

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064622.D
 Acq On : 27 Dec 2019 03:29
 Operator : VA/SY
 Sample : K6439-02MS
 Misc : 4.79G/5.00ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF001-01MS

Quant Time: Dec 27 05:04:02 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	6045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	8355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	7829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	3453	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	3933	73.78	ug/l	0.00
Spiked Amount			Recovery	=	147.56%	
35) Dibromofluoromethane	7.92	113	3044	59.38	ug/l	0.00
Spiked Amount			Recovery	=	118.76%	
50) Toluene-d8	10.34	98	10640	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	
62) 4-Bromofluorobenzene	12.64	95	3432	55.29	ug/l	0.00
Spiked Amount			Recovery	=	110.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	371	7.897	ug/l #	43
3) Chloromethane	2.21	50	856	13.029	ug/l #	79
4) Vinyl Chloride	2.34	62	316	3.945	ug/l #	41
6) Chloroethane	2.93	64	399	7.433	ug/l #	42
7) Trichlorofluoromethane	3.28	101	780	5.783	ug/l #	17
8) Diethyl Ether	3.70	74	630	23.520	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	4.08	101	64	1.146	ug/l #	16
11) Tert butyl alcohol	5.25	59	55	18.004	ug/l #	70
12) 1,1-Dichloroethene	4.07	96	532	10.003	ug/l #	16
13) Acrolein	3.91	56	388	91.135	ug/l #	14
14) Allyl chloride	4.70	41	142	1.713	ug/l #	19
15) Acrylonitrile	5.43	53	1833	164.292	ug/l #	37
16) Acetone	4.15	43	1469	125.466	ug/l	98
17) Carbon Disulfide	4.41	76	1470	8.548	ug/l #	75
18) Methyl Acetate	4.71	43	1561	52.017	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	1738	14.713	ug/l #	52
20) Methylene Chloride	4.97	84	869	12.251	ug/l #	56
21) trans-1,2-Dichloroethene	5.47	96	642	10.600	ug/l #	43
22) Diisopropyl ether	6.36	45	3184	19.252	ug/l #	70
24) 1,1-Dichloroethane	6.27	63	1026	10.334	ug/l #	80
25) 2-Butanone	7.21	43	2204	150.423	ug/l #	82
27) cis-1,2-Dichloroethene	7.20	96	485	7.420	ug/l	70
28) Bromochloromethane	7.54	49	957	24.795	ug/l #	92
29) Tetrahydrofuran	7.58	42	1620	177.793	ug/l #	90
30) Chloroform	7.72	83	1648	15.820	ug/l #	17
31) Cyclohexane	7.98	56	829	8.341	ug/l #	47
32) 1,1,1-Trichloroethane	7.92	97	725	7.410	ug/l #	62
36) 1,1-Dichloropropene	8.12	75	716	8.904	ug/l #	66
37) Ethyl Acetate	7.29	43	1100	34.819	ug/l #	79
38) Carbon Tetrachloride	8.08	117	168	1.959	ug/l #	61
39) Methylcyclohexane	9.35	83	545	5.596	ug/l #	67
40) Benzene	8.34	78	1770	8.063	ug/l #	85
41) Methacrylonitrile	7.56	41	1204	65.686	ug/l #	24
42) 1,2-Dichloroethane	8.43	62	1489	23.472	ug/l #	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Isopropyl Acetate	8.44	43	785	12.484	ug/l #	67
44) Trichloroethene	9.11	130	1059	16.421	ug/l	86
45) 1,2-Dichloropropane	9.40	63	729	13.908	ug/l #	43
46) Dibromomethane	9.48	93	747	25.562	ug/l #	79
47) Bromodichloromethane	9.67	83	1442	18.544	ug/l #	92
48) Methyl methacrylate	9.46	41	1064	35.937	ug/l #	73
49) 1,4-Dioxane	9.47	88	76	225.543	ug/l #	46
51) 4-Methyl-2-Pentanone	10.23	43	4514	145.235	ug/l	100
52) Toluene	10.40	92	1692	11.748	ug/l	87
53) t-1,3-Dichloropropene	10.62	75	610	8.414	ug/l #	43
54) cis-1,3-Dichloropropene	10.08	75	1047	12.248	ug/l #	85
55) 1,1,2-Trichloroethane	10.80	97	880	22.344	ug/l	87
56) Ethyl methacrylate	10.66	69	1083	22.019	ug/l #	88
57) 1,3-Dichloropropane	10.95	76	1645	24.259	ug/l #	63
58) 2-Chloroethyl Vinyl ether	9.93	63	260	13.875	ug/l #	45
59) 2-Hexanone	10.98	43	2462	116.710	ug/l	97
60) Dibromochloromethane	11.14	129	897	16.470	ug/l	86
61) 1,2-Dibromoethane	11.24	107	748	19.256	ug/l #	45
64) Tetrachloroethene	10.87	164	1114	18.547	ug/l #	78
65) Chlorobenzene	11.67	112	1993	12.265	ug/l #	80
66) 1,1,1,2-Tetrachloroethane	11.74	131	730	11.917	ug/l	93
67) Ethyl Benzene	11.74	91	2625	8.900	ug/l	89
68) m/p-Xylenes	11.87	106	2070	18.184	ug/l	78
69) o-Xylene	12.18	106	1071	10.416	ug/l	95
70) Styrene	12.20	104	1959	10.854	ug/l	95
71) Bromoform	12.36	173	408	11.680	ug/l #	83
73) Isopropylbenzene	12.48	105	2232	9.045	ug/l	95
74) N-amyl acetate	12.29	43	654	12.399	ug/l #	84
75) 1,1,1,2-Tetrachloroethane	12.73	83	609	15.711	ug/l #	75
76) 1,2,3-Trichloropropane	12.78	75	800	29.339	ug/l #	100
77) Bromobenzene	12.77	156	886	14.613	ug/l	69
78) n-propylbenzene	12.83	91	1984	6.892	ug/l	95
79) 2-Chlorotoluene	12.91	91	1879	11.882	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	1855	9.151	ug/l	85
81) trans-1,4-Dichloro-2-buten	12.64	75	2016	154.634	ug/l #	10
82) 4-Chlorotoluene	13.00	91	1769	10.511	ug/l	94
83) tert-Butylbenzene	13.23	119	1413	8.029	ug/l	76
84) 1,2,4-Trimethylbenzene	13.27	105	1864	9.233	ug/l	92
85) sec-Butylbenzene	13.41	105	2242	9.292	ug/l #	73
86) p-Isopropyltoluene	13.51	119	1568	6.796	ug/l #	84
87) 1,3-Dichlorobenzene	13.52	146	1360	11.766	ug/l	89
88) 1,4-Dichlorobenzene	13.61	146	1372	12.083	ug/l	91
89) n-Butylbenzene	13.86	91	1654	7.961	ug/l	93
90) Hexachloroethane	14.12	117	154	3.494	ug/l #	5
91) 1,2-Dichlorobenzene	13.90	146	1071	10.866	ug/l	79
92) 1,2-Dibromo-3-Chloropropan	14.72	75	66	10.503	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.18	180	249	3.431	ug/l #	71
94) Hexachlorobutadiene	15.28	225	327	7.161	ug/l #	64
95) Naphthalene	15.41	128	596	5.191	ug/l #	69

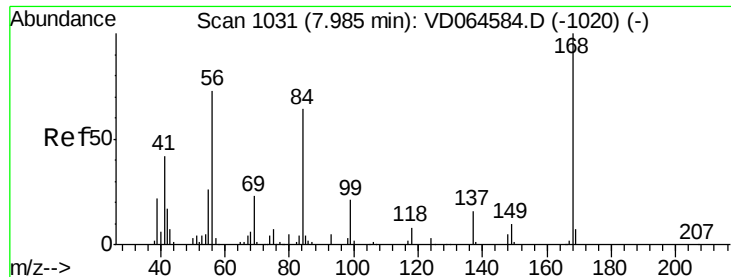
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

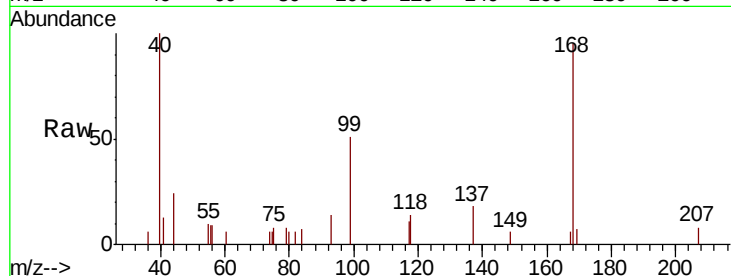
LIED-BF001-01MS

Tot Ion:168 Resp: 6045

Ion Ratio Lower Upper

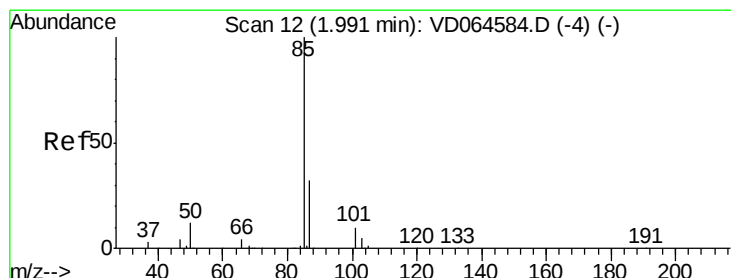
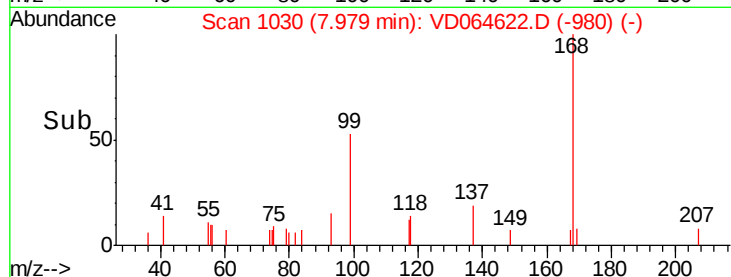
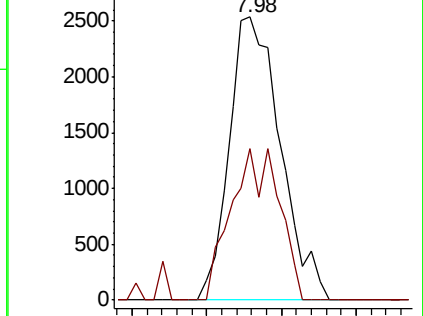
168 100

99 53.4 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: 7.897 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064622.D

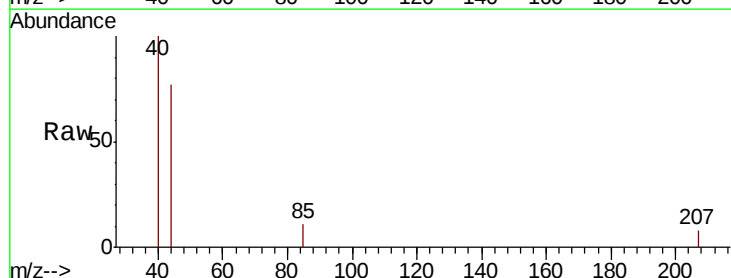
Acq: 27 Dec 2019 03:29

Tgt Ion: 85 Resp: 371

Ion Ratio Lower Upper

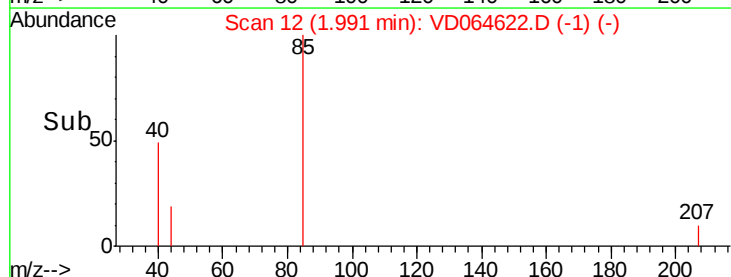
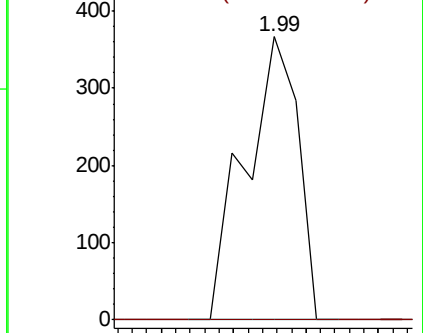
85 100

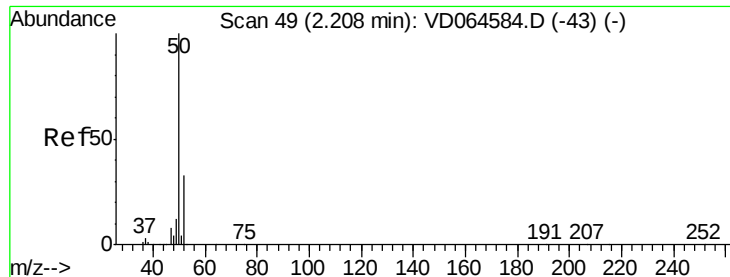
87 0.0 16.1 48.2#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 13.029 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

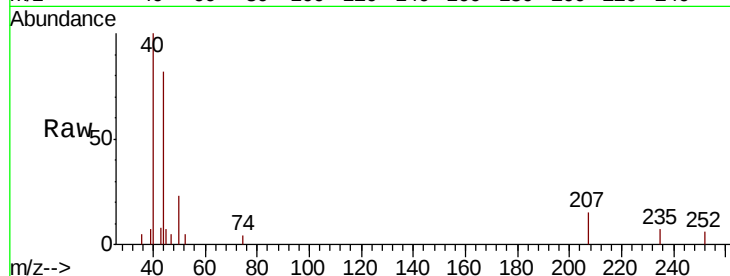
LIED-BF001-01MS

Tot Ion: 50 Resp: 856

Ion Ratio Lower Upper

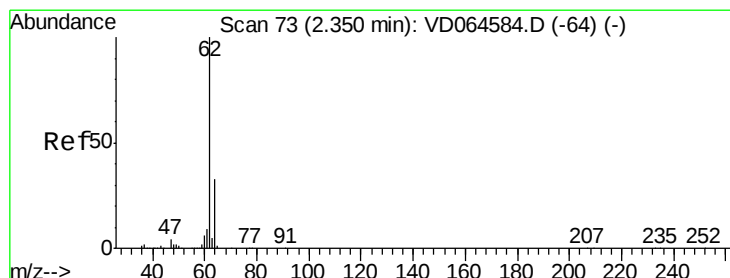
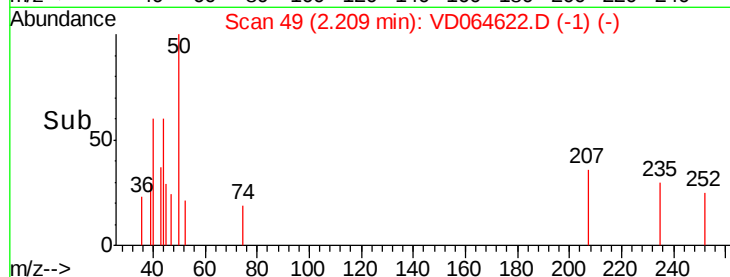
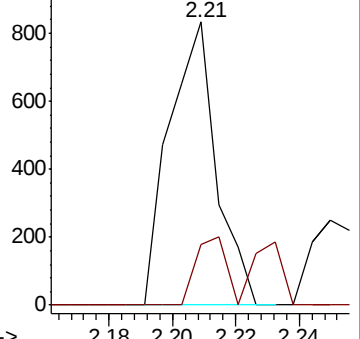
50 100

52 21.4 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 3.945 ug/l

RT: 2.34 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD064622.D

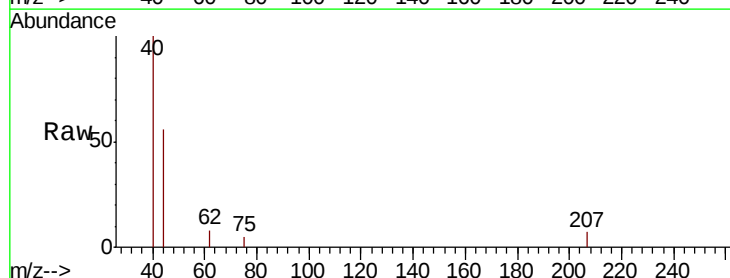
Acq: 27 Dec 2019 03:29

Tgt Ion: 62 Resp: 316

Ion Ratio Lower Upper

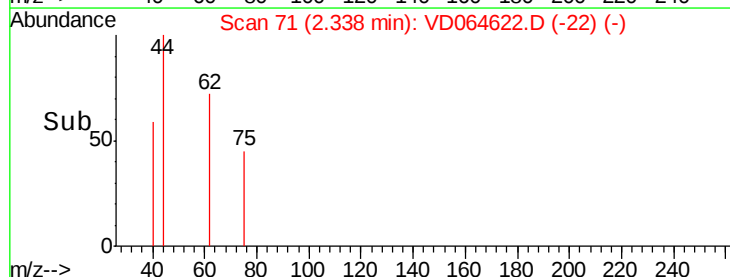
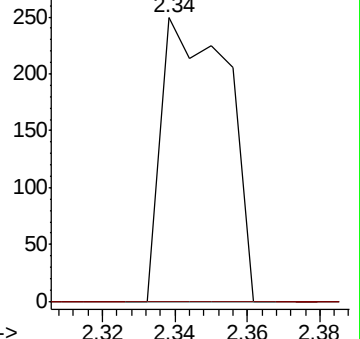
62 100

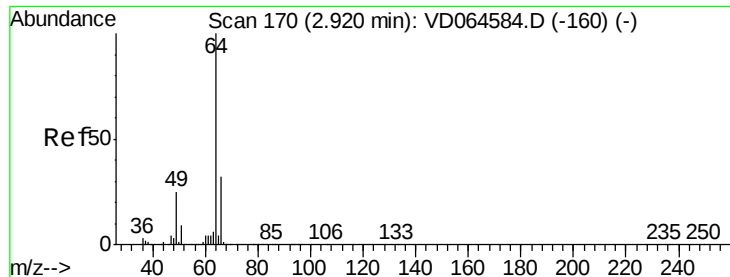
64 0.0 26.6 40.0#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#6

Chloroethane

Concen: 7.433 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

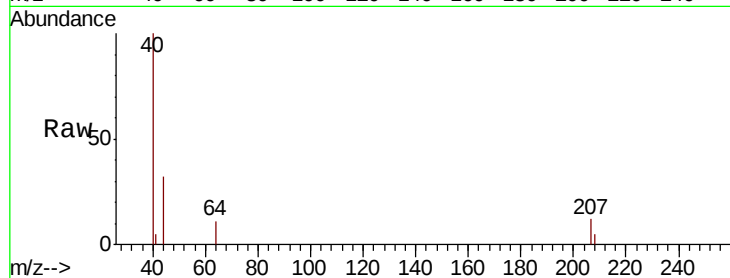
LIED-BF001-01MS

Tot Ion: 64 Resp: 399

Ion Ratio Lower Upper

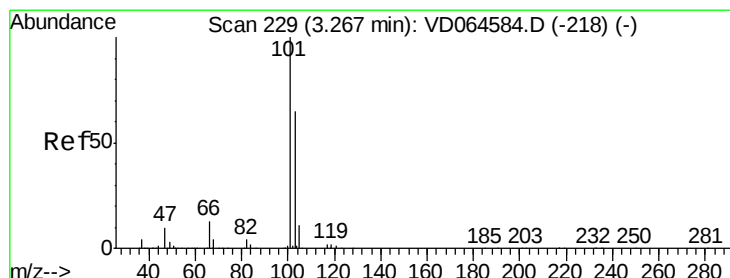
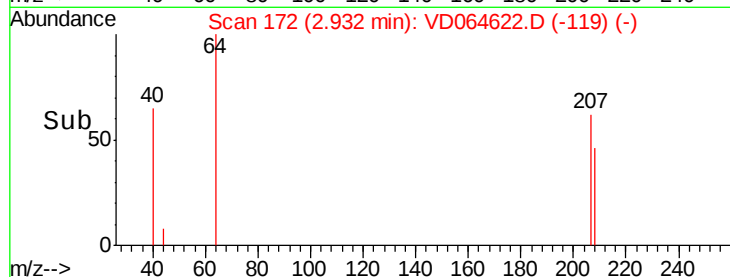
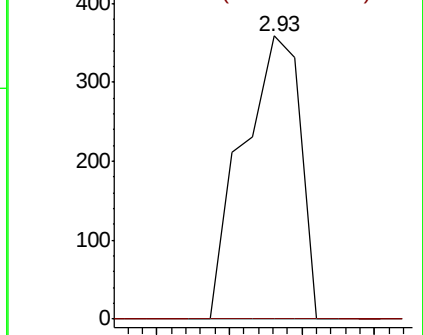
64 100

66 0.0 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



#7

Trichlorofluoromethane

Concen: 5.783 ug/l

RT: 3.28 min Scan# 231

Delta R.T. 0.01 min

Lab File: VD064622.D

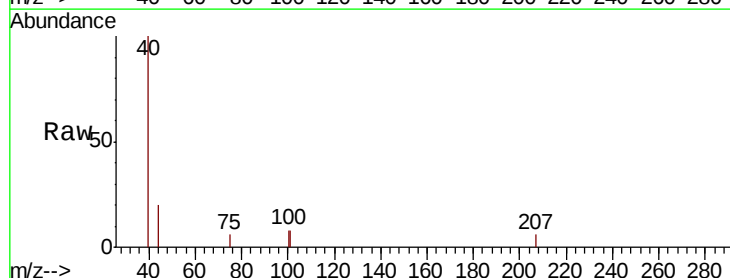
Acq: 27 Dec 2019 03:29

Tgt Ion: 101 Resp: 780

Ion Ratio Lower Upper

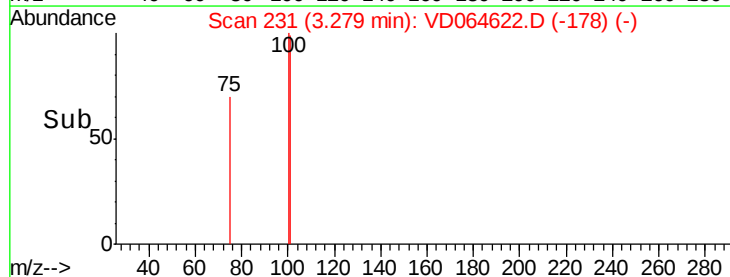
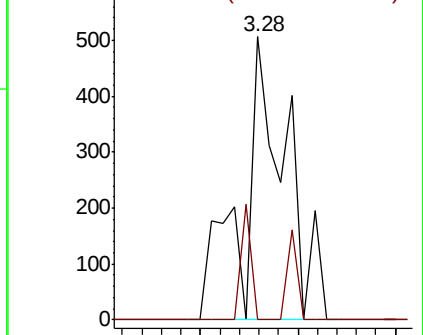
101 100

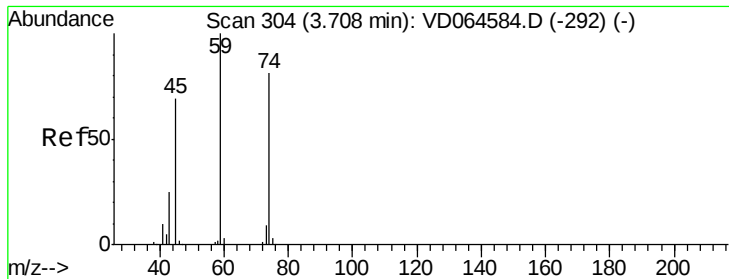
103 0.0 52.2 78.4#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#8

Diethyl Ether

Concen: 23.520 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

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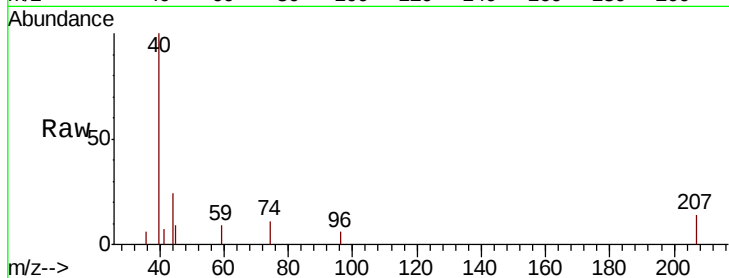
LIED-BF001-01MS

Tot Ion: 74 Resp: 630

Ion Ratio Lower Upper

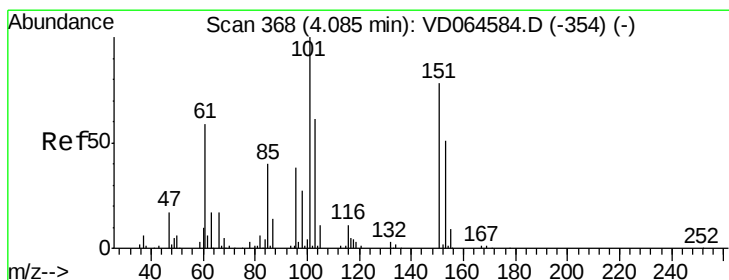
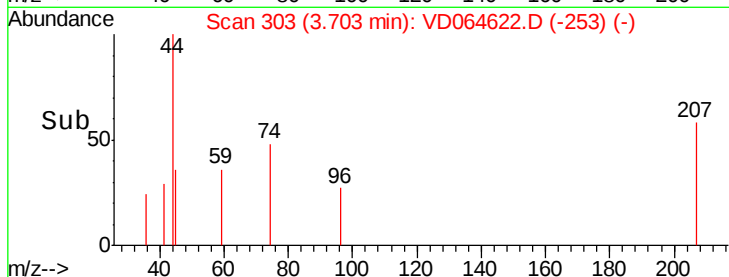
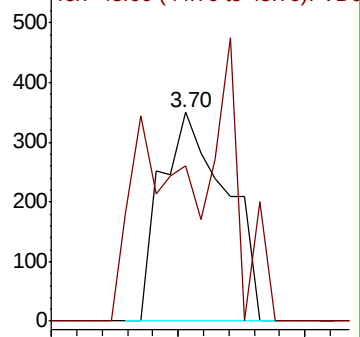
74 100

45 79.0 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.146 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

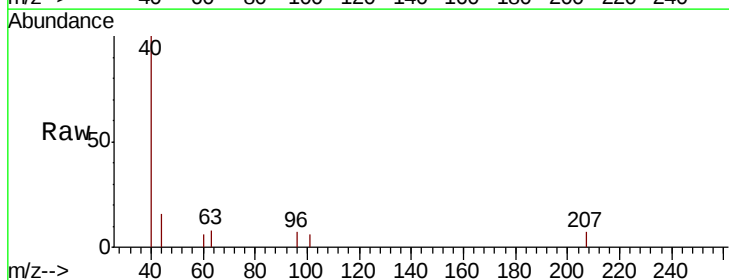
Tgt Ion: 101 Resp: 64

Ion Ratio Lower Upper

101 100

85 0.0 35.2 52.8#

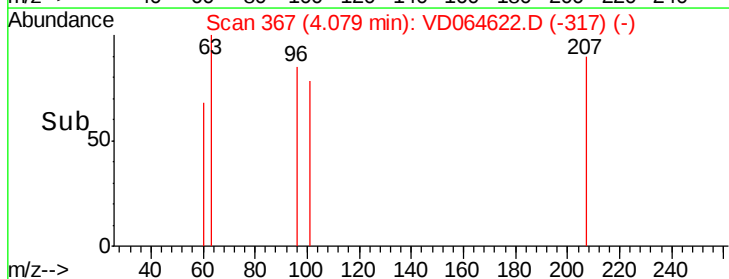
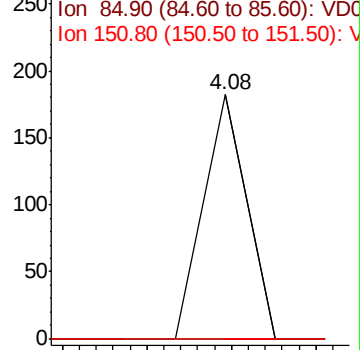
151 0.0 66.2 99.4#

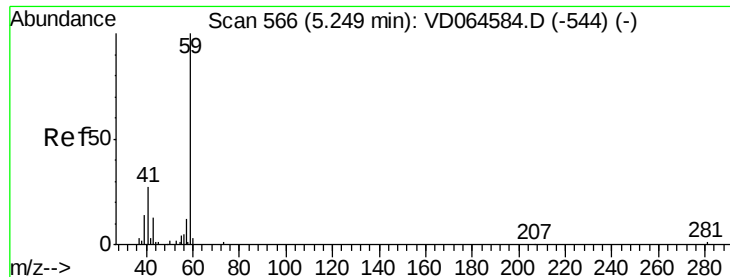


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VDC

Ion 150.80 (150.50 to 151.50): V



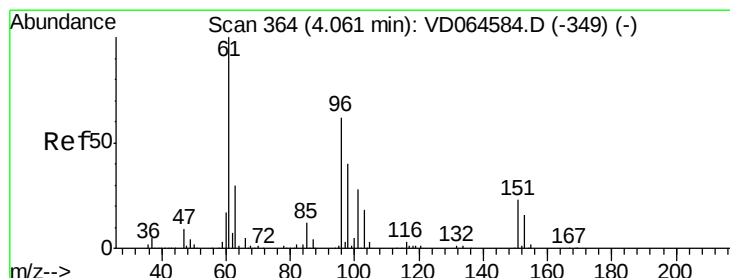
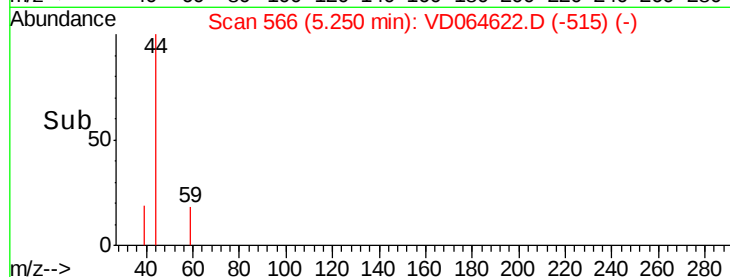
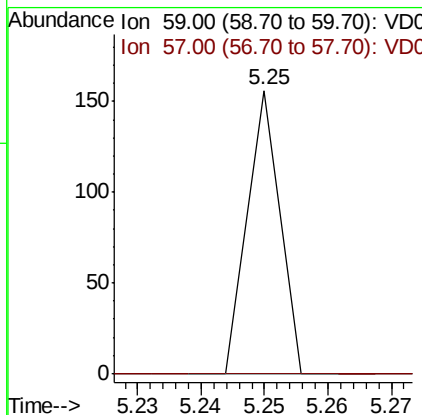
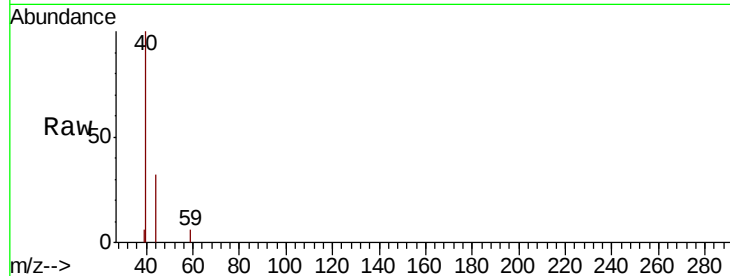


#11

Tert butyl alcohol
 Concen: 18.004 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064622.D
 Acq: 27 Dec 2019 03:29

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF001-01MS

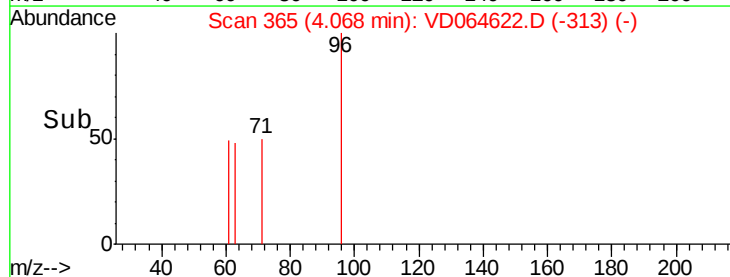
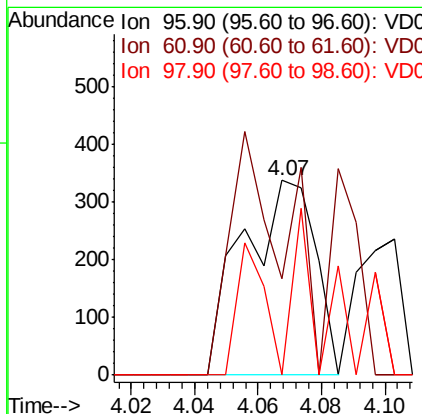
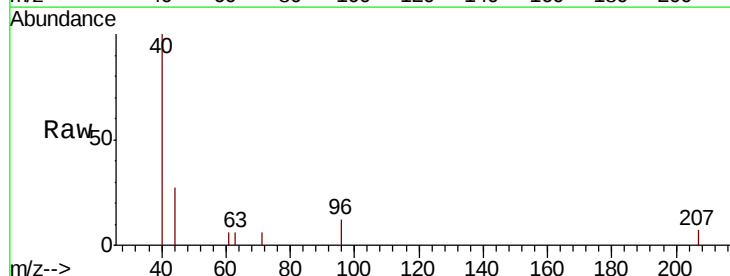
Tot Ion: 59 Resp: 55
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

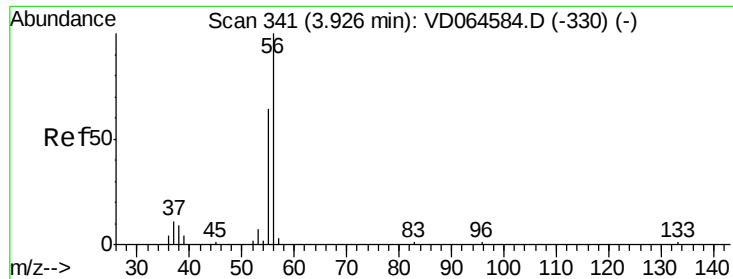


#12

1,1-Dichloroethene
 Concen: 10.003 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD064622.D
 Acq: 27 Dec 2019 03:29

Tgt Ion: 96 Resp: 532
 Ion Ratio Lower Upper
 96 100
 61 49.3 129.4 194.0#
 98 0.0 51.4 77.0#





#13

Acrolein

Concen: 91.135 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

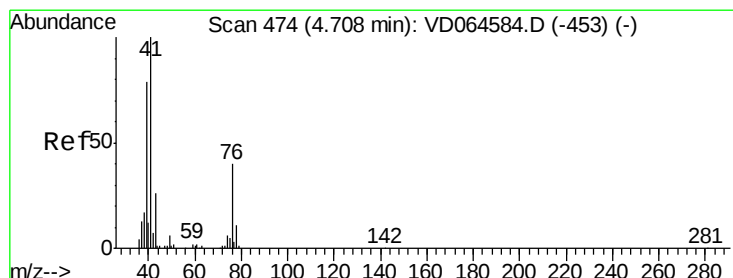
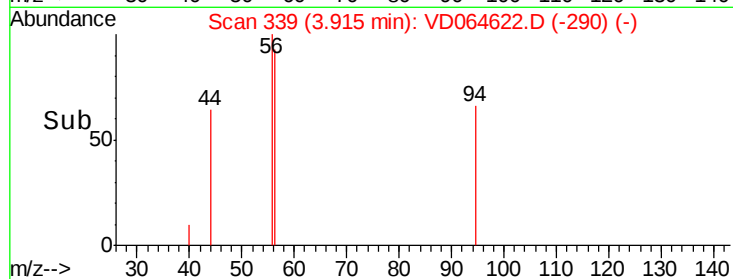
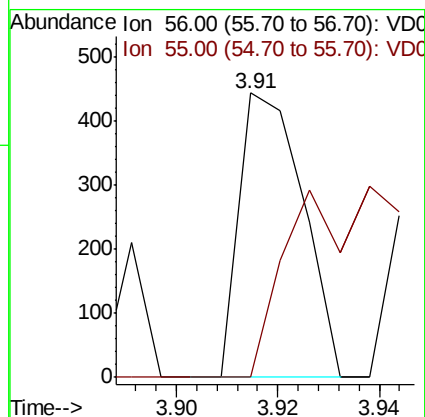
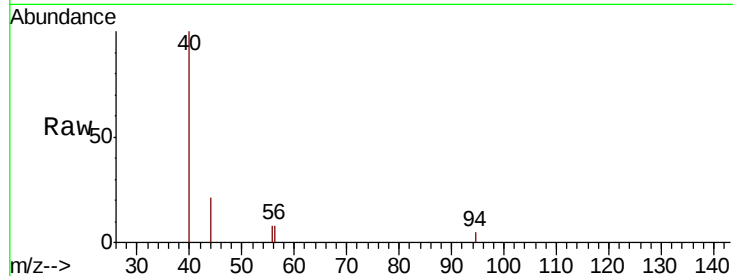
LIED-BF001-01MS

Tot Ion: 56 Resp: 388

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#14

Allyl chloride

Concen: 1.713 ug/l

RT: 4.70 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

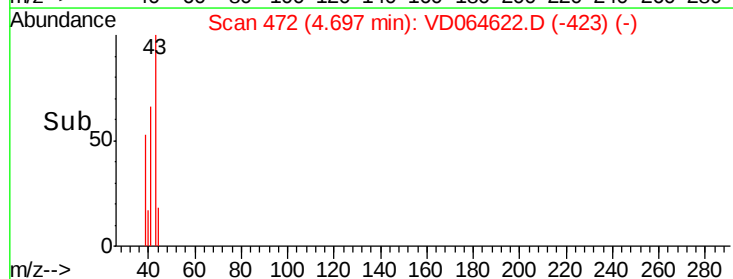
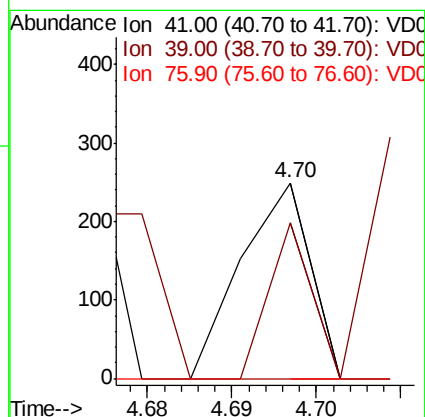
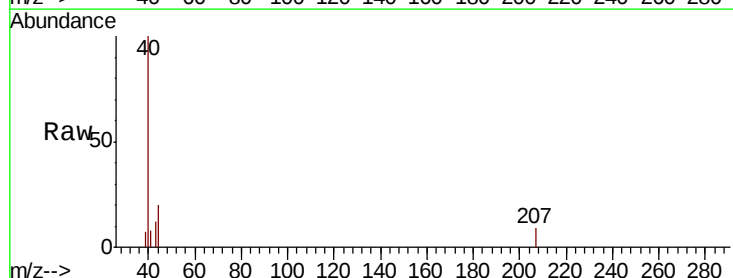
Tgt Ion: 41 Resp: 142

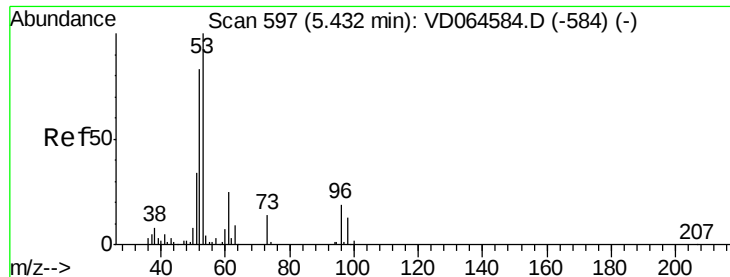
Ion Ratio Lower Upper

41 100

39 0.0 62.3 93.5#

76 0.0 29.7 44.5#





#15

Acrylonitrile

Concen: 164.292 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF001-01MS

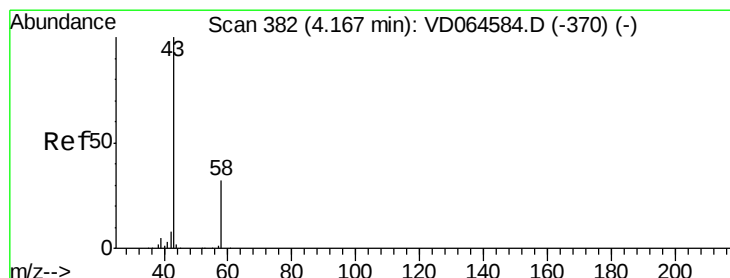
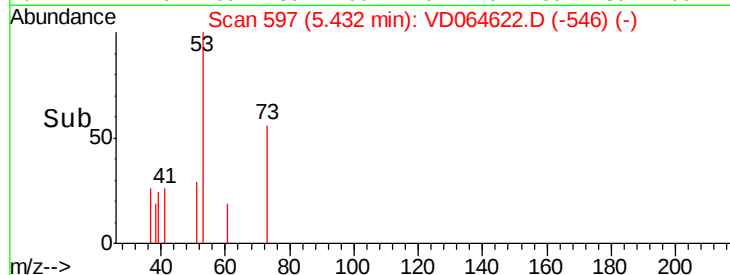
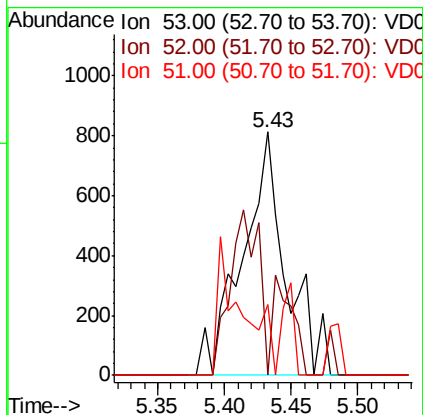
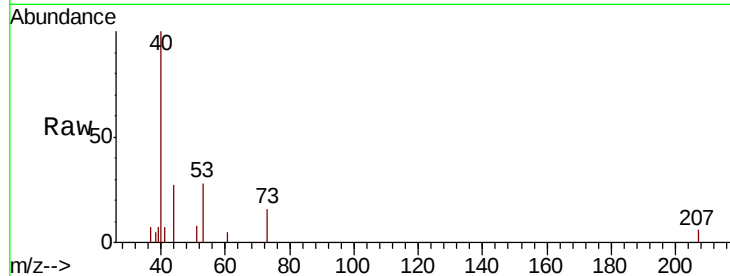
Tot Ion: 53 Resp: 1833

Ion Ratio Lower Upper

53 100

52 19.0 66.2 99.2#

51 10.3 30.1 45.1#



#16

Acetone

Concen: 125.466 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.02 min

Lab File: VD064622.D

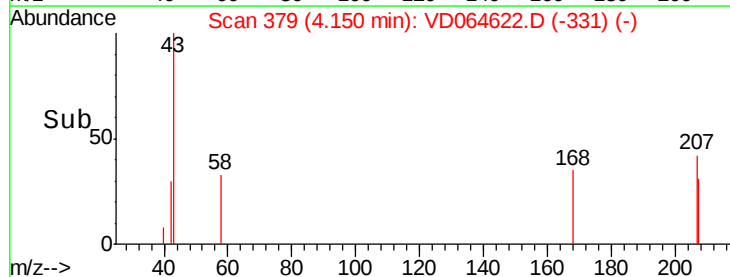
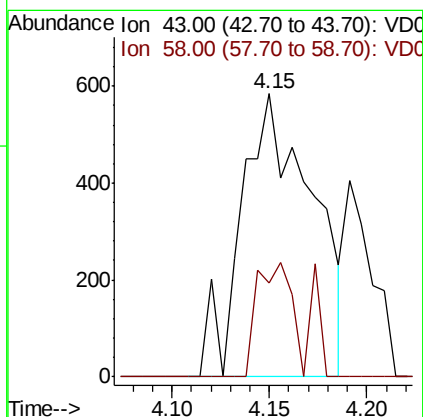
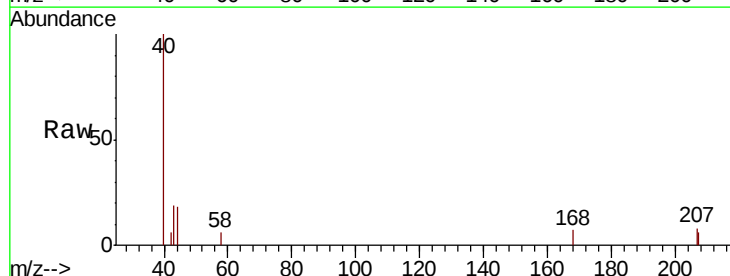
Acq: 27 Dec 2019 03:29

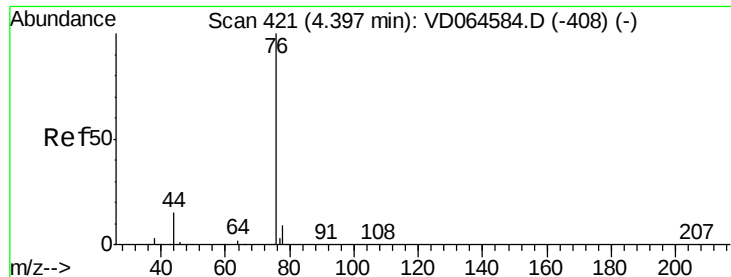
Tgt Ion: 43 Resp: 1469

Ion Ratio Lower Upper

43 100

58 33.0 25.8 38.6

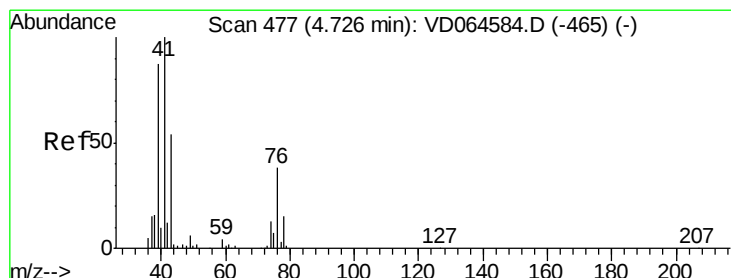
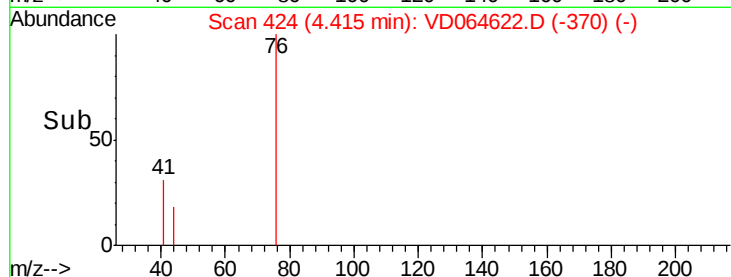
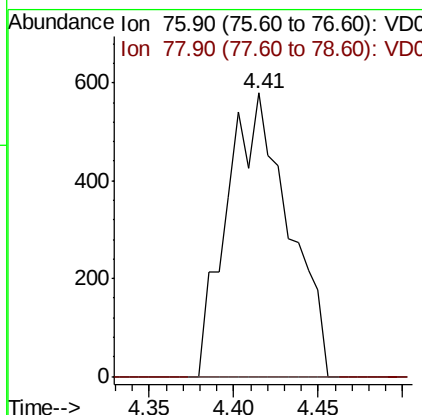
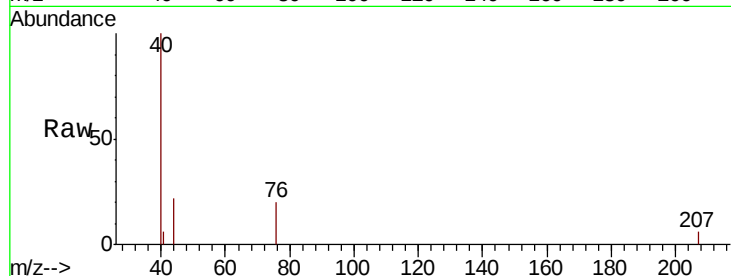




#17
Carbon Disulfide
Concen: 8.548 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.02 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

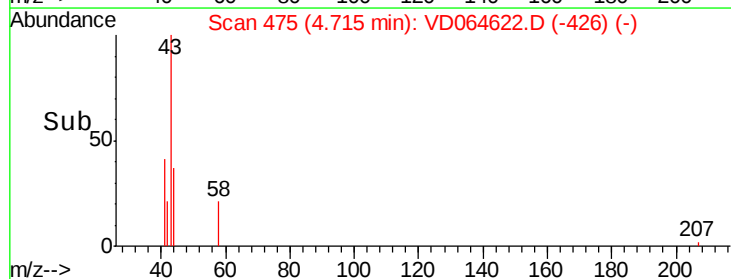
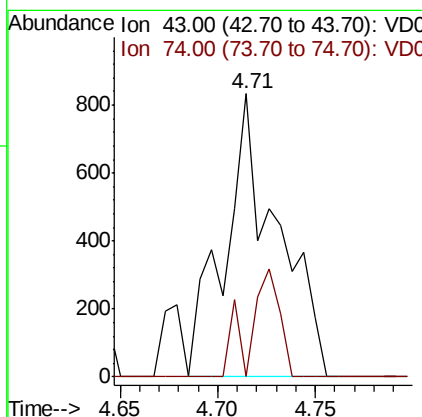
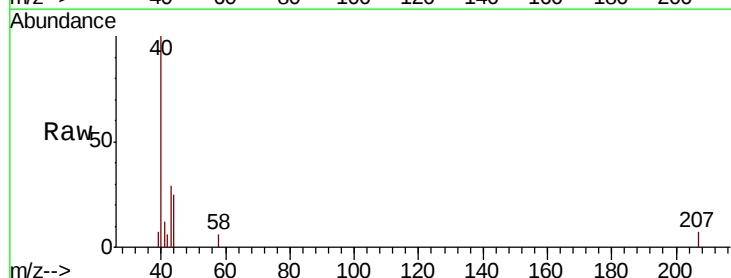
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-01MS

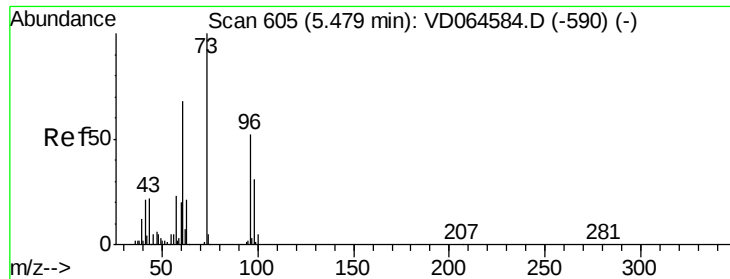
Tot Ion: 76 Resp: 1470
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: 52.017 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

Tgt Ion: 43 Resp: 1561
Ion Ratio Lower Upper
43 100
74 21.8 19.2 28.8

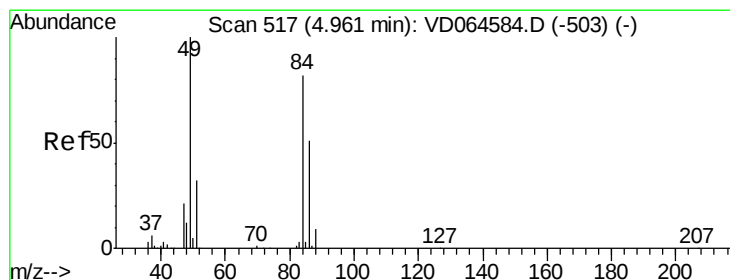
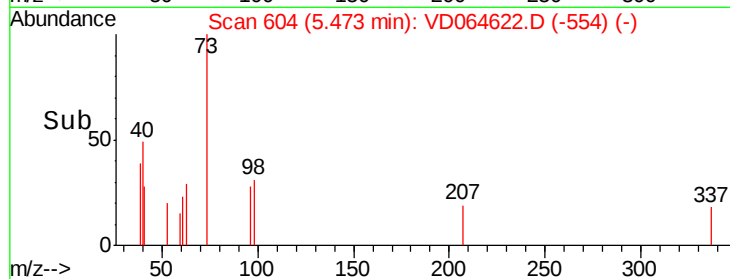
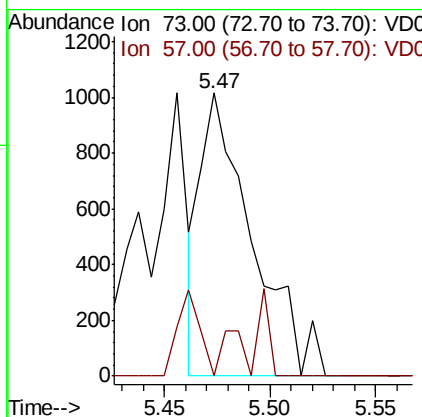
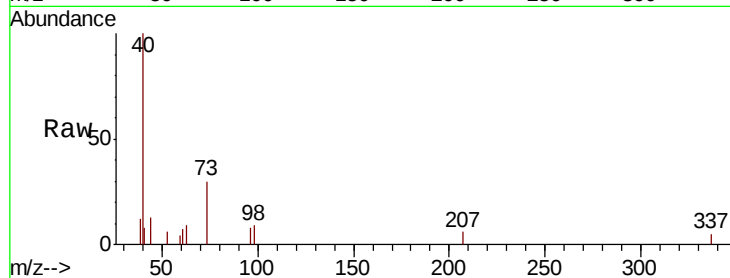




#19
Methyl tert-butyl Ether
Concen: 14.713 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

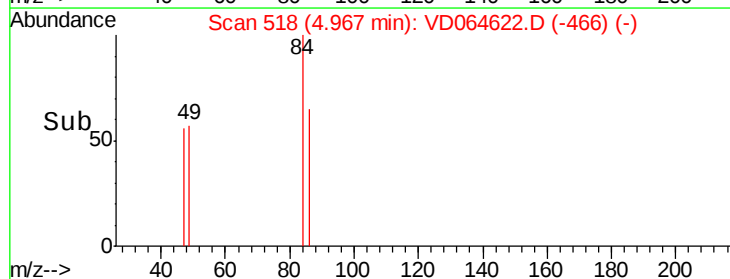
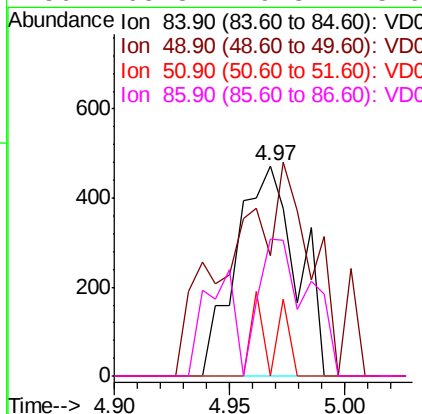
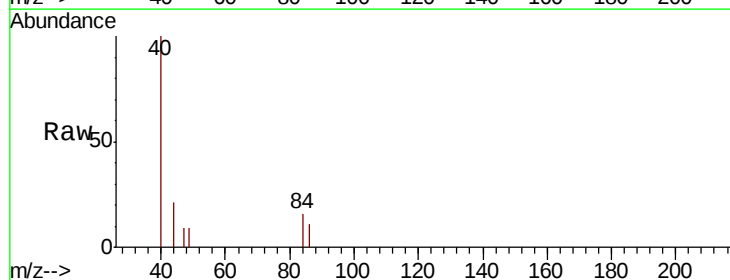
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-01MS

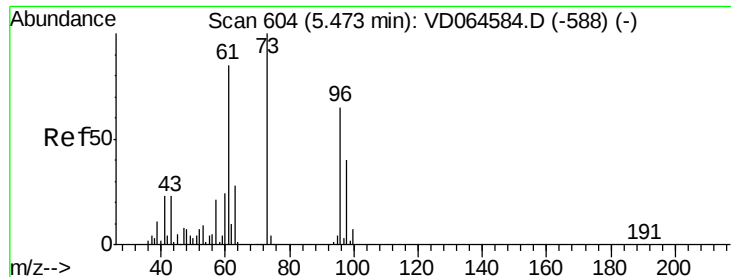
Tot Ion: 73 Resp: 1738
Ion Ratio Lower Upper
73 100
57 0.0 18.6 27.8#



#20
Methylene Chloride
Concen: 12.251 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

Tgt Ion: 84 Resp: 869
Ion Ratio Lower Upper
84 100
49 57.4 97.2 145.8#
51 0.0 31.4 47.0#
86 65.3 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 10.600 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF001-01MS

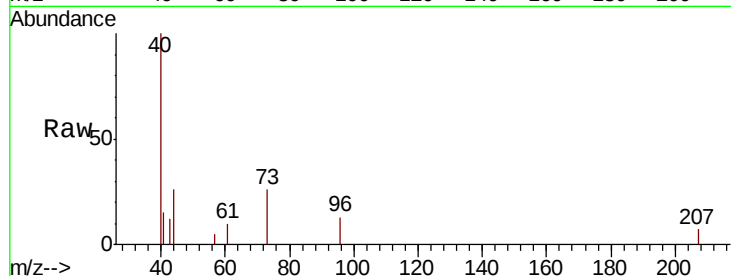
Tot Ion: 96 Resp: 642

Ion Ratio Lower Upper

96 100

61 76.9 104.7 157.1#

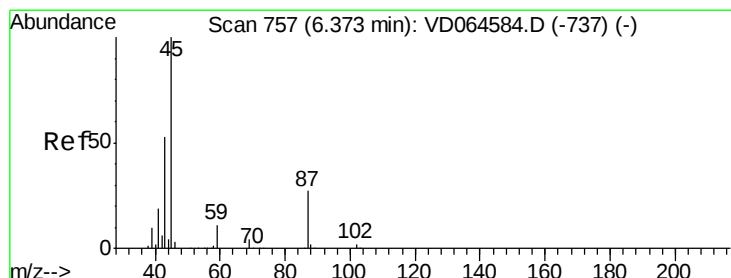
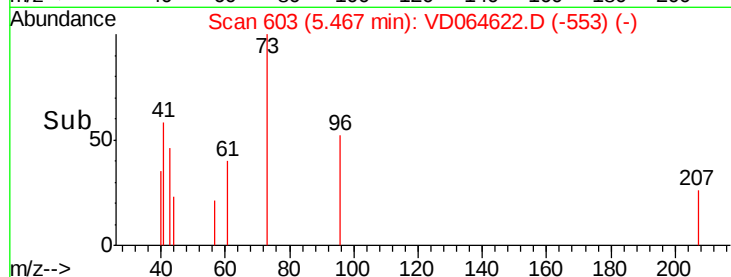
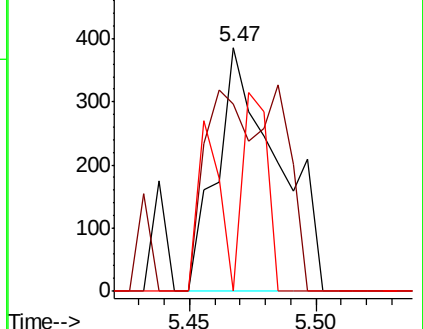
98 0.0 49.4 74.2#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 19.252 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.02 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Tgt Ion: 45 Resp: 3184

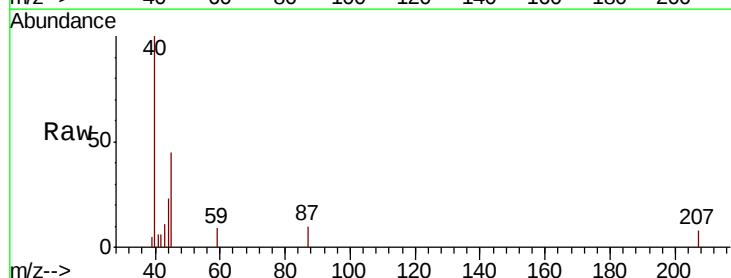
Ion Ratio Lower Upper

45 100

43 24.3 43.2 64.8#

87 21.5 21.9 32.9#

59 19.6 9.0 13.4#

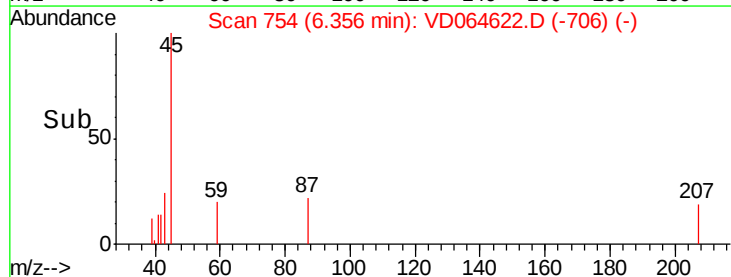
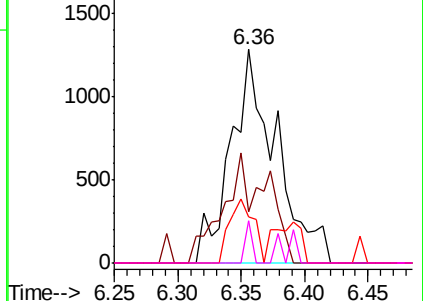


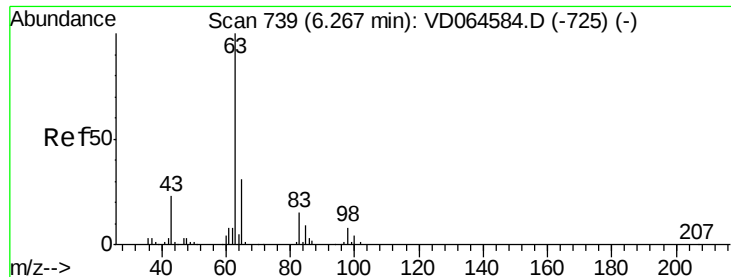
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#24

1,1-Dichloroethane

Concen: 10.334 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF001-01MS

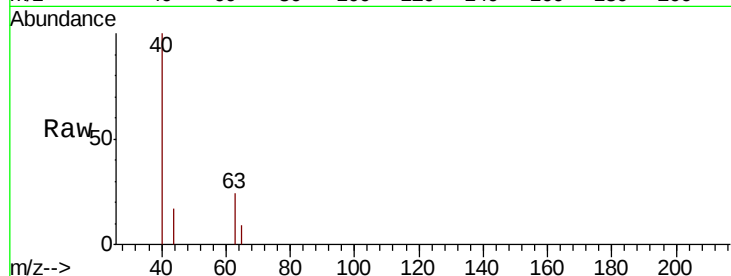
Tot Ion: 63 Resp: 1026

Ion Ratio Lower Upper

63 100

98 0.0 4.1 12.3#

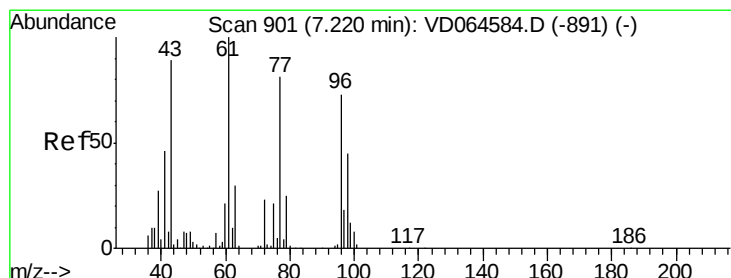
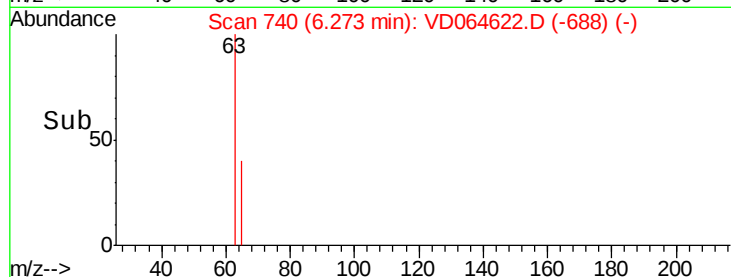
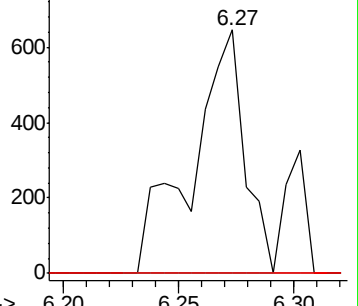
100 0.0 2.2 6.6#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



#25

2-Butanone

Concen: 150.423 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064622.D

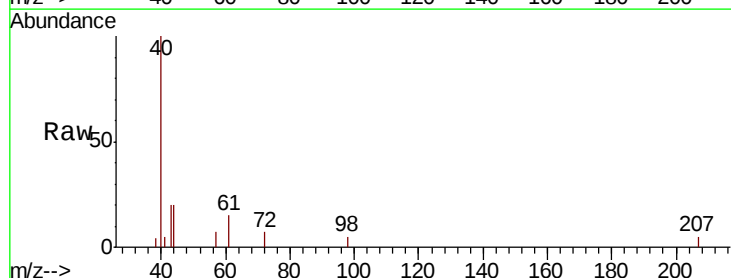
Acq: 27 Dec 2019 03:29

Tgt Ion: 43 Resp: 2204

Ion Ratio Lower Upper

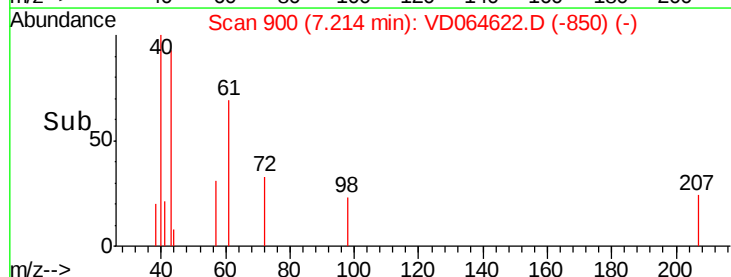
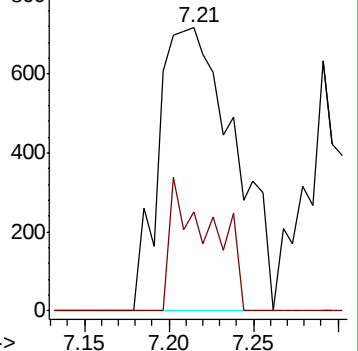
43 100

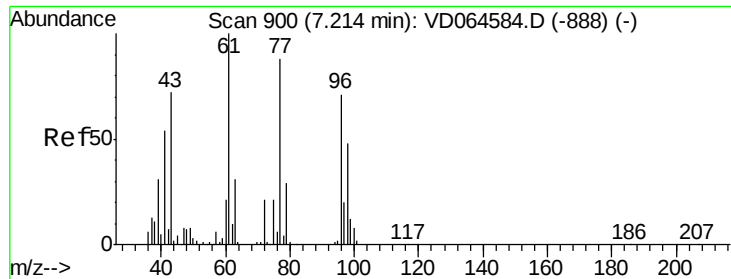
72 35.1 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



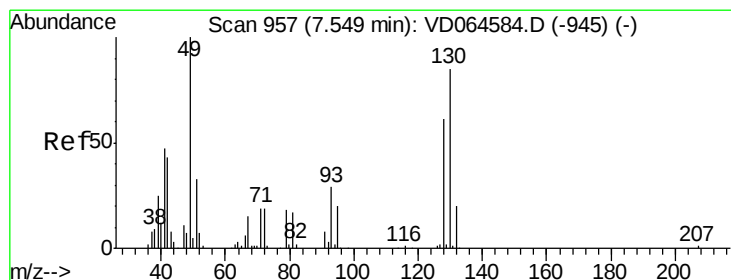
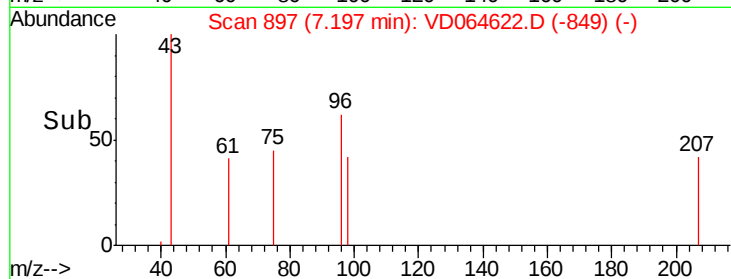
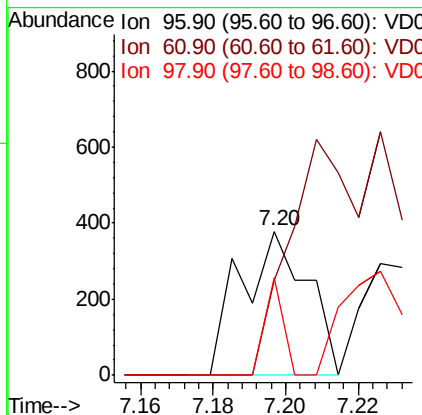
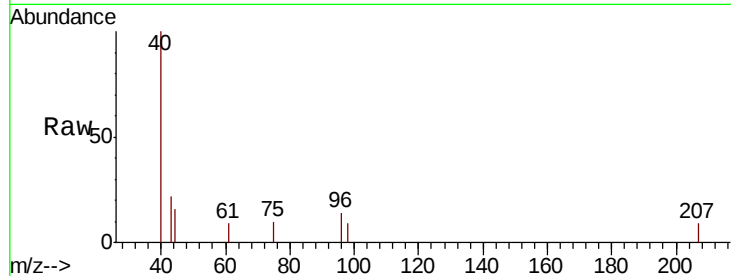


#27

cis-1,2-Dichloroethene
 Concen: 7.420 ug/l
 RT: 7.20 min Scan# 897
 Delta R.T. -0.02 min
 Lab File: VD064622.D
 Acq: 27 Dec 2019 03:29

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF001-01MS

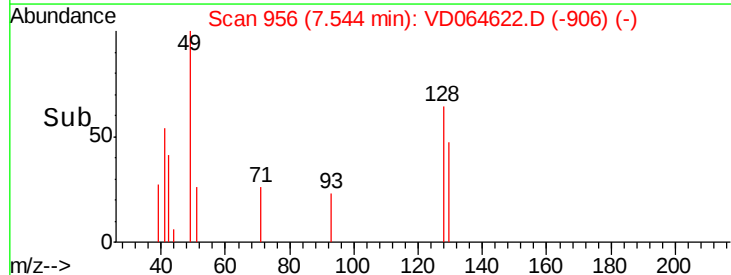
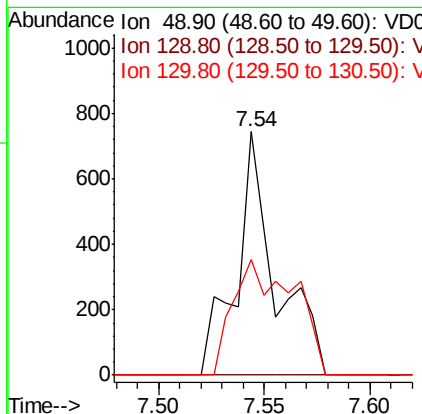
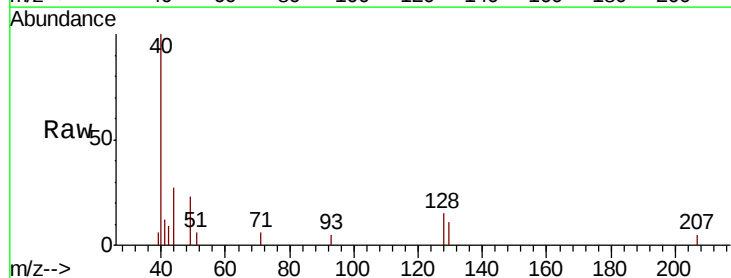
Tot Ion: 96 Resp: 485
 Ion Ratio Lower Upper
 96 100
 61 160.8 0.0 282.6
 98 18.8 0.0 130.8

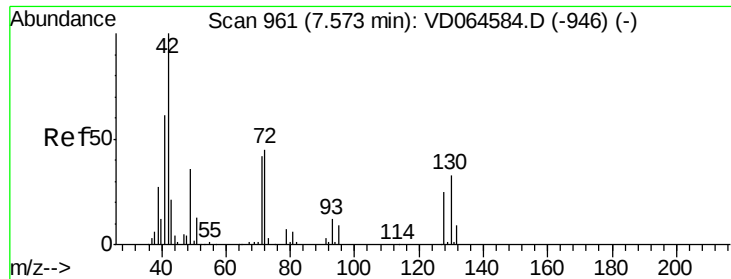


#28

Bromochloromethane
 Concen: 24.795 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064622.D
 Acq: 27 Dec 2019 03:29

Tgt Ion: 49 Resp: 957
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.8
 130 74.3 65.0 97.6

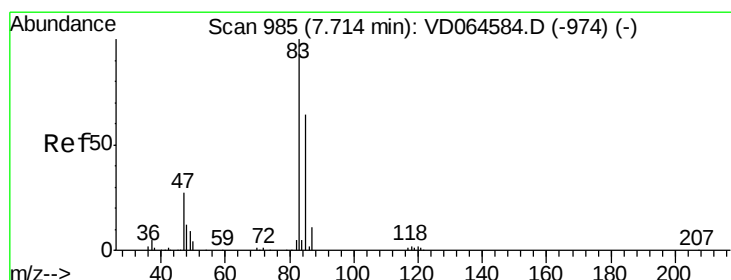
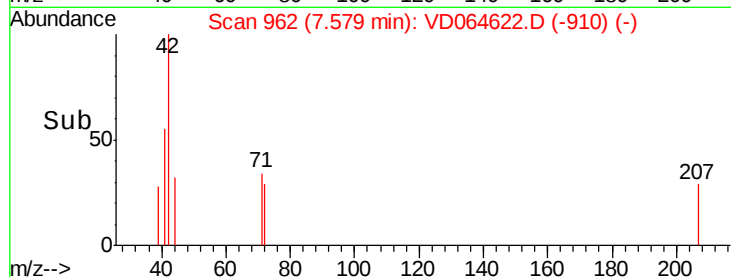
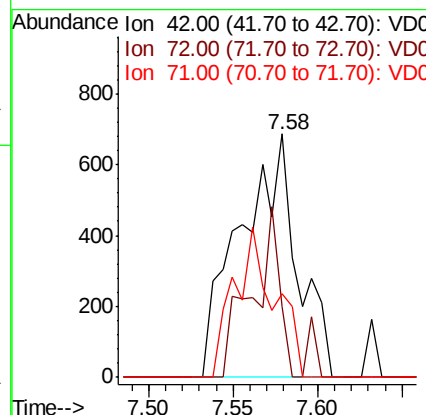
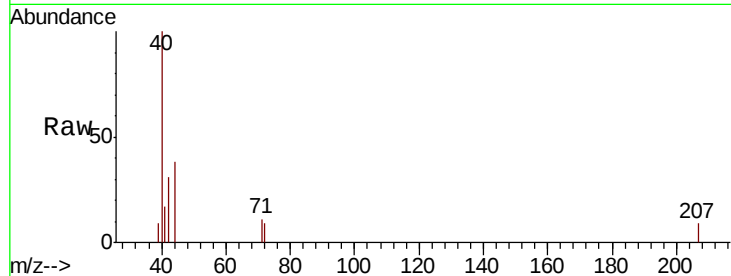




#29
Tetrahydrofuran
Concen: 177.793 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

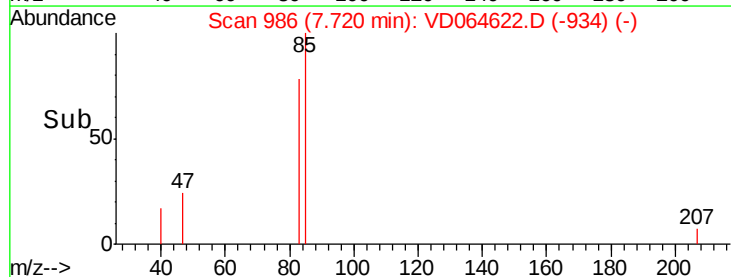
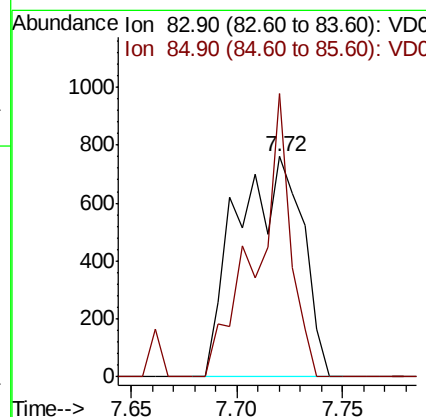
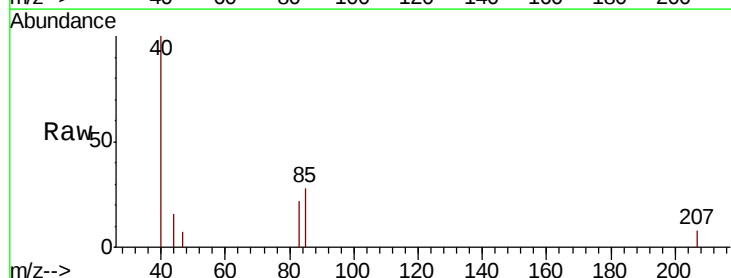
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-01MS

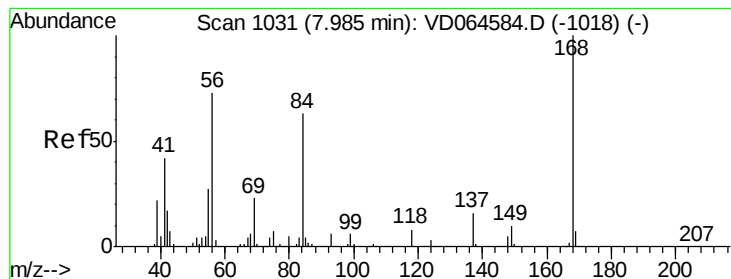
Tot Ion: 42 Resp: 1620
Ion Ratio Lower Upper
42 100
72 33.7 35.0 52.4#
71 43.5 32.9 49.3



#30
Chloroform
Concen: 15.820 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

Tgt Ion: 83 Resp: 1648
Ion Ratio Lower Upper
83 100
85 128.6 51.1 76.7#





#31

Cyclohexane

Concen: 8.341 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF001-01MS

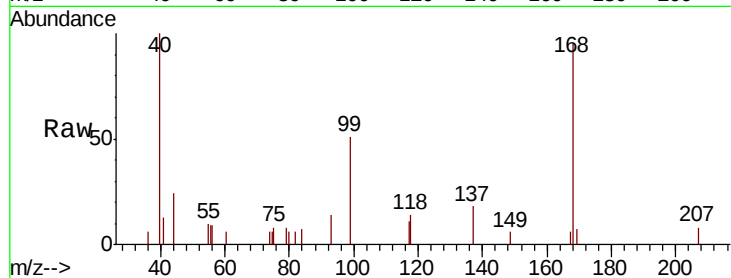
Tot Ion: 56 Resp: 829

Ion Ratio Lower Upper

56 100

69 0.0 24.7 37.1#

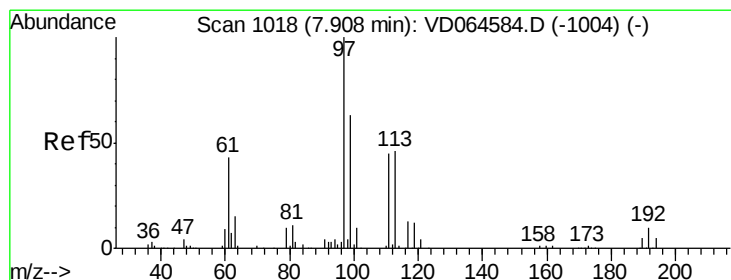
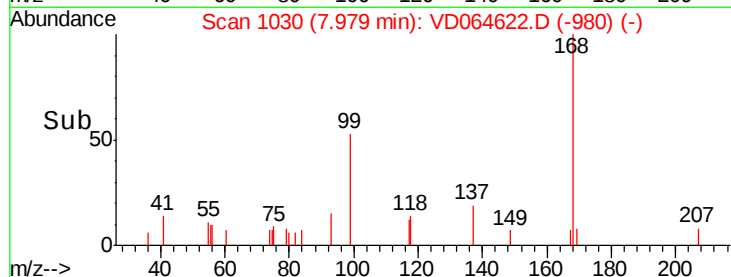
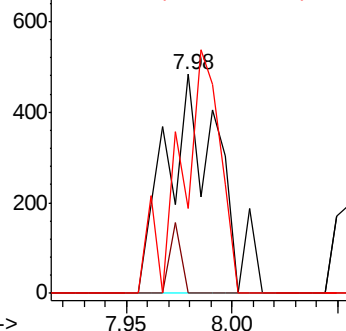
84 38.9 69.4 104.2#



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



#32

1,1,1-Trichloroethane

Concen: 7.410 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

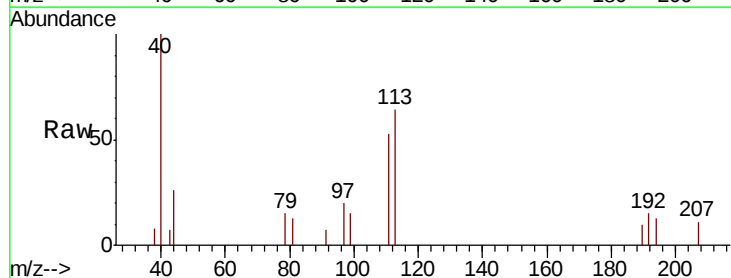
Tgt Ion: 97 Resp: 725

Ion Ratio Lower Upper

97 100

99 17.2 51.0 76.6#

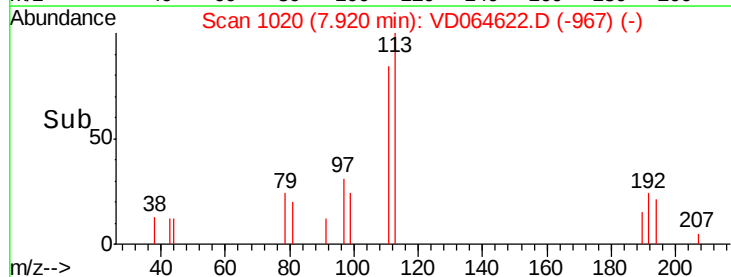
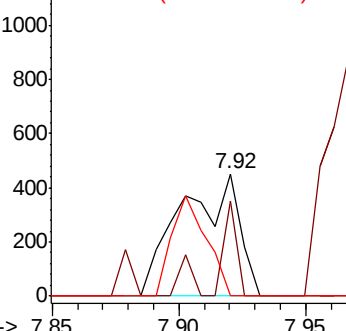
61 48.1 35.4 53.0

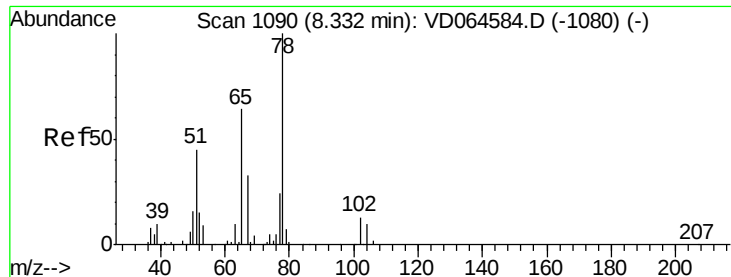


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 73.784 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

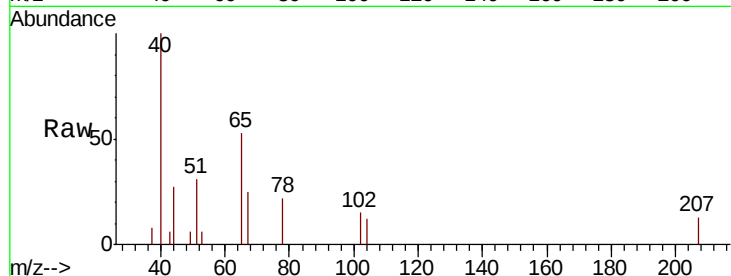
LIED-BF001-01MS

Tot Ion: 65 Resp: 3933

Ion Ratio Lower Upper

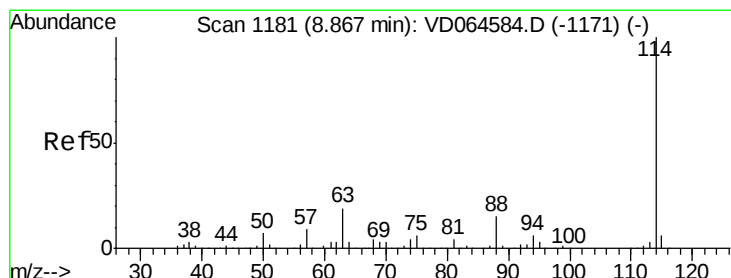
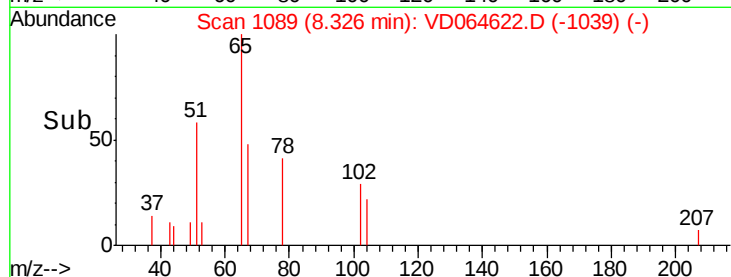
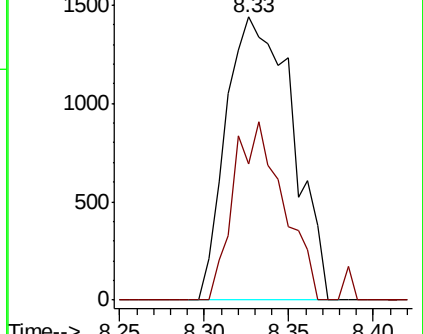
65 100

67 47.1 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: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

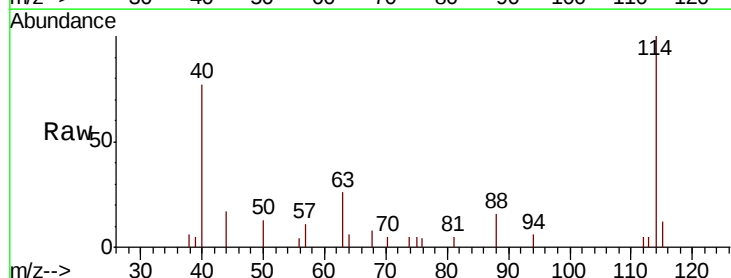
Tgt Ion: 114 Resp: 8355

Ion Ratio Lower Upper

114 100

63 25.9 0.0 38.0

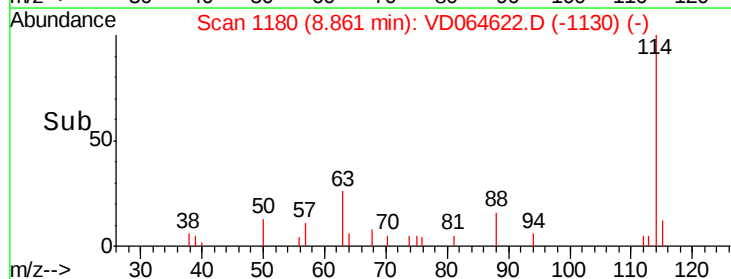
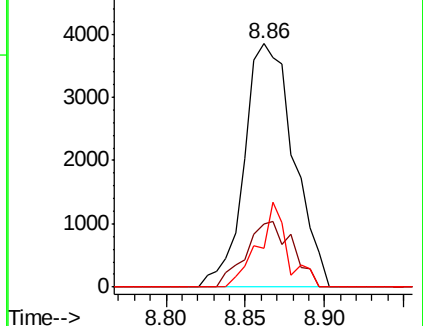
88 15.9 0.0 29.2

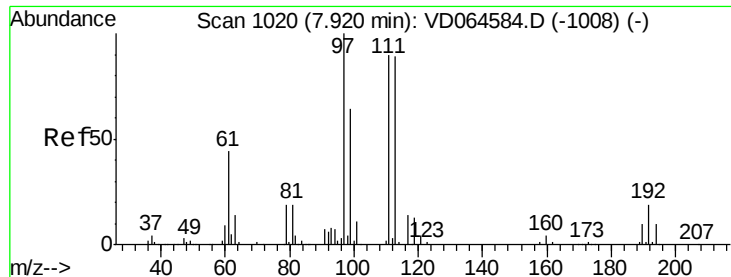


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

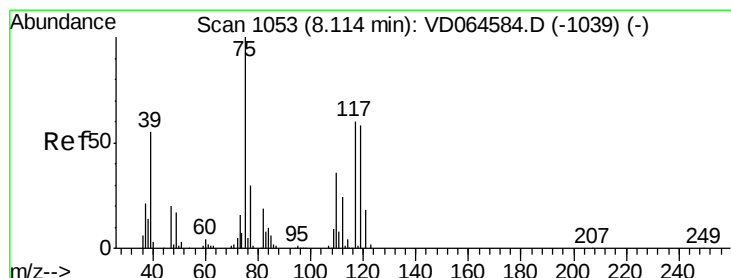
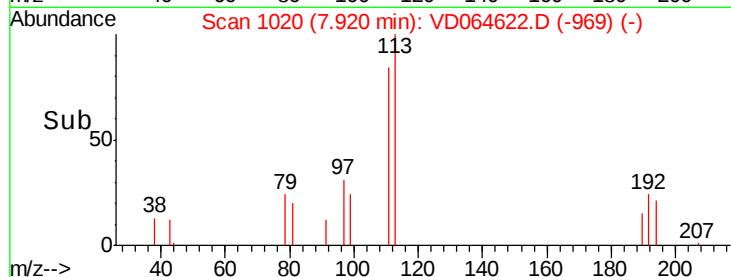
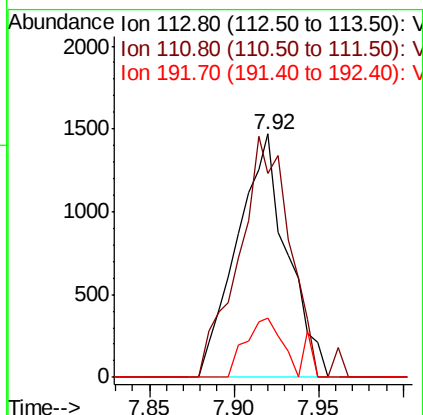
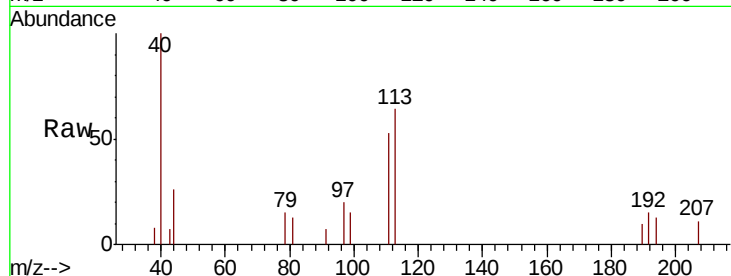




#35
 Dibromofluoromethane
 Concen: 59.384 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064622.D
 Acq: 27 Dec 2019 03:29

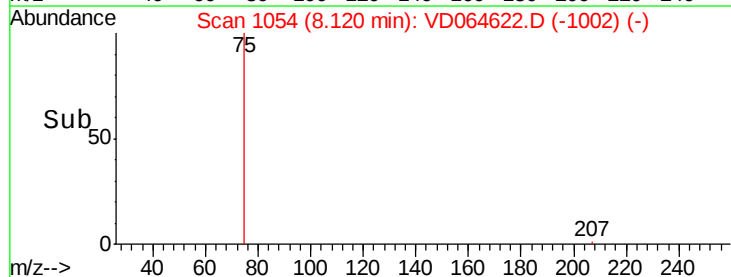
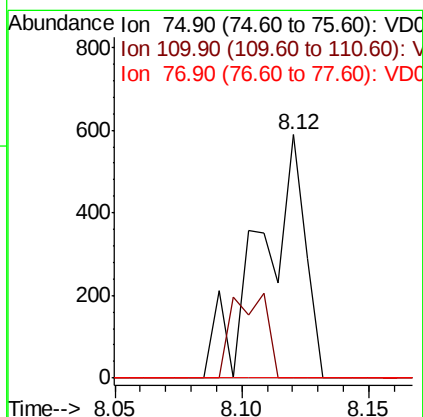
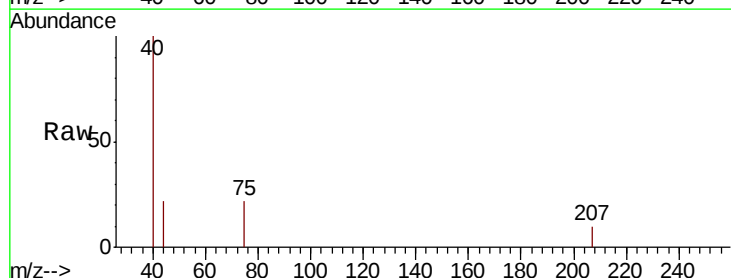
Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF001-01MS

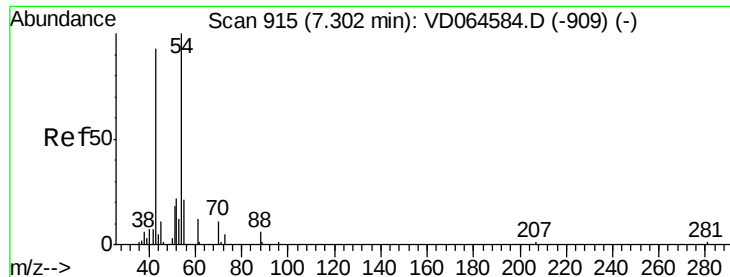
Tot Ion:113 Resp: 3044
 Ion Ratio Lower Upper
 113 100
 111 99.5 80.6 121.0
 192 17.5 17.9 26.9#



#36
 1,1-Dichloropropene
 Concen: 8.904 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD064622.D
 Acq: 27 Dec 2019 03:29

Tgt Ion: 75 Resp: 716
 Ion Ratio Lower Upper
 75 100
 110 27.2 18.1 54.1
 77 0.0 24.2 36.4#

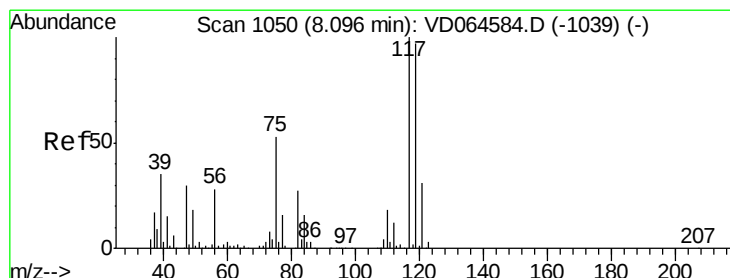
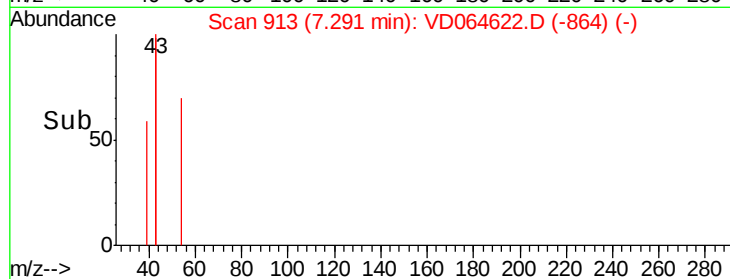
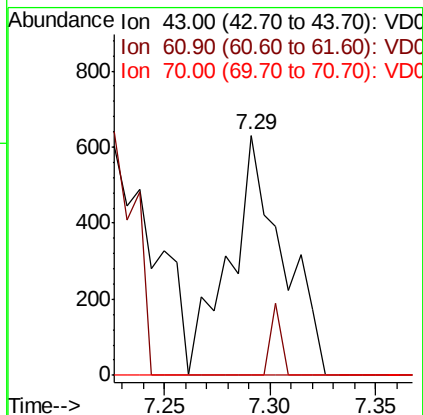
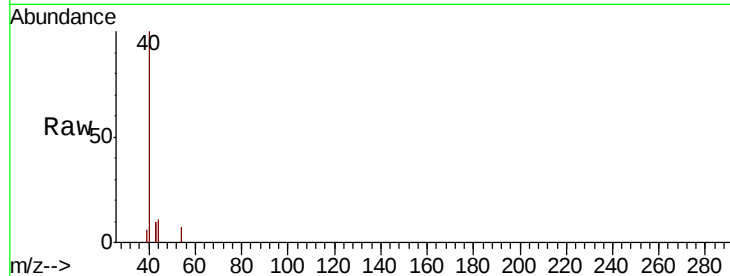




#37
Ethyl Acetate
Concen: 34.819 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

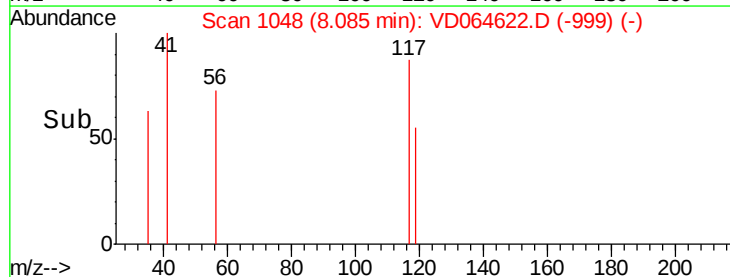
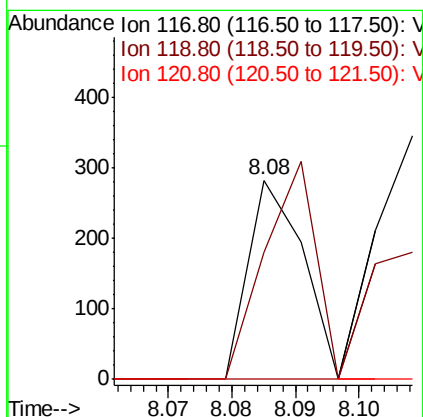
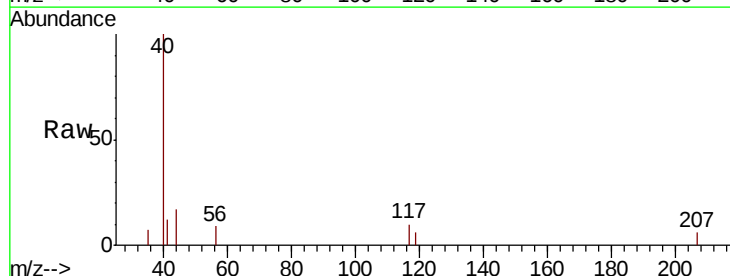
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-01MS

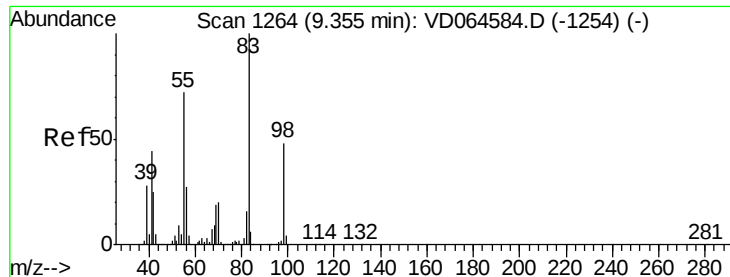
Tot Ion: 43 Resp: 1100
Ion Ratio Lower Upper
43 100
61 6.1 10.3 15.5#
70 0.0 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 1.959 ug/l
RT: 8.08 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

Tgt Ion: 117 Resp: 168
Ion Ratio Lower Upper
117 100
119 63.5 77.3 115.9#
121 0.0 25.0 37.6#

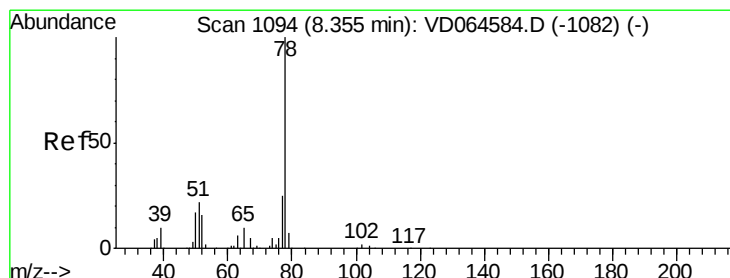
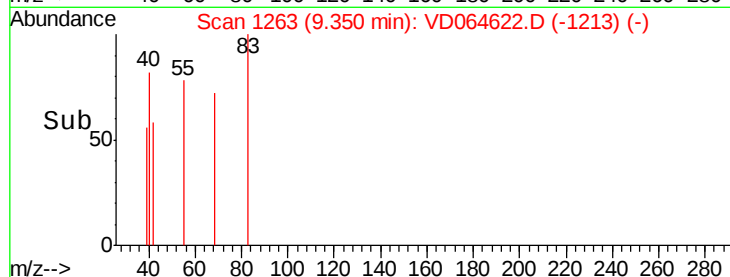
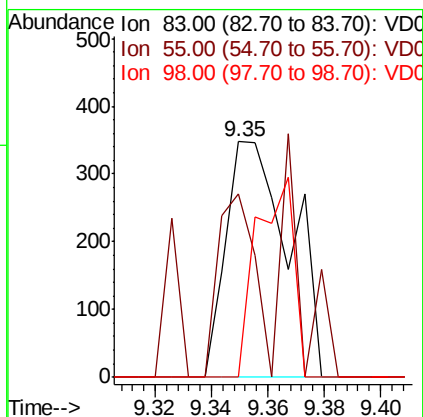
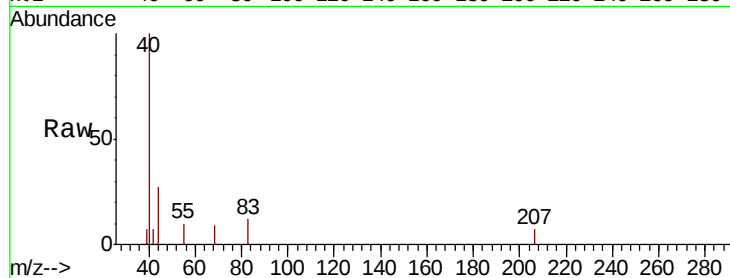




#39
Methylvlcvclohexane
Concen: 5.596 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

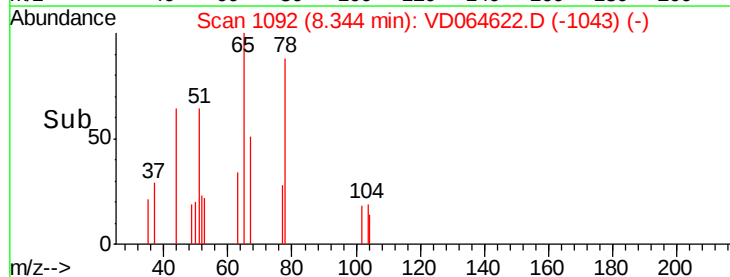
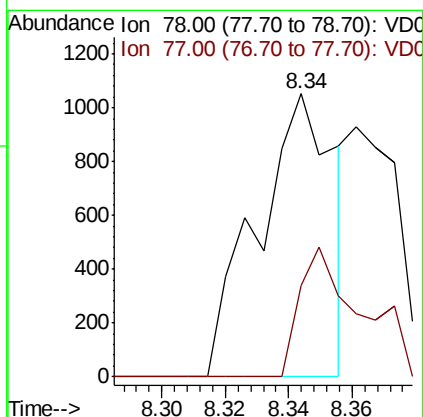
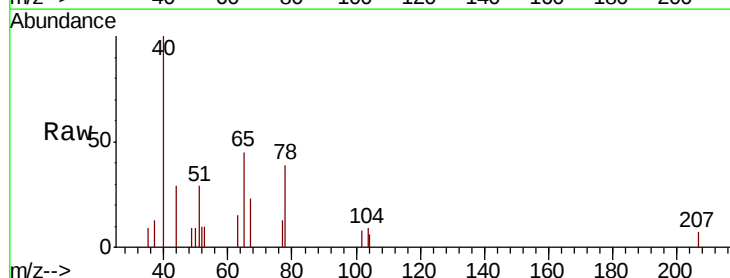
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-01MS

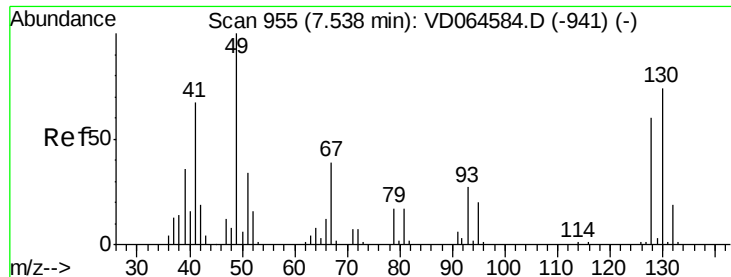
Tot Ion: 83 Resp: 545
Ion Ratio Lower Upper
83 100
55 77.6 57.8 86.6
98 0.0 38.7 58.1#



#40
Benzene
Concen: 8.063 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

Tgt Ion: 78 Resp: 1770
Ion Ratio Lower Upper
78 100
77 32.2 19.9 29.9#





#41

Methacrylonitrile

Concen: 65.686 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.02 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF001-01MS

Tot Ion: 41 Resp: 1204

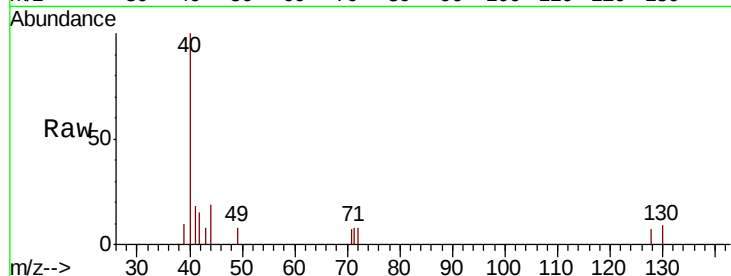
Ion Ratio Lower Upper

41 100

39 0.0 46.7 70.1#

67 0.0 52.5 78.7#

52 0.0 24.1 36.1#

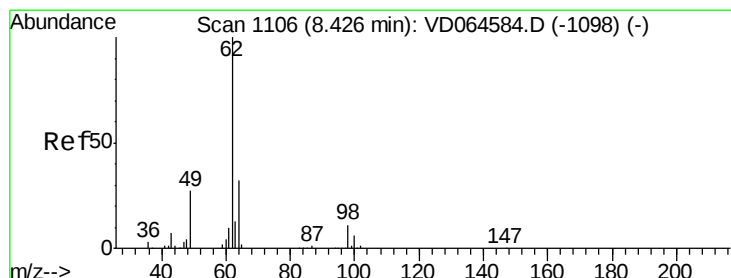
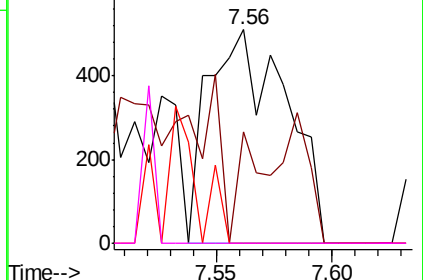
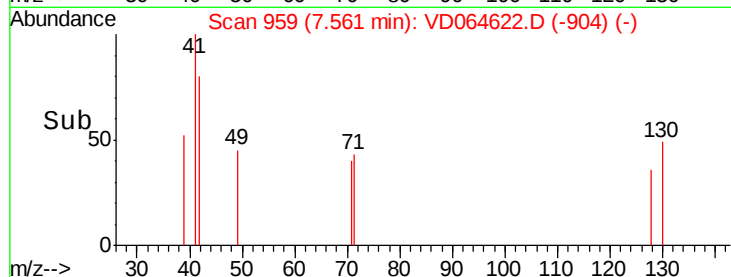


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.472 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064622.D

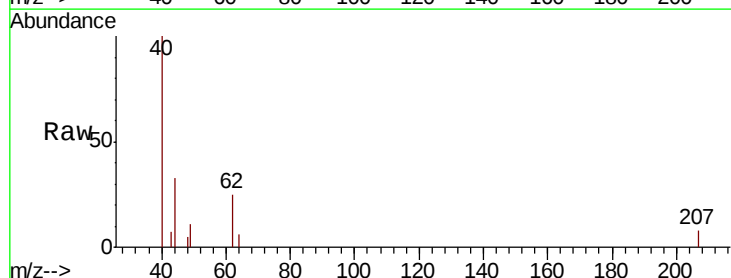
Acq: 27 Dec 2019 03:29

Tgt Ion: 62 Resp: 1489

Ion Ratio Lower Upper

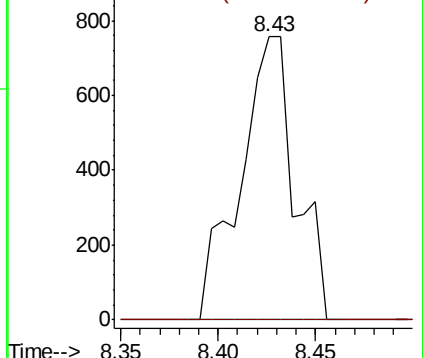
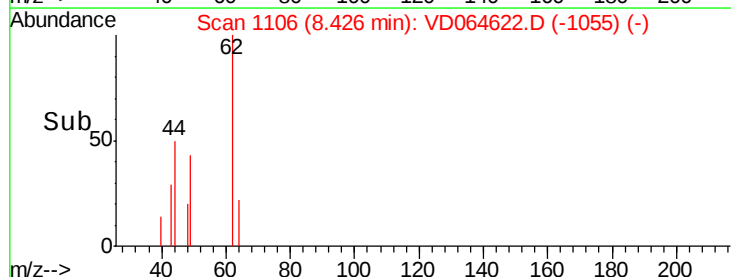
62 100

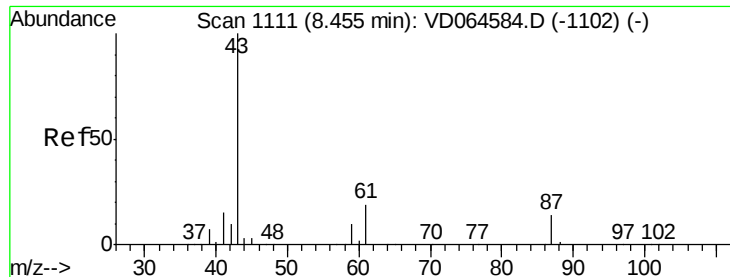
98 0.0 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 12.484 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF001-01MS

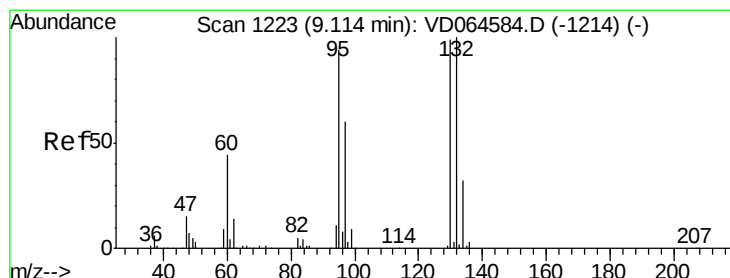
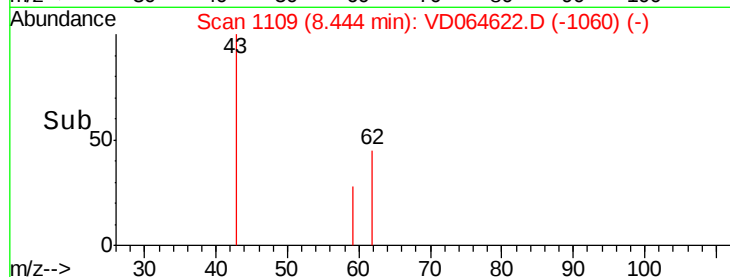
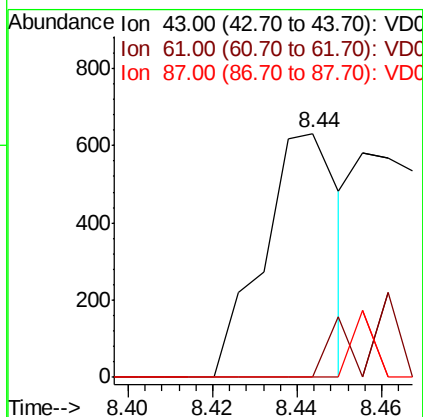
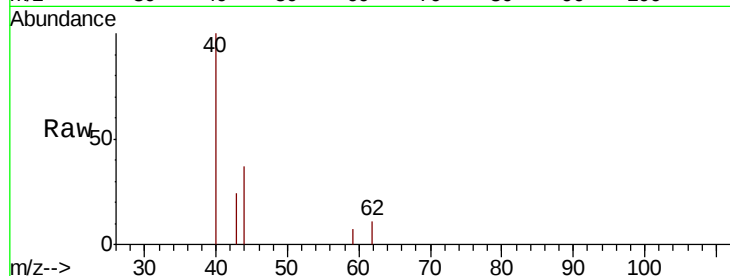
Tot Ion: 43 Resp: 785

Ion Ratio Lower Upper

43 100

61 7.1 23.7 35.5#

87 7.9 10.5 15.7#



#44

Trichloroethene

Concen: 16.421 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064622.D

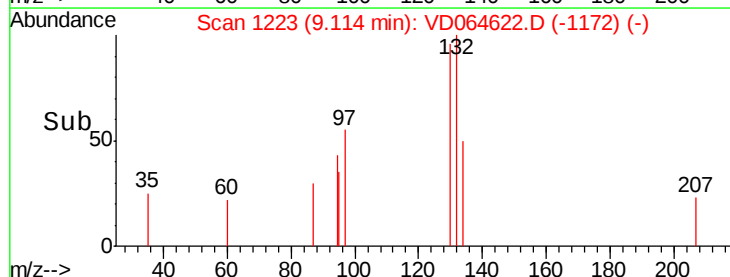
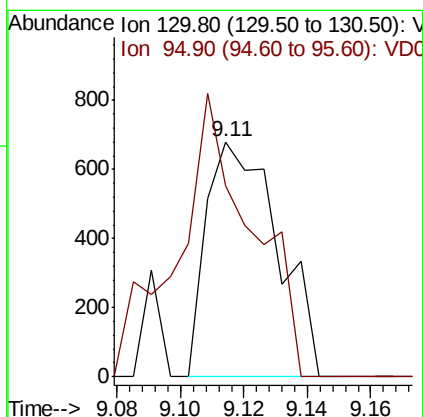
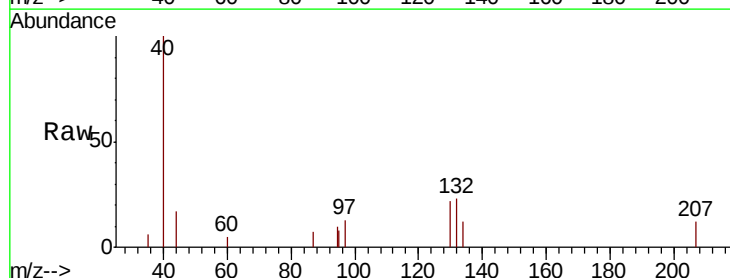
Acq: 27 Dec 2019 03:29

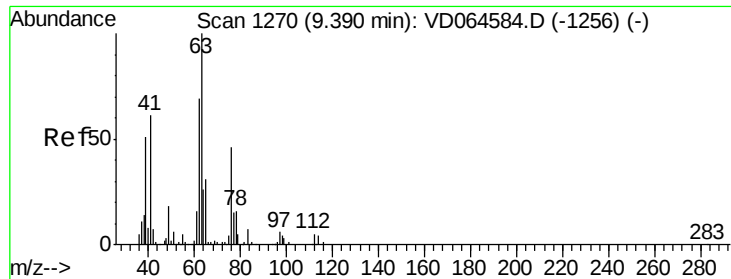
Tgt Ion:130 Resp: 1059

Ion Ratio Lower Upper

130 100

95 81.6 0.0 190.2

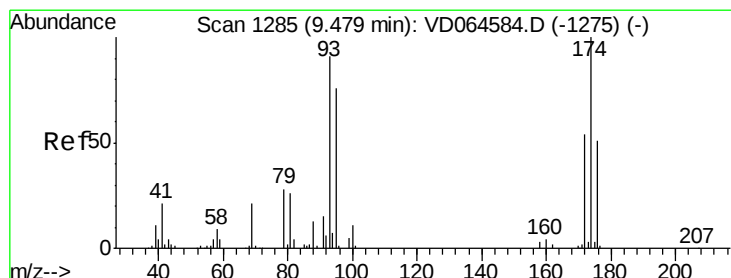
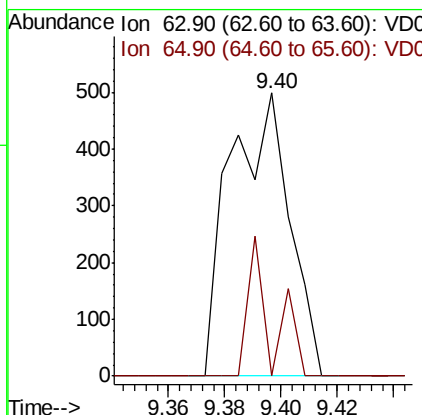
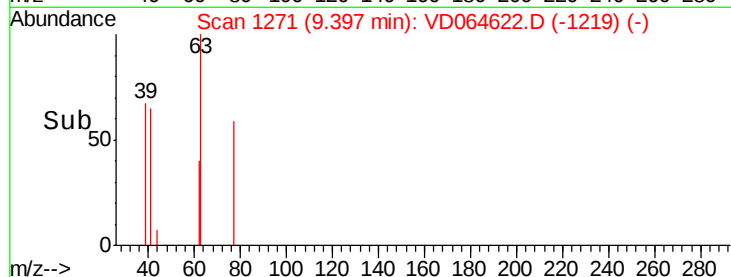
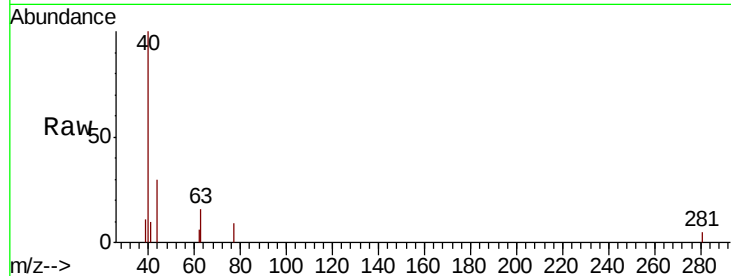




#45
 1,2-Dichloropropane
 Concen: 13.908 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD064622.D
 Acq: 27 Dec 2019 03:29

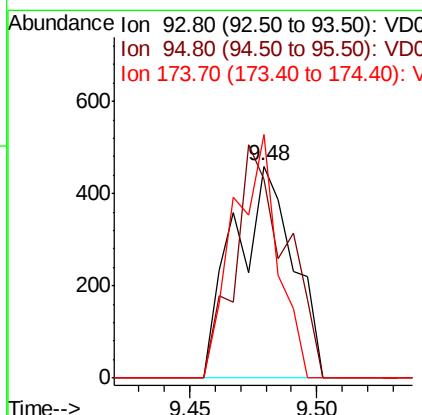
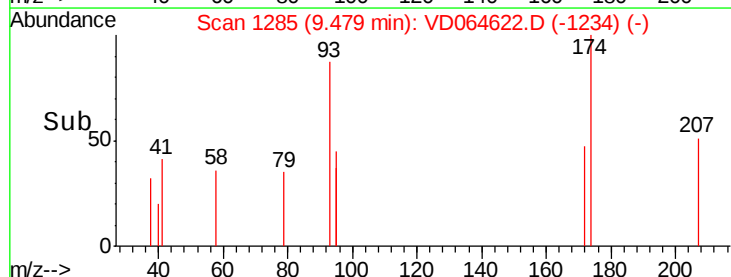
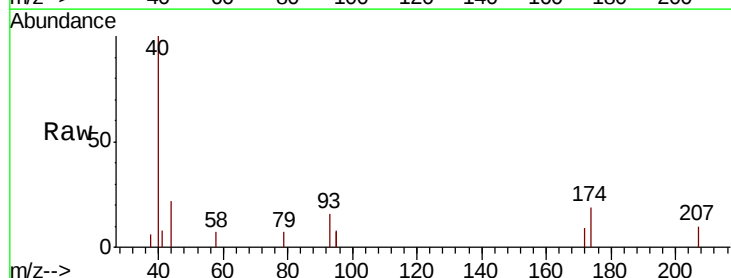
Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF001-01MS

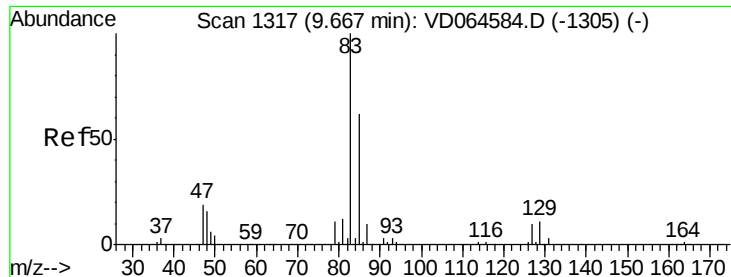
Tot Ion: 63 Resp: 729
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.2 37.8#



#46
 Dibromomethane
 Concen: 25.562 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064622.D
 Acq: 27 Dec 2019 03:29

Tgt Ion: 93 Resp: 747
 Ion Ratio Lower Upper
 93 100
 95 95.7 64.6 97.0
 174 85.4 88.1 132.1#





#47

Bromodichloromethane

Concen: 18.544 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF001-01MS

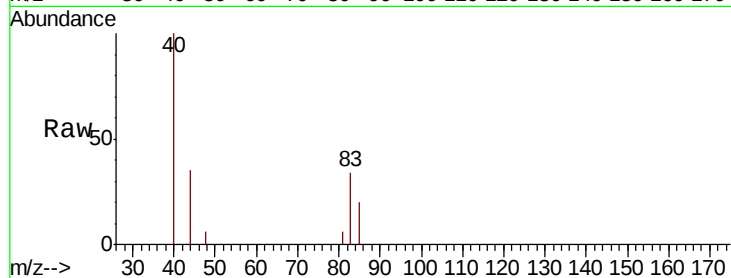
Tot Ion: 83 Resp: 1442

Ion Ratio Lower Upper

83 100

85 58.1 49.5 74.3

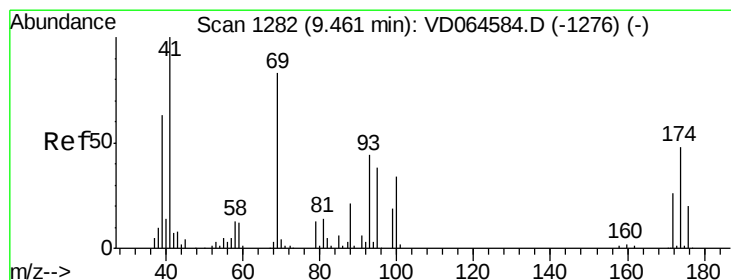
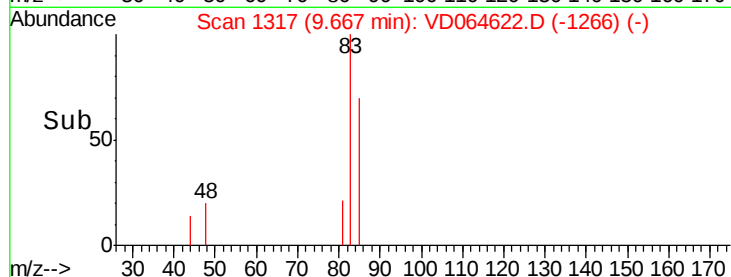
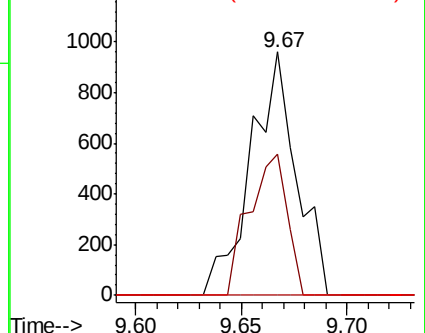
127 0.0 7.8 11.6#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 35.937 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

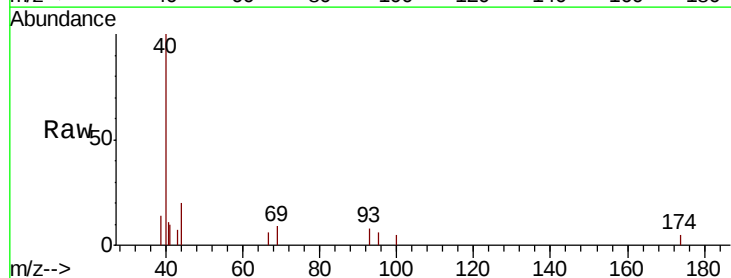
Tgt Ion: 41 Resp: 1064

Ion Ratio Lower Upper

41 100

69 42.0 63.0 94.6#

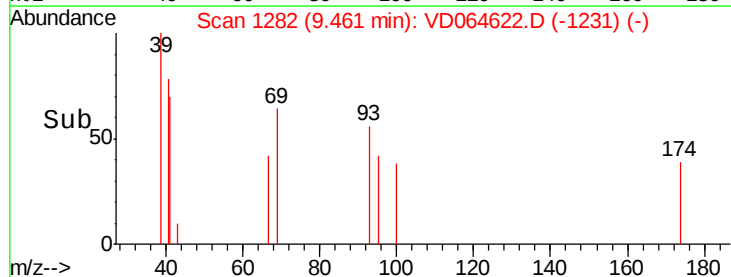
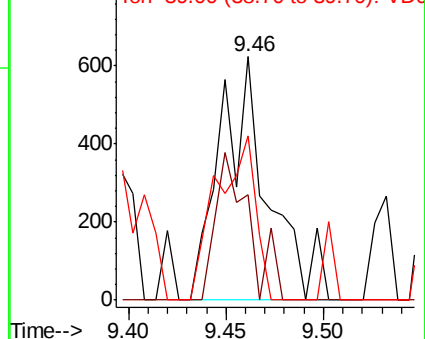
39 54.8 47.4 71.2

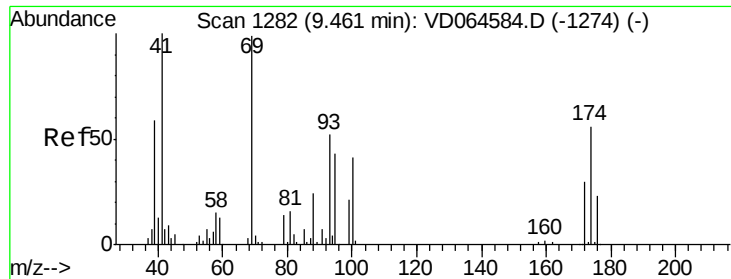


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 225.543 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF001-01MS

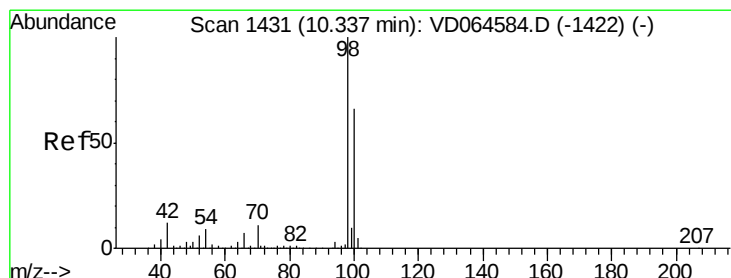
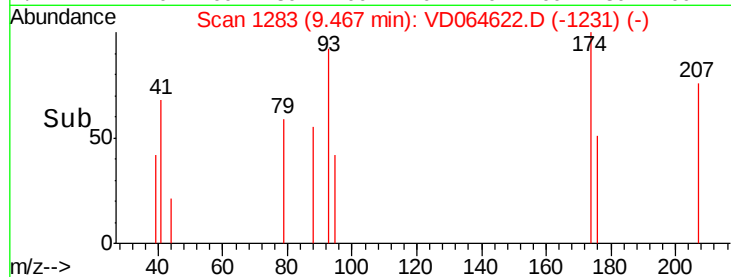
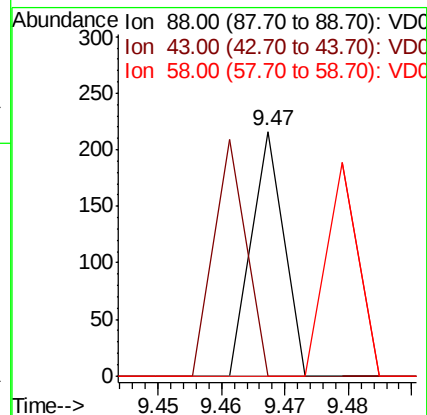
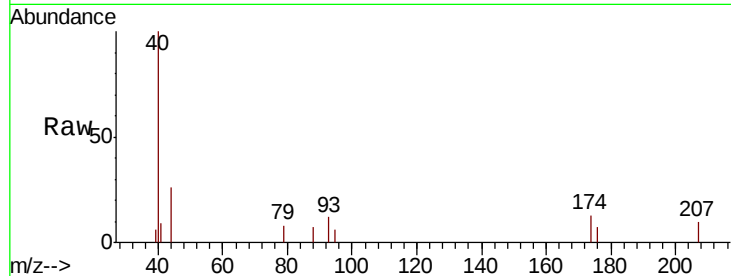
Tot Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

43 97.4 27.7 41.5#

58 88.2 53.8 80.6#



#50

Toluene-d8

Concen: 54.198 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064622.D

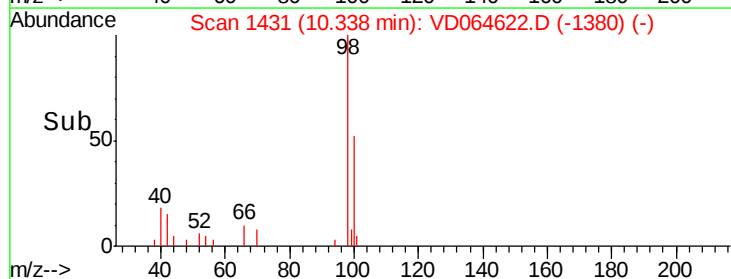
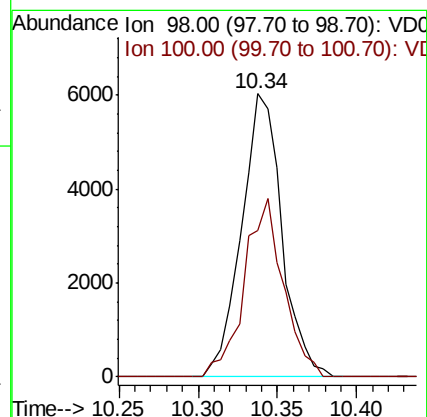
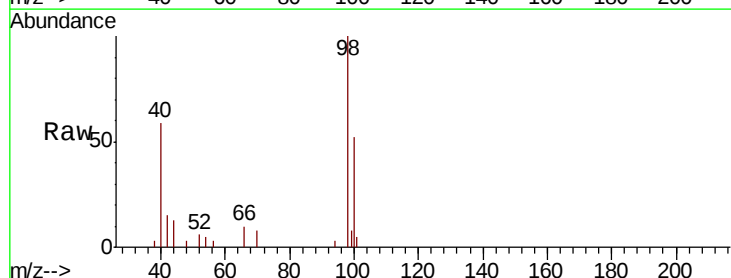
Acq: 27 Dec 2019 03:29

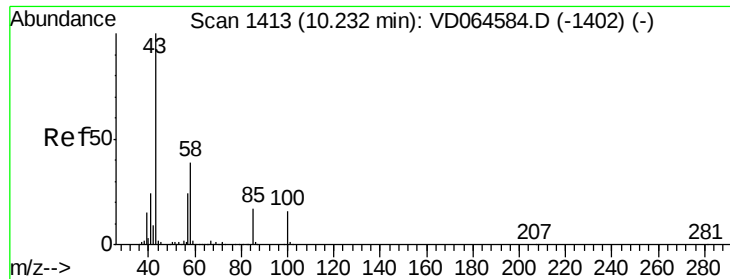
Tgt Ion: 98 Resp: 10640

Ion Ratio Lower Upper

98 100

100 61.3 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 145.235 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

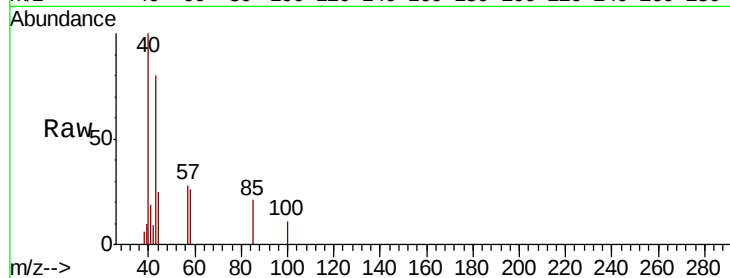
LIED-BF001-01MS

Tot Ion: 43 Resp: 4514

Ion Ratio Lower Upper

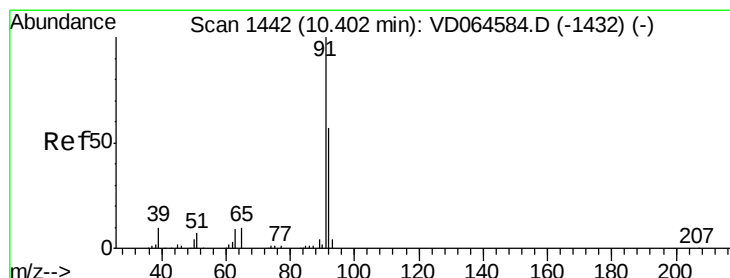
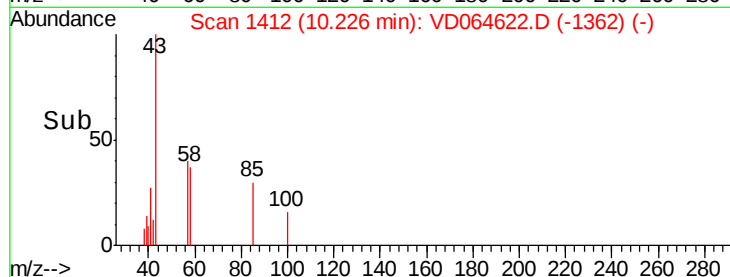
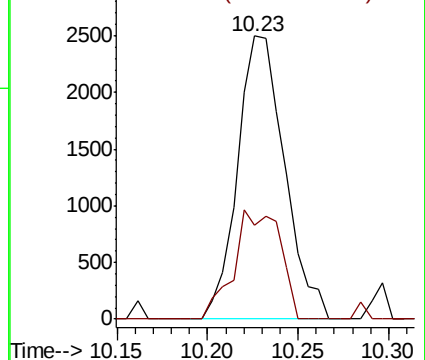
43 100

58 37.7 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 11.748 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064622.D

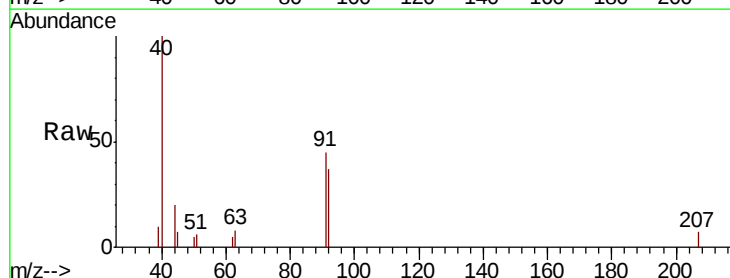
Acq: 27 Dec 2019 03:29

Tgt Ion: 92 Resp: 1692

Ion Ratio Lower Upper

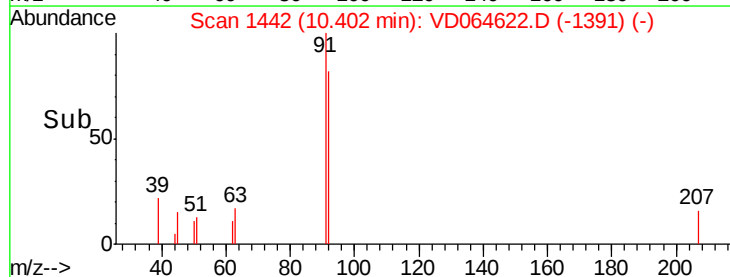
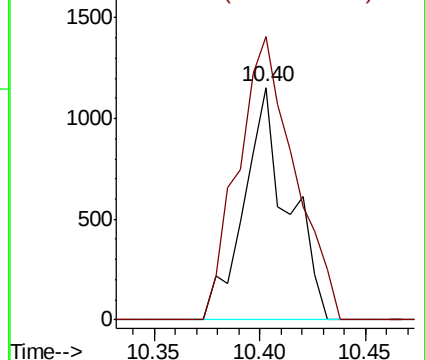
92 100

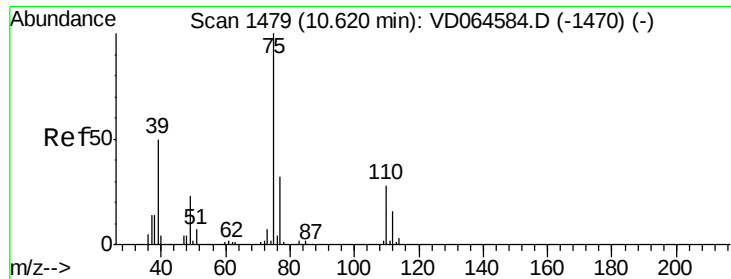
91 154.7 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

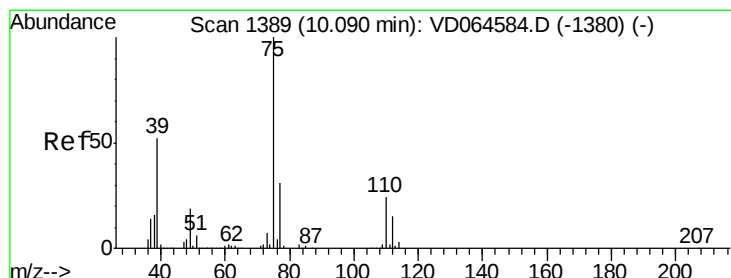
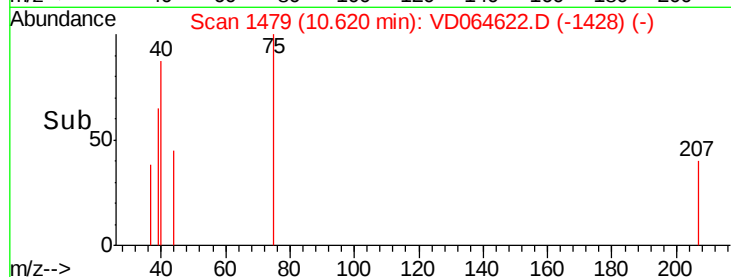
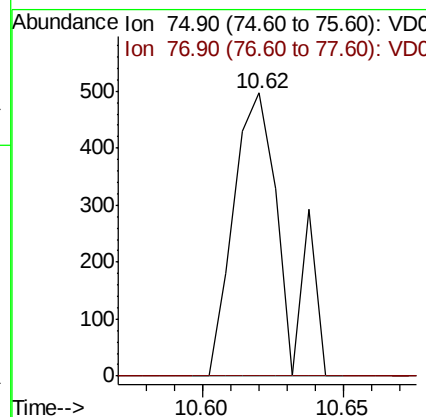
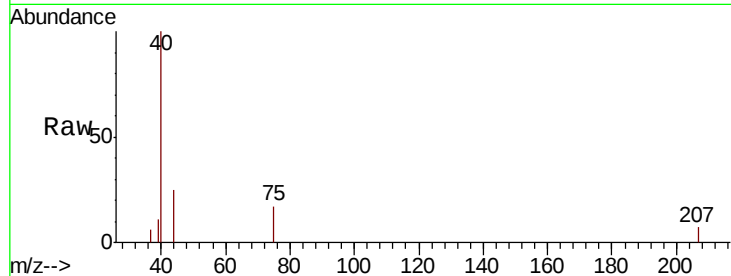




#53
t-1,3-Dichloropropene
Concen: 8.414 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

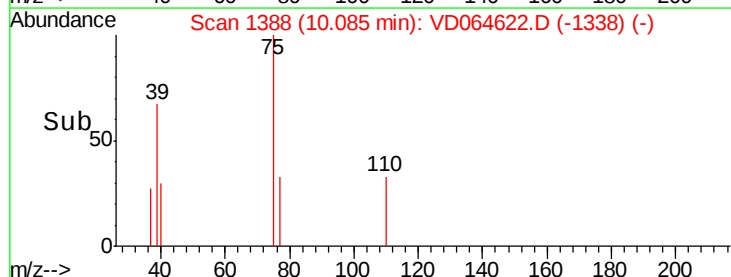
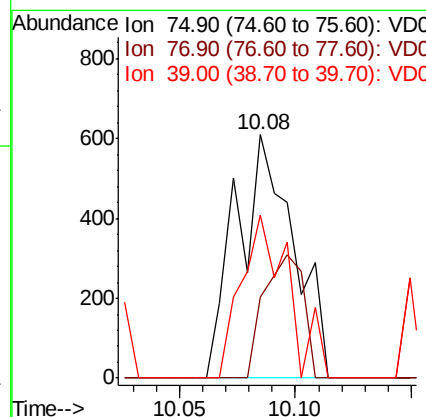
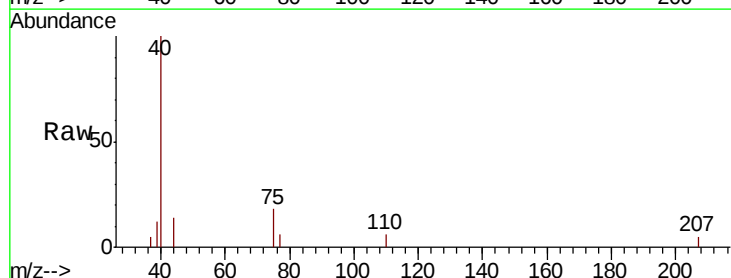
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-01MS

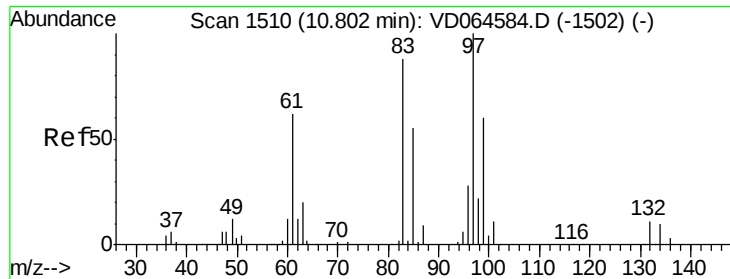
Tot Ion: 75 Resp: 610
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 12.248 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

Tgt Ion: 75 Resp: 1047
Ion Ratio Lower Upper
75 100
77 33.1 24.6 36.8
39 67.2 41.4 62.2#

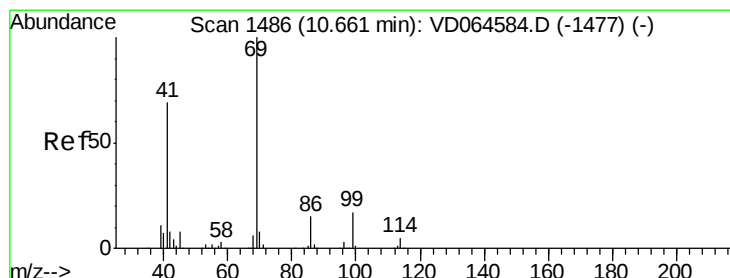
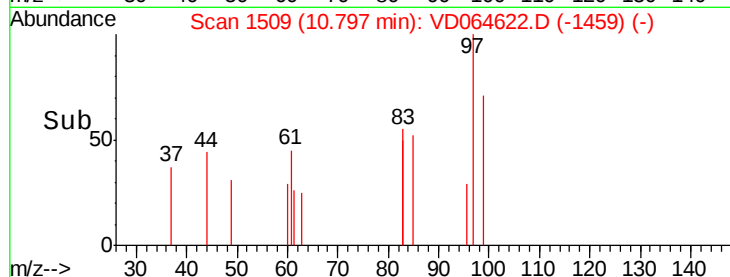
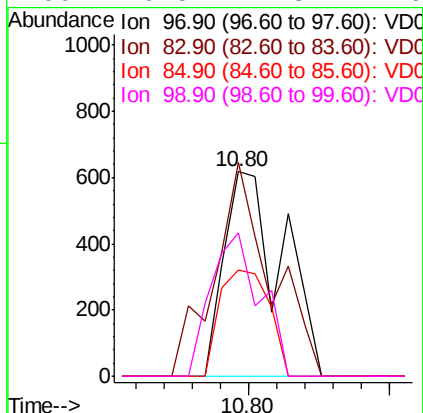
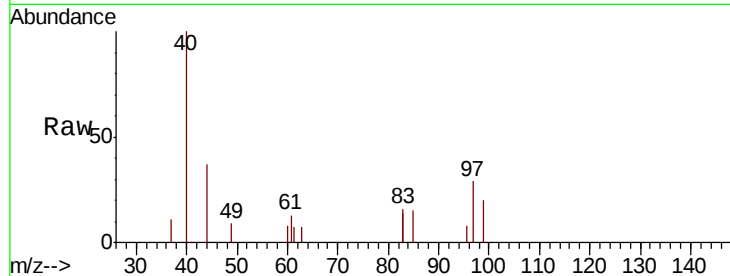




#55
 1,1,2-Trichloroethane
 Concen: 22.344 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD064622.D
 Acq: 27 Dec 2019 03:29

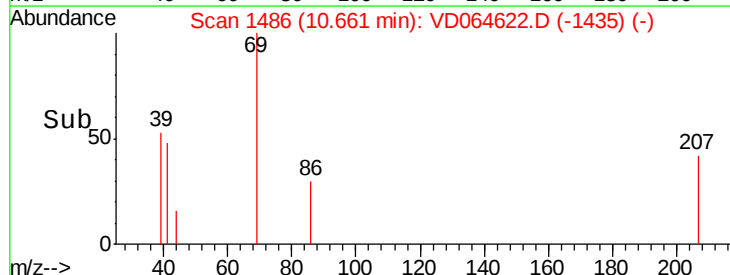
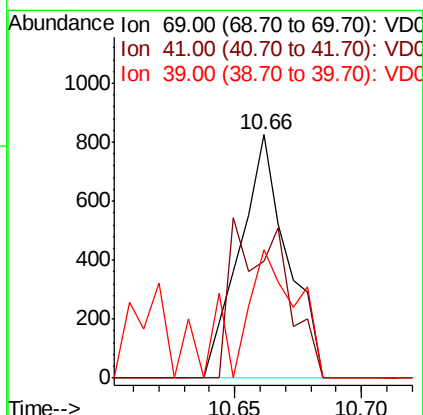
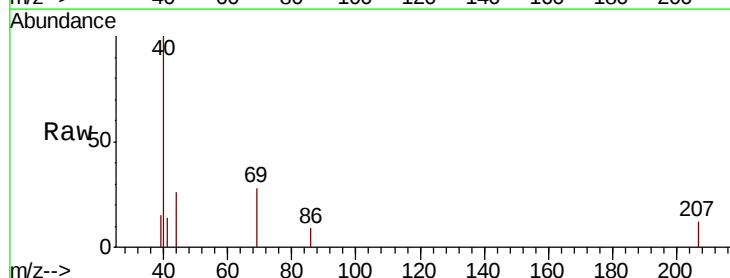
Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF001-01MS

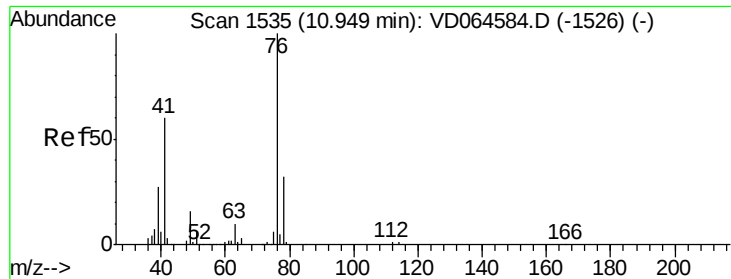
Tot Ion: 97 Resp: 880
 Ion Ratio Lower Upper
 97 100
 83 104.5 70.2 105.4
 85 52.2 44.0 66.0
 99 70.5 47.8 71.6



#56
 Ethyl methacrylate
 Concen: 22.019 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064622.D
 Acq: 27 Dec 2019 03:29

Tgt Ion: 69 Resp: 1083
 Ion Ratio Lower Upper
 69 100
 41 71.0 55.3 82.9
 39 60.1 33.8 50.8#





#57

1,3-Dichloropropane

Concen: 24.259 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

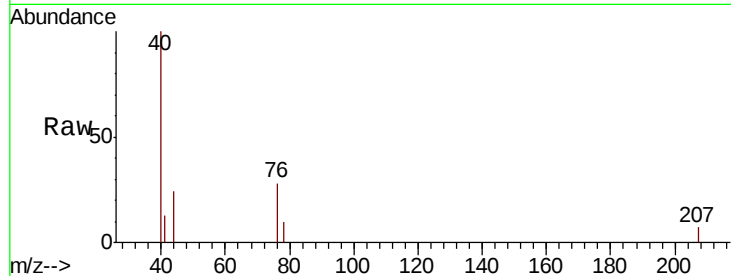
LIED-BF001-01MS

Tot Ion: 76 Resp: 1645

Ion Ratio Lower Upper

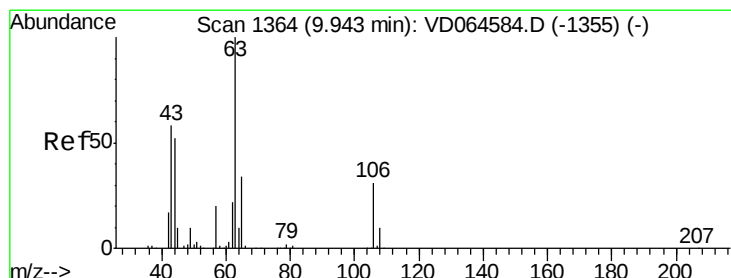
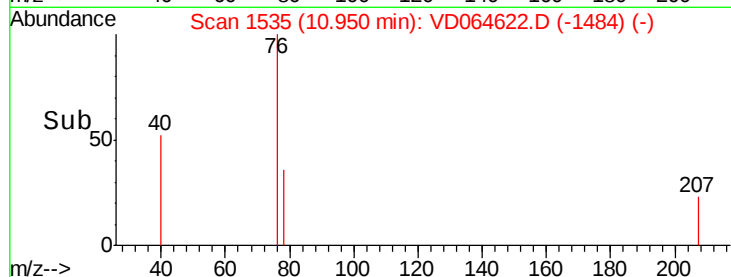
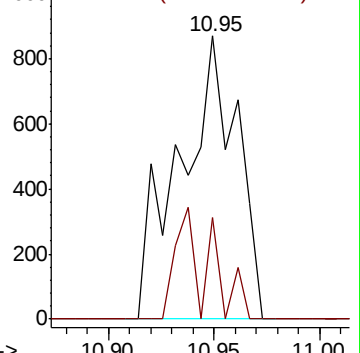
76 100

78 12.2 26.2 39.4#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 13.875 ug/l

RT: 9.93 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VD064622.D

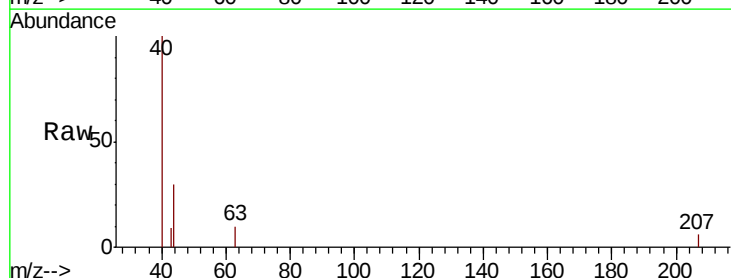
Acq: 27 Dec 2019 03:29

Tgt Ion: 63 Resp: 260

Ion Ratio Lower Upper

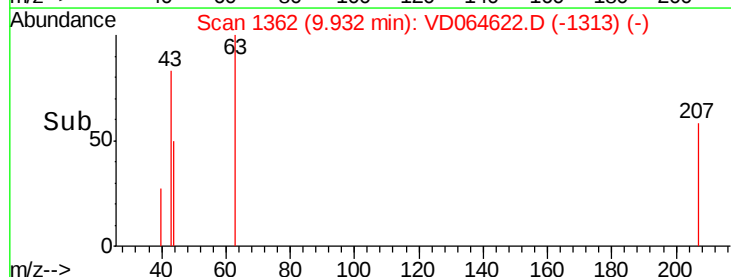
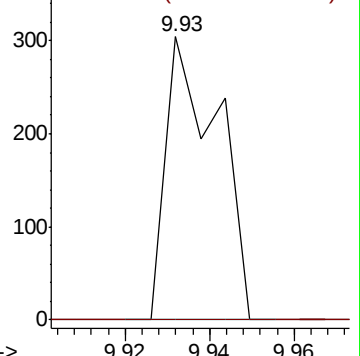
63 100

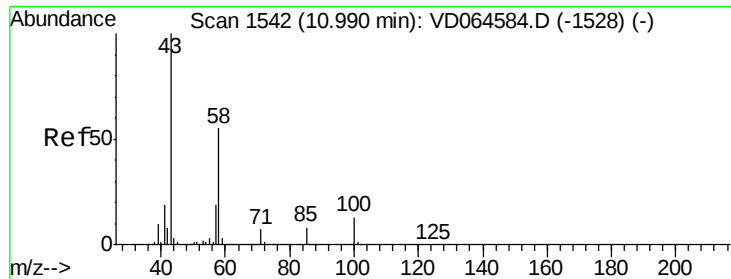
106 0.0 23.8 35.8#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

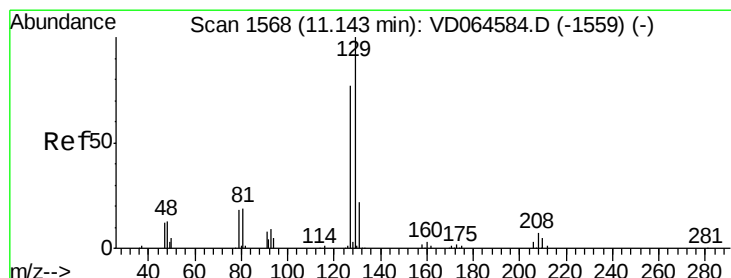
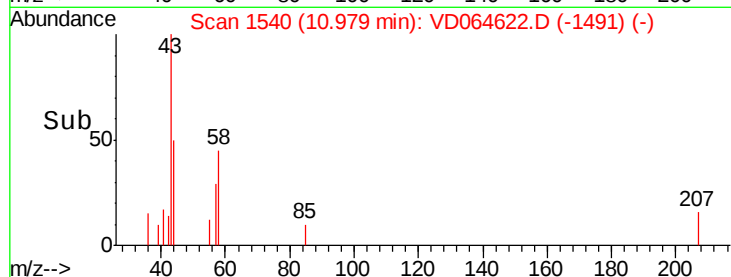
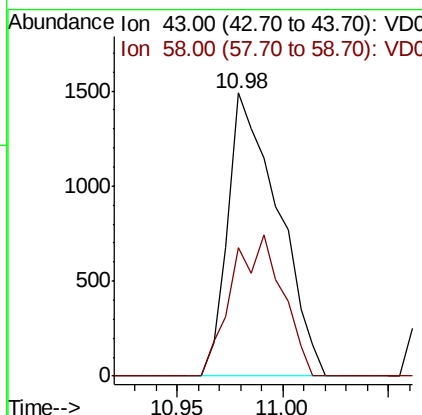
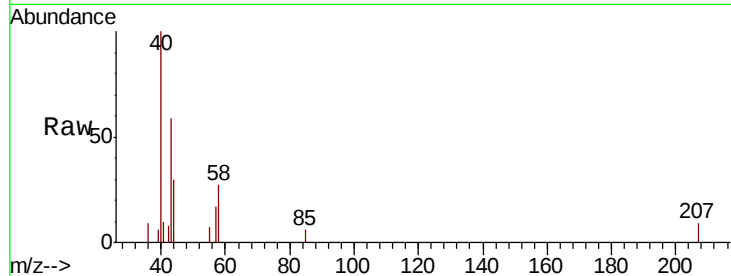




#59
2-Hexanone
Concen: 116.710 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

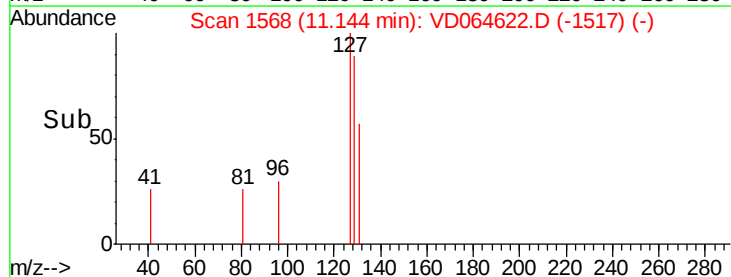
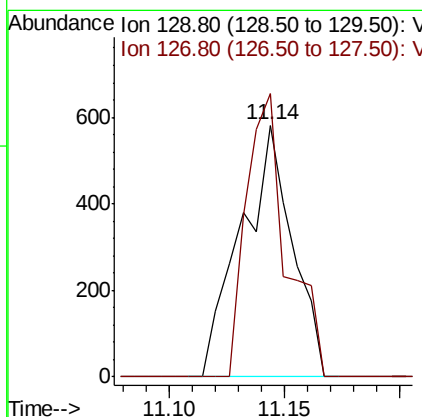
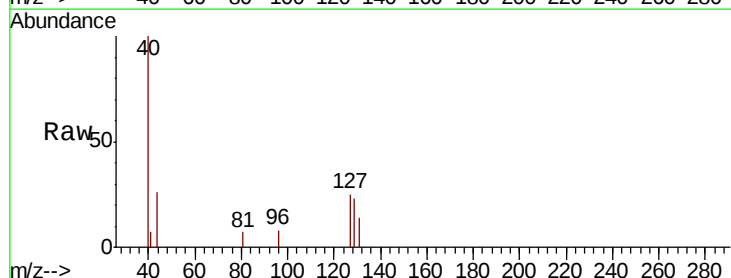
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-01MS

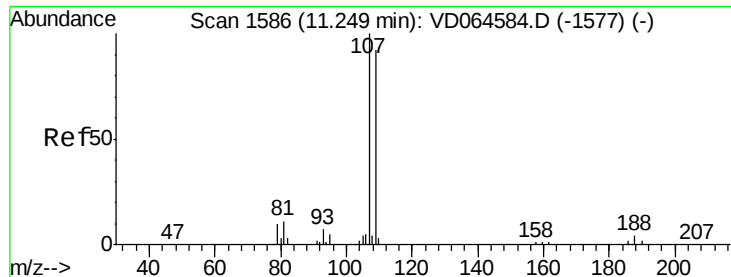
Tot Ion: 43 Resp: 2462
Ion Ratio Lower Upper
43 100
58 50.2 26.4 79.0



#60
Dibromochloromethane
Concen: 16.470 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

Tgt Ion: 129 Resp: 897
Ion Ratio Lower Upper
129 100
127 89.1 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.256 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

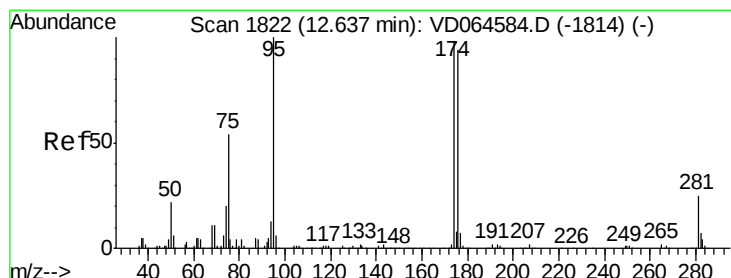
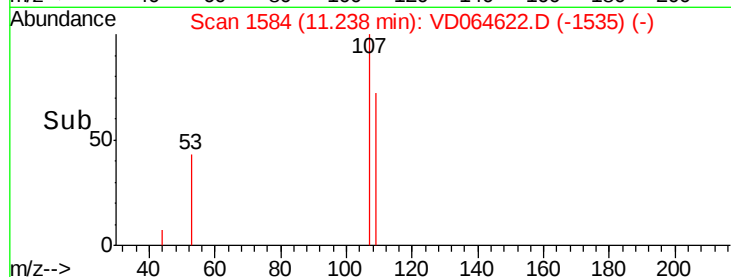
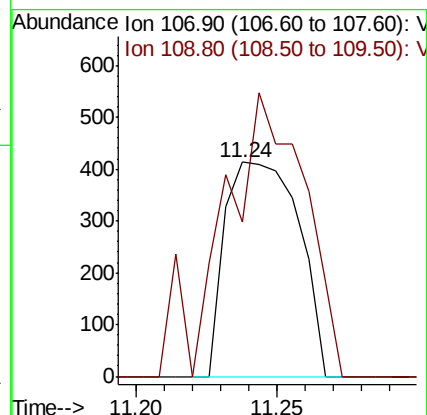
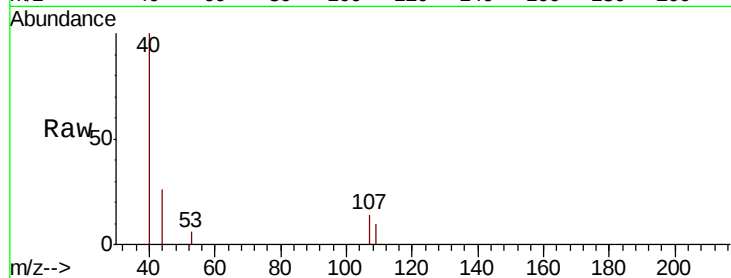
LIED-BF001-01MS

Tot Ion:107 Resp: 748

Ion Ratio Lower Upper

107 100

109 147.5 75.6 113.4#



#62

4-Bromofluorobenzene

Concen: 55.285 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

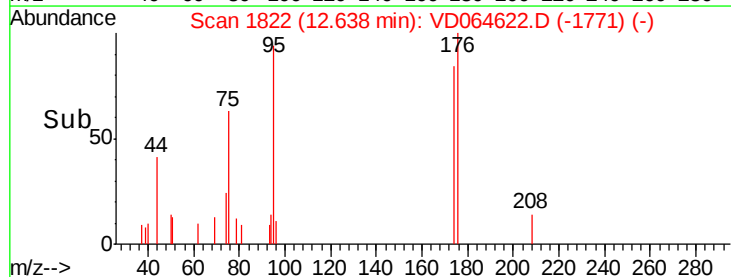
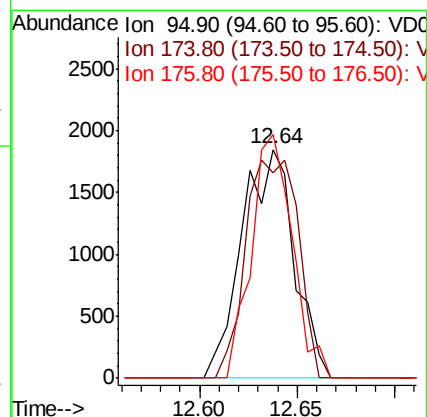
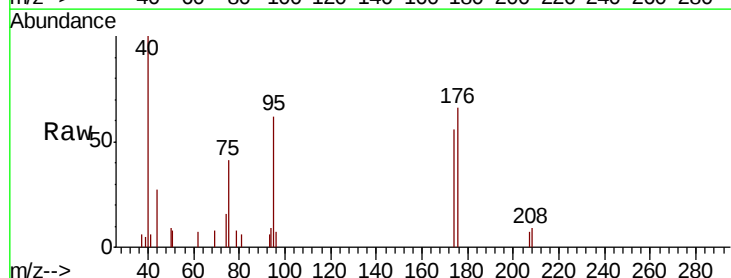
Tgt Ion: 95 Resp: 3432

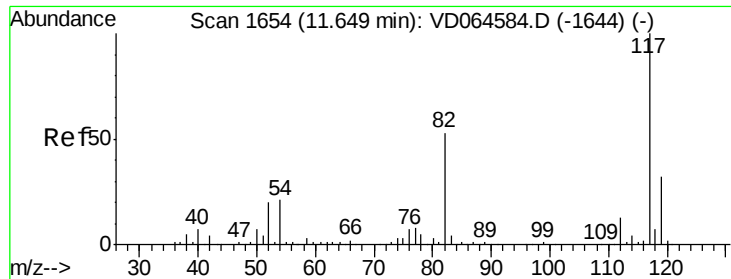
Ion Ratio Lower Upper

95 100

174 95.9 0.0 193.2

176 83.4 0.0 184.2

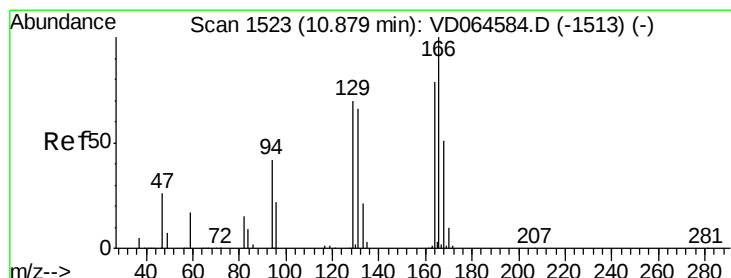
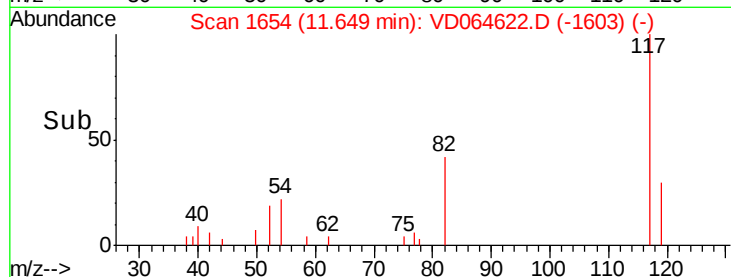
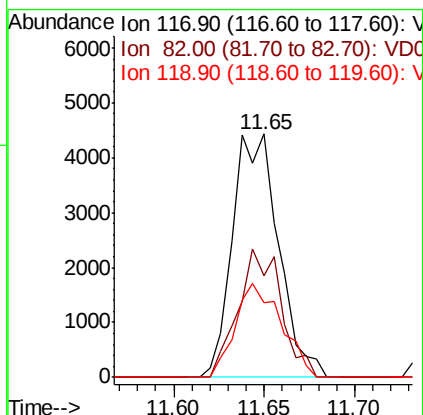
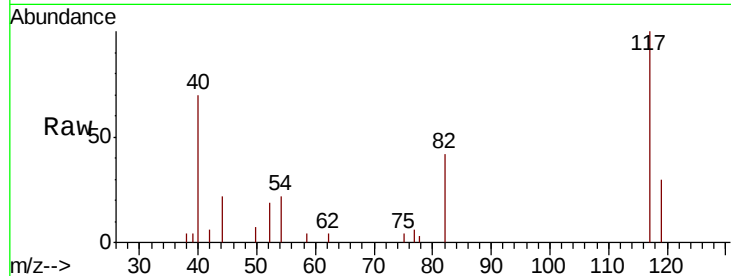




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

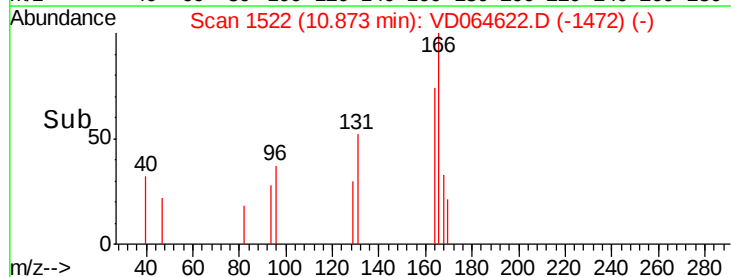
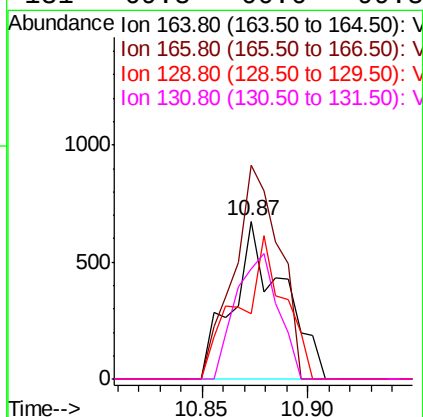
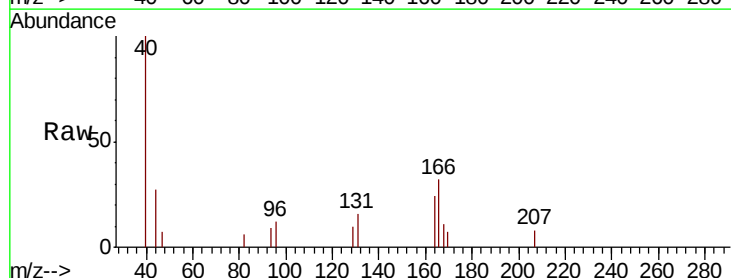
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-01MS

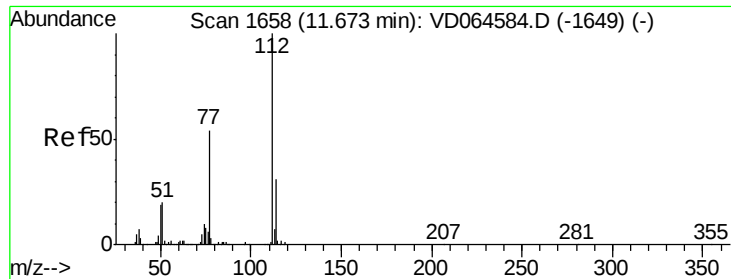
Tot Ion:117 Resp: 7829
Ion Ratio Lower Upper
117 100
82 41.8 42.2 63.4#
119 30.4 26.0 39.0



#64
Tetrachloroethene
Concen: 18.547 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

Tgt Ion:164 Resp: 1114
Ion Ratio Lower Upper
164 100
166 135.1 101.3 151.9
129 41.0 70.5 105.7#
131 69.8 66.6 99.8

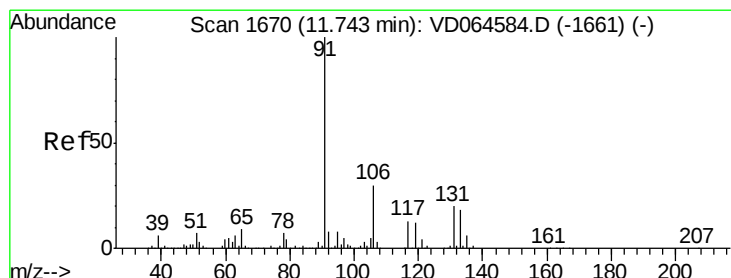
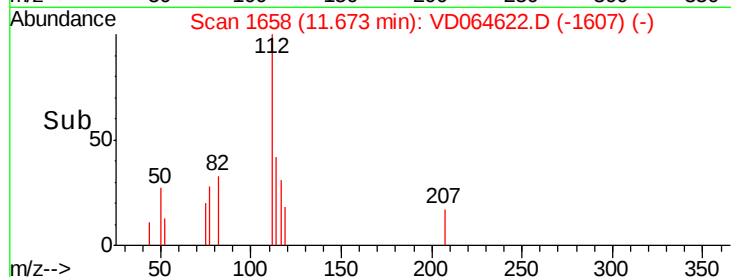
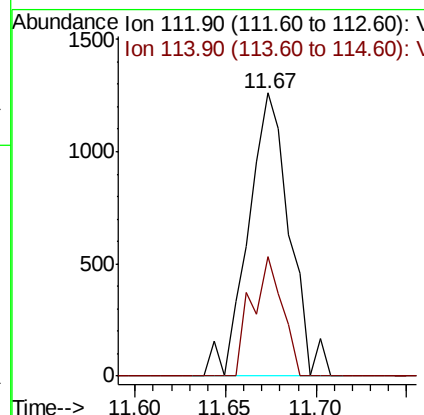
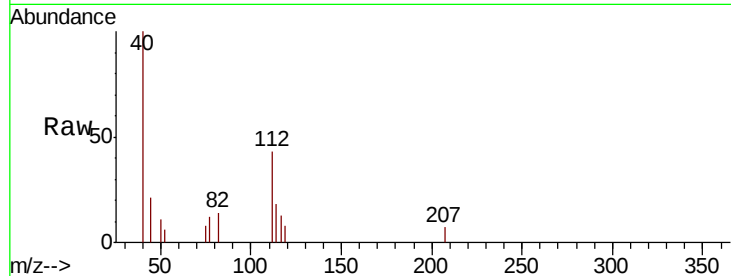




#65
Chlorobenzene
Concen: 12.265 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

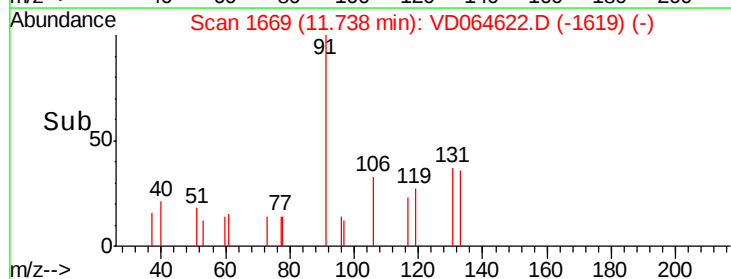
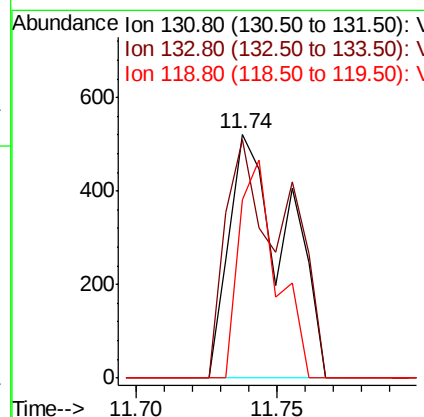
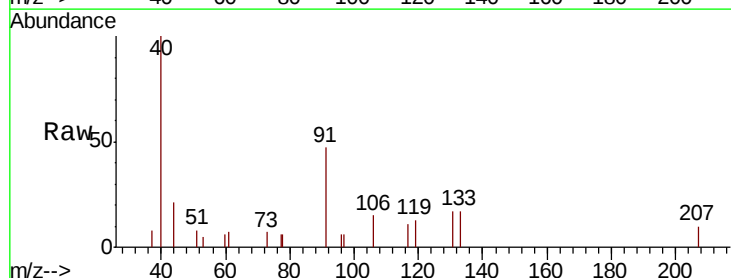
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-01MS

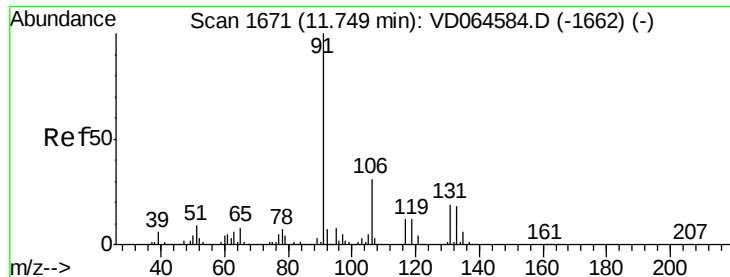
Tot Ion:112 Resp: 1993
Ion Ratio Lower Upper
112 100
114 42.0 24.8 37.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 11.917 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

Tgt Ion:131 Resp: 730
Ion Ratio Lower Upper
131 100
133 103.4 48.3 144.8
119 59.2 32.1 96.3

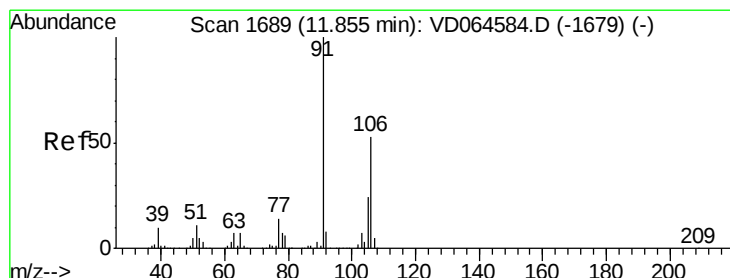
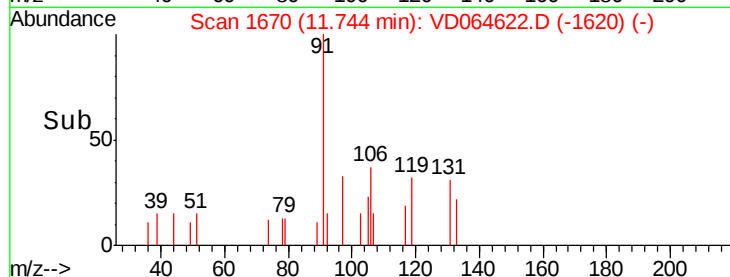
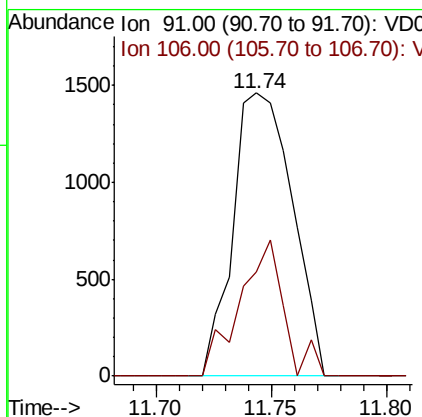
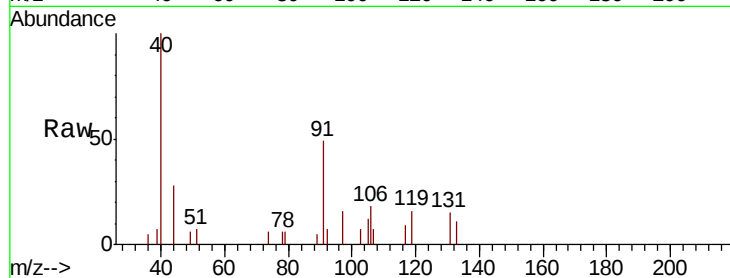




#67
Ethyl Benzene
Concen: 8.900 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

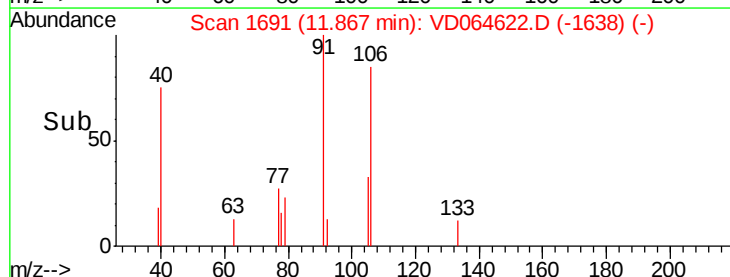
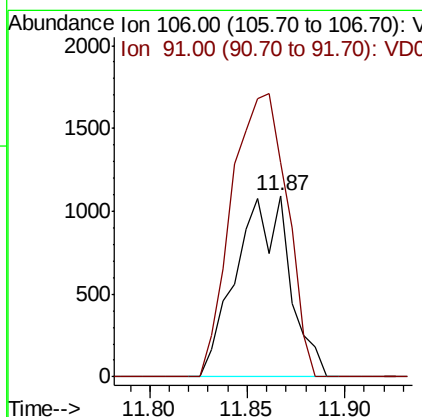
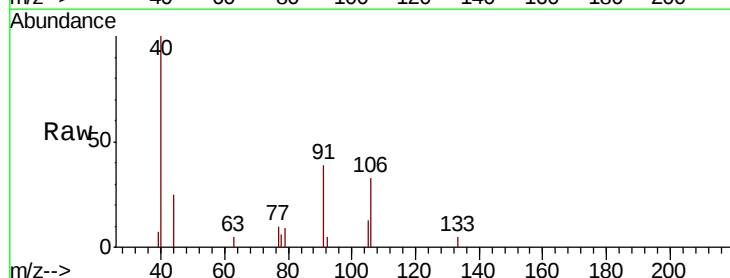
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-01MS

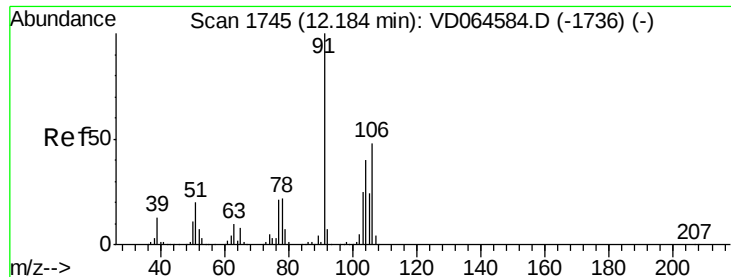
Tot Ion: 91 Resp: 2625
Ion Ratio Lower Upper
91 100
106 36.6 24.6 36.8



#68
m/p-Xylenes
Concen: 18.184 ug/l
RT: 11.87 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

Tgt Ion: 106 Resp: 2070
Ion Ratio Lower Upper
106 100
91 162.0 156.3 234.5

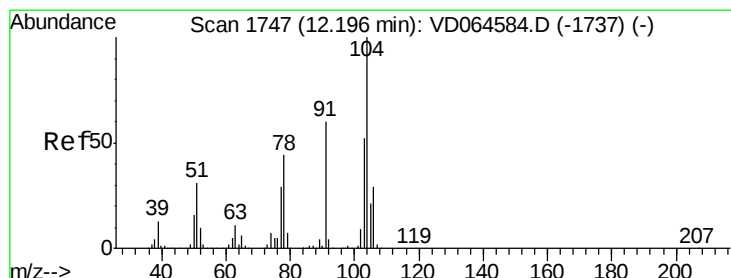
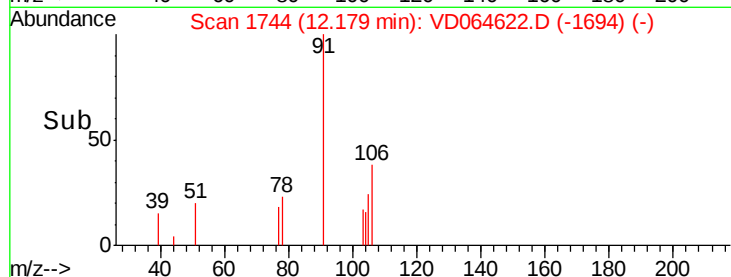
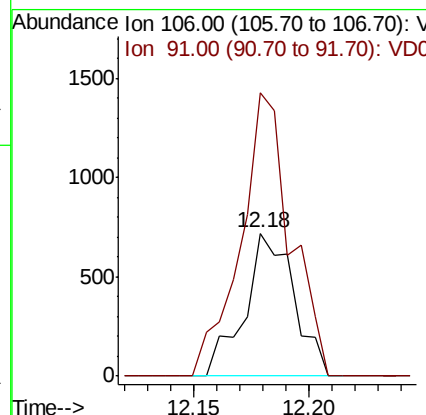
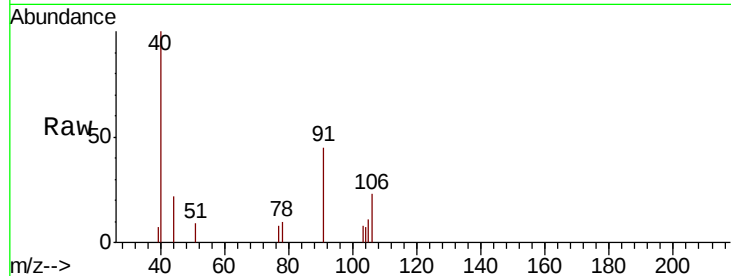




#69
o-Xylene
Concen: 10.416 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

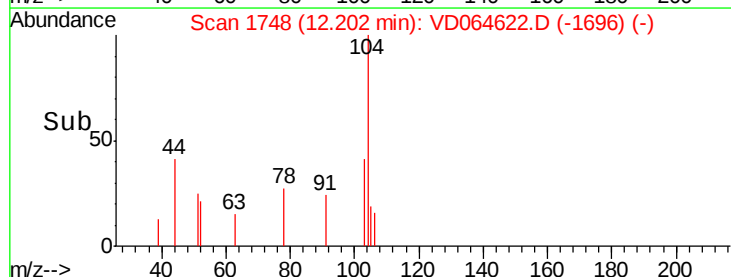
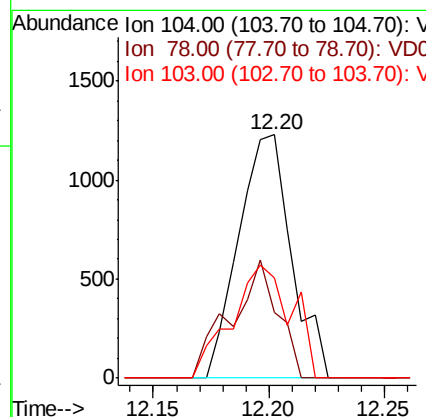
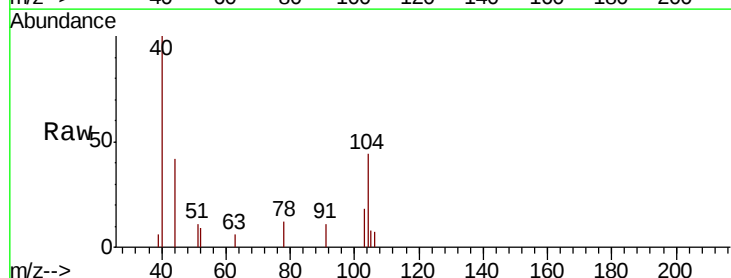
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-01MS

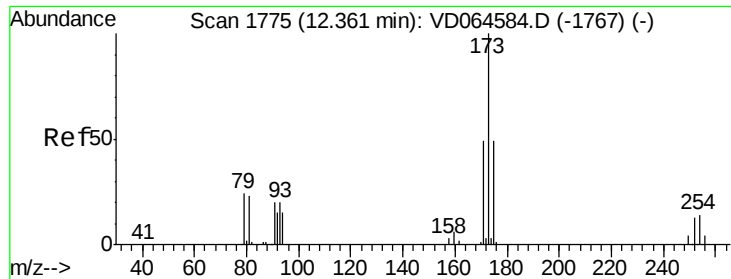
Tot Ion:106 Resp: 1071
Ion Ratio Lower Upper
106 100
91 202.1 104.8 314.4



#70
Styrene
Concen: 10.854 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

Tgt Ion:104 Resp: 1959
Ion Ratio Lower Upper
104 100
78 43.3 38.2 57.2
103 52.5 44.6 67.0





#71

Bromoform

Concen: 11.680 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF001-01MS

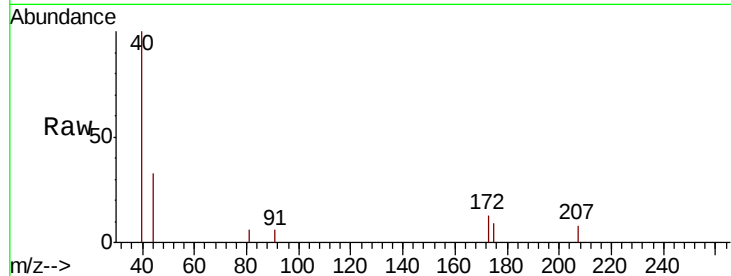
Tot Ion:173 Resp: 408

Ion Ratio Lower Upper

173 100

175 61.0 24.6 73.8

254 0.0 0.1 0.1#



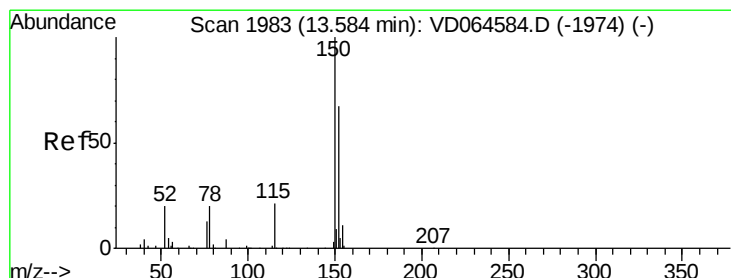
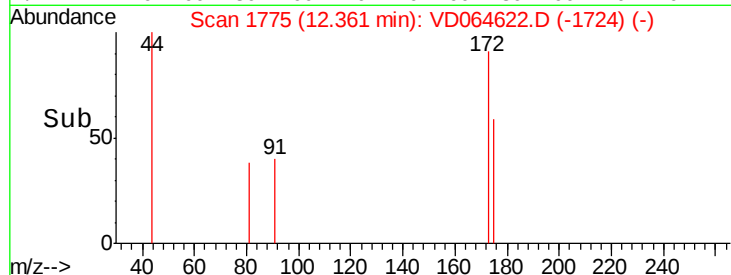
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

12.36

12.32 12.34 12.36 12.38



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

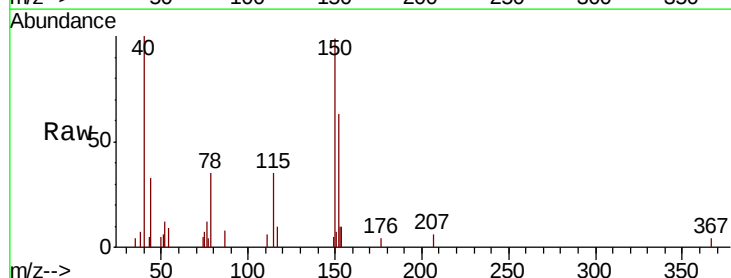
Tgt Ion:152 Resp: 3453

Ion Ratio Lower Upper

152 100

115 65.9 27.8 83.4

150 177.8 0.0 351.4



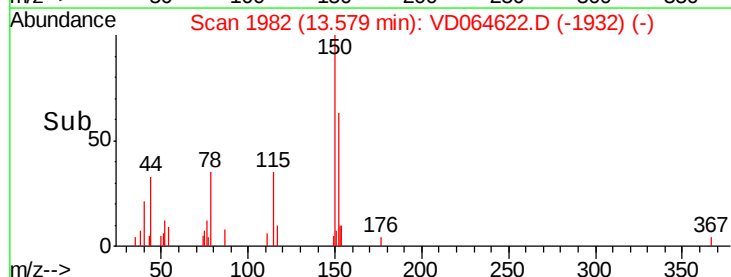
Abundance Ion 151.90 (151.60 to 152.60): V

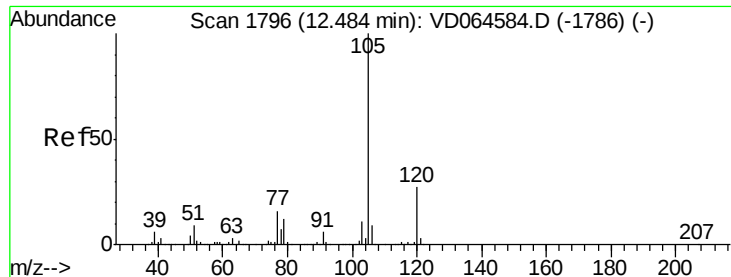
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

13.58

13.55 13.60





#73

Isopropylbenzene

Concen: 9.045 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

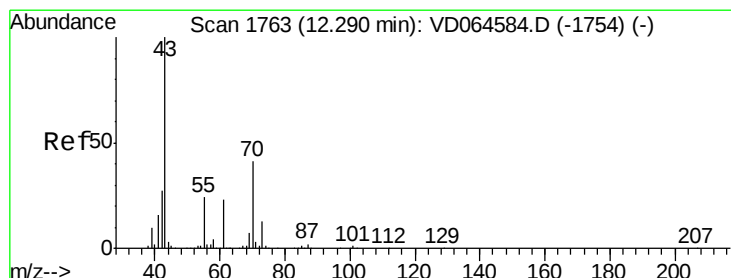
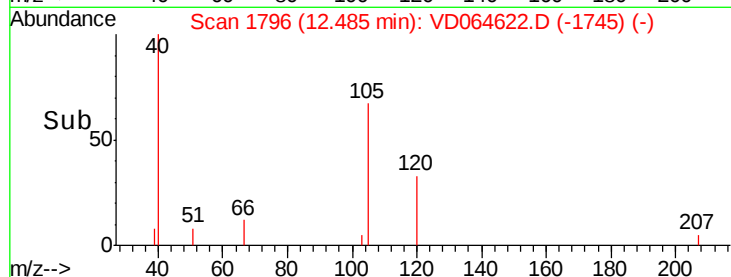
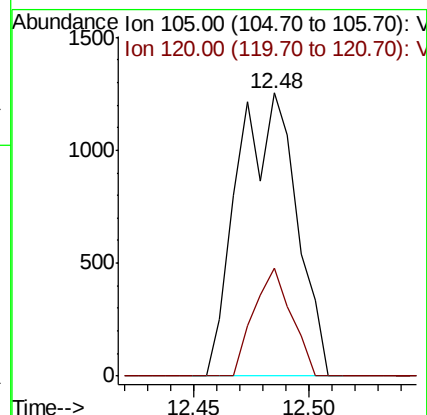
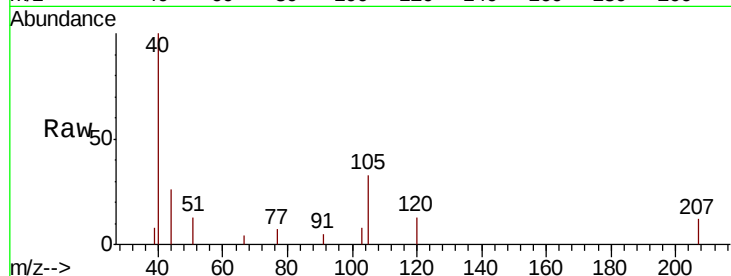
LIED-BF001-01MS

Tot Ion:105 Resp: 2232

Ion Ratio Lower Upper

105 100

120 24.4 13.5 40.5



#74

N-ethyl acetate

Concen: 12.399 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Tgt Ion: 43 Resp: 654

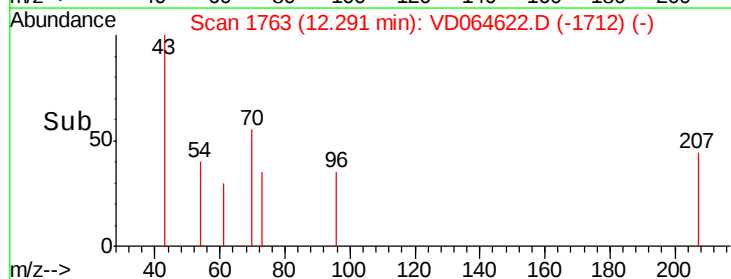
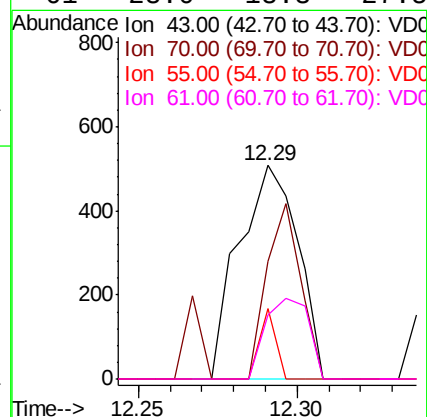
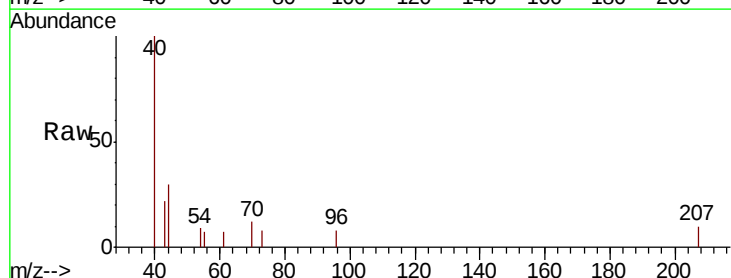
Ion Ratio Lower Upper

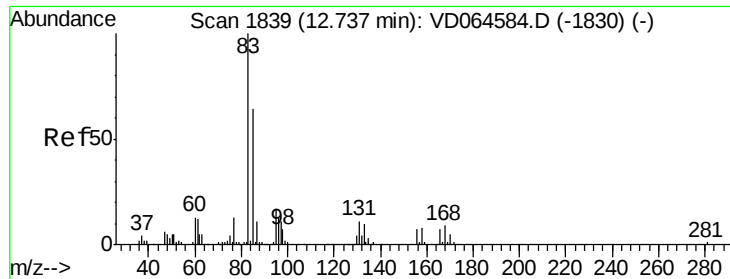
43 100

70 47.7 33.4 50.0

55 9.0 19.4 29.0#

61 28.0 18.3 27.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 15.711 ug/l

RT: 12.73 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF001-01MS

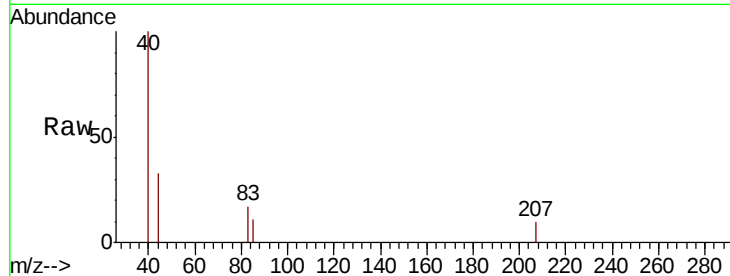
Tot Ion: 83 Resp: 609

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

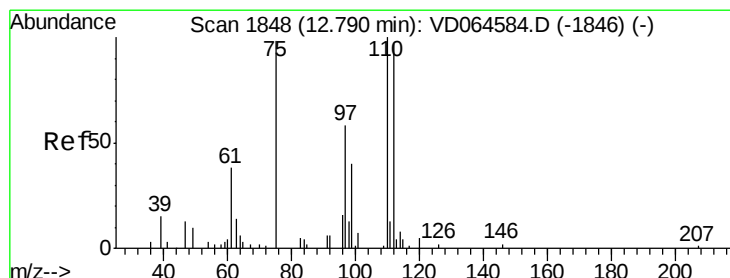
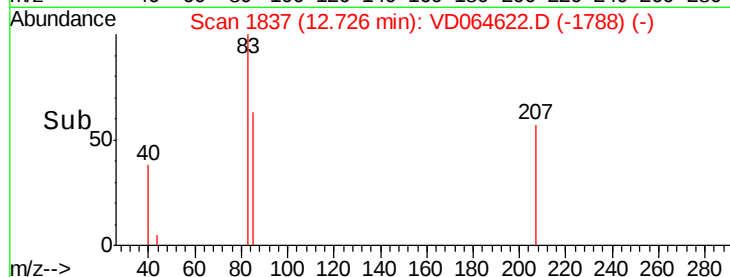
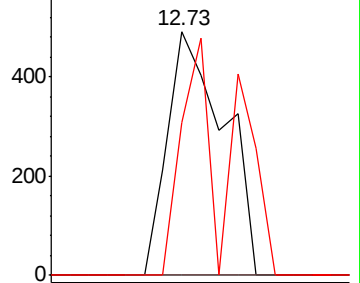
85 45.5 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 29.339 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064622.D

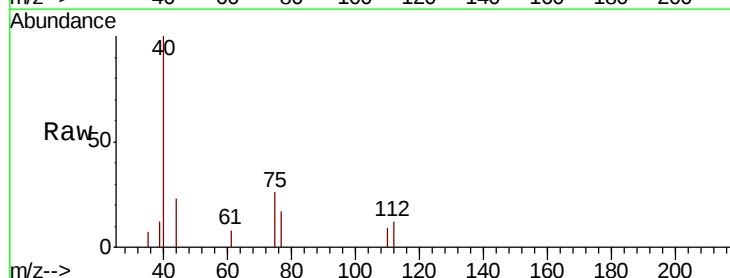
Acq: 27 Dec 2019 03:29

Tgt Ion: 75 Resp: 800

Ion Ratio Lower Upper

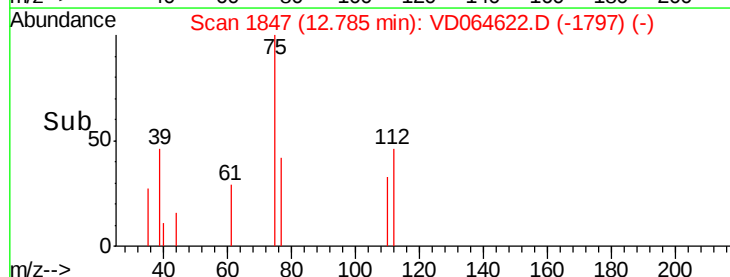
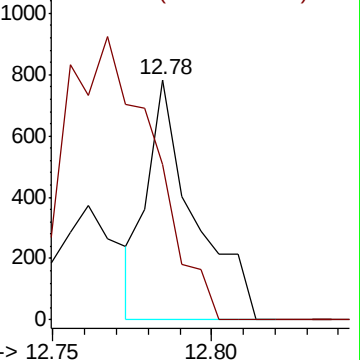
75 100

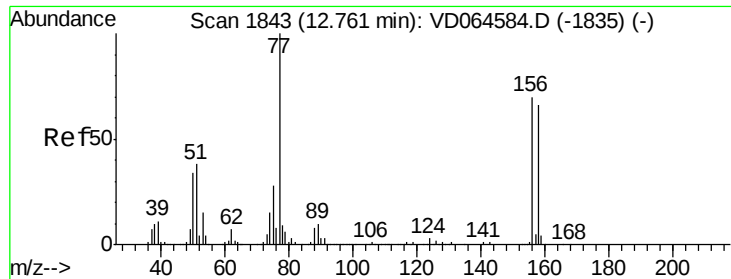
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 14.613 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF001-01MS

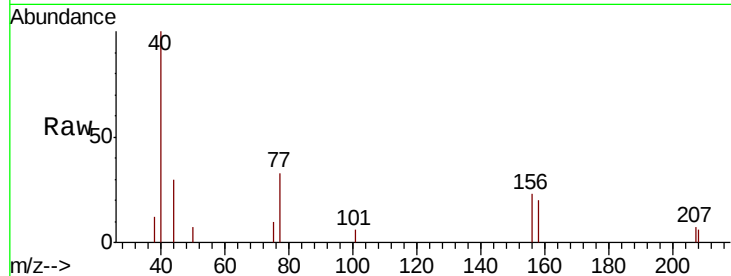
Tot Ion:156 Resp: 886

Ion Ratio Lower Upper

156 100

77 208.1 80.9 242.7

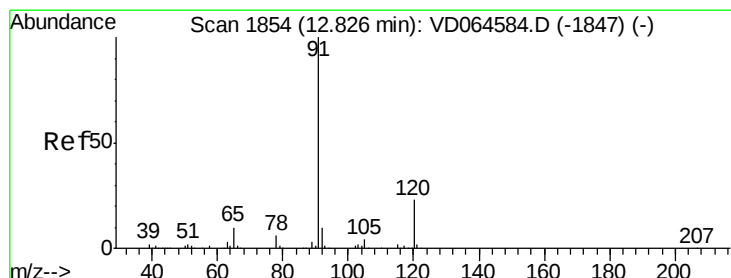
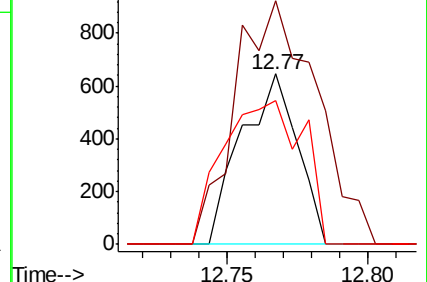
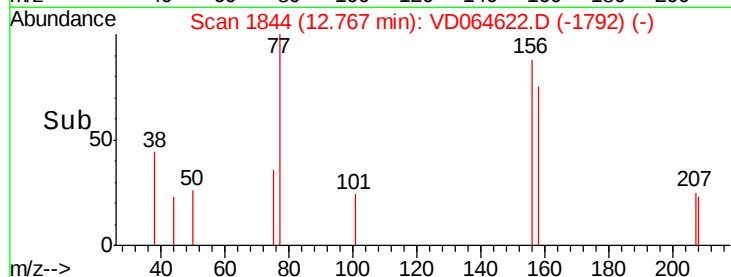
158 121.0 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 6.892 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD064622.D

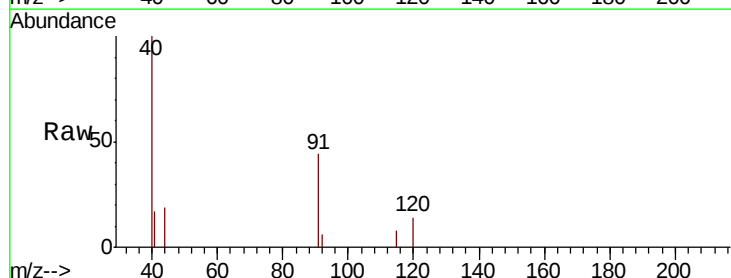
Acq: 27 Dec 2019 03:29

Tgt Ion: 91 Resp: 1984

Ion Ratio Lower Upper

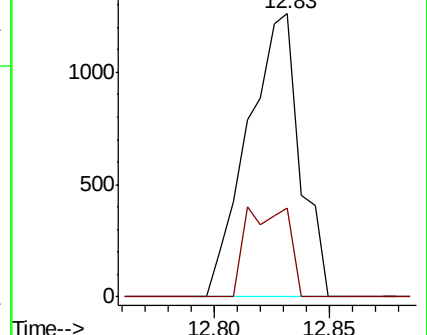
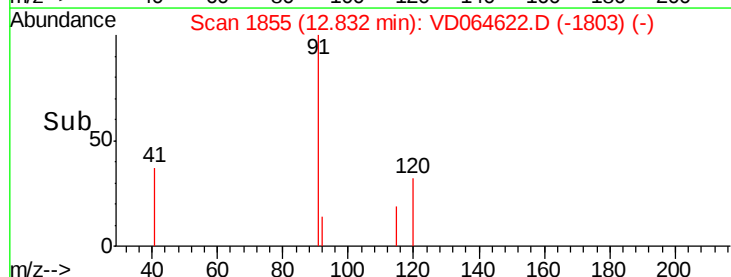
91 100

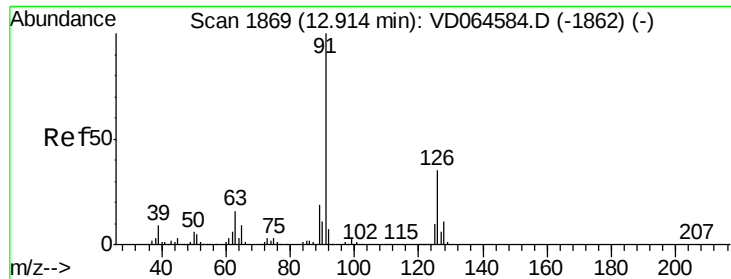
120 26.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 11.882 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

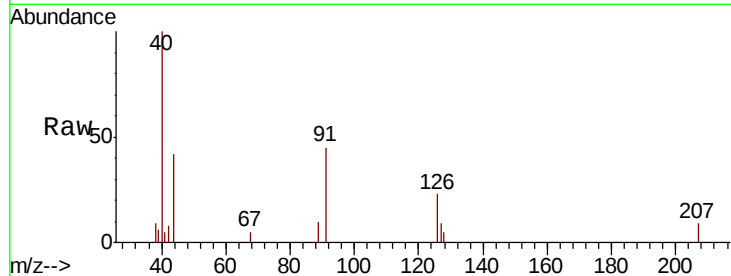
LIED-BF001-01MS

Tot Ion: 91 Resp: 1879

Ion Ratio Lower Upper

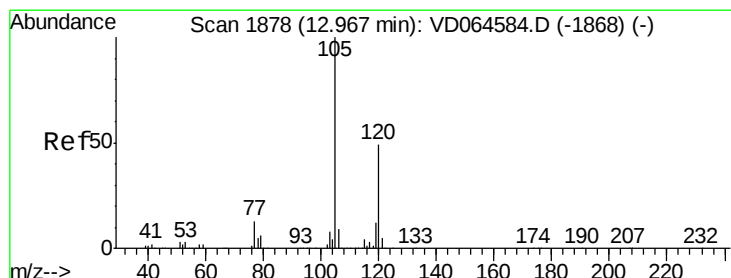
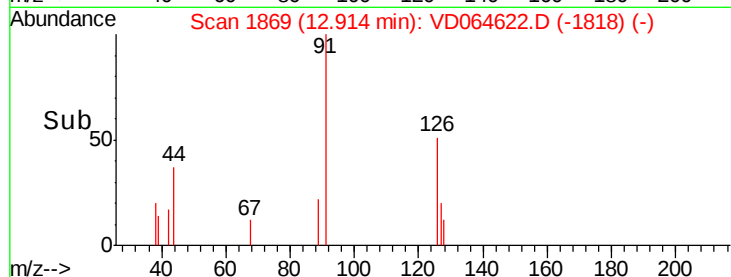
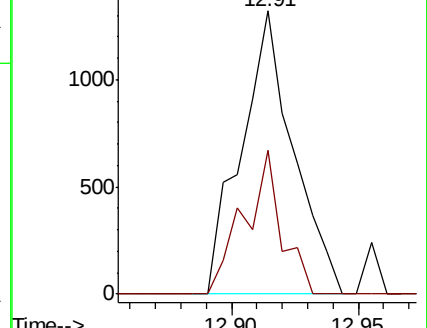
91 100

126 36.6 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 9.151 ug/l

RT: 12.96 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VD064622.D

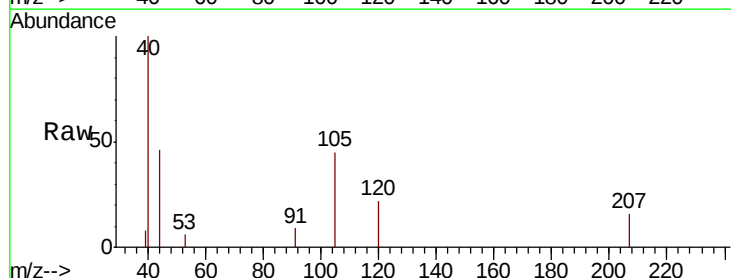
Acq: 27 Dec 2019 03:29

Tgt Ion: 105 Resp: 1855

Ion Ratio Lower Upper

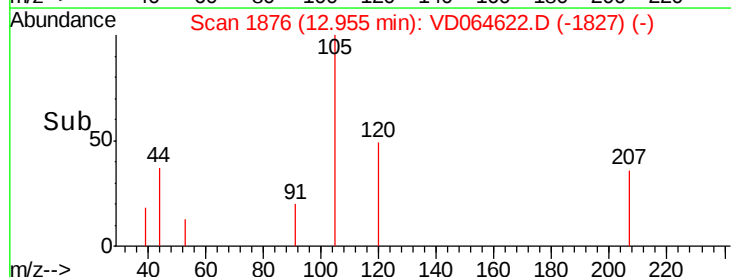
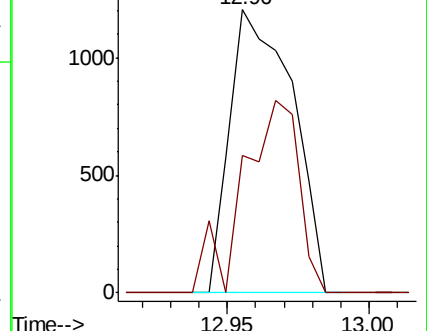
105 100

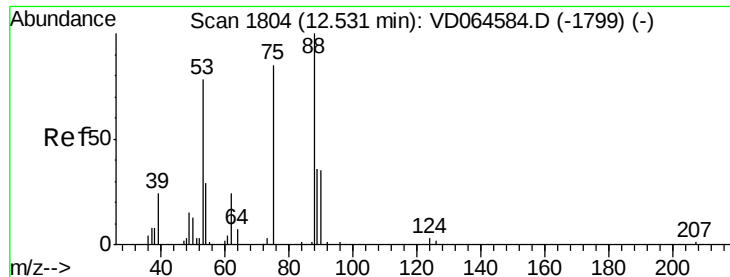
120 60.5 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 154.634 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF001-01MS

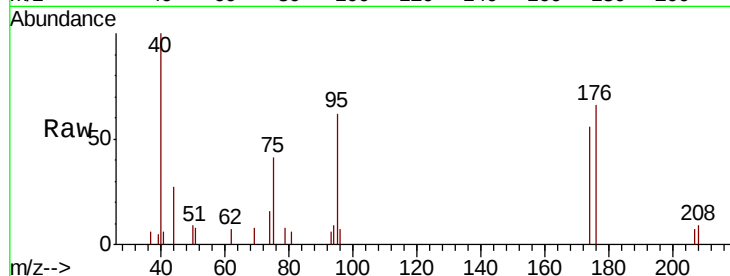
Tot Ion: 75 Resp: 2016

Ion Ratio Lower Upper

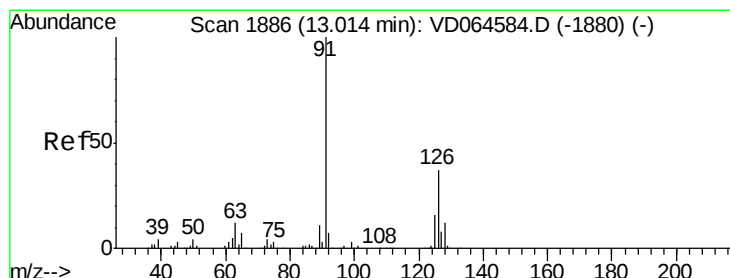
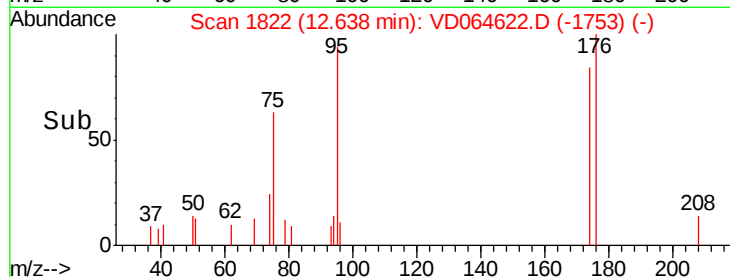
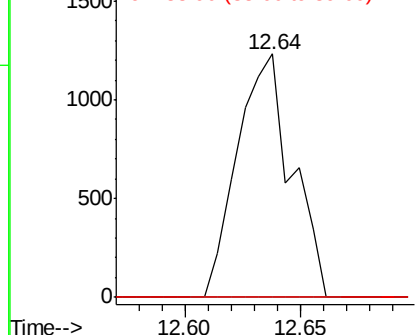
75 100

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: 10.511 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD064622.D

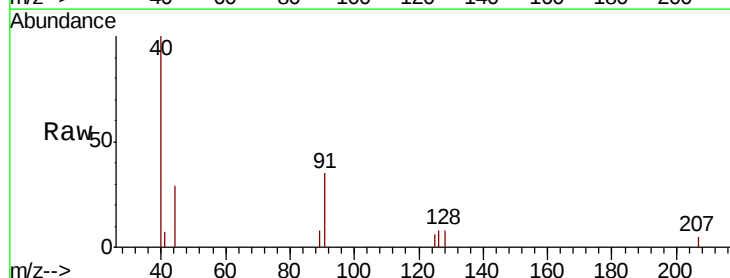
Acq: 27 Dec 2019 03:29

Tgt Ion: 91 Resp: 1769

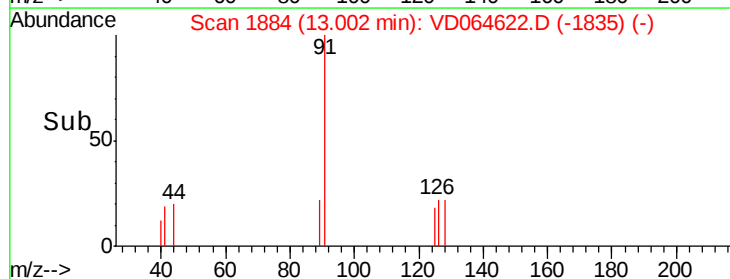
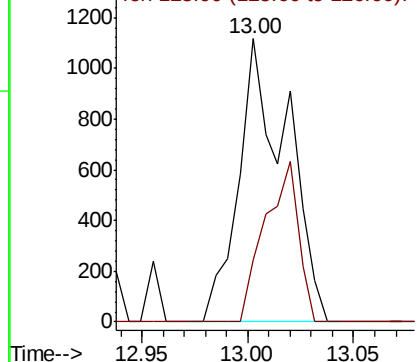
Ion Ratio Lower Upper

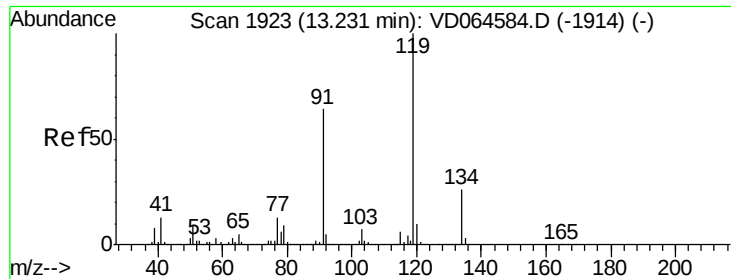
91 100

126 39.4 17.8 53.5



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





#83

tert-Butylbenzene

Concen: 8.029 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF001-01MS

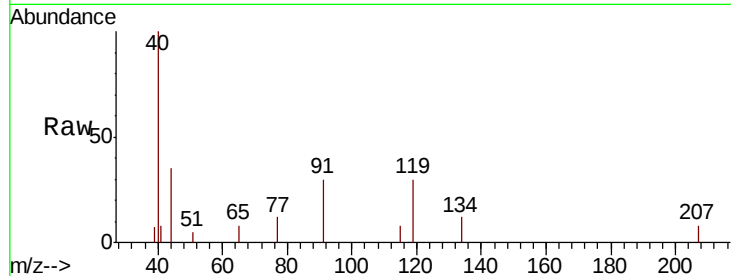
Tot Ion:119 Resp: 1413

Ion Ratio Lower Upper

119 100

91 83.5 30.8 92.4

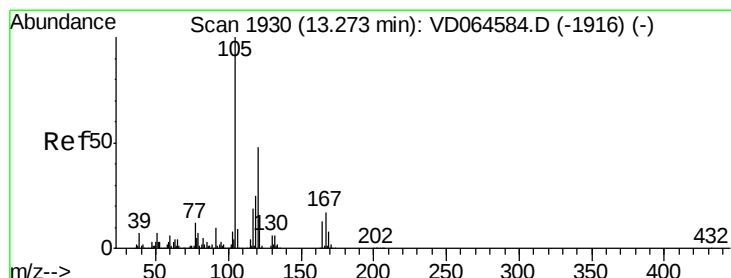
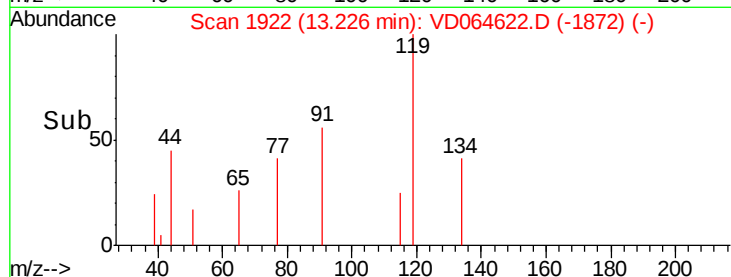
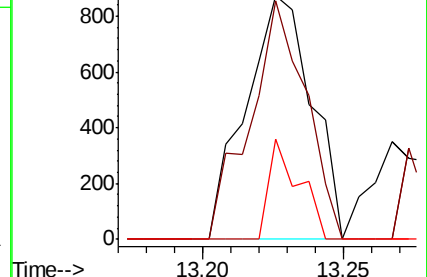
134 18.9 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 9.233 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD064622.D

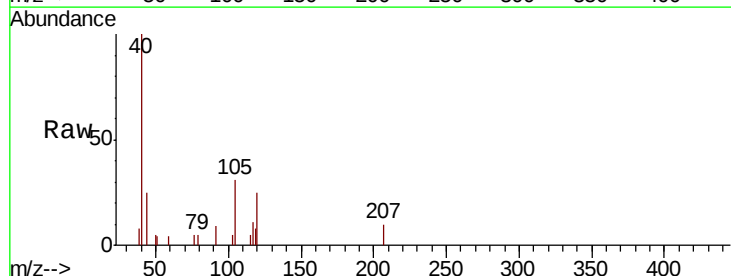
Acq: 27 Dec 2019 03:29

Tgt Ion:105 Resp: 1864

Ion Ratio Lower Upper

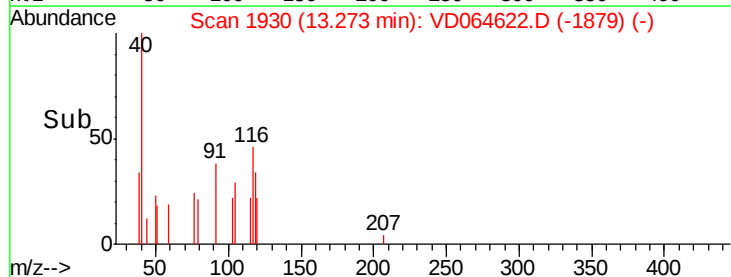
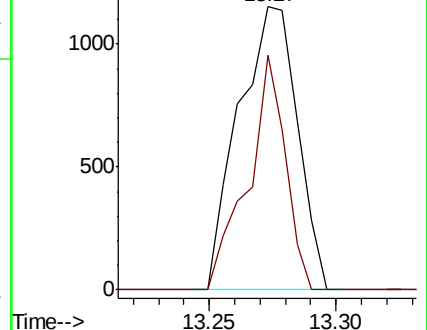
105 100

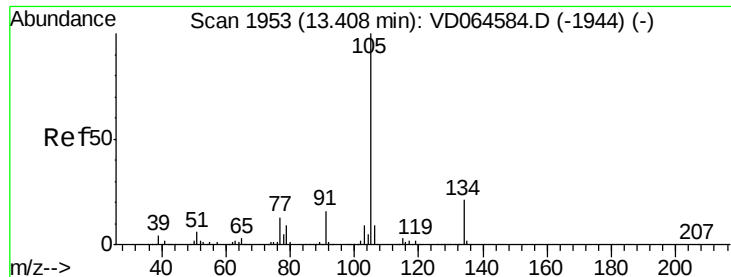
120 52.8 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

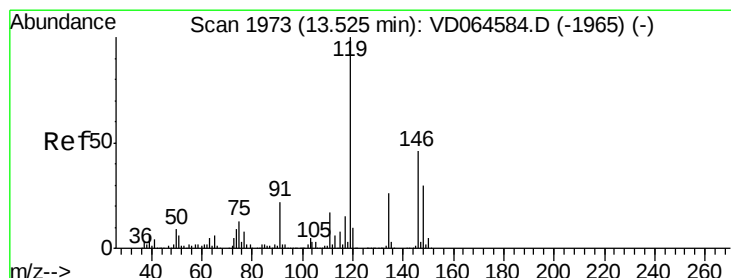
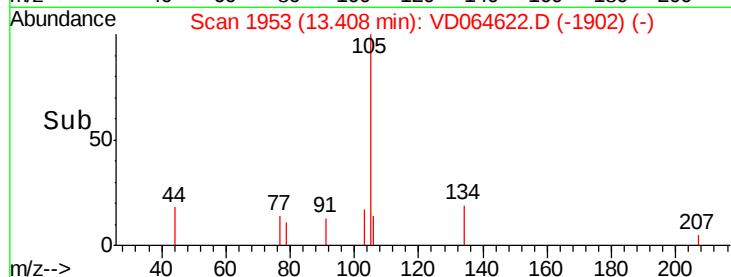
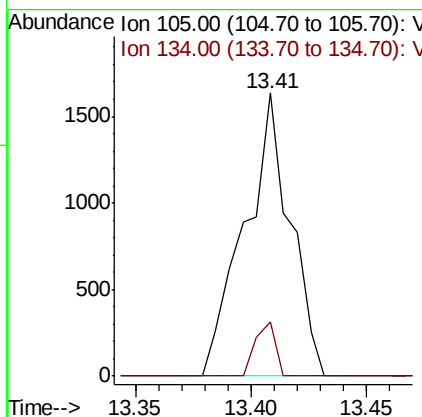
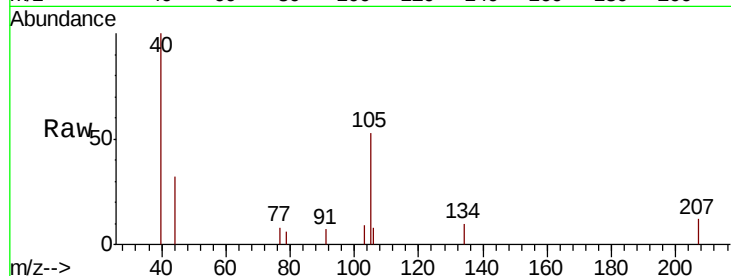




#85
 sec-Butylbenzene
 Concen: 9.292 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064622.D
 Acq: 27 Dec 2019 03:29

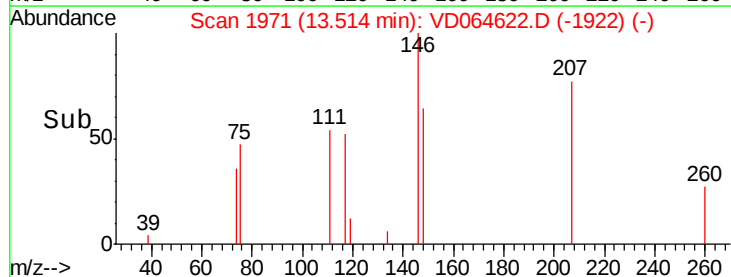
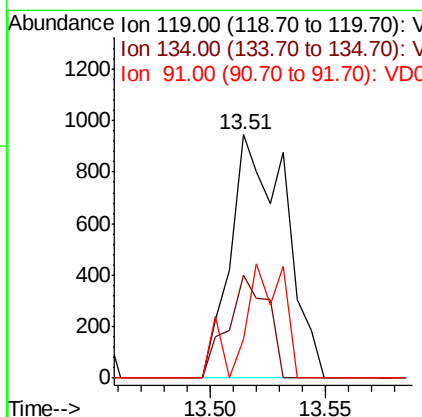
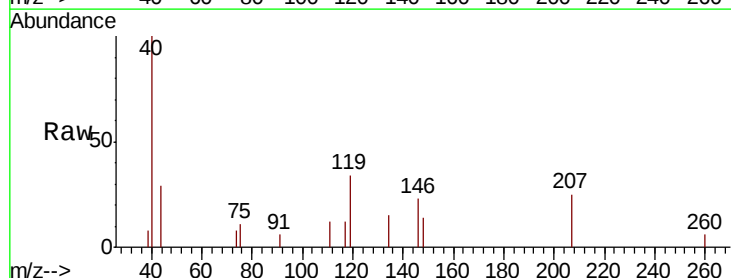
Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF001-01MS

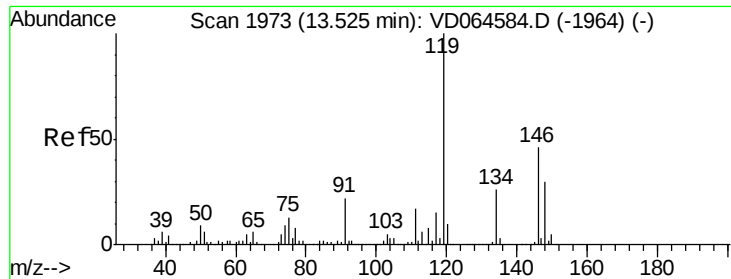
Tot Ion:105 Resp: 2242
 Ion Ratio Lower Upper
 105 100
 134 8.4 10.6 31.8#



#86
 p-Isopropyltoluene
 Concen: 6.796 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.01 min
 Lab File: VD064622.D
 Acq: 27 Dec 2019 03:29

Tgt Ion:119 Resp: 1568
 Ion Ratio Lower Upper
 119 100
 134 30.6 13.4 40.1
 91 35.0 11.2 33.6#





#87

1,3-Dichlorobenzene

Concen: 11.766 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF001-01MS

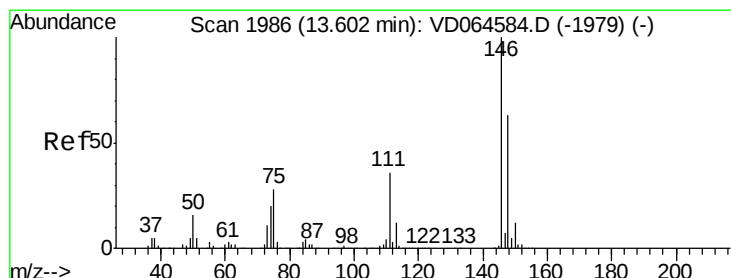
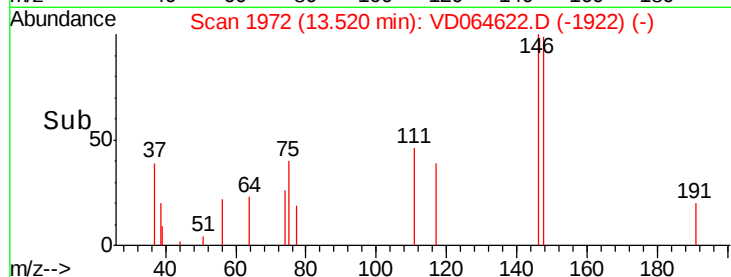
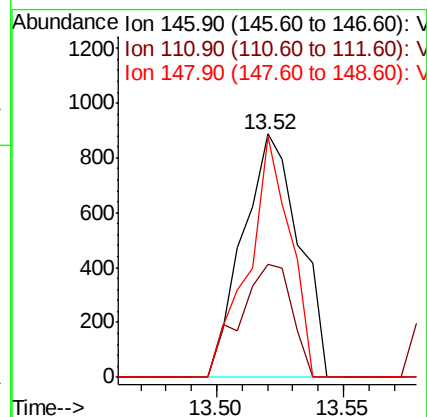
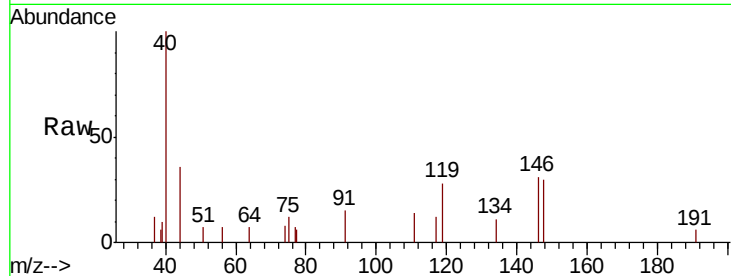
Tot Ion:146 Resp: 1360

Ion Ratio Lower Upper

146 100

111 43.4 18.8 56.4

148 73.8 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 12.083 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

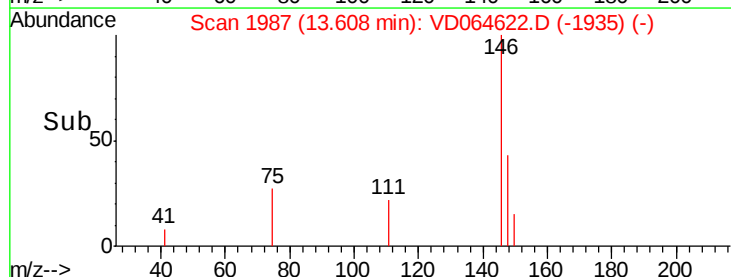
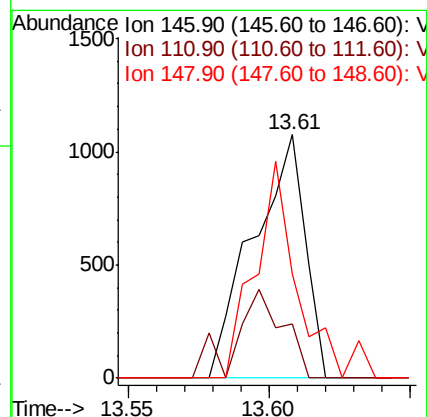
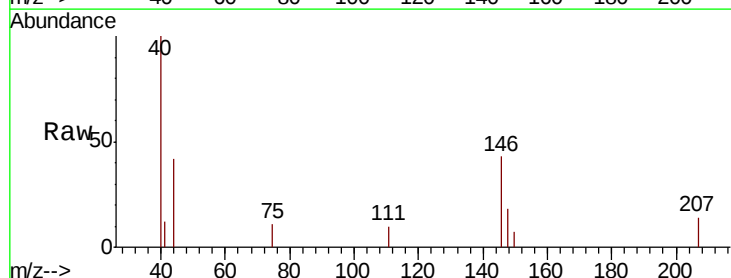
Tgt Ion:146 Resp: 1372

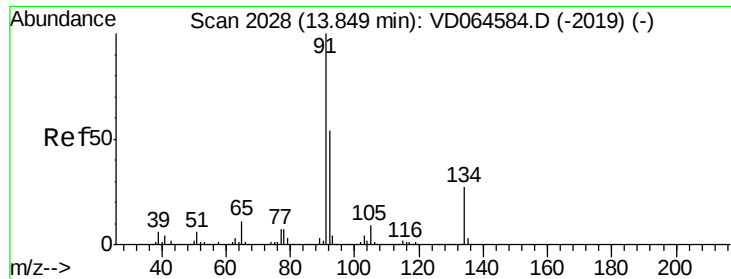
Ion Ratio Lower Upper

146 100

111 33.5 18.1 54.1

148 73.7 32.3 96.9

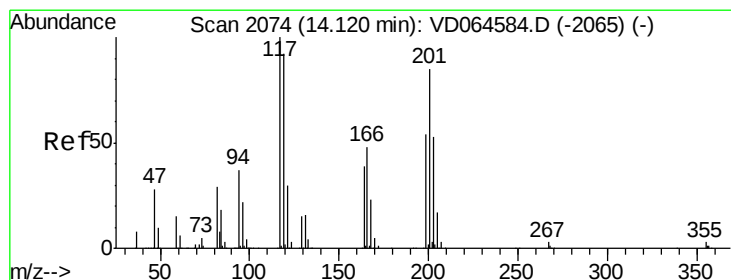
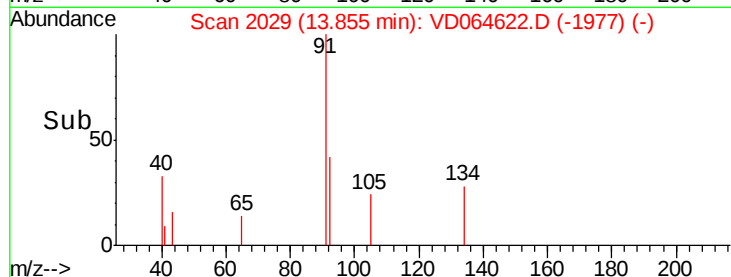
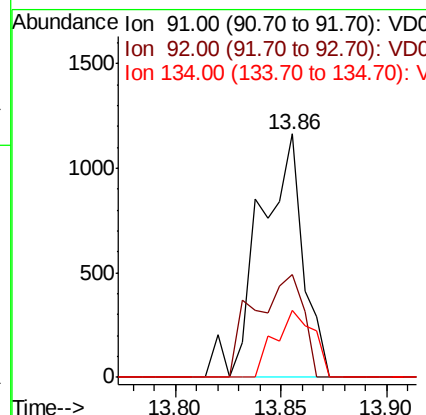
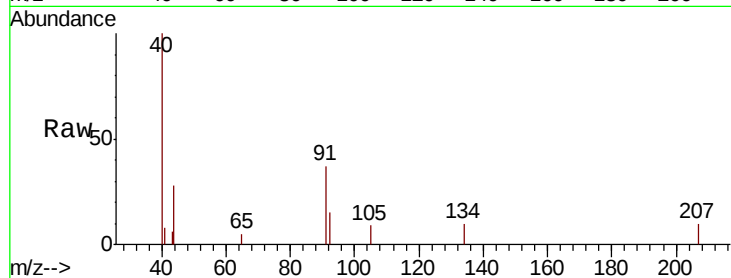




#89
n-Butylbenzene
Concen: 7.961 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

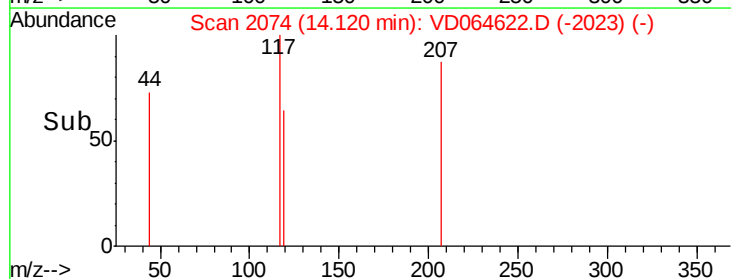
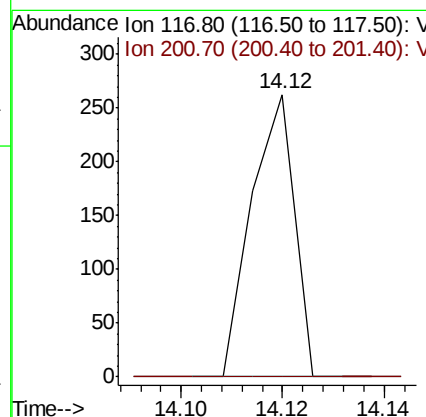
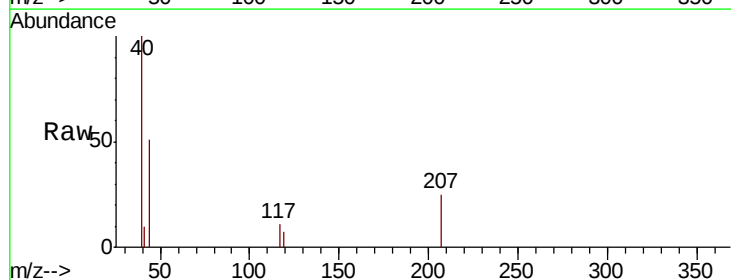
Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-01MS

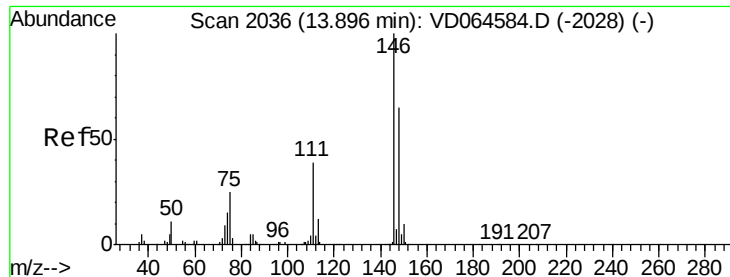
Tot Ion: 91 Resp: 1654
Ion Ratio Lower Upper
91 100
92 47.7 26.8 80.4
134 24.8 14.0 41.9



#90
Hexachloroethane
Concen: 3.494 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064622.D
Acq: 27 Dec 2019 03:29

Tgt Ion: 117 Resp: 154
Ion Ratio Lower Upper
117 100
201 0.0 44.0 131.8#

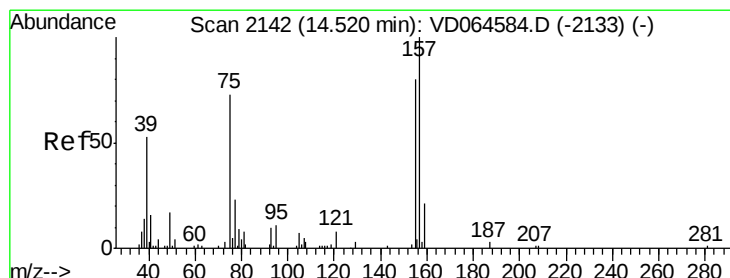
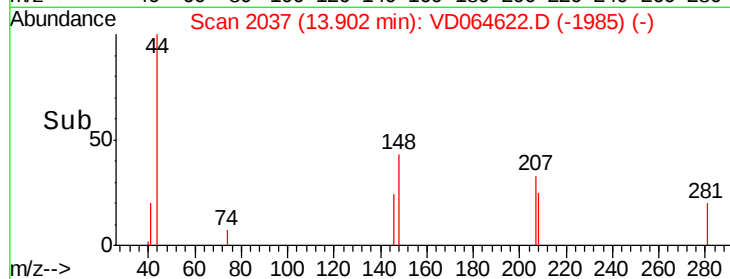
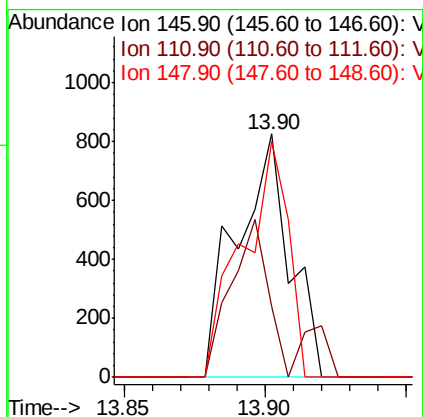
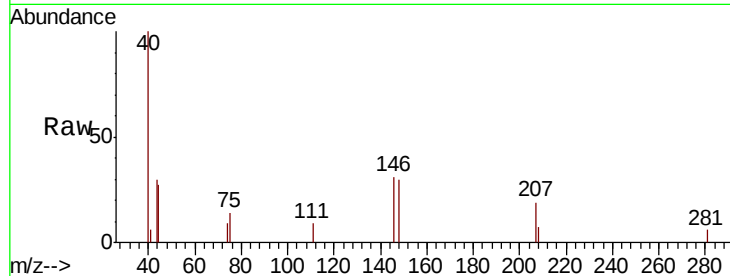




#91
 1,2-Dichlorobenzene
 Concen: 10.866 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064622.D
 Acq: 27 Dec 2019 03:29

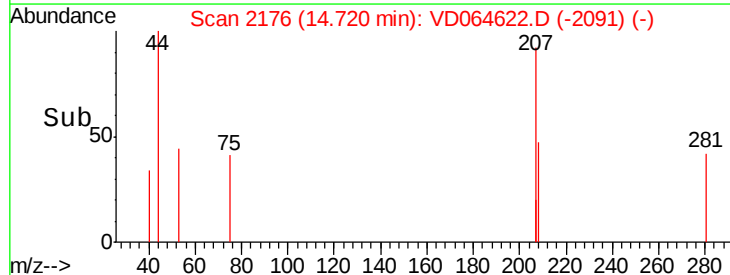
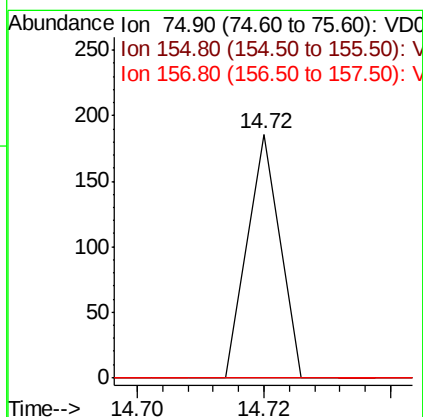
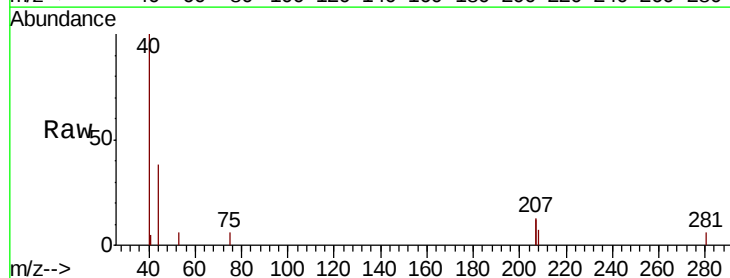
Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF001-01MS

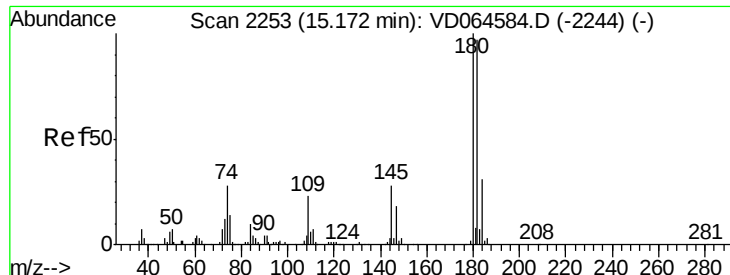
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	19.3	57.9
148	84.4	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.503 ug/l
 RT: 14.72 min Scan# 2176
 Delta R.T. 0.20 min
 Lab File: VD064622.D
 Acq: 27 Dec 2019 03:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	48.0	144.0#
157	0.0	64.1	192.3#

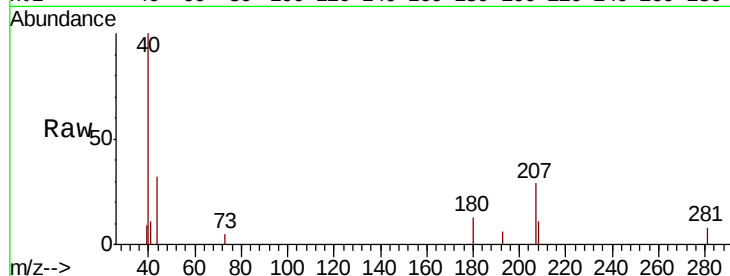




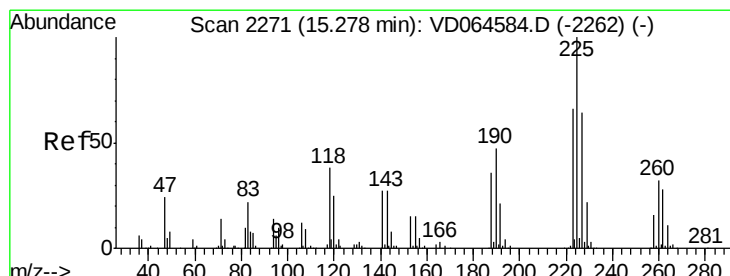
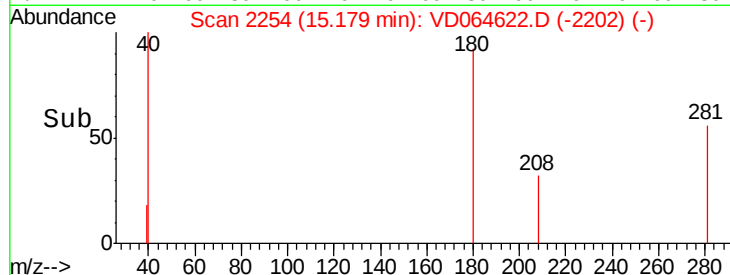
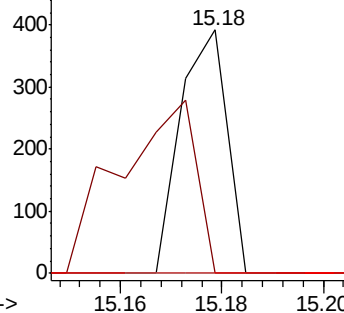
#93
 1,2,4-Trichlorobenzene
 Concen: 3.431 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064622.D
 Acq: 27 Dec 2019 03:29

Instrument :
 MSVOA_D
 ClientSampleID :
 LIED-BF001-01MS

Tot Ion:180 Resp: 249
 Ion Ratio Lower Upper
 180 100
 182 117.7 48.0 144.2
 145 0.0 13.8 41.4#

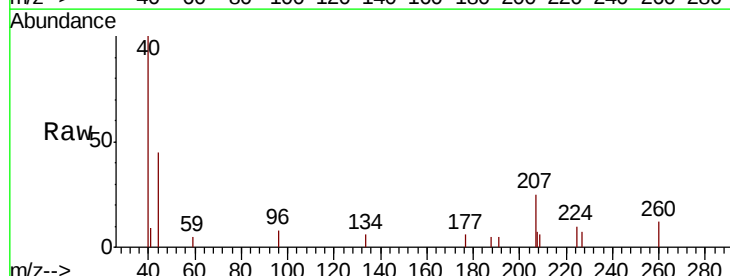


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

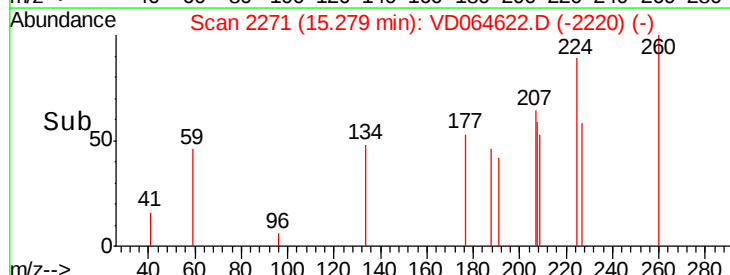
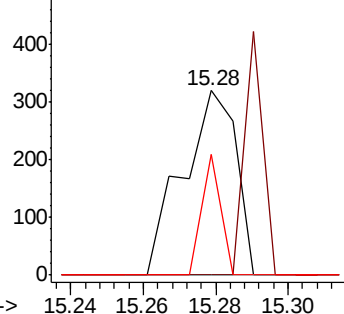


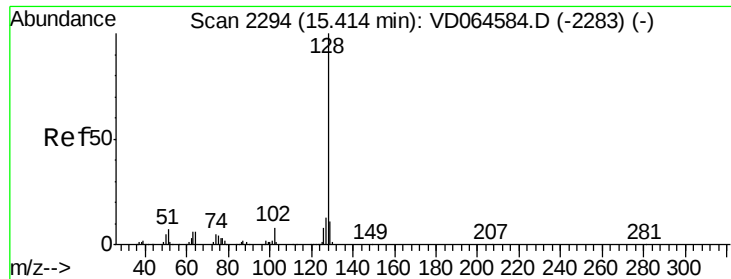
#94
 Hexachlorobutadiene
 Concen: 7.161 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064622.D
 Acq: 27 Dec 2019 03:29

Tgt Ion:225 Resp: 327
 Ion Ratio Lower Upper
 225 100
 223 45.6 31.1 93.2
 227 22.6 30.9 92.7#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 5.191 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD064622.D

Acq: 27 Dec 2019 03:29

Instrument :

MSVOA_D

ClientSampleId :

LIED-BF001-01MS

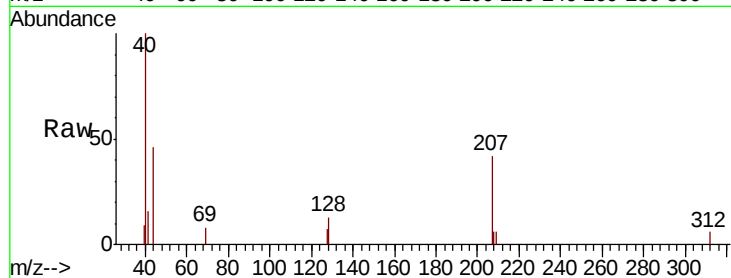
Tot Ion:128 Resp: 596

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

