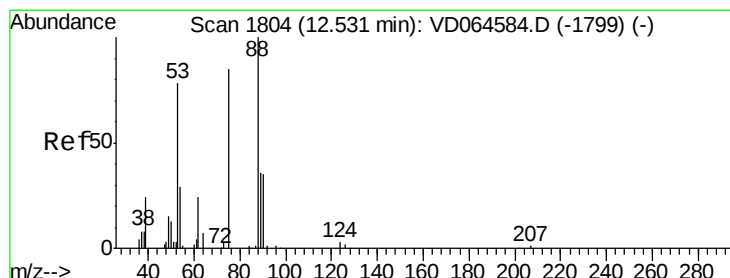
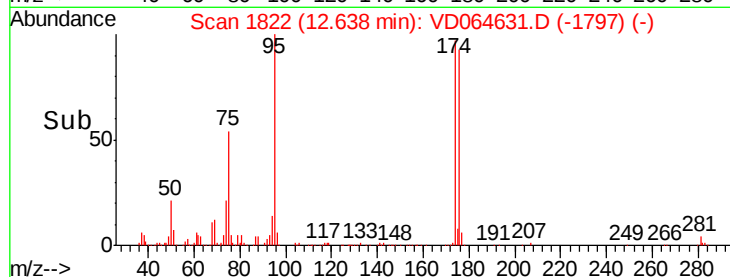
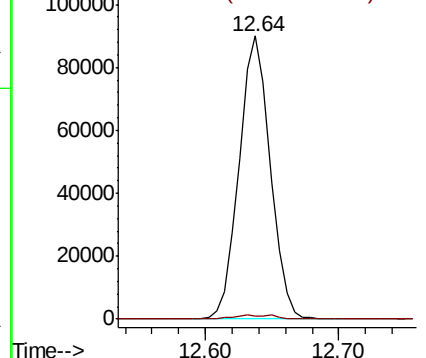
75 100

77 1.7 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: 122.899 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064631.D

Acq: 27 Dec 2019 07:48

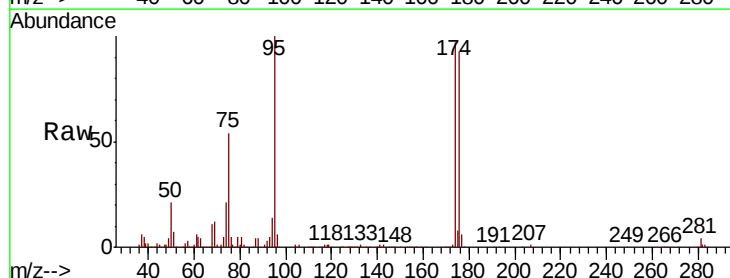
Tgt Ion: 75 Resp: 145543

Ion Ratio Lower Upper

75 100

53 0.0 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

