

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064625.D
 Acq On : 27 Dec 2019 04:56
 Operator : VA/SY
 Sample : K6439-05
 Misc : 4.19G/5.00ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF002-01

Quant Time: Dec 27 06:21:09 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	10700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	15738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	14795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	7761	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	7368	78.09	ug/l	0.00
Spiked Amount			Recovery	=	156.18%	
35) Dibromofluoromethane	7.92	113	5491	56.87	ug/l	0.00
Spiked Amount			Recovery	=	113.74%	
50) Toluene-d8	10.34	98	18214	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.64	95	5922	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	84	1.010	ug/l #	43
3) Chloromethane	2.21	50	237	2.038	ug/l #	42
5) Bromomethane	2.79	94	653	6.334	ug/l #	63
10) Methyl Iodide	4.31	142	769	7.240	ug/l #	59
15) Acrylonitrile	5.69	53	125	6.330	ug/l #	17
16) Acetone	4.18	43	765	38.492	ug/l #	42
18) Methyl Acetate	4.71	43	65	1.224	ug/l #	51
20) Methylene Chloride	4.98	84	66	Below Cal	#	7
25) 2-Butanone	7.26	43	263	10.141	ug/l #	49
29) Tetrahydrofuran	7.56	42	67	4.154	ug/l #	37
30) Chloroform	7.71	83	459	2.489	ug/l #	18
31) Cyclohexane	7.99	56	405	2.302	ug/l #	16
37) Ethyl Acetate	7.33	43	62	1.042	ug/l #	70
40) Benzene	8.37	78	527	1.274	ug/l #	1
41) Methacrylonitrile	7.57	41	53	1.535	ug/l #	1
51) 4-Methyl-2-Pentanone	10.24	43	81	1.384	ug/l #	37
58) 2-Chloroethyl Vinyl ether	9.76	63	67	1.898	ug/l #	45
59) 2-Hexanone	10.98	43	76	1.913	ug/l #	26
60) Dibromochloromethane	10.88	129	217	2.115	ug/l #	11
64) Tetrachloroethene	10.88	164	144	1.269	ug/l #	25
65) Chlorobenzene	11.67	112	332	1.081	ug/l #	44
67) Ethyl Benzene	11.75	91	734	1.317	ug/l #	44
73) Isopropylbenzene	12.48	105	766	1.381	ug/l #	71
76) 1,2,3-Trichloropropane	12.64	75	3084	50.322	ug/l #	100
77) Bromobenzene	12.77	156	149	1.093	ug/l #	3
78) n-propylbenzene	12.83	91	664	1.026	ug/l #	51
81) trans-1,4-Dichloro-2-buten	12.64	75	3084	105.246	ug/l #	10
82) 4-Chlorotoluene	13.01	91	448	1.184	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.27	105	534	1.177	ug/l	77
85) sec-Butylbenzene	13.40	105	698	1.287	ug/l	84
87) 1,3-Dichlorobenzene	13.60	146	371	1.428	ug/l	83
88) 1,4-Dichlorobenzene	13.60	146	371	1.454	ug/l	84
92) 1,2-Dibromo-3-Chloropropan	14.67	75	55	3.894	ug/l #	1
95) Naphthalene	15.41	128	636	2.465	ug/l #	69

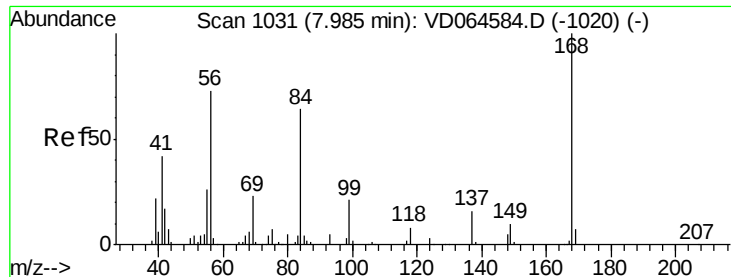
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.59	180	283	2.032	ug/l #	28

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064625.D

Acq: 27 Dec 2019 04:56

Instrument :

MSVOA_D

ClientSampleId :

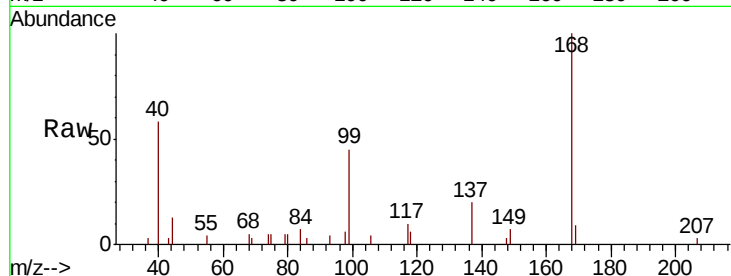
LIED-BF002-01

Tot Ion:168 Resp: 10700

Ion Ratio Lower Upper

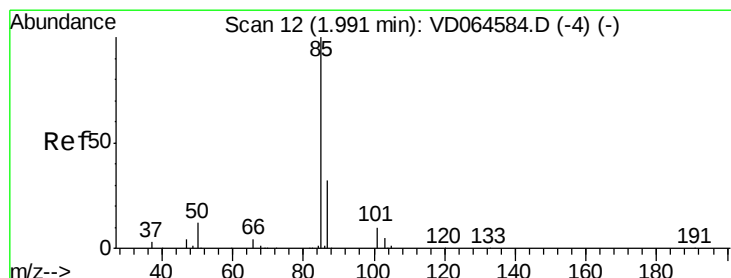
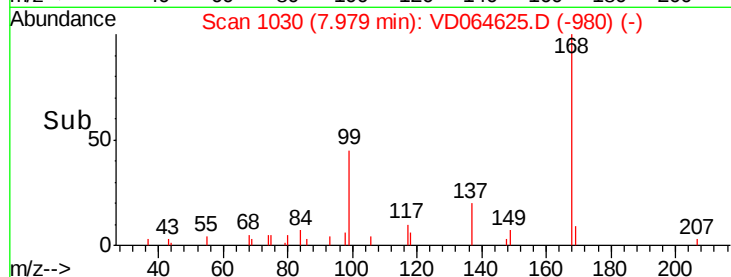
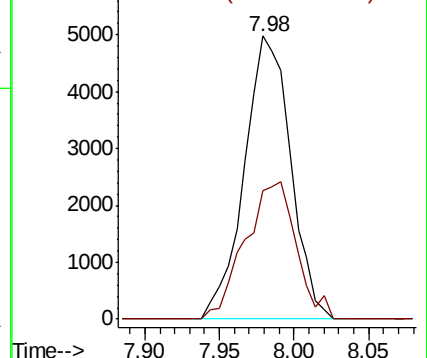
168 100

99 45.2 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 1.010 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD064625.D

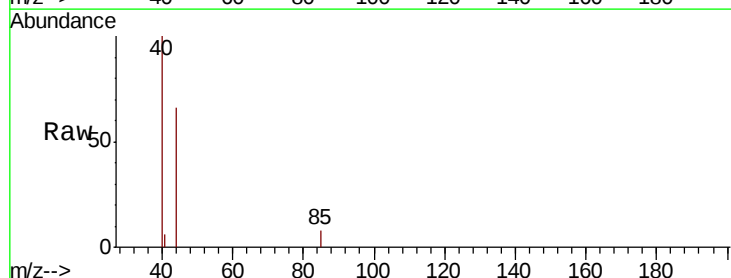
Acq: 27 Dec 2019 04:56

Tgt Ion: 85 Resp: 84

Ion Ratio Lower Upper

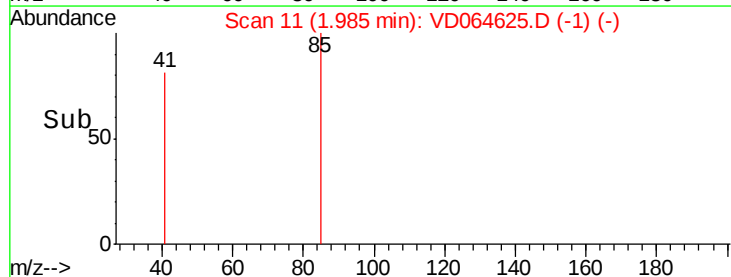
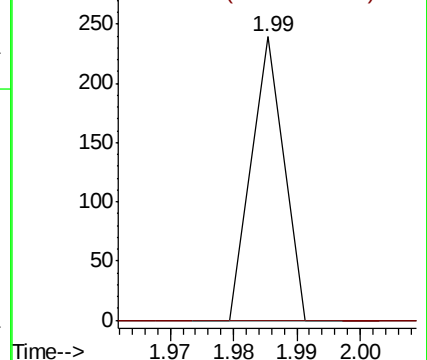
85 100

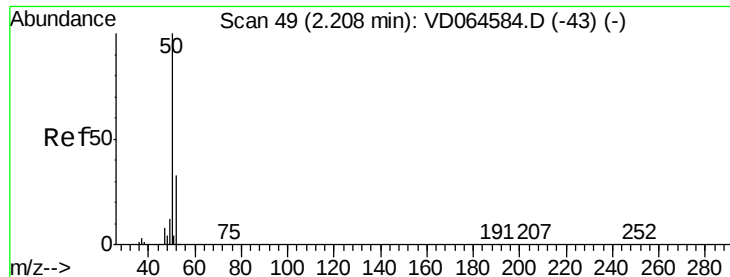
87 0.0 16.1 48.2#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 2.038 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064625.D

Acq: 27 Dec 2019 04:56

Instrument :

MSVOA_D

ClientSampleId :

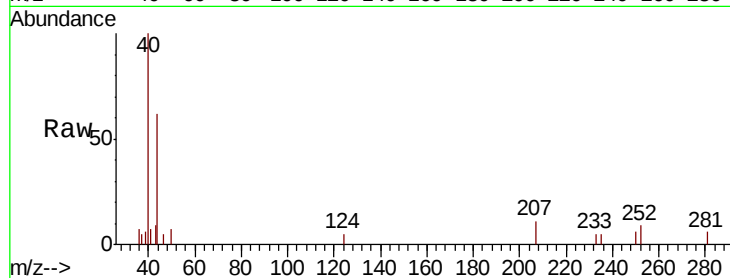
LIED-BF002-01

Tot Ion: 50 Resp: 237

Ion Ratio Lower Upper

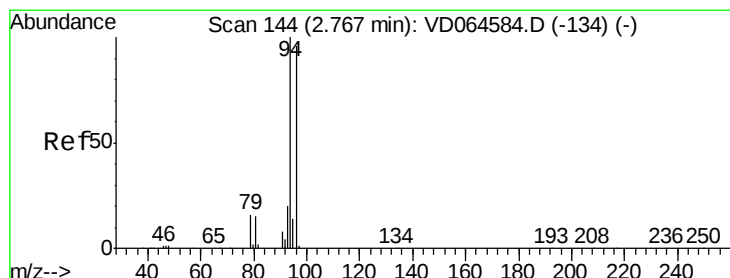
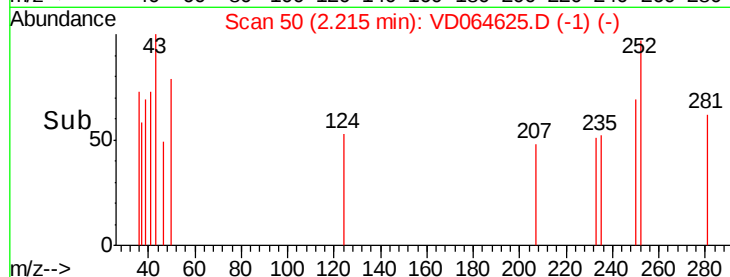
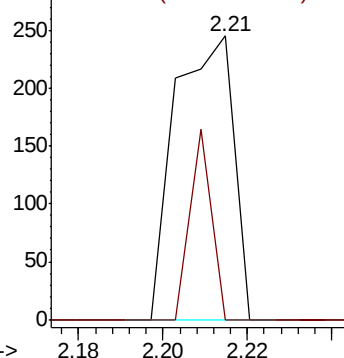
50 100

52 0.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#5

Bromomethane

Concen: 6.334 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD064625.D

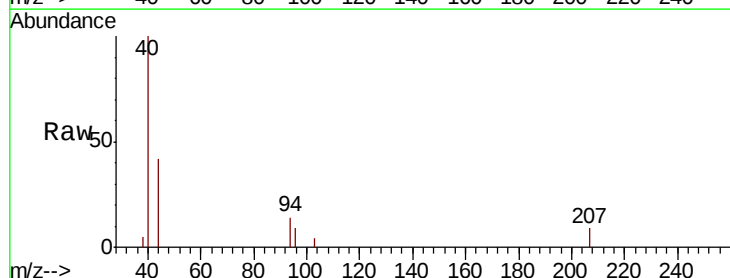
Acq: 27 Dec 2019 04:56

Tgt Ion: 94 Resp: 653

Ion Ratio Lower Upper

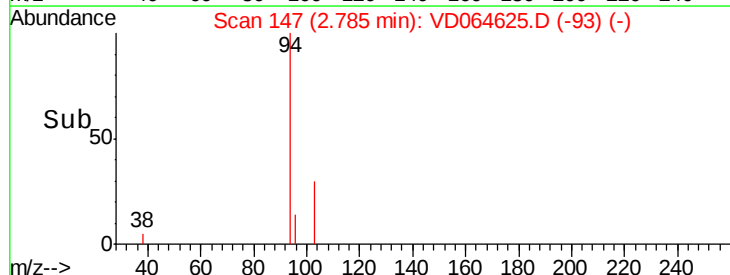
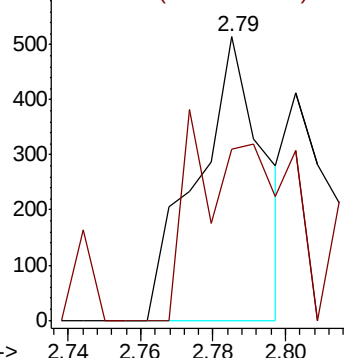
94 100

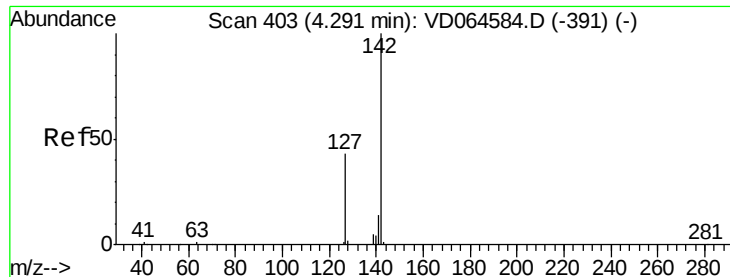
96 60.5 77.2 115.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

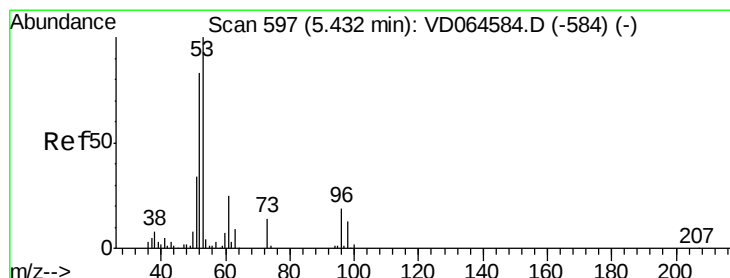
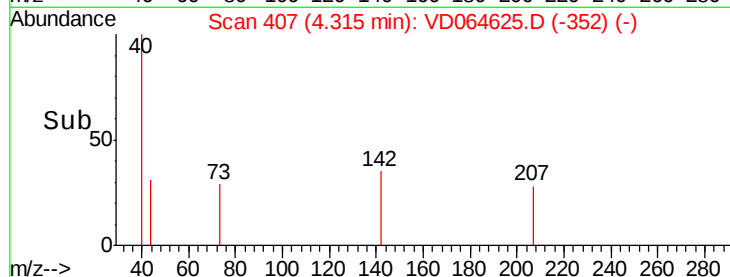
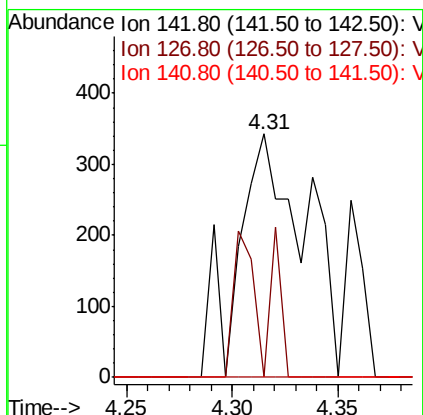
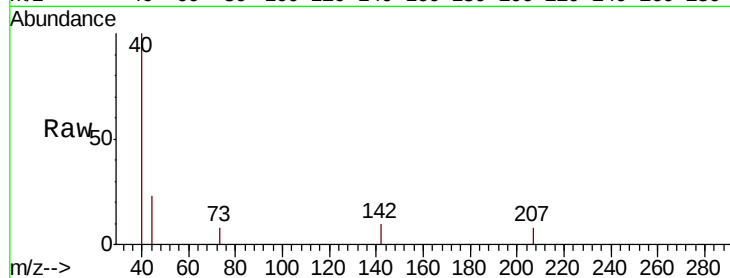




#10
Methyl Iodide
Concen: 7.240 ug/l
RT: 4.31 min Scan# 407
Delta R.T. 0.02 min
Lab File: VD064625.D
Acq: 27 Dec 2019 04:56

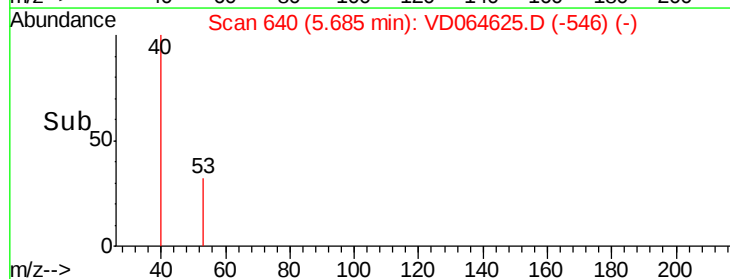
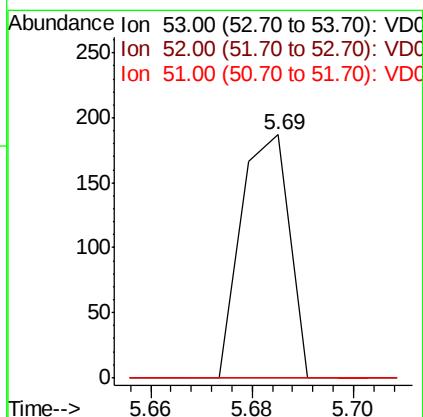
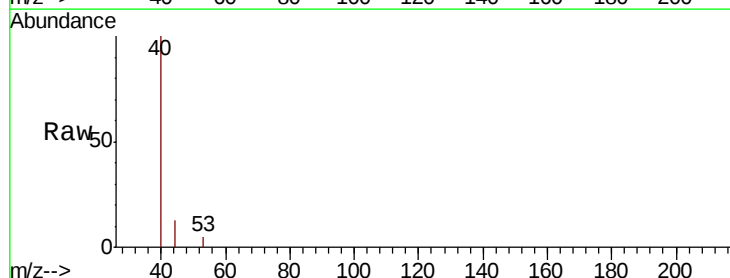
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF002-01

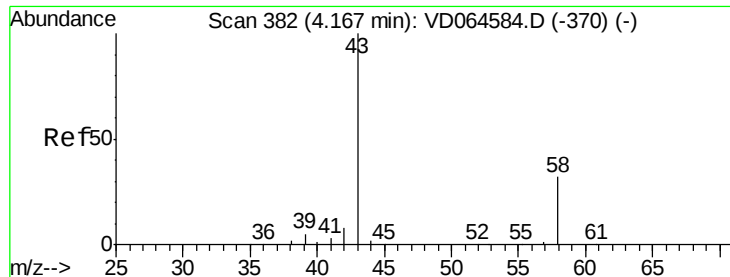
Tot Ion:142 Resp: 769
Ion Ratio Lower Upper
142 100
127 17.2 36.2 54.4#
141 0.0 11.8 17.8#



#15
Acrylonitrile
Concen: 6.330 ug/l
RT: 5.69 min Scan# 640
Delta R.T. 0.25 min
Lab File: VD064625.D
Acq: 27 Dec 2019 04:56

Tgt Ion: 53 Resp: 125
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.2#
51 0.0 30.1 45.1#





#16

Acetone

Concen: 38.492 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064625.D

Acq: 27 Dec 2019 04:56

Instrument :

MSVOA_D

ClientSampleId :

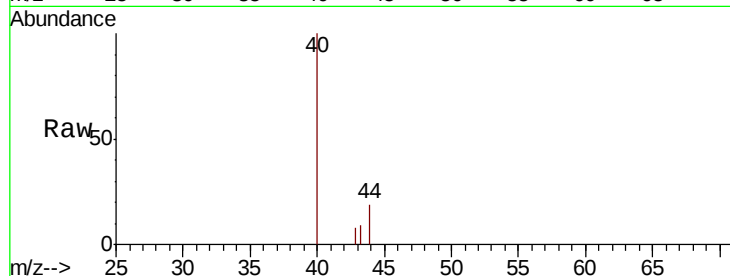
LIED-BF002-01

Tot Ion: 43 Resp: 765

Ion Ratio Lower Upper

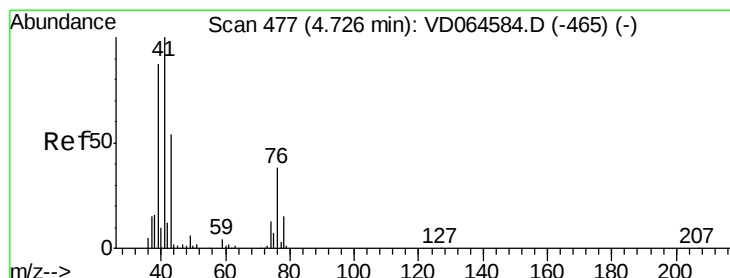
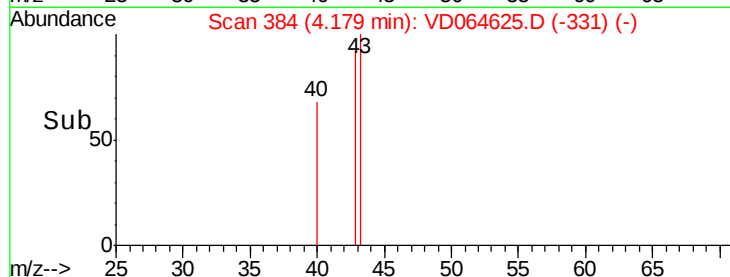
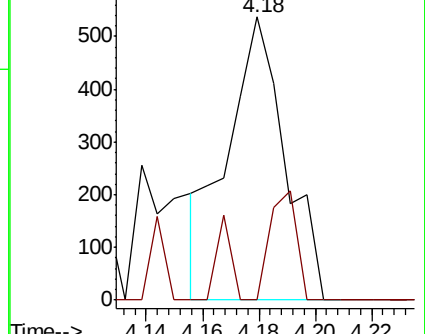
43 100

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



#18

Methyl Acetate

Concen: 1.224 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.02 min

Lab File: VD064625.D

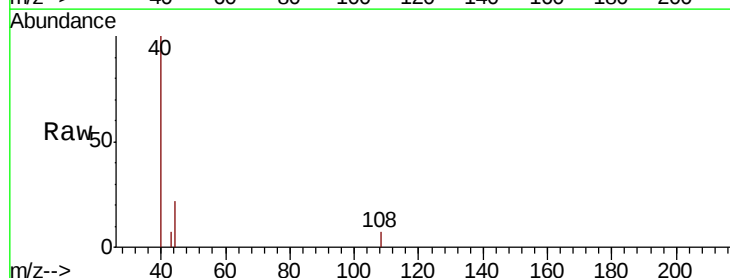
Acq: 27 Dec 2019 04:56

Tgt Ion: 43 Resp: 65

Ion Ratio Lower Upper

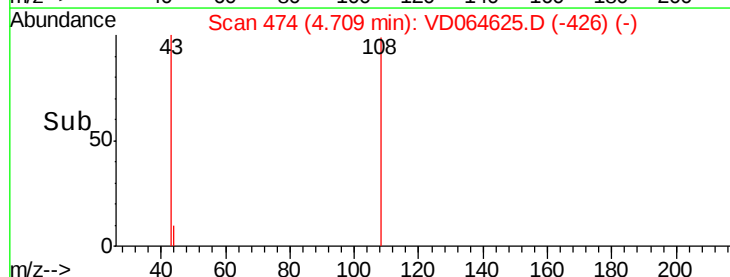
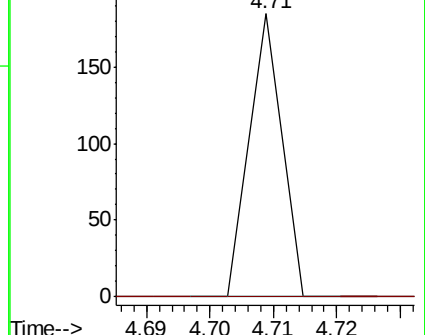
43 100

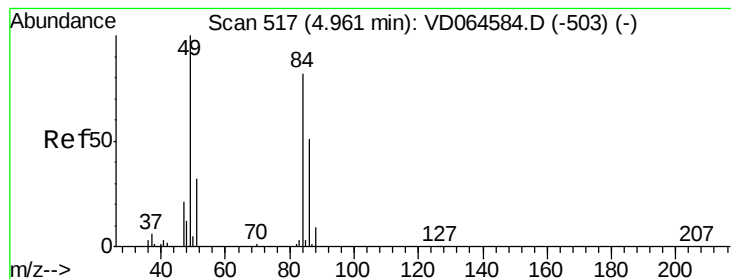
74 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methylene Chloride

Concen: Below Cal

RT: 4.98 min Scan# 520

Delta R.T. 0.02 min

Lab File: VD064625.D

Acq: 27 Dec 2019 04:56

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF002-01

Tot Ion: 84 Resp: 66

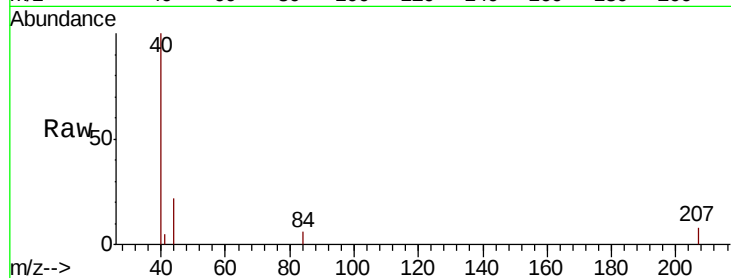
Ion Ratio Lower Upper

84 100

49 0.0 97.2 145.8#

51 0.0 31.4 47.0#

86 0.0 49.3 73.9#

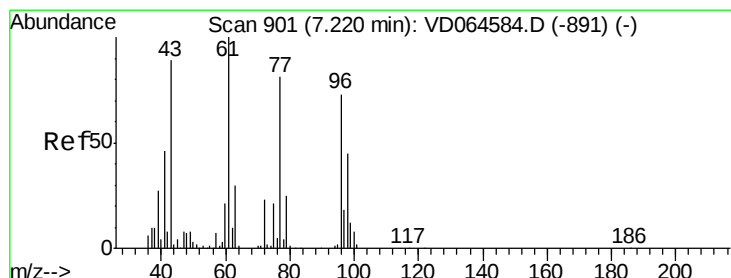
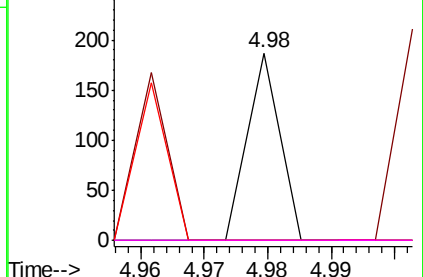
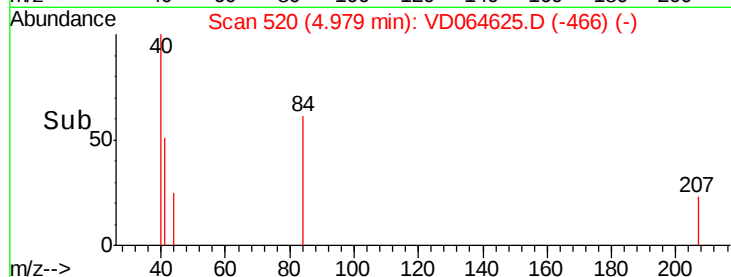


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 10.141 ug/l

RT: 7.26 min Scan# 908

Delta R.T. 0.04 min

Lab File: VD064625.D

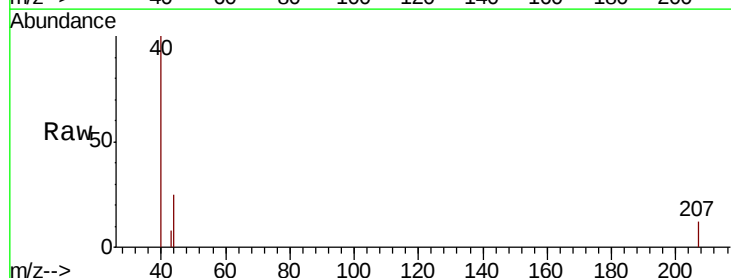
Acq: 27 Dec 2019 04:56

Tgt Ion: 43 Resp: 263

Ion Ratio Lower Upper

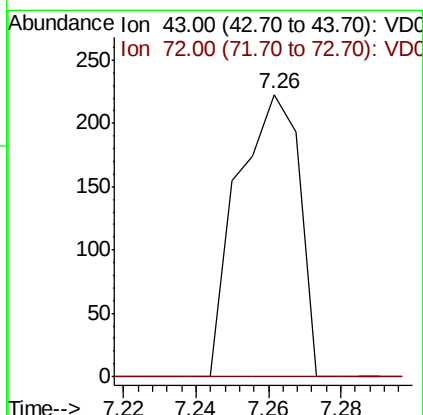
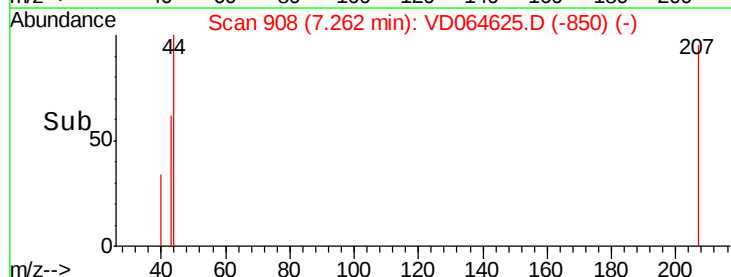
43 100

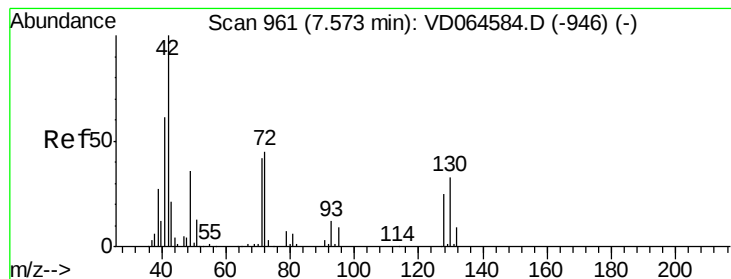
72 0.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 4.154 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD064625.D

Acq: 27 Dec 2019 04:56

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF002-01

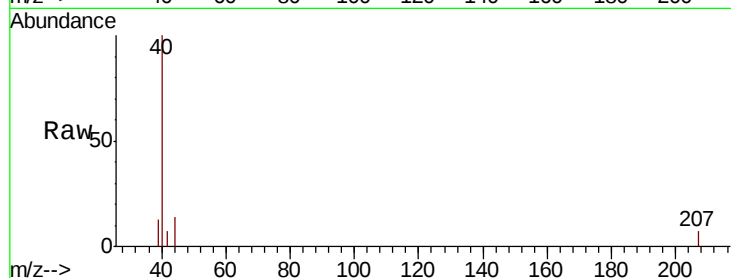
Tot Ion: 42 Resp: 67

Ion Ratio Lower Upper

42 100

72 82.1 35.0 52.4#

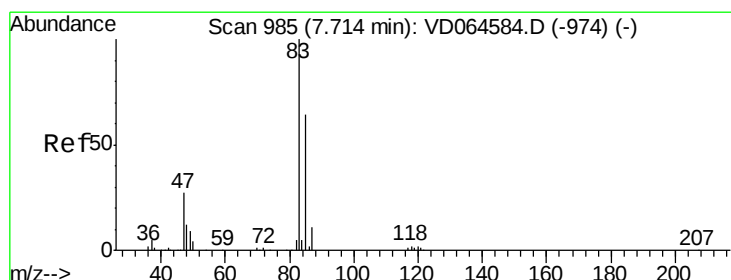
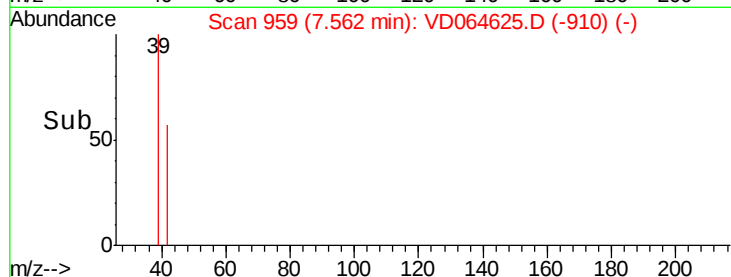
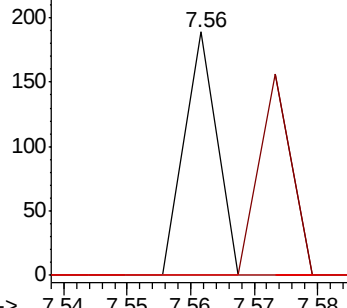
71 0.0 32.9 49.3#



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: 2.489 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064625.D

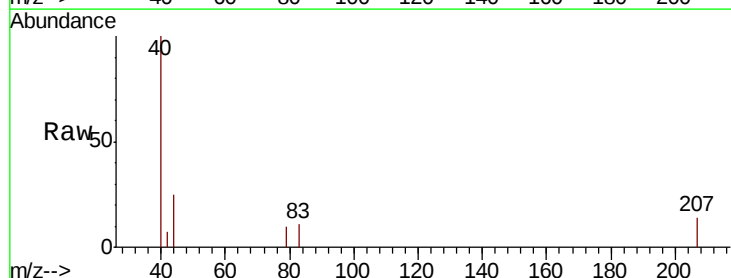
Acq: 27 Dec 2019 04:56

Tgt Ion: 83 Resp: 459

Ion Ratio Lower Upper

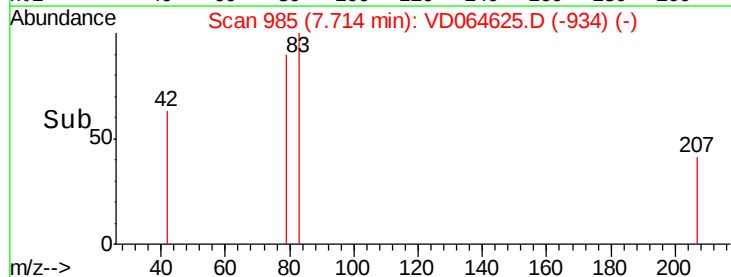
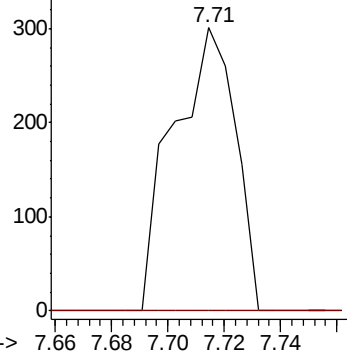
83 100

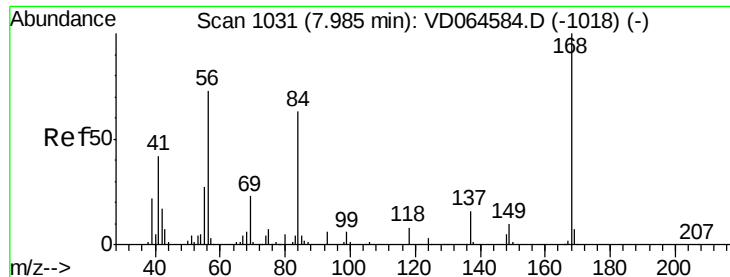
85 0.0 51.1 76.7#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

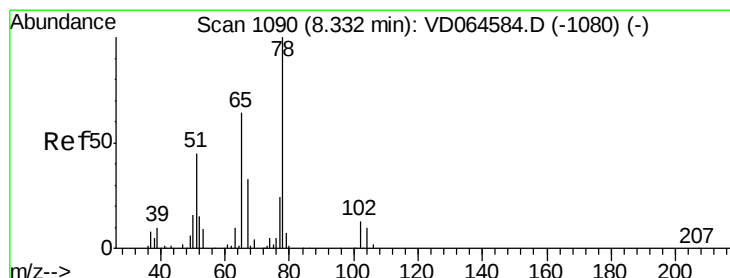
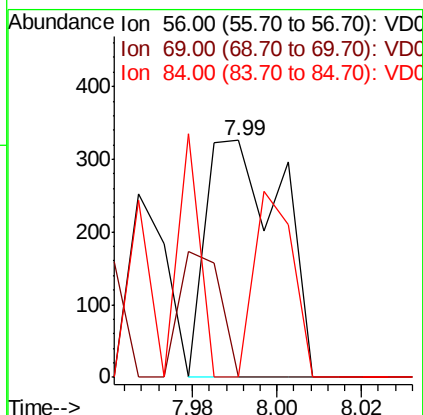
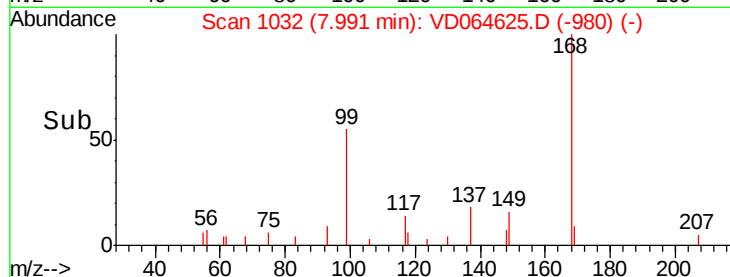
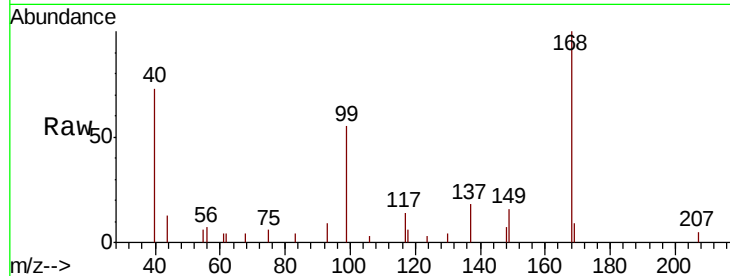




#31
Cyclohexane
Concen: 2.302 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064625.D
Acq: 27 Dec 2019 04:56

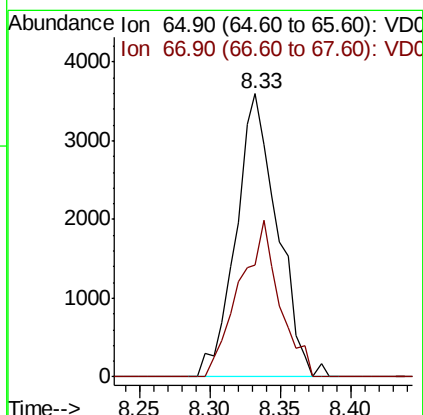
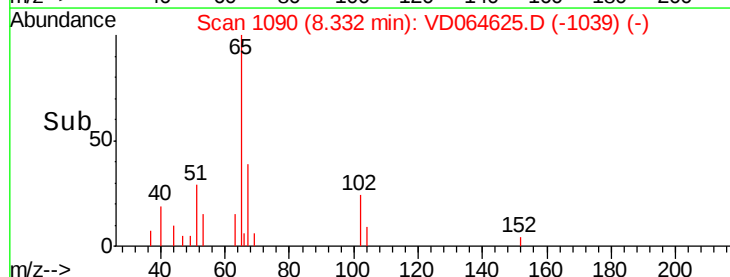
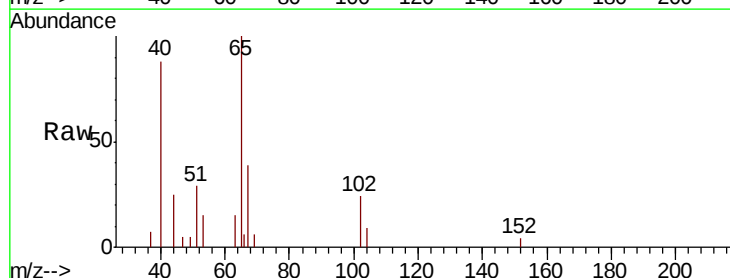
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF002-01

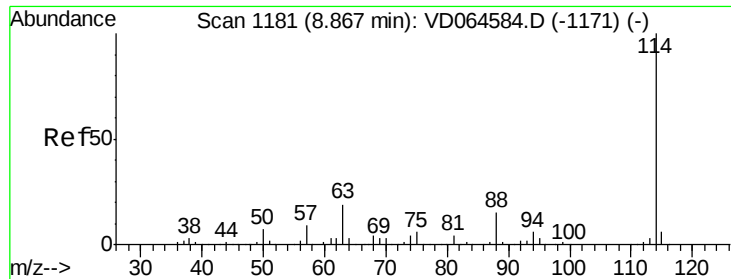
Tot Ion: 56 Resp: 405
Ion Ratio Lower Upper
56 100
69 0.0 24.7 37.1#
84 0.0 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 78.091 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD064625.D
Acq: 27 Dec 2019 04:56

Tgt Ion: 65 Resp: 7368
Ion Ratio Lower Upper
65 100
67 53.7 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: VD064625.D

Acq: 27 Dec 2019 04:56

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF002-01

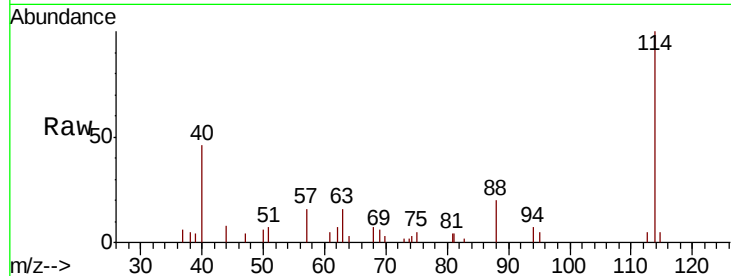
Tot Ion:114 Resp: 15738

Ion Ratio Lower Upper

114 100

63 15.8 0.0 38.0

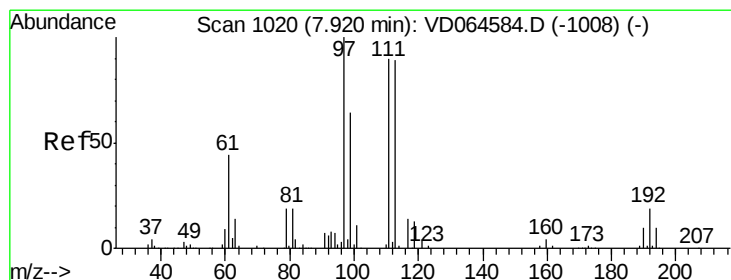
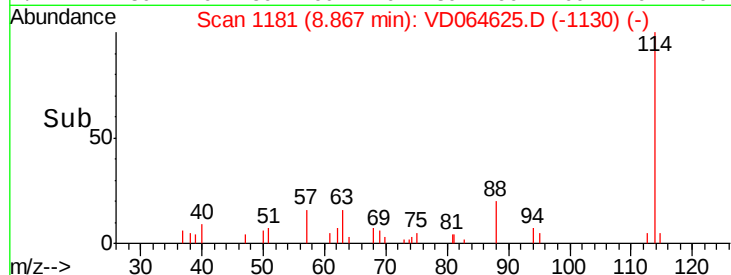
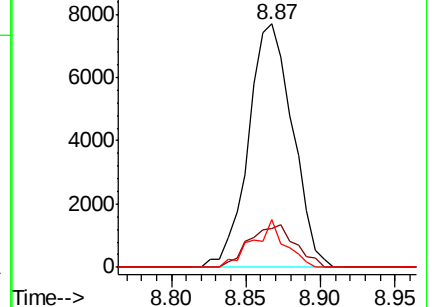
88 19.5 0.0 29.2



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: 56.869 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064625.D

Acq: 27 Dec 2019 04:56

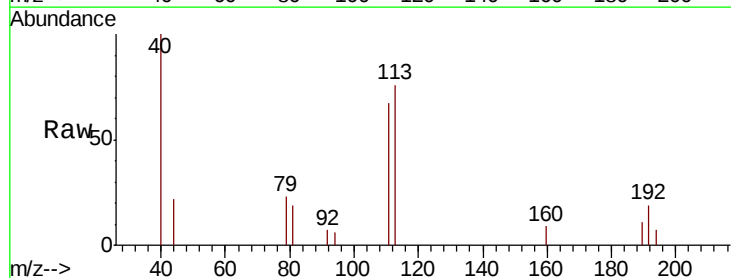
Tgt Ion:113 Resp: 5491

Ion Ratio Lower Upper

113 100

111 100.5 80.6 121.0

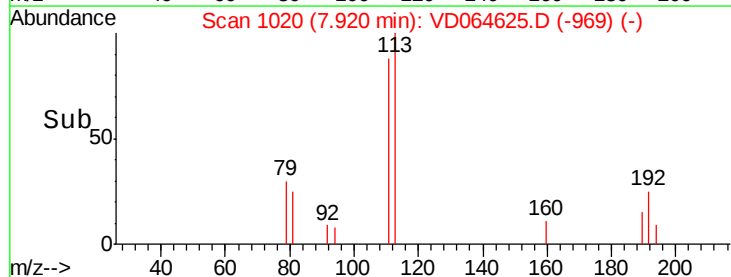
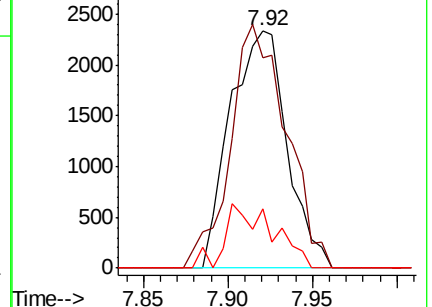
192 23.0 17.9 26.9

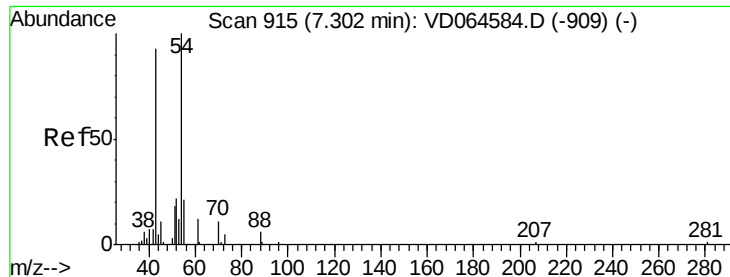


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

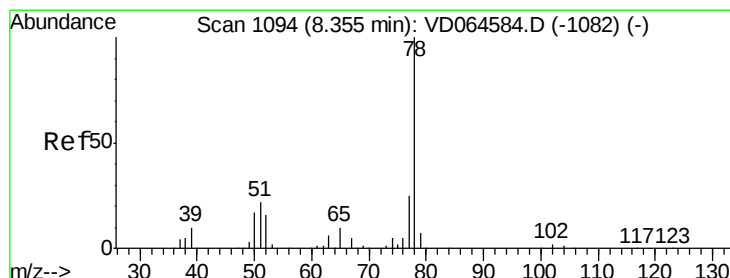
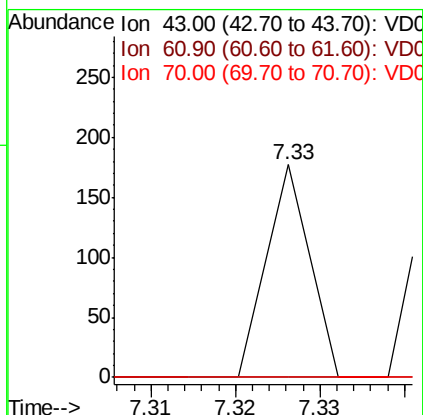
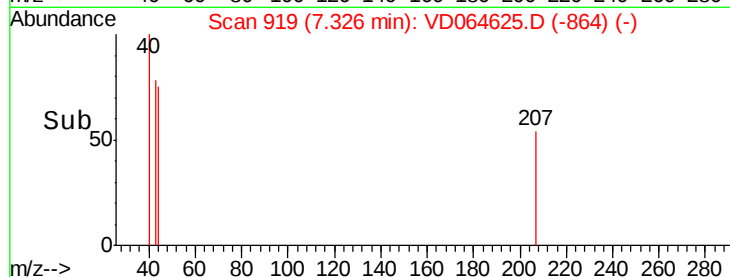
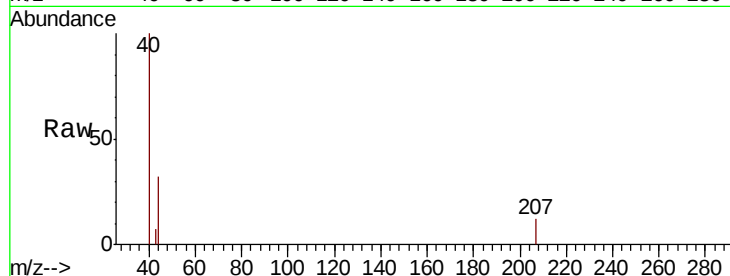




#37
Ethyl Acetate
Concen: 1.042 ug/l
RT: 7.33 min Scan# 919
Delta R.T. 0.02 min
Lab File: VD064625.D
Acq: 27 Dec 2019 04:56

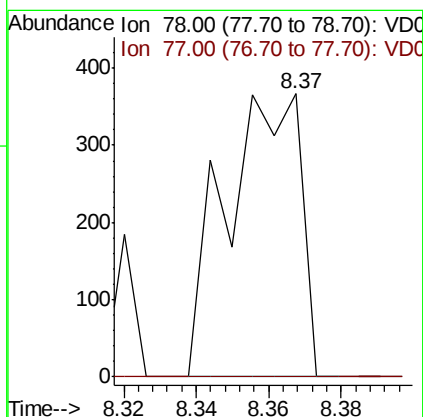
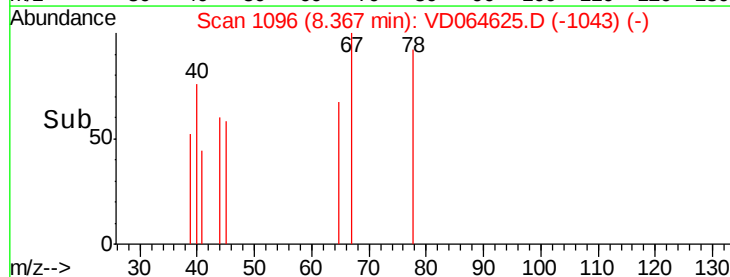
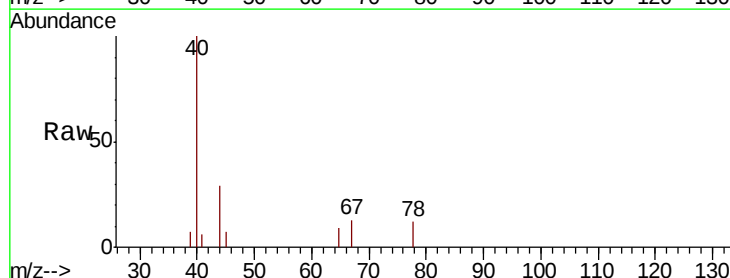
Instrument :
MSVOA_D
ClientSampleID :
LIED-BF002-01

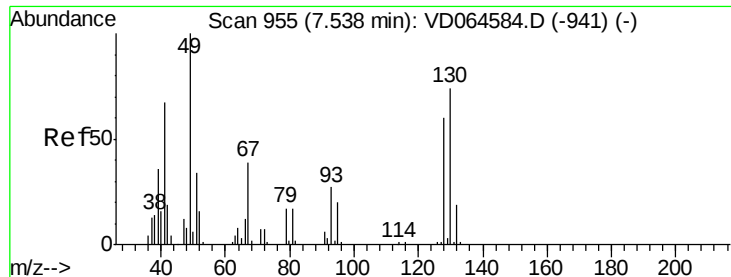
Tot Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 0.0 7.6 11.4#



#40
Benzene
Concen: 1.274 ug/l
RT: 8.37 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD064625.D
Acq: 27 Dec 2019 04:56

Tgt Ion: 78 Resp: 527
Ion Ratio Lower Upper
78 100
77 100.0 19.9 29.9#

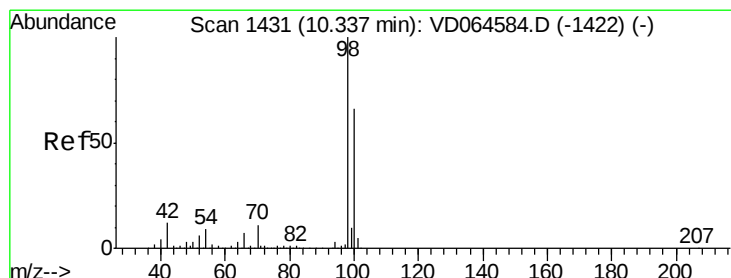
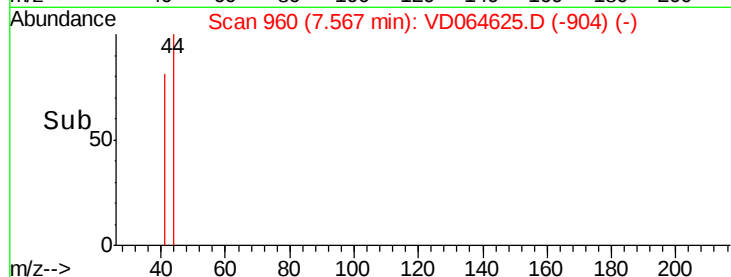
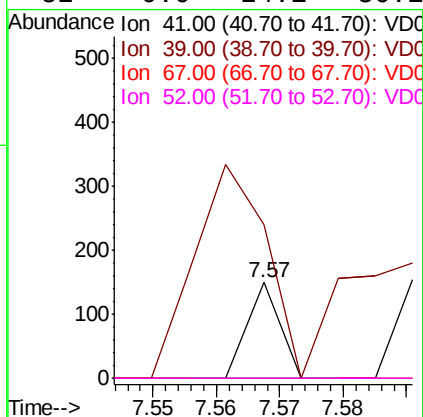
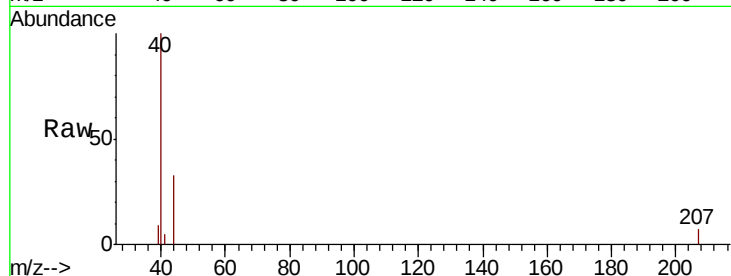




#41
Methacrylonitrile
Concen: 1.535 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.03 min
Lab File: VD064625.D
Acq: 27 Dec 2019 04:56

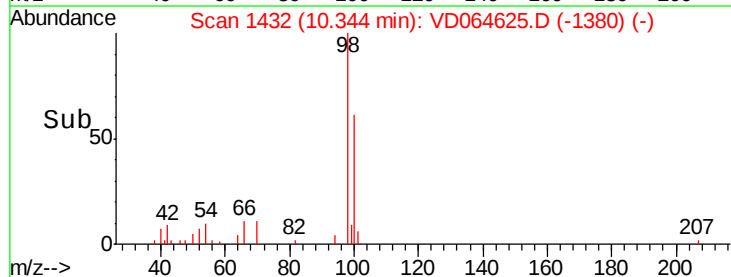
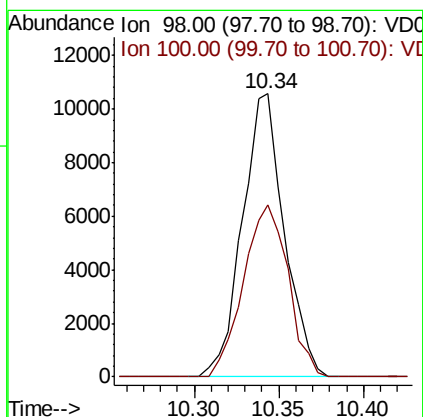
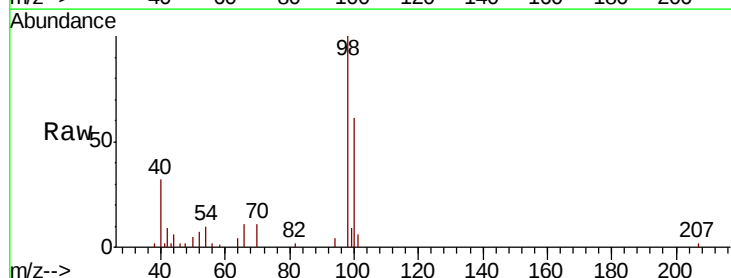
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF002-01

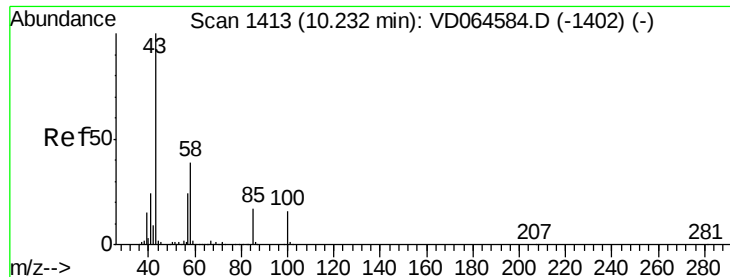
Tot Ion: 41 Resp: 53
Ion Ratio Lower Upper
41 100
39 492.5 46.7 70.1#
67 0.0 52.5 78.7#
52 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 49.254 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064625.D
Acq: 27 Dec 2019 04:56

Tgt Ion: 98 Resp: 18214
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 1.384 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064625.D

Acq: 27 Dec 2019 04:56

Instrument :

MSVOA_D

ClientSampleId :

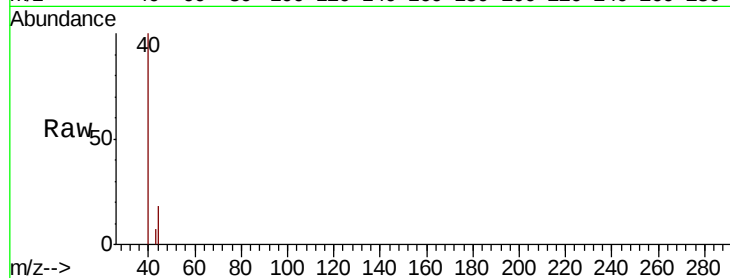
LIED-BF002-01

Tot Ion: 43 Resp: 81

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

250

200

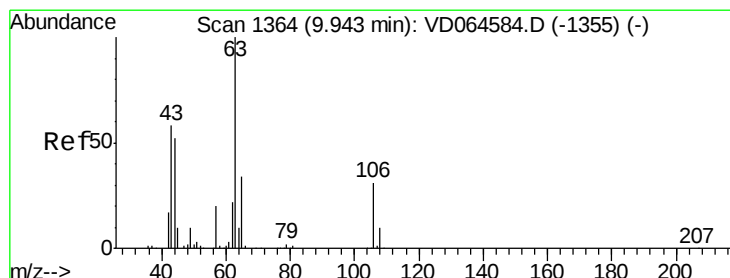
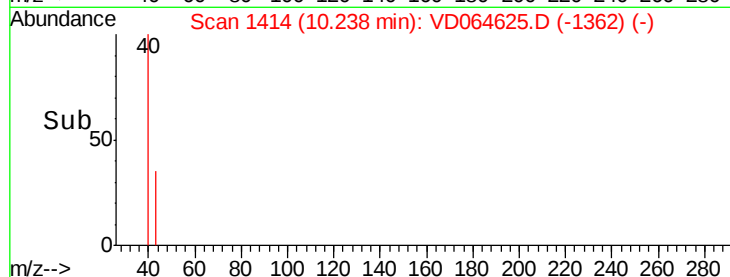
150

100

50

0

Time--> 10.22 10.24



#58

2-Chloroethyl Vinyl ether

Concen: 1.898 ug/l

RT: 9.76 min Scan# 1332

Delta R.T. -0.19 min

Lab File: VD064625.D

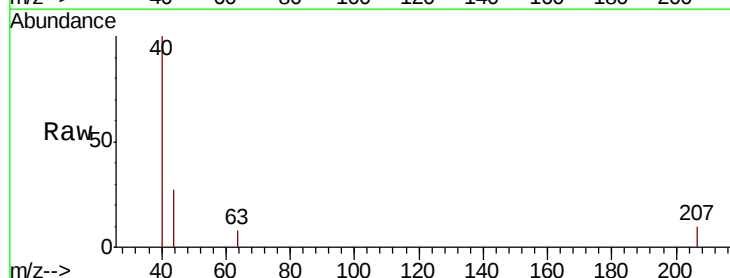
Acq: 27 Dec 2019 04:56

Tgt Ion: 63 Resp: 67

Ion Ratio Lower Upper

63 100

106 0.0 23.8 35.8#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.76

200

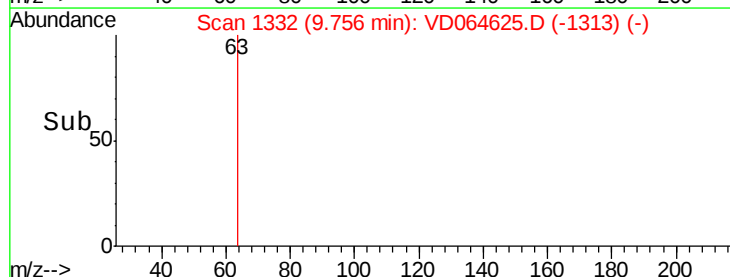
150

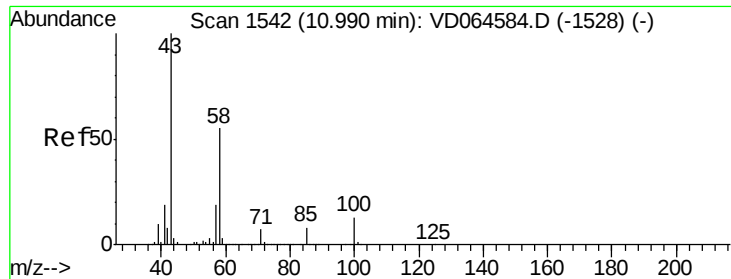
100

50

0

Time--> 9.74 9.75 9.76 9.77

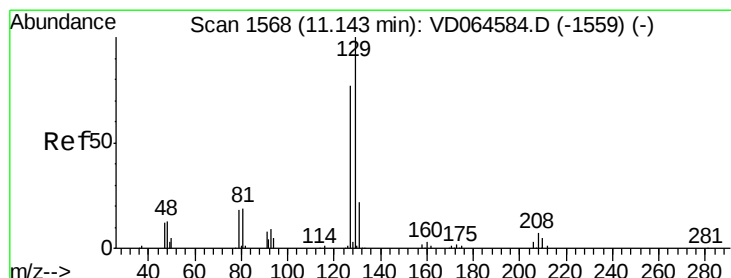
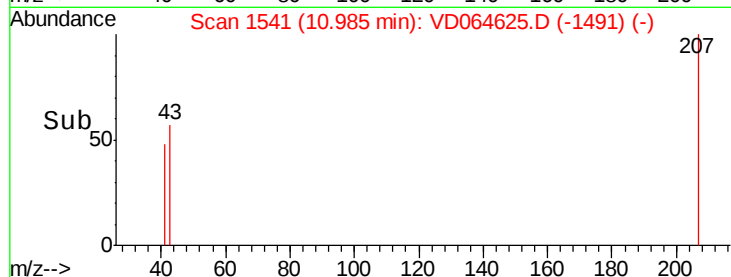
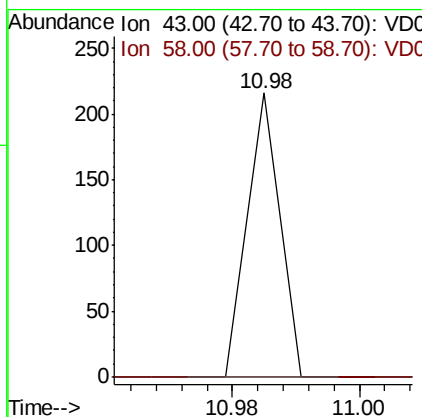
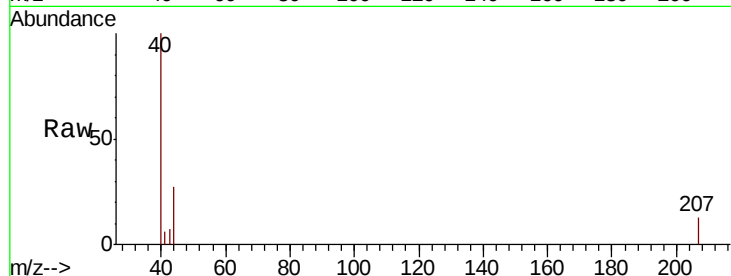




#59
2-Hexanone
Concen: 1.913 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064625.D
Acq: 27 Dec 2019 04:56

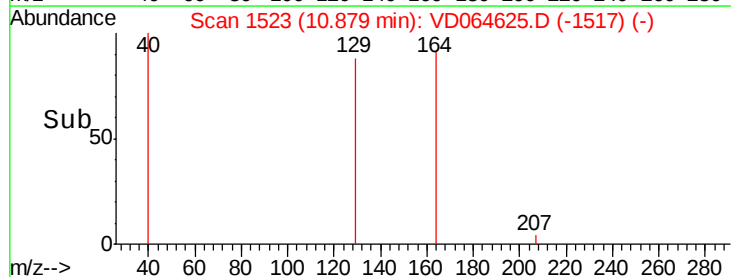
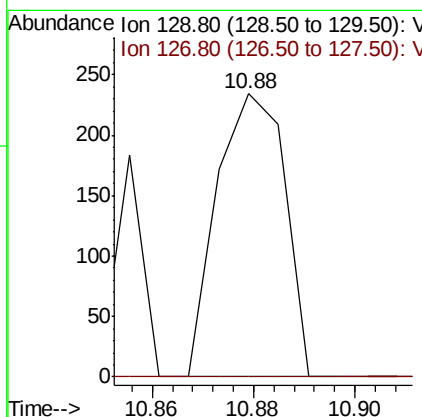
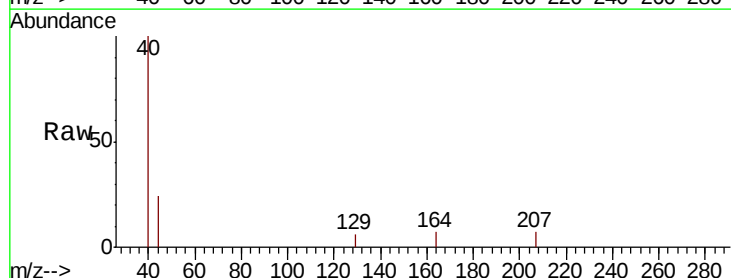
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF002-01

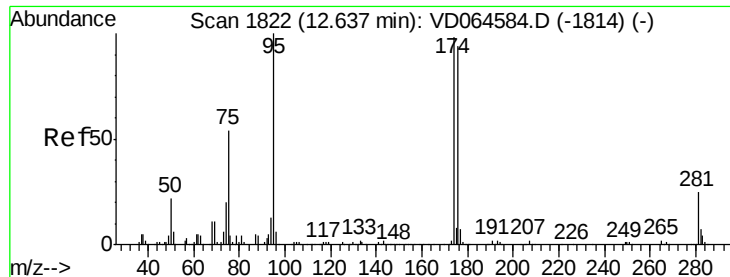
Tot Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
58 0.0 26.4 79.0#



#60
Dibromochloromethane
Concen: 2.115 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.26 min
Lab File: VD064625.D
Acq: 27 Dec 2019 04:56

Tgt Ion: 129 Resp: 217
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

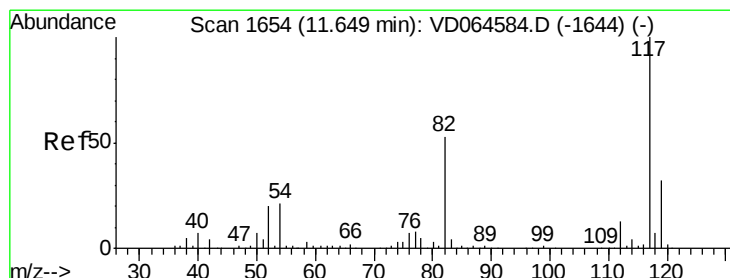
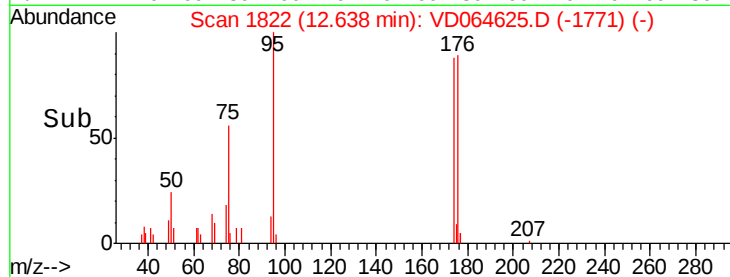
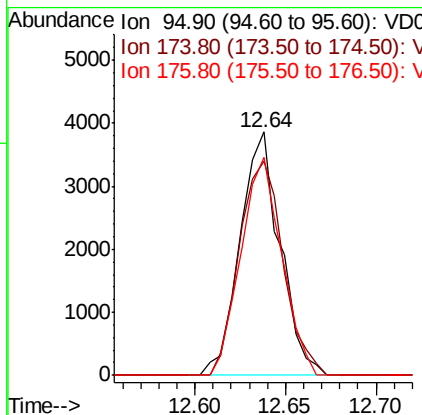
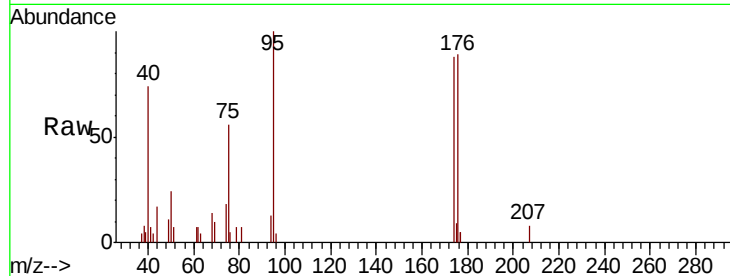




#62
4-Bromofluorobenzene
Concen: 50.644 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064625.D
Acq: 27 Dec 2019 04:56

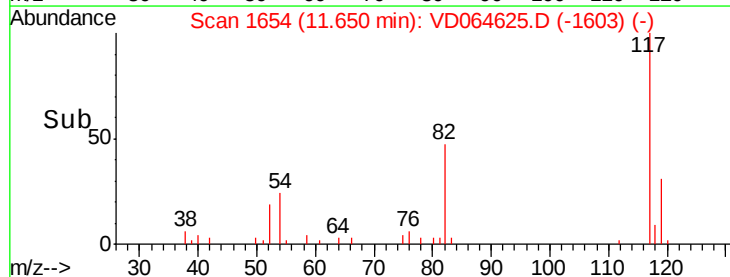
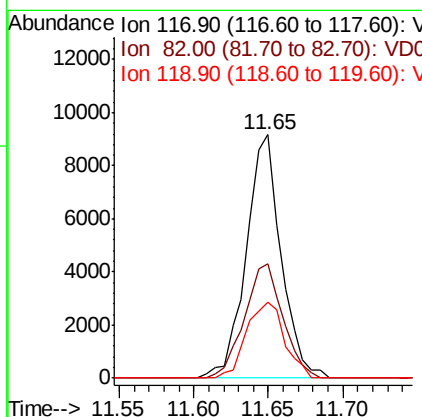
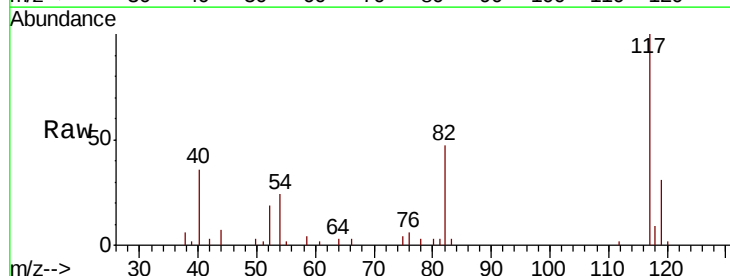
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF002-01

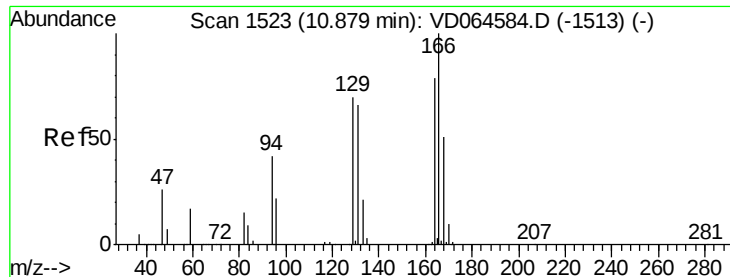
Tot Ion: 95 Resp: 5922
Ion Ratio Lower Upper
95 100
174 96.8 0.0 193.2
176 91.4 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064625.D
Acq: 27 Dec 2019 04:56

Tgt Ion: 117 Resp: 14795
Ion Ratio Lower Upper
117 100
82 47.0 42.2 63.4
119 31.4 26.0 39.0





#64

Tetrachloroethene

Concen: 1.269 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VD064625.D

Acq: 27 Dec 2019 04:56

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF002-01

Tot Ion:164 Resp: 144

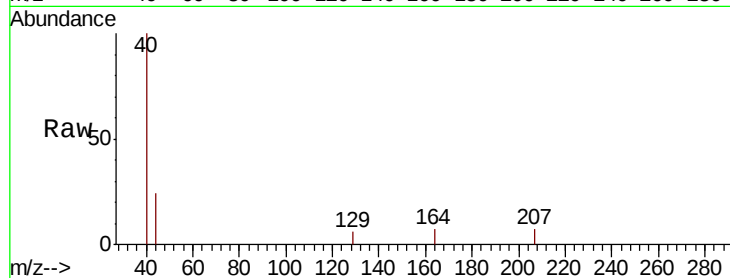
Ion Ratio Lower Upper

164 100

166 0.0 101.3 151.9#

129 96.3 70.5 105.7

131 0.0 66.6 99.8#

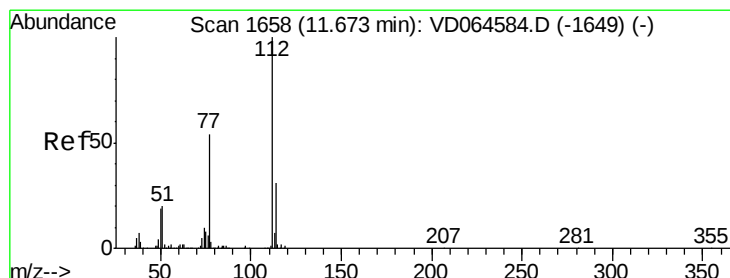
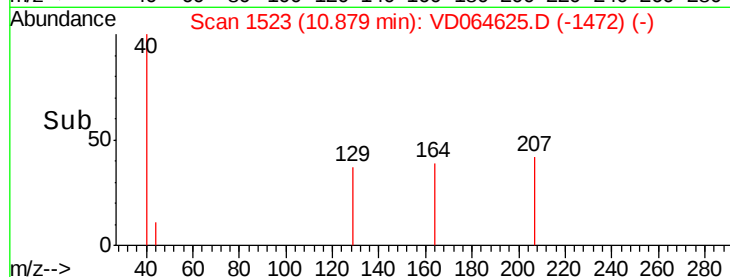
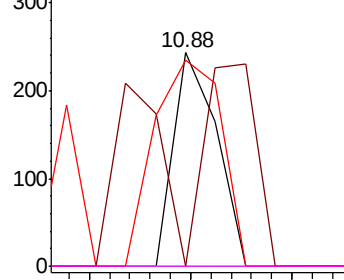


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.081 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064625.D

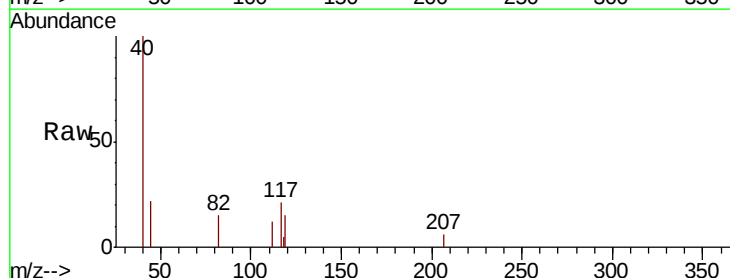
Acq: 27 Dec 2019 04:56

Tgt Ion:112 Resp: 332

Ion Ratio Lower Upper

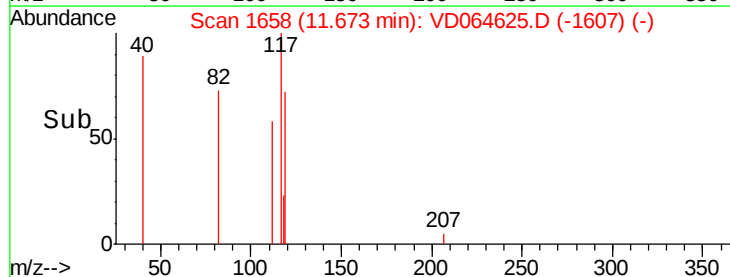
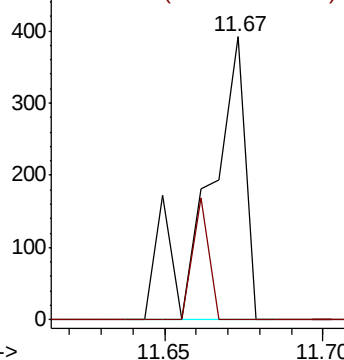
112 100

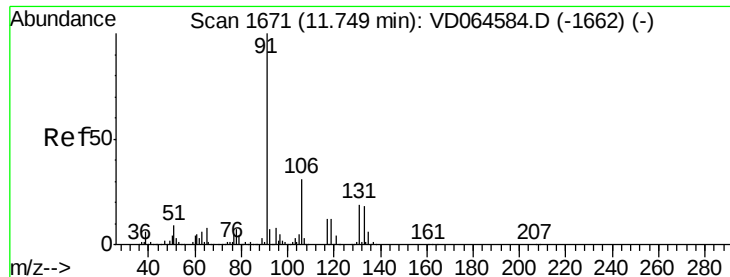
114 0.0 24.8 37.2#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

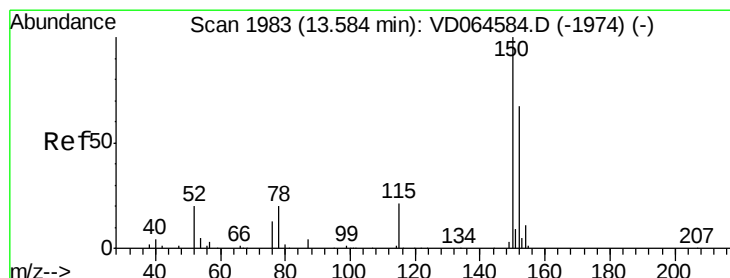
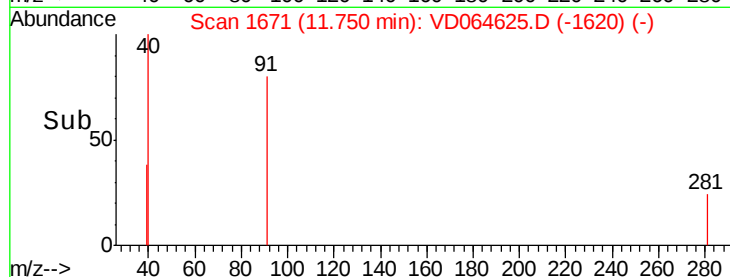
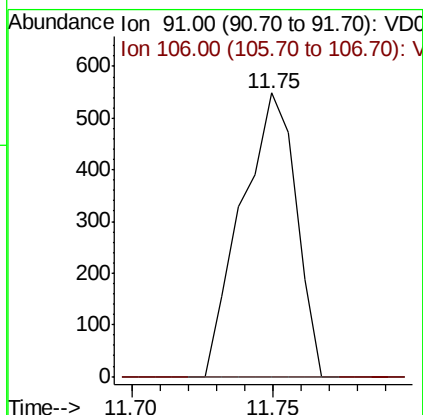
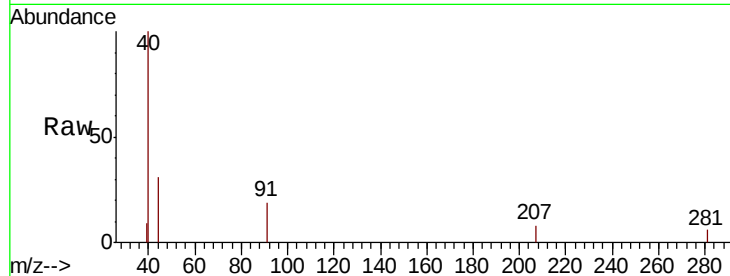




#67
Ethyl Benzene
Concen: 1.317 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064625.D
Acq: 27 Dec 2019 04:56

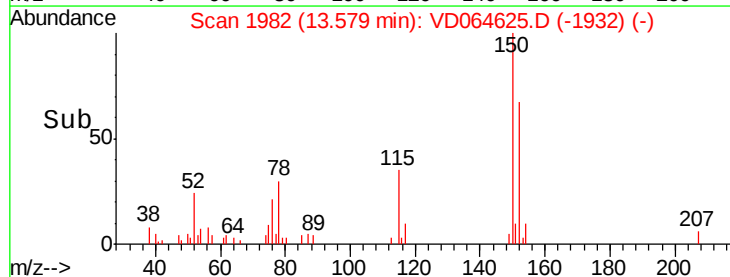
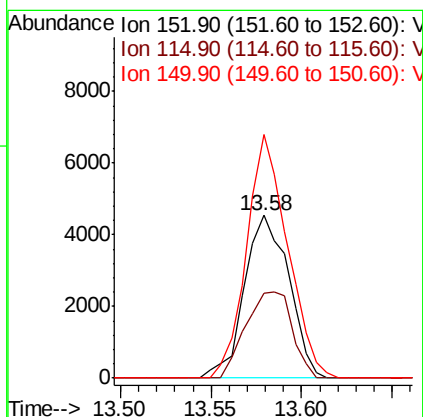
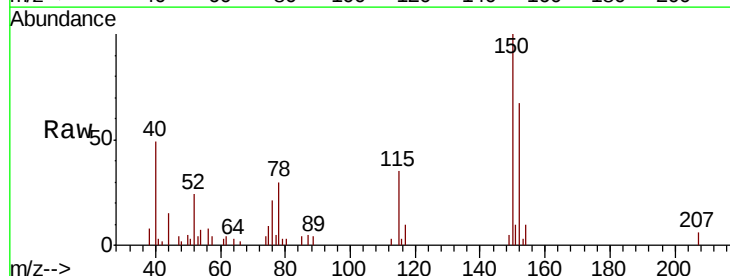
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF002-01

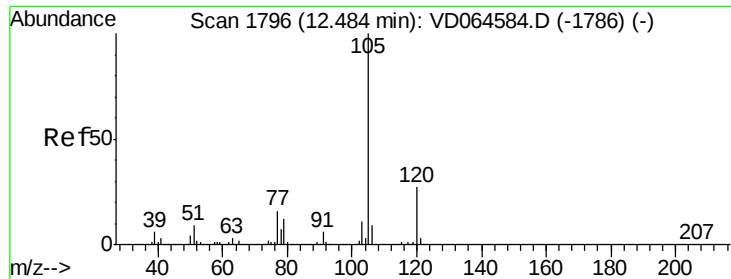
Tot Ion: 91 Resp: 734
Ion Ratio Lower Upper
91 100
106 0.0 24.6 36.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064625.D
Acq: 27 Dec 2019 04:56

Tgt Ion: 152 Resp: 7761
Ion Ratio Lower Upper
152 100
115 55.0 27.8 83.4
150 137.5 0.0 351.4





#73

Isopropylbenzene

Concen: 1.381 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064625.D

Acq: 27 Dec 2019 04:56

Instrument :

MSVOA_D

ClientSampleId :

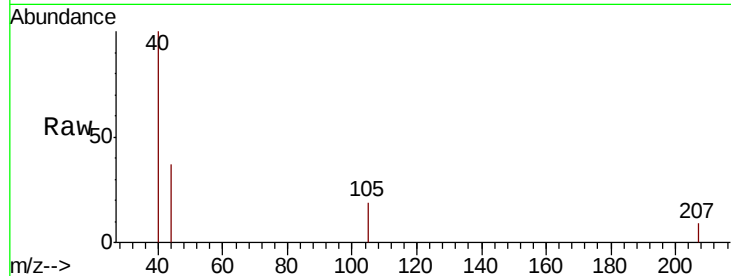
LIED-BF002-01

Tot Ion:105 Resp: 766

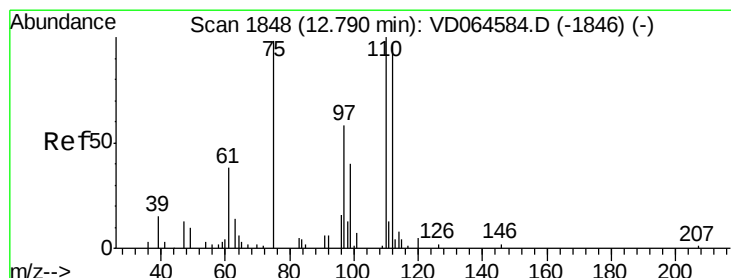
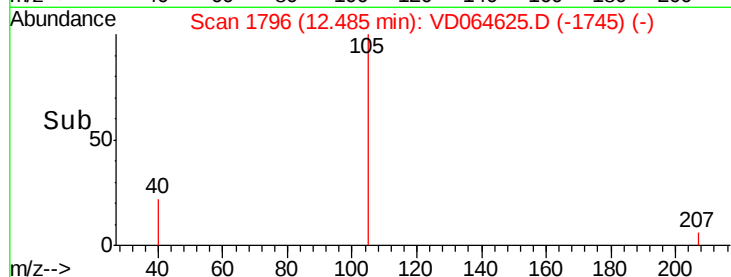
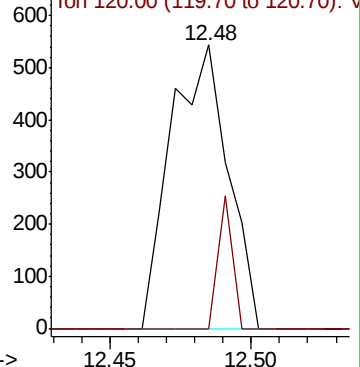
Ion Ratio Lower Upper

105 100

120 11.7 13.5 40.5#



Abundance Ion 105.00 (104.70 to 105.70): V



#76

1,2,3-Trichloropropane

Concen: 50.322 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064625.D

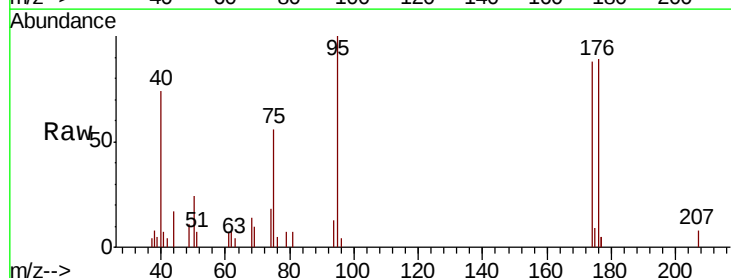
Acq: 27 Dec 2019 04:56

Tgt Ion: 75 Resp: 3084

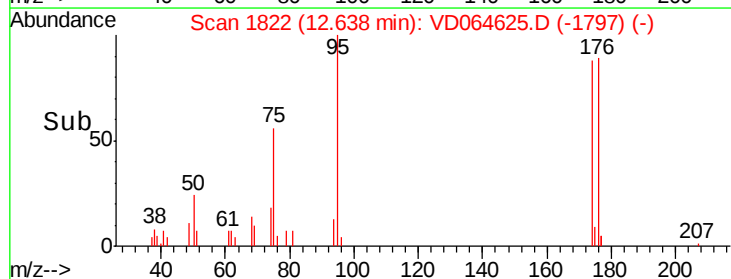
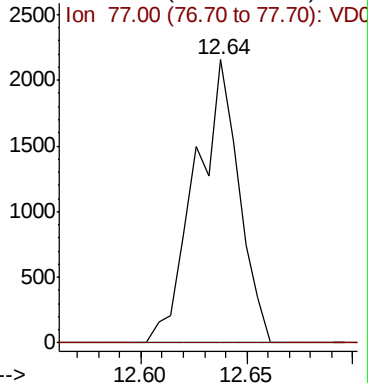
Ion Ratio Lower Upper

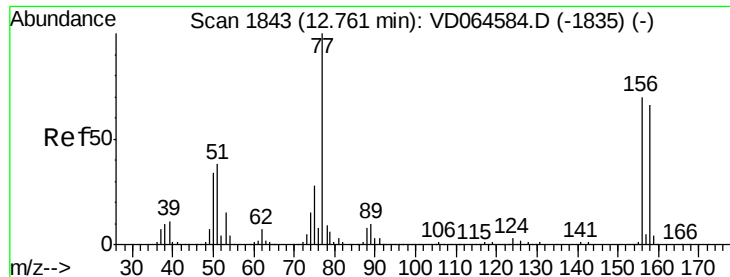
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): V





#77

Bromobenzene

Concen: 1.093 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD064625.D

Acq: 27 Dec 2019 04:56

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF002-01

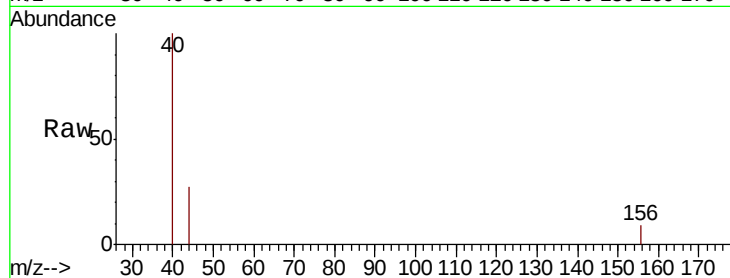
Tot Ion:156 Resp: 149

Ion Ratio Lower Upper

156 100

77 0.0 80.9 242.7#

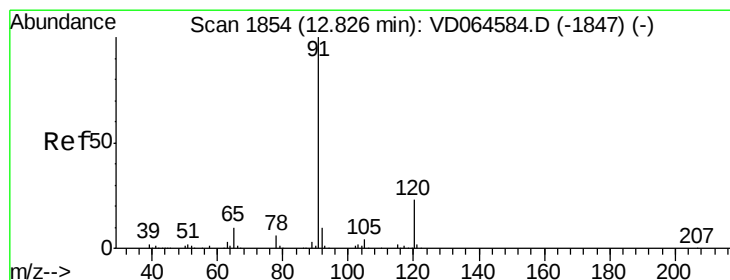
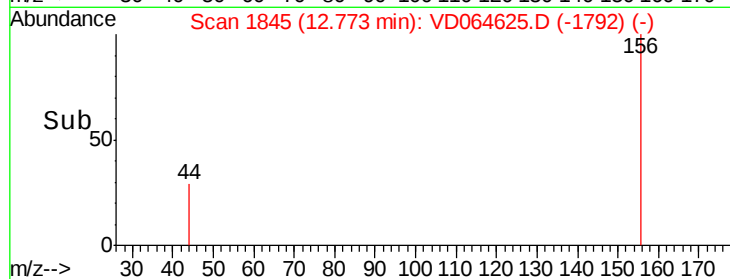
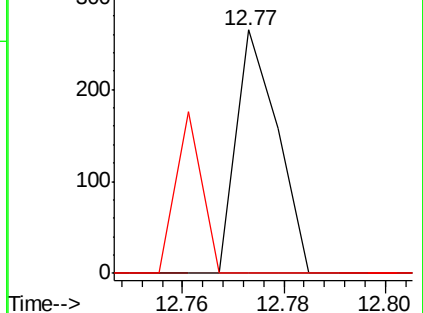
158 41.6 48.0 144.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.026 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064625.D

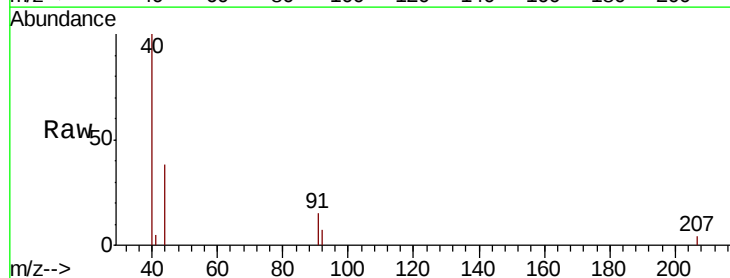
Acq: 27 Dec 2019 04:56

Tgt Ion: 91 Resp: 664

Ion Ratio Lower Upper

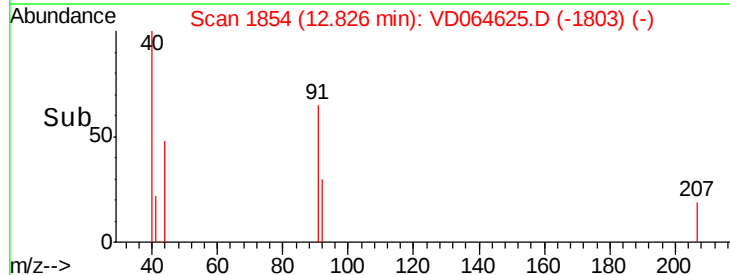
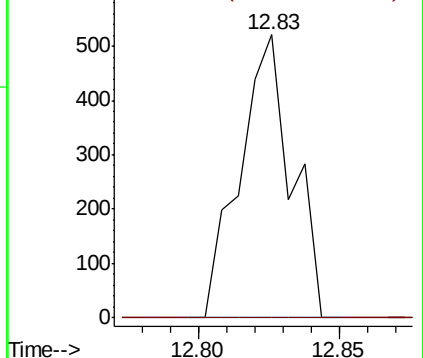
91 100

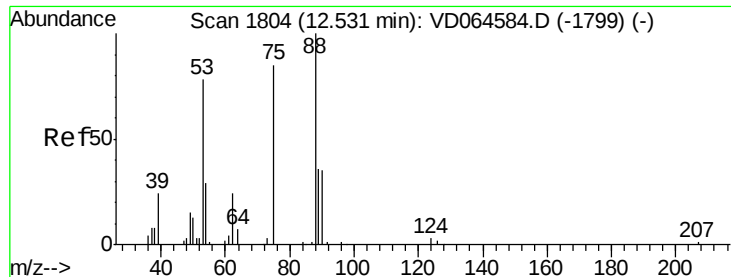
120 0.0 11.9 35.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 105.246 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064625.D

Acq: 27 Dec 2019 04:56

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF002-01

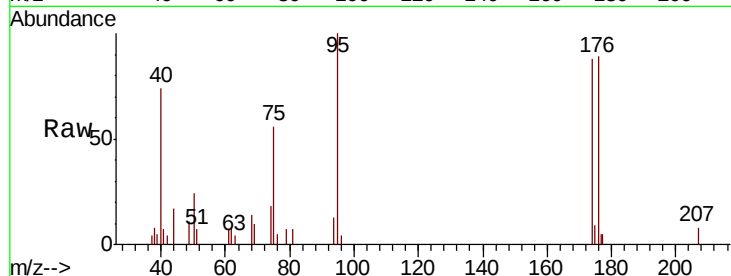
Tot Ion: 75 Resp: 3084

Ion Ratio Lower Upper

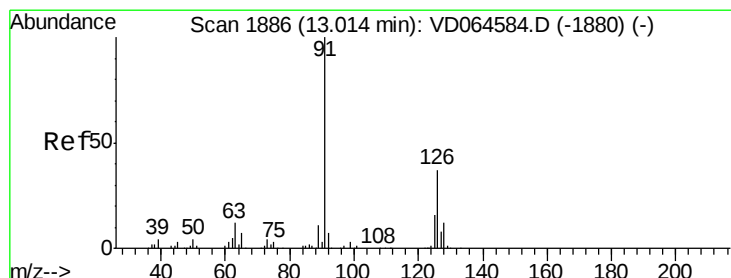
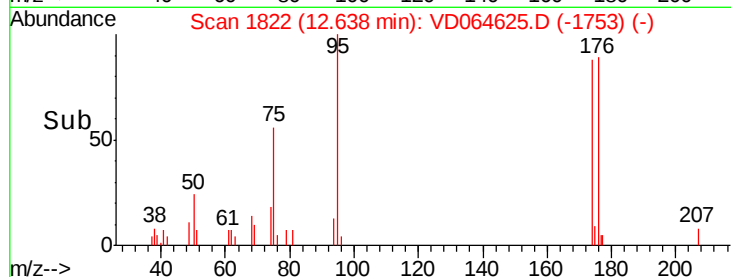
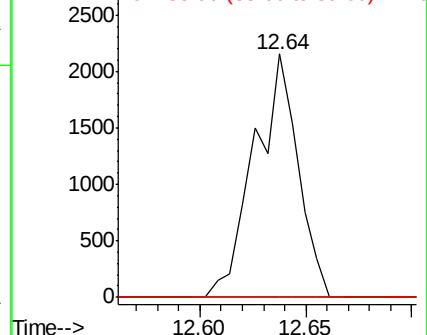
75 100

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



#82

4-Chlorotoluene

Concen: 1.184 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064625.D

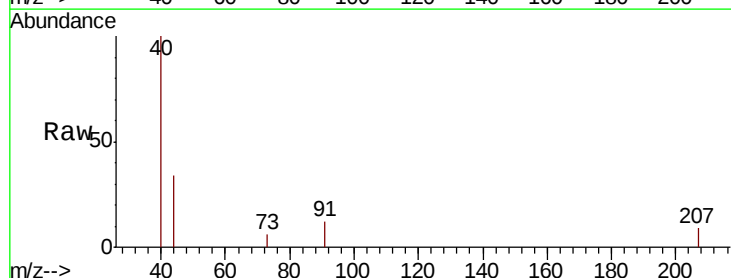
Acq: 27 Dec 2019 04:56

Tgt Ion: 91 Resp: 448

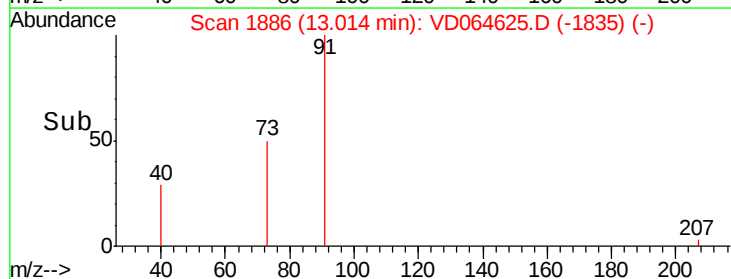
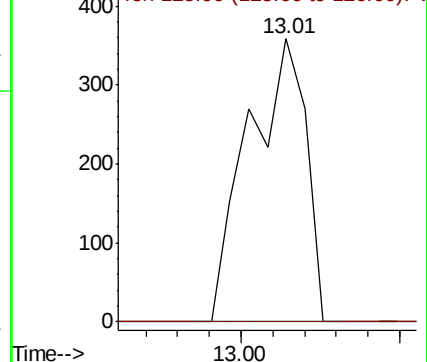
Ion Ratio Lower Upper

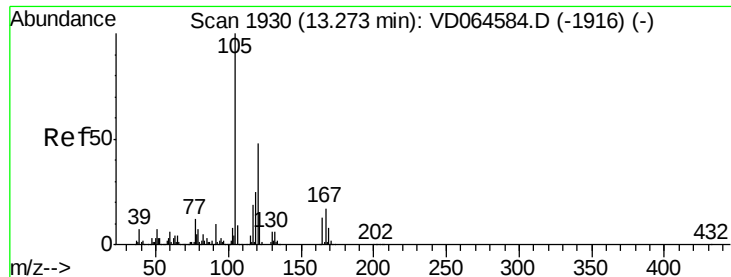
91 100

126 0.0 17.8 53.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

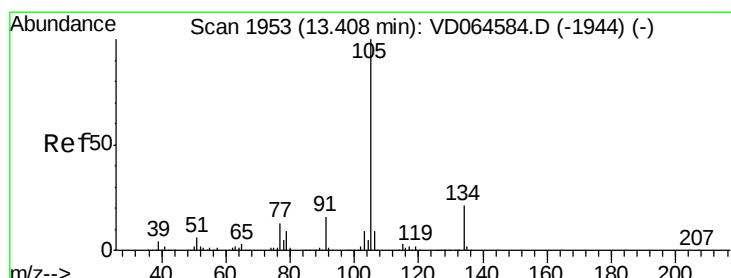
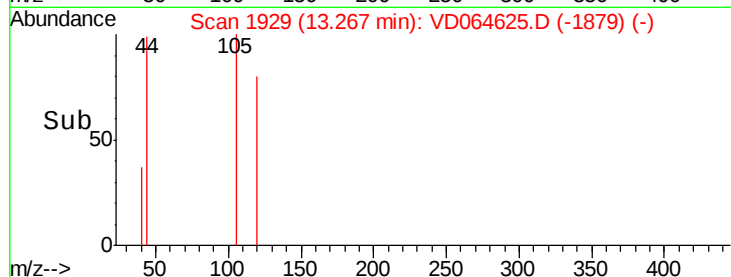
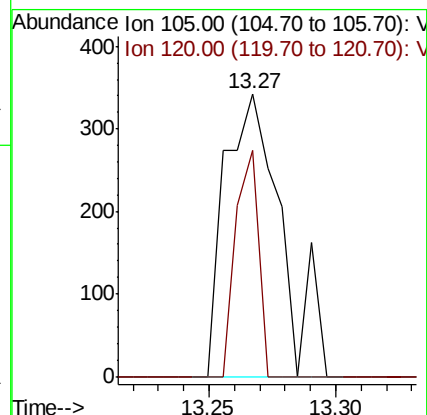
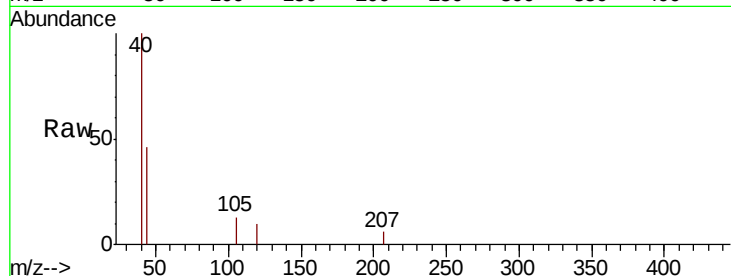




#84
 1,2,4-Trimethylbenzene
 Concen: 1.177 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD064625.D
 Acq: 27 Dec 2019 04:56

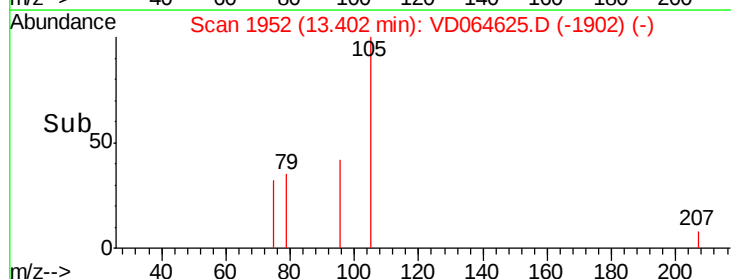
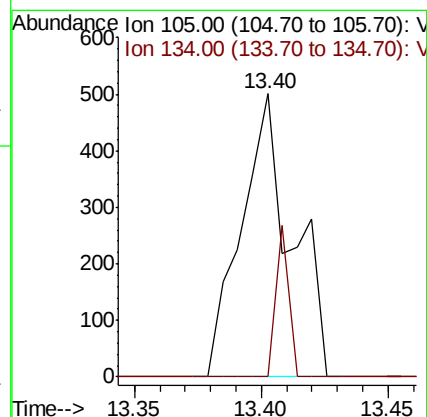
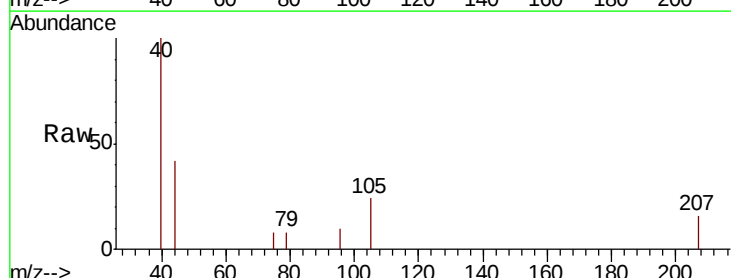
Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF002-01

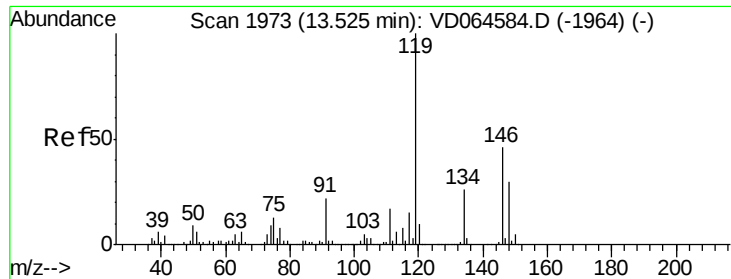
Tot Ion:105 Resp: 534
 Ion Ratio Lower Upper
 105 100
 120 31.8 23.8 71.2



#85
 sec-Butylbenzene
 Concen: 1.287 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD064625.D
 Acq: 27 Dec 2019 04:56

Tgt Ion:105 Resp: 698
 Ion Ratio Lower Upper
 105 100
 134 13.6 10.6 31.8

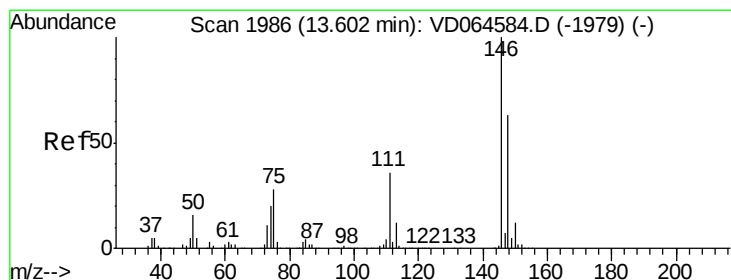
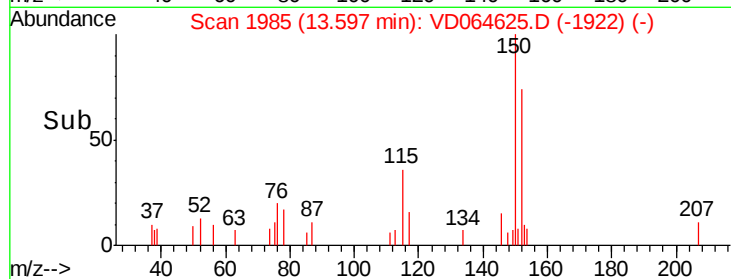
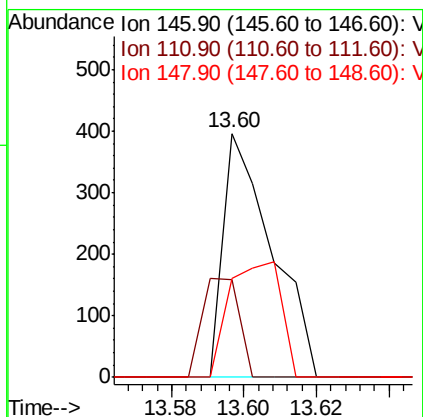
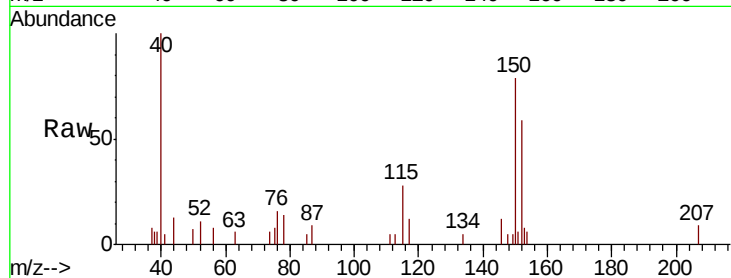




#87
 1,3-Dichlorobenzene
 Concen: 1.428 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.07 min
 Lab File: VD064625.D
 Acq: 27 Dec 2019 04:56

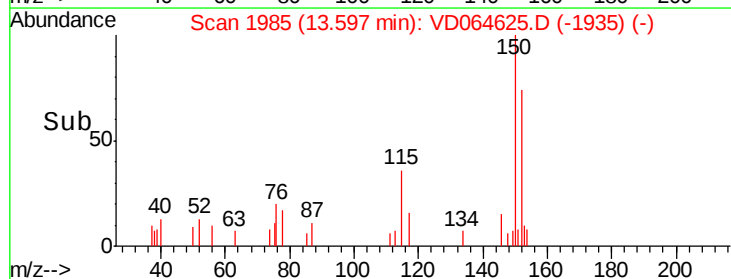
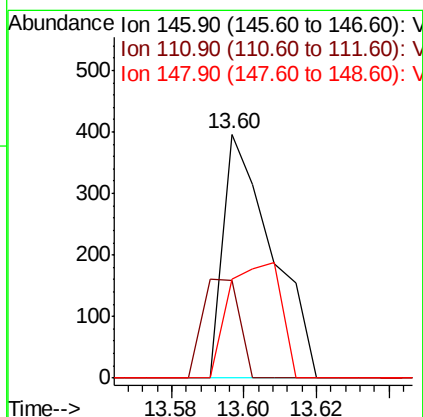
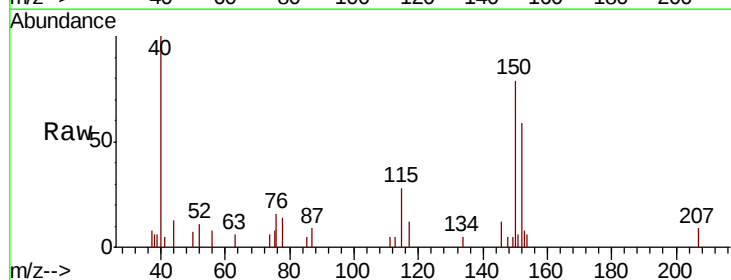
Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF002-01

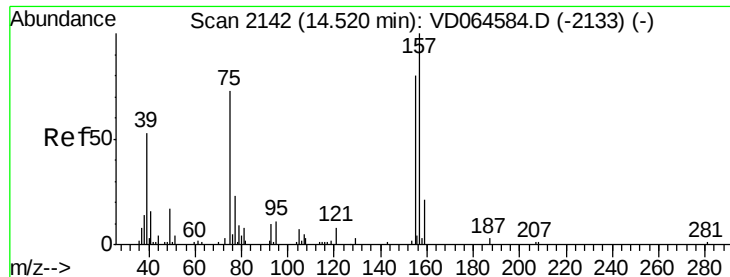
Tot Ion:146 Resp: 371
 Ion Ratio Lower Upper
 146 100
 111 30.2 18.8 56.4
 148 49.9 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 1.454 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD064625.D
 Acq: 27 Dec 2019 04:56

Tgt Ion:146 Resp: 371
 Ion Ratio Lower Upper
 146 100
 111 30.2 18.1 54.1
 148 49.9 32.3 96.9

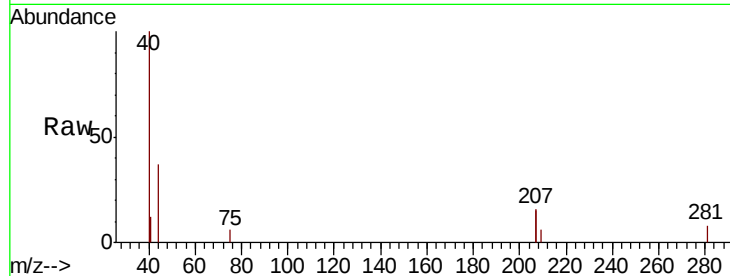




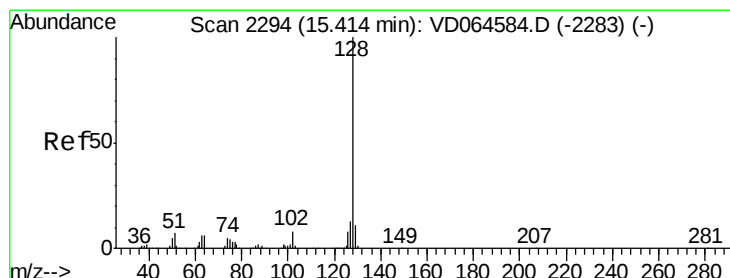
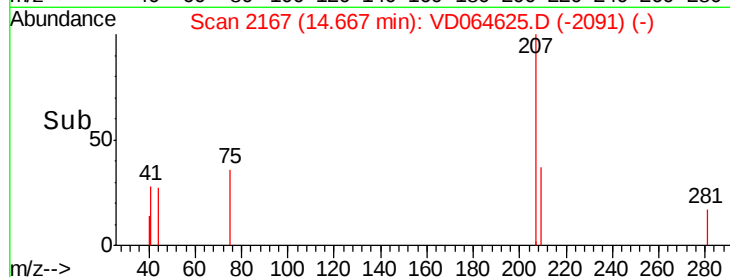
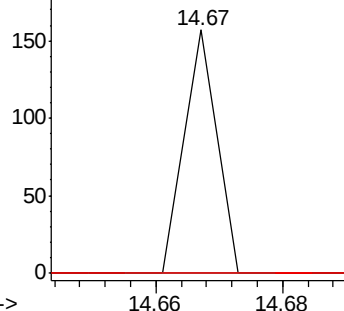
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.894 ug/l
 RT: 14.67 min Scan# 2167
 Delta R.T. 0.15 min
 Lab File: VD064625.D
 Acq: 27 Dec 2019 04:56

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF002-01

Tot Ion: 75 Resp: 55
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.0 144.0#
 157 0.0 64.1 192.3#

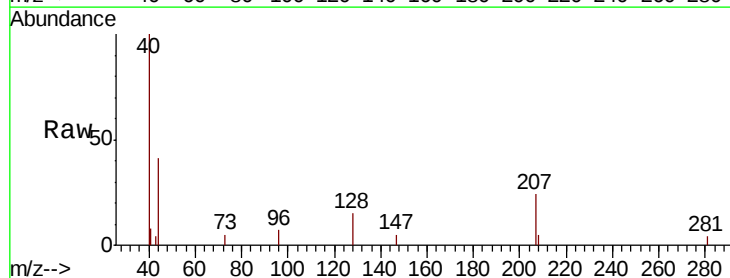


Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

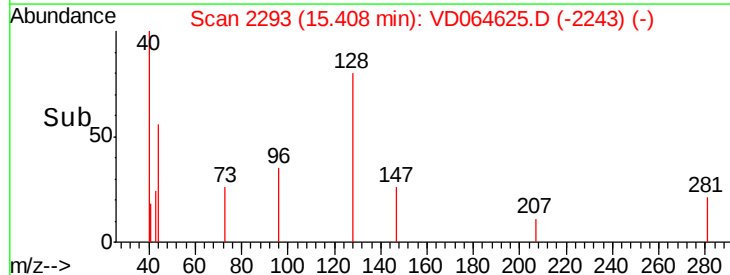
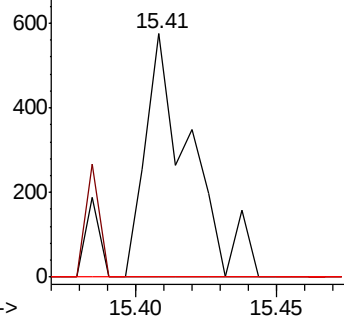


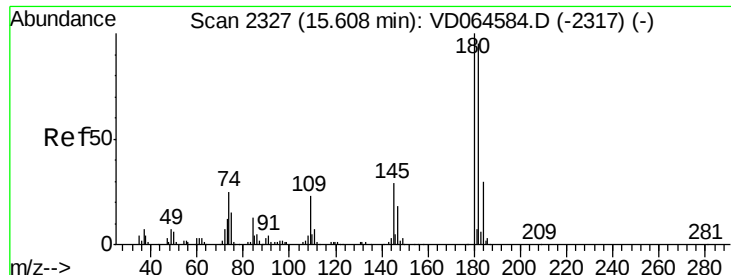
#95
 Naphthalene
 Concen: 2.465 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. -0.01 min
 Lab File: VD064625.D
 Acq: 27 Dec 2019 04:56

Tgt Ion: 128 Resp: 636
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.032 ug/l
 RT: 15.59 min Scan# 2324
 Delta R.T. -0.02 min
 Lab File: VD064625.D
 Acq: 27 Dec 2019 04:56

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF002-01

Tot Ion	Ratio	Lower	Upper
180	100		
182	19.8	47.9	143.7#
145	0.0	14.9	44.7#

