

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
 Data File : VY001102.D
 Acq On : 27 Dec 2019 16:50
 Operator : SY/MD
 Sample : K6439-02MS
 Misc : 5.18G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MS

Quant Time: Dec 28 04:03:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	33514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	61754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	56157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	25468	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	19018	57.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.08%	
35) Dibromofluoromethane	7.72	113	18911	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
50) Toluene-d8	10.18	98	74494	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.48	95	24702	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	12730	43.591	ug/l	92
3) Chloromethane	2.11	50	15417	38.789	ug/l	100
4) Vinyl Chloride	2.25	62	14510	37.592	ug/l	95
5) Bromomethane	2.66	94	9304	37.404	ug/l	99
6) Chloroethane	2.80	64	9900	41.180	ug/l	94
7) Trichlorofluoromethane	3.13	101	25000	44.159	ug/l	100
8) Diethyl Ether	3.54	74	12200	52.791	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	17862	48.031	ug/l	98
10) Methyl Iodide	4.10	142	21157	41.176	ug/l	99
11) Tert butyl alcohol	4.96	59	10617	292.125	ug/l #	88
12) 1,1-Dichloroethene	3.88	96	17739	47.115	ug/l	99
13) Acrolein	3.73	56	12907	286.622	ug/l	100
14) Allyl chloride	4.49	41	27653	47.279	ug/l	93
15) Acrylonitrile	5.17	53	33836	292.960	ug/l	99
16) Acetone	3.95	43	22738	298.603	ug/l	96
17) Carbon Disulfide	4.19	76	43069	35.007	ug/l	97
18) Methyl Acetate	4.48	43	22163	75.863	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	55390	57.000	ug/l	97
20) Methylene Chloride	4.72	84	23585	52.621	ug/l #	80
21) trans-1,2-Dichloroethene	5.23	96	19789	47.426	ug/l	86
22) Diisopropyl ether	6.13	45	63291	53.535	ug/l	98
23) Vinyl Acetate	6.07	43	157376	210.782	ug/l #	92
24) 1,1-Dichloroethane	6.04	63	34992	50.086	ug/l	98
25) 2-Butanone	7.00	43	39758	297.207	ug/l	99
26) 2,2-Dichloropropane	7.00	77	25405	44.260	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	23592	51.464	ug/l	98
28) Bromochloromethane	7.34	49	17275	63.373	ug/l	99
29) Tetrahydrofuran	7.36	42	26447	277.934	ug/l	95
30) Chloroform	7.52	83	34271	51.877	ug/l	95
31) Cyclohexane	7.79	56	28142	38.307	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	25517	45.280	ug/l	92
36) 1,1-Dichloropropene	7.93	75	25422	43.152	ug/l	97
37) Ethyl Acetate	7.08	43	14139	43.344	ug/l #	89
38) Carbon Tetrachloride	7.91	117	23336	45.211	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	29508	37.718	ug/l	93
40) Benzene	8.17	78	83390	46.919	ug/l	97
41) Methacrylonitrile	7.35	41	22859	161.630	ug/l #	100
42) 1,2-Dichloroethane	8.25	62	22004	51.783	ug/l	100
43) Isopropyl Acetate	8.28	43	28873	47.814	ug/l	95
44) Trichloroethene	8.94	130	21581	46.085	ug/l	100
45) 1,2-Dichloropropane	9.22	63	21934	49.194	ug/l	91
46) Dibromomethane	9.31	93	12375	53.842	ug/l	98
47) Bromodichloromethane	9.50	83	26091	49.007	ug/l #	98
48) Methyl methacrylate	9.30	41	13178	51.139	ug/l	91
49) 1,4-Dioxane	9.30	88	4833	1437.457	ug/l	90
51) 4-Methyl-2-Pentanone	10.07	43	80663	256.284	ug/l	99
52) Toluene	10.25	92	51786	47.340	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	26142	45.244	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	31513	45.357	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	19741	57.533	ug/l	88
56) Ethyl methacrylate	10.51	69	22034	45.119	ug/l	97
57) 1,3-Dichloropropane	10.79	76	33173	55.156	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	41548	220.275	ug/l	99
59) 2-Hexanone	10.83	43	50377	231.318	ug/l	96
60) Dibromochloromethane	10.99	129	18243	49.774	ug/l	99
61) 1,2-Dibromoethane	11.09	107	17766	54.145	ug/l	98
64) Tetrachloroethene	10.72	164	25388	52.250	ug/l	95
65) Chlorobenzene	11.52	112	54657	46.921	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	18779	48.851	ug/l	96
67) Ethyl Benzene	11.59	91	95500	45.580	ug/l	99
68) m/p-Xylenes	11.70	106	70212	88.256	ug/l	100
69) o-Xylene	12.03	106	35686	47.681	ug/l	98
70) Styrene	12.04	104	58026	45.597	ug/l	99
71) Bromoform	12.20	173	10790	50.410	ug/l #	94
73) Isopropylbenzene	12.33	105	86468	43.874	ug/l	97
74) N-amyl acetate	12.14	43	18872	36.450	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	20602	53.063	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	25357	80.763	ug/l #	100
77) Bromobenzene	12.61	156	21374	48.221	ug/l	97
78) n-propylbenzene	12.67	91	104031	43.320	ug/l	99
79) 2-Chlorotoluene	12.75	91	59064	44.536	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	70599	43.702	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	4560	30.976	ug/l	85
82) 4-Chlorotoluene	12.85	91	61954	44.976	ug/l	98
83) tert-Butylbenzene	13.07	119	57023	42.050	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	73089	45.023	ug/l	98
85) sec-Butylbenzene	13.25	105	83493	41.764	ug/l	98
86) p-Isopropyltoluene	13.36	119	73319	42.384	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	39793	46.744	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	38569	44.912	ug/l	99
89) n-Butylbenzene	13.69	91	70483	40.497	ug/l	98
90) Hexachloroethane	13.95	117	12225	37.510	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	37507	47.763	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2957	45.522	ug/l	90

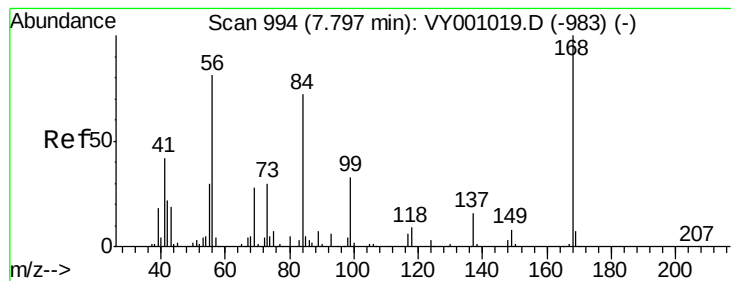
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QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	21121	39.847	ug/l	99
94) Hexachlorobutadiene	15.11	225	7772	30.813	ug/l	96
95) Naphthalene	15.23	128	50476	40.493	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	18957	40.104	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

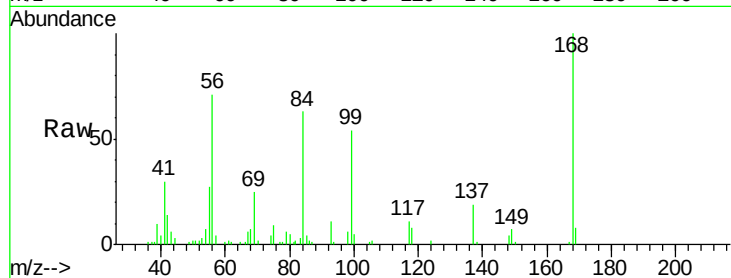
LIED-BF001-01MS

Tgt Ion:168 Resp: 33514

Ion Ratio Lower Upper

168 100

99 53.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001102.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY001102.D (-945) (-)

7.80

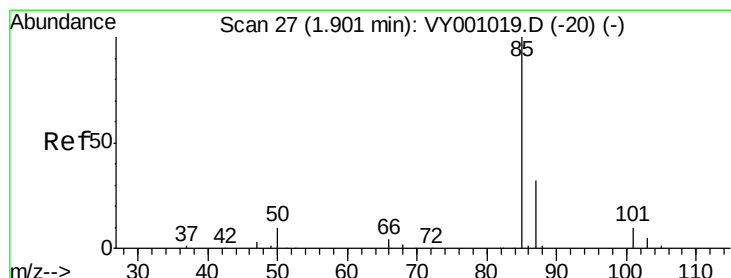
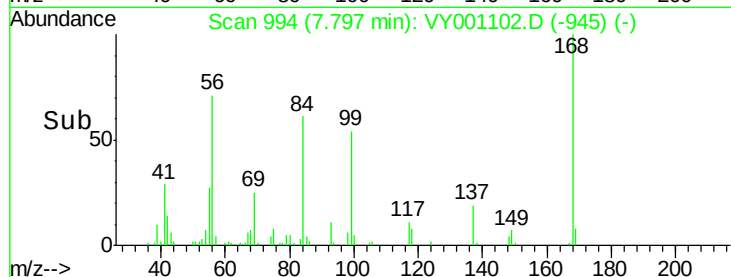
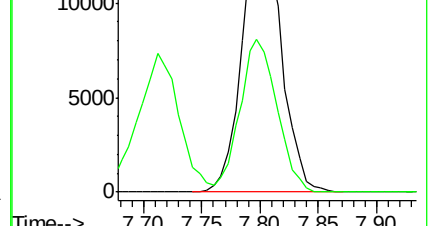
15000

10000

5000

0

7.70 7.75 7.80 7.85 7.90



#2

Dichlorodifluoromethane

Concen: 43.591 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001102.D

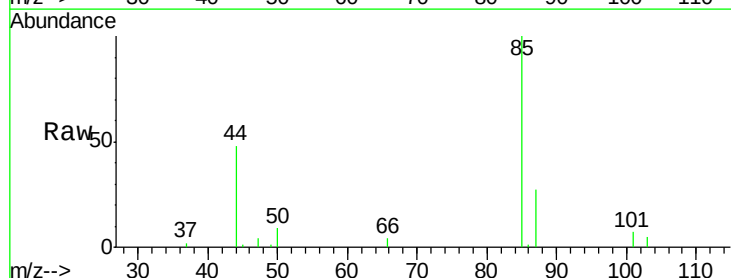
Acq: 27 Dec 2019 16:50

Tgt Ion: 85 Resp: 12730

Ion Ratio Lower Upper

85 100

87 27.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY001102.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001102.D (-1) (-)

12000

10000

8000

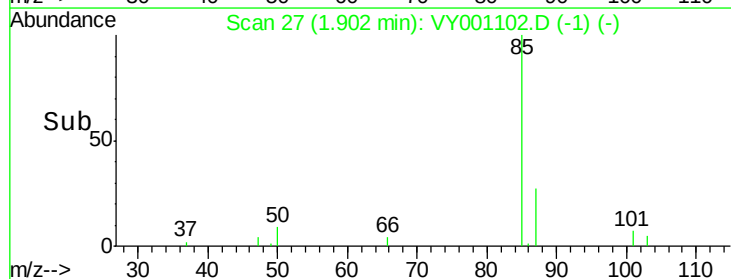
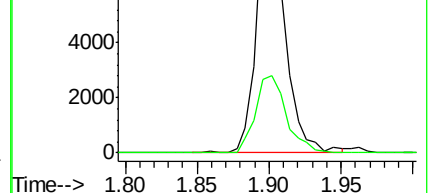
6000

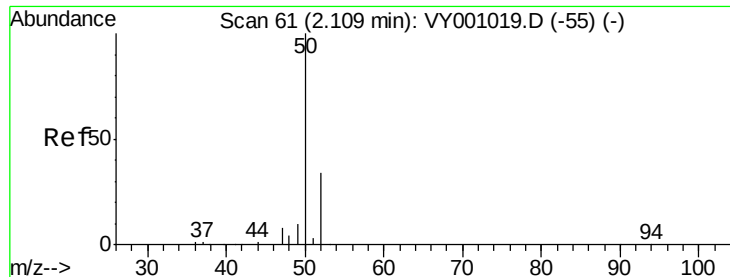
4000

2000

0

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 38.789 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

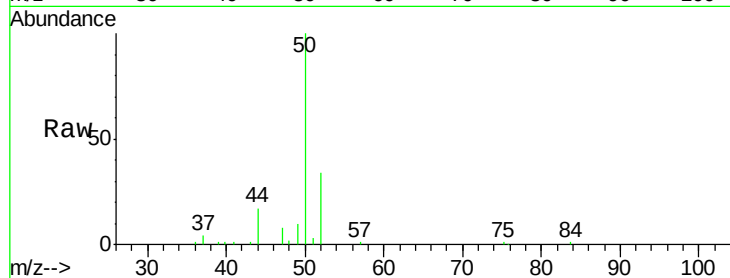
LIED-BF001-01MS

Tgt Ion: 50 Resp: 15417

Ion Ratio Lower Upper

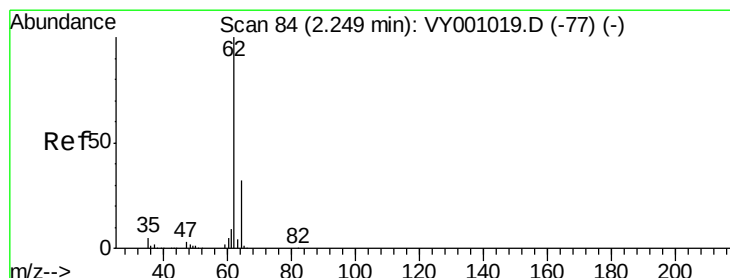
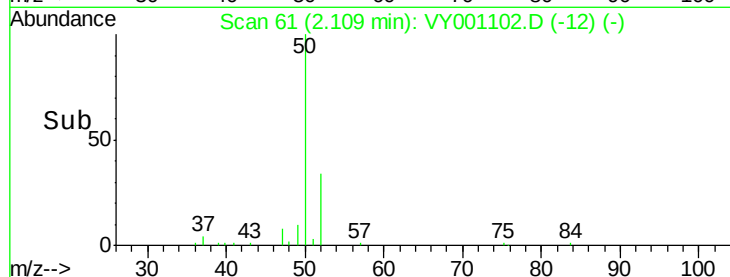
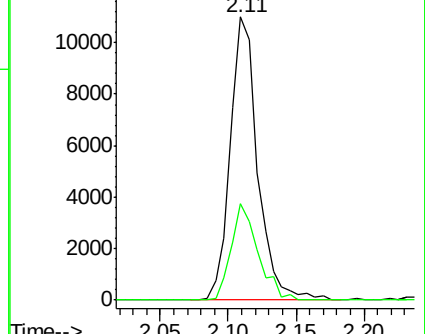
50 100

52 34.0 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 37.592 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY001102.D

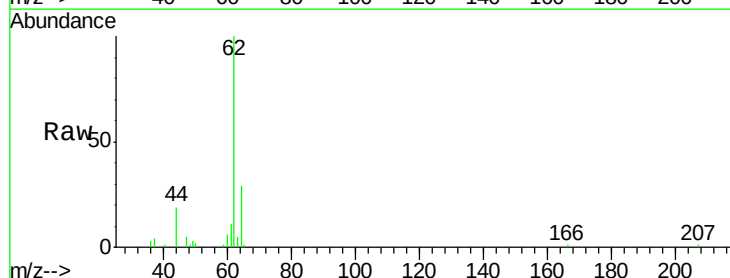
Acq: 27 Dec 2019 16:50

Tgt Ion: 62 Resp: 14510

Ion Ratio Lower Upper

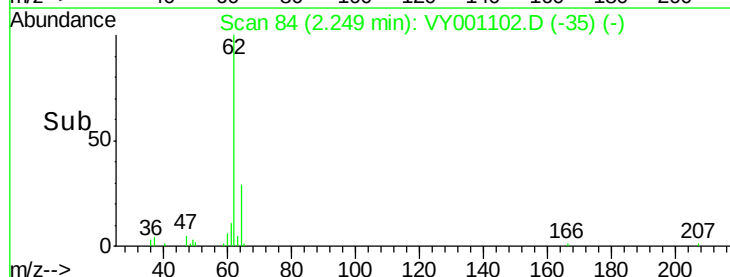
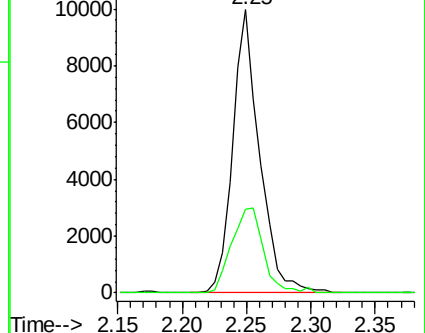
62 100

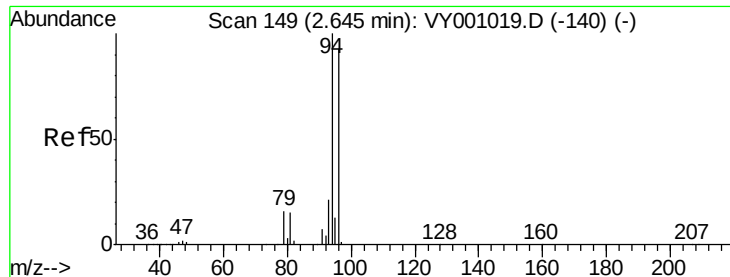
64 29.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 37.404 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

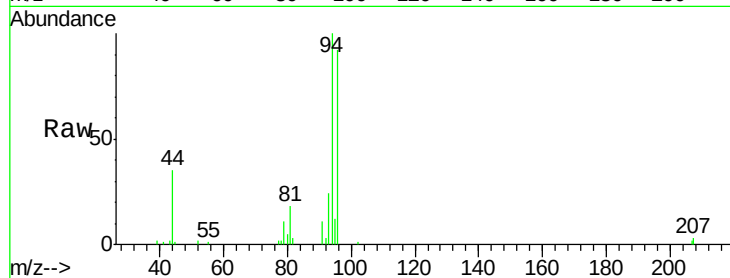
LIED-BF001-01MS

Tgt Ion: 94 Resp: 9304

Ion Ratio Lower Upper

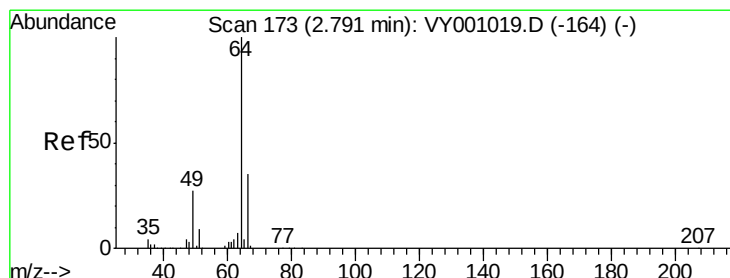
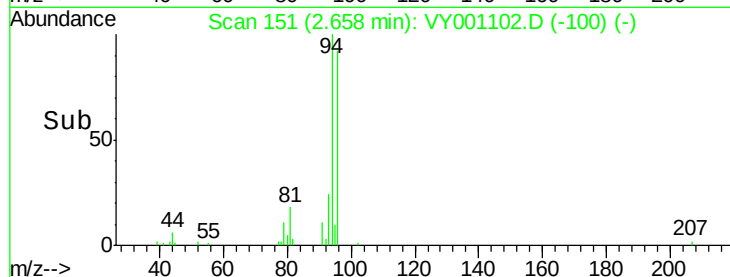
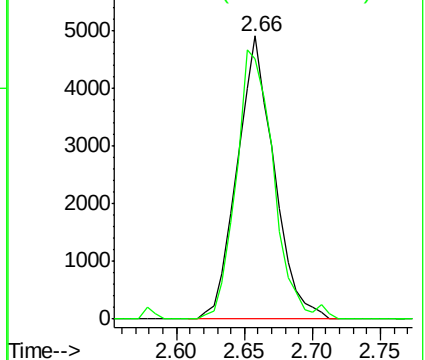
94 100

96 92.0 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 41.180 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY001102.D

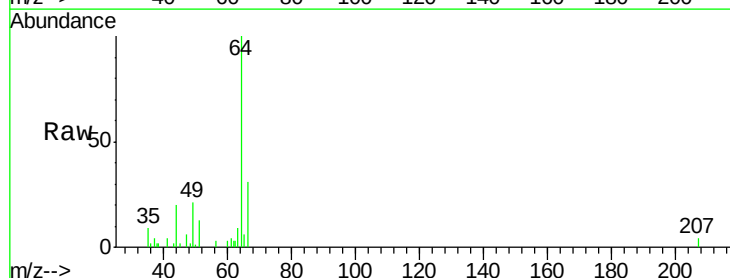
Acq: 27 Dec 2019 16:50

Tgt Ion: 64 Resp: 9900

Ion Ratio Lower Upper

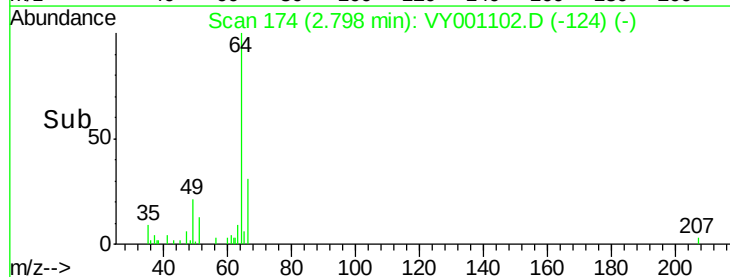
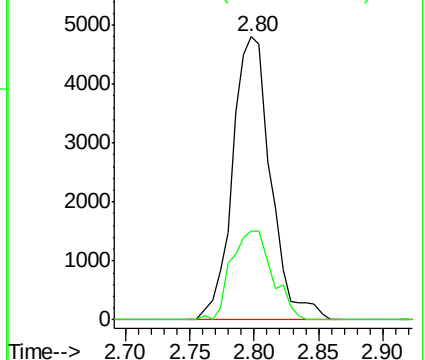
64 100

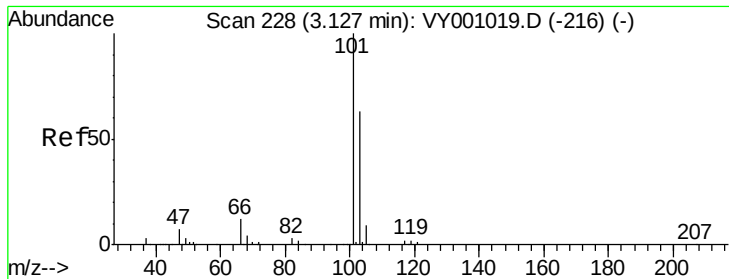
66 31.3 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



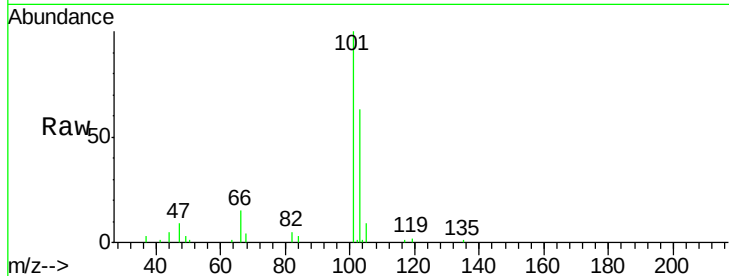


#7

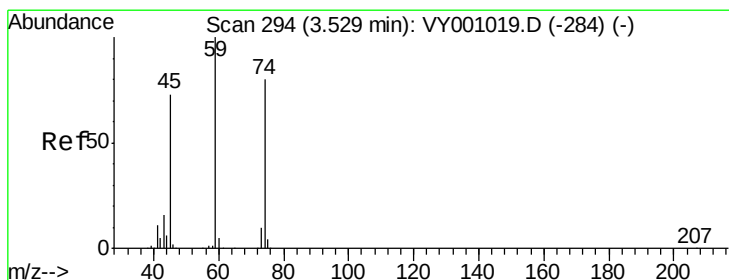
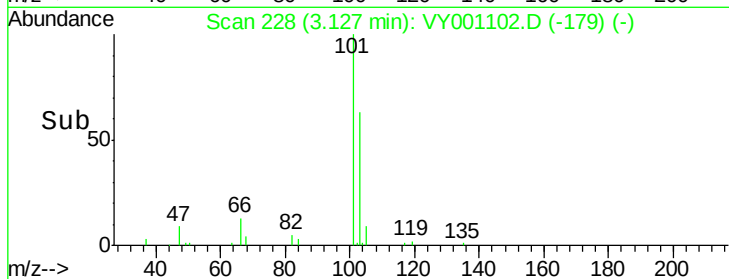
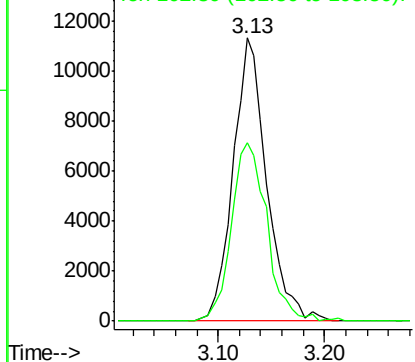
Trichlorofluoromethane
Concen: 44.159 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Instrument :
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ClientSampleId :
LIED-BF001-01MS

Tgt Ion:101 Resp: 25000
Ion Ratio Lower Upper
101 100
103 63.1 50.2 75.2



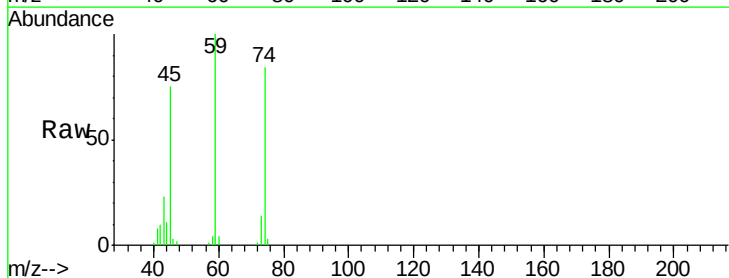
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



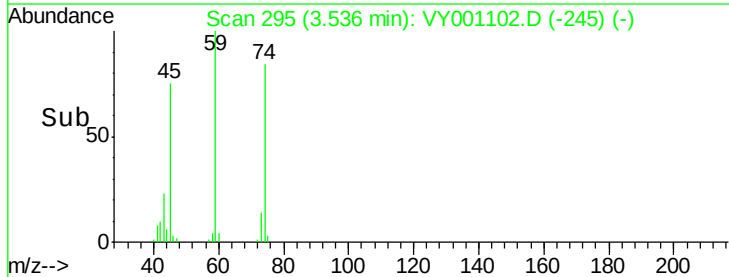
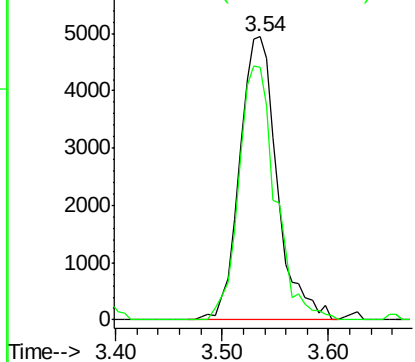
#8

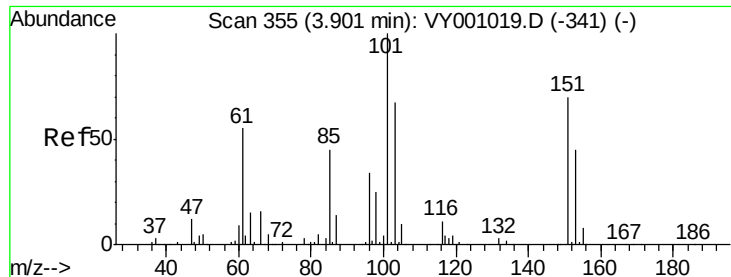
Diethyl Ether
Concen: 52.791 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 74 Resp: 12200
Ion Ratio Lower Upper
74 100
45 88.1 46.4 139.2



Abundance Ion 74.00 (73.70 to 74.70): VY0
Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.031 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

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LIED-BF001-01MS

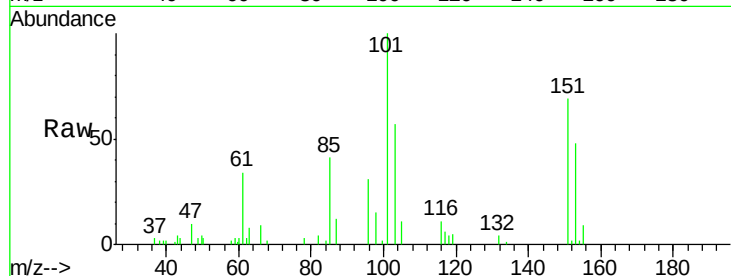
Tgt Ion:101 Resp: 17862

Ion Ratio Lower Upper

101 100

85 44.8 34.2 51.2

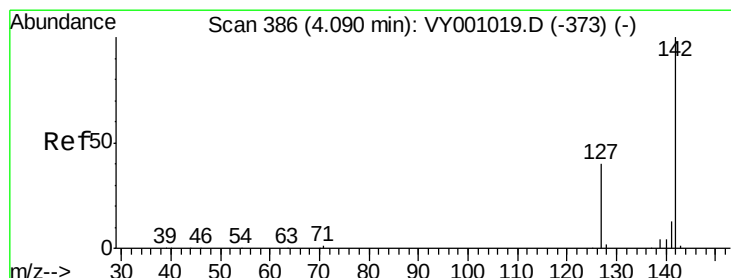
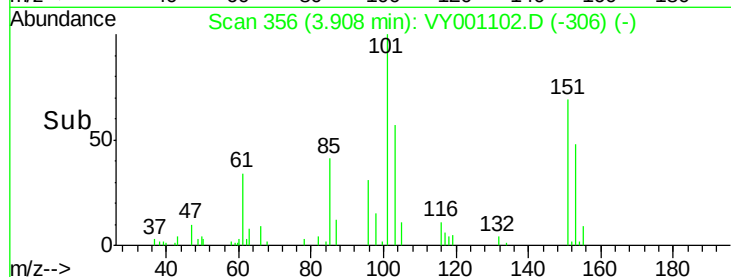
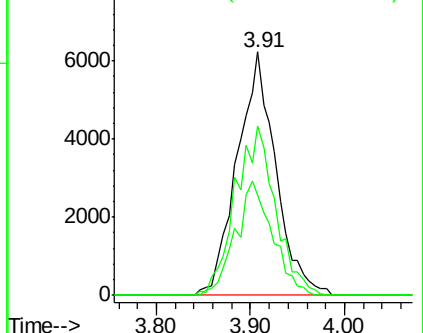
151 72.1 57.0 85.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.176 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.01 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

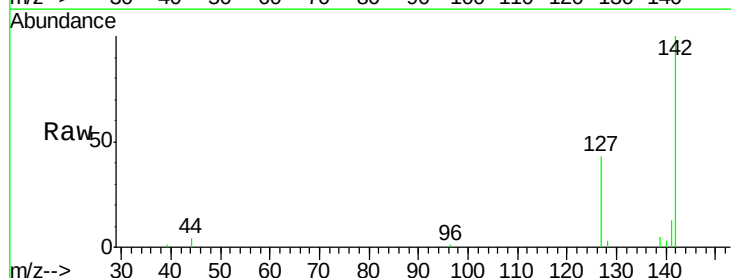
Tgt Ion:142 Resp: 21157

Ion Ratio Lower Upper

142 100

127 39.1 31.2 46.8

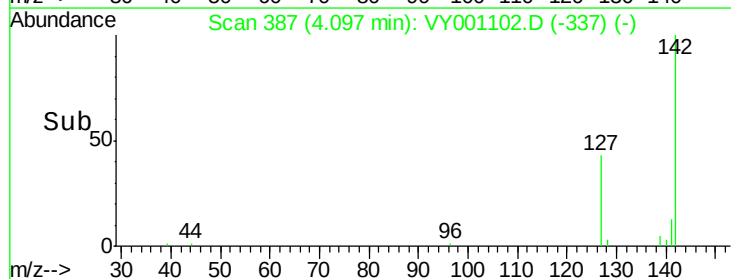
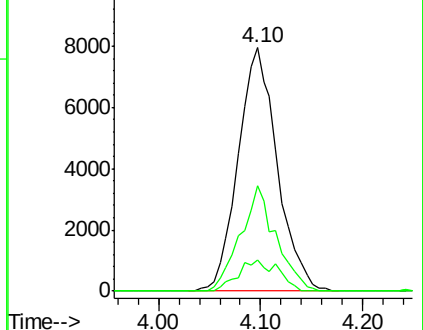
141 12.8 11.0 16.4

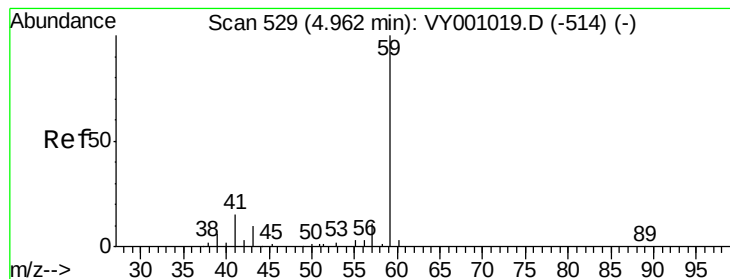


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



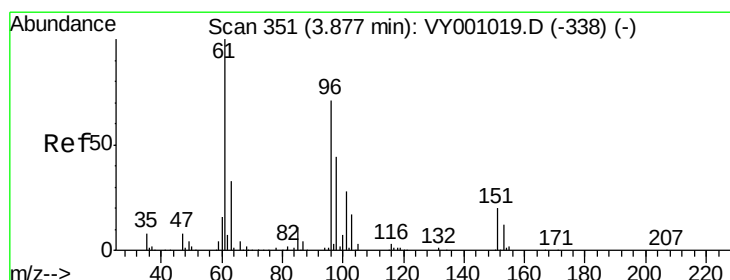
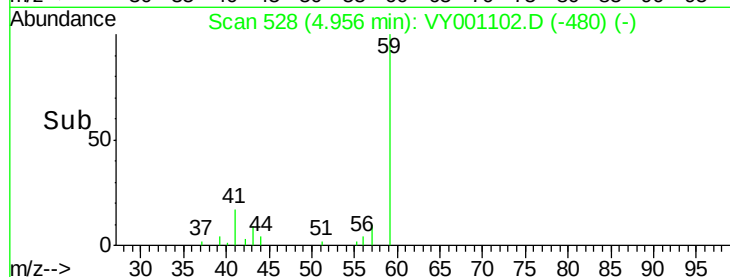
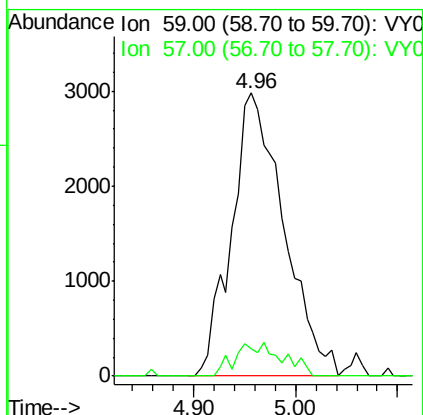
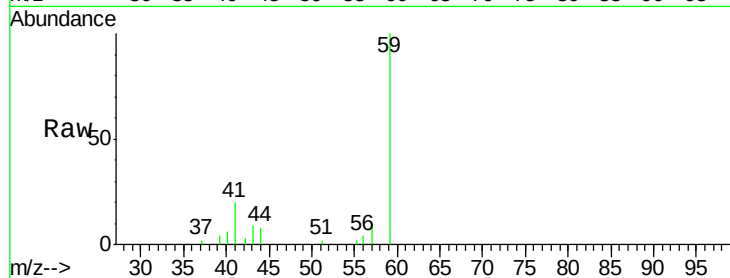


#11

Tert butyl alcohol
 Concen: 292.125 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MS

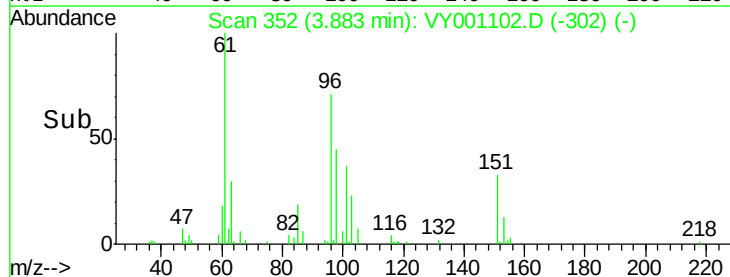
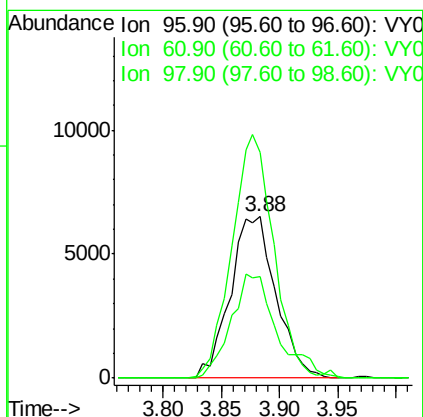
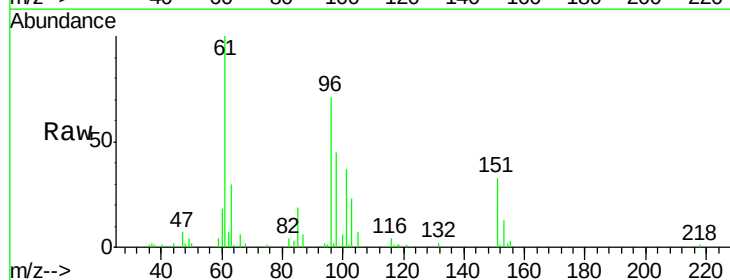
Tgt Ion: 59 Resp: 10617
 Ion Ratio Lower Upper
 59 100
 57 5.3 7.8 11.6#

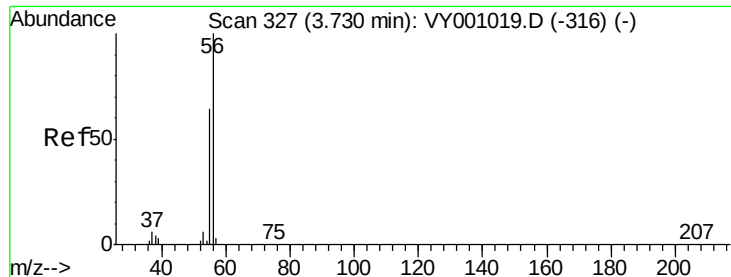


#12

1,1-Dichloroethene
 Concen: 47.115 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

Tgt Ion: 96 Resp: 17739
 Ion Ratio Lower Upper
 96 100
 61 139.9 113.0 169.4
 98 63.1 49.8 74.8





#13

Acrolein

Concen: 286.622 ug/l

RT: 3.73 min Scan# 327

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

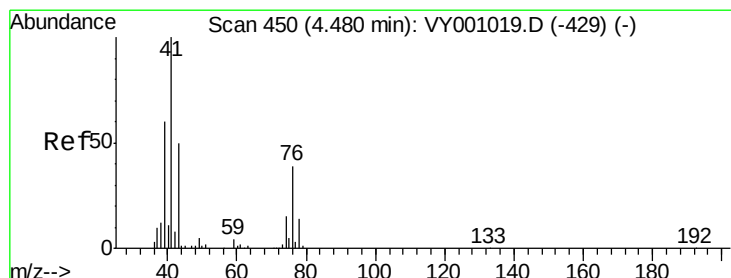
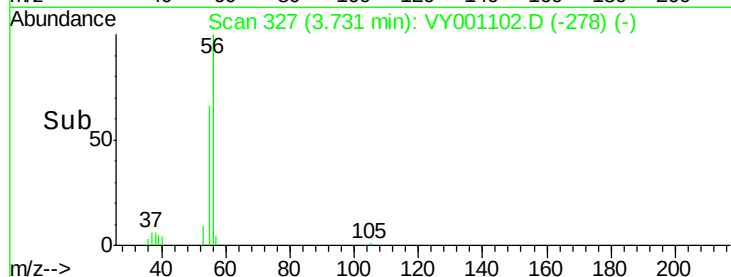
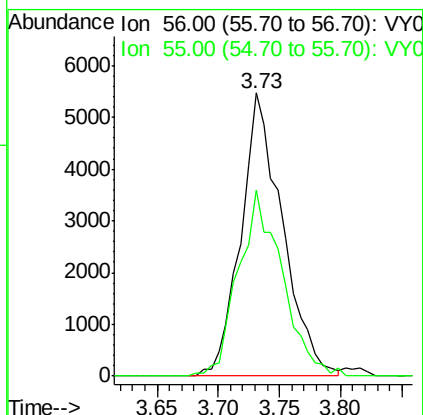
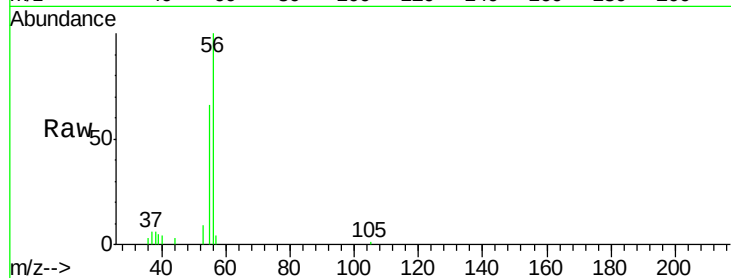
LIED-BF001-01MS

Tgt Ion: 56 Resp: 12907

Ion Ratio Lower Upper

56 100

55 69.1 55.6 83.4



#14

Allyl chloride

Concen: 47.279 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

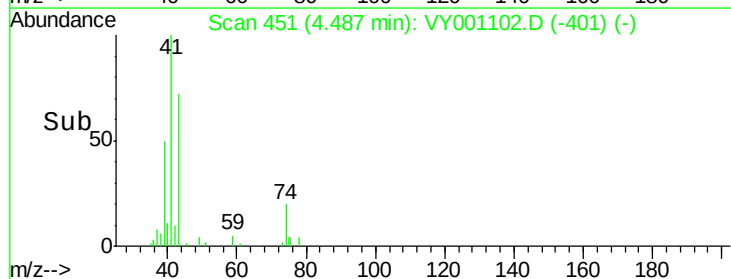
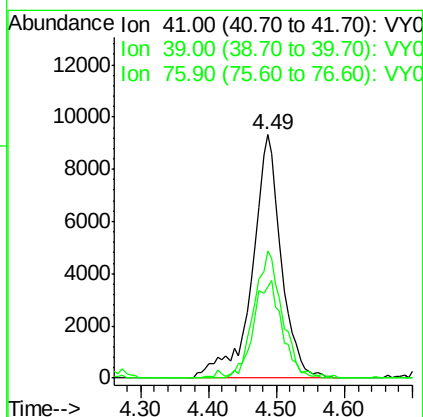
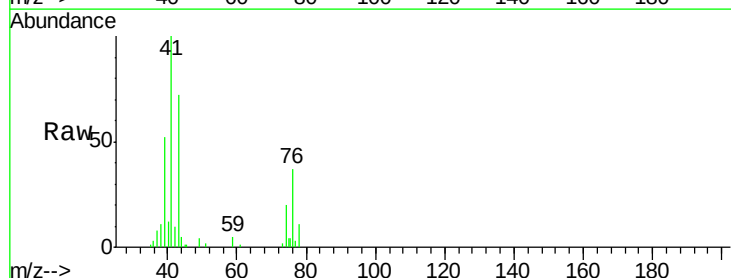
Tgt Ion: 41 Resp: 27653

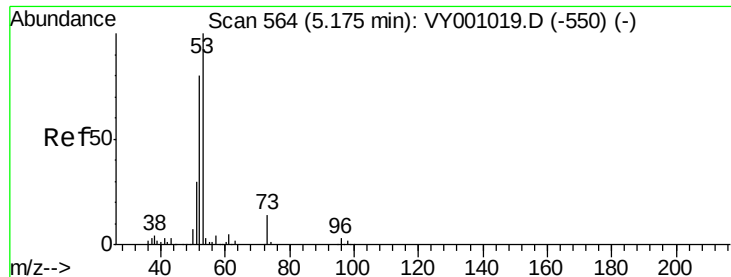
Ion Ratio Lower Upper

41 100

39 50.2 46.0 69.0

76 39.3 32.6 48.8





#15

Acrylonitrile

Concen: 292.960 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MS

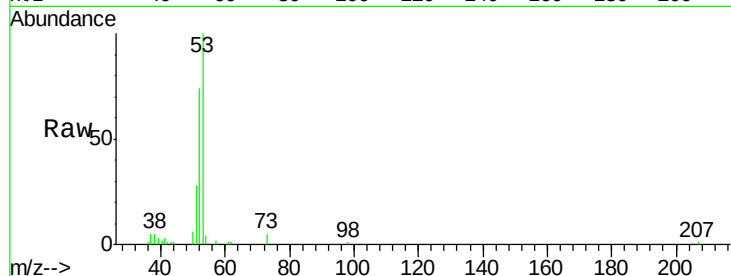
Tgt Ion: 53 Resp: 33836

Ion Ratio Lower Upper

53 100

52 81.1 63.6 95.4

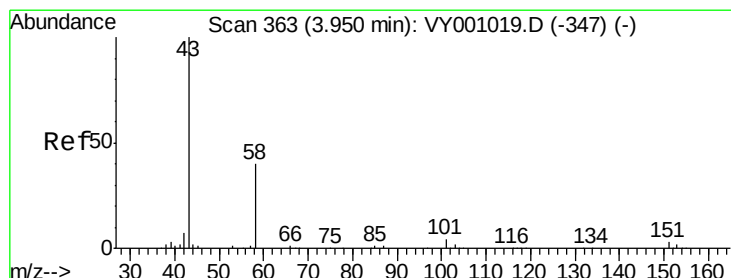
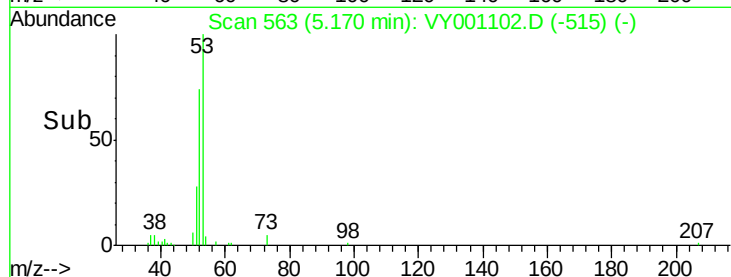
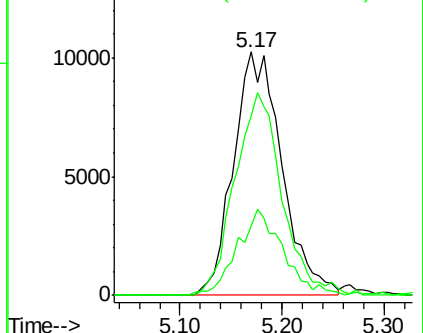
51 33.2 26.7 40.1



Abundance Ion 53.00 (52.70 to 53.70): VY001019.D (-550) (-)

Ion 52.00 (51.70 to 52.70): VY001019.D (-550) (-)

Ion 51.00 (50.70 to 51.70): VY001019.D (-550) (-)



#16

Acetone

Concen: 298.603 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY001102.D

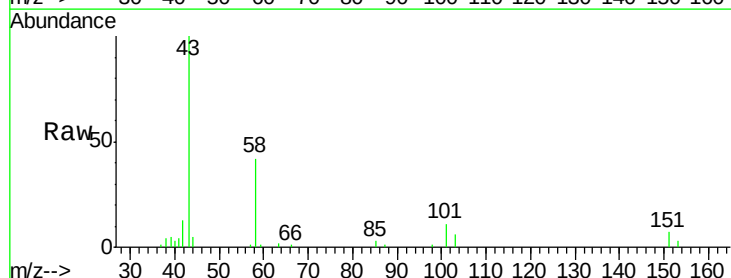
Acq: 27 Dec 2019 16:50

Tgt Ion: 43 Resp: 22738

Ion Ratio Lower Upper

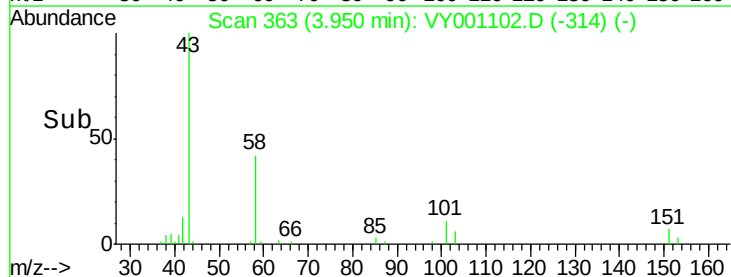
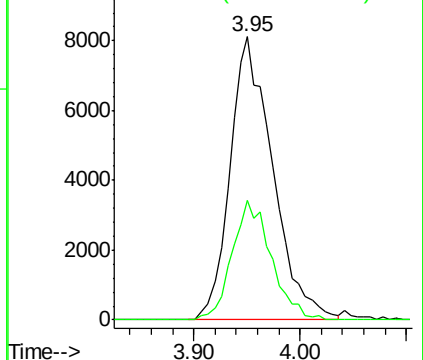
43 100

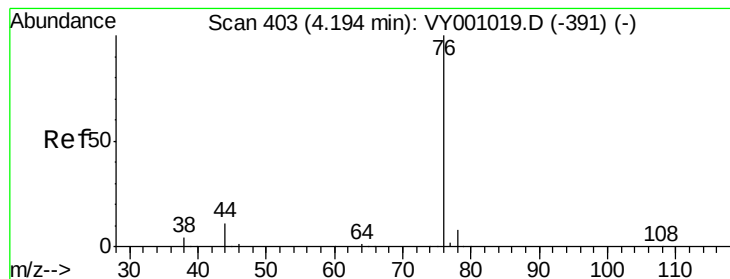
58 42.4 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-347) (-)





#17

Carbon Disulfide

Concen: 35.007 ug/l

RT: 4.19 min Scan# 403

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

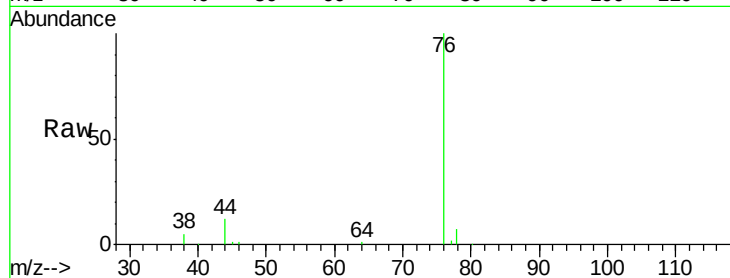
LIED-BF001-01MS

Tgt Ion: 76 Resp: 43069

Ion Ratio Lower Upper

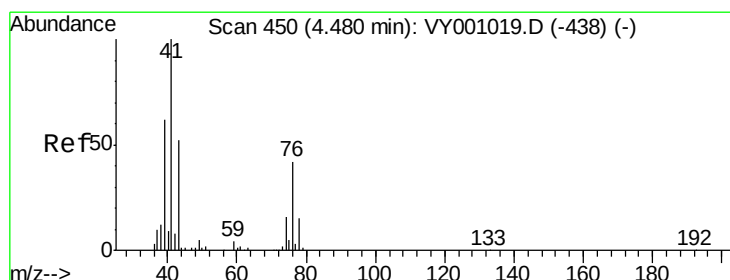
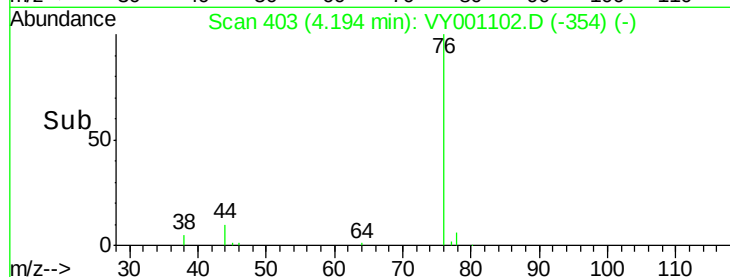
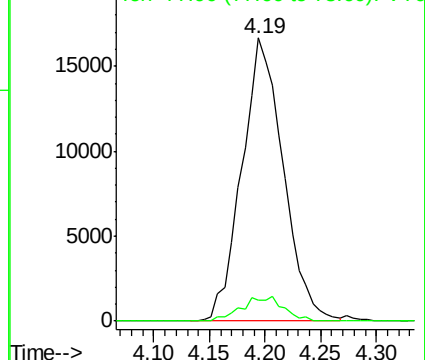
76 100

78 7.3 6.7 10.1



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 75.863 ug/l

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY001102.D

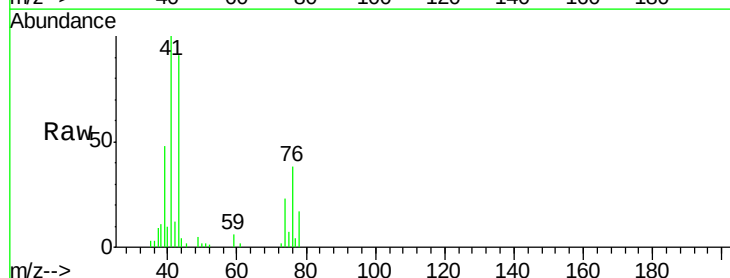
Acq: 27 Dec 2019 16:50

Tgt Ion: 43 Resp: 22163

Ion Ratio Lower Upper

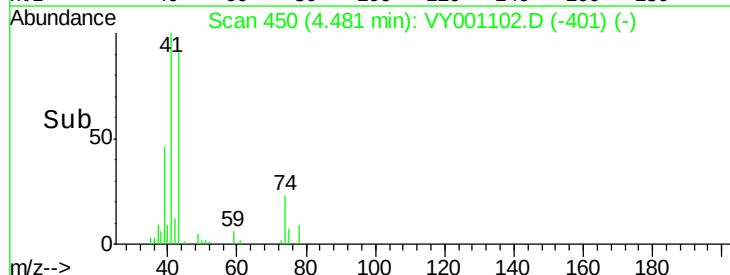
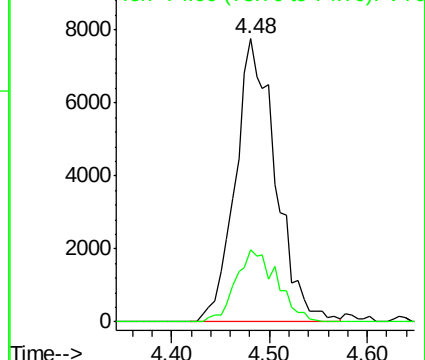
43 100

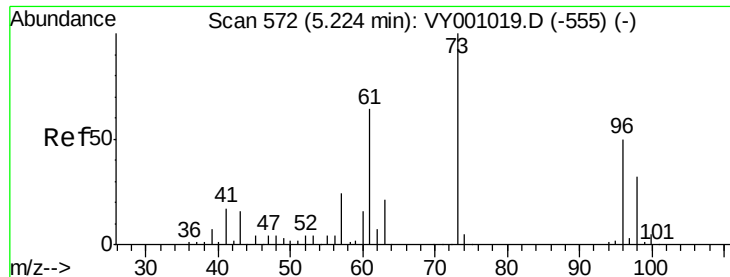
74 26.3 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

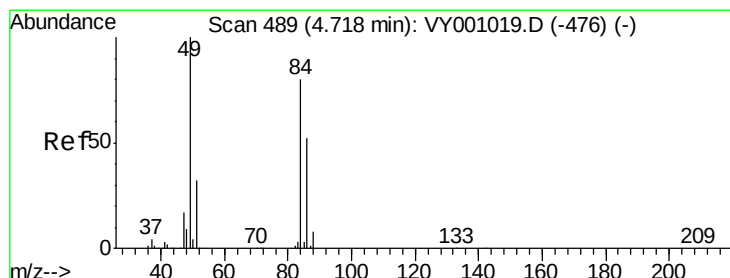
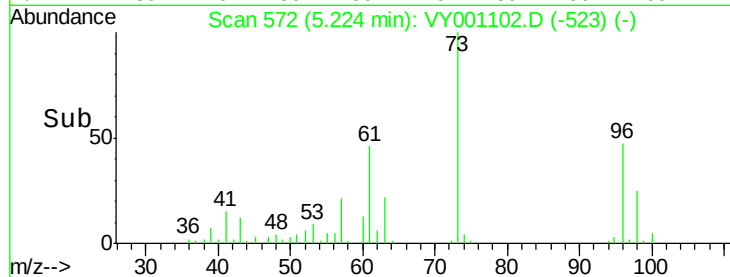
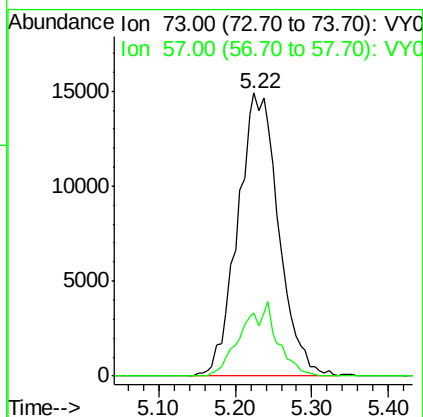
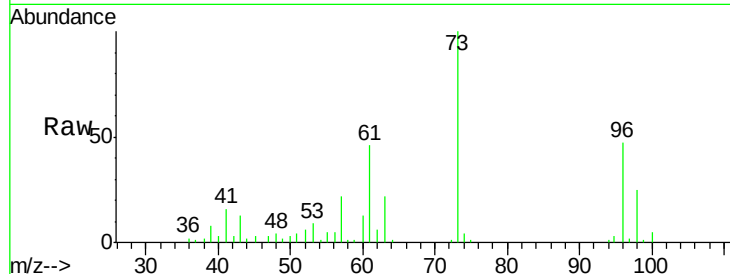




#19
Methyl tert-butyl Ether
Concen: 57.000 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

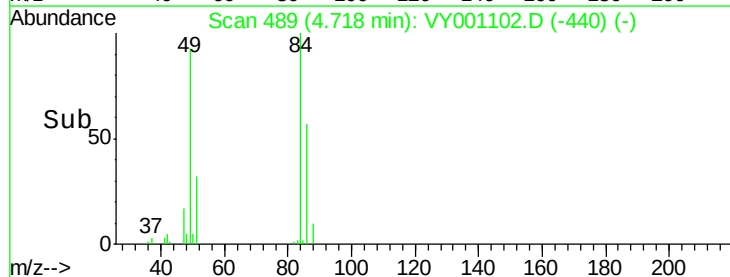
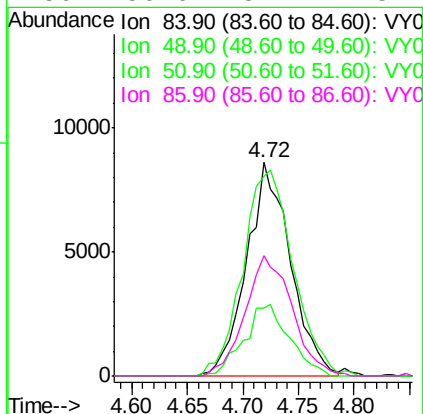
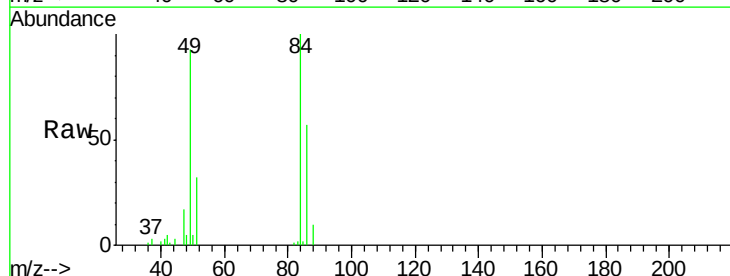
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MS

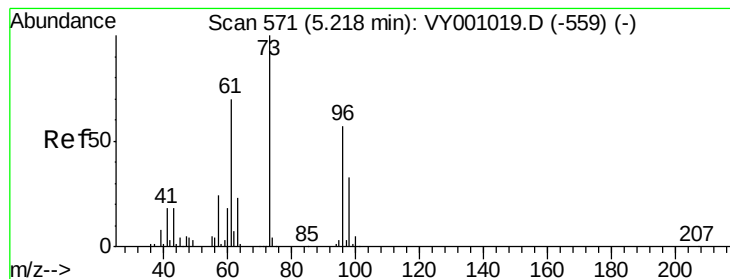
Tgt Ion: 73 Resp: 55390
Ion Ratio Lower Upper
73 100
57 22.1 19.0 28.6



#20
Methylene Chloride
Concen: 52.621 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 84 Resp: 23585
Ion Ratio Lower Upper
84 100
49 93.4 99.8 149.6#
51 31.8 31.4 47.2
86 56.6 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 47.426 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MS

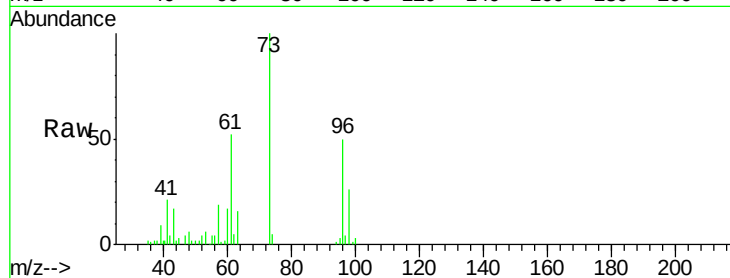
Tgt Ion: 96 Resp: 19789

Ion Ratio Lower Upper

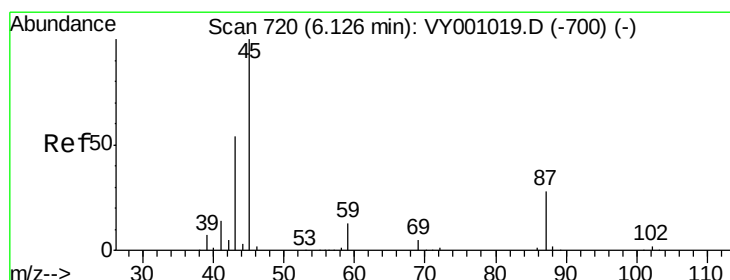
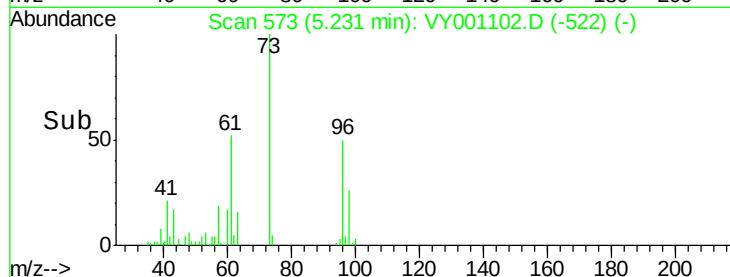
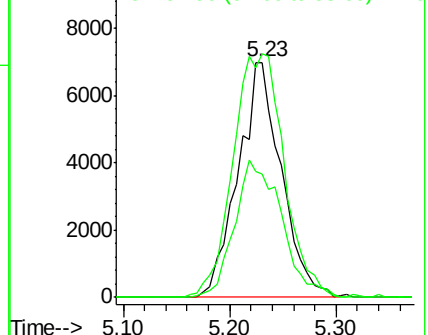
96 100

61 103.7 98.1 147.1

98 52.3 47.2 70.8



Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 53.535 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Tgt Ion: 45 Resp: 63291

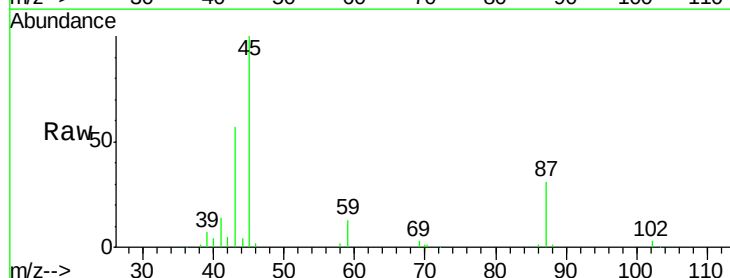
Ion Ratio Lower Upper

45 100

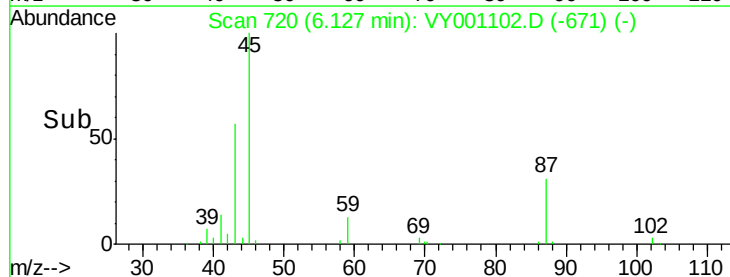
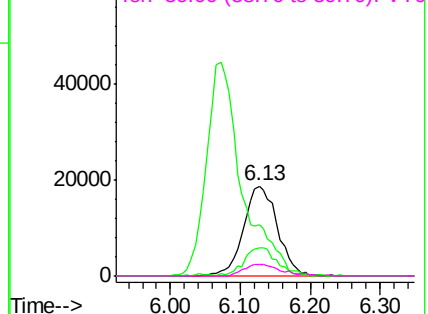
43 56.2 43.6 65.4

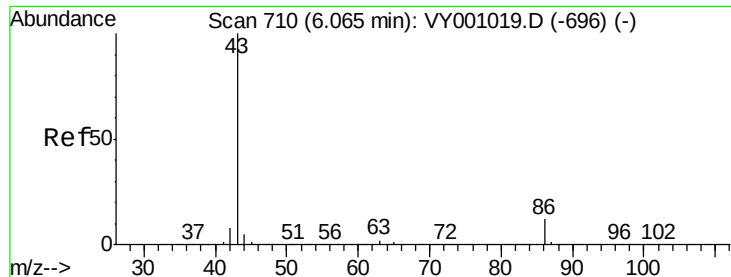
87 30.9 23.1 34.7

59 12.6 10.2 15.4



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 210.782 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

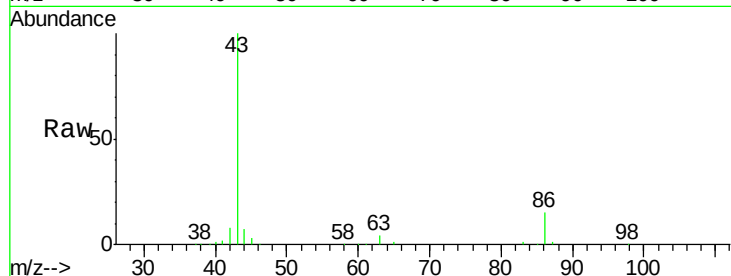
LIED-BF001-01MS

Tgt Ion: 43 Resp: 157376

Ion Ratio Lower Upper

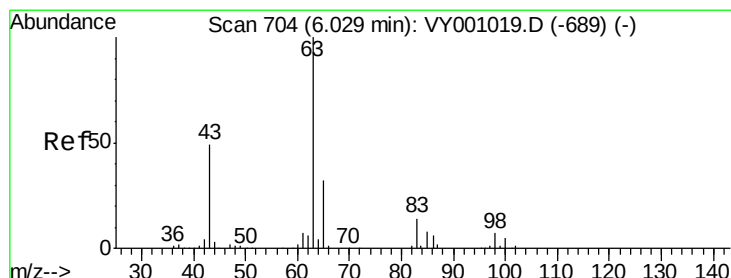
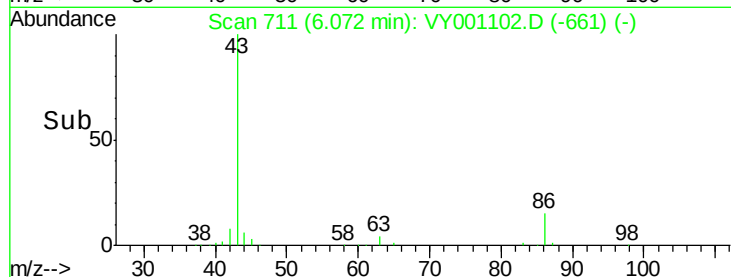
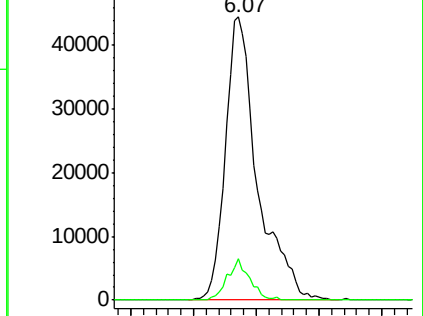
43 100

86 14.8 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 50.086 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

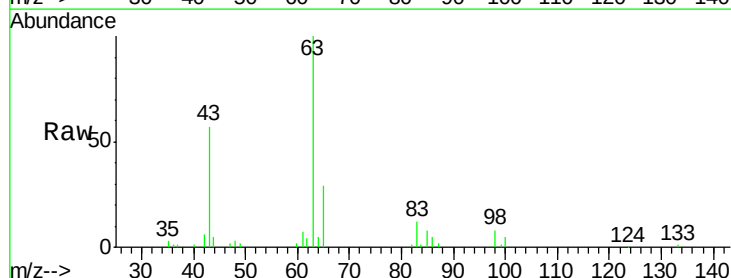
Tgt Ion: 63 Resp: 34992

Ion Ratio Lower Upper

63 100

98 8.2 3.8 11.2

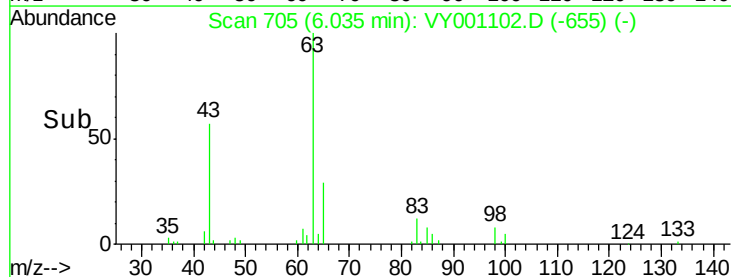
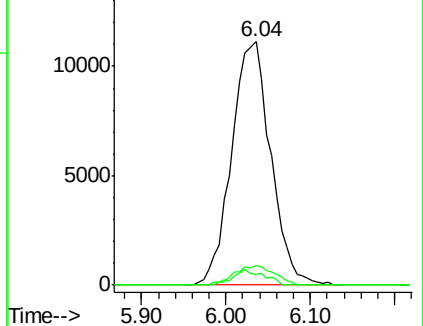
100 4.5 2.5 7.5

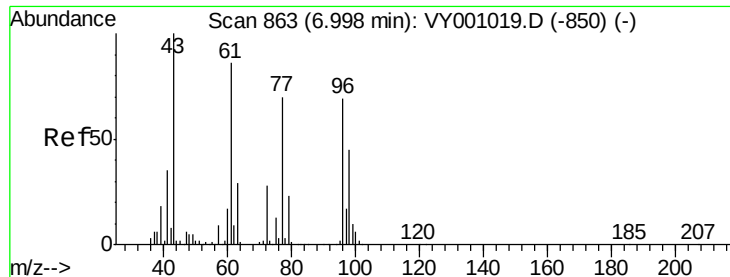


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 297.207 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

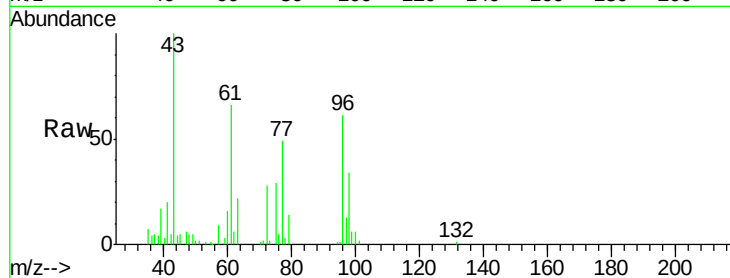
LIED-BF001-01MS

Tgt Ion: 43 Resp: 39758

Ion Ratio Lower Upper

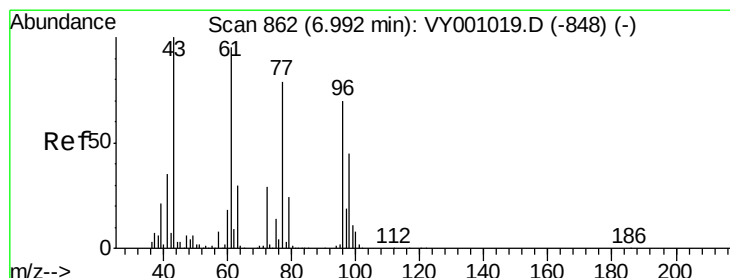
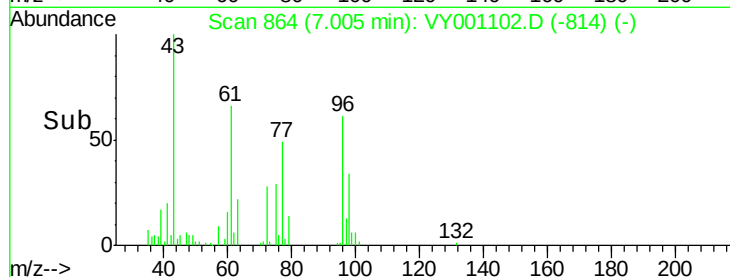
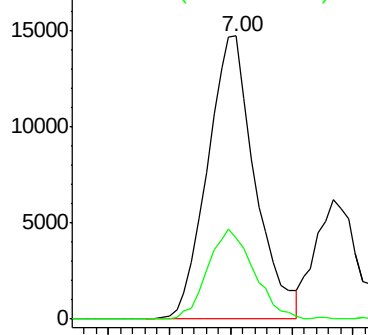
43 100

72 28.5 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 44.260 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY001102.D

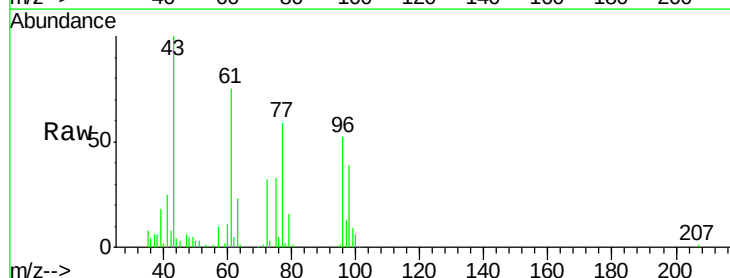
Acq: 27 Dec 2019 16:50

Tgt Ion: 77 Resp: 25405

Ion Ratio Lower Upper

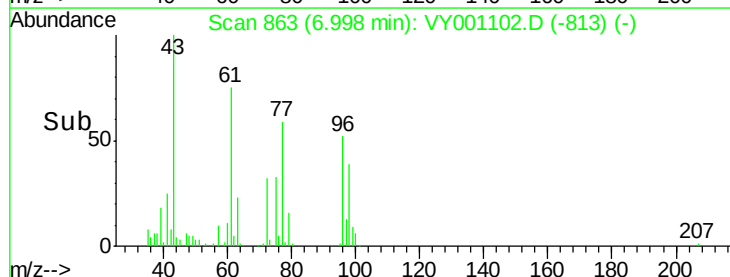
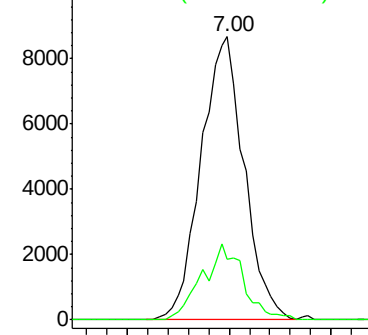
77 100

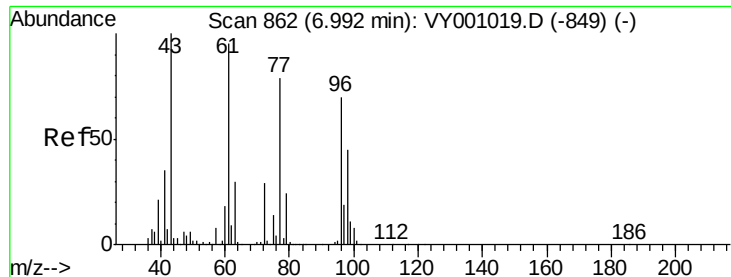
97 25.8 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



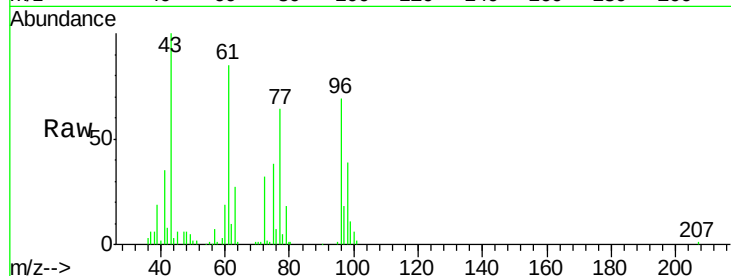


#27

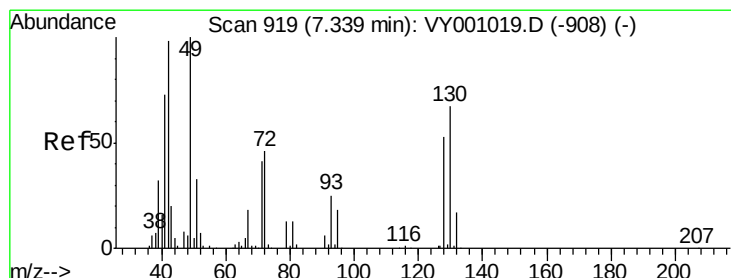
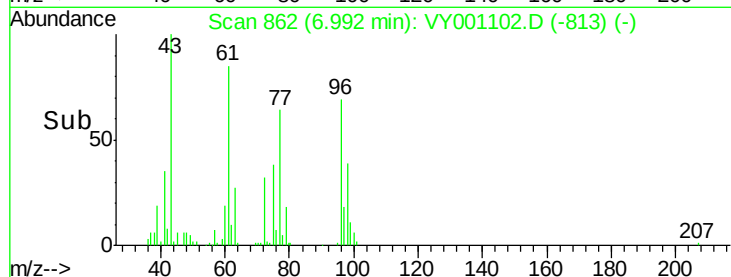
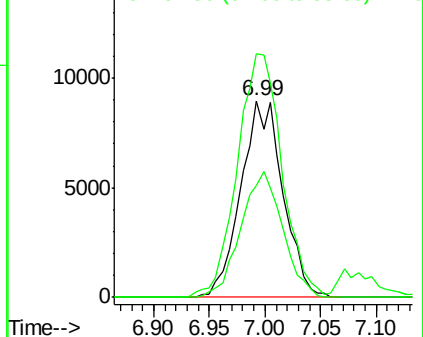
cis-1,2-Dichloroethene
Concen: 51.464 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MS

Tgt Ion: 96 Resp: 23592
Ion Ratio Lower Upper
96 100
61 131.8 0.0 268.2
98 63.6 0.0 129.2



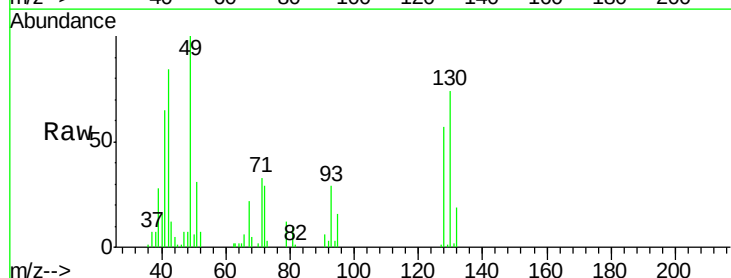
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



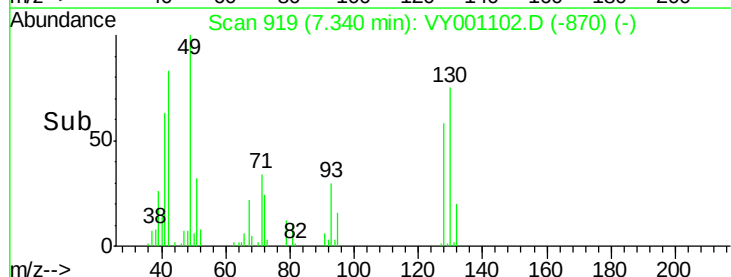
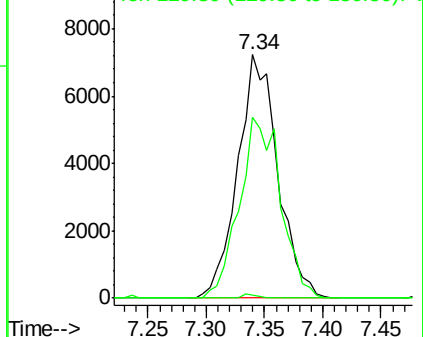
#28

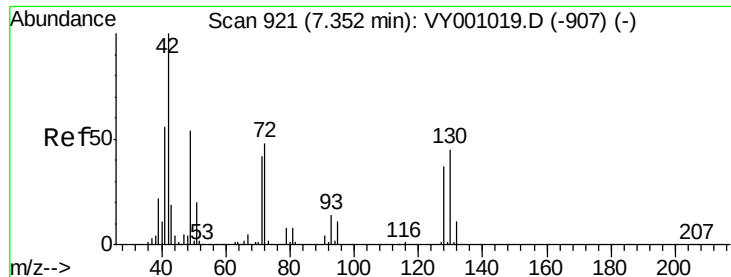
Bromochloromethane
Concen: 63.373 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 49 Resp: 17275
Ion Ratio Lower Upper
49 100
129 0.6 0.0 3.8
130 76.7 60.4 90.6



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

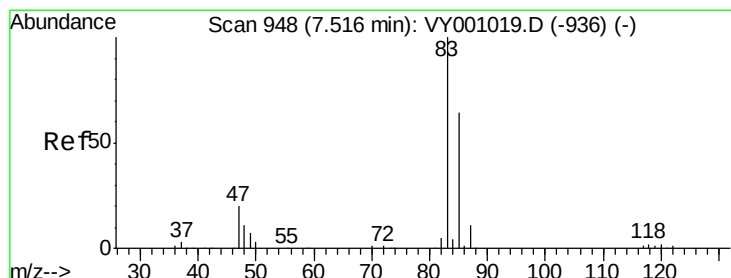
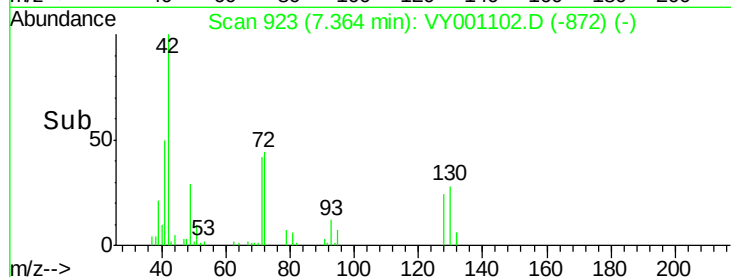
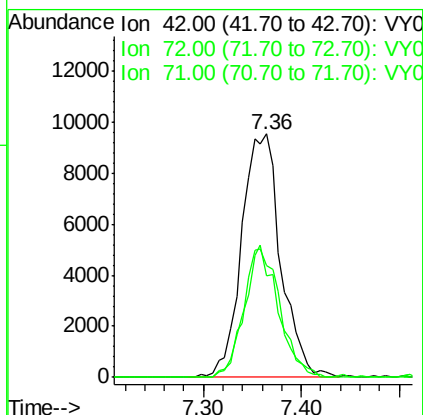
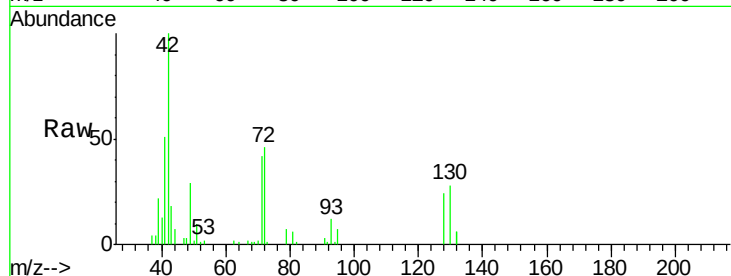




#29
Tetrahydrofuran
Concen: 277.934 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

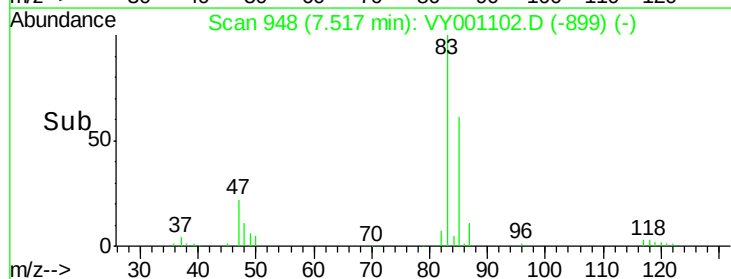
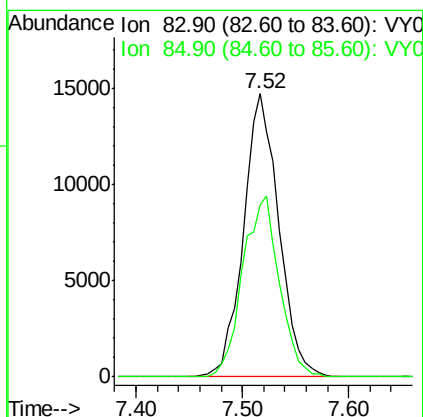
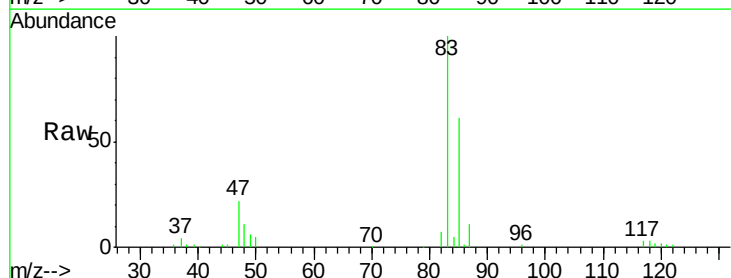
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MS

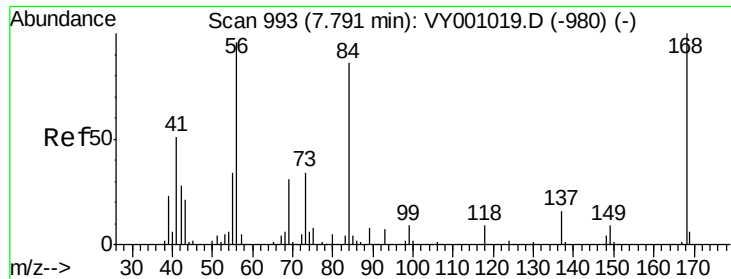
Tgt Ion: 42 Resp: 26447
Ion Ratio Lower Upper
42 100
72 49.5 37.7 56.5
71 47.0 34.6 51.8



#30
Chloroform
Concen: 51.877 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 83 Resp: 34271
Ion Ratio Lower Upper
83 100
85 60.7 51.6 77.4

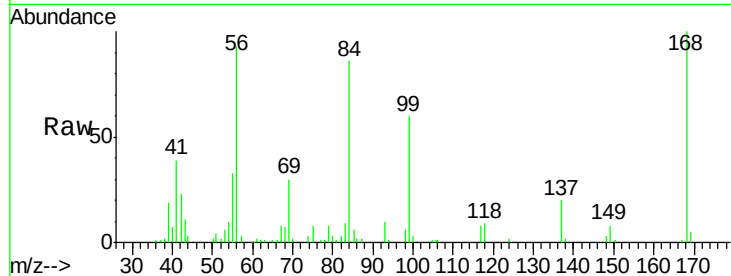




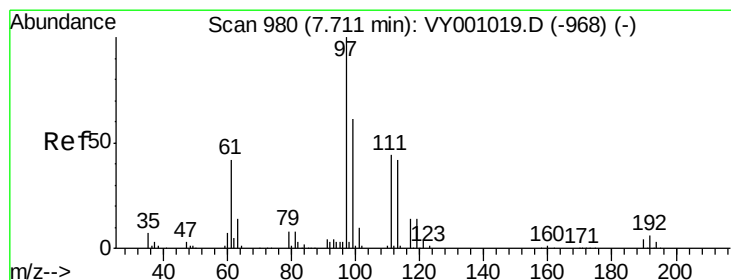
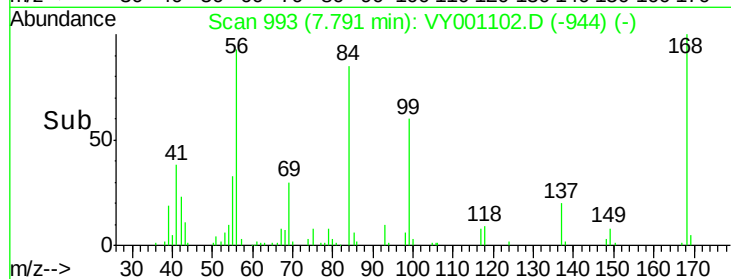
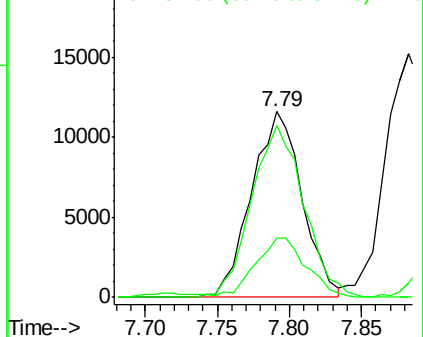
#31
Cyclohexane
Concen: 38.307 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MS

Tgt Ion: 56 Resp: 28142
Ion Ratio Lower Upper
56 100
69 32.1 26.1 39.1
84 91.0 71.8 107.8

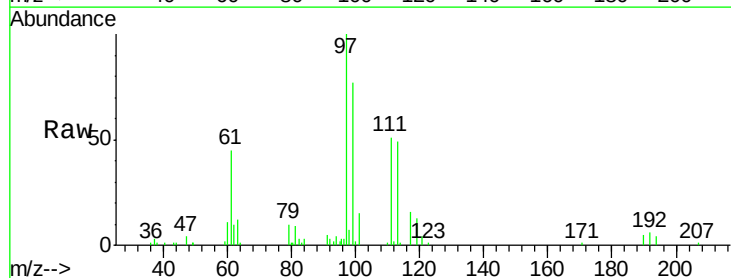


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

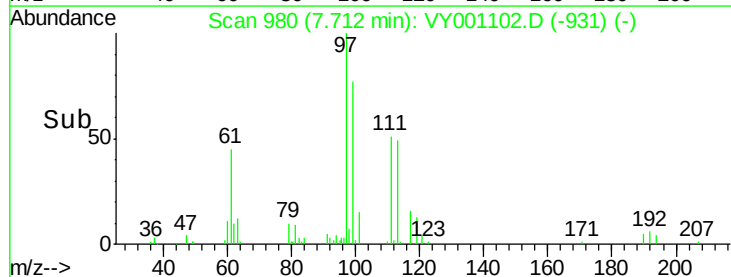
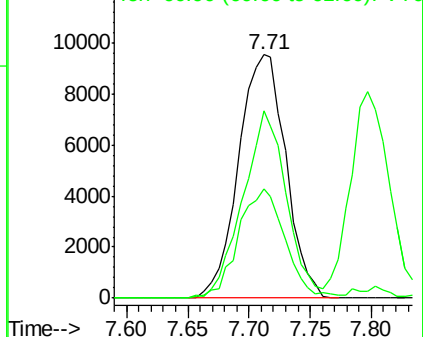


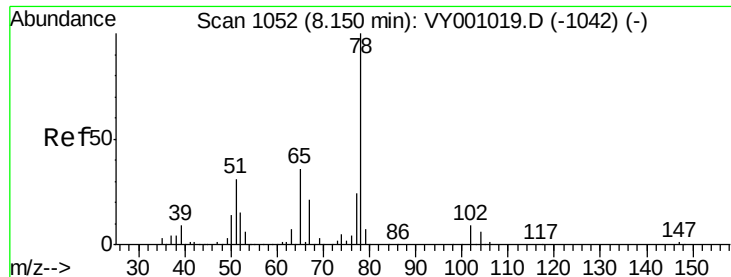
#32
1,1,1-Trichloroethane
Concen: 45.280 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 97 Resp: 25517
Ion Ratio Lower Upper
97 100
99 71.3 50.6 76.0
61 44.5 33.0 49.6



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0

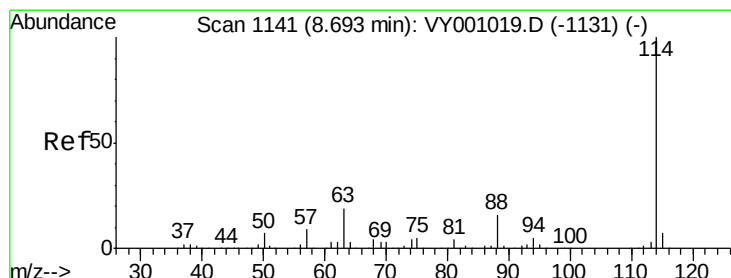
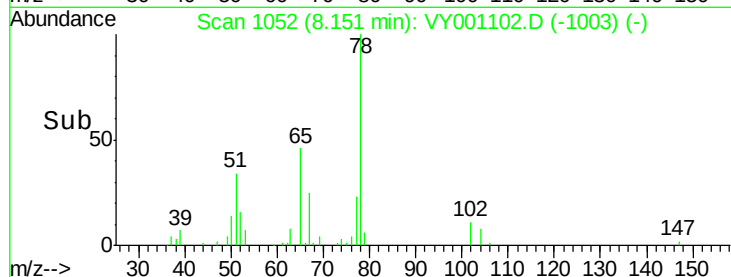
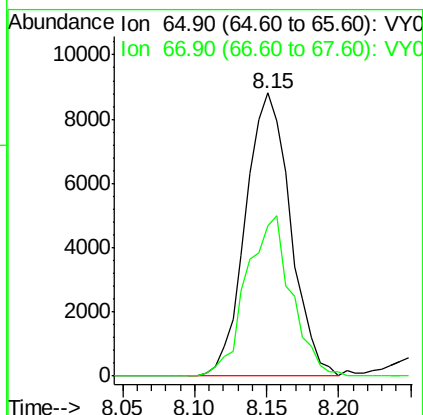
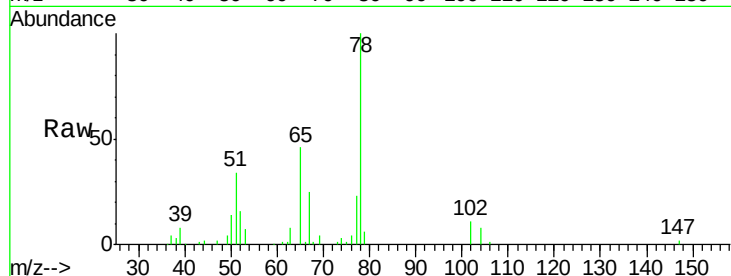




#33
 1,2-Dichloroethane-d4
 Concen: 57.536 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

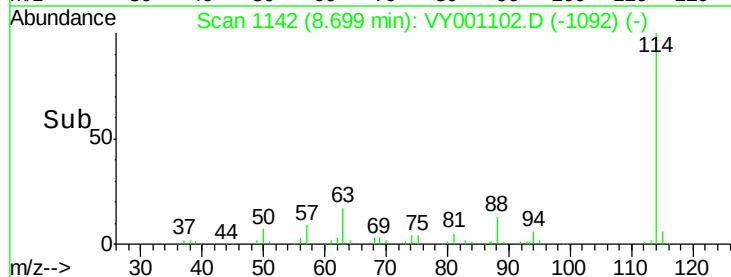
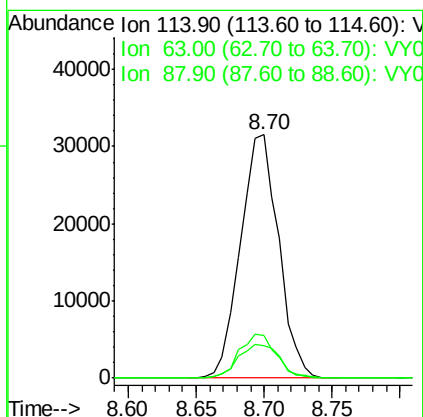
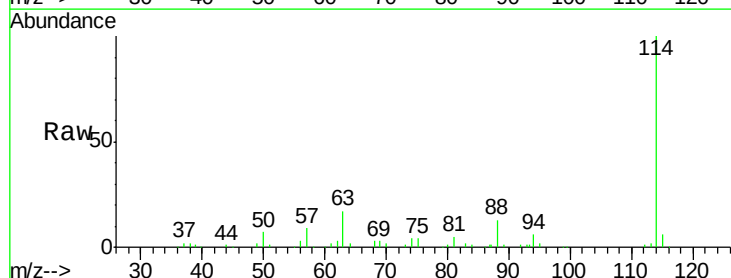
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MS

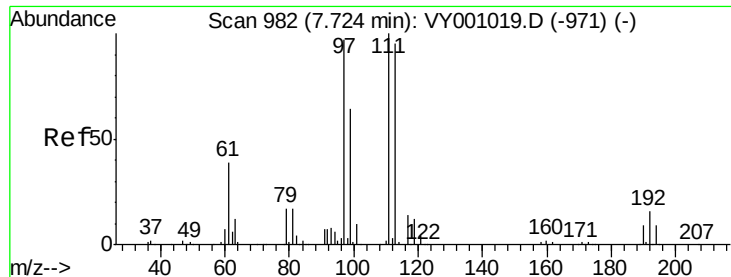
Tgt Ion: 65 Resp: 19018
 Ion Ratio Lower Upper
 65 100
 67 56.8 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

Tgt Ion: 114 Resp: 61754
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 37.0
 88 13.3 0.0 32.0

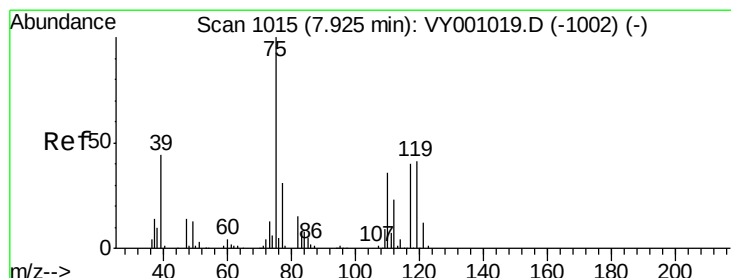
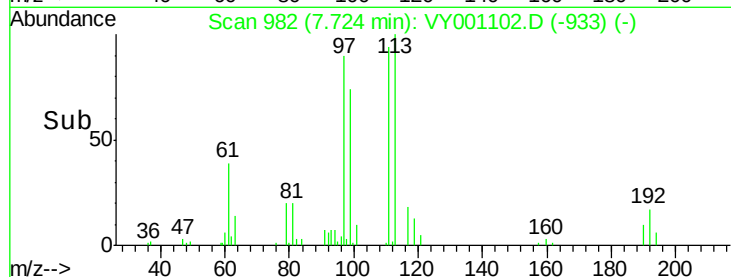
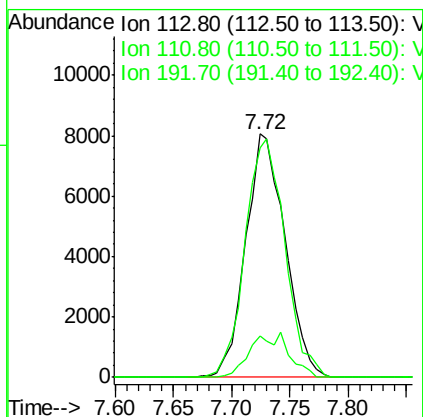
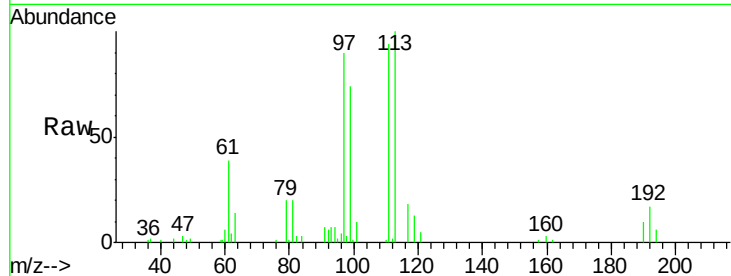




#35
 Dibromofluoromethane
 Concen: 52.004 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

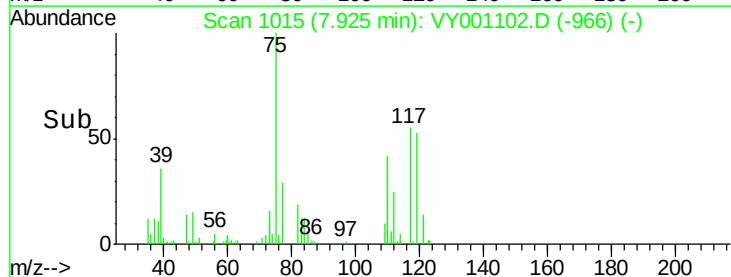
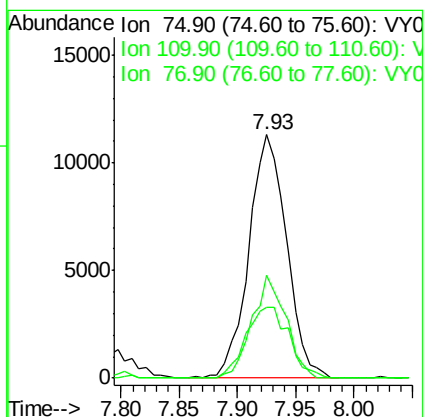
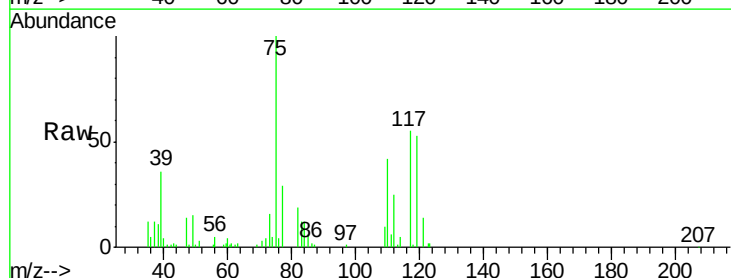
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MS

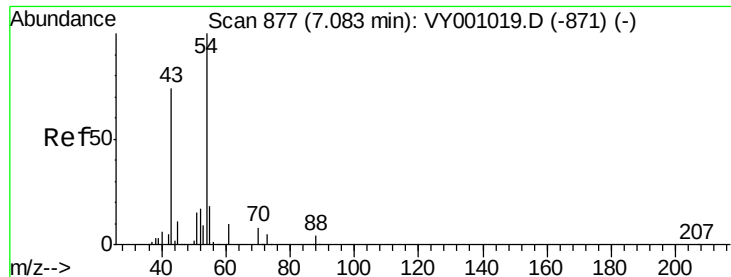
Tgt Ion: 113 Resp: 18911
 Ion Ratio Lower Upper
 113 100
 111 99.3 83.0 124.4
 192 17.8 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 43.152 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

Tgt Ion: 75 Resp: 25422
 Ion Ratio Lower Upper
 75 100
 110 37.9 18.1 54.4
 77 33.3 24.6 37.0





#37

Ethyl Acetate

Concen: 43.344 ug/l

RT: 7.08 min Scan# 877

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MS

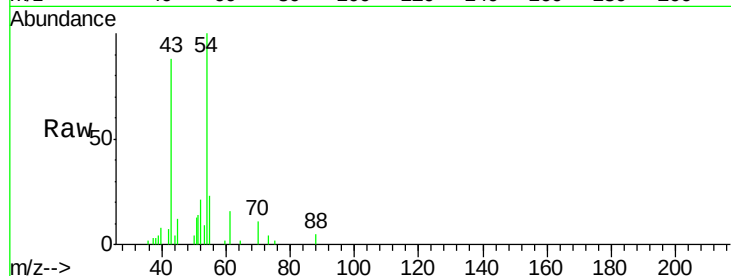
Tgt Ion: 43 Resp: 14139

Ion Ratio Lower Upper

43 100

61 20.0 12.5 18.7#

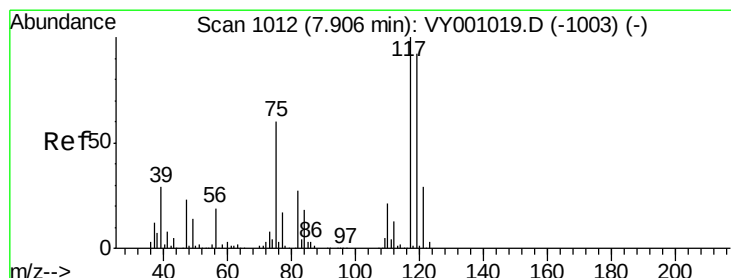
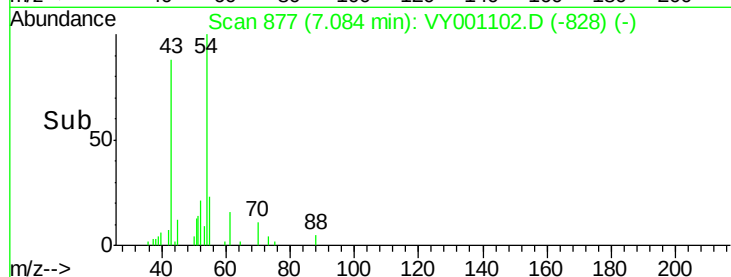
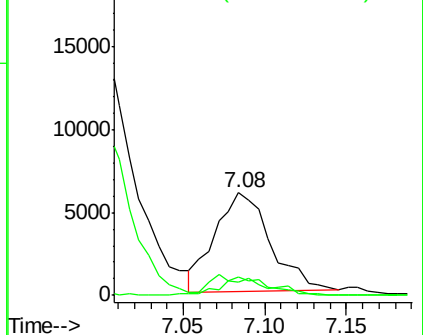
70 15.8 9.0 13.4#



Abundance Ion 43.00 (42.70 to 43.70): VY001102.D (-828) (-)

Ion 60.90 (60.60 to 61.60): VY001102.D (-828) (-)

Ion 70.00 (69.70 to 70.70): VY001102.D (-828) (-)



#38

Carbon Tetrachloride

Concen: 45.211 ug/l

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

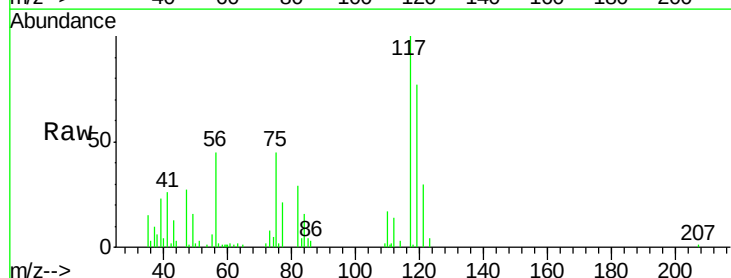
Tgt Ion: 117 Resp: 23336

Ion Ratio Lower Upper

117 100

119 77.2 74.2 111.2

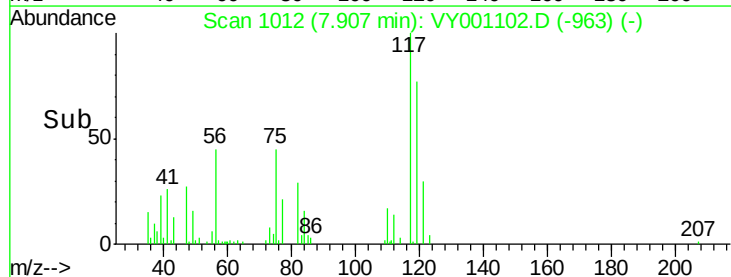
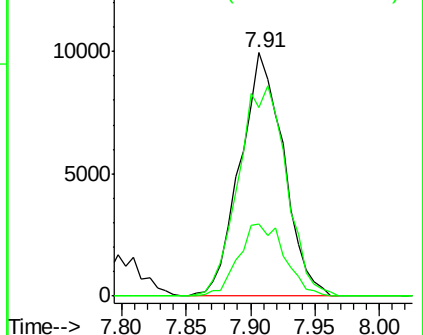
121 29.7 22.9 34.3

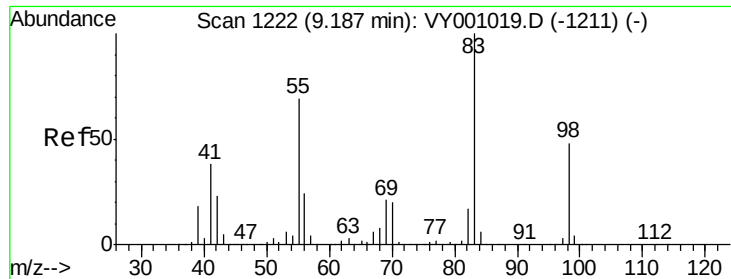


Abundance Ion 116.80 (116.50 to 117.50): VY001102.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY001102.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY001102.D (-963) (-)

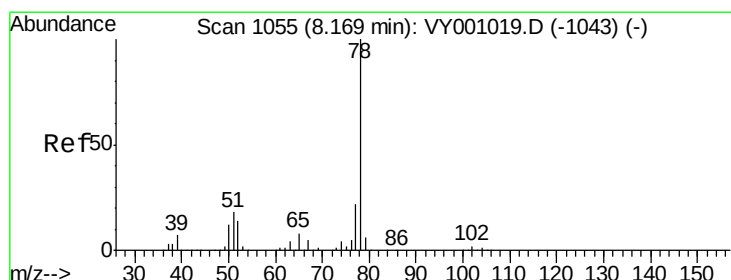
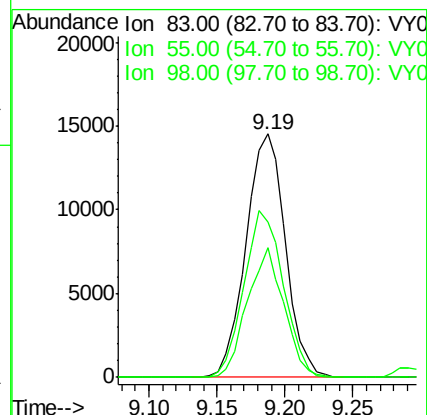
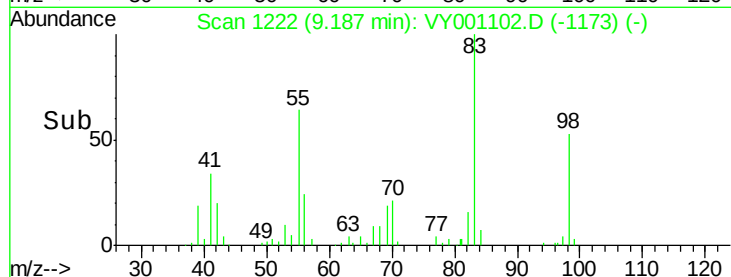
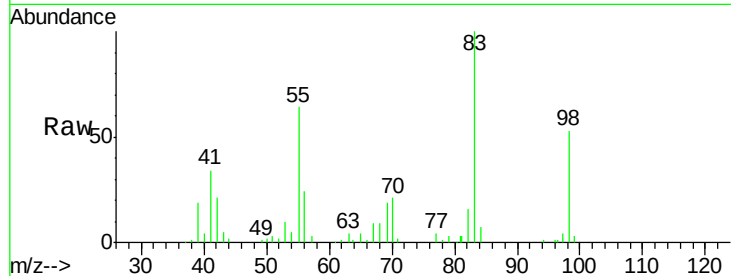




#39
Methylcyclohexane
Concen: 37.718 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

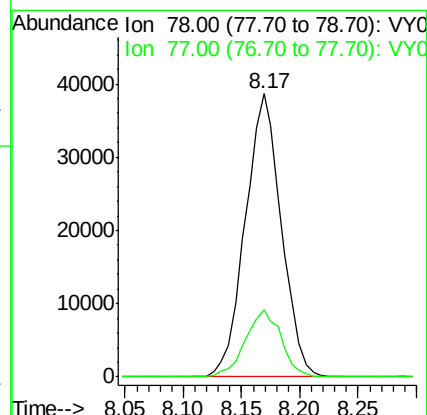
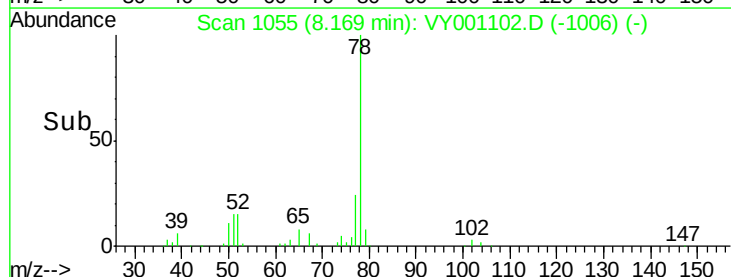
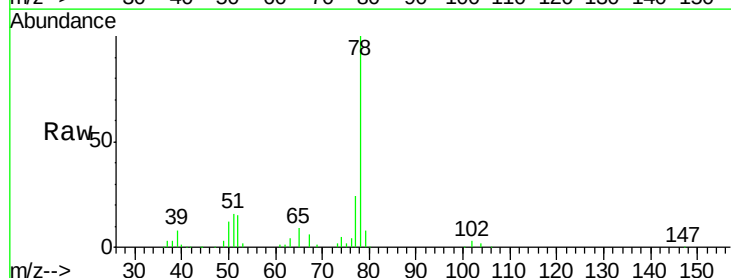
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MS

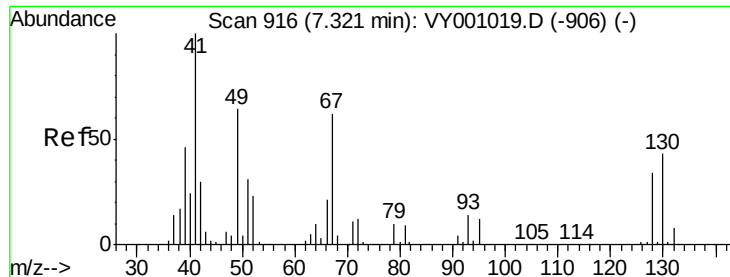
Tgt Ion: 83 Resp: 29508
Ion Ratio Lower Upper
83 100
55 63.8 55.1 82.7
98 53.2 38.3 57.5



#40
Benzene
Concen: 46.919 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 78 Resp: 83390
Ion Ratio Lower Upper
78 100
77 23.6 17.7 26.5

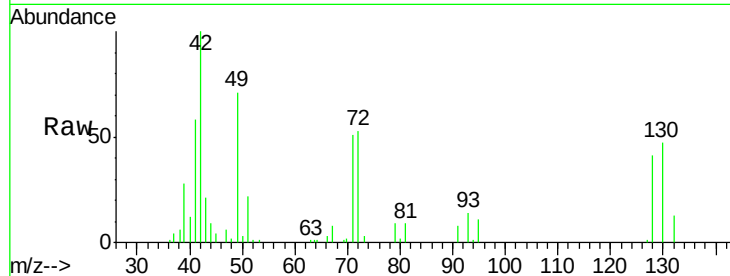




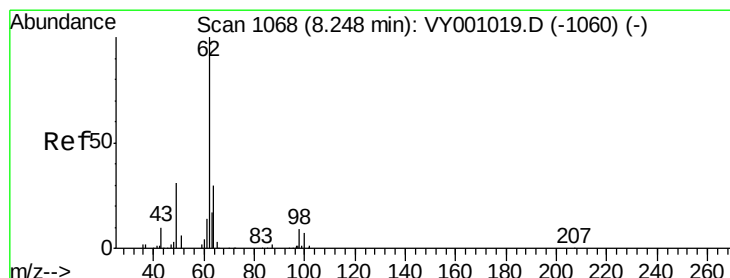
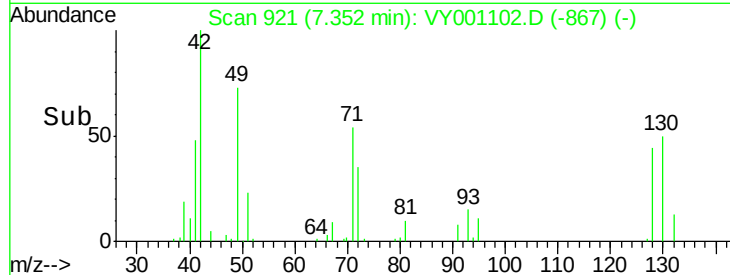
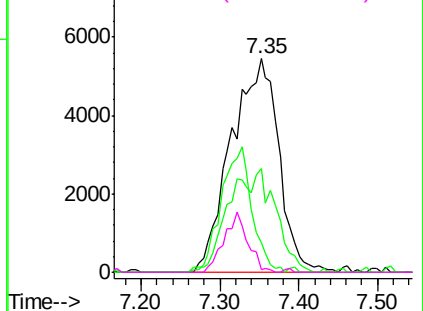
#41
Methacrylonitrile
Concen: 161.630 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.03 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MS

Tgt Ion:	41	Resp:	22859
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

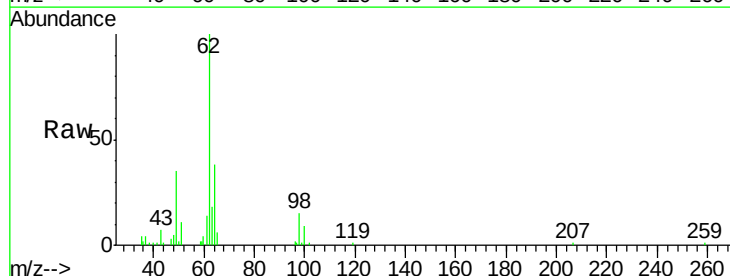


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

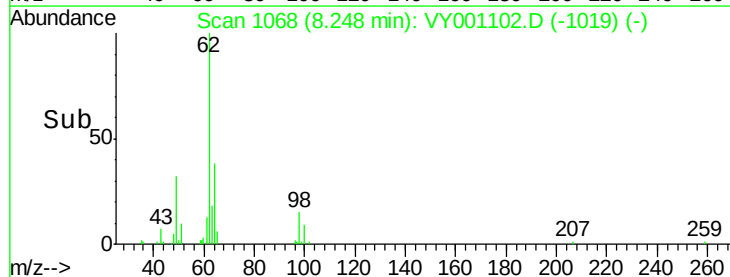
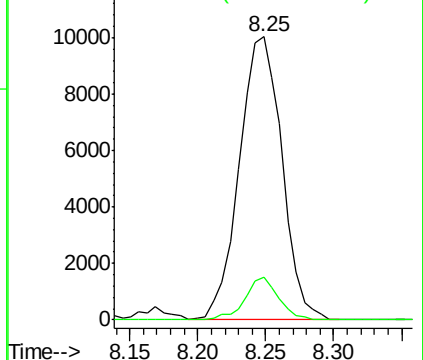


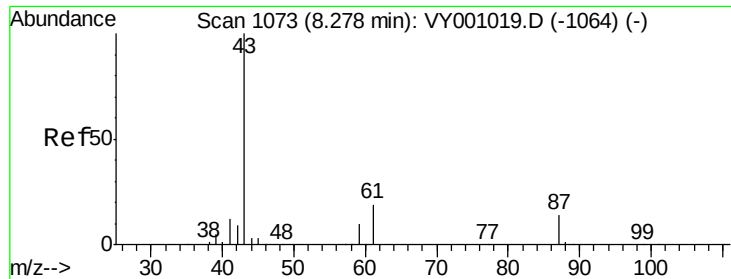
#42
1,2-Dichloroethane
Concen: 51.783 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:	62	Resp:	22004
Ion	Ratio	Lower	Upper
62	100		
98	11.9	0.0	23.4



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 47.814 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MS

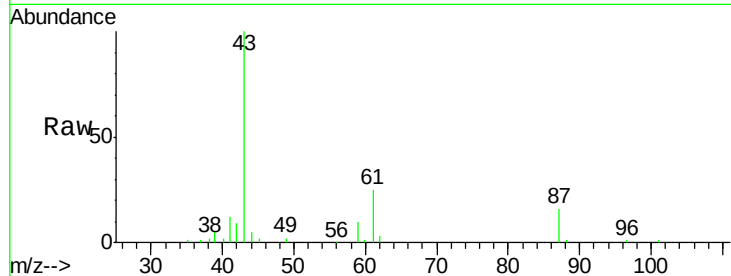
Tgt Ion: 43 Resp: 28873

Ion Ratio Lower Upper

43 100

61 34.0 25.0 37.6

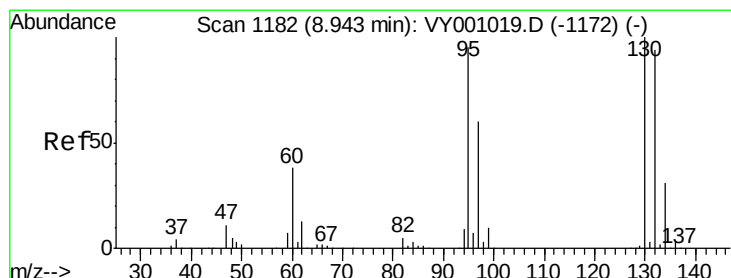
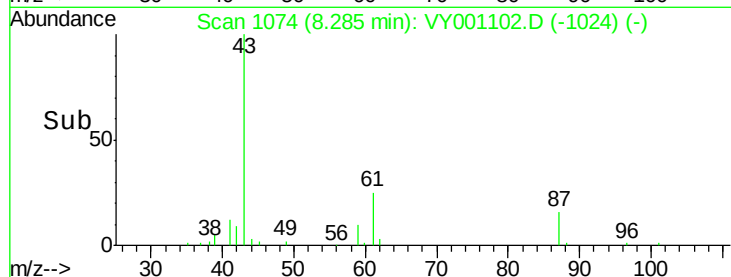
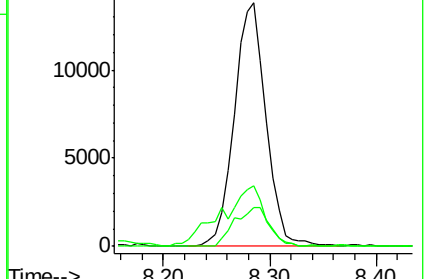
87 17.7 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VY001102.D (-1074) (-)

Ion 61.00 (60.70 to 61.70): VY001102.D (-1074) (-)

Ion 87.00 (86.70 to 87.70): VY001102.D (-1074) (-)



#44

Trichloroethene

Concen: 46.085 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY001102.D

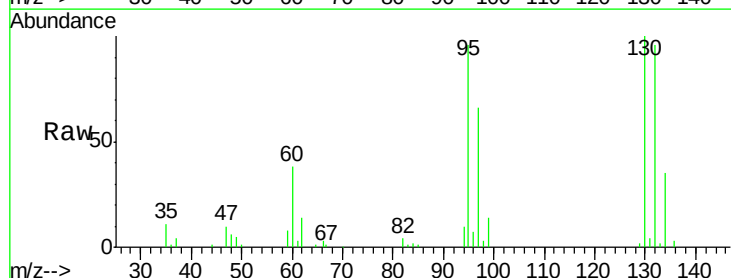
Acq: 27 Dec 2019 16:50

Tgt Ion: 130 Resp: 21581

Ion Ratio Lower Upper

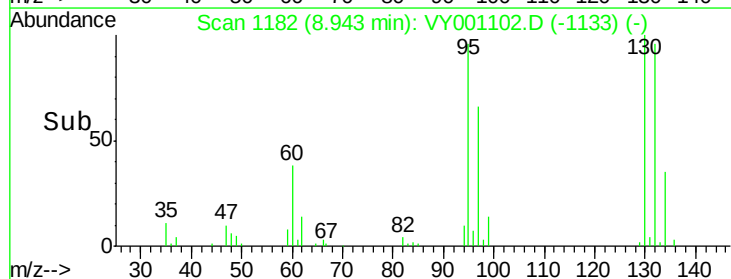
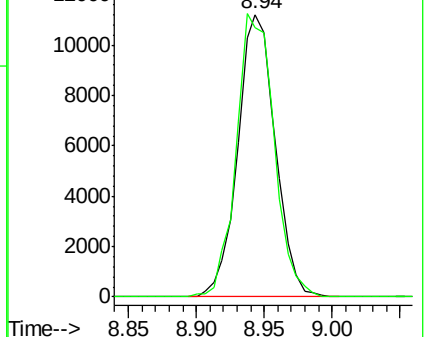
130 100

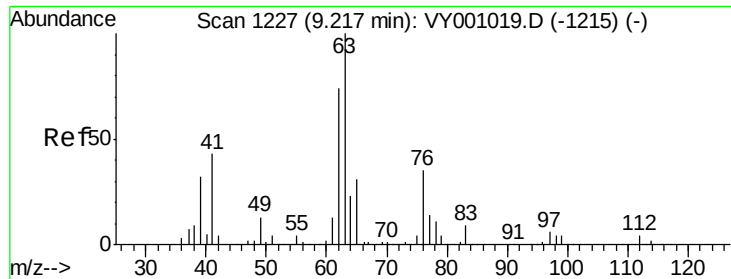
95 95.5 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VY001102.D (-1182) (-)

Ion 94.90 (94.60 to 95.60): VY001102.D (-1182) (-)





#45

1,2-Dichloropropane

Concen: 49.194 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

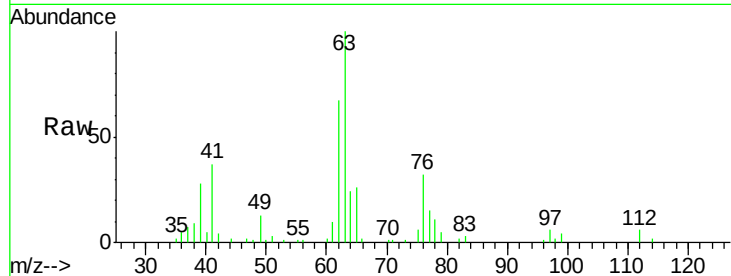
LIED-BF001-01MS

Tgt Ion: 63 Resp: 21934

Ion Ratio Lower Upper

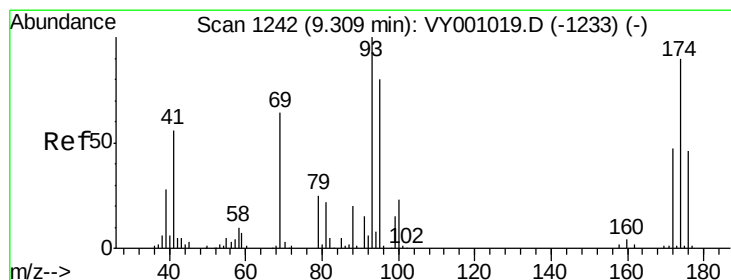
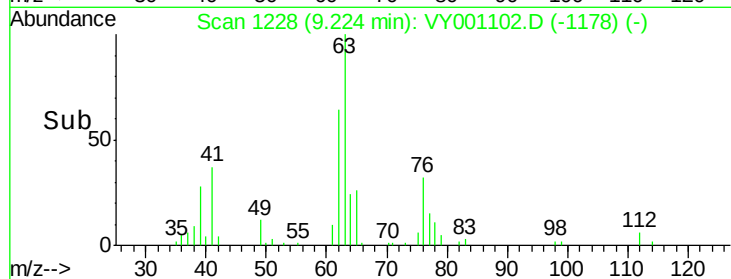
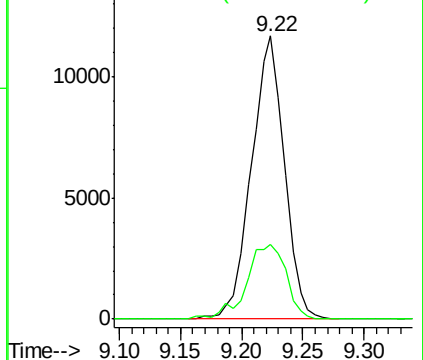
63 100

65 26.4 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 53.842 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

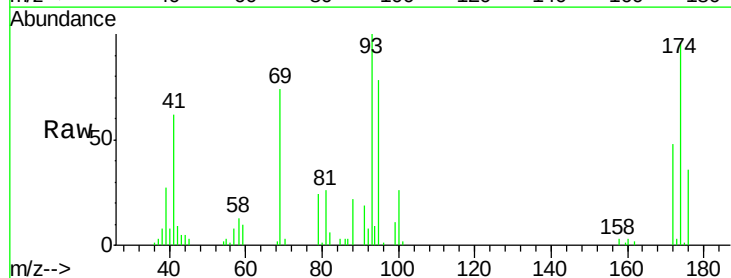
Tgt Ion: 93 Resp: 12375

Ion Ratio Lower Upper

93 100

95 84.3 66.7 100.1

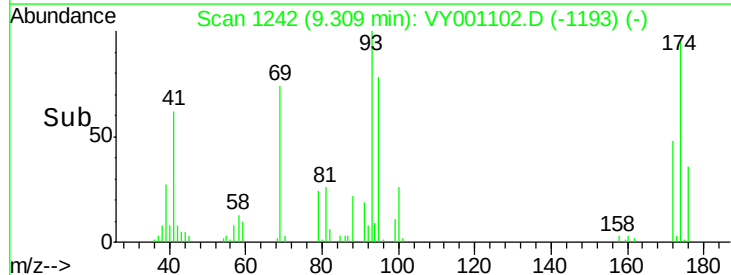
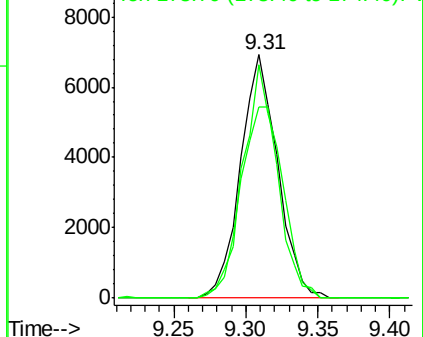
174 94.7 73.6 110.4

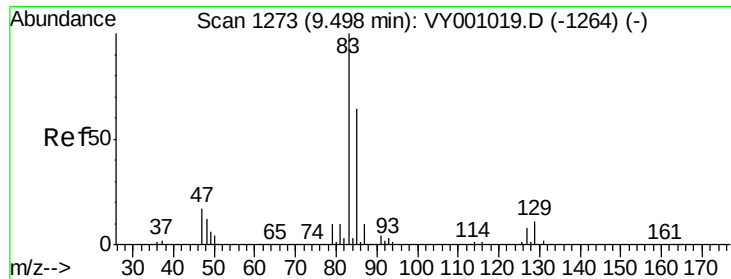


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.007 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MS

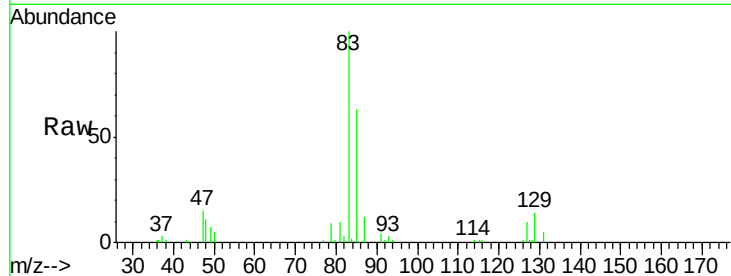
Tgt Ion: 83 Resp: 26091

Ion Ratio Lower Upper

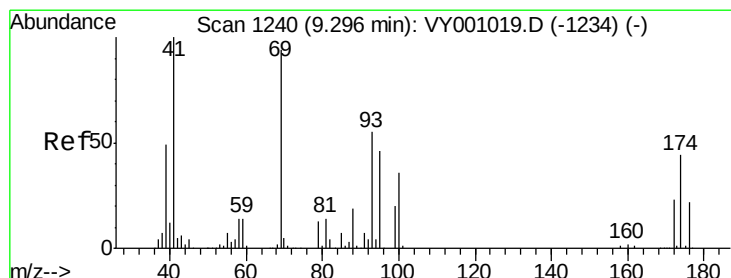
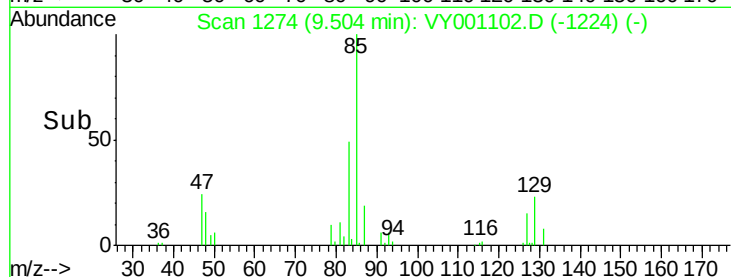
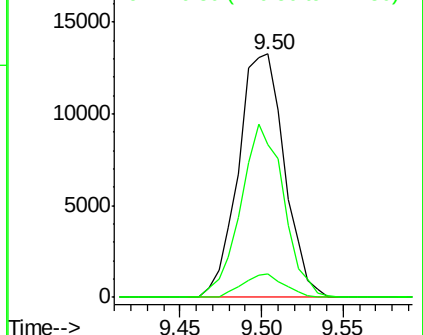
83 100

85 62.7 50.9 76.3

127 9.7 6.4 9.6#



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.139 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

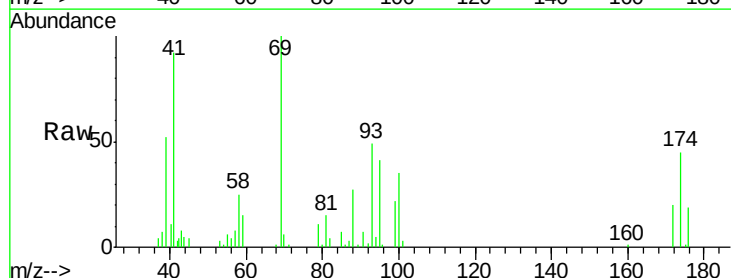
Tgt Ion: 41 Resp: 13178

Ion Ratio Lower Upper

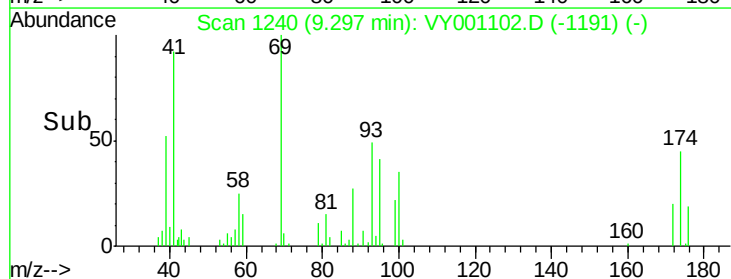
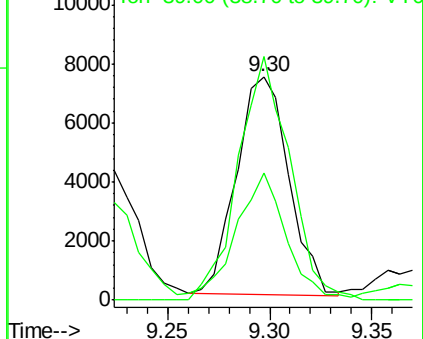
41 100

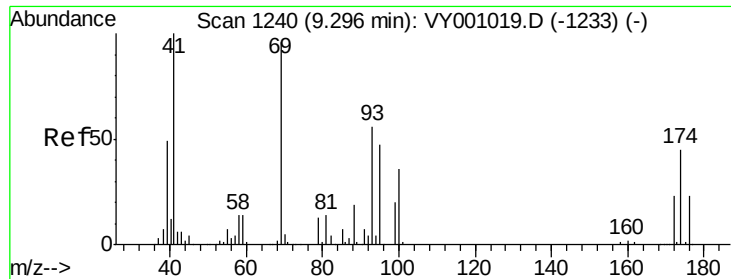
69 110.5 79.8 119.6

39 56.4 41.7 62.5



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

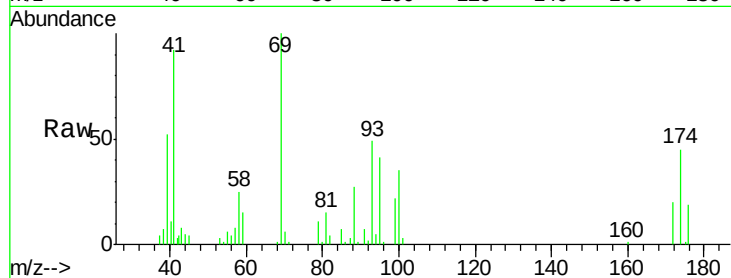




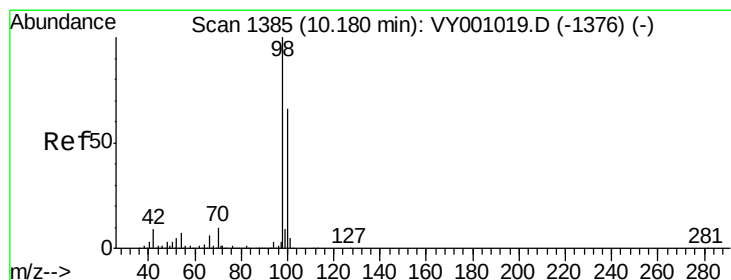
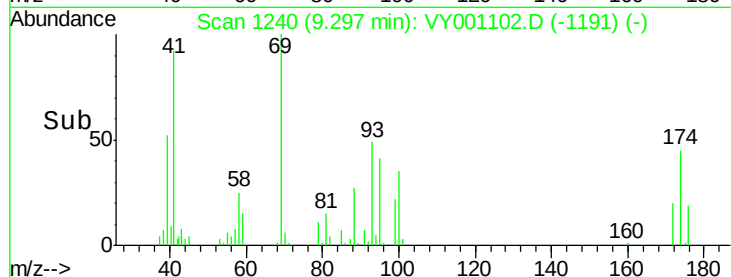
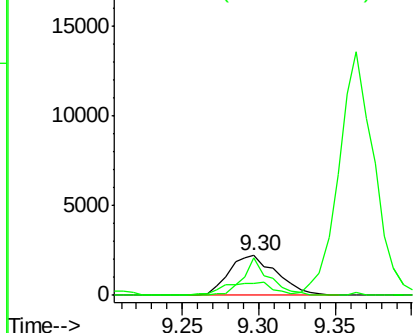
#49
1,4-Dioxane
Concen: 1437.457 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MS

Tgt Ion: 88 Resp: 4833
Ion Ratio Lower Upper
88 100
43 26.3 23.0 34.4
58 58.2 54.9 82.3

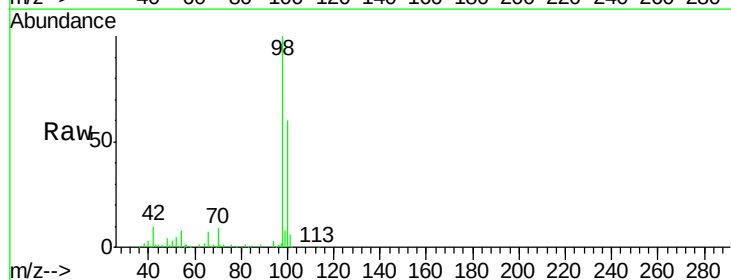


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

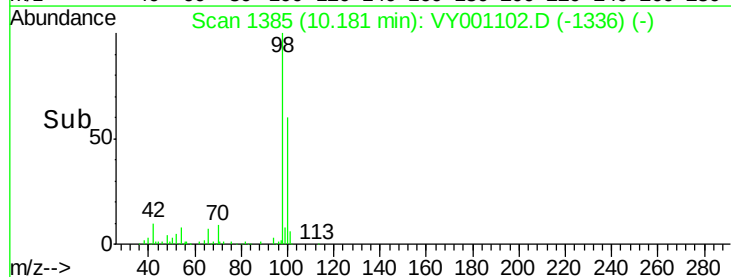
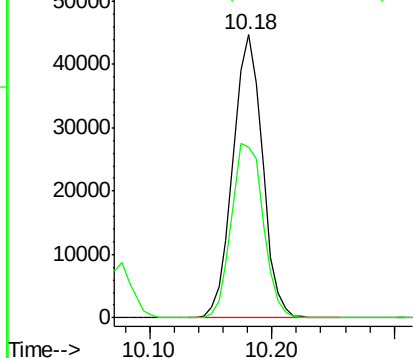


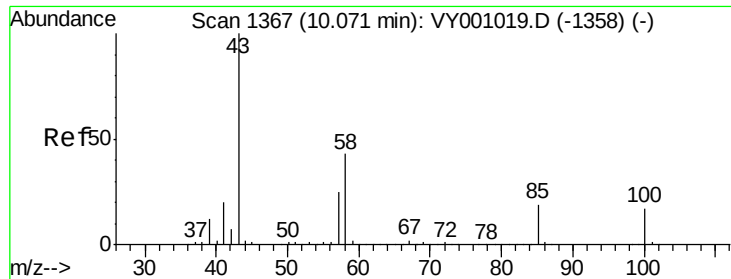
#50
Toluene-d8
Concen: 52.420 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 98 Resp: 74494
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

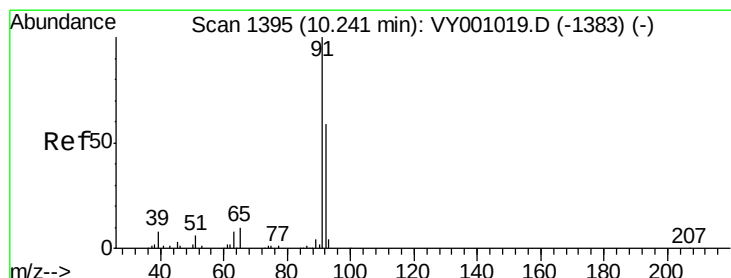
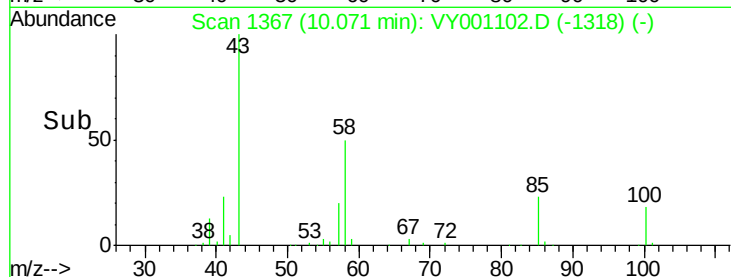
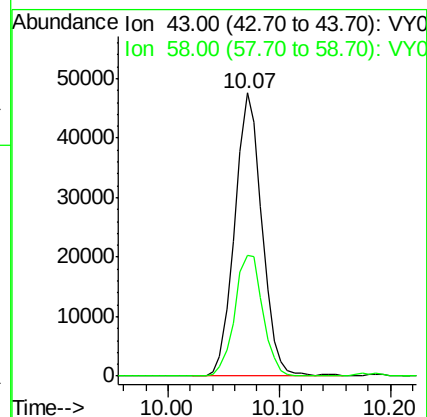
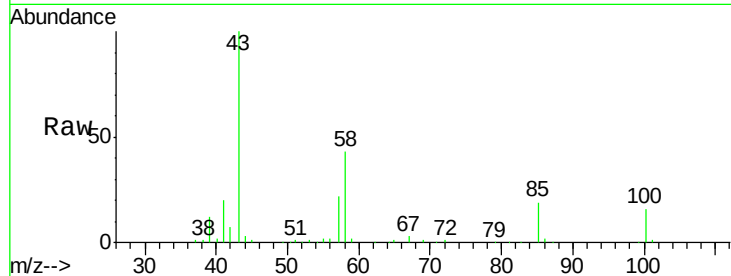




#51
4-Methyl-2-Pentanone
Concen: 256.284 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

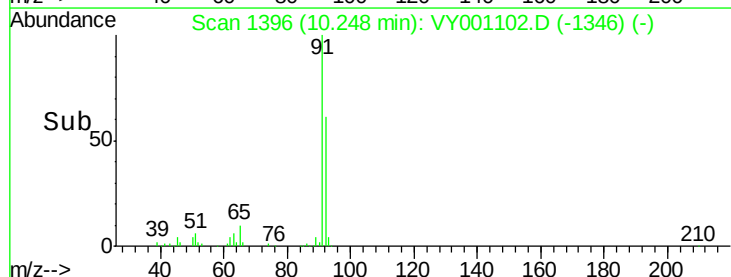
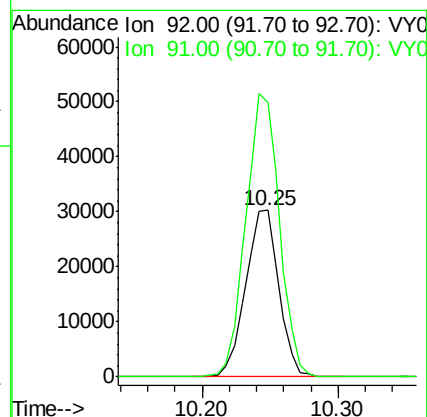
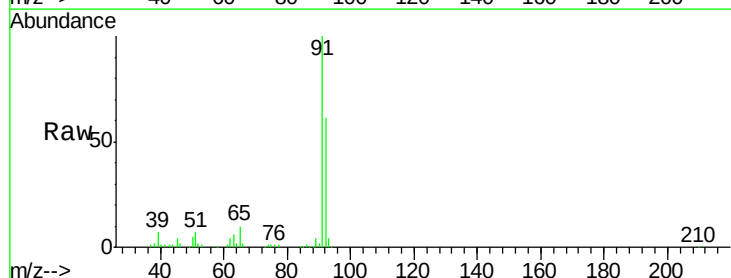
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MS

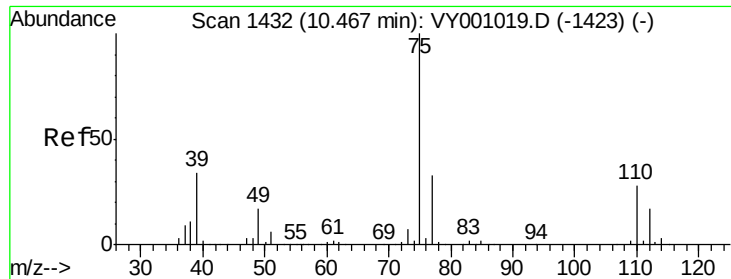
Tgt Ion: 43 Resp: 80663
Ion Ratio Lower Upper
43 100
58 44.2 34.6 52.0



#52
Toluene
Concen: 47.340 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 92 Resp: 51786
Ion Ratio Lower Upper
92 100
91 171.8 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 45.244 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

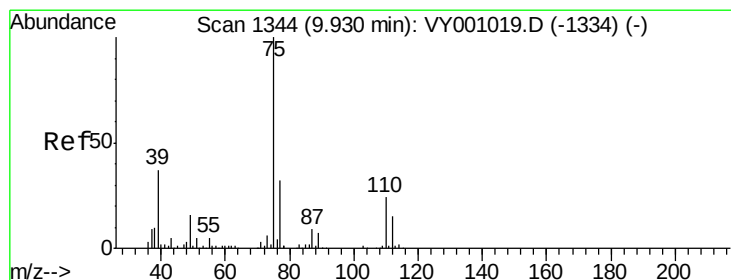
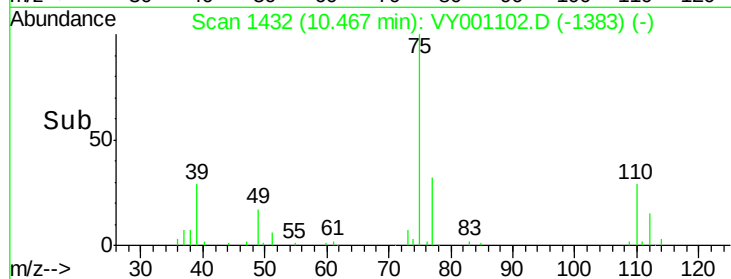
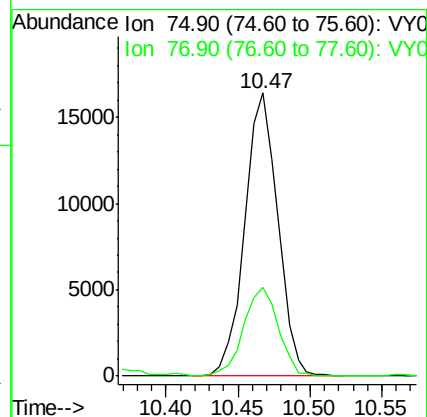
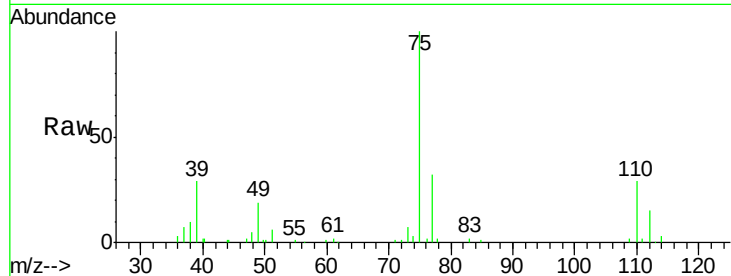
LIED-BF001-01MS

Tgt Ion: 75 Resp: 26142

Ion Ratio Lower Upper

75 100

77 31.5 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 45.357 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

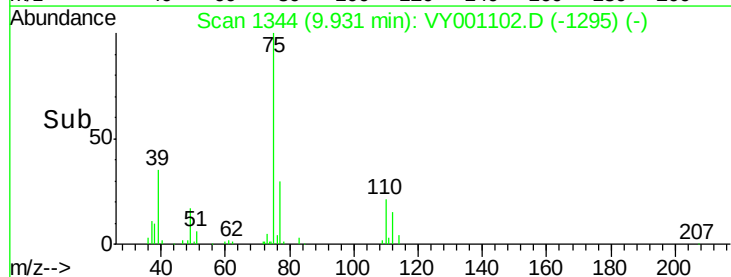
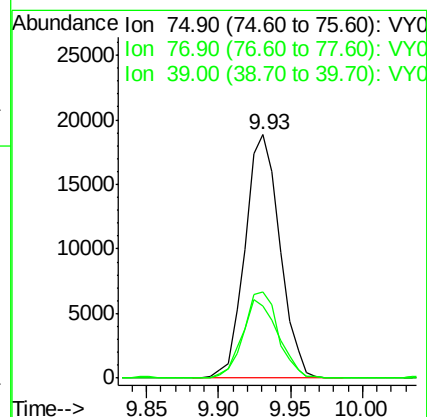
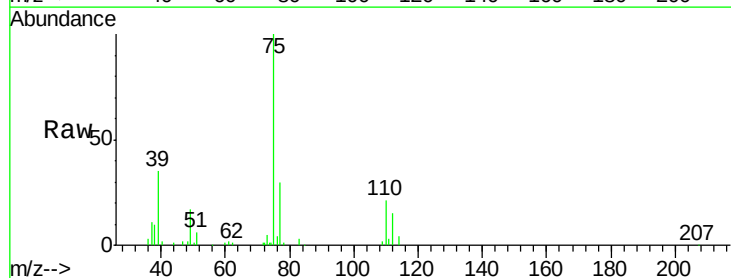
Tgt Ion: 75 Resp: 31513

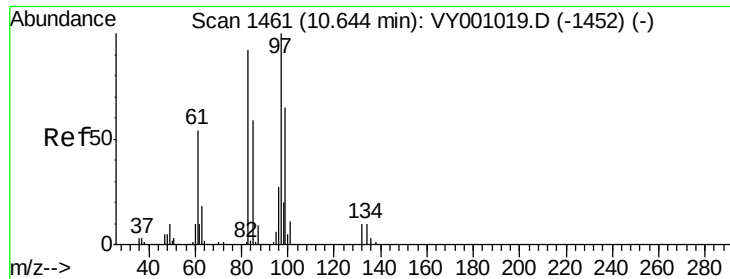
Ion Ratio Lower Upper

75 100

77 29.8 25.2 37.8

39 35.4 29.5 44.3

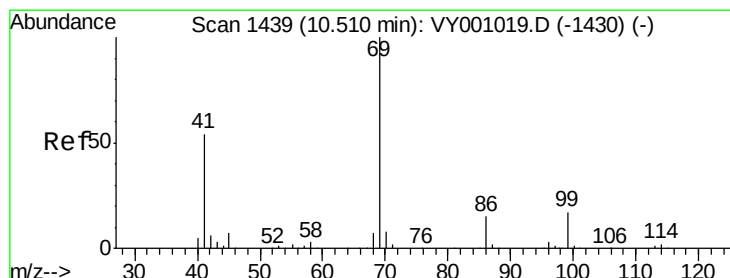
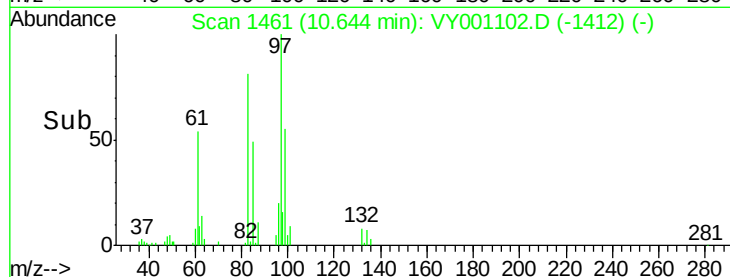
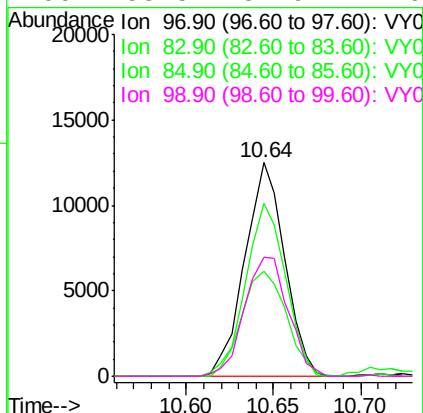
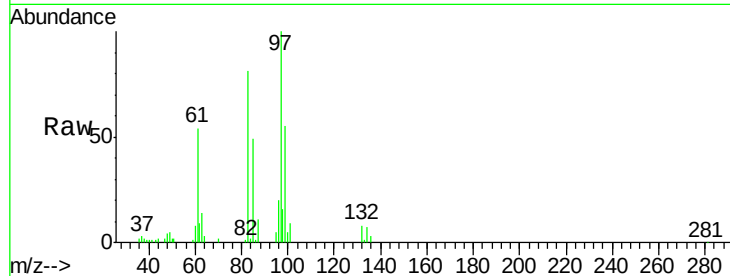




#55
 1,1,2-Trichloroethane
 Concen: 57.533 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

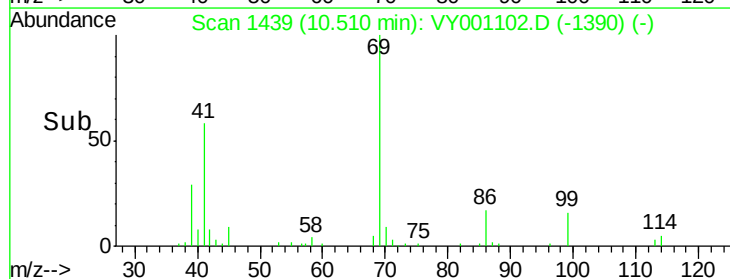
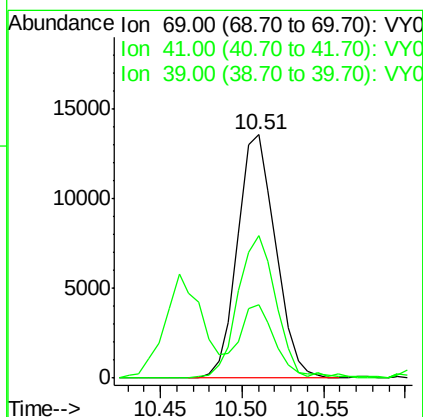
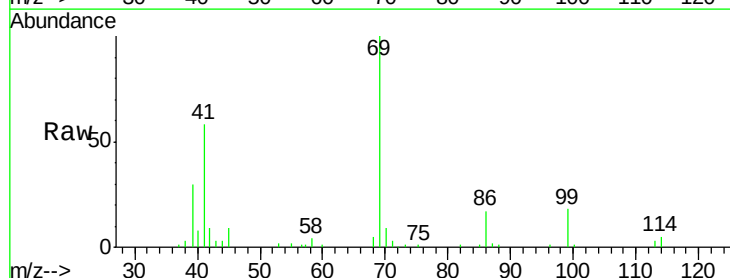
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MS

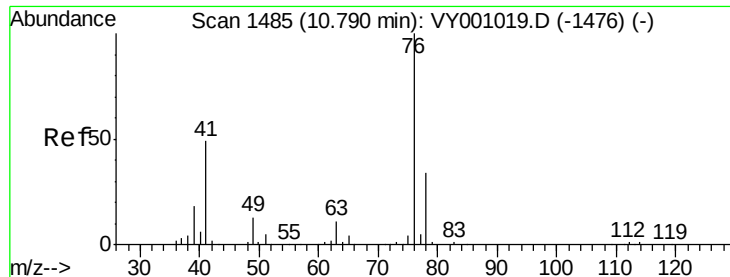
Tgt Ion: 97 Resp: 19741
 Ion Ratio Lower Upper
 97 100
 83 80.7 73.7 110.5
 85 49.4 47.3 70.9
 99 55.5 51.9 77.9



#56
 Ethyl methacrylate
 Concen: 45.119 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

Tgt Ion: 69 Resp: 22034
 Ion Ratio Lower Upper
 69 100
 41 59.0 44.7 67.1
 39 27.7 22.2 33.4





#57

1,3-Dichloropropane

Concen: 55.156 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

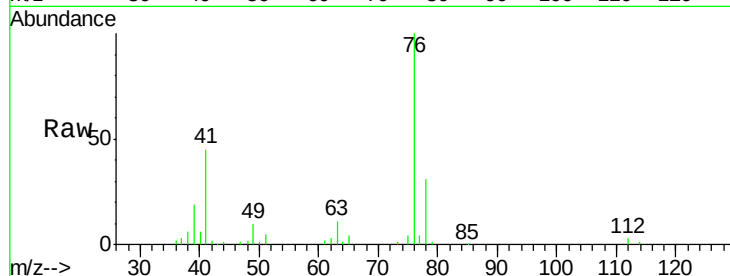
LIED-BF001-01MS

Tgt Ion: 76 Resp: 33173

Ion Ratio Lower Upper

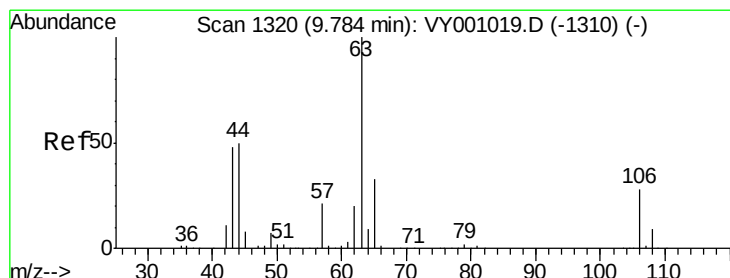
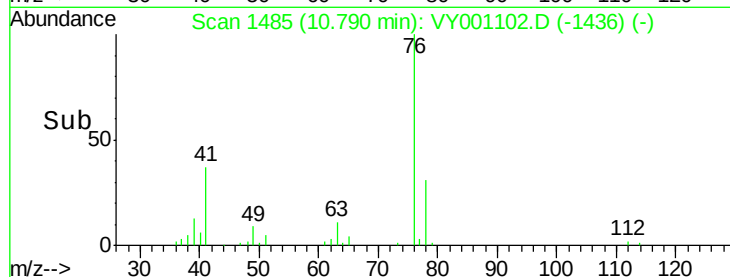
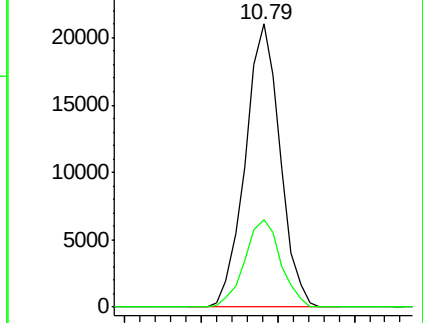
76 100

78 31.8 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 220.275 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY001102.D

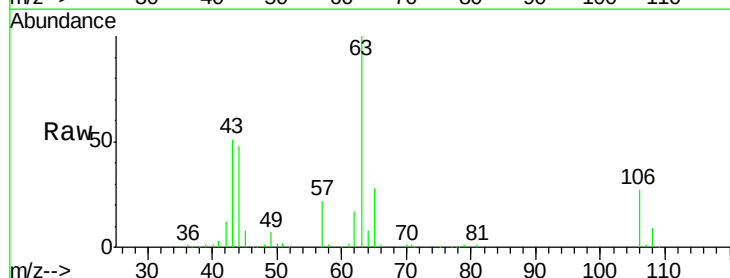
Acq: 27 Dec 2019 16:50

Tgt Ion: 63 Resp: 41548

Ion Ratio Lower Upper

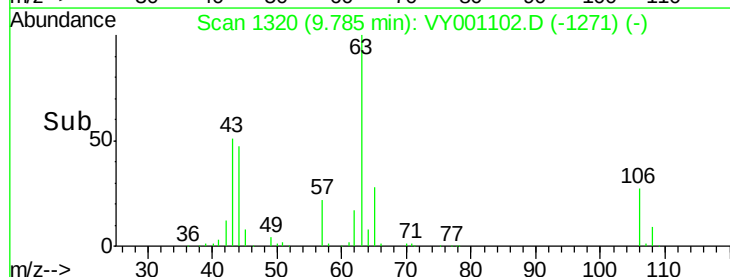
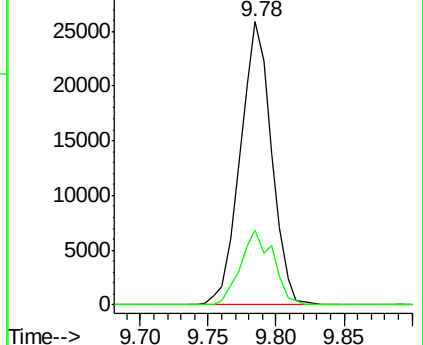
63 100

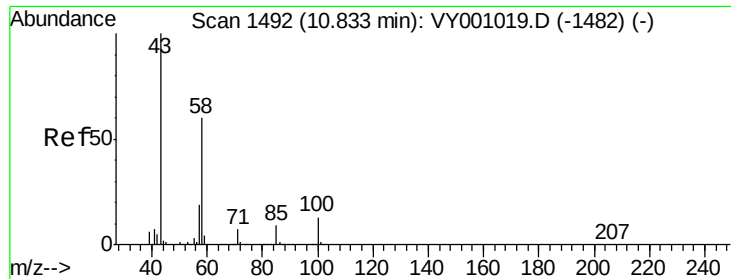
106 27.6 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

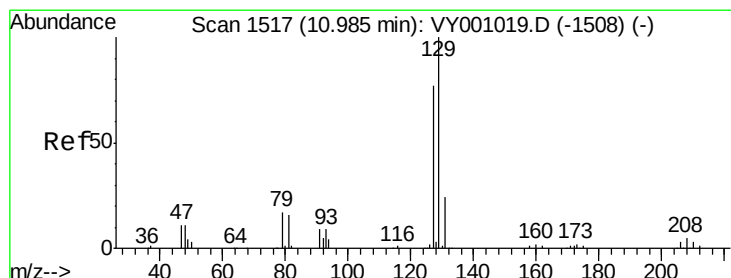
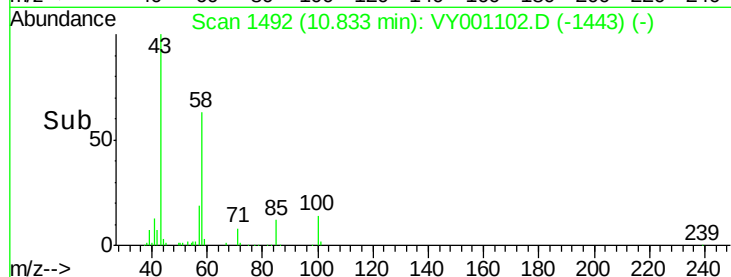
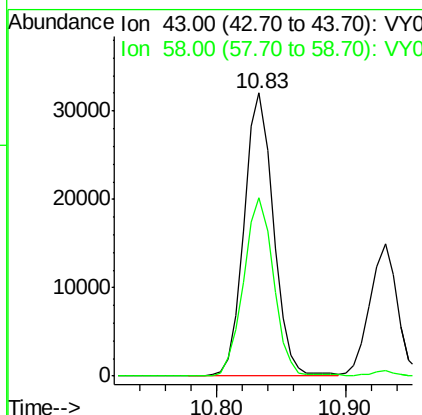
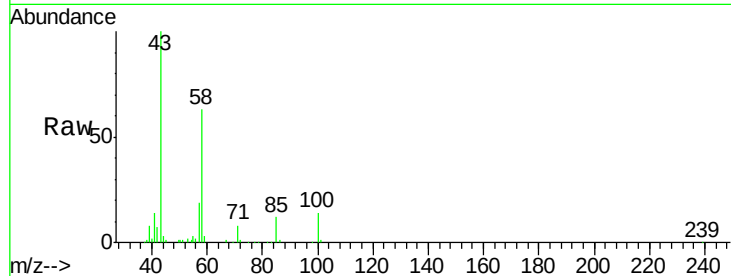




#59
2-Hexanone
Concen: 231.318 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

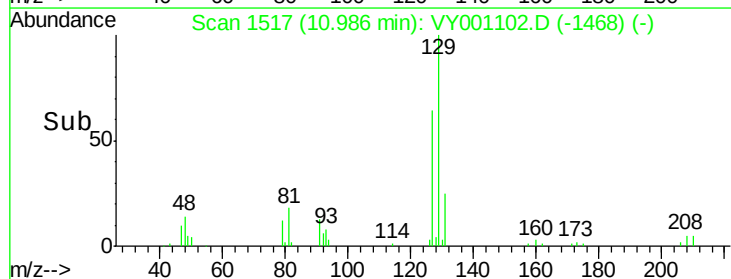
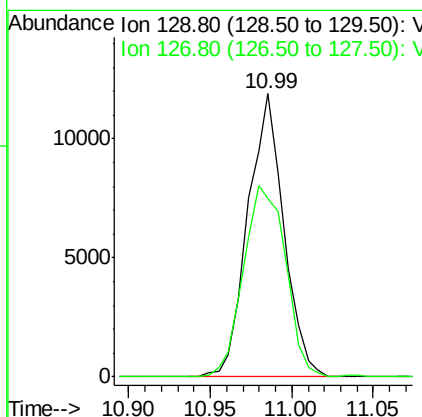
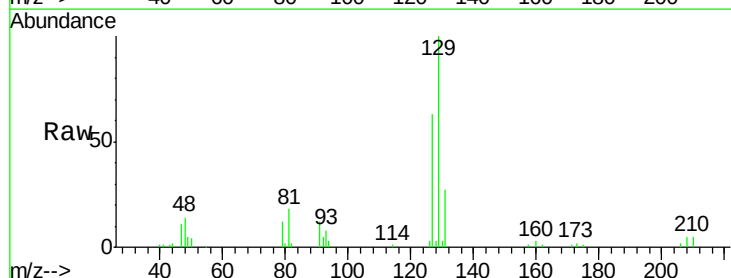
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MS

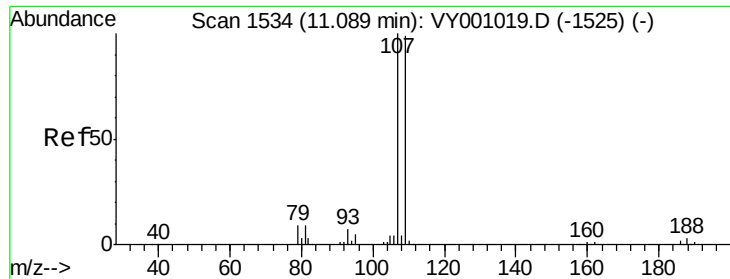
Tgt Ion: 43 Resp: 50377
Ion Ratio Lower Upper
43 100
58 64.5 30.6 91.6



#60
Dibromochloromethane
Concen: 49.774 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 129 Resp: 18243
Ion Ratio Lower Upper
129 100
127 79.1 39.1 117.3

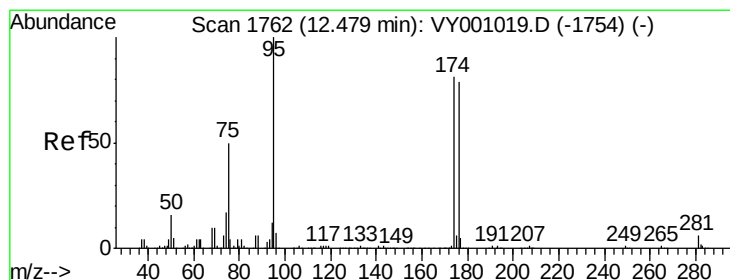
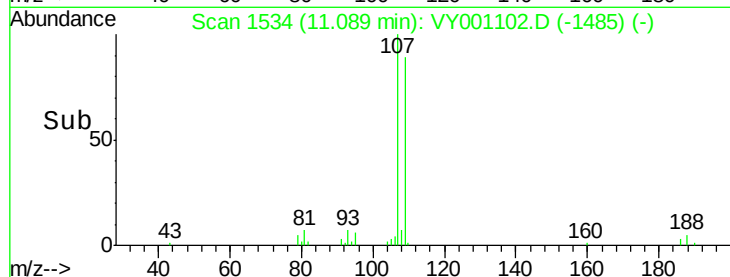
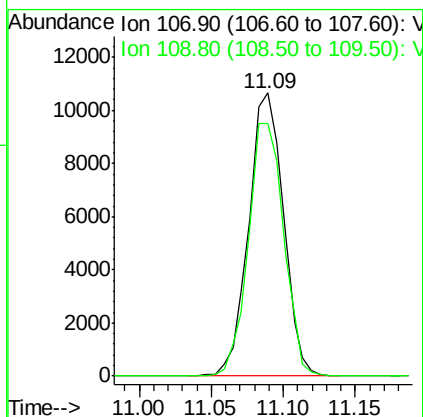
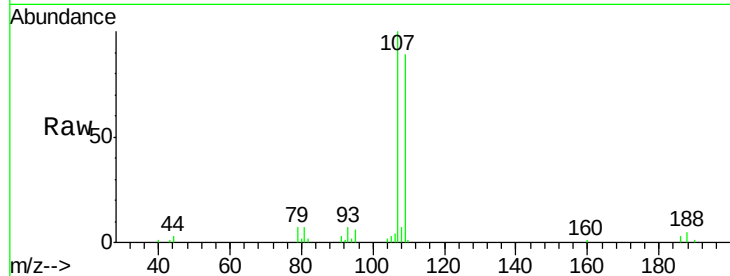




#61
 1,2-Dibromoethane
 Concen: 54.145 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

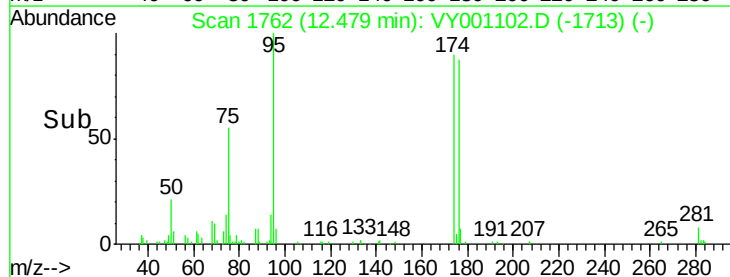
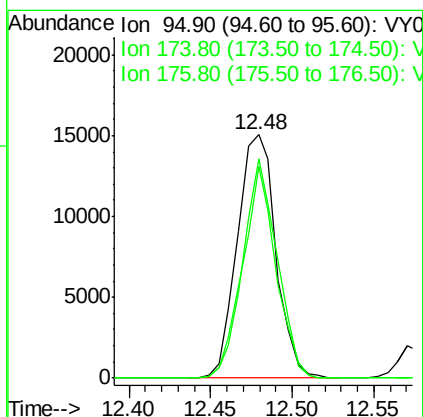
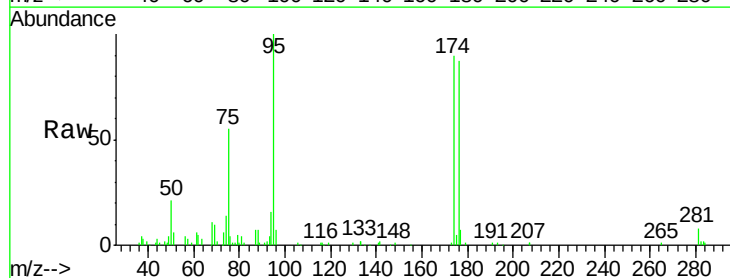
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MS

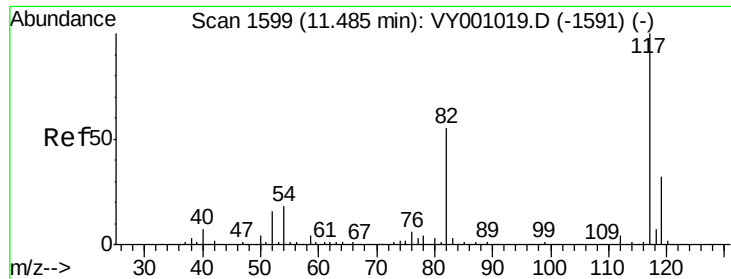
Tgt Ion: 107 Resp: 17766
 Ion Ratio Lower Upper
 107 100
 109 91.2 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 47.542 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

Tgt Ion: 95 Resp: 24702
 Ion Ratio Lower Upper
 95 100
 174 80.2 0.0 156.4
 176 75.9 0.0 155.0

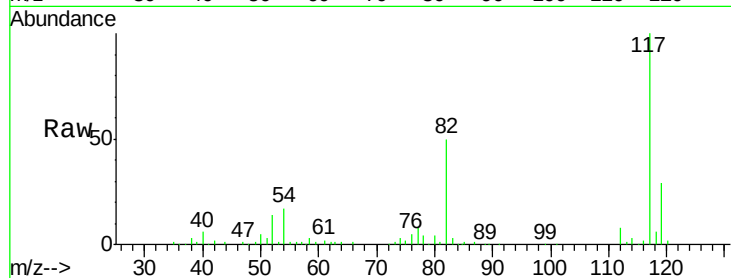




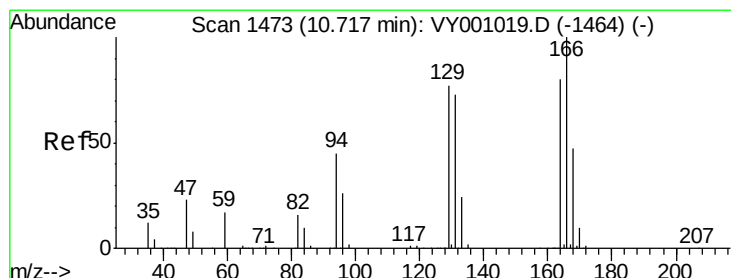
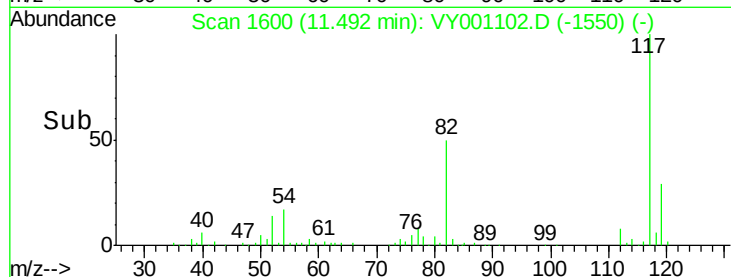
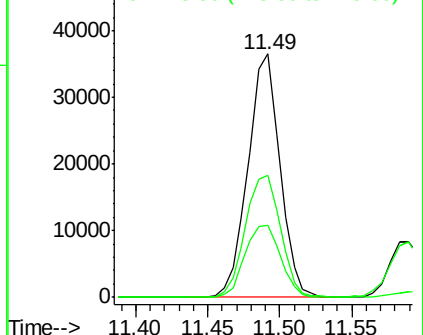
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MS

Tgt Ion:117 Resp: 56157
Ion Ratio Lower Upper
117 100
82 50.0 43.8 65.8
119 29.4 25.8 38.6

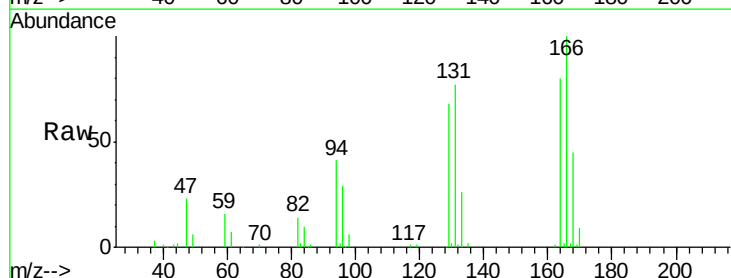


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

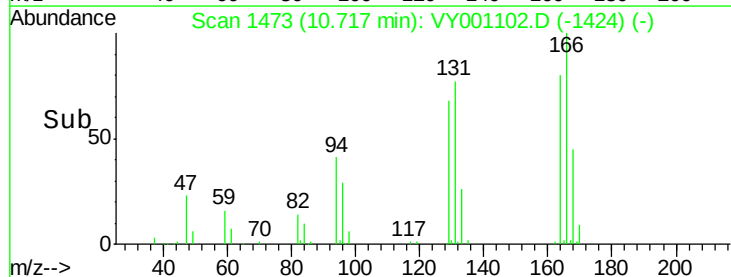
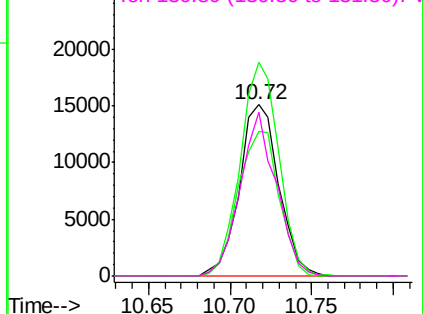


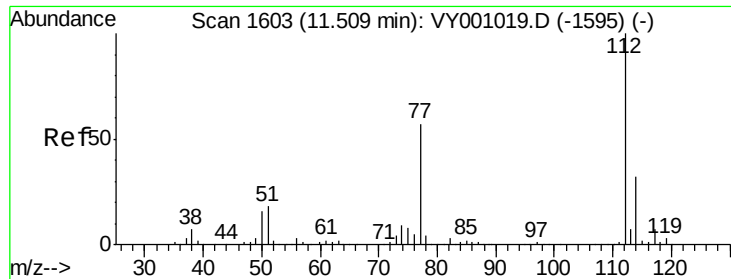
#64
Tetrachloroethene
Concen: 52.250 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:164 Resp: 25388
Ion Ratio Lower Upper
164 100
166 125.0 99.7 149.5
129 84.5 76.9 115.3
131 95.9 72.3 108.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

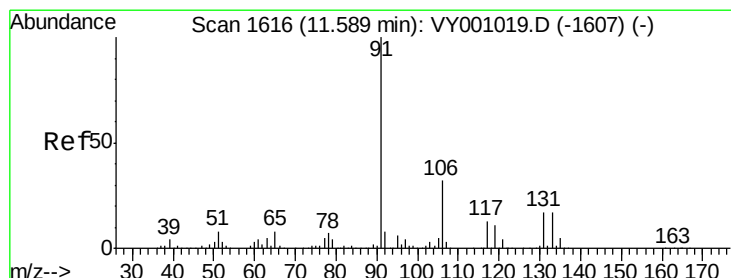
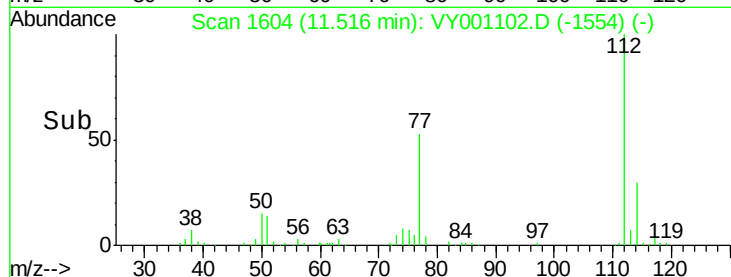
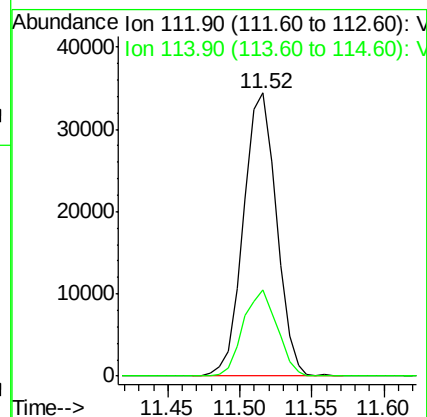
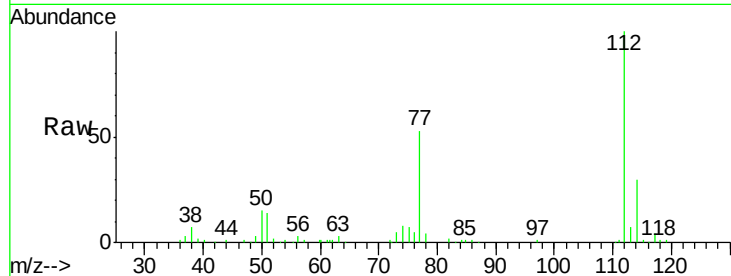




#65
Chlorobenzene
Concen: 46.921 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

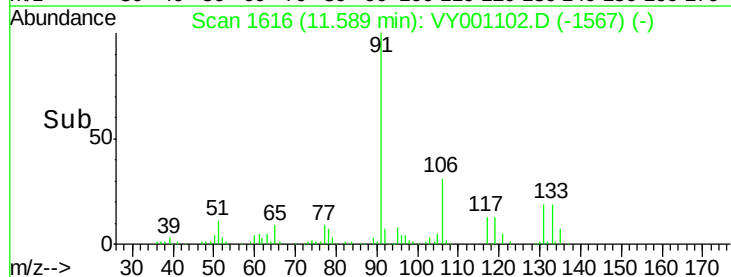
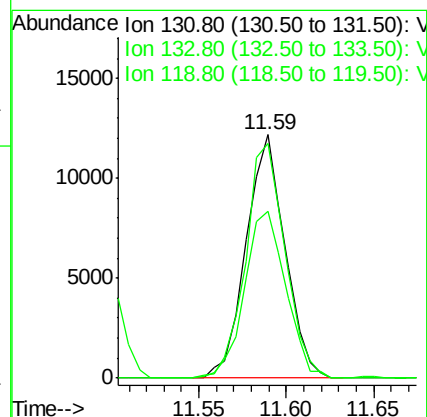
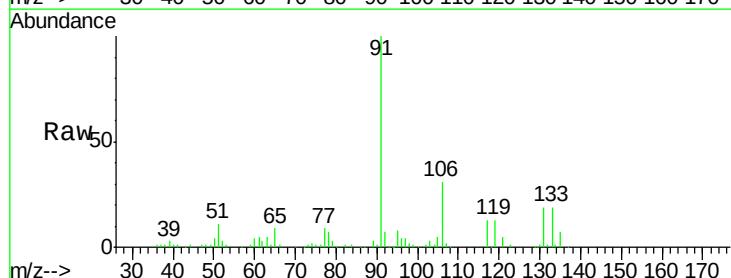
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MS

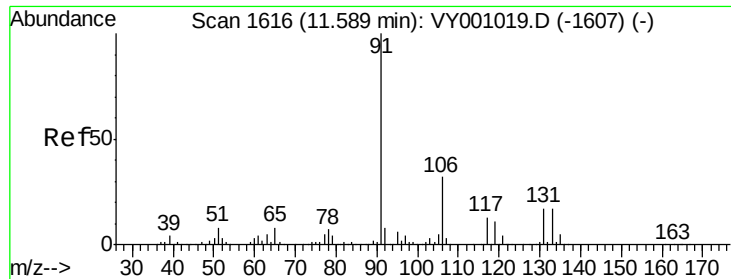
Tgt Ion:112 Resp: 54657
Ion Ratio Lower Upper
112 100
114 30.3 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 48.851 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:131 Resp: 18779
Ion Ratio Lower Upper
131 100
133 98.0 48.1 144.4
119 72.9 34.0 101.8

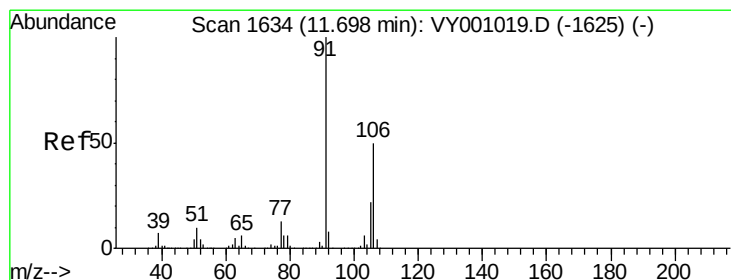
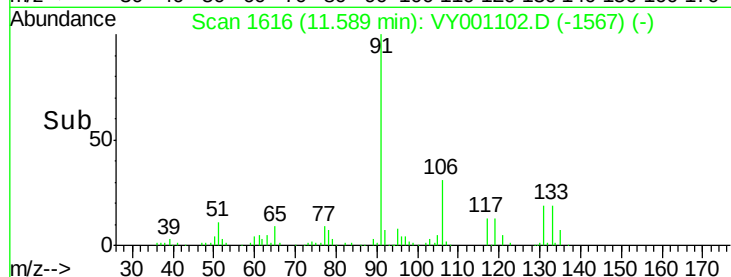
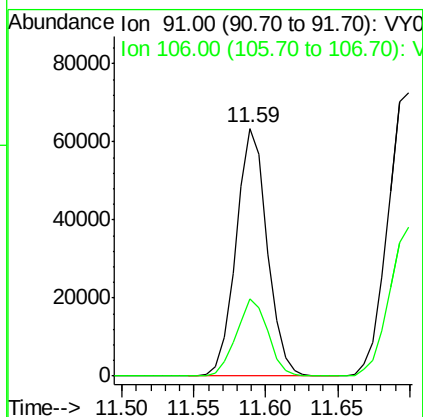
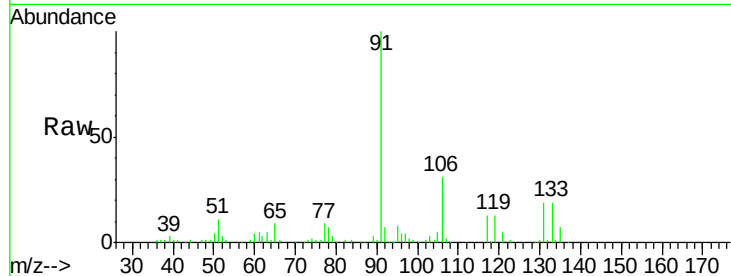




#67
Ethyl Benzene
Concen: 45.580 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

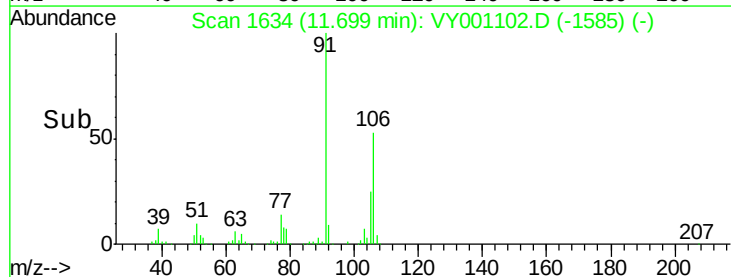
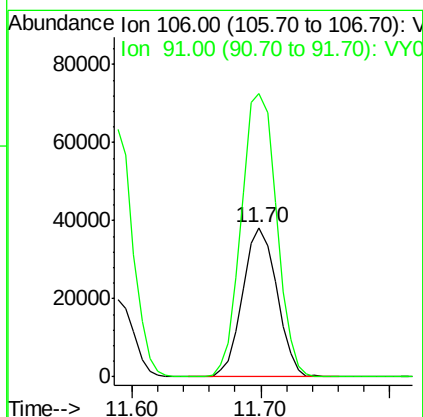
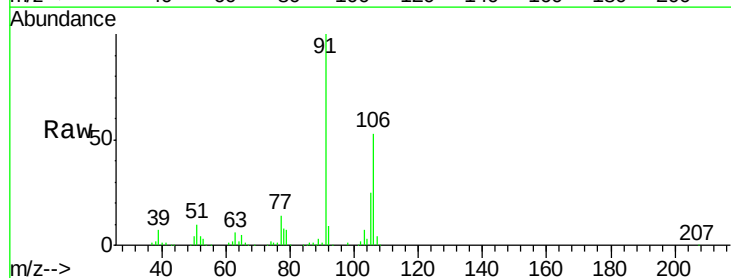
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MS

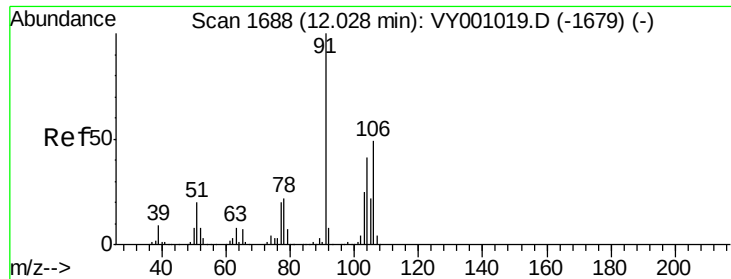
Tgt Ion: 91 Resp: 95500
Ion Ratio Lower Upper
91 100
106 31.3 25.3 37.9



#68
m/p-Xylenes
Concen: 88.256 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 106 Resp: 70212
Ion Ratio Lower Upper
106 100
91 195.7 156.4 234.6

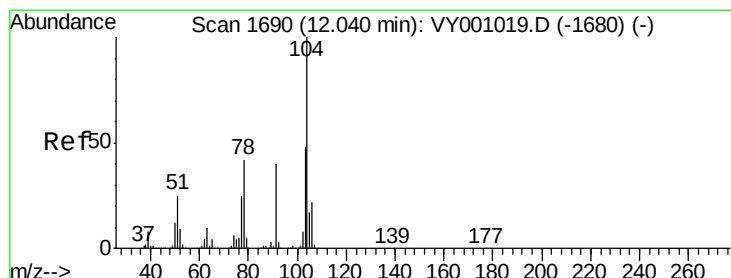
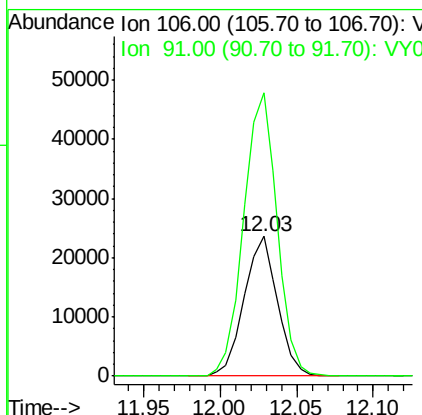
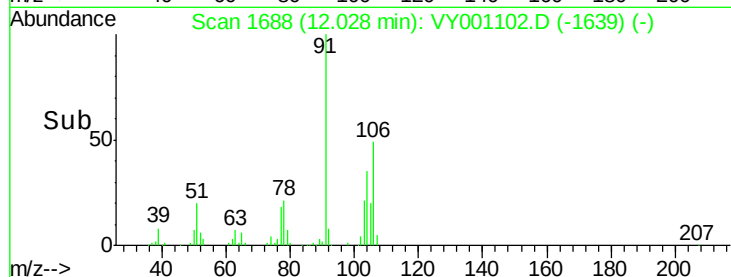
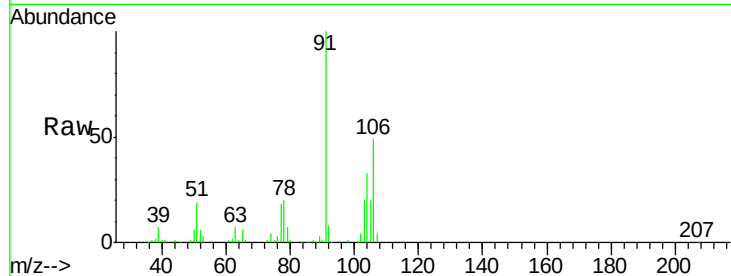




#69
o-Xylene
Concen: 47.681 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

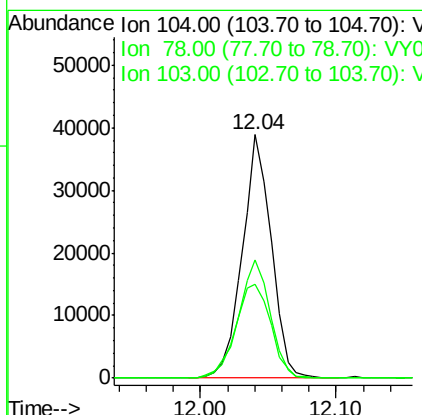
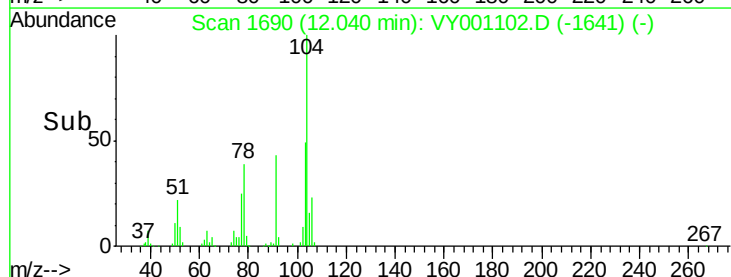
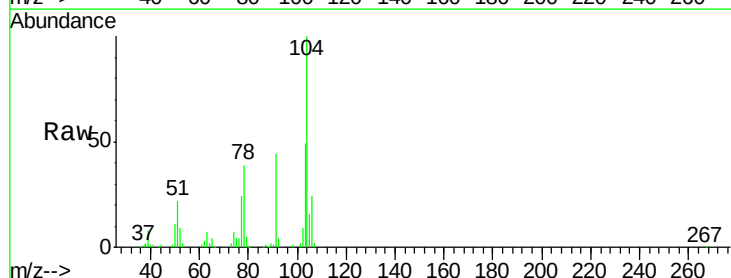
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MS

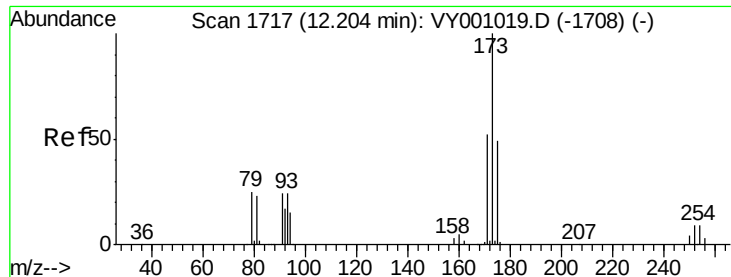
Tgt Ion:106 Resp: 35686
Ion Ratio Lower Upper
106 100
91 202.9 103.0 309.0



#70
Styrene
Concen: 45.597 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:104 Resp: 58026
Ion Ratio Lower Upper
104 100
78 46.8 36.6 54.8
103 52.9 42.6 64.0





#71

Bromoform

Concen: 50.410 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MS

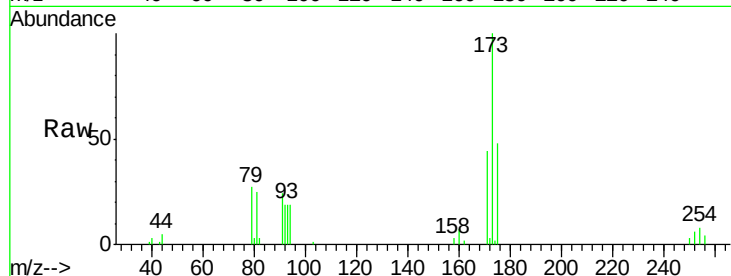
Tgt Ion:173 Resp: 10790

Ion Ratio Lower Upper

173 100

175 45.0 24.5 73.5

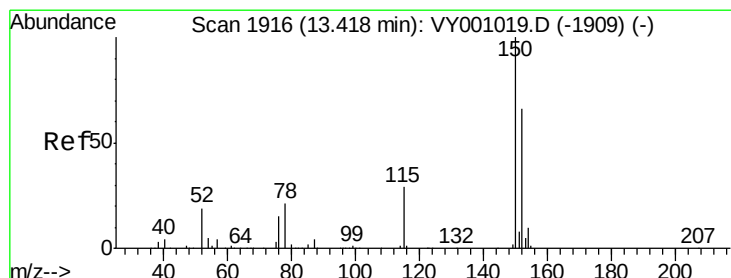
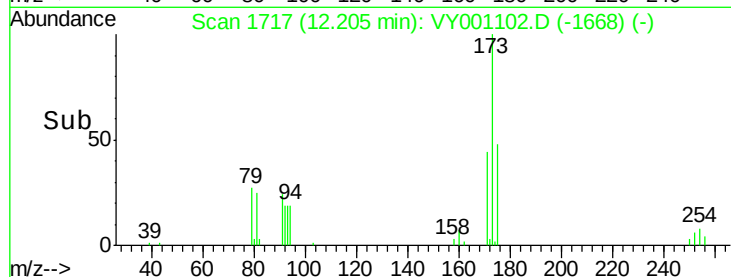
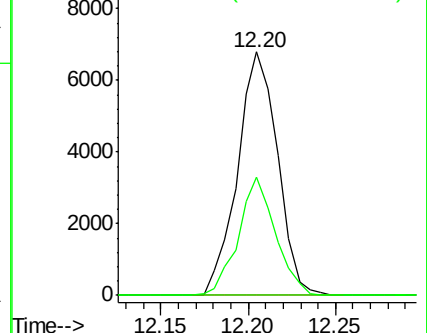
254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.01 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

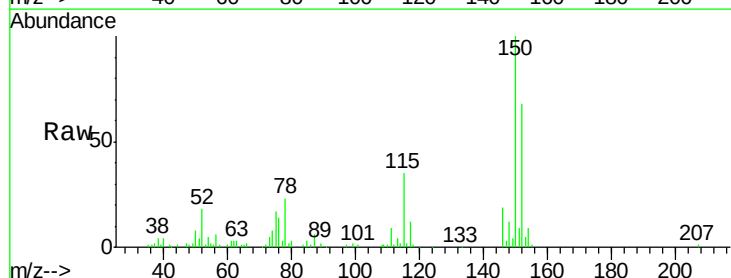
Tgt Ion:152 Resp: 25468

Ion Ratio Lower Upper

152 100

115 54.5 29.8 89.3

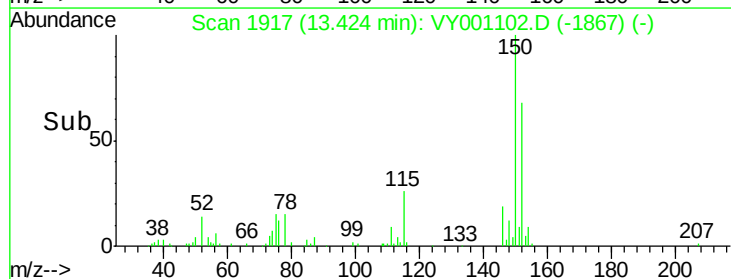
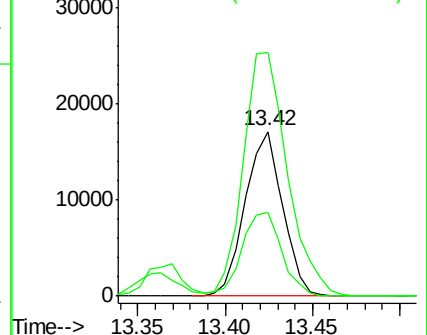
150 174.8 0.0 352.6

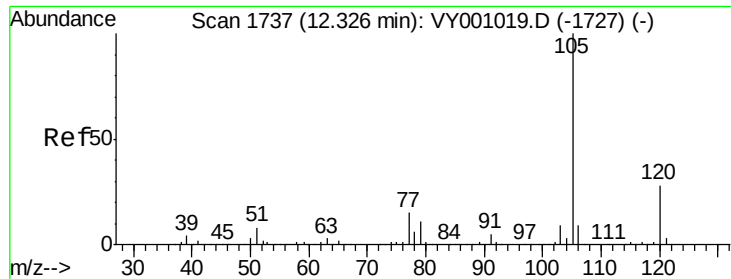


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

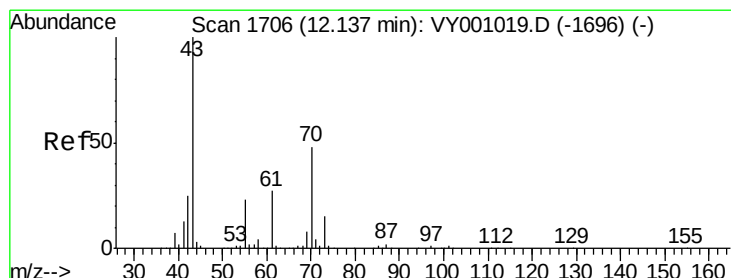
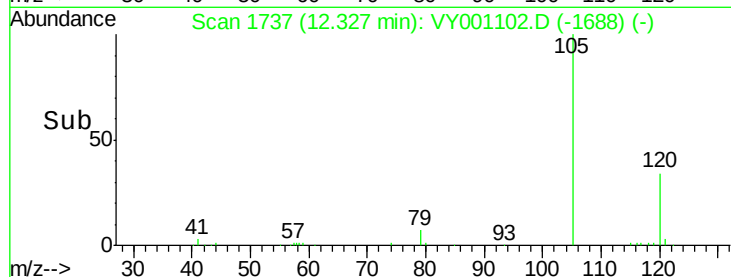
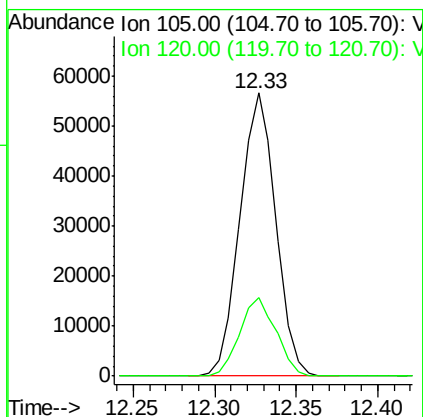
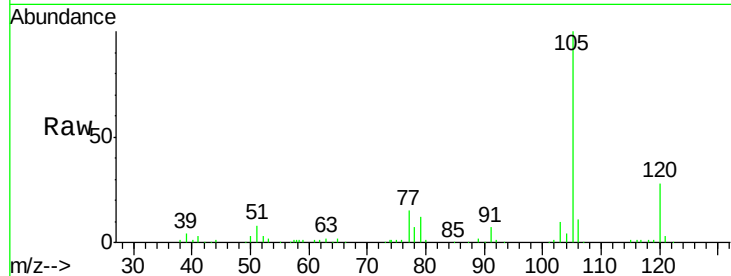




#73
Isopropylbenzene
Concen: 43.874 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

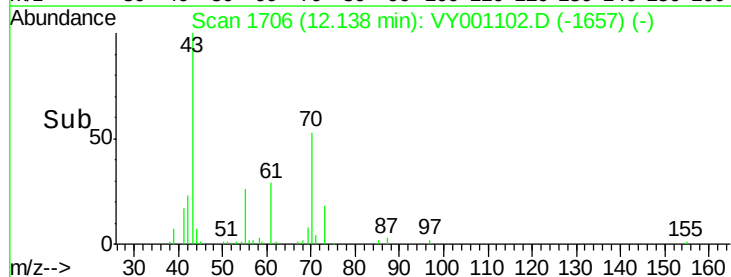
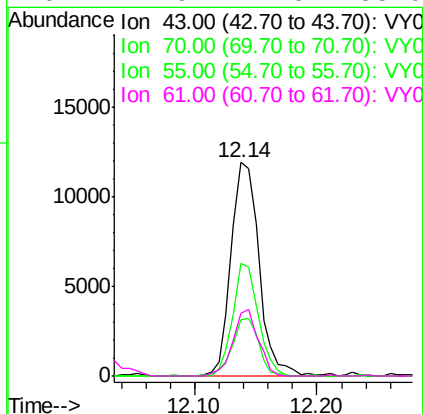
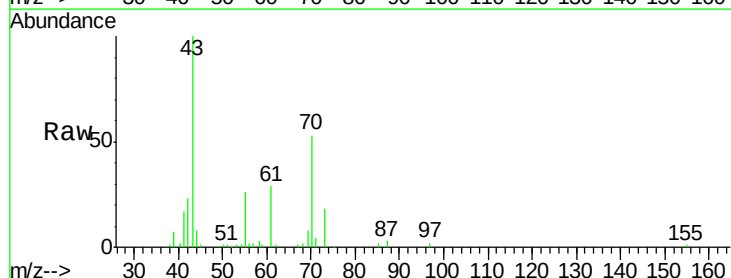
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MS

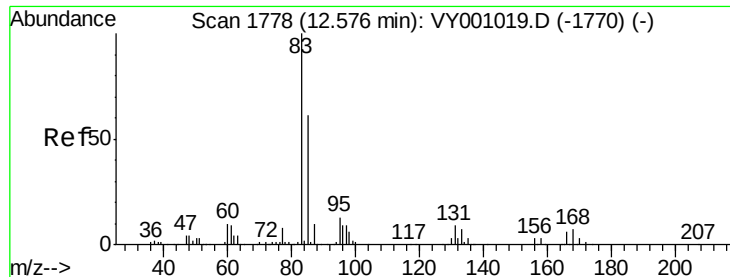
Tgt Ion: 105 Resp: 86468
Ion Ratio Lower Upper
105 100
120 28.2 13.4 40.2



#74
N-ethyl acetate
Concen: 36.450 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 43 Resp: 18872
Ion Ratio Lower Upper
43 100
70 48.1 39.0 58.6
55 25.1 19.5 29.3
61 27.9 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.063 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MS

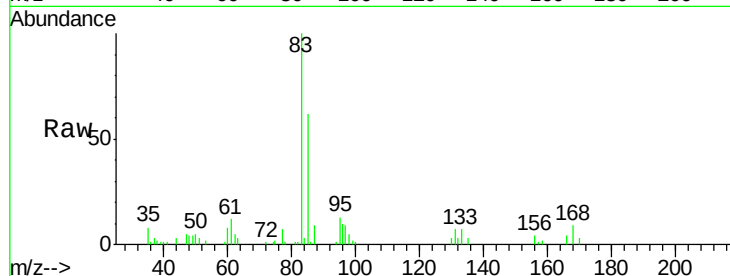
Tgt Ion: 83 Resp: 20602

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

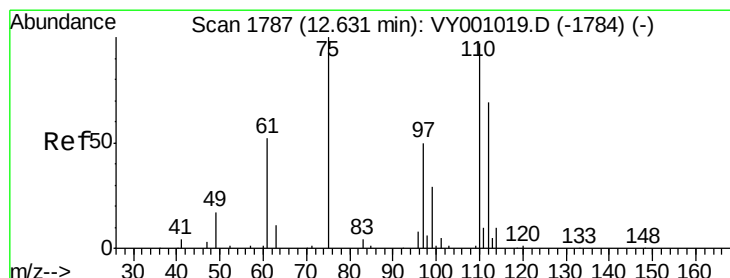
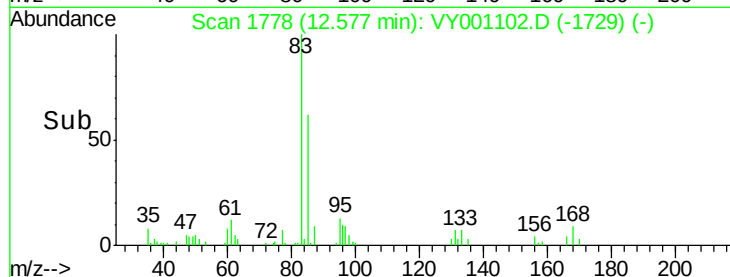
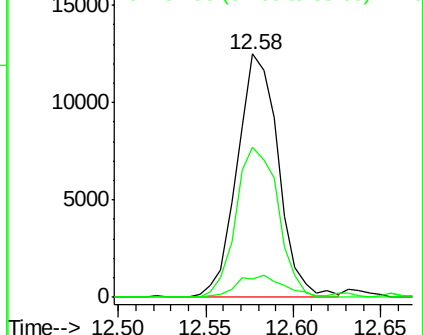
85 63.2 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 80.763 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY001102.D

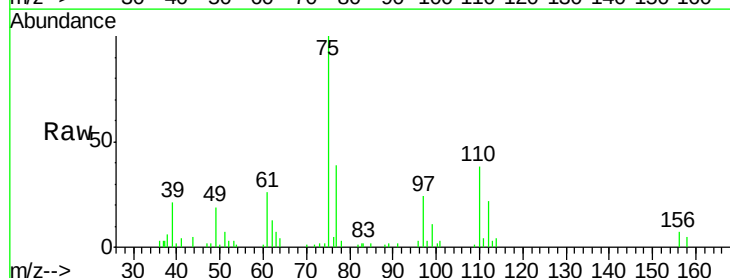
Acq: 27 Dec 2019 16:50

Tgt Ion: 75 Resp: 25357

Ion Ratio Lower Upper

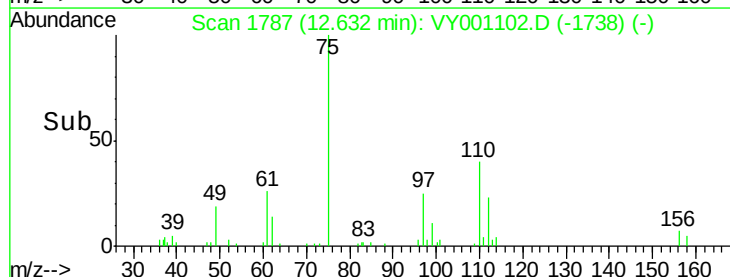
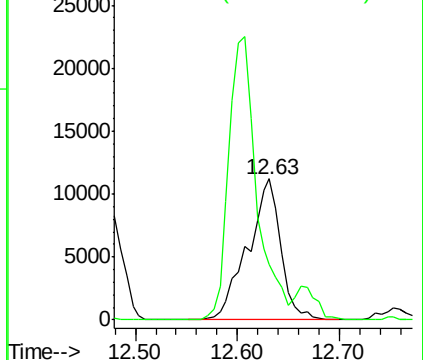
75 100

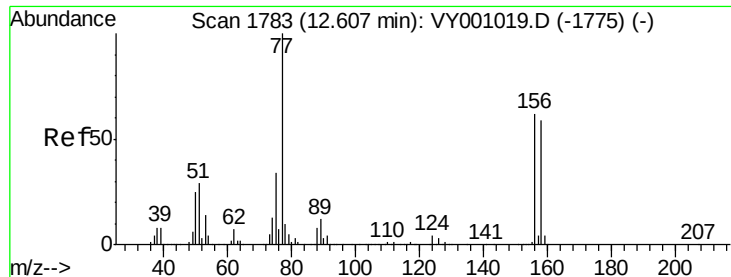
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 48.221 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MS

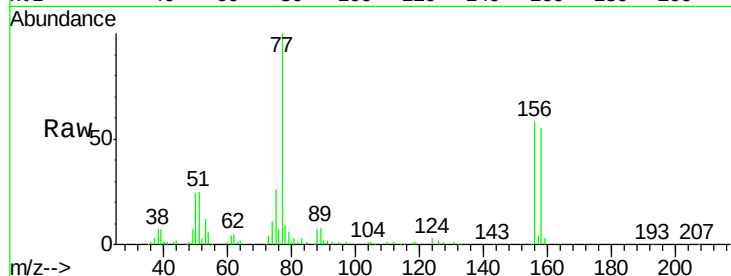
Tgt Ion:156 Resp: 21374

Ion Ratio Lower Upper

156 100

77 199.6 98.0 294.1

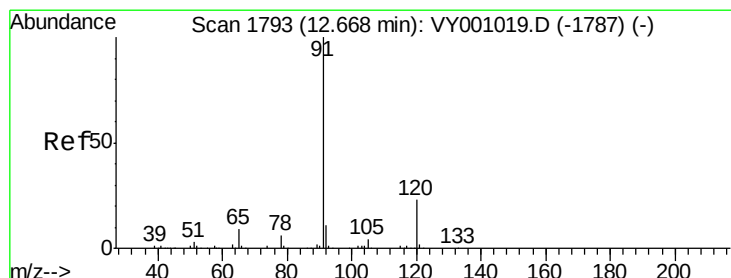
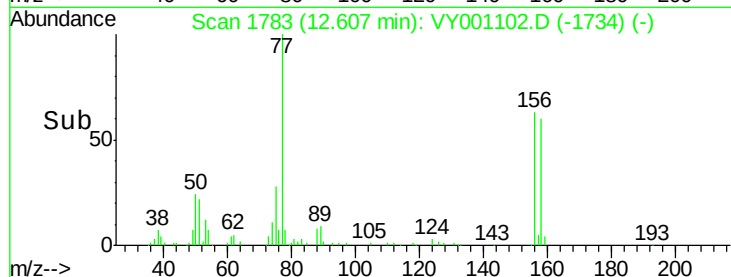
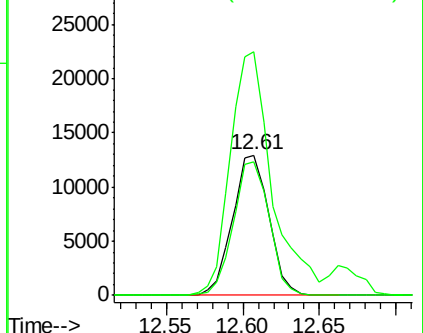
158 93.8 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 43.320 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001102.D

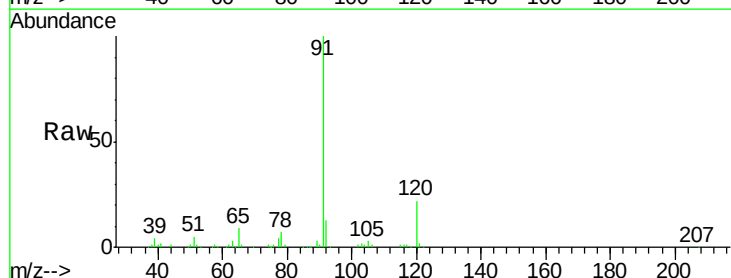
Acq: 27 Dec 2019 16:50

Tgt Ion: 91 Resp: 104031

Ion Ratio Lower Upper

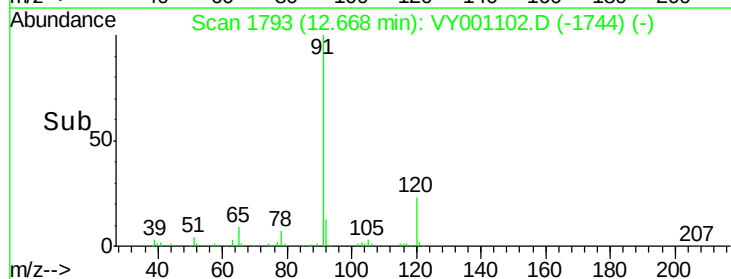
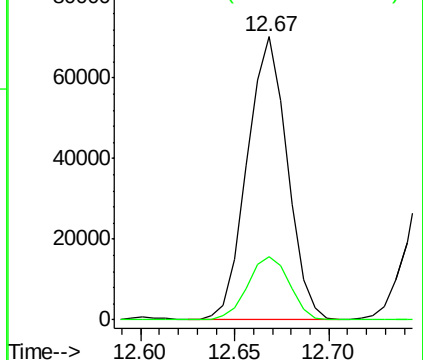
91 100

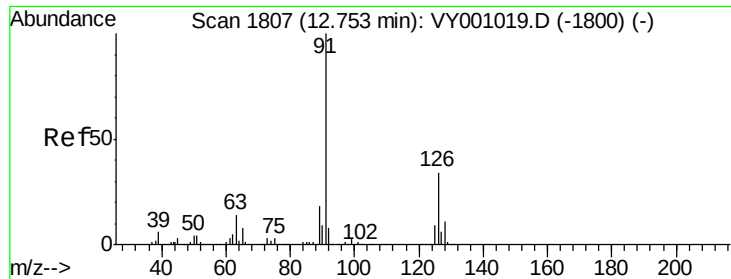
120 23.2 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

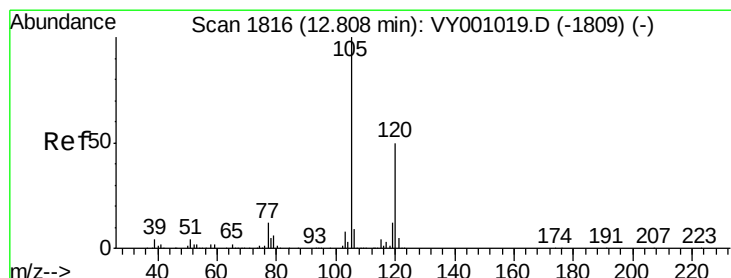
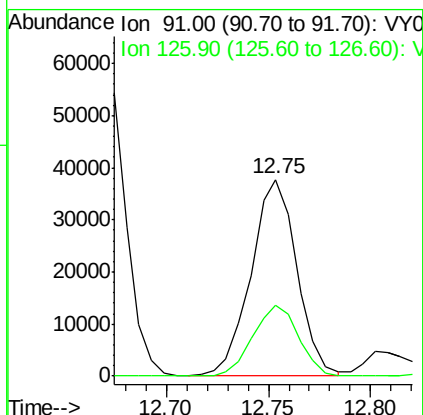
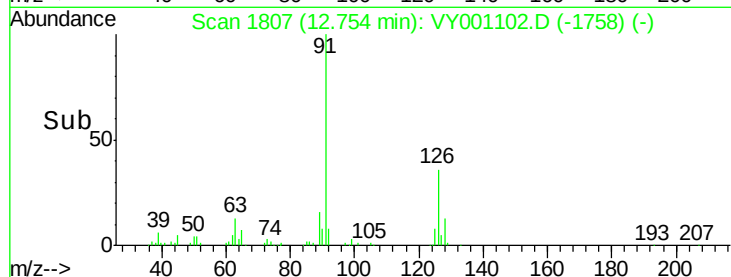
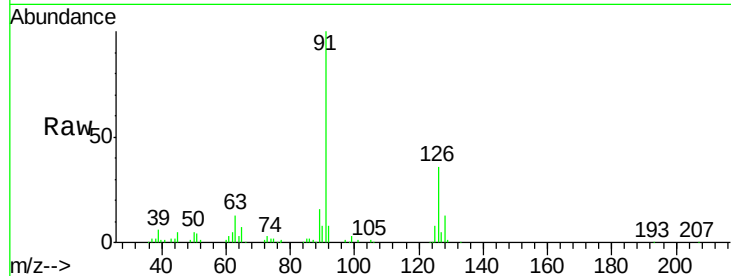




#79
 2-Chlorotoluene
 Concen: 44.536 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

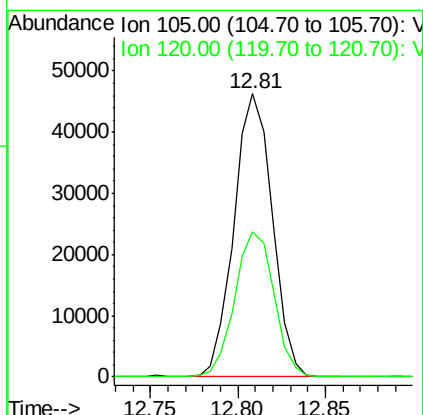
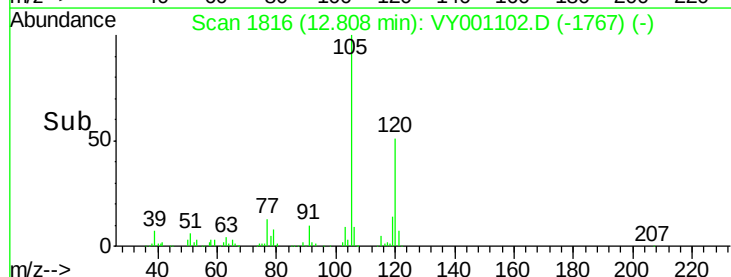
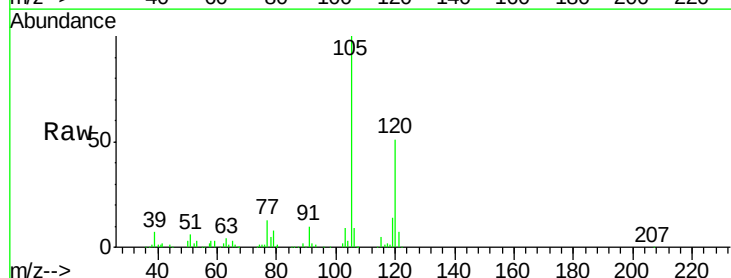
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MS

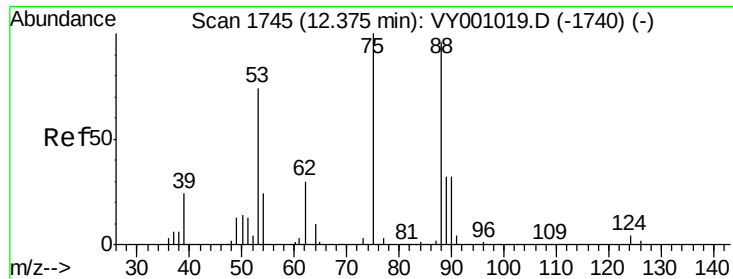
Tgt Ion: 91 Resp: 59064
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.3 51.7



#80
 1,3,5-Trimethylbenzene
 Concen: 43.702 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

Tgt Ion: 105 Resp: 70599
 Ion Ratio Lower Upper
 105 100
 120 52.3 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 30.976 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MS

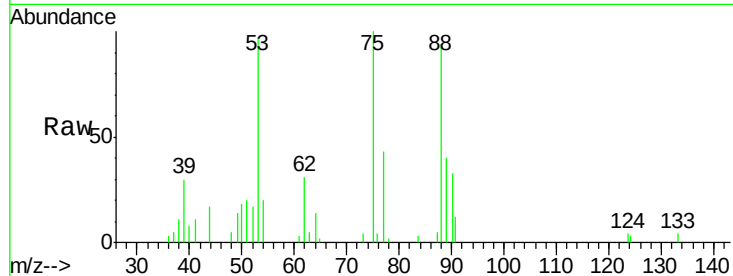
Tgt Ion: 75 Resp: 4560

Ion Ratio Lower Upper

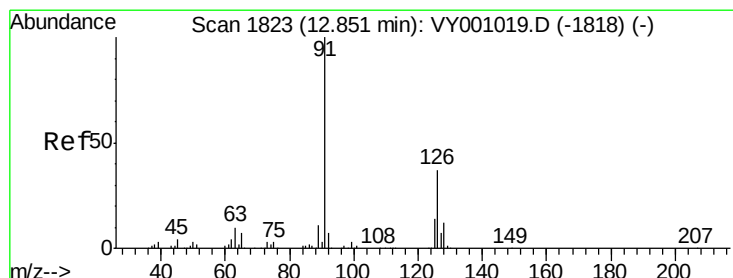
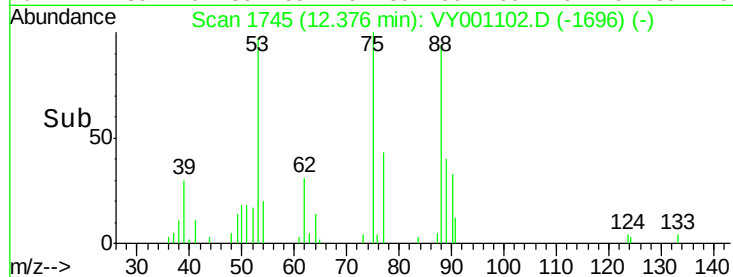
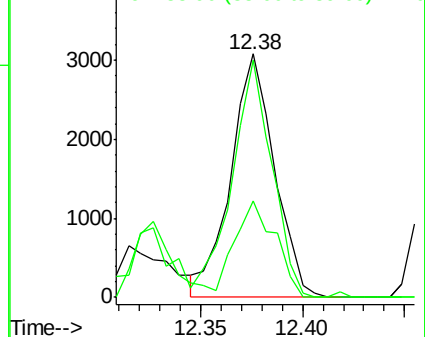
75 100

53 89.6 60.6 91.0

89 36.3 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 44.976 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY001102.D

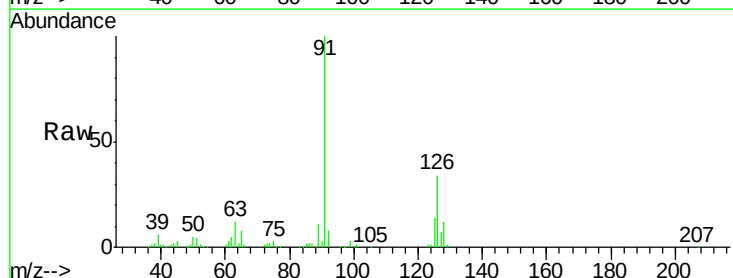
Acq: 27 Dec 2019 16:50

Tgt Ion: 91 Resp: 61954

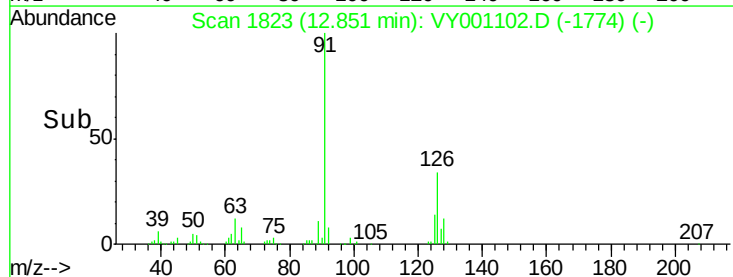
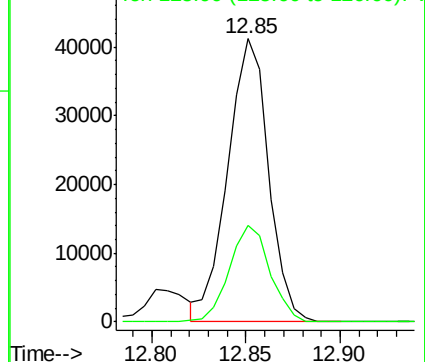
Ion Ratio Lower Upper

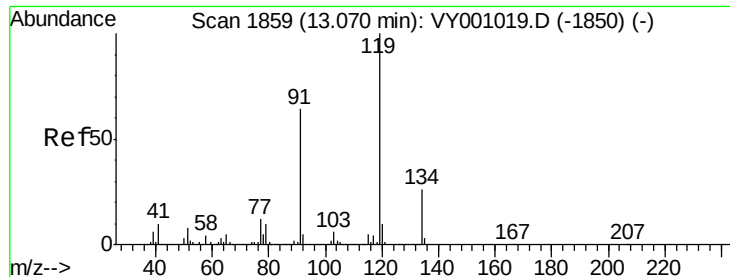
91 100

126 33.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V

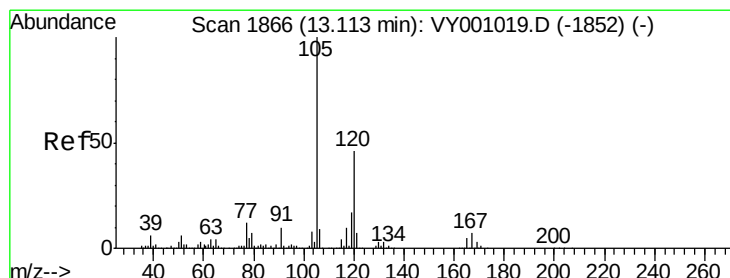
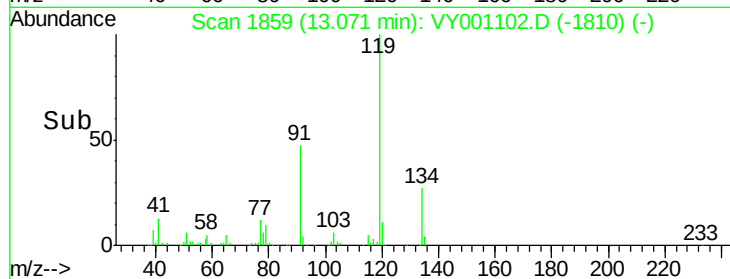
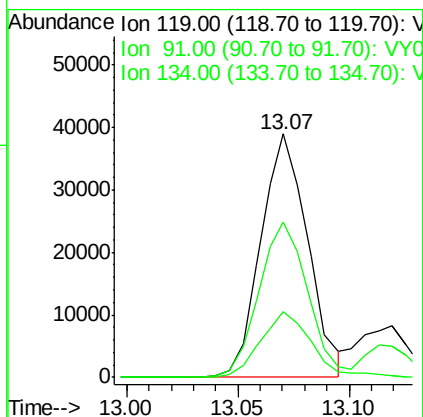
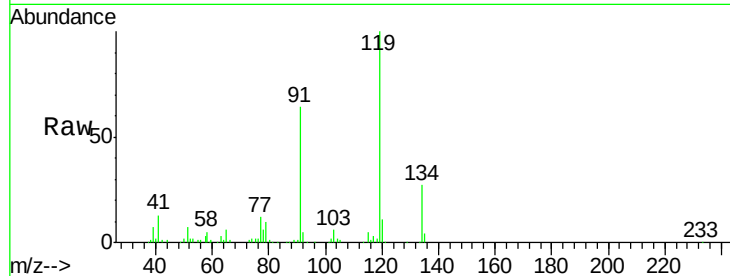




#83
 tert-Butylbenzene
 Concen: 42.050 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

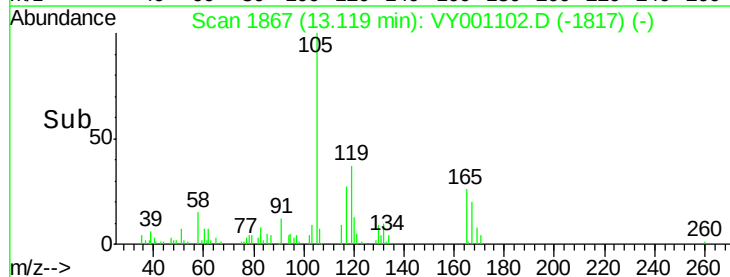
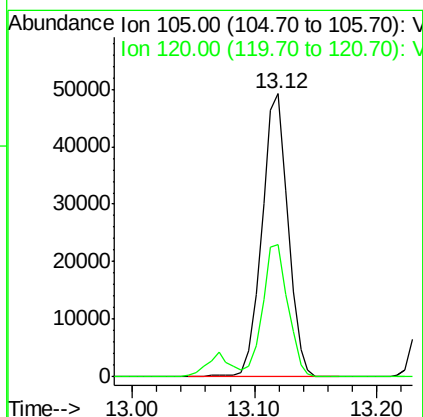
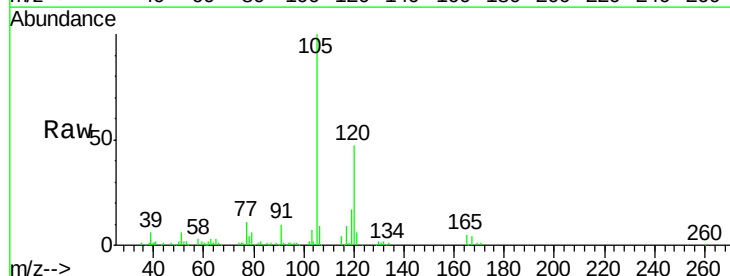
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MS

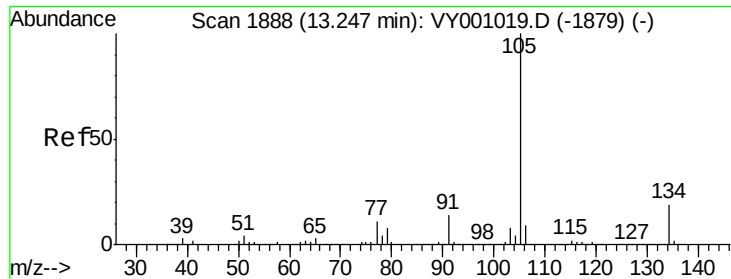
Tgt Ion:119 Resp: 57023
 Ion Ratio Lower Upper
 119 100
 91 66.9 31.9 95.7
 134 29.3 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 45.023 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

Tgt Ion:105 Resp: 73089
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.4 70.2





#85

sec-Butylbenzene

Concen: 41.764 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

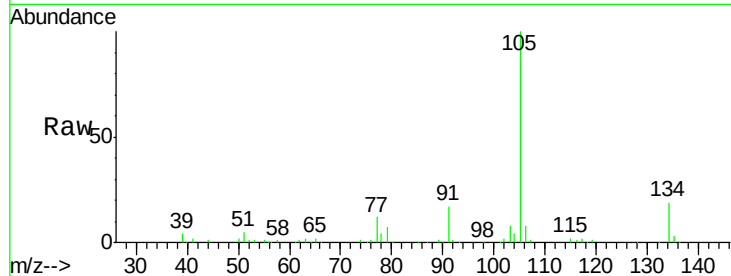
LIED-BF001-01MS

Tgt Ion:105 Resp: 83493

Ion Ratio Lower Upper

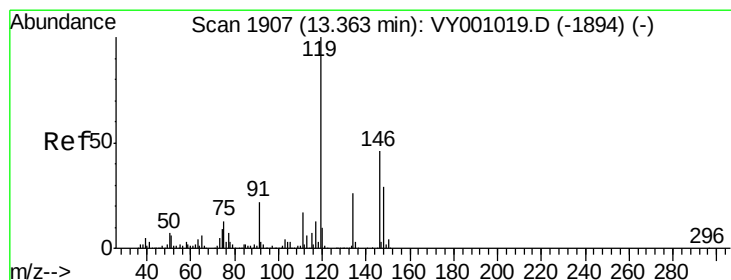
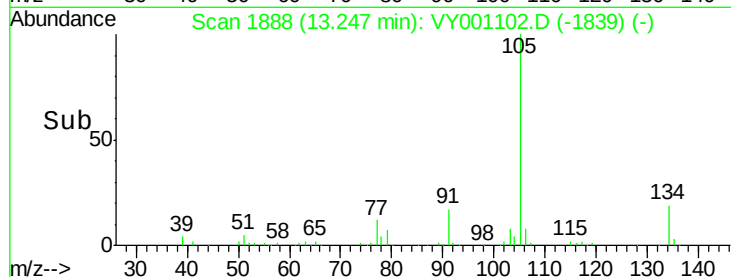
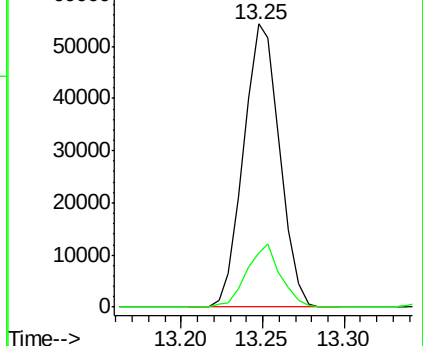
105 100

134 20.8 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 42.384 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

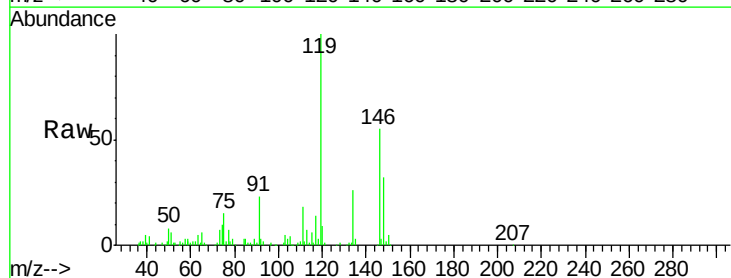
Tgt Ion:119 Resp: 73319

Ion Ratio Lower Upper

119 100

134 27.7 13.6 40.7

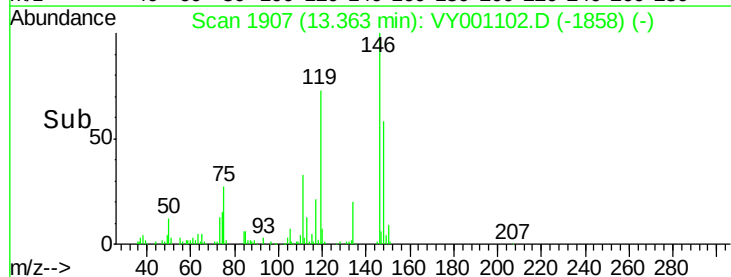
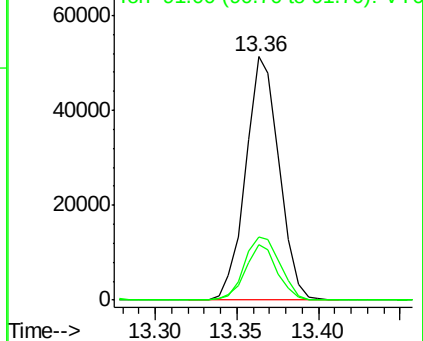
91 21.7 11.4 34.1

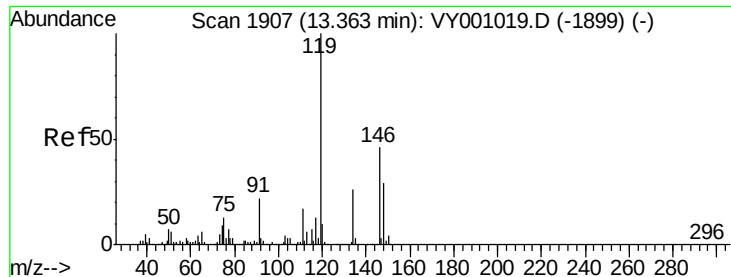


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 46.744 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MS

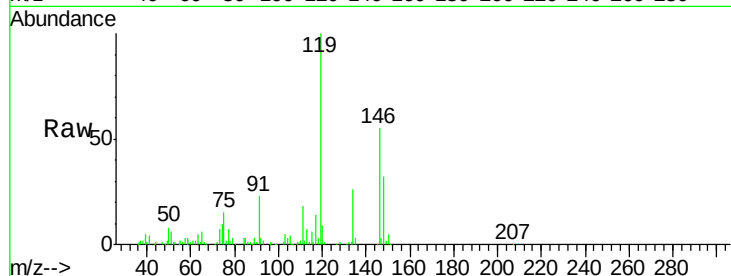
Tgt Ion:146 Resp: 39793

Ion Ratio Lower Upper

146 100

111 36.8 19.7 59.0

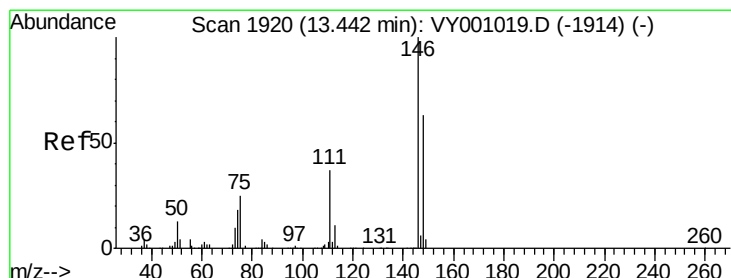
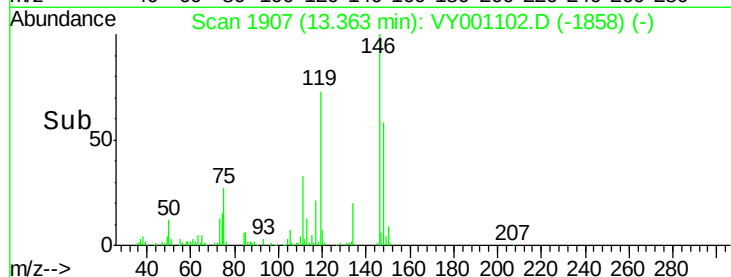
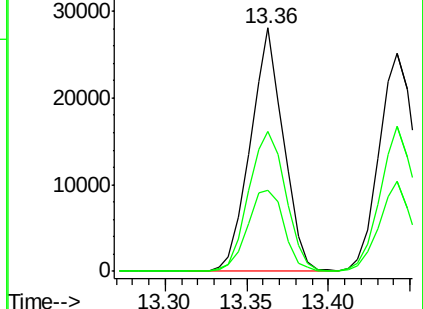
148 64.1 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 44.912 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY001102.D

Acq: 27 Dec 2019 16:50

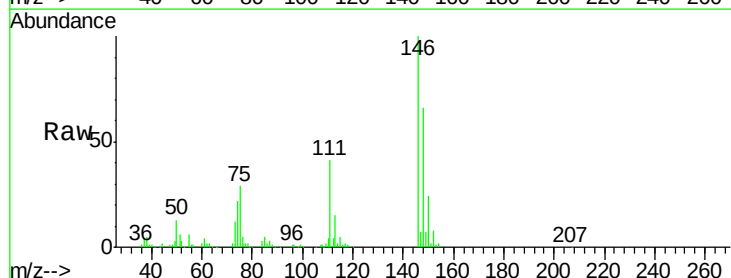
Tgt Ion:146 Resp: 38569

Ion Ratio Lower Upper

146 100

111 37.5 19.4 58.2

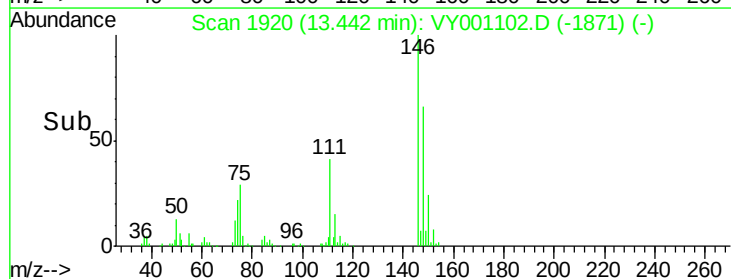
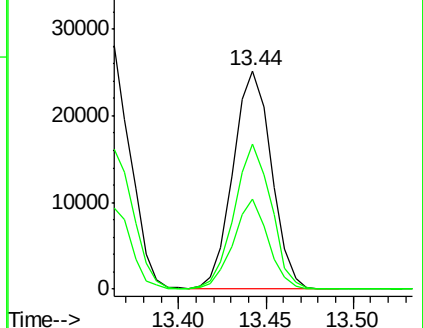
148 64.0 31.8 95.3

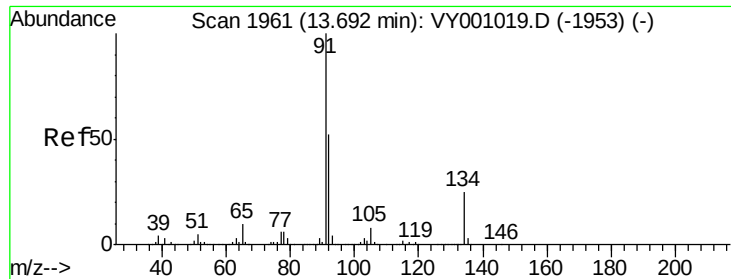


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

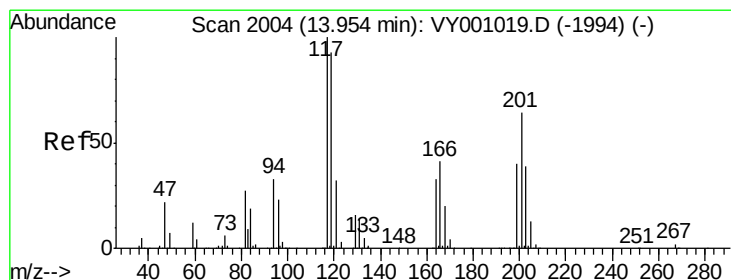
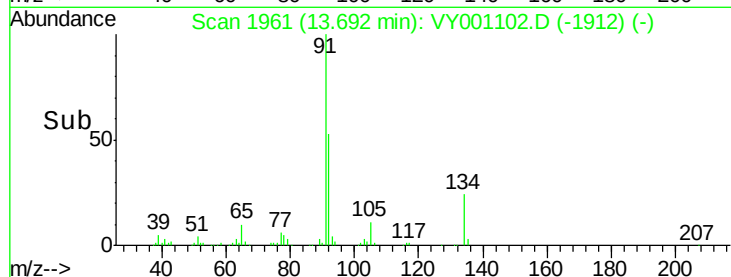
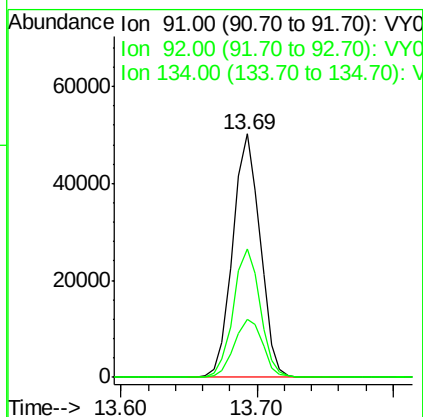
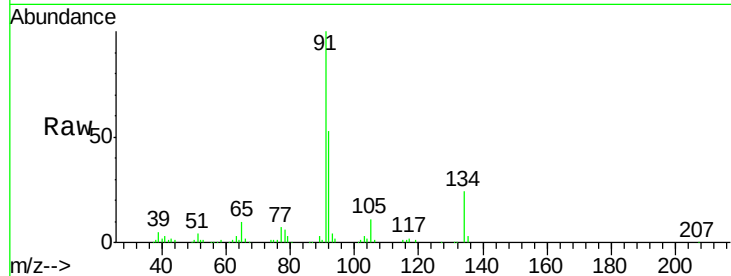




#89
n-Butylbenzene
Concen: 40.497 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

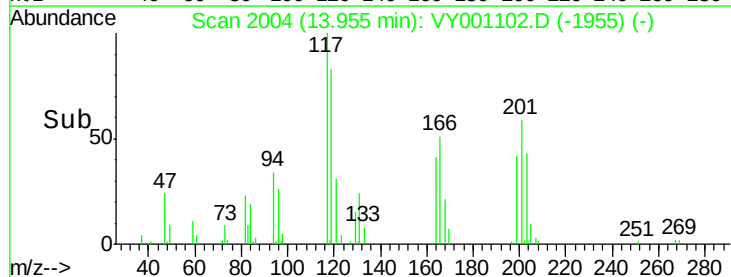
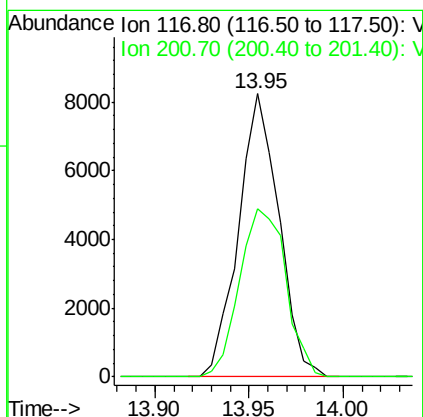
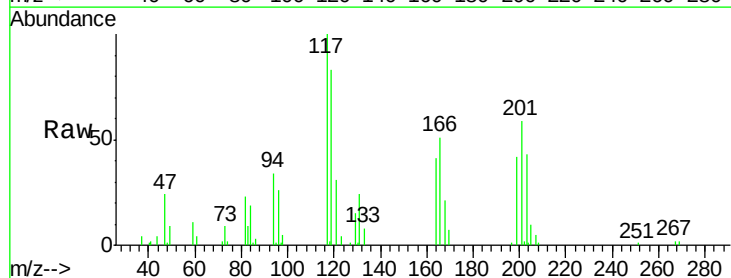
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MS

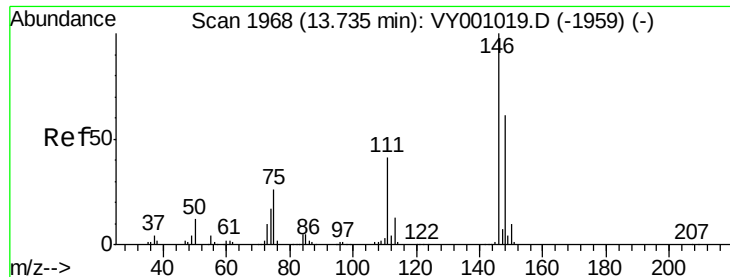
Tgt Ion: 91 Resp: 70483
Ion Ratio Lower Upper
91 100
92 52.0 26.9 80.7
134 25.2 12.7 38.0



#90
Hexachloroethane
Concen: 37.510 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 117 Resp: 12225
Ion Ratio Lower Upper
117 100
201 68.2 33.7 101.1

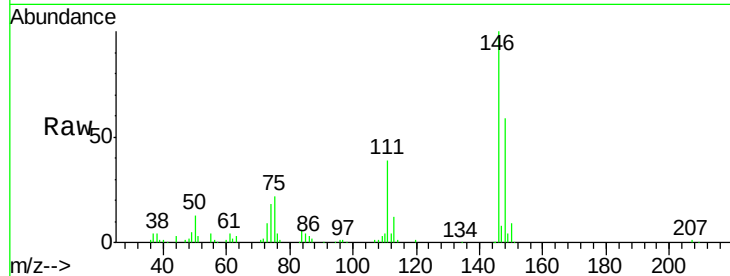




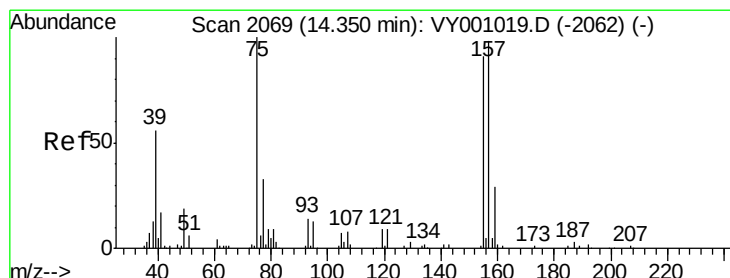
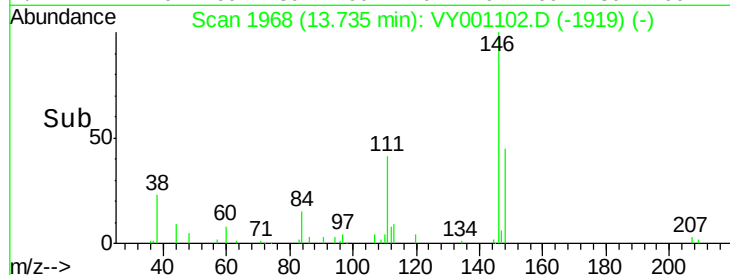
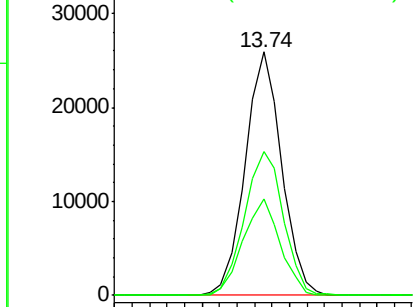
#91
 1,2-Dichlorobenzene
 Concen: 47.763 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MS

Tgt Ion: 146 Resp: 37507
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.6 61.9
 148 63.1 31.6 94.7

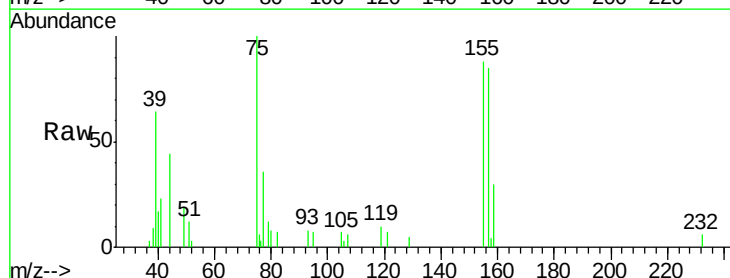


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

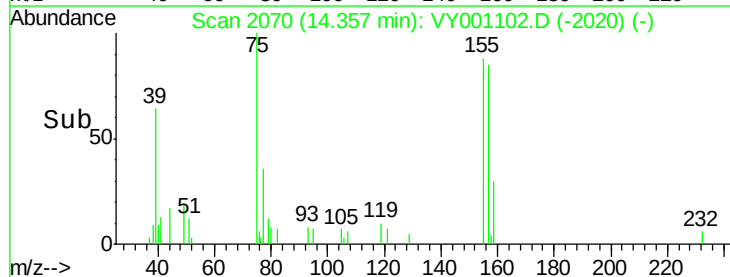
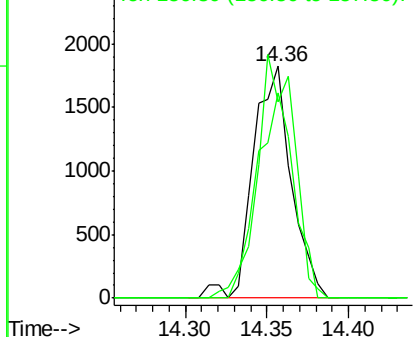


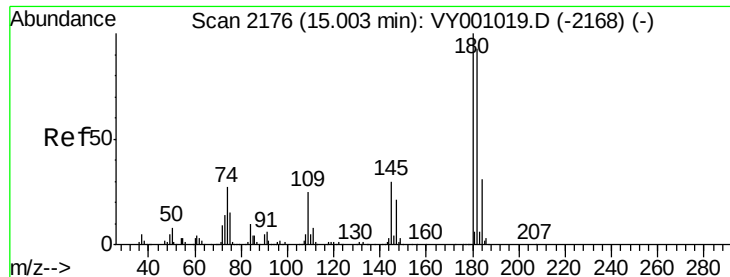
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.522 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

Tgt Ion: 75 Resp: 2957
 Ion Ratio Lower Upper
 75 100
 155 86.4 46.3 138.9
 157 101.7 58.1 174.4



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

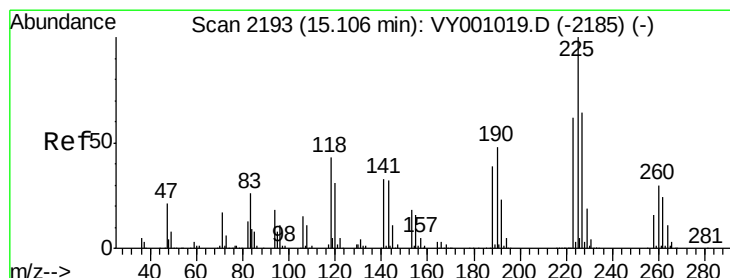
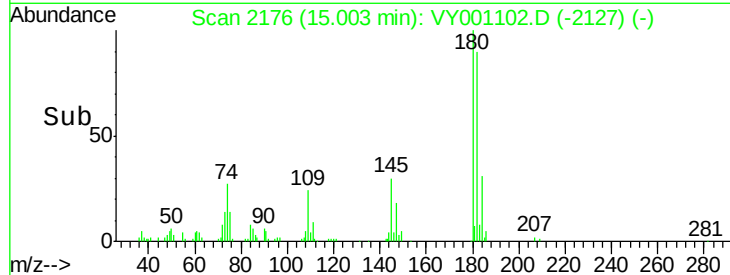
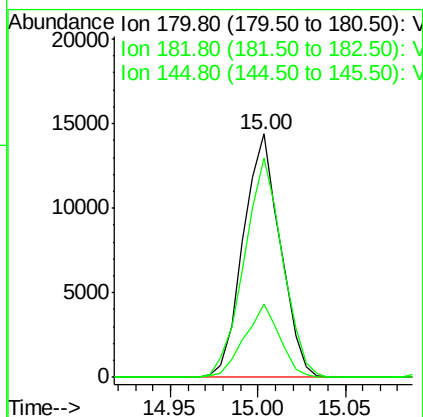
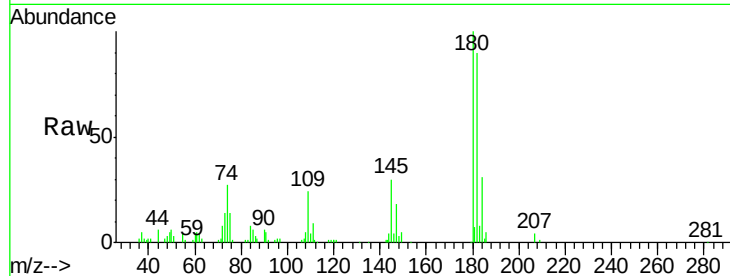




#93
 1,2,4-Trichlorobenzene
 Concen: 39.847 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

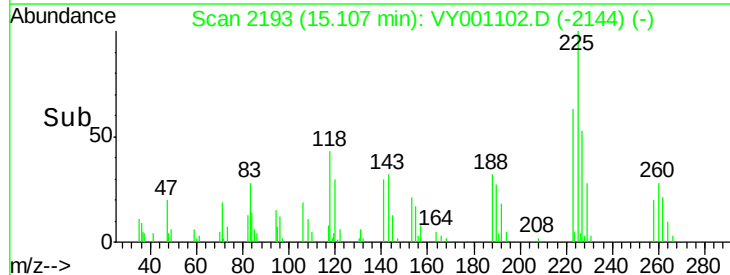
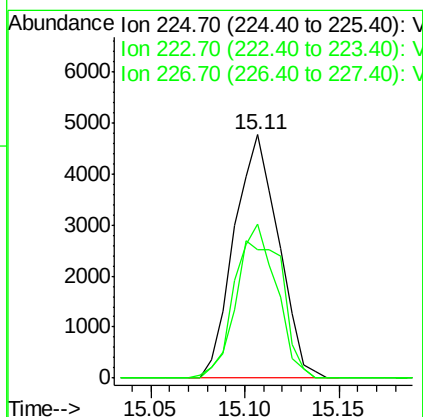
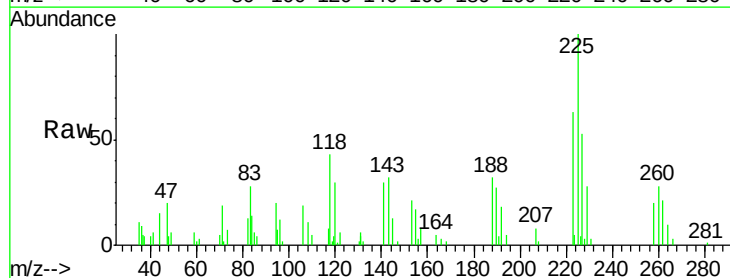
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MS

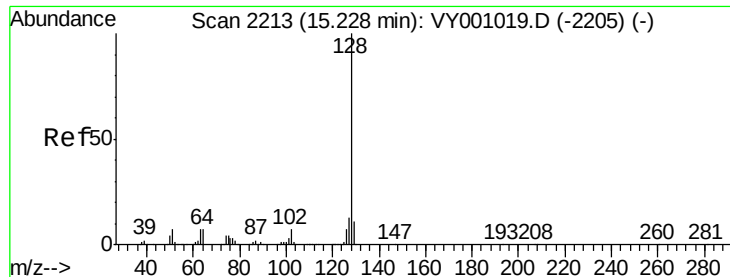
Tgt Ion:180 Resp: 21121
 Ion Ratio Lower Upper
 180 100
 182 93.9 46.8 140.3
 145 28.8 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 30.813 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001102.D
 Acq: 27 Dec 2019 16:50

Tgt Ion:225 Resp: 7772
 Ion Ratio Lower Upper
 225 100
 223 59.6 31.6 94.8
 227 61.2 31.9 95.5

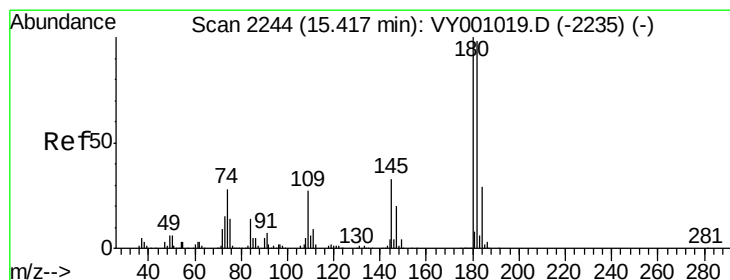
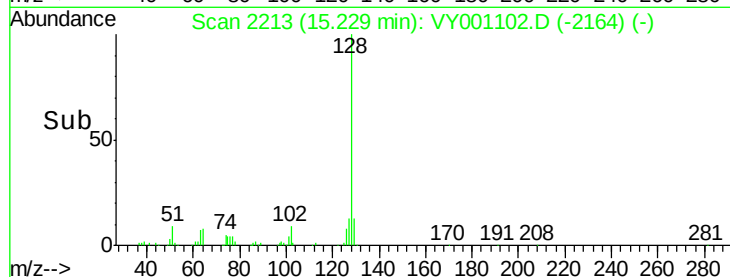
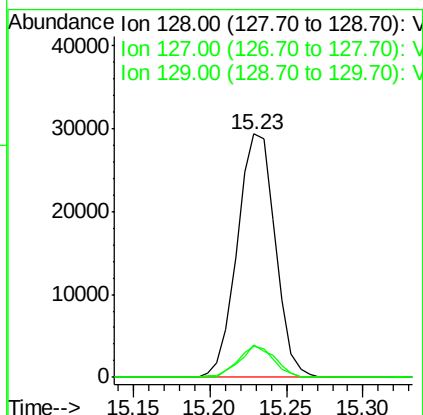
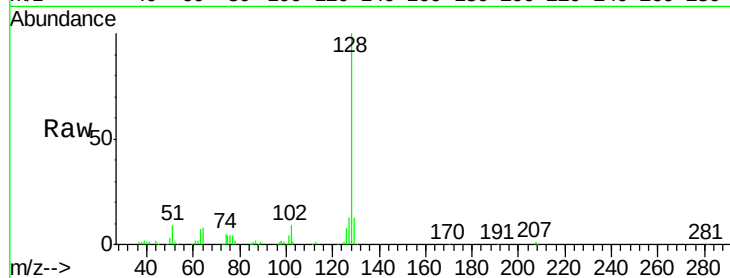




#95
Naphthalene
Concen: 40.493 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MS

Tgt Ion:128 Resp: 50476
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 12.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 40.104 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:180 Resp: 18957
Ion Ratio Lower Upper
180 100
182 96.3 47.9 143.8
145 34.6 16.3 48.9

