

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
 Data File : VY001103.D
 Acq On : 27 Dec 2019 17:11
 Operator : SY/MD
 Sample : K6439-03MSD
 Misc : 5.07G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MSD

Quant Time: Dec 28 04:04:16 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	267846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	484883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	420015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	179604	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	135611	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
35) Dibromofluoromethane	7.73	113	145404	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.18	98	607934	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
62) 4-Bromofluorobenzene	12.48	95	189721	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	97222	41.656	ug/l	100
3) Chloromethane	2.12	50	114188	35.948	ug/l	99
4) Vinyl Chloride	2.25	62	121805	39.485	ug/l	98
5) Bromomethane	2.65	94	80592	40.810	ug/l	93
6) Chloroethane	2.79	64	79131	41.185	ug/l	94
7) Trichlorofluoromethane	3.13	101	196997	43.539	ug/l	93
8) Diethyl Ether	3.54	74	88345	47.833	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	136170	45.815	ug/l	98
10) Methyl Iodide	4.10	142	181056	44.091	ug/l	99
11) Tert butyl alcohol	4.96	59	60975	209.923	ug/l	99
12) 1,1-Dichloroethene	3.88	96	138481	46.022	ug/l	98
13) Acrolein	3.74	56	75054	208.545	ug/l	97
14) Allyl chloride	4.49	41	207654	44.423	ug/l	98
15) Acrylonitrile	5.18	53	212603	230.324	ug/l	99
16) Acetone	3.96	43	134851	221.584	ug/l	95
17) Carbon Disulfide	4.19	76	358637	36.474	ug/l	99
18) Methyl Acetate	4.49	43	164919	70.634	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	373708	48.119	ug/l	95
20) Methylene Chloride	4.72	84	168849	47.137	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	159255	47.756	ug/l	98
22) Diisopropyl ether	6.13	45	452454	47.887	ug/l	98
23) Vinyl Acetate	6.07	43	1042144	174.648	ug/l	97
24) 1,1-Dichloroethane	6.02	63	271128	48.558	ug/l	98
25) 2-Butanone	7.00	43	231209	216.262	ug/l	93
26) 2,2-Dichloropropane	6.99	77	206654	45.048	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	182327	49.766	ug/l	97
28) Bromochloromethane	7.35	49	119906	55.039	ug/l	91
29) Tetrahydrofuran	7.36	42	158817	208.835	ug/l	95
30) Chloroform	7.52	83	264958	50.184	ug/l	99
31) Cyclohexane	7.79	56	220643	37.580	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	216977	48.176	ug/l	99
36) 1,1-Dichloropropene	7.93	75	207984	44.962	ug/l	99
37) Ethyl Acetate	7.08	43	96009	37.484	ug/l	97
38) Carbon Tetrachloride	7.91	117	186982	46.136	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	222809	36.272	ug/l	98
40) Benzene	8.17	78	665658	47.700	ug/l	99
41) Methacrylonitrile	7.36	41	137889	124.172	ug/l #	100
42) 1,2-Dichloroethane	8.25	62	152912	45.831	ug/l	100
43) Isopropyl Acetate	8.28	43	191485	40.385	ug/l	96
44) Trichloroethene	8.94	130	173090	47.075	ug/l	99
45) 1,2-Dichloropropane	9.22	63	166430	47.539	ug/l	98
46) Dibromomethane	9.31	93	87791	48.646	ug/l	99
47) Bromodichloromethane	9.50	83	203259	48.623	ug/l	98
48) Methyl methacrylate	9.30	41	87845	43.416	ug/l	92
49) 1,4-Dioxane	9.30	88	22350	846.611	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	507237	205.251	ug/l	97
52) Toluene	10.24	92	412711	48.049	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	212940	46.936	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	259986	47.657	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	132545	49.197	ug/l	95
56) Ethyl methacrylate	10.51	69	166952	43.540	ug/l	94
57) 1,3-Dichloropropane	10.79	76	222941	47.209	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	282234	190.569	ug/l	100
59) 2-Hexanone	10.83	43	344545	201.489	ug/l	97
60) Dibromochloromethane	10.99	129	141892	49.305	ug/l	99
61) 1,2-Dibromoethane	11.09	107	120238	46.670	ug/l	99
64) Tetrachloroethene	10.72	164	171197	47.108	ug/l	98
65) Chlorobenzene	11.52	112	424425	48.715	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	149507	52.000	ug/l	98
67) Ethyl Benzene	11.59	91	760064	48.502	ug/l	100
68) m/p-Xylenes	11.70	106	573472	96.380	ug/l	98
69) o-Xylene	12.03	106	275758	49.263	ug/l	98
70) Styrene	12.04	104	472502	49.643	ug/l	99
71) Bromoform	12.20	173	78817	49.233	ug/l #	97
73) Isopropylbenzene	12.33	105	692022	49.791	ug/l	98
74) N-amyl acetate	12.14	43	141411	38.729	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	140665	51.375	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	185102	83.600	ug/l #	100
77) Bromobenzene	12.61	156	161537	51.678	ug/l	97
78) n-propylbenzene	12.67	91	817663	48.281	ug/l	99
79) 2-Chlorotoluene	12.75	91	460511	49.239	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	559605	49.120	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	49848	48.016	ug/l	99
82) 4-Chlorotoluene	12.85	91	475581	48.957	ug/l	99
83) tert-Butylbenzene	13.07	119	454338	47.509	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	560912	48.995	ug/l	100
85) sec-Butylbenzene	13.25	105	637280	45.202	ug/l	99
86) p-Isopropyltoluene	13.36	119	556272	45.599	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	295511	49.223	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	299560	49.464	ug/l	99
89) n-Butylbenzene	13.69	91	513024	41.798	ug/l	99
90) Hexachloroethane	13.95	117	107630	46.829	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	272394	49.187	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	21517	46.971	ug/l	99

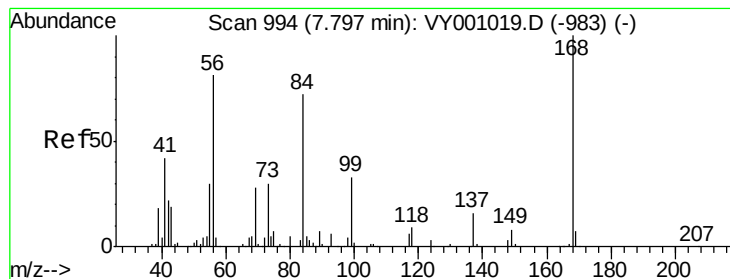
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	160742	43.003	ug/l	98
94) Hexachlorobutadiene	15.11	225	52007	29.238	ug/l	98
95) Naphthalene	15.23	128	398972	45.386	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	139980	41.992	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

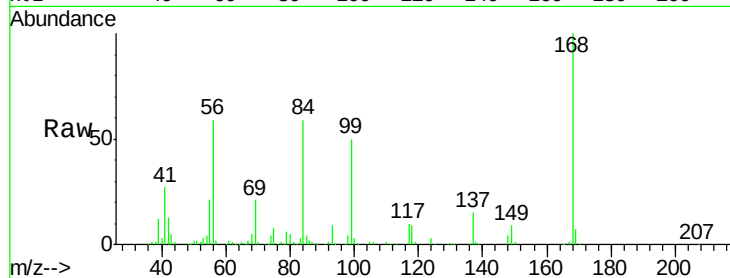
LIED-BF001-01MSD

Tgt Ion:168 Resp: 267846

Ion Ratio Lower Upper

168 100

99 49.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001103.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY001103.D (-945) (-)

7.80

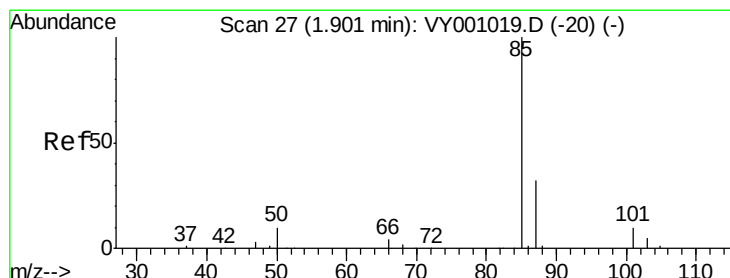
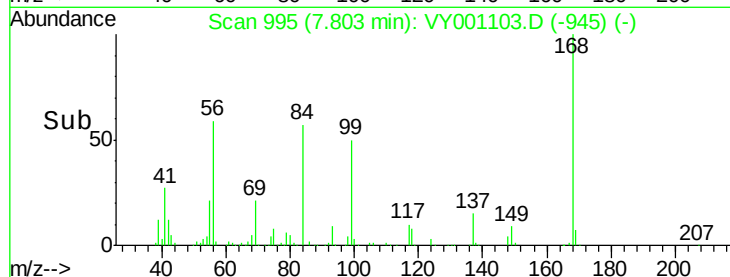
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 41.656 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001103.D

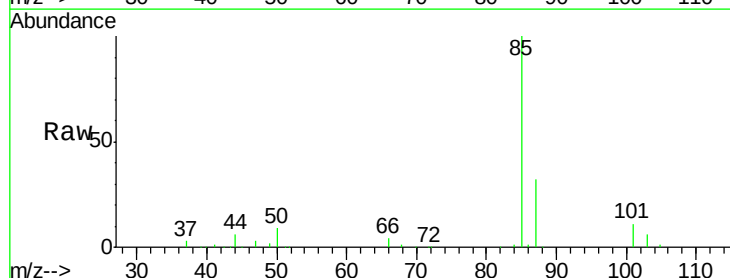
Acq: 27 Dec 2019 17:11

Tgt Ion: 85 Resp: 97222

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY001103.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001103.D (-1) (-)

1.90

60000

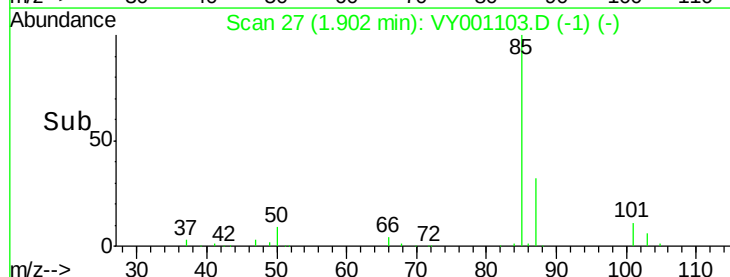
40000

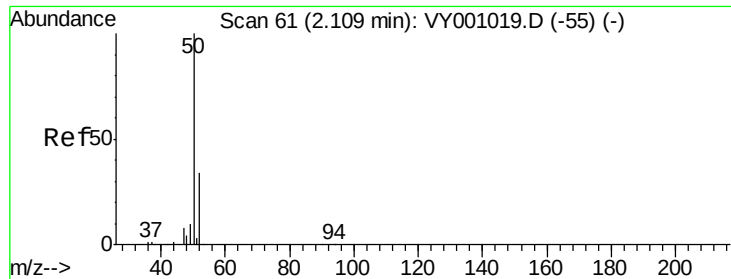
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 35.948 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

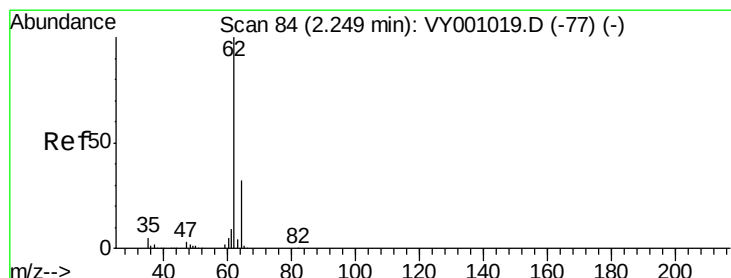
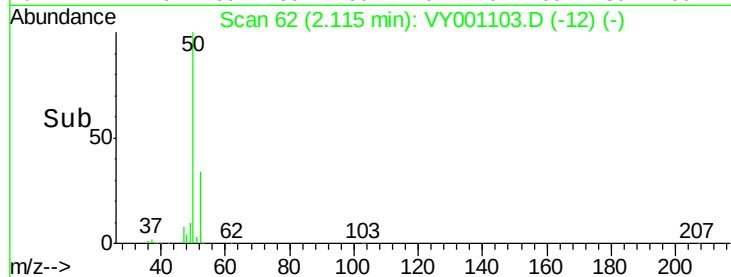
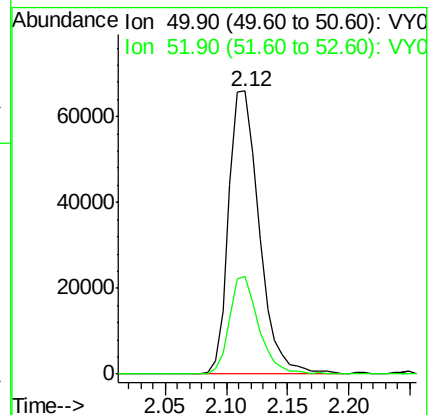
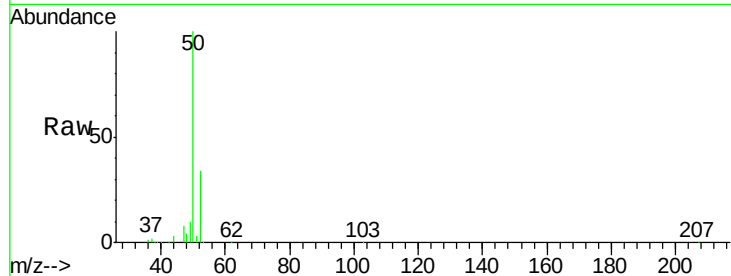
LIED-BF001-01MSD

Tgt Ion: 50 Resp: 114188

Ion Ratio Lower Upper

50 100

52 34.4 27.1 40.7



#4

Vinyl Chloride

Concen: 39.485 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY001103.D

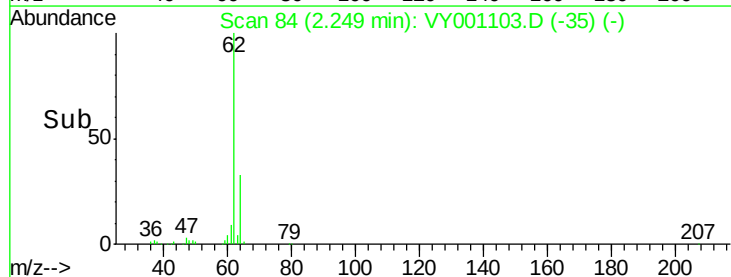
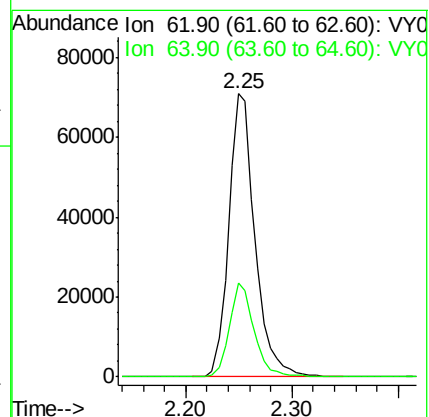
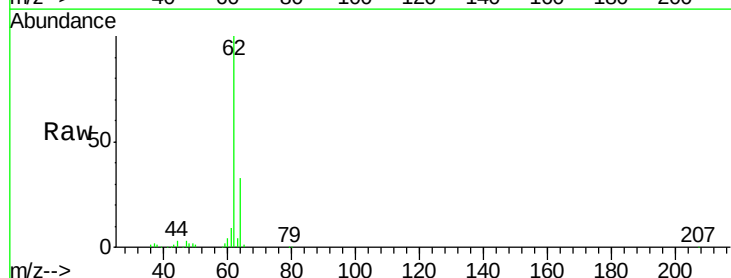
Acq: 27 Dec 2019 17:11

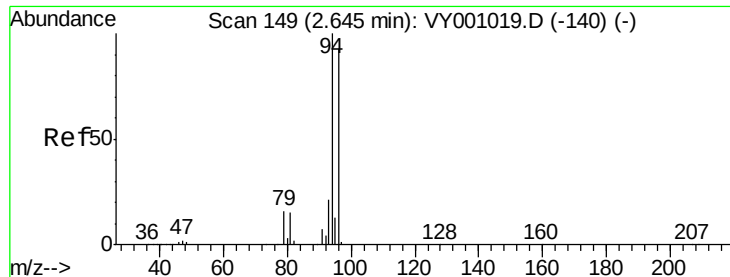
Tgt Ion: 62 Resp: 121805

Ion Ratio Lower Upper

62 100

64 33.1 25.6 38.4





#5

Bromomethane

Concen: 40.810 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

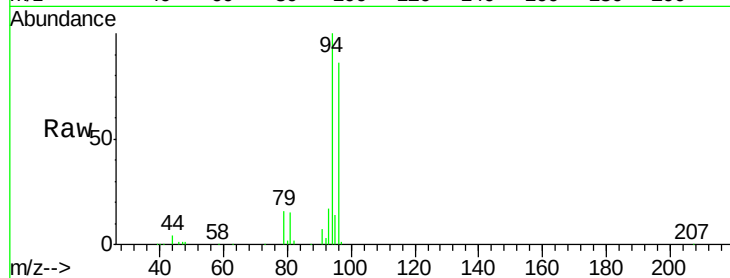
LIED-BF001-01MSD

Tgt Ion: 94 Resp: 80592

Ion Ratio Lower Upper

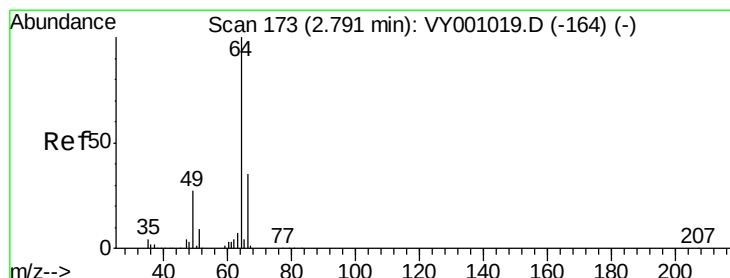
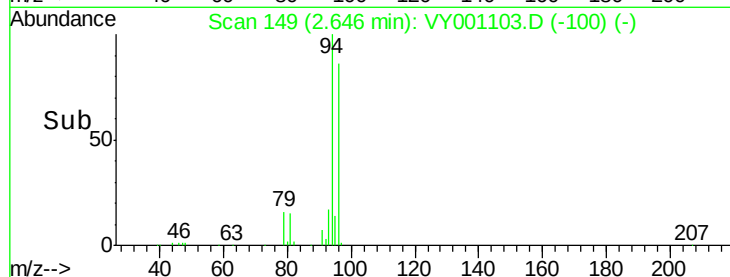
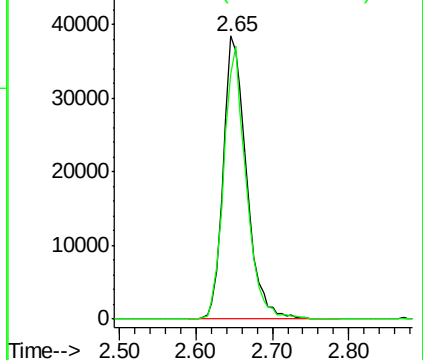
94 100

96 86.4 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: 41.185 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY001103.D

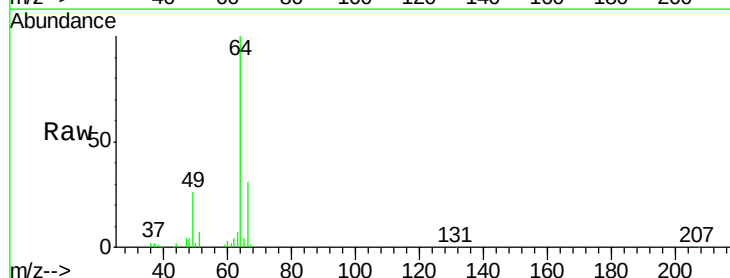
Acq: 27 Dec 2019 17:11

Tgt Ion: 64 Resp: 79131

Ion Ratio Lower Upper

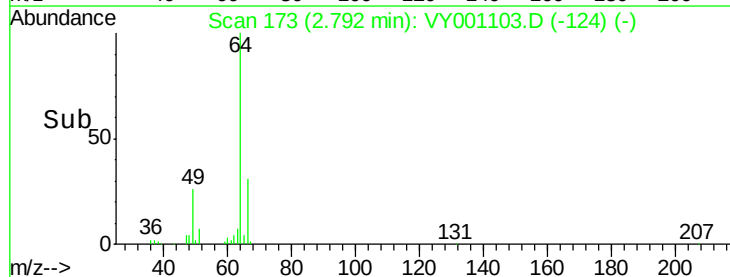
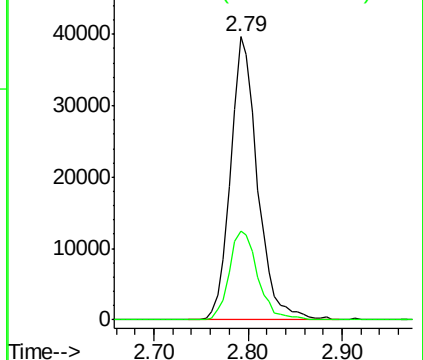
64 100

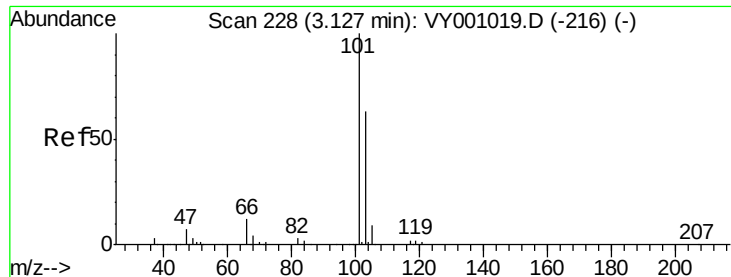
66 31.4 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



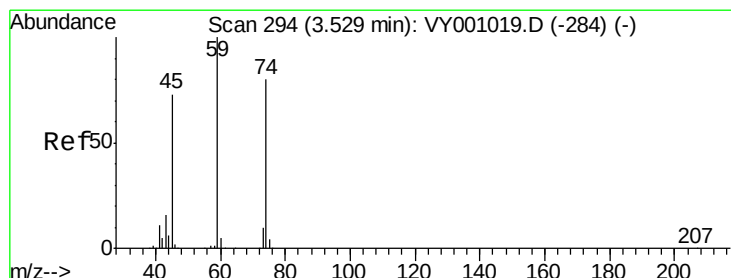
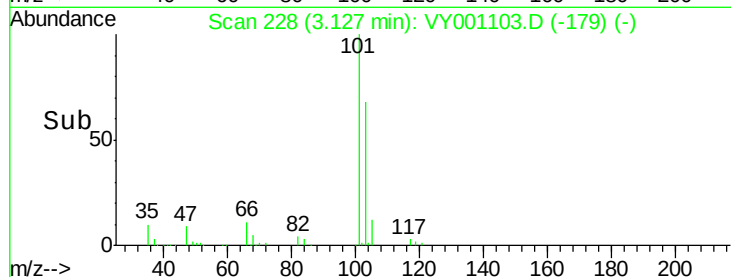
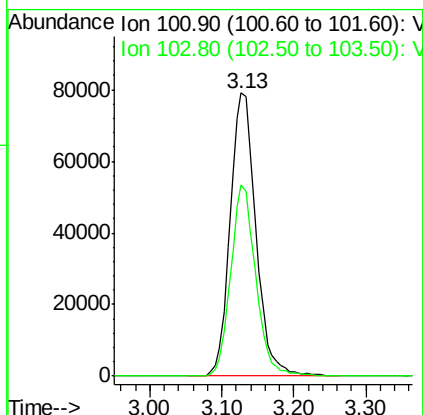
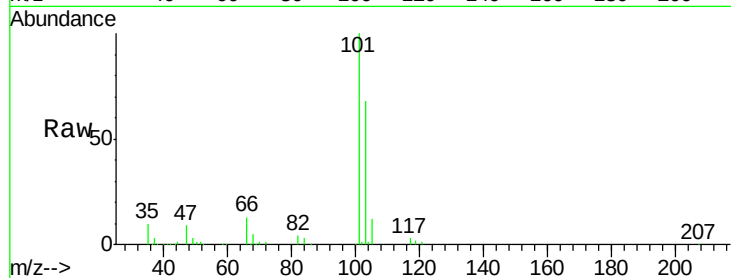


#7

Trichlorofluoromethane
 Concen: 43.539 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY001103.D
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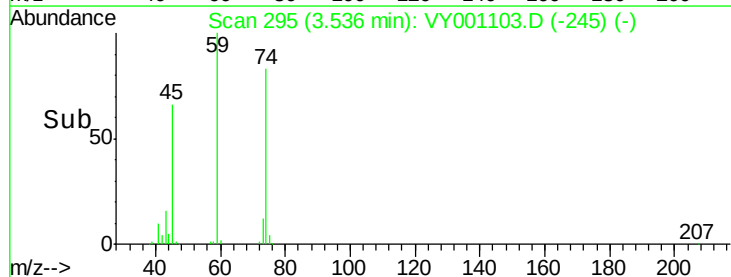
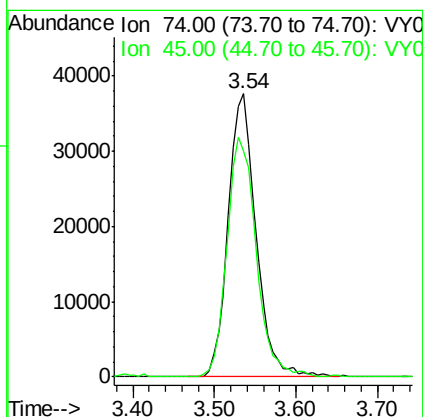
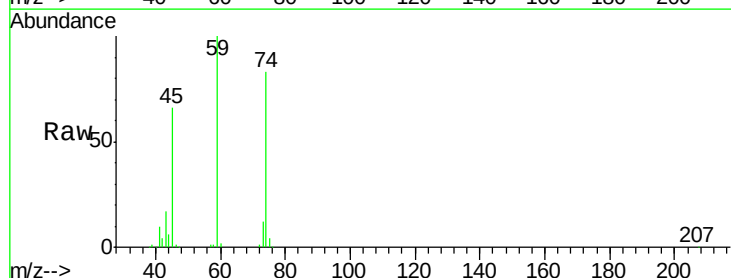
Tgt Ion:101 Resp: 196997
 Ion Ratio Lower Upper
 101 100
 103 67.7 50.2 75.2

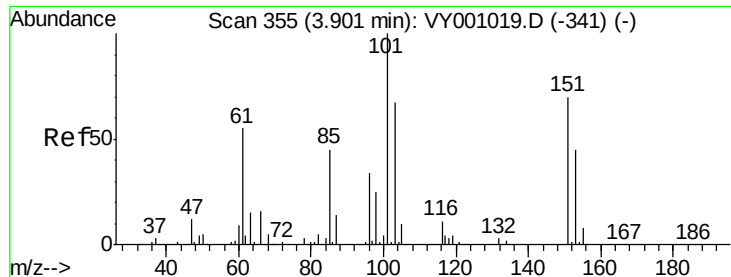


#8

Diethyl Ether
 Concen: 47.833 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

Tgt Ion: 74 Resp: 88345
 Ion Ratio Lower Upper
 74 100
 45 89.0 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.815 ug/l

RT: 3.90 min Scan# 354

Delta R.T. -0.01 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MSD

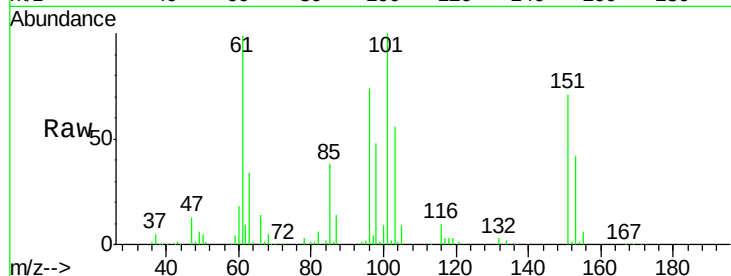
Tgt Ion:101 Resp: 136170

Ion Ratio Lower Upper

101 100

85 41.7 34.2 51.2

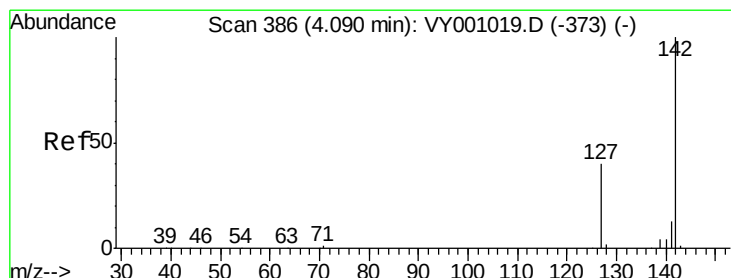
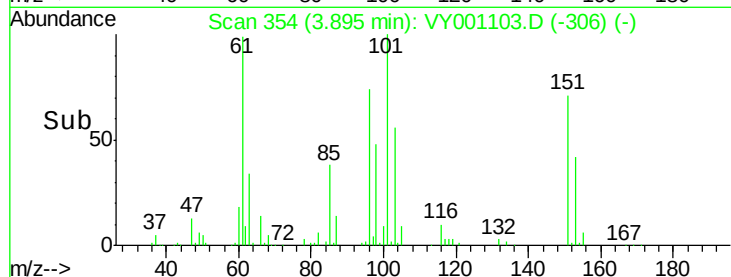
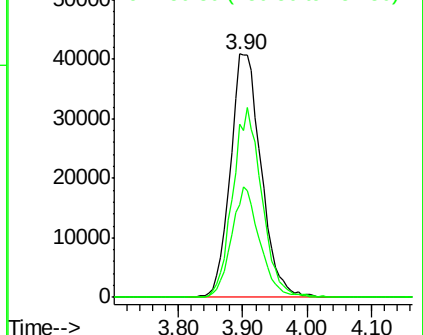
151 73.6 57.0 85.6



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: 44.091 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.01 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

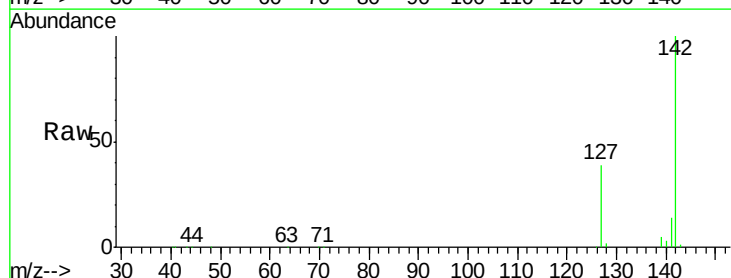
Tgt Ion:142 Resp: 181056

Ion Ratio Lower Upper

142 100

127 38.3 31.2 46.8

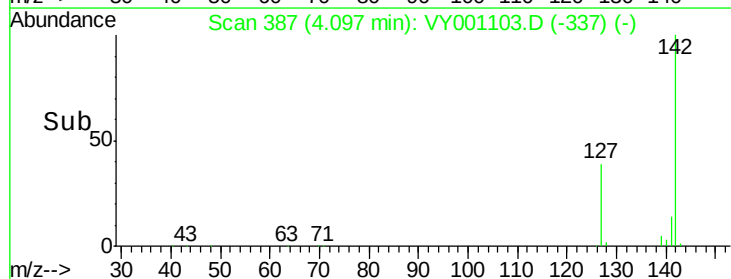
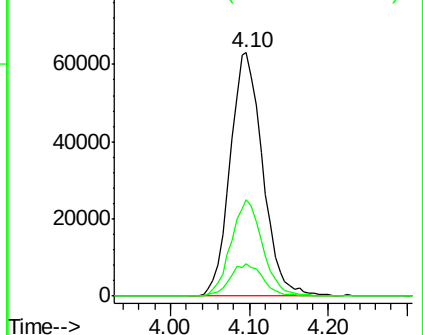
141 13.3 11.0 16.4

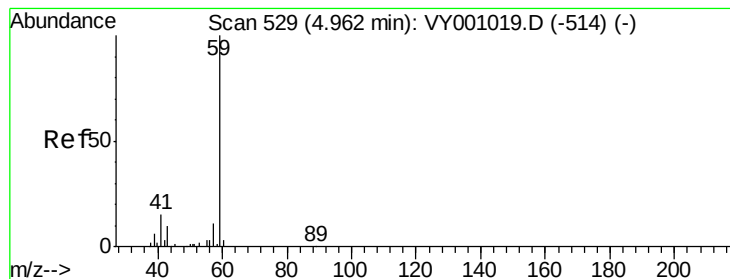


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



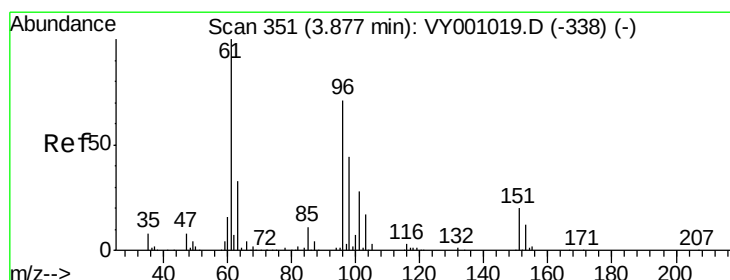
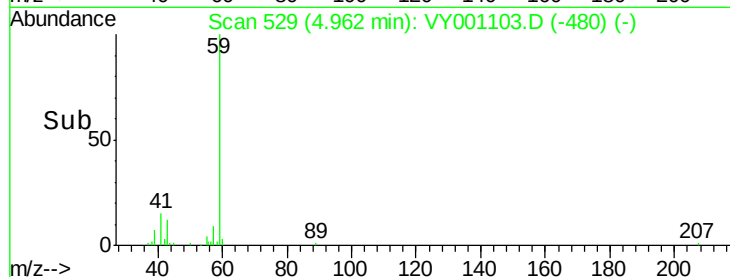
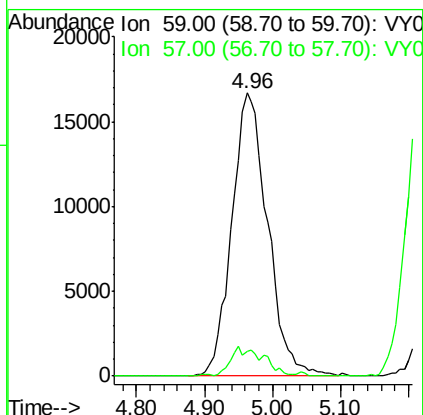
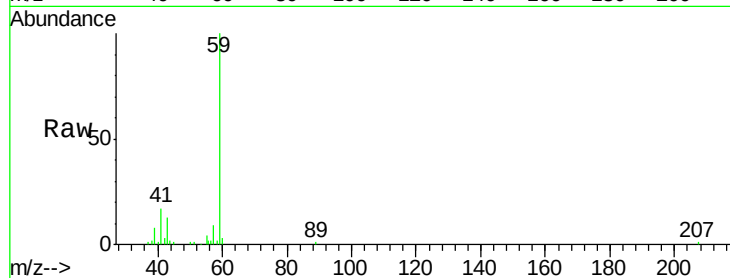


#11

Tert butyl alcohol
 Concen: 209.923 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MSD

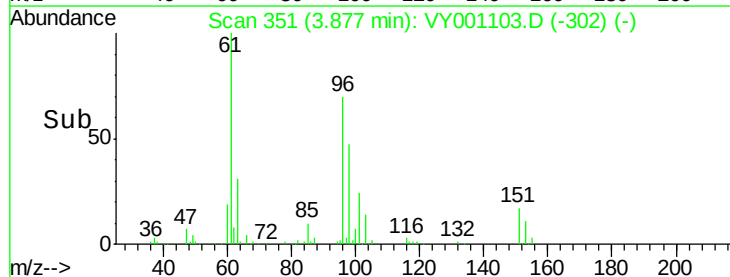
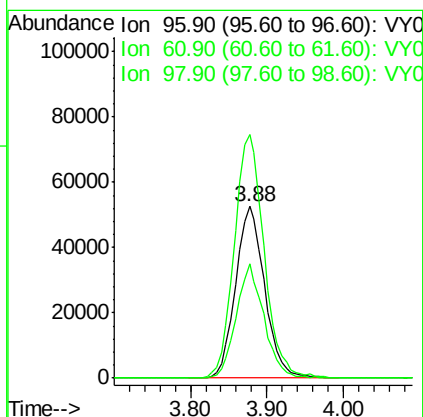
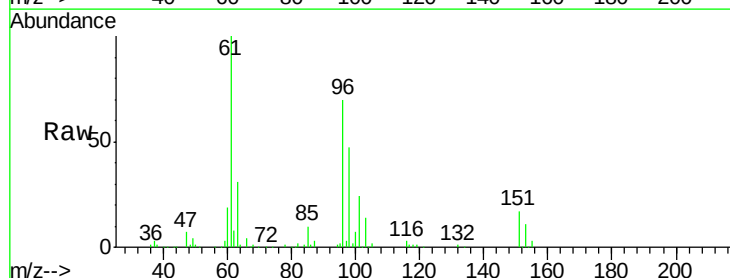
Tgt Ion: 59 Resp: 60975
 Ion Ratio Lower Upper
 59 100
 57 9.3 7.8 11.6

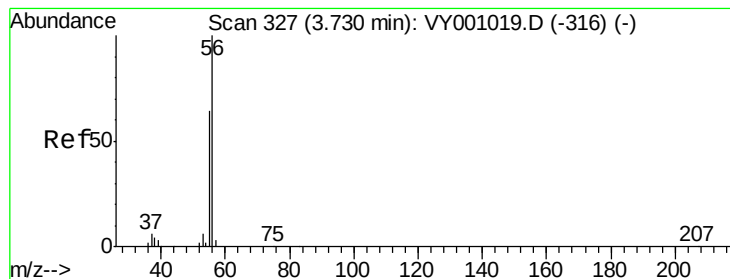


#12

1,1-Dichloroethene
 Concen: 46.022 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

Tgt Ion: 96 Resp: 138481
 Ion Ratio Lower Upper
 96 100
 61 141.9 113.0 169.4
 98 66.4 49.8 74.8





#13

Acrolein

Concen: 208.545 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

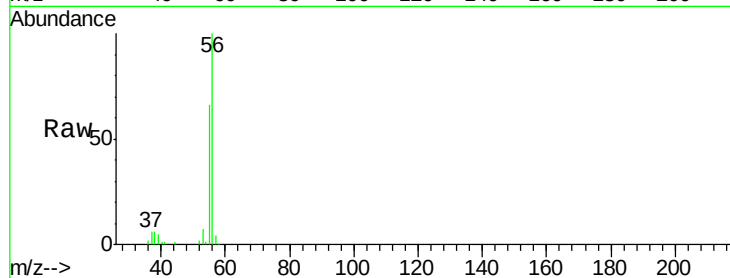
LIED-BF001-01MSD

Tgt Ion: 56 Resp: 75054

Ion Ratio Lower Upper

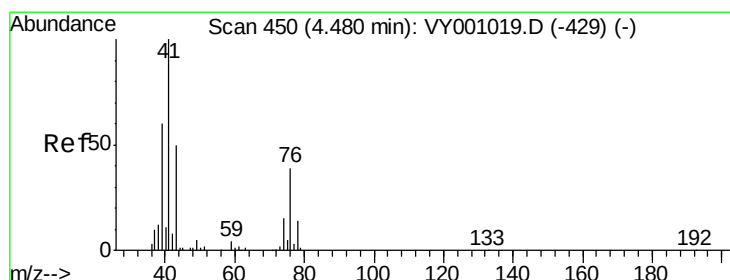
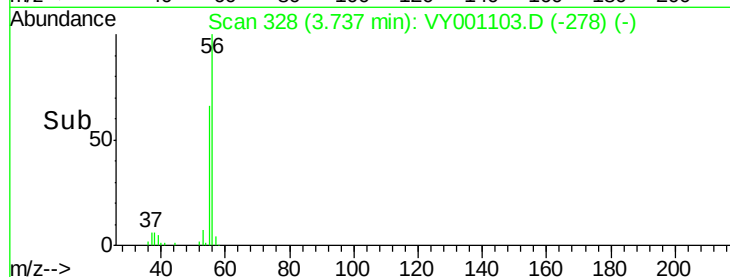
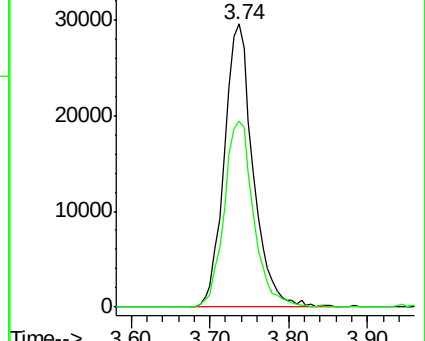
56 100

55 67.4 55.6 83.4



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 44.423 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

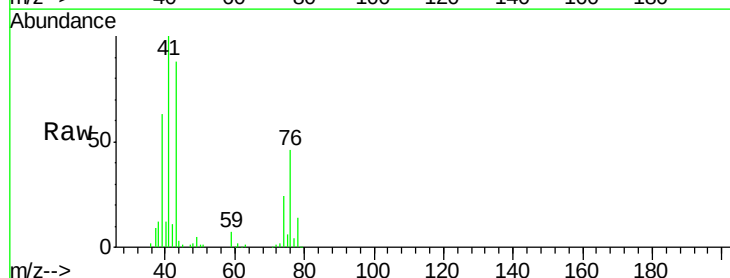
Tgt Ion: 41 Resp: 207654

Ion Ratio Lower Upper

41 100

39 58.1 46.0 69.0

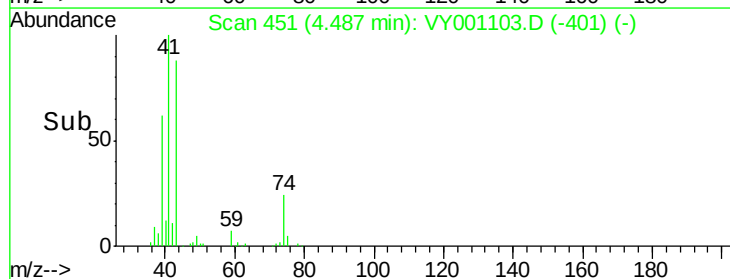
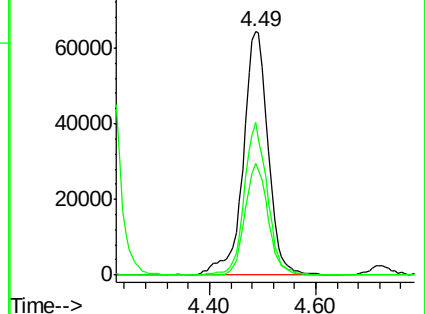
76 42.4 32.6 48.8

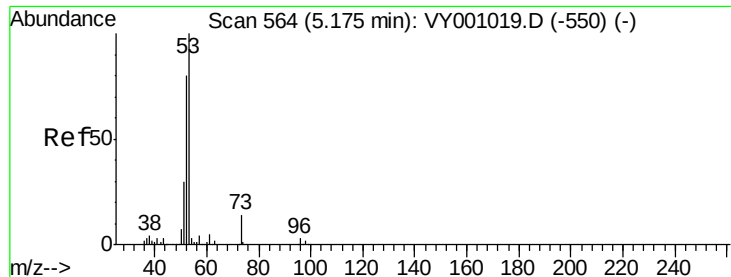


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 230.324 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MSD

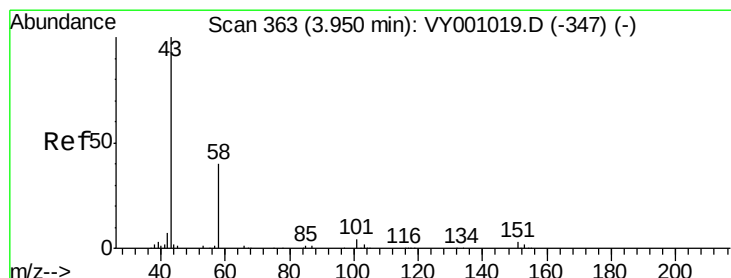
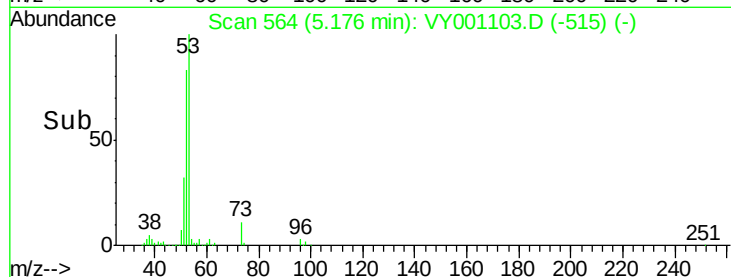
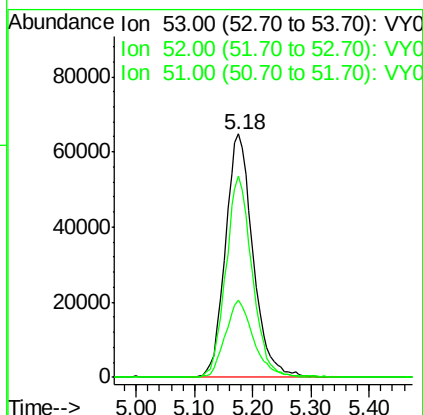
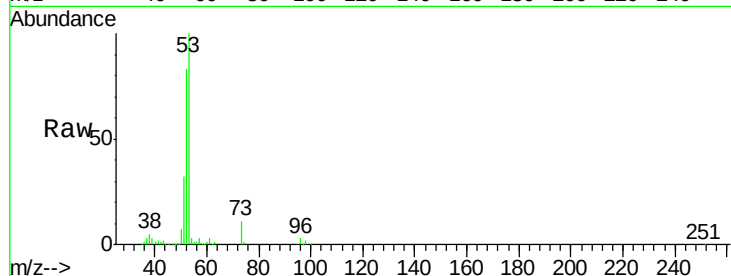
Tgt Ion: 53 Resp: 212603

Ion Ratio Lower Upper

53 100

52 78.9 63.6 95.4

51 32.6 26.7 40.1



#16

Acetone

Concen: 221.584 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001103.D

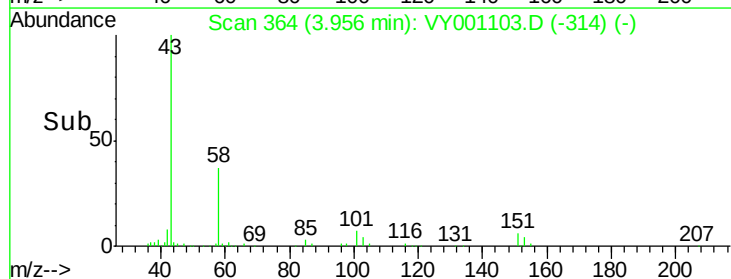
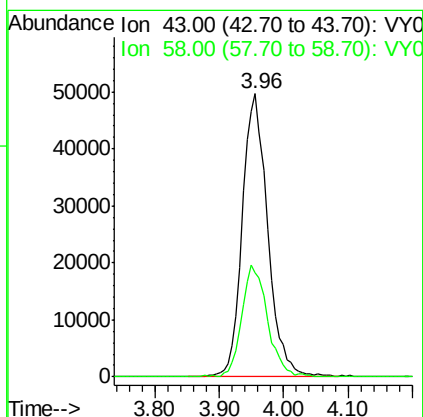
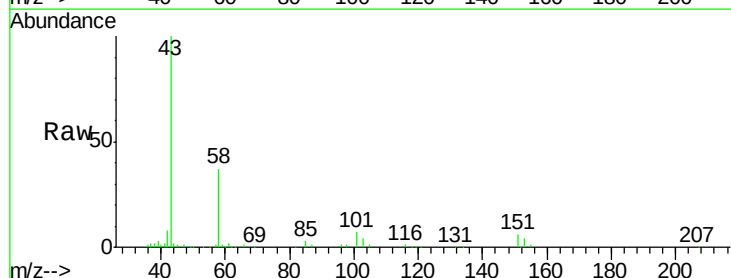
Acq: 27 Dec 2019 17:11

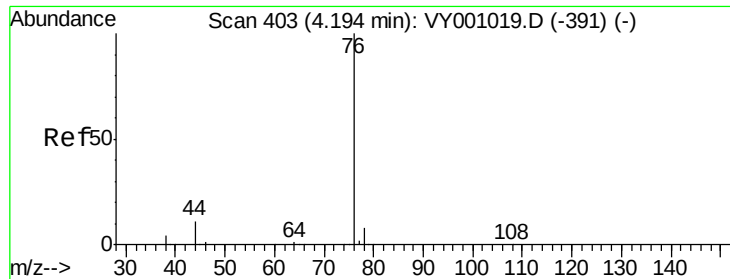
Tgt Ion: 43 Resp: 134851

Ion Ratio Lower Upper

43 100

58 36.7 32.1 48.1

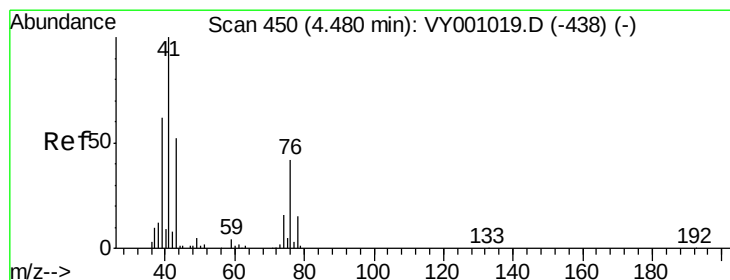
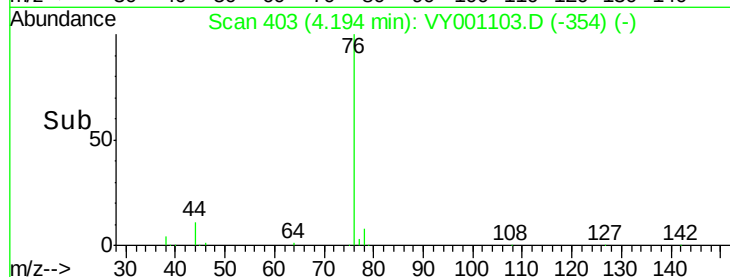
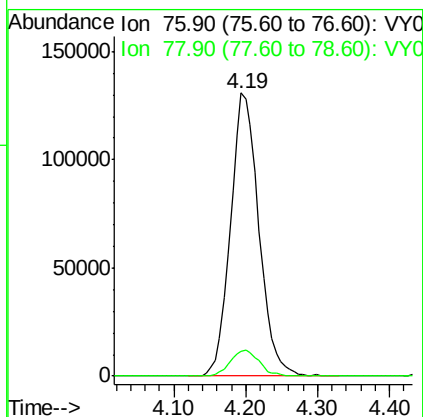
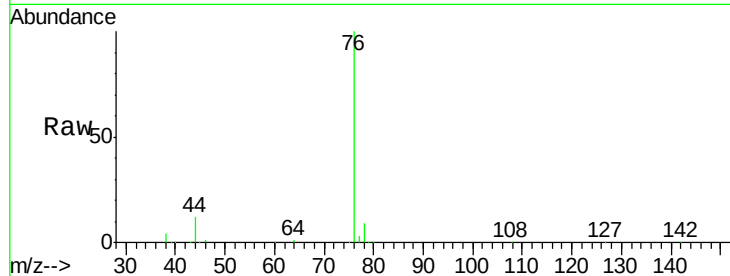




#17
Carbon Disulfide
Concen: 36.474 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

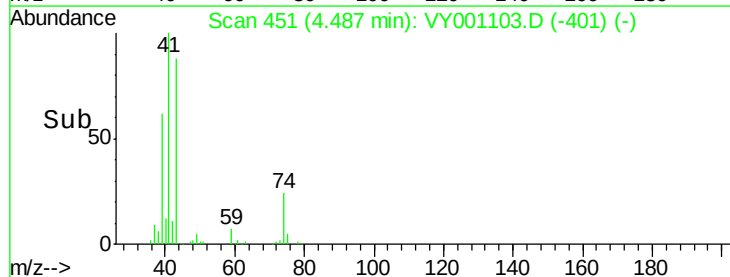
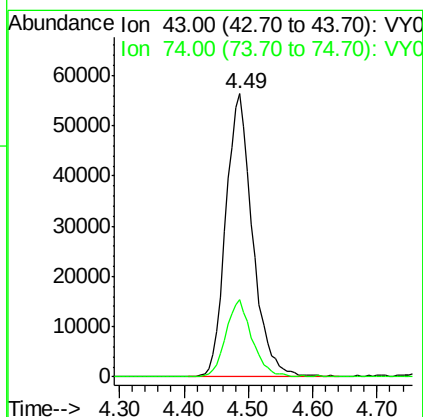
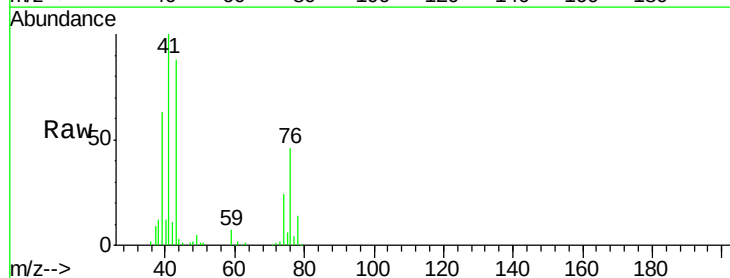
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

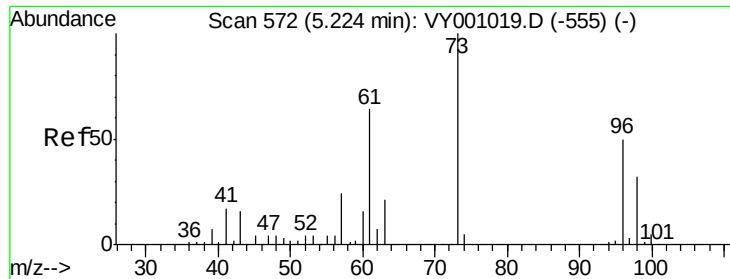
Tgt Ion: 76 Resp: 358637
Ion Ratio Lower Upper
76 100
78 8.7 6.7 10.1



#18
Methyl Acetate
Concen: 70.634 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion: 43 Resp: 164919
Ion Ratio Lower Upper
43 100
74 26.6 20.7 31.1

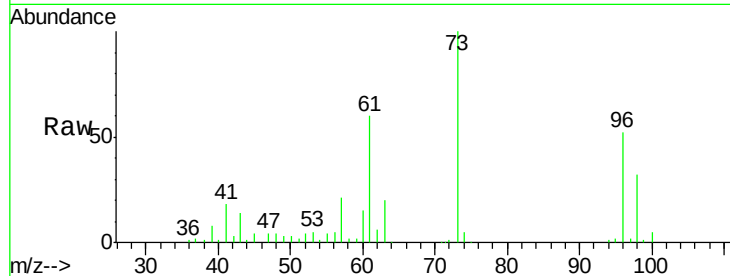




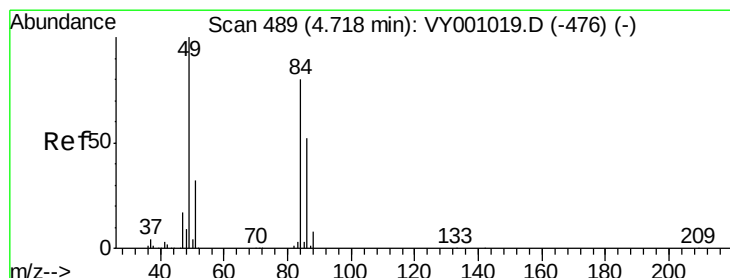
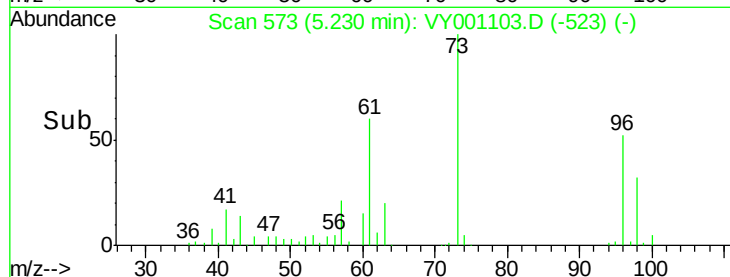
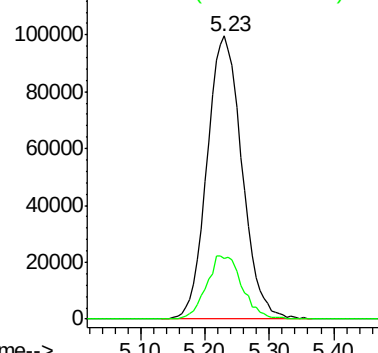
#19
Methyl tert-butyl Ether
Concen: 48.119 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

Tgt Ion: 73 Resp: 373708
Ion Ratio Lower Upper
73 100
57 21.4 19.0 28.6

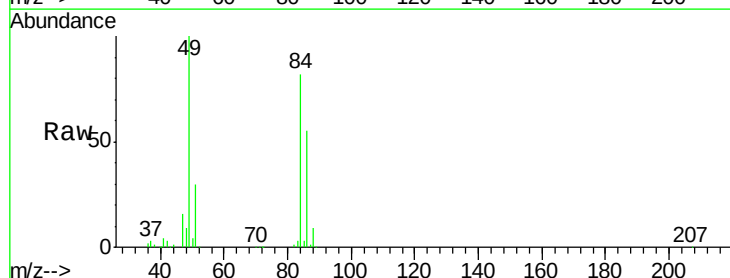


Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

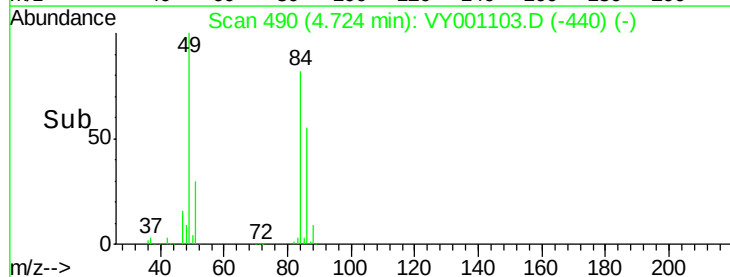
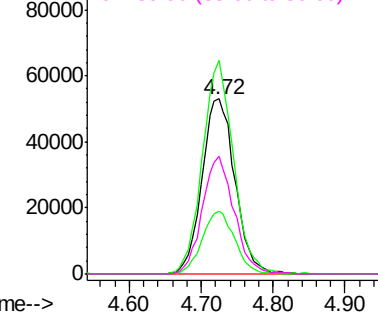


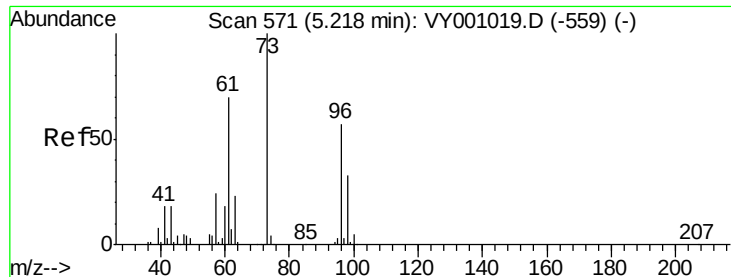
#20
Methylene Chloride
Concen: 47.137 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion: 84 Resp: 168849
Ion Ratio Lower Upper
84 100
49 121.9 99.8 149.6
51 36.2 31.4 47.2
86 67.4 52.2 78.2



Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0





#21

trans-1,2-Dichloroethene

Concen: 47.756 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MSD

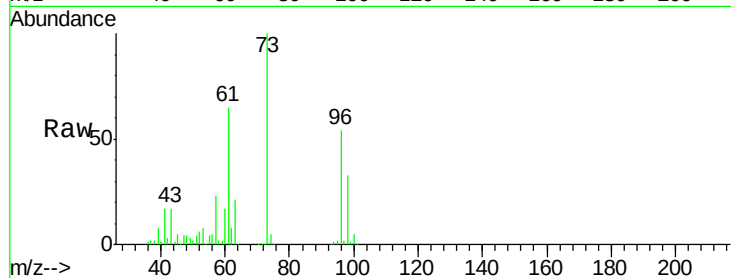
Tgt Ion: 96 Resp: 159255

Ion Ratio Lower Upper

96 100

61 121.7 98.1 147.1

98 61.7 47.2 70.8

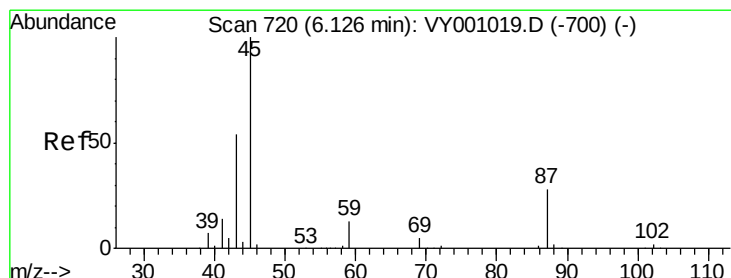
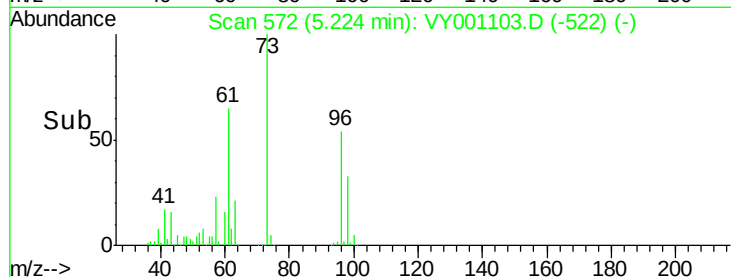
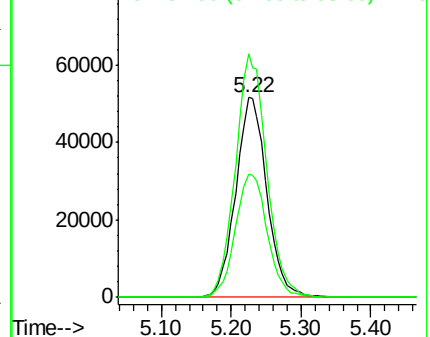


Abundance

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: 47.887 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Tgt Ion: 45 Resp: 452454

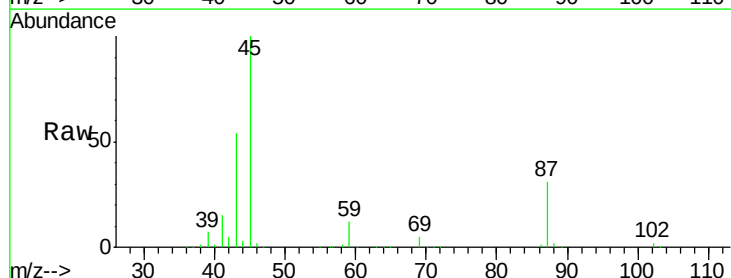
Ion Ratio Lower Upper

45 100

43 53.3 43.6 65.4

87 31.0 23.1 34.7

59 11.8 10.2 15.4



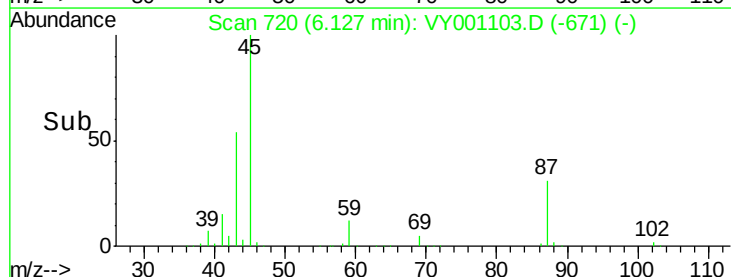
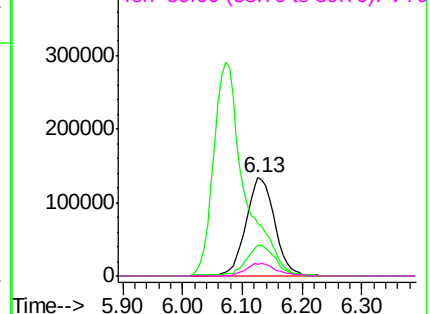
Abundance

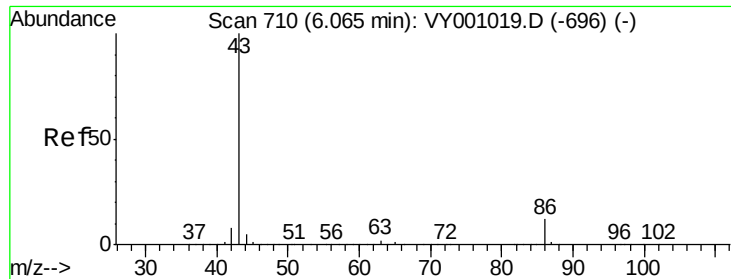
Ion 45.00 (44.70 to 45.70): VY0

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: 174.648 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

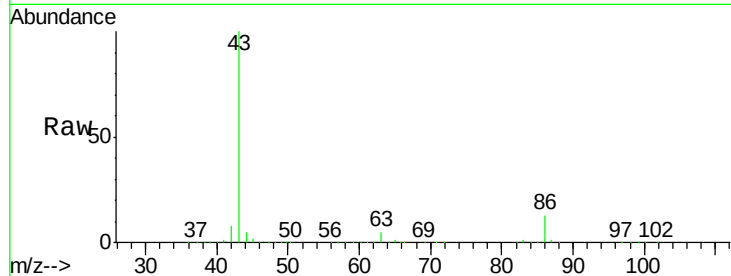
LIED-BF001-01MSD

Tgt Ion: 43 Resp: 1042144

Ion Ratio Lower Upper

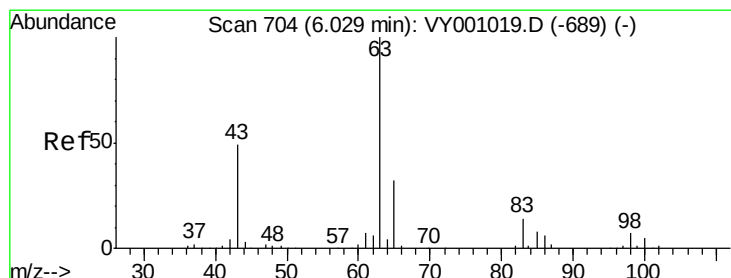
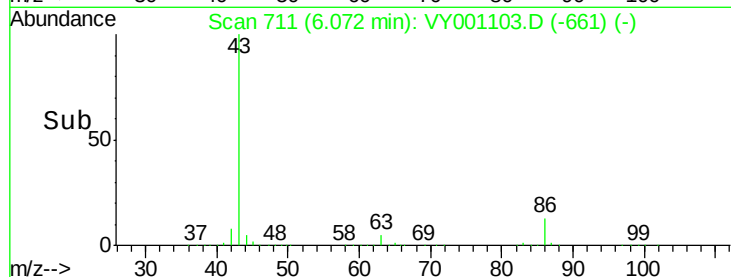
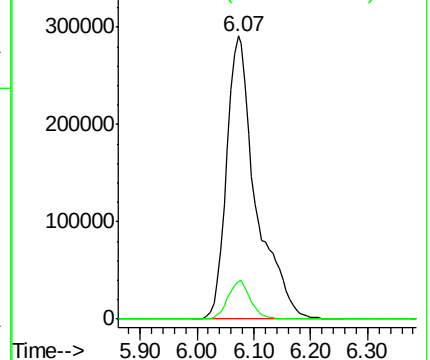
43 100

86 13.1 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: 48.558 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

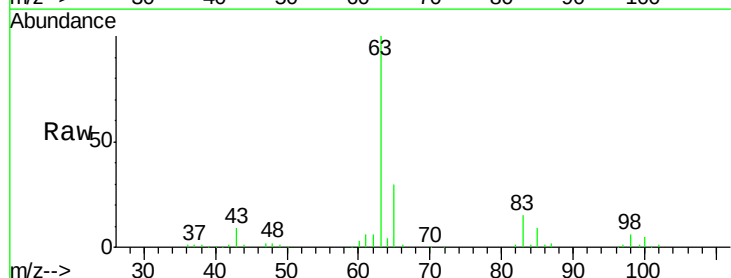
Tgt Ion: 63 Resp: 271128

Ion Ratio Lower Upper

63 100

98 6.5 3.8 11.2

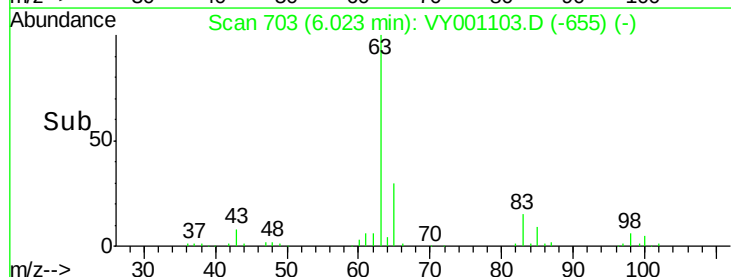
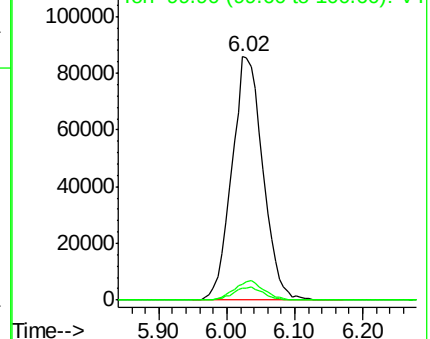
100 4.8 2.5 7.5

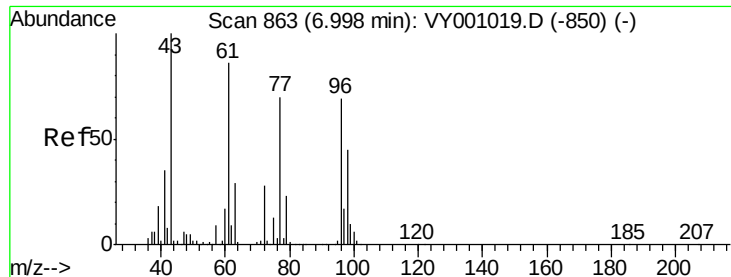


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 216.262 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

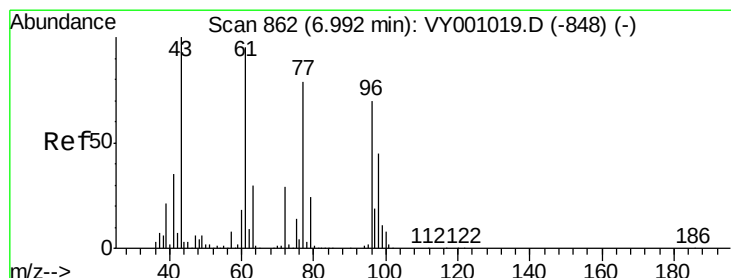
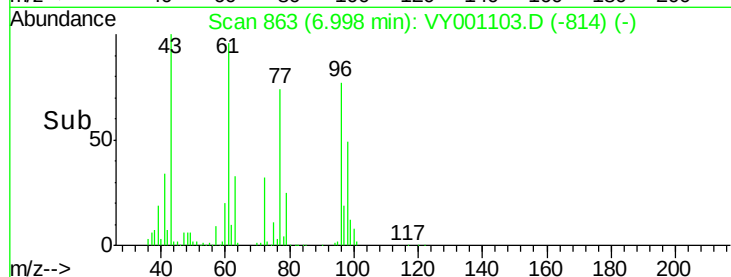
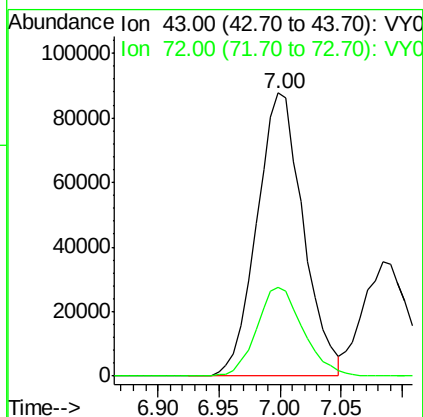
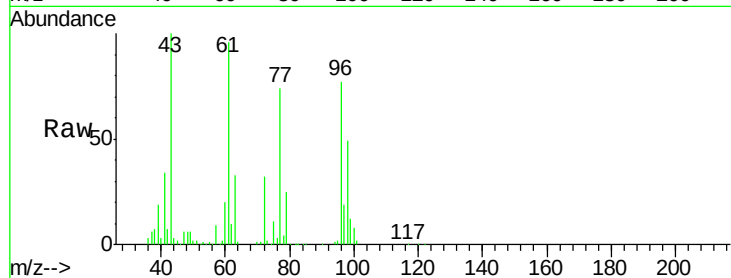
LIED-BF001-01MSD

Tgt Ion: 43 Resp: 231209

Ion Ratio Lower Upper

43 100

72 31.5 22.4 33.6



#26

2,2-Dichloropropane

Concen: 45.048 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001103.D

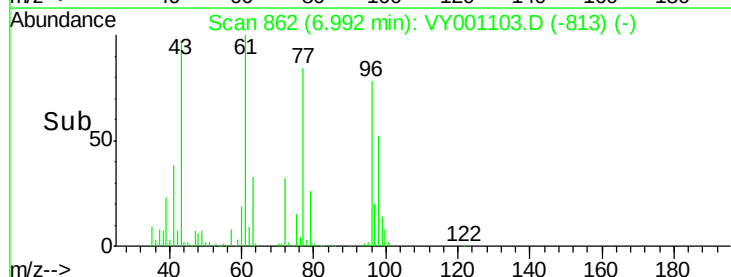
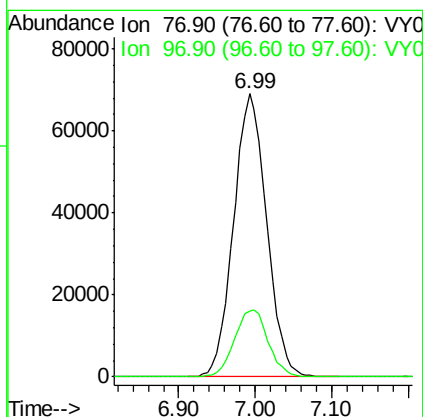
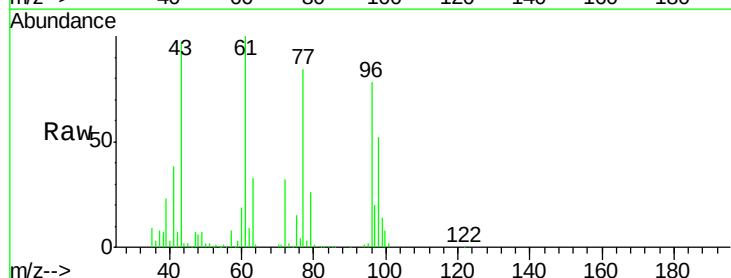
Acq: 27 Dec 2019 17:11

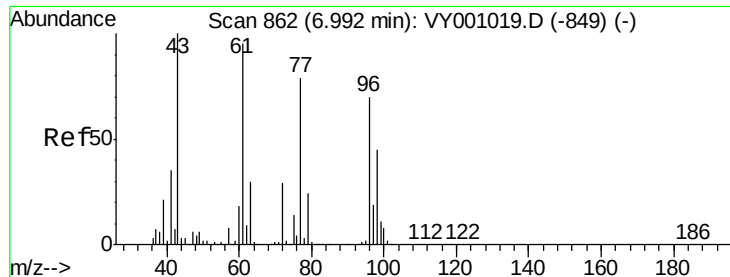
Tgt Ion: 77 Resp: 206654

Ion Ratio Lower Upper

77 100

97 24.2 12.0 36.1



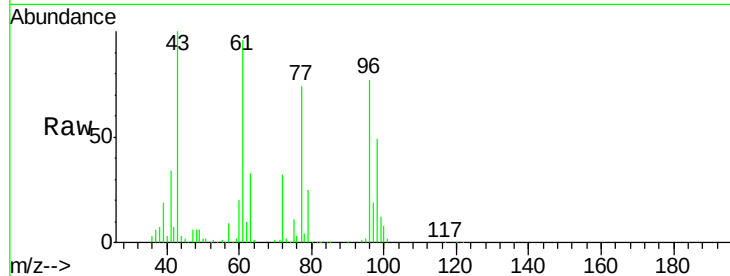


#27

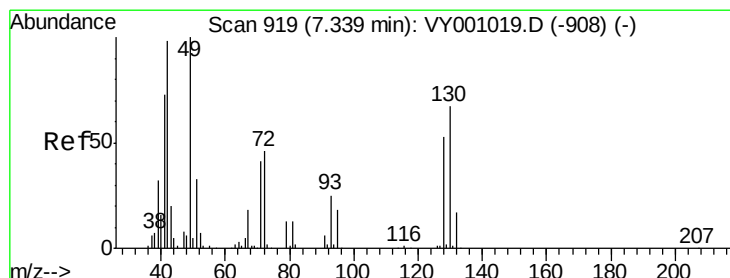
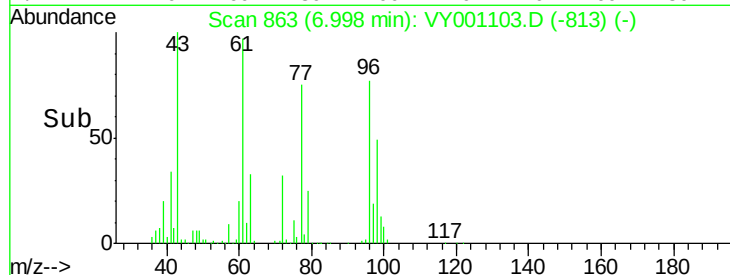
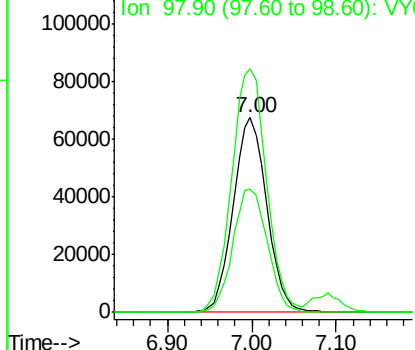
cis-1,2-Dichloroethene
Concen: 49.766 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

Tgt Ion: 96 Resp: 182327
Ion Ratio Lower Upper
96 100
61 129.7 0.0 268.2
98 65.0 0.0 129.2



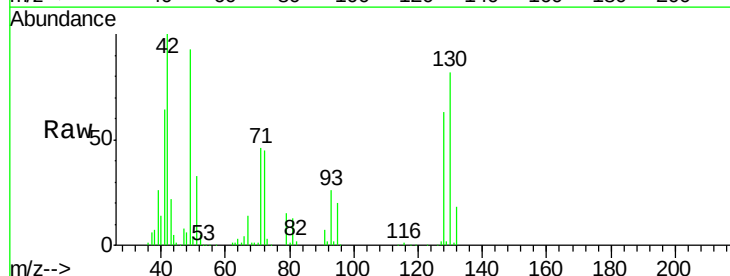
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



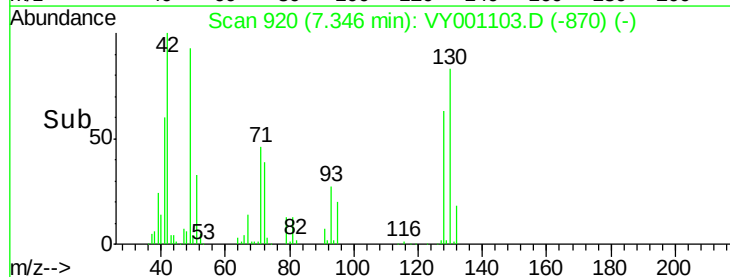
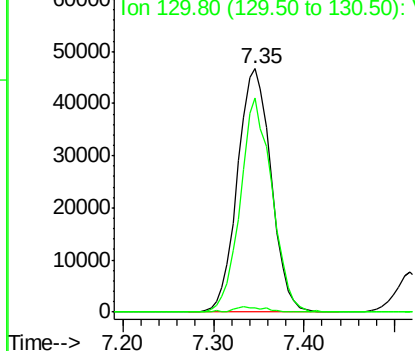
#28

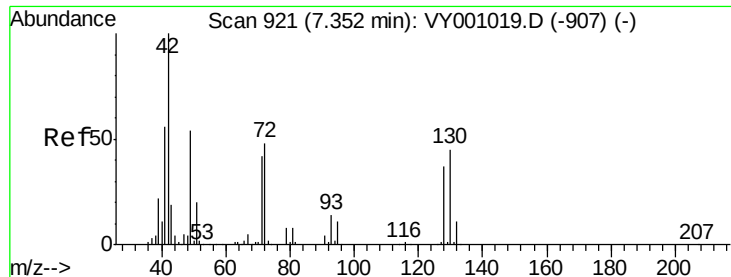
Bromochloromethane
Concen: 55.039 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion: 49 Resp: 119906
Ion Ratio Lower Upper
49 100
129 2.1 0.0 3.8
130 83.1 60.4 90.6



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

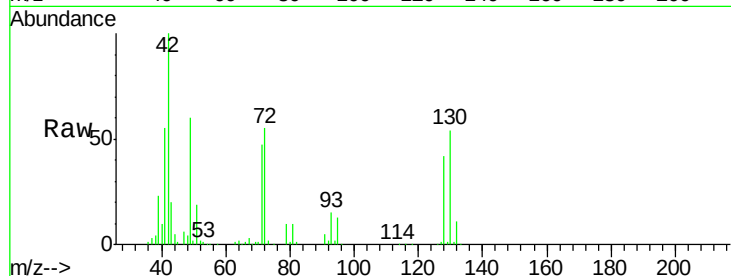




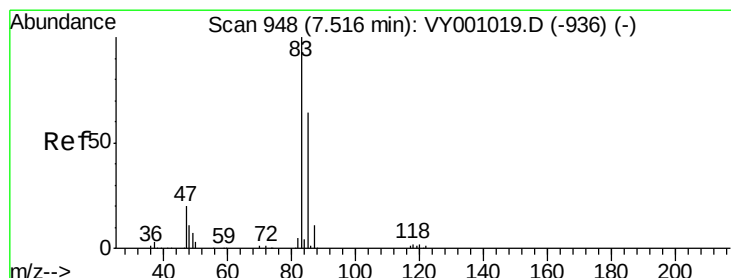
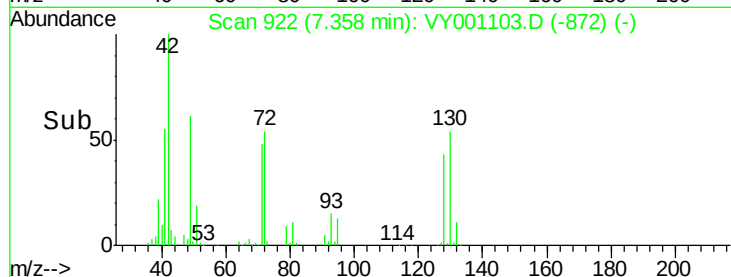
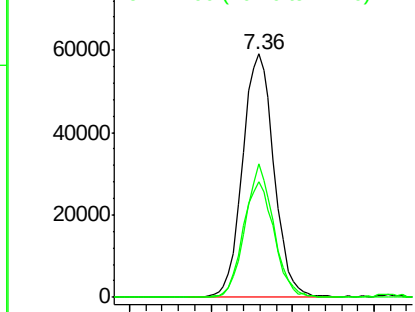
#29
Tetrahydrofuran
Concen: 208.835 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

Tgt Ion: 42 Resp: 158817
Ion Ratio Lower Upper
42 100
72 50.6 37.7 56.5
71 46.1 34.6 51.8

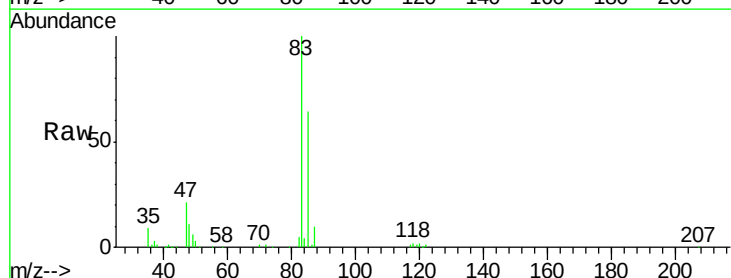


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

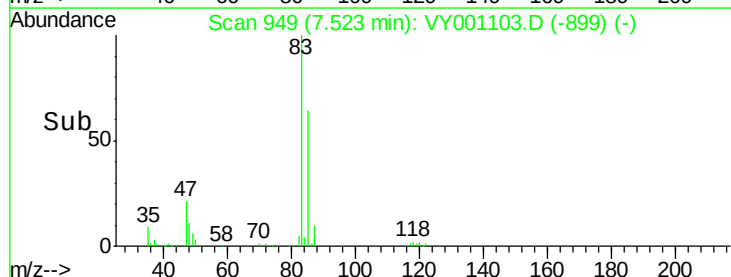
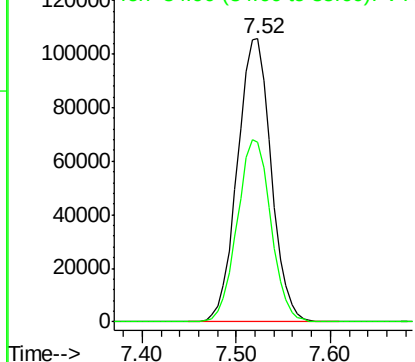


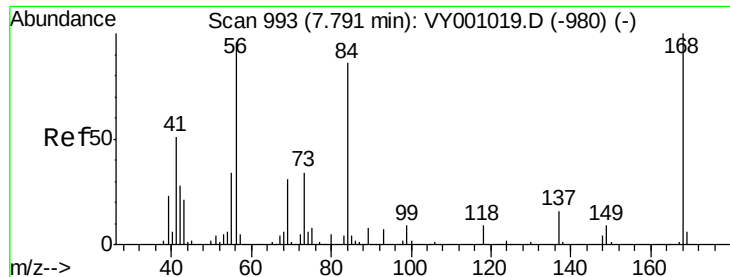
#30
Chloroform
Concen: 50.184 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion: 83 Resp: 264958
Ion Ratio Lower Upper
83 100
85 63.5 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0

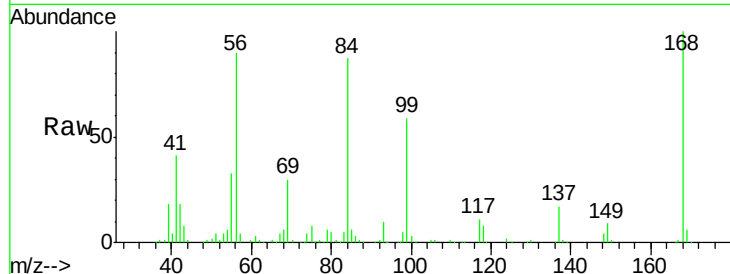




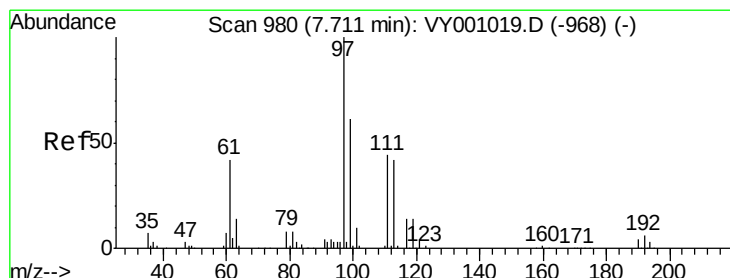
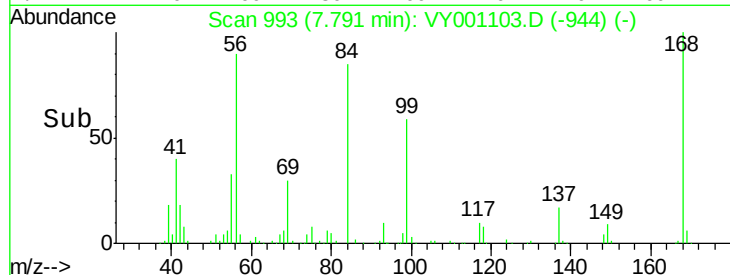
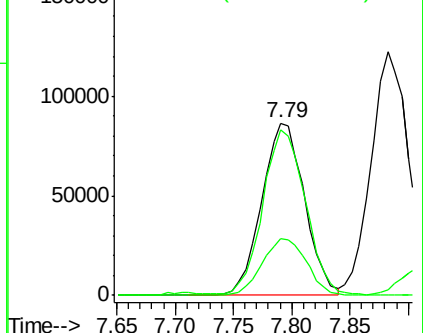
#31
Cyclohexane
Concen: 37.580 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

Tgt Ion: 56 Resp: 220643
Ion Ratio Lower Upper
56 100
69 33.1 26.1 39.1
84 94.2 71.8 107.8

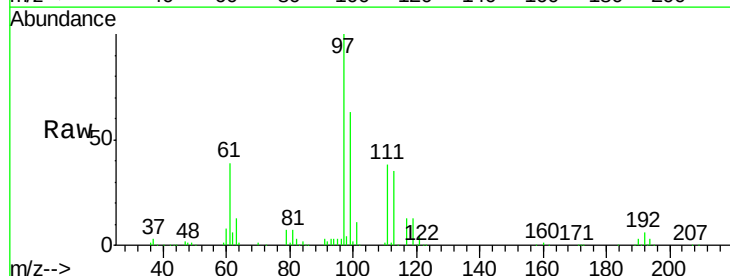


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

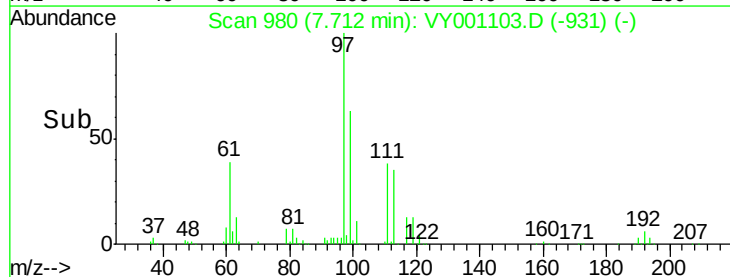
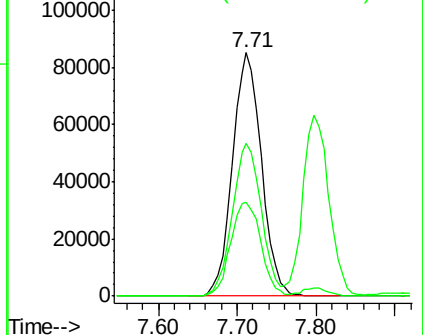


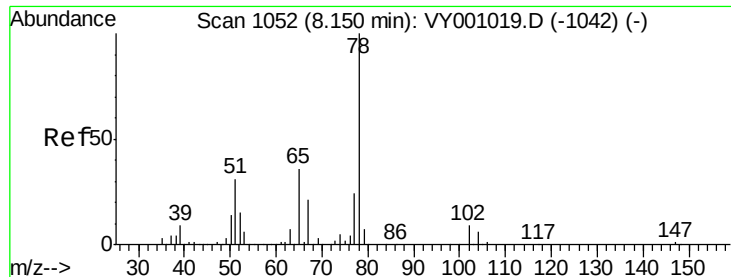
#32
1,1,1-Trichloroethane
Concen: 48.176 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion: 97 Resp: 216977
Ion Ratio Lower Upper
97 100
99 62.7 50.6 76.0
61 40.4 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: 51.335 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

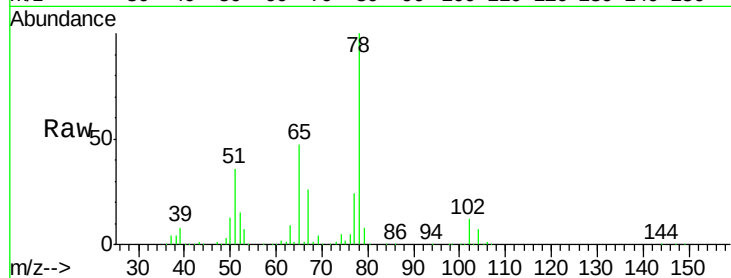
LIED-BF001-01MSD

Tgt Ion: 65 Resp: 135611

Ion Ratio Lower Upper

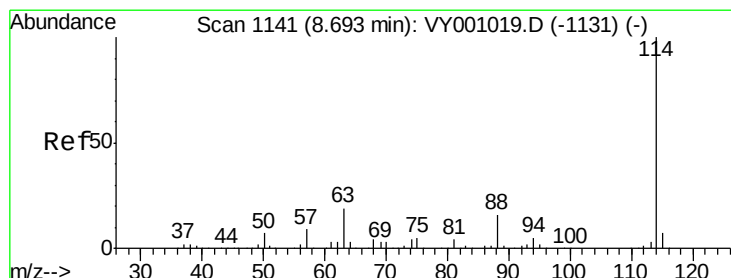
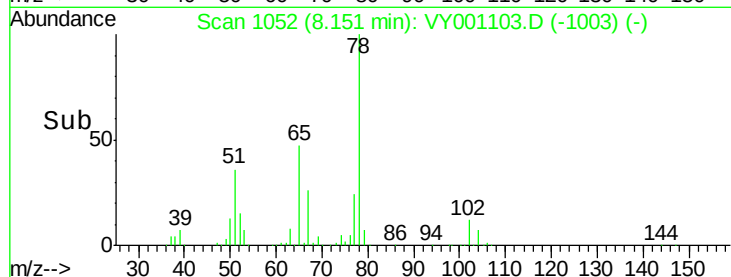
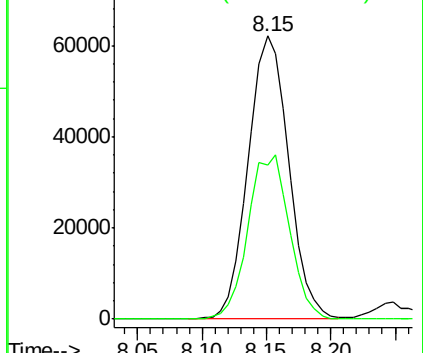
65 100

67 59.1 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

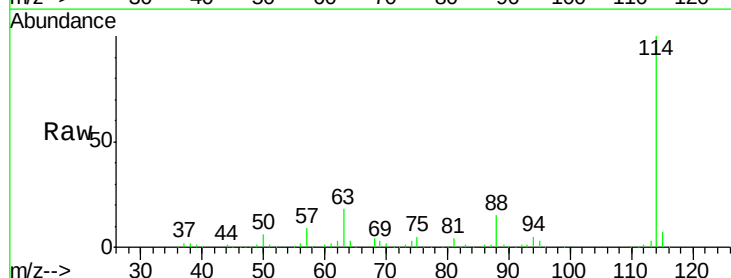
Tgt Ion: 114 Resp: 484883

Ion Ratio Lower Upper

114 100

63 18.0 0.0 37.0

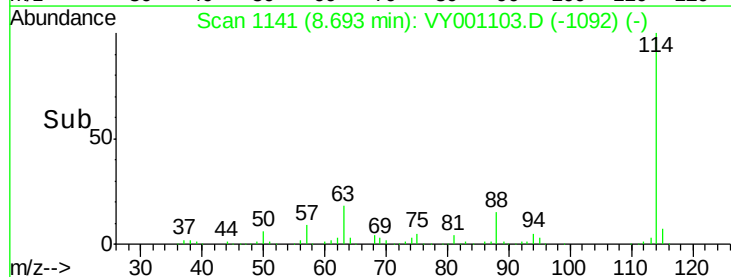
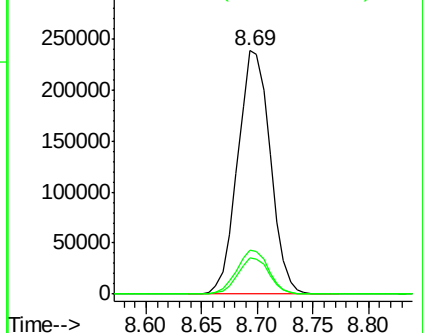
88 14.9 0.0 32.0

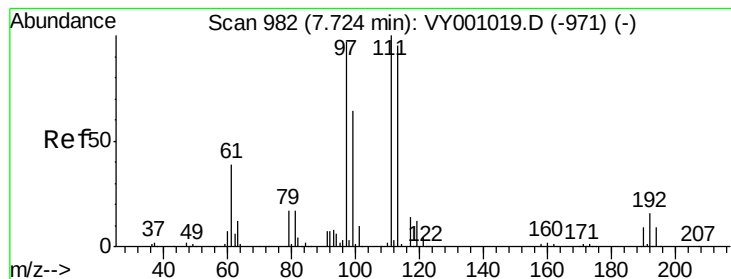


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 50.925 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MSD

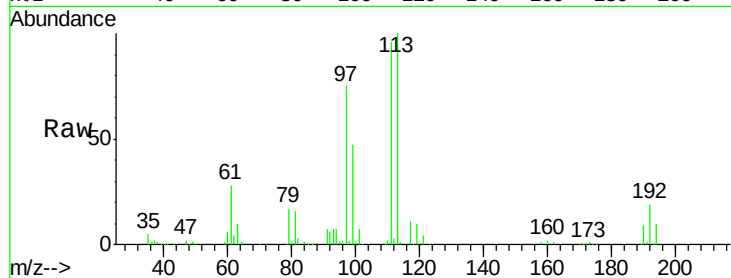
Tgt Ion:113 Resp: 145404

Ion Ratio Lower Upper

113 100

111 104.8 83.0 124.4

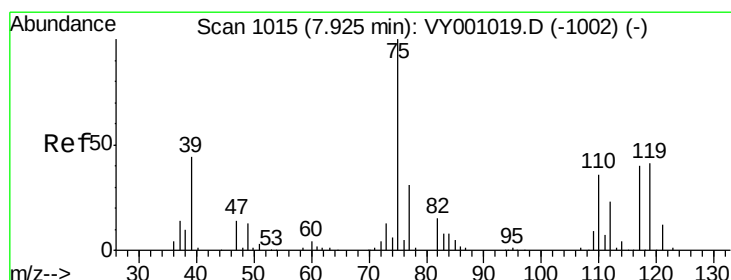
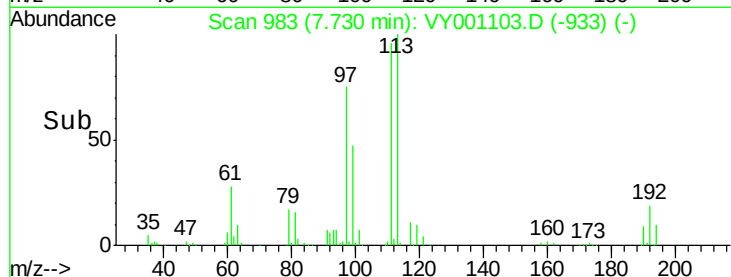
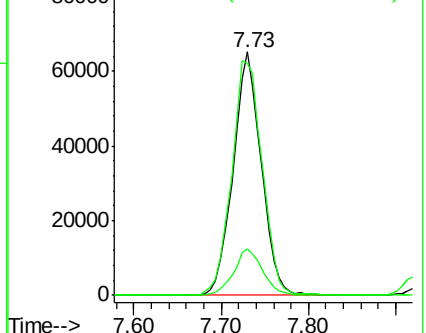
192 19.4 14.6 21.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 44.962 ug/l

RT: 7.93 min Scan# 1016

Delta R.T. 0.01 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

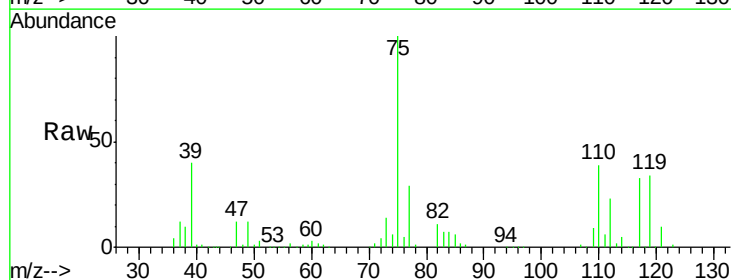
Tgt Ion: 75 Resp: 207984

Ion Ratio Lower Upper

75 100

110 37.4 18.1 54.4

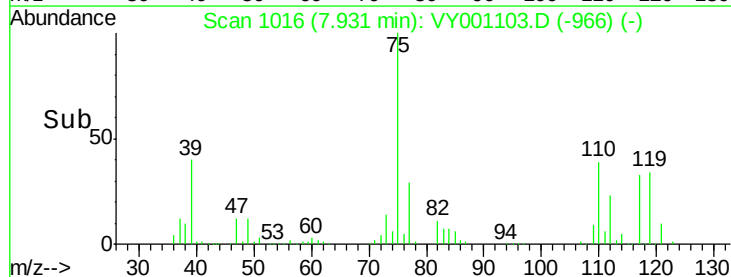
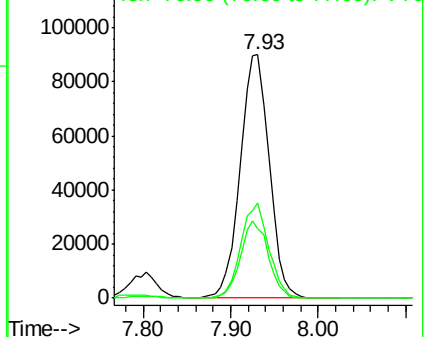
77 30.4 24.6 37.0

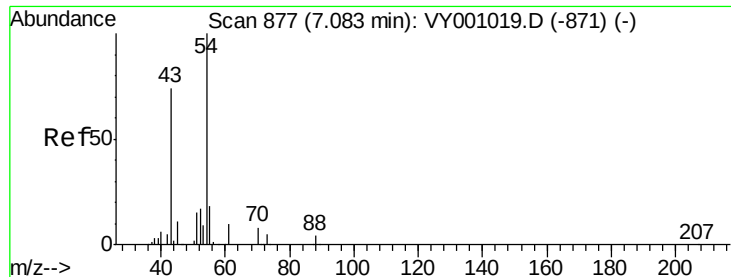


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

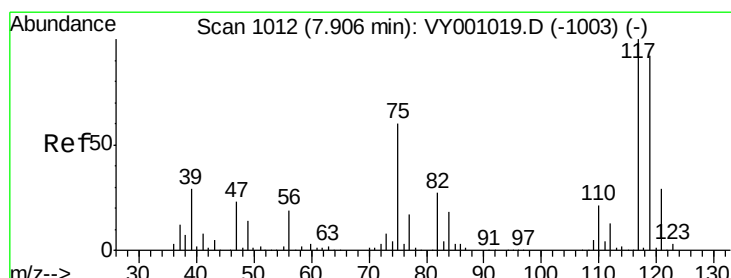
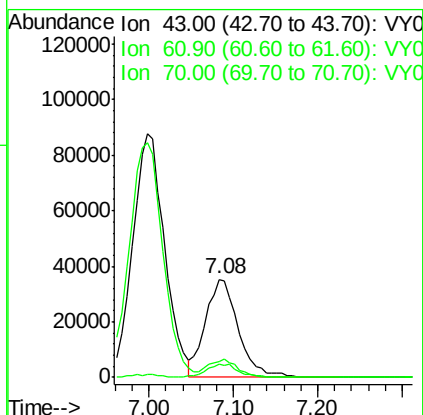
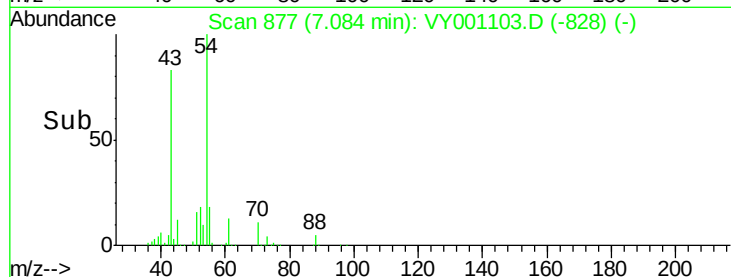
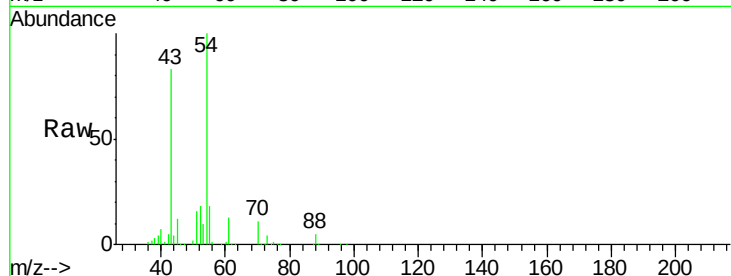




#37
Ethyl Acetate
Concen: 37.484 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

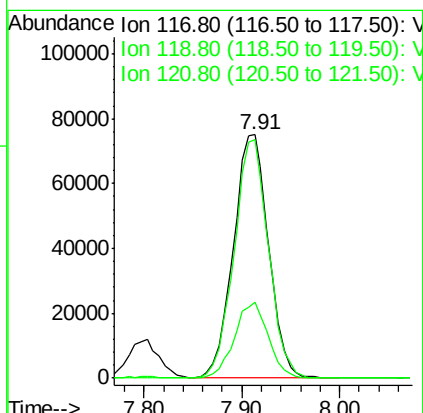
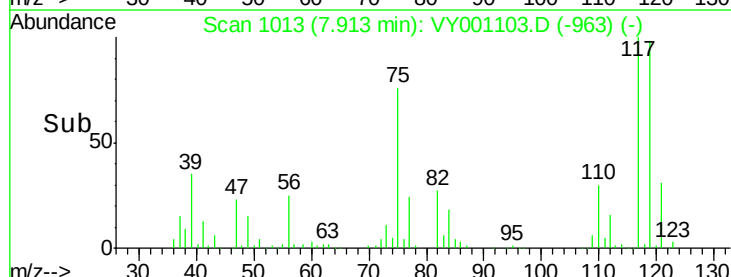
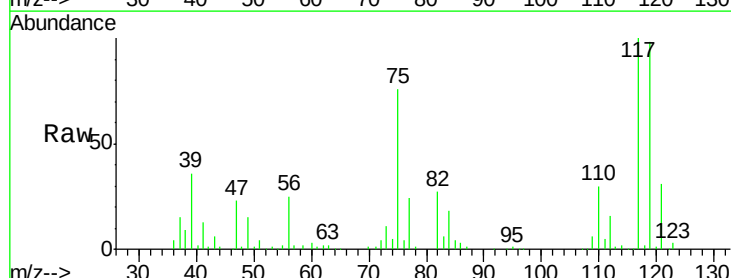
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

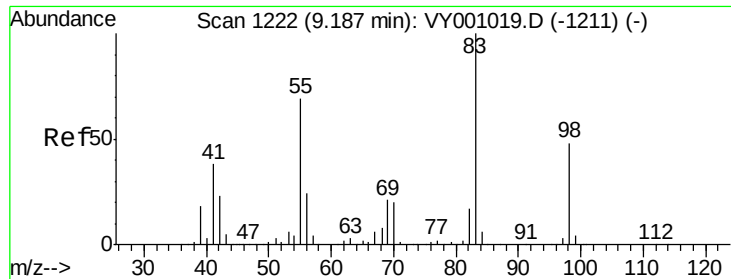
Tgt Ion: 43 Resp: 96009
Ion Ratio Lower Upper
43 100
61 16.2 12.5 18.7
70 12.8 9.0 13.4



#38
Carbon Tetrachloride
Concen: 46.136 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion: 117 Resp: 186982
Ion Ratio Lower Upper
117 100
119 98.1 74.2 111.2
121 31.1 22.9 34.3

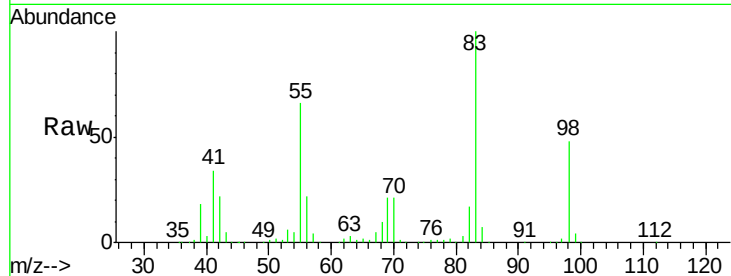




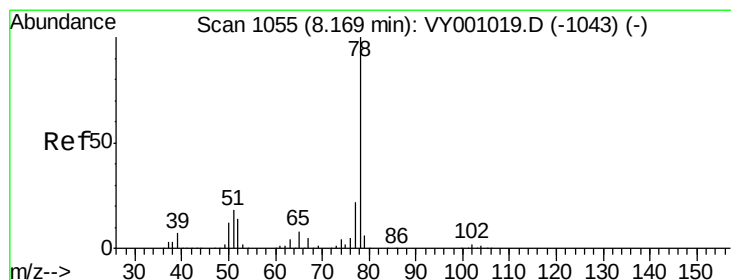
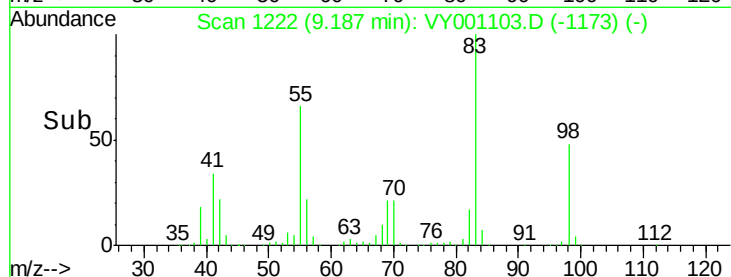
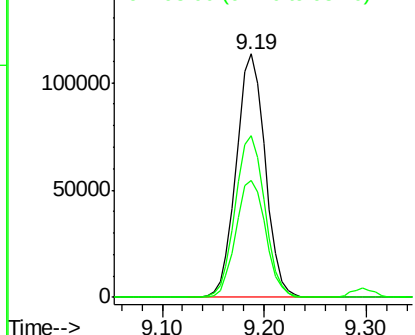
#39
Methylcyclohexane
Concen: 36.272 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

Tgt Ion: 83 Resp: 222809
Ion Ratio Lower Upper
83 100
55 66.4 55.1 82.7
98 48.1 38.3 57.5

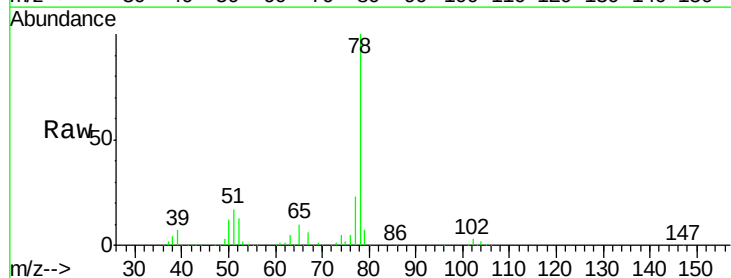


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

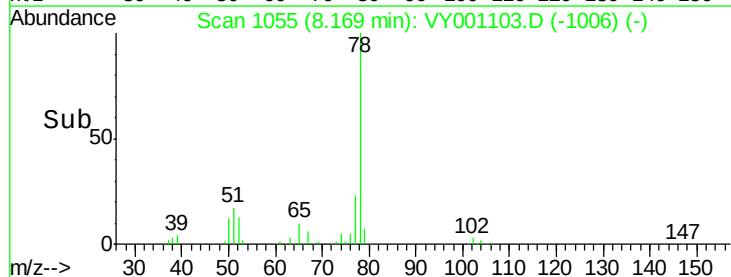
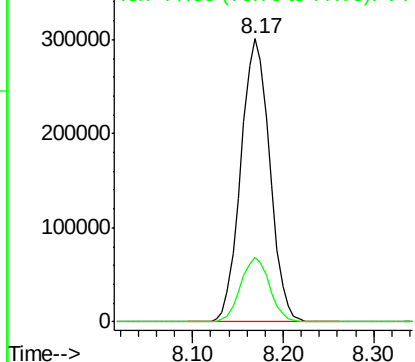


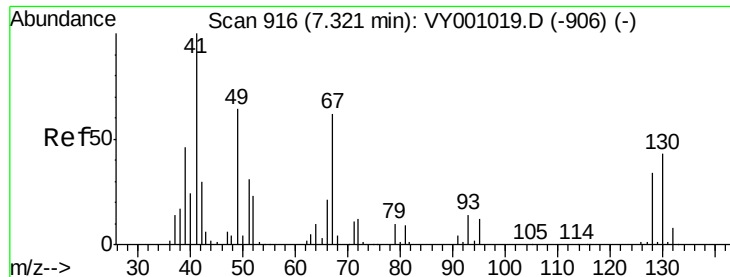
#40
Benzene
Concen: 47.700 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion: 78 Resp: 665658
Ion Ratio Lower Upper
78 100
77 22.7 17.7 26.5



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0

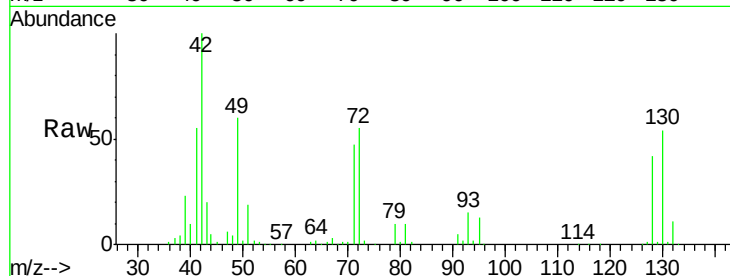




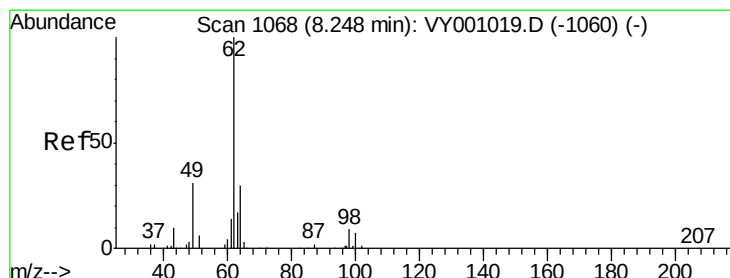
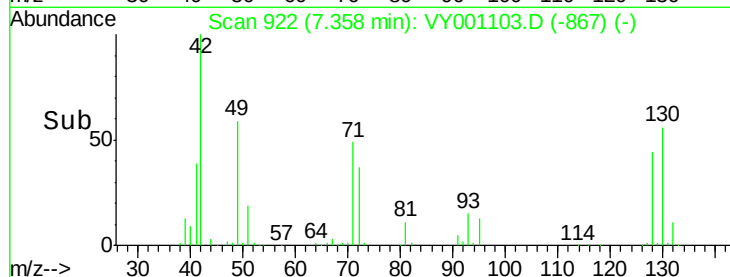
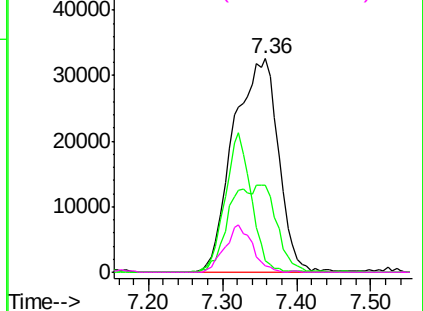
#41
Methacrylonitrile
Concen: 124.172 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.04 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

Tgt Ion:	41	Resp:	137889
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

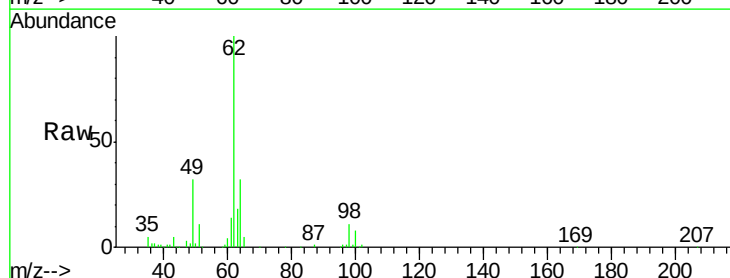


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

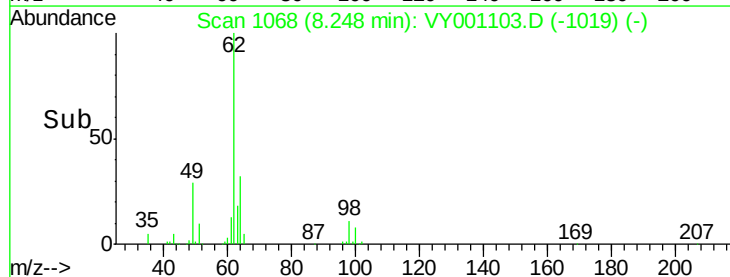
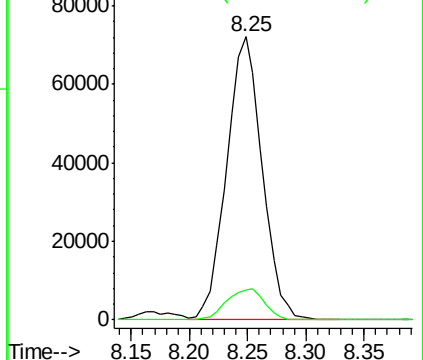


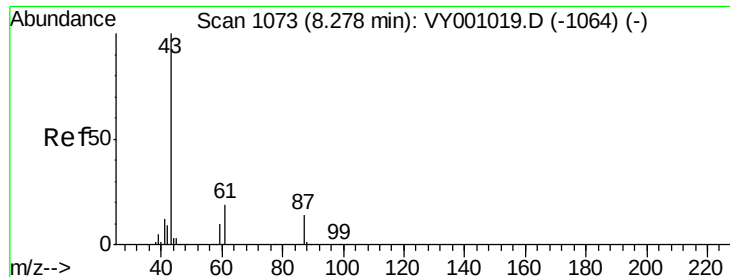
#42
1,2-Dichloroethane
Concen: 45.831 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion:	62	Resp:	152912
Ion	Ratio	Lower	Upper
62	100		
98	11.8	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: 40.385 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MSD

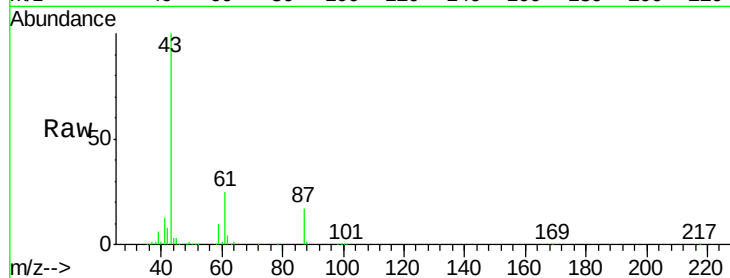
Tgt Ion: 43 Resp: 191485

Ion Ratio Lower Upper

43 100

61 33.6 25.0 37.6

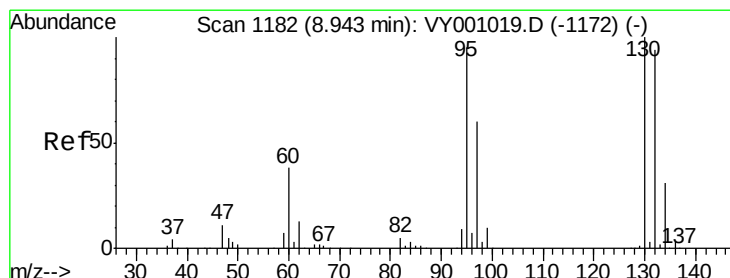
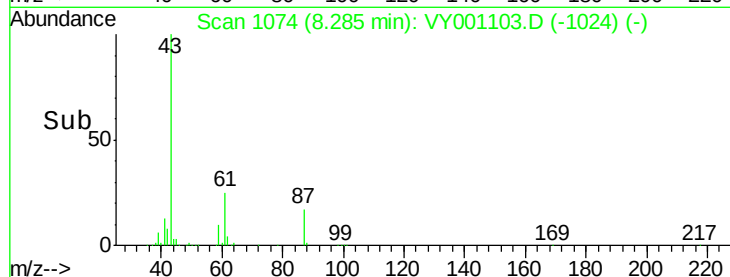
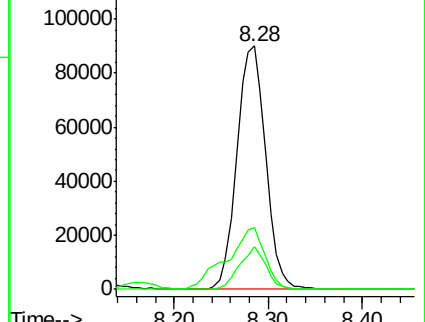
87 16.1 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VY001103.D (-1024) (-)

Ion 61.00 (60.70 to 61.70): VY001103.D (-1024) (-)

Ion 87.00 (86.70 to 87.70): VY001103.D (-1024) (-)



#44

Trichloroethene

Concen: 47.075 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY001103.D

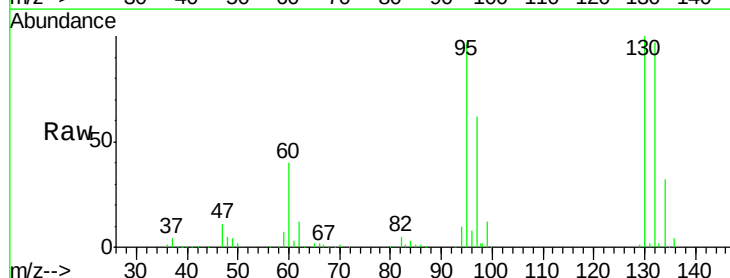
Acq: 27 Dec 2019 17:11

Tgt Ion: 130 Resp: 173090

Ion Ratio Lower Upper

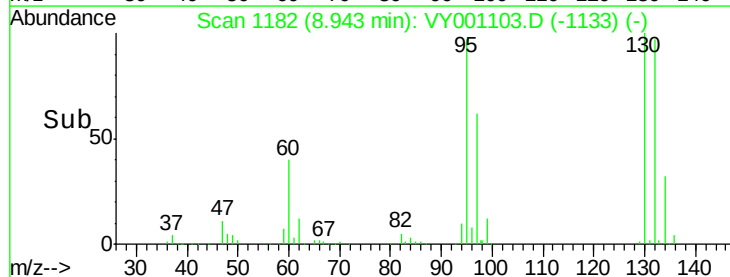
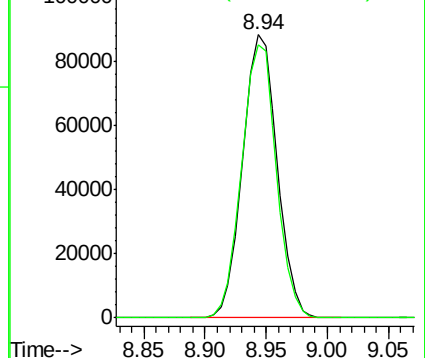
130 100

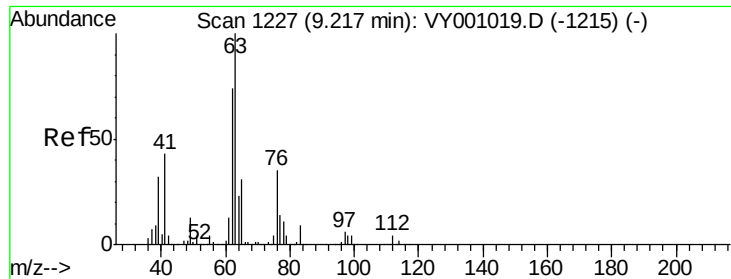
95 96.5 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VY001103.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY001103.D (-1133) (-)

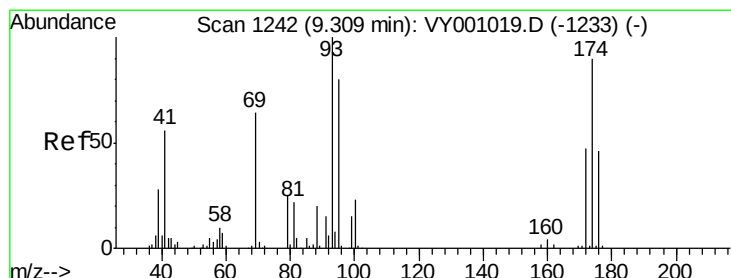
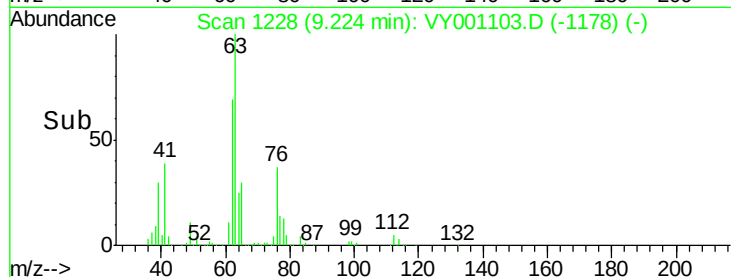
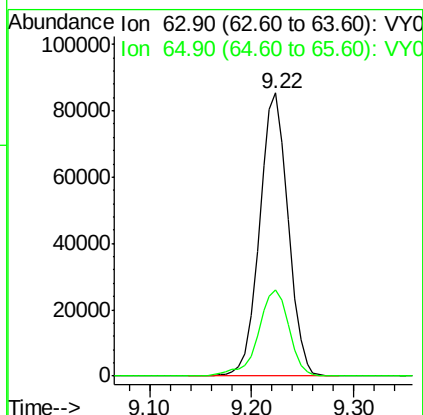
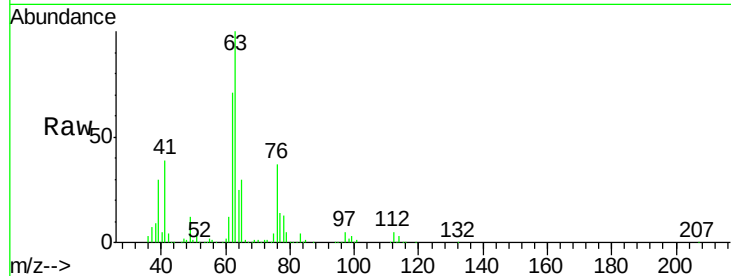




#45
 1,2-Dichloropropane
 Concen: 47.539 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

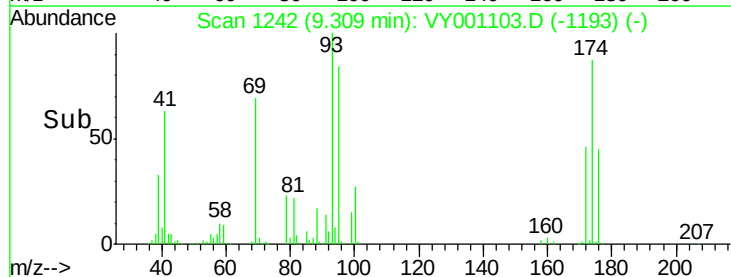
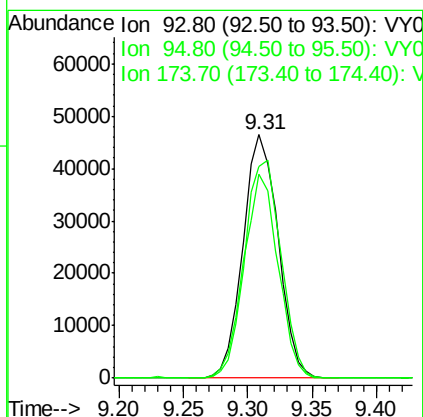
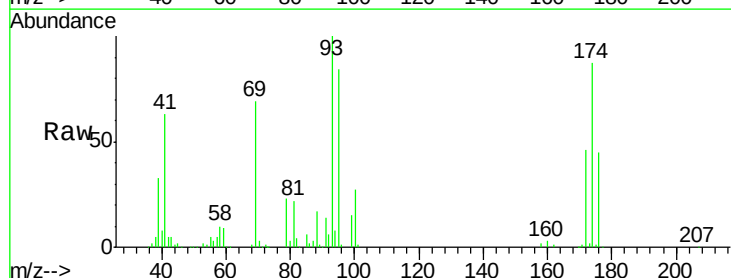
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MSD

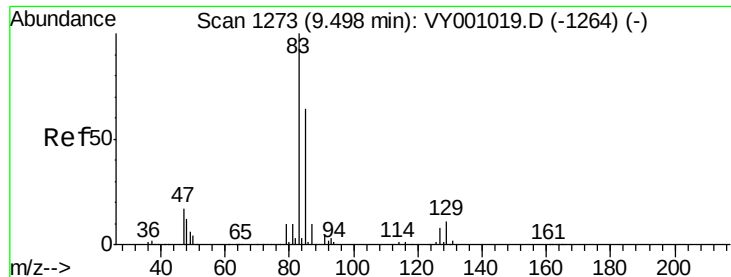
Tgt Ion: 63 Resp: 166430
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.1 37.7



#46
 Dibromomethane
 Concen: 48.646 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

Tgt Ion: 93 Resp: 87791
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.7 100.1
 174 92.3 73.6 110.4





#47

Bromodichloromethane

Concen: 48.623 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MSD

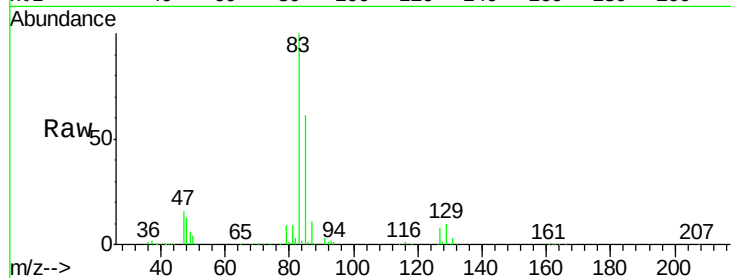
Tgt Ion: 83 Resp: 203259

Ion Ratio Lower Upper

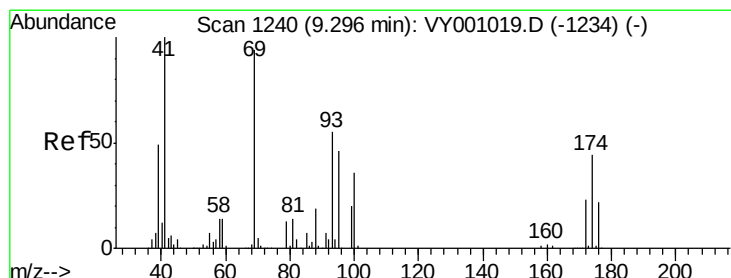
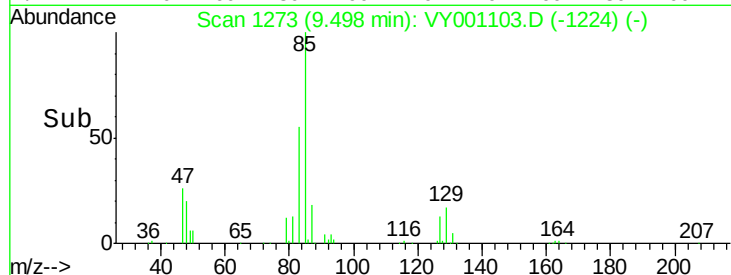
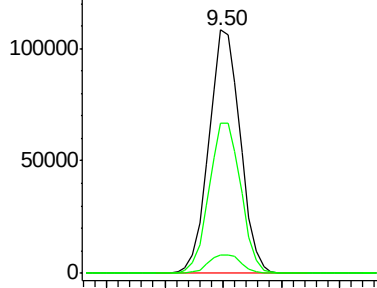
83 100

85 61.5 50.9 76.3

127 7.7 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: 43.416 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

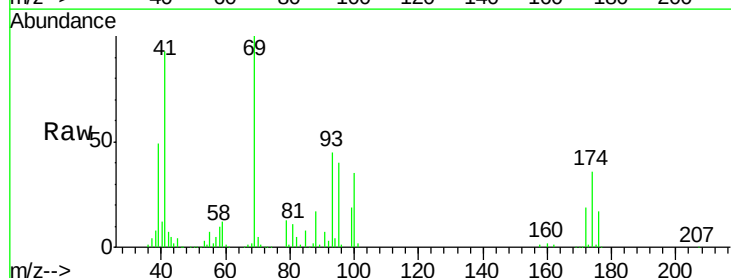
Tgt Ion: 41 Resp: 87845

Ion Ratio Lower Upper

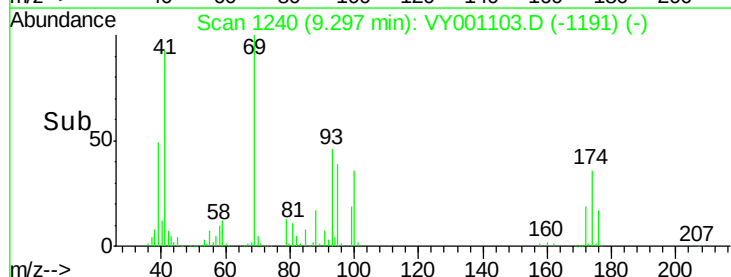
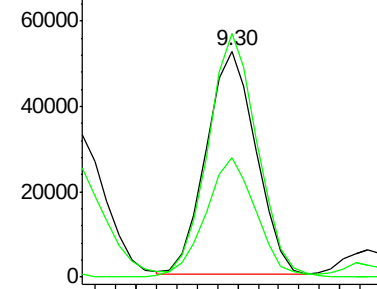
41 100

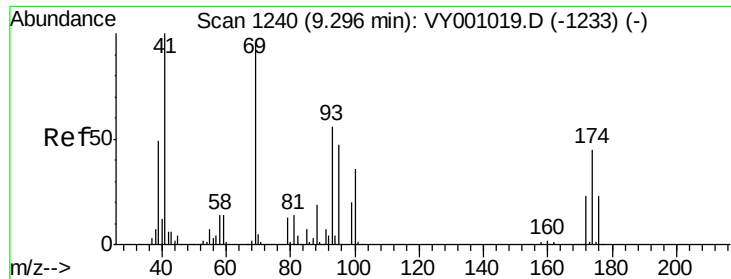
69 109.6 79.8 119.6

39 54.4 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

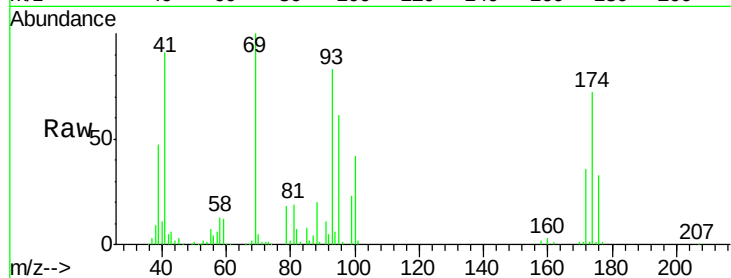




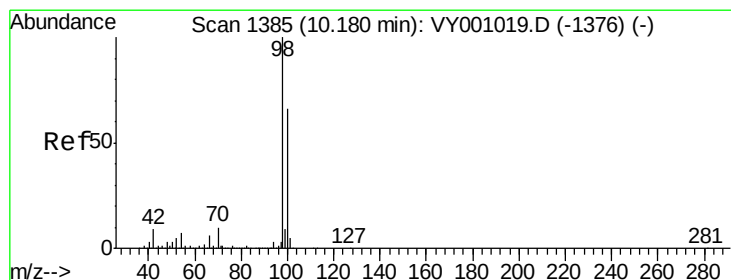
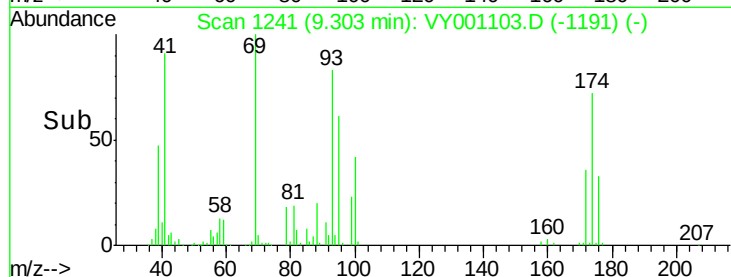
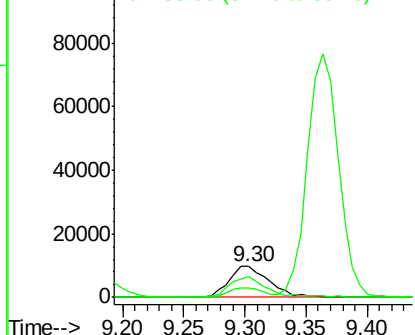
#49
1,4-Dioxane
Concen: 846.611 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

Tgt Ion: 88 Resp: 22350
Ion Ratio Lower Upper
88 100
43 28.5 23.0 34.4
58 60.6 54.9 82.3

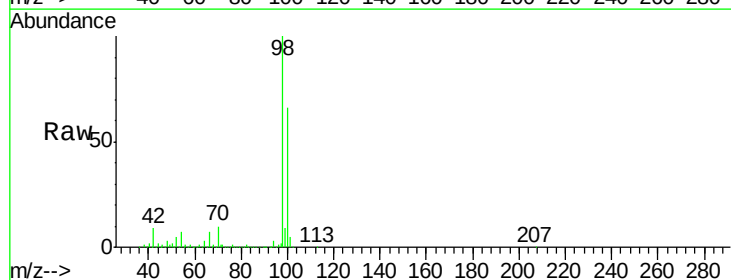


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

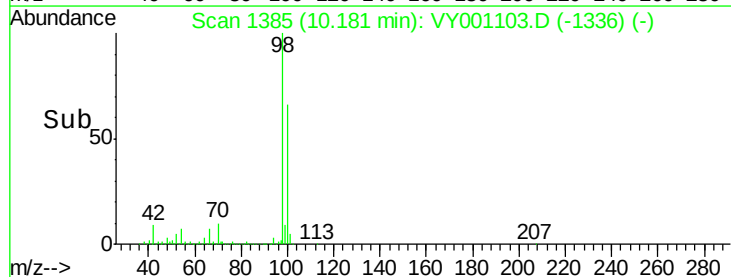
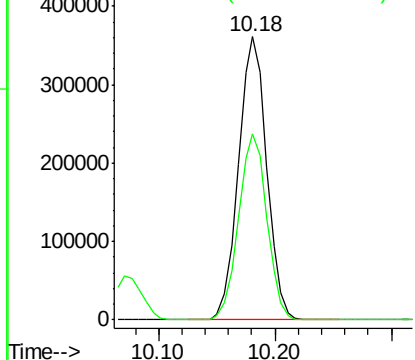


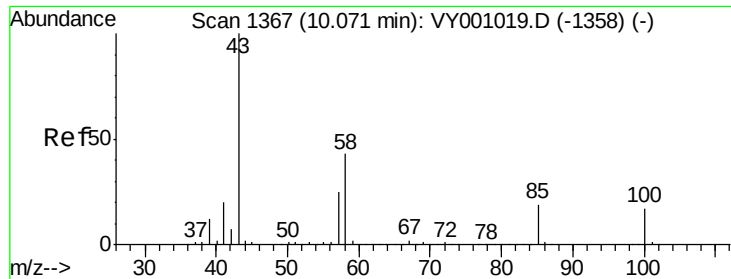
#50
Toluene-d8
Concen: 54.483 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion: 98 Resp: 607934
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4



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

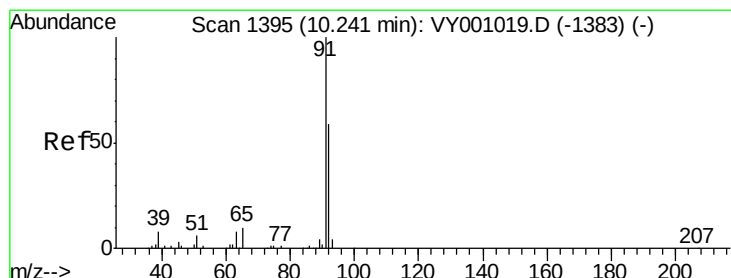
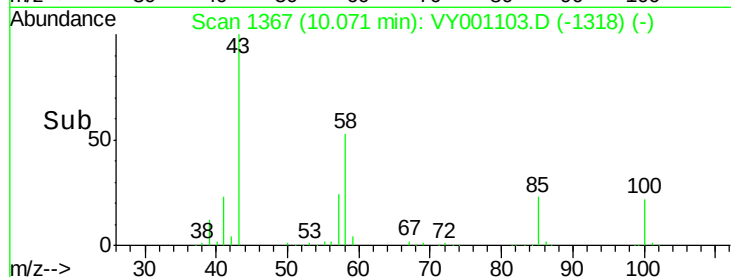
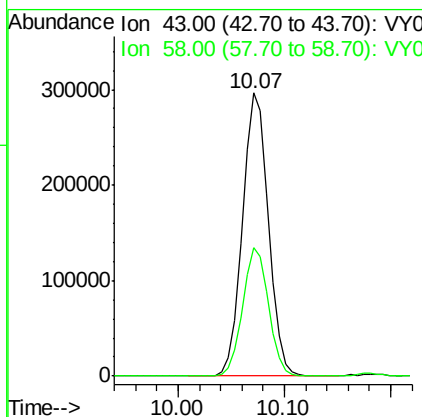
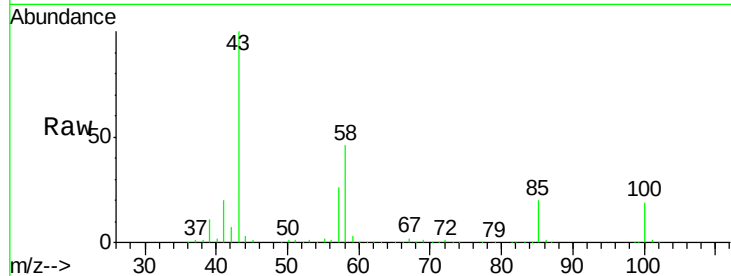




#51
 4-Methyl-2-Pentanone
 Concen: 205.251 ug/l
 RT: 10.07 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

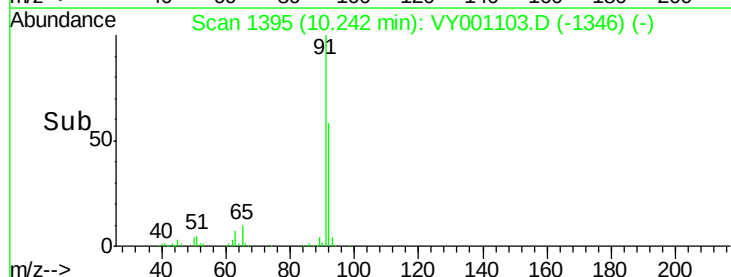
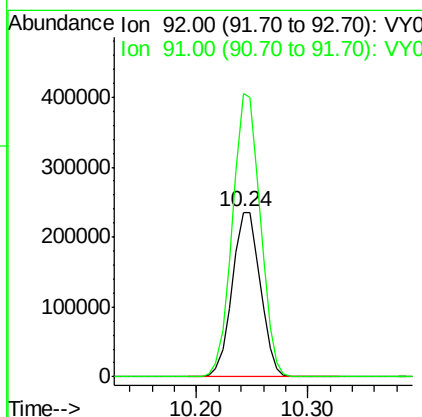
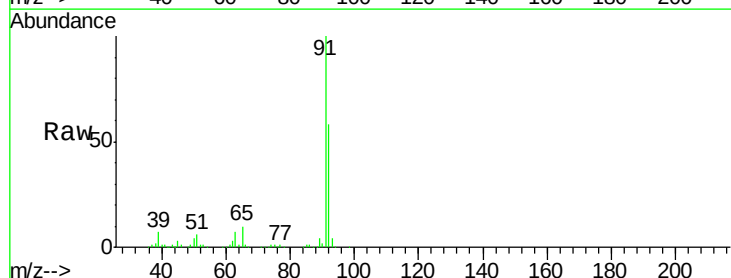
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MSD

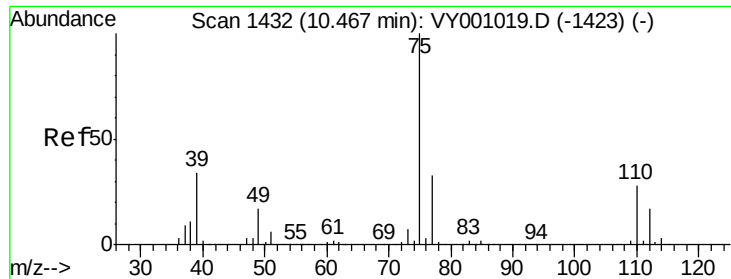
Tgt Ion: 43 Resp: 507237
 Ion Ratio Lower Upper
 43 100
 58 45.3 34.6 52.0



#52
 Toluene
 Concen: 48.049 ug/l
 RT: 10.24 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

Tgt Ion: 92 Resp: 412711
 Ion Ratio Lower Upper
 92 100
 91 169.8 135.7 203.5

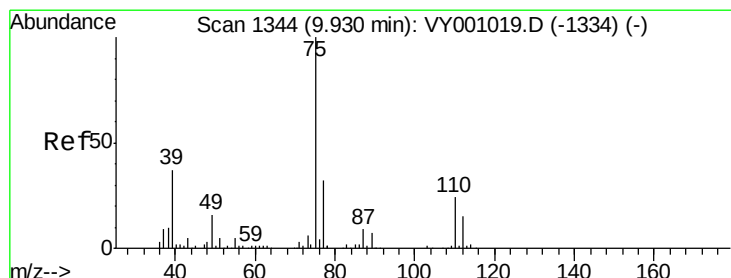
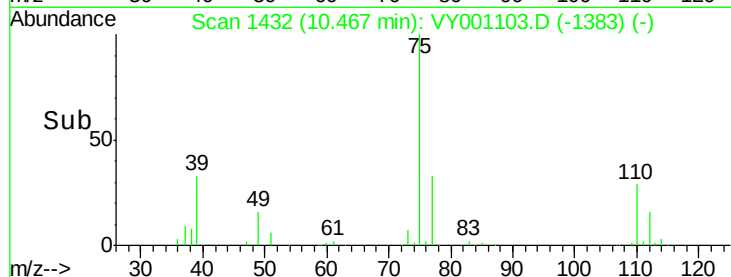
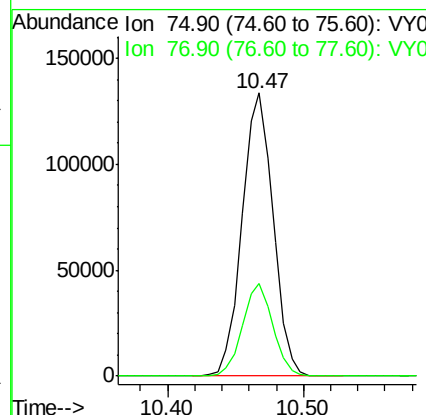
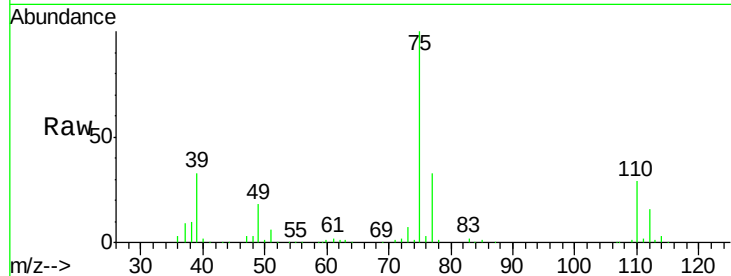




#53
 t-1,3-Dichloropropene
 Concen: 46.936 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

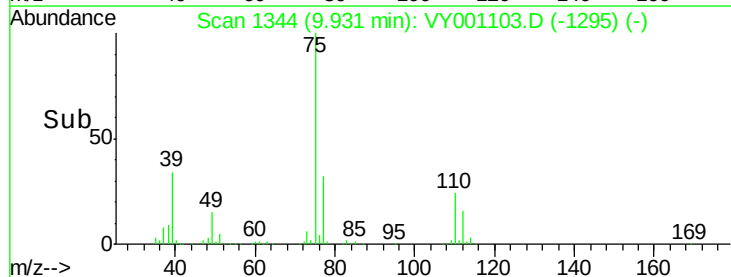
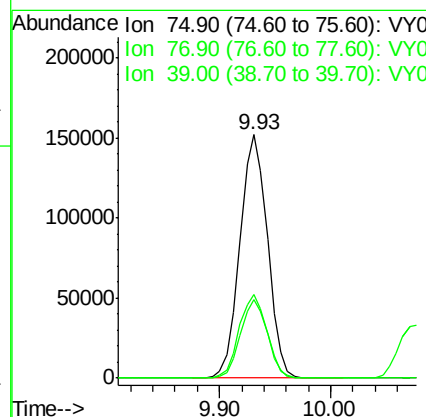
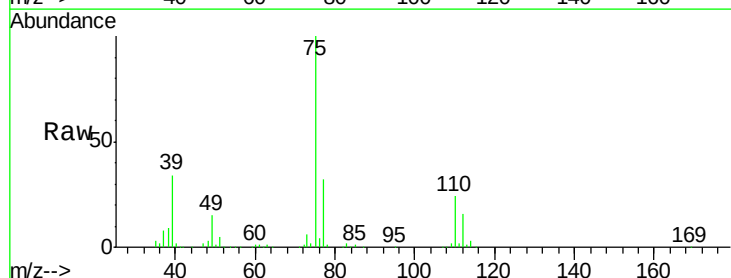
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MSD

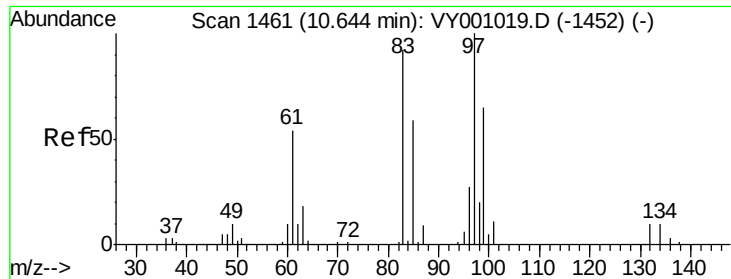
Tgt Ion: 75 Resp: 212940
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.5 39.7



#54
 cis-1,3-Dichloropropene
 Concen: 47.657 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

Tgt Ion: 75 Resp: 259986
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.2 37.8
 39 34.3 29.5 44.3





#55

1,1,2-Trichloroethane

Concen: 49.197 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. 0.00 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MSD

Tgt Ion: 97 Resp: 132545

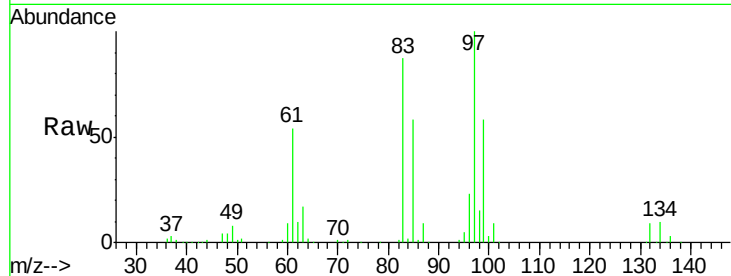
Ion Ratio Lower Upper

97 100

83 86.9 73.7 110.5

85 58.3 47.3 70.9

99 57.7 51.9 77.9

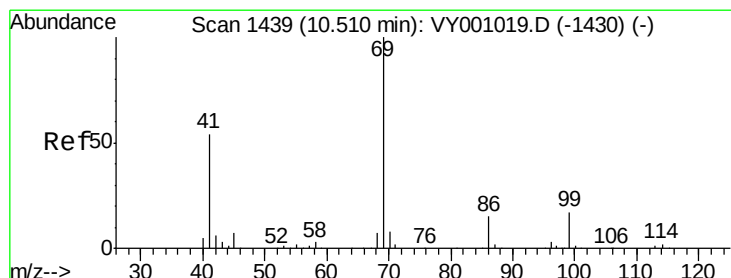
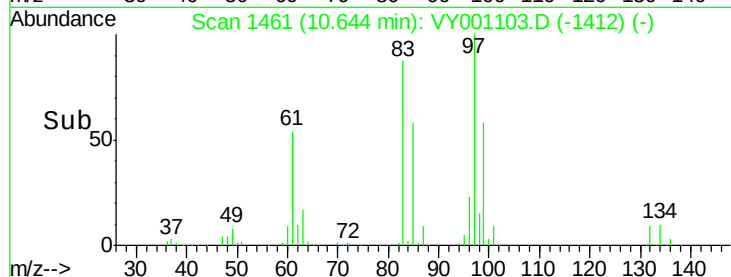
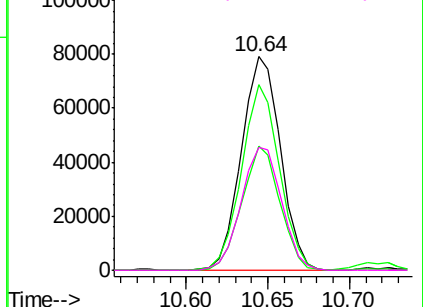


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 43.540 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

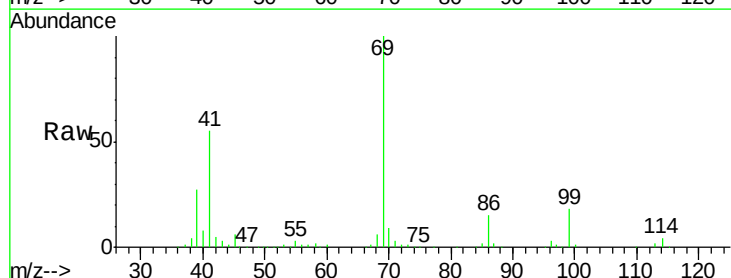
Tgt Ion: 69 Resp: 166952

Ion Ratio Lower Upper

69 100

41 51.9 44.7 67.1

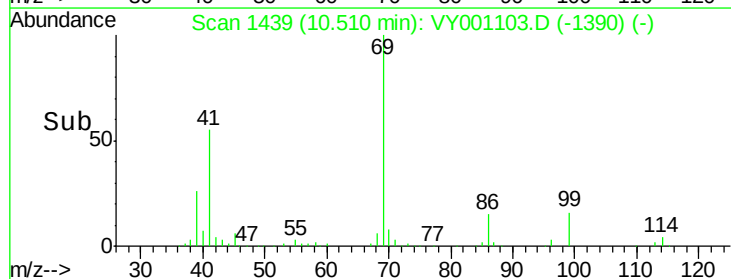
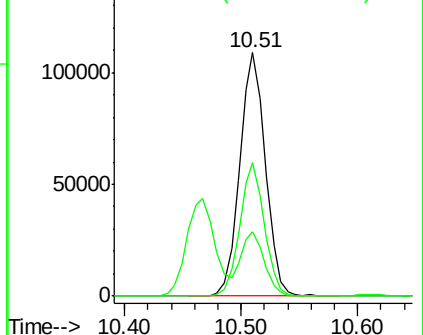
39 24.3 22.2 33.4

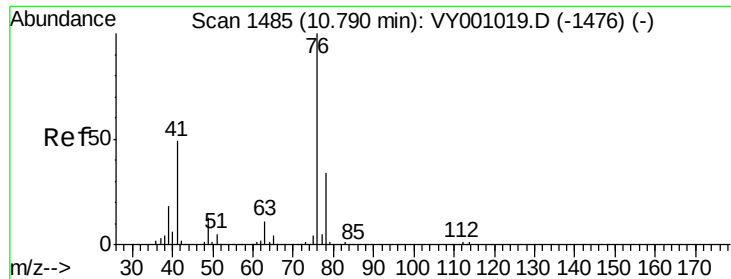


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 47.209 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

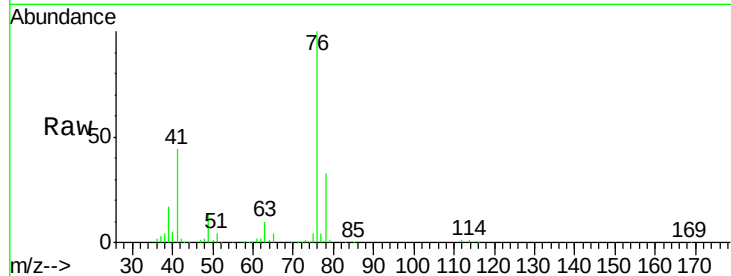
LIED-BF001-01MSD

Tgt Ion: 76 Resp: 222941

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.79

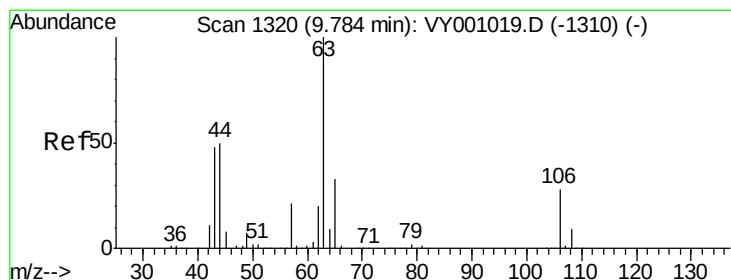
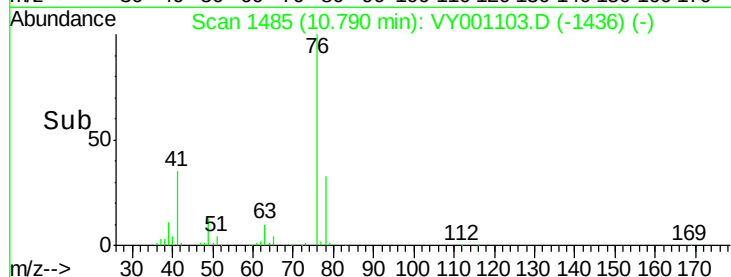
150000

100000

50000

0

Time--> 10.70 10.75 10.80 10.85



#58

2-Chloroethyl Vinyl ether

Concen: 190.569 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY001103.D

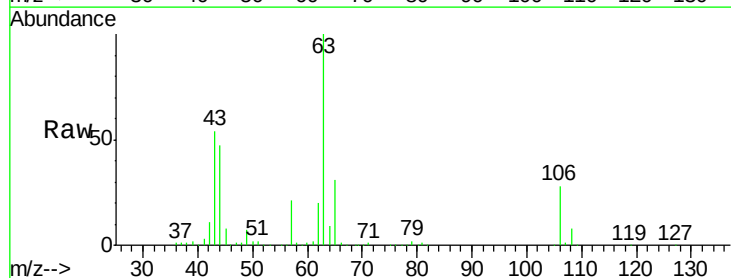
Acq: 27 Dec 2019 17:11

Tgt Ion: 63 Resp: 282234

Ion Ratio Lower Upper

63 100

106 28.5 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.78

200000

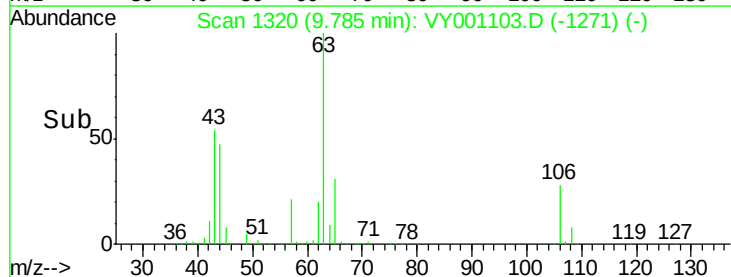
150000

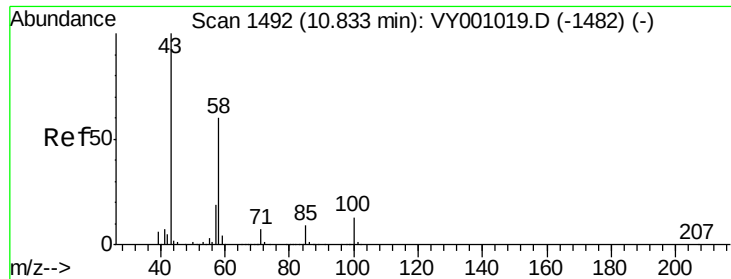
100000

50000

0

Time--> 9.70 9.75 9.80 9.85

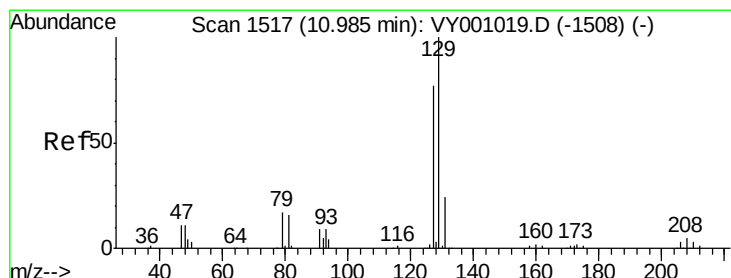
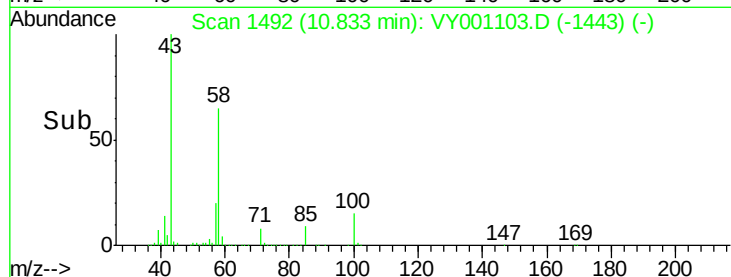
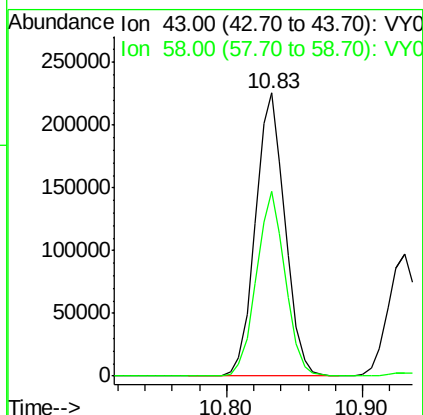
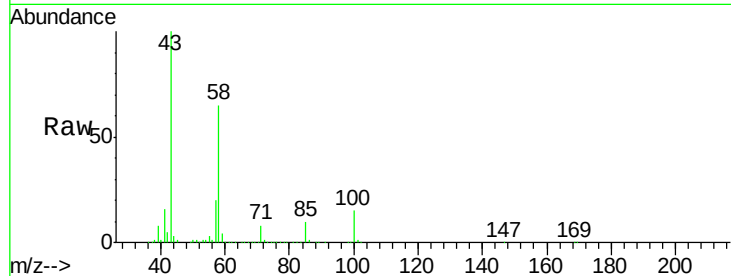




#59
2-Hexanone
Concen: 201.489 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

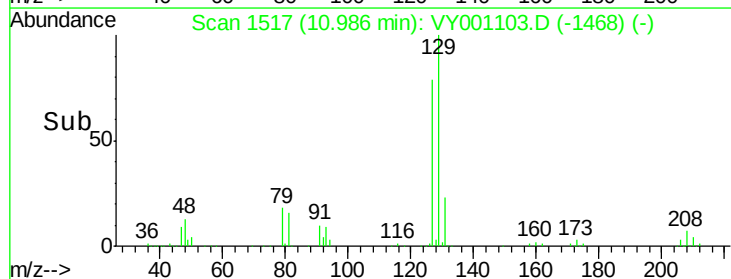
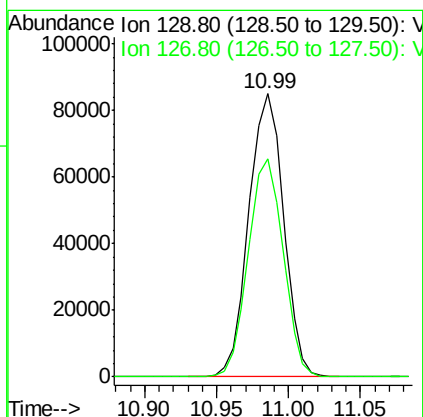
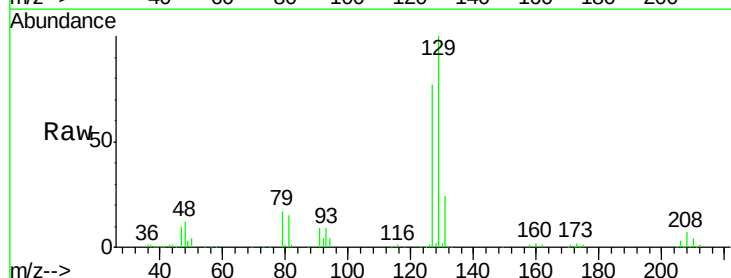
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

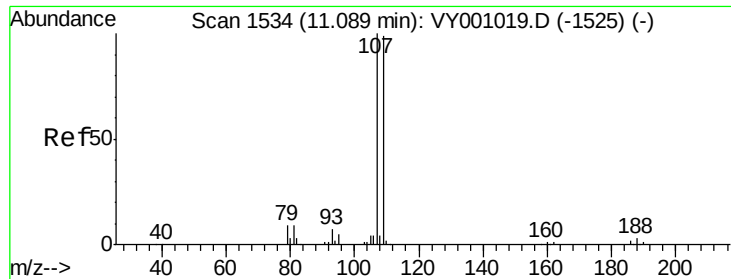
Tgt Ion: 43 Resp: 344545
Ion Ratio Lower Upper
43 100
58 63.5 30.6 91.6



#60
Dibromochloromethane
Concen: 49.305 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion: 129 Resp: 141892
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3

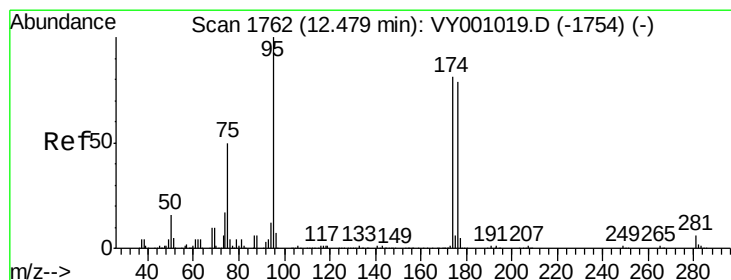
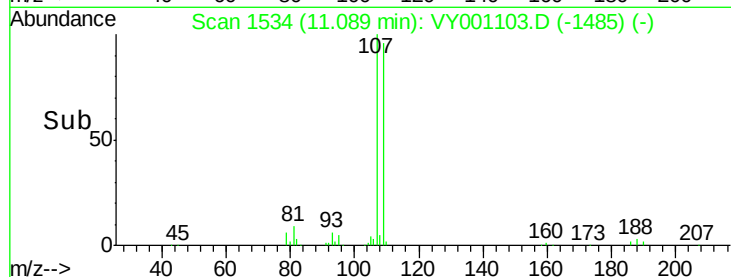
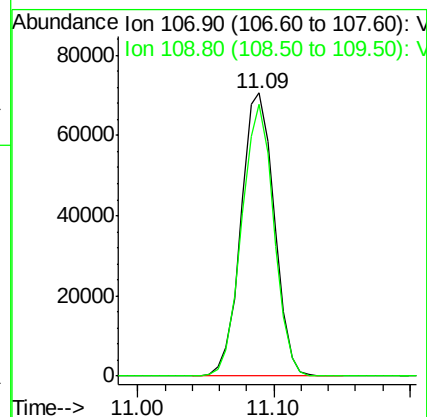
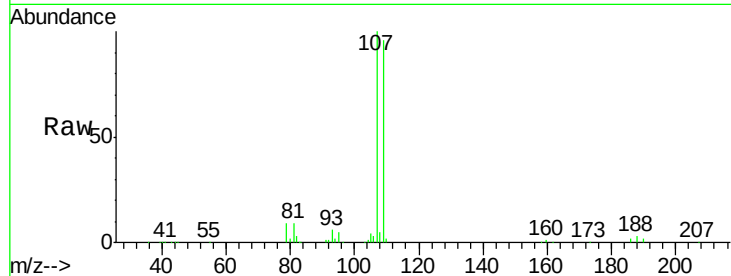




#61
 1,2-Dibromoethane
 Concen: 46.670 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

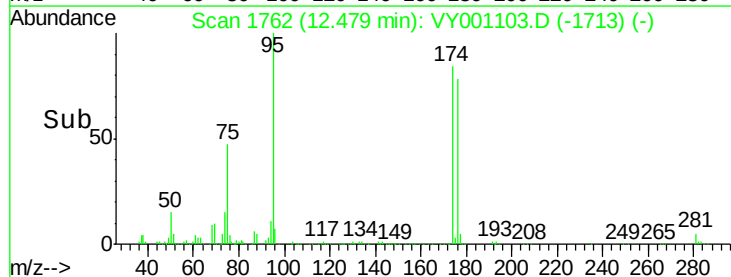
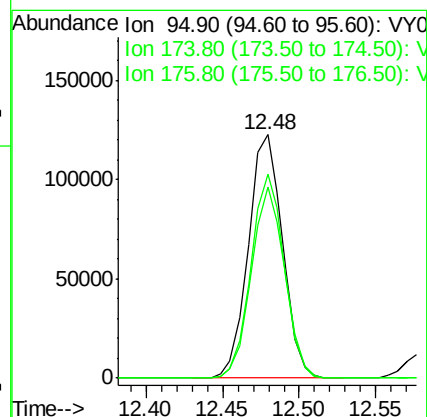
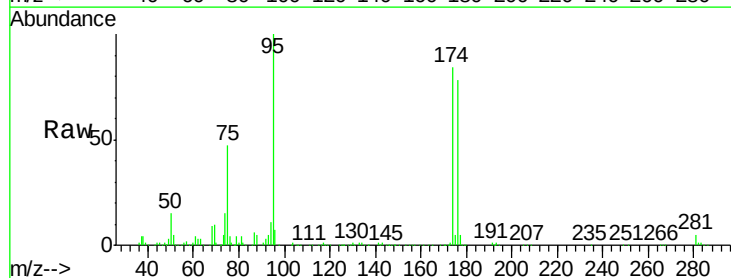
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MSD

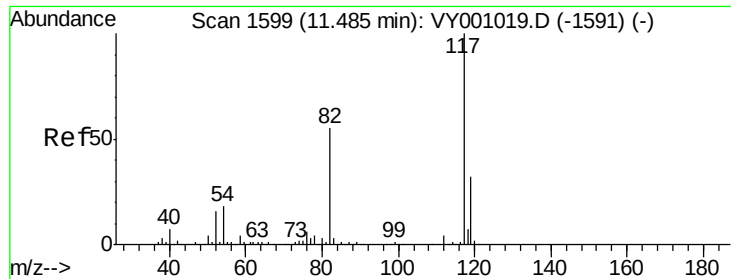
Tgt Ion: 107 Resp: 120238
 Ion Ratio Lower Upper
 107 100
 109 92.9 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 46.504 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

Tgt Ion: 95 Resp: 189721
 Ion Ratio Lower Upper
 95 100
 174 81.7 0.0 156.4
 176 76.5 0.0 155.0

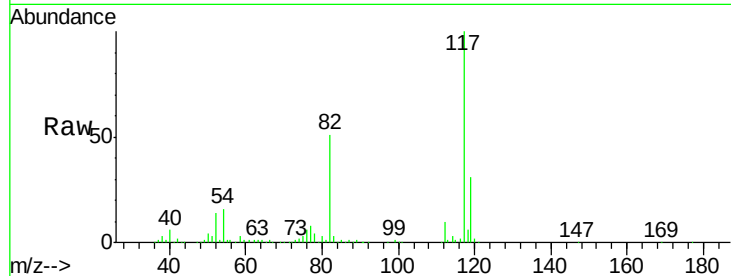




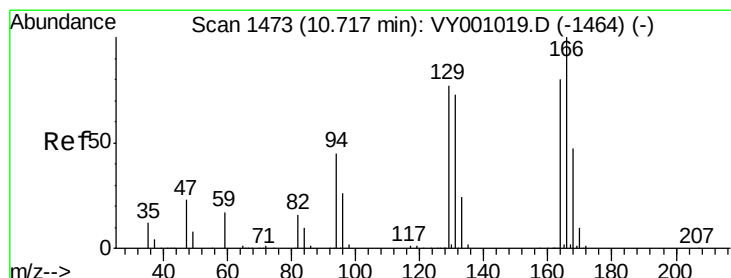
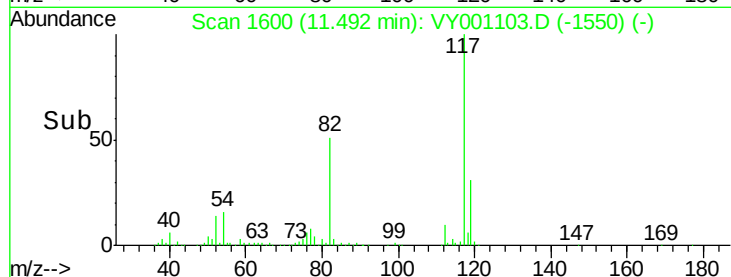
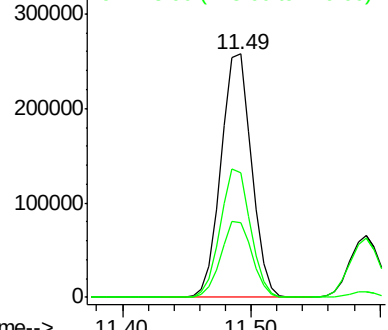
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

Tgt Ion:117 Resp: 420015
Ion Ratio Lower Upper
117 100
82 51.2 43.8 65.8
119 30.7 25.8 38.6



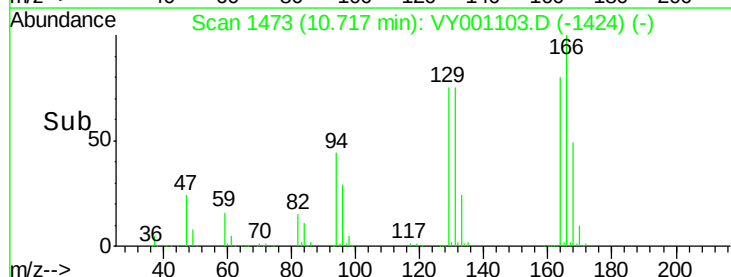
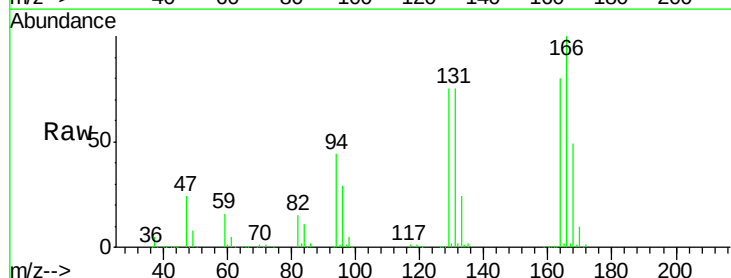
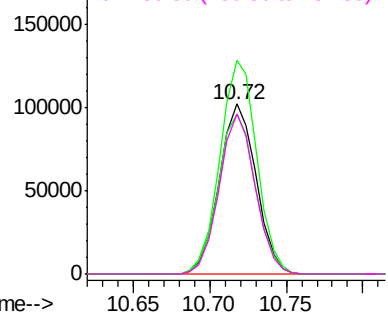
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

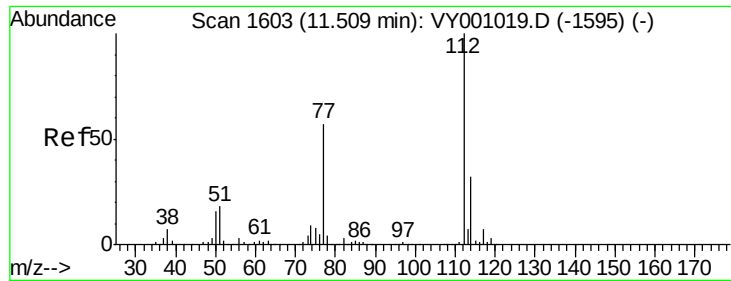


#64
Tetrachloroethene
Concen: 47.108 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion:164 Resp: 171197
Ion Ratio Lower Upper
164 100
166 125.5 99.7 149.5
129 93.8 76.9 115.3
131 94.4 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

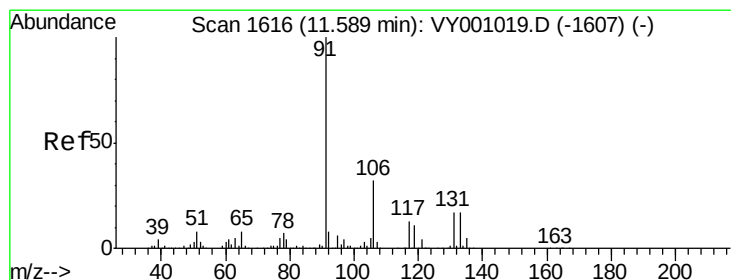
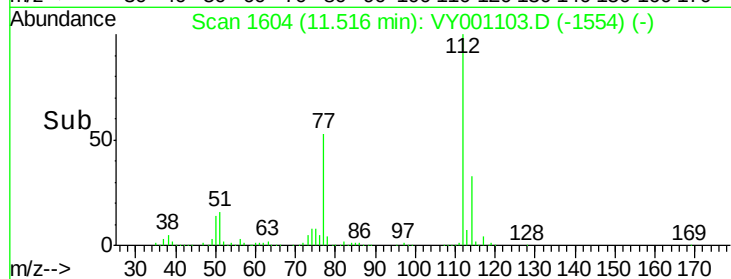
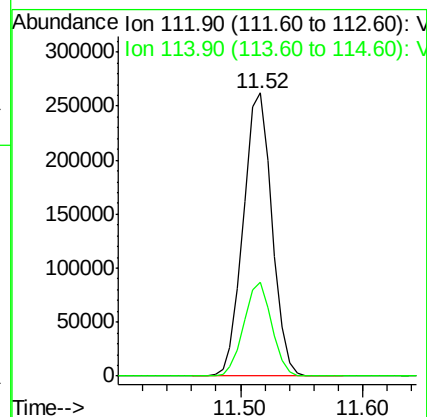
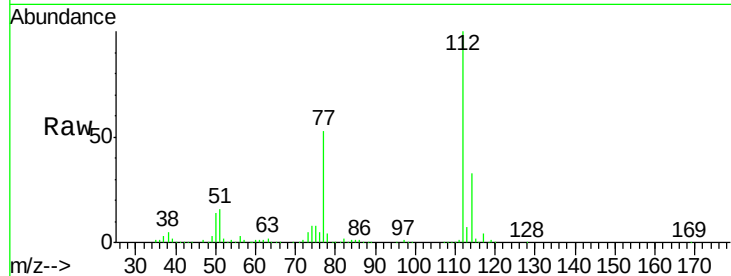




#65
Chlorobenzene
Concen: 48.715 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

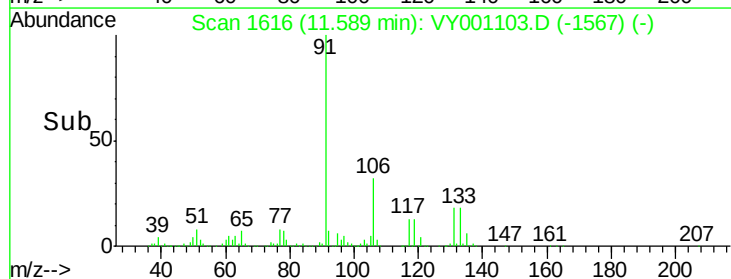
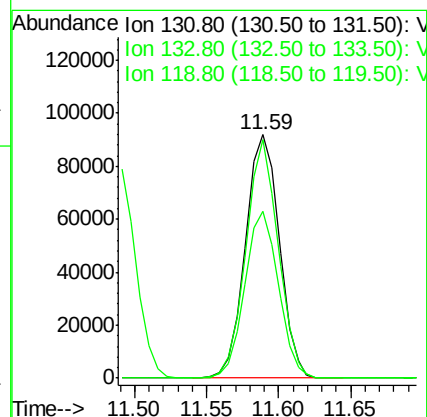
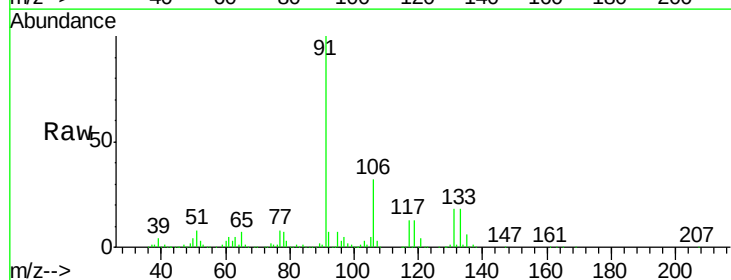
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

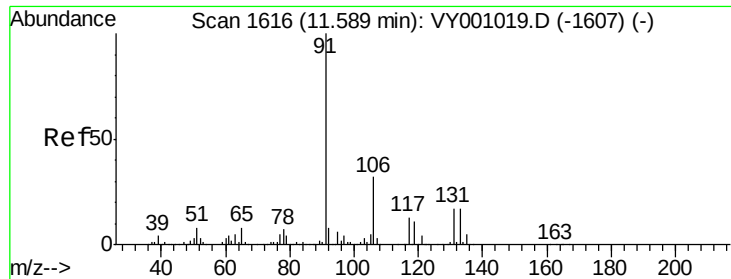
Tgt Ion:112 Resp: 424425
Ion Ratio Lower Upper
112 100
114 33.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.000 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion:131 Resp: 149507
Ion Ratio Lower Upper
131 100
133 94.0 48.1 144.4
119 68.3 34.0 101.8

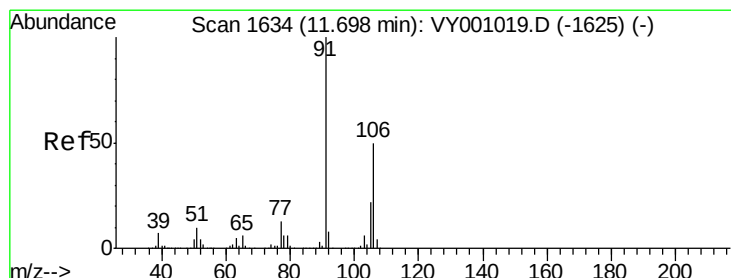
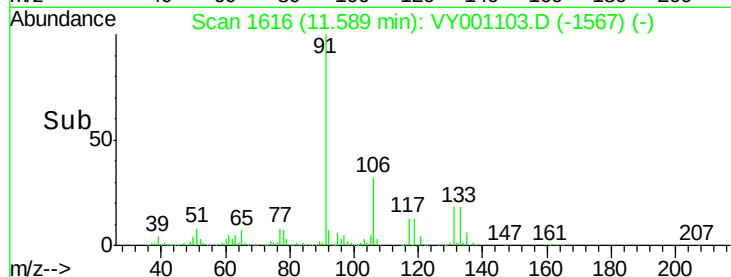
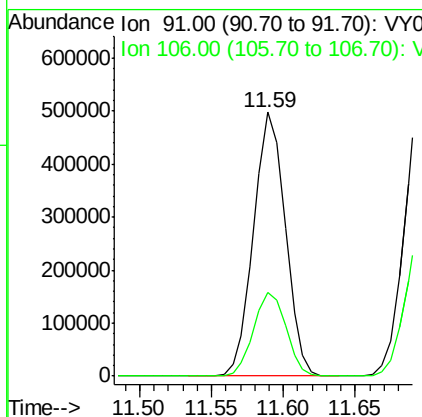
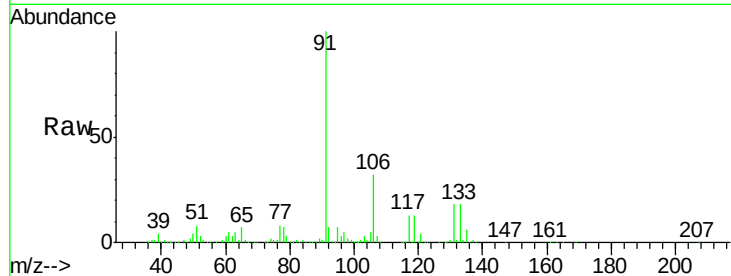




#67
Ethyl Benzene
Concen: 48.502 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

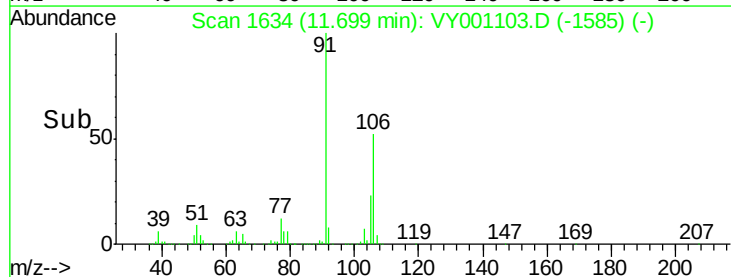
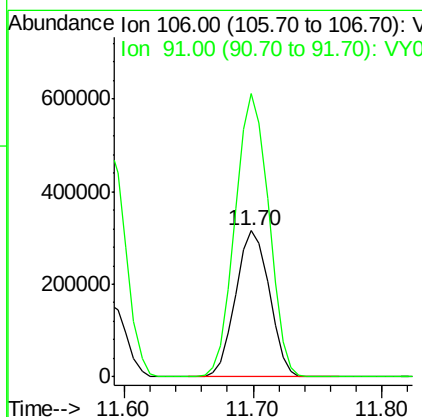
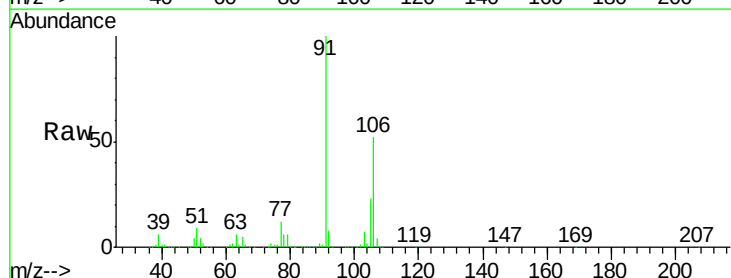
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

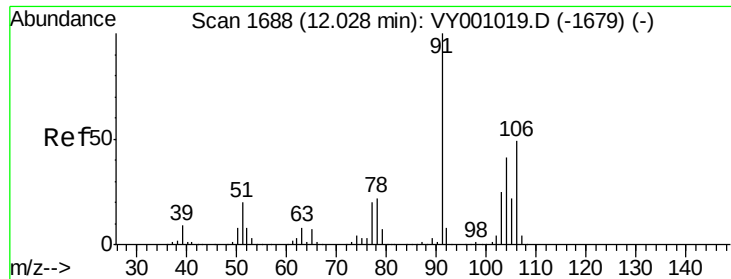
Tgt Ion: 91 Resp: 760064
Ion Ratio Lower Upper
91 100
106 31.7 25.3 37.9



#68
m/p-Xylenes
Concen: 96.380 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion: 106 Resp: 573472
Ion Ratio Lower Upper
106 100
91 193.0 156.4 234.6

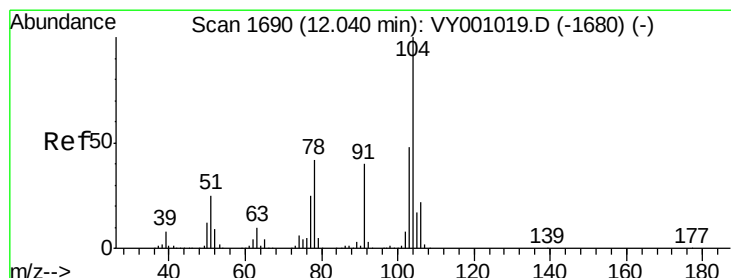
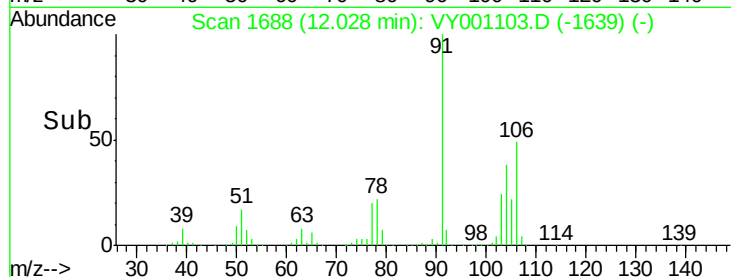
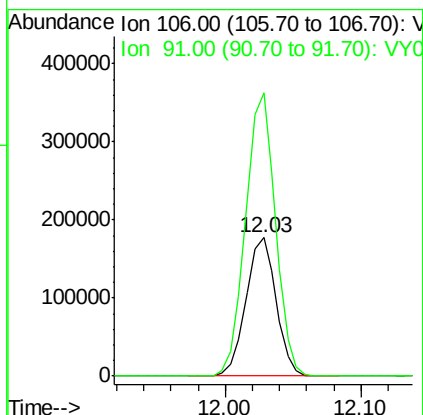
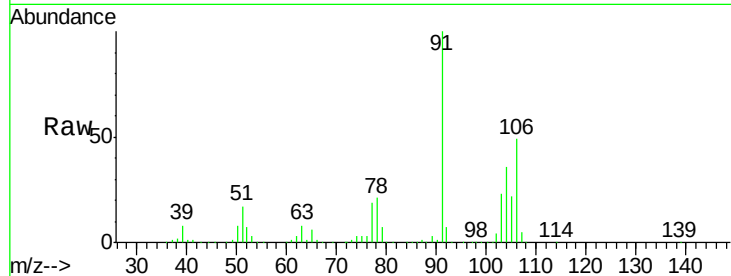




#69
o-Xylene
Concen: 49.263 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

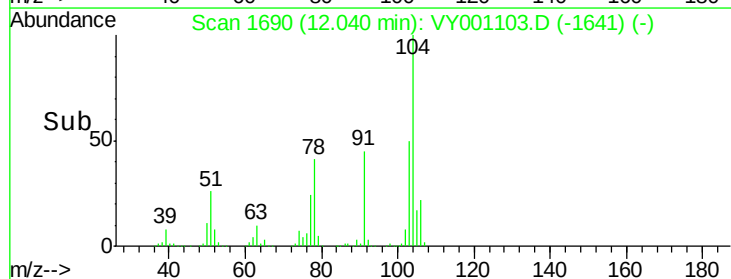
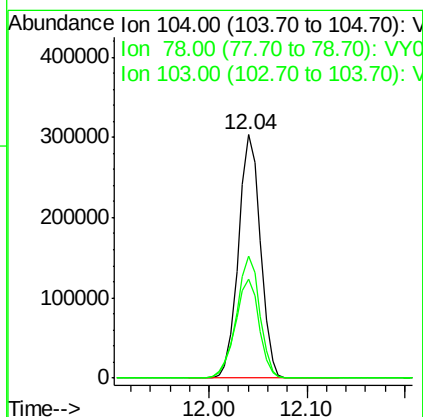
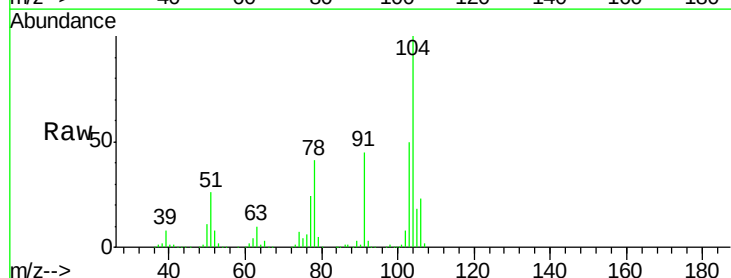
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

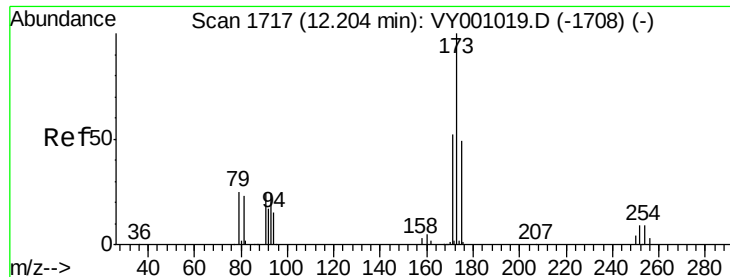
Tgt Ion:106 Resp: 275758
Ion Ratio Lower Upper
106 100
91 202.8 103.0 309.0



#70
Styrene
Concen: 49.643 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion:104 Resp: 472502
Ion Ratio Lower Upper
104 100
78 44.4 36.6 54.8
103 53.1 42.6 64.0





#71

Bromoform

Concen: 49.233 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MSD

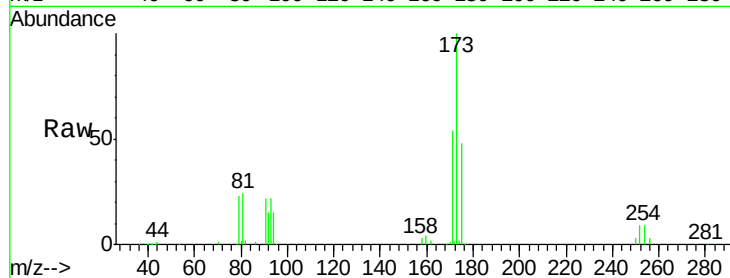
Tgt Ion:173 Resp: 78817

Ion Ratio Lower Upper

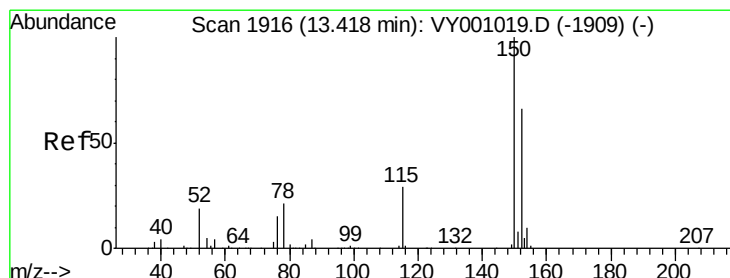
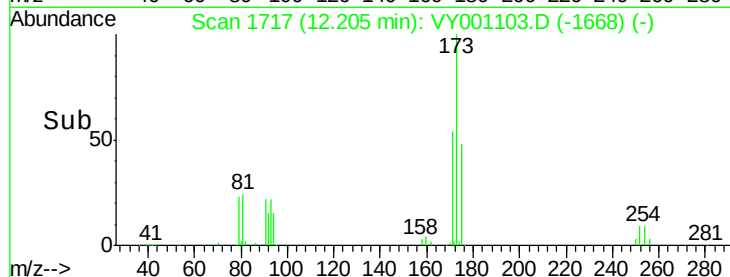
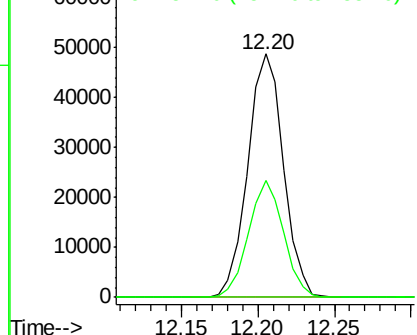
173 100

175 47.1 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: VY001103.D

Acq: 27 Dec 2019 17:11

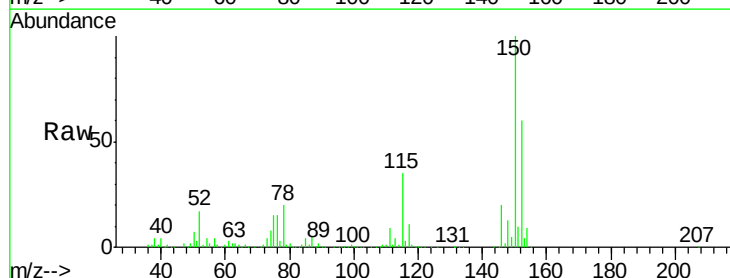
Tgt Ion:152 Resp: 179604

Ion Ratio Lower Upper

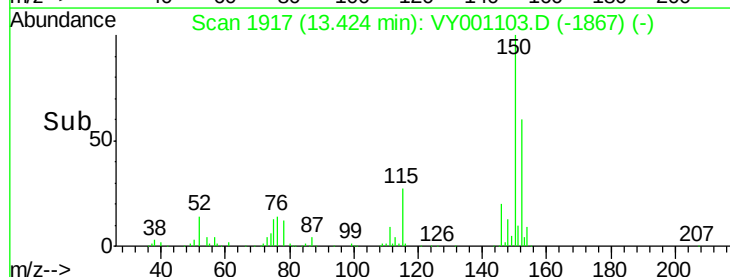
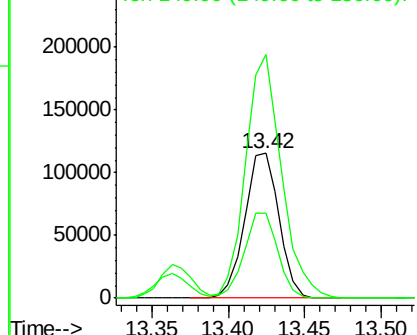
152 100

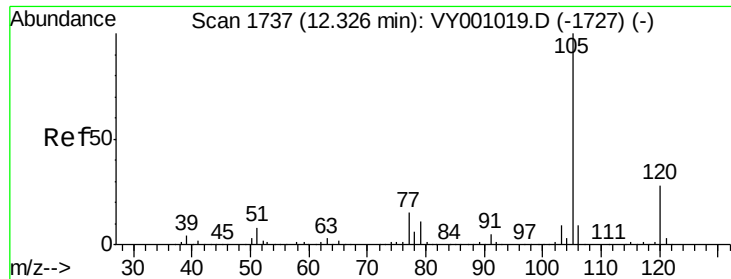
115 57.8 29.8 89.3

150 176.2 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

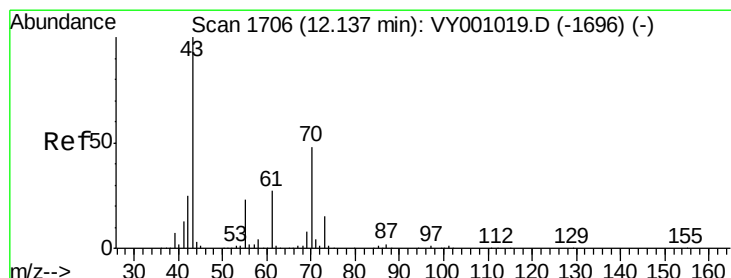
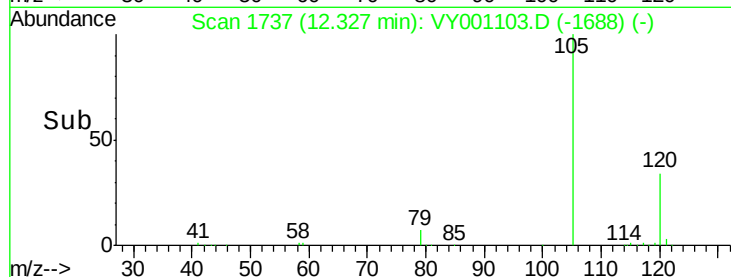
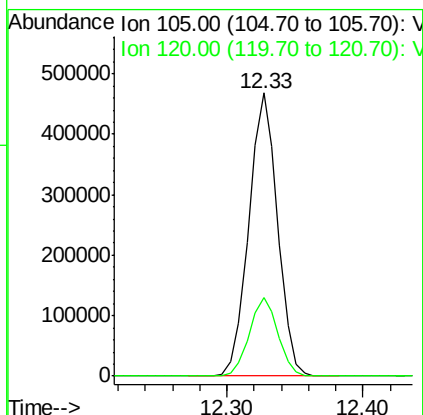
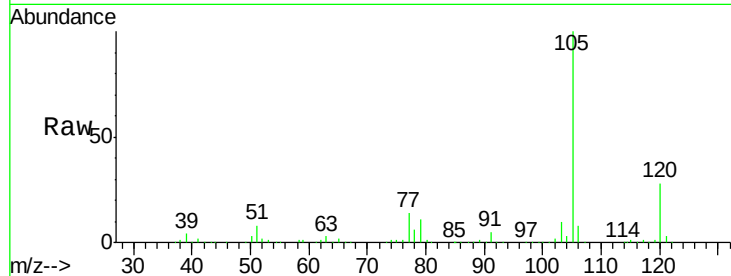




#73
Isopropylbenzene
Concen: 49.791 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

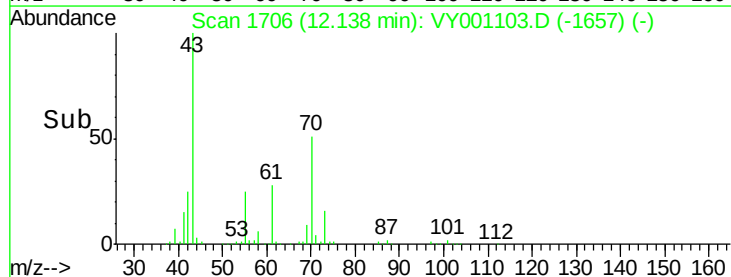
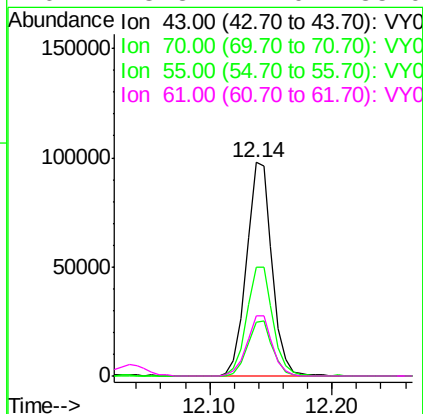
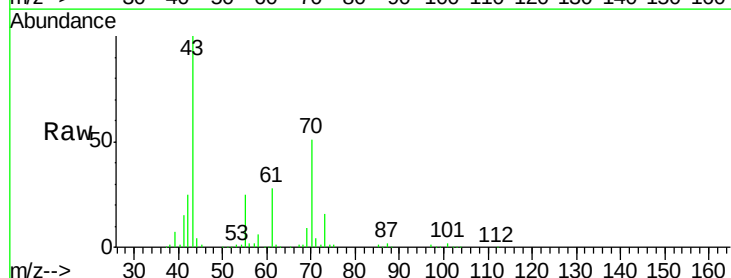
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

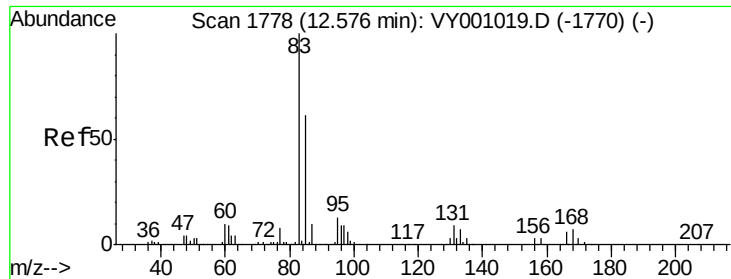
Tgt Ion: 105 Resp: 692022
Ion Ratio Lower Upper
105 100
120 27.7 13.4 40.2



#74
N-ethyl acetate
Concen: 38.729 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion: 43 Resp: 141411
Ion Ratio Lower Upper
43 100
70 52.3 39.0 58.6
55 25.5 19.5 29.3
61 28.3 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.375 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MSD

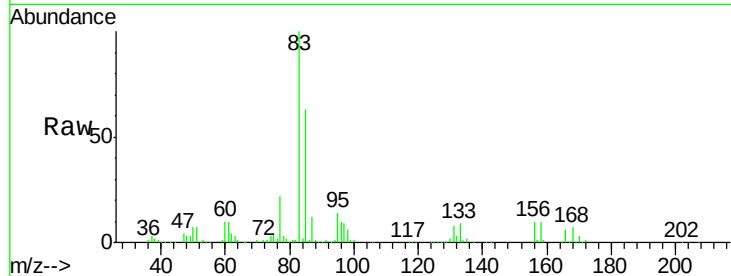
Tgt Ion: 83 Resp: 140665

Ion Ratio Lower Upper

83 100

131 9.3 5.1 15.3

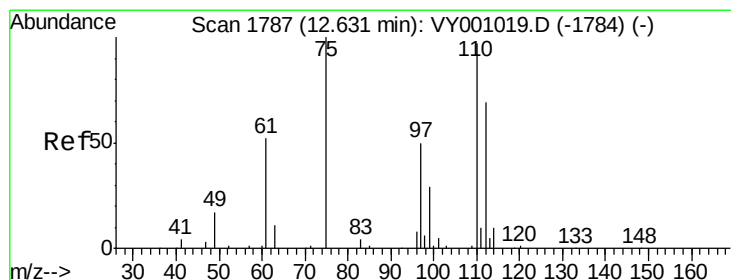
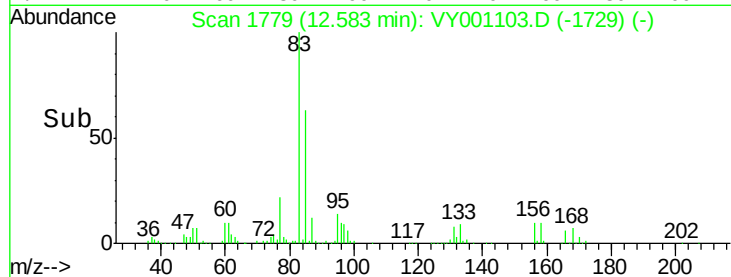
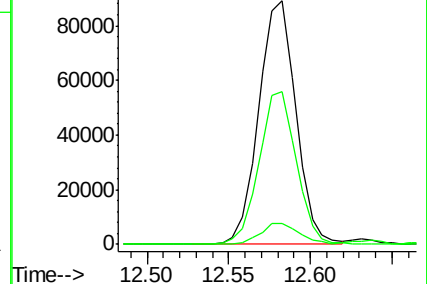
85 62.8 32.1 96.5



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: 83.600 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY001103.D

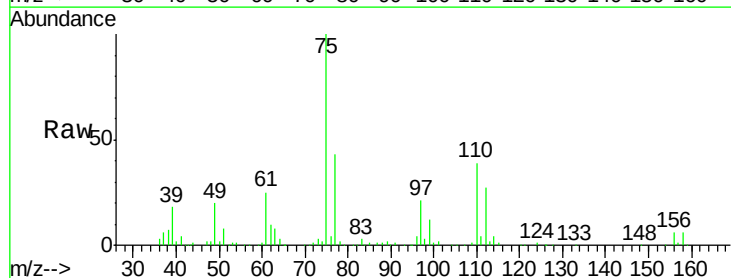
Acq: 27 Dec 2019 17:11

Tgt Ion: 75 Resp: 185102

Ion Ratio Lower Upper

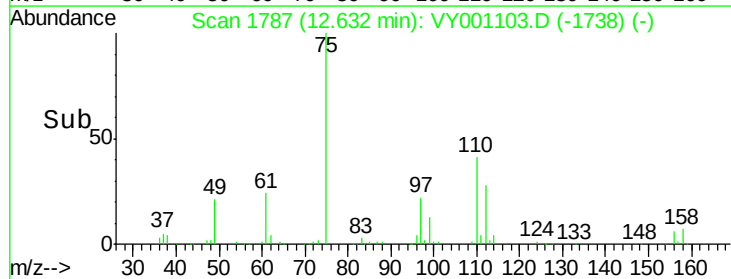
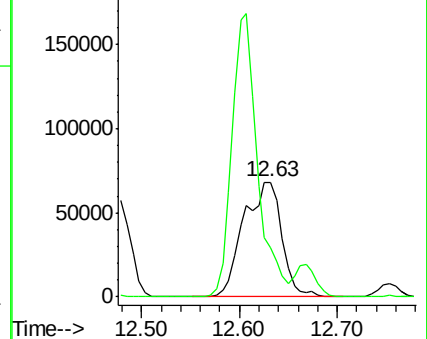
75 100

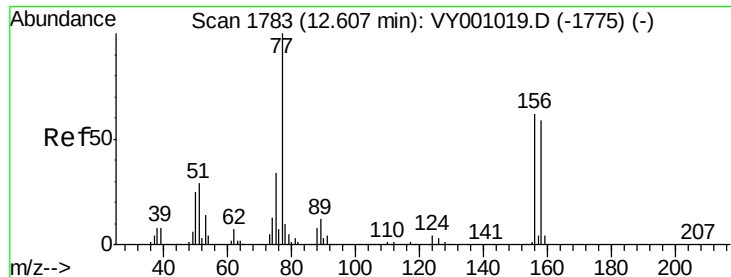
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

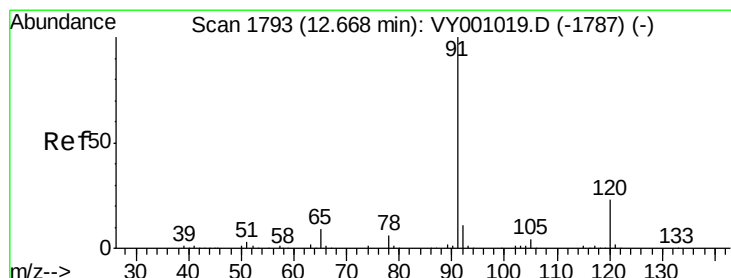
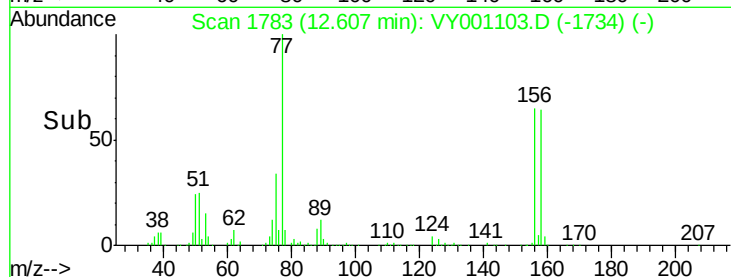
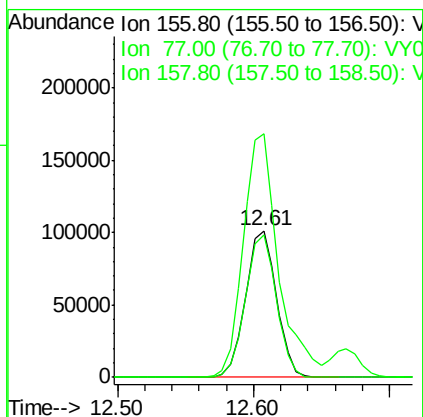
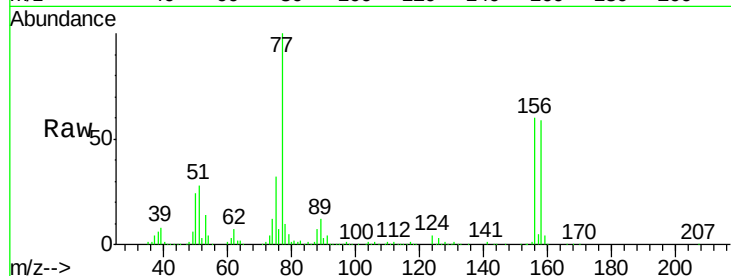




#77
Bromobenzene
Concen: 51.678 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

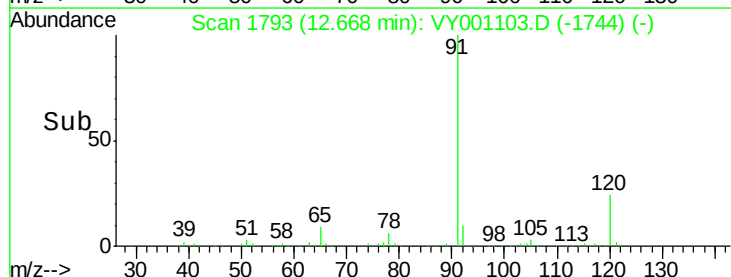
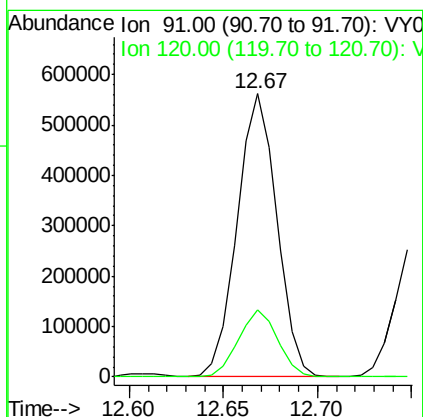
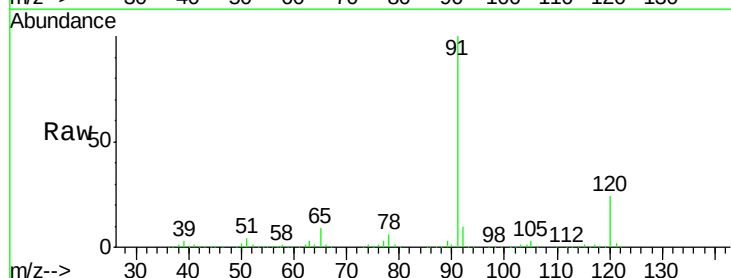
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

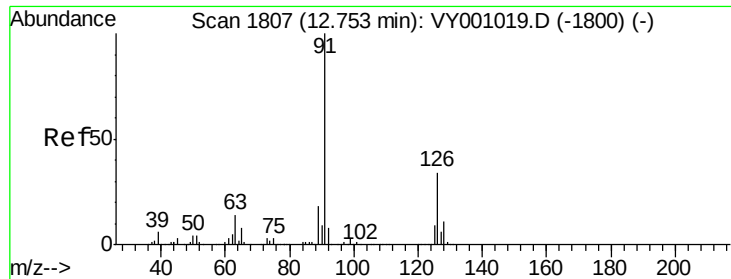
Tgt Ion: 156 Resp: 161537
Ion Ratio Lower Upper
156 100
77 188.6 98.0 294.1
158 97.0 48.5 145.6



#78
n-propylbenzene
Concen: 48.281 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion: 91 Resp: 817663
Ion Ratio Lower Upper
91 100
120 23.4 11.4 34.2





#79

2-Chlorotoluene

Concen: 49.239 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

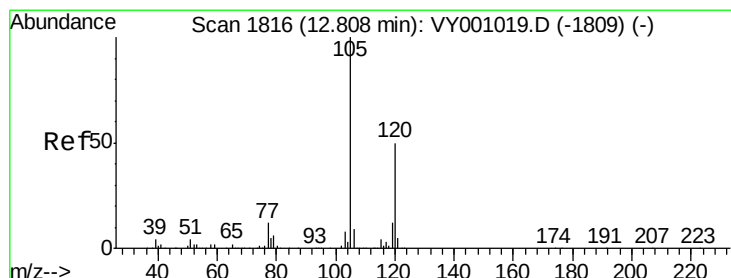
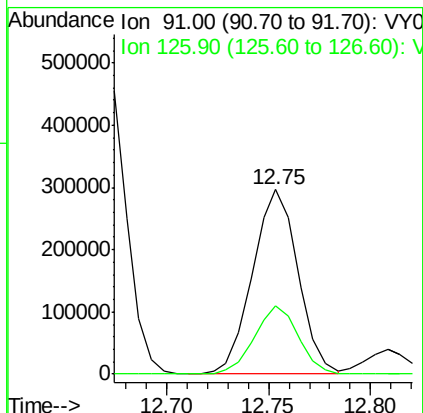
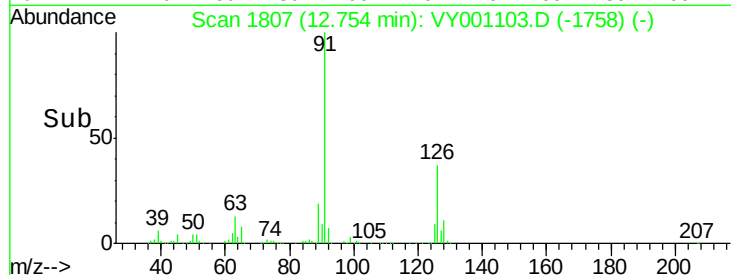
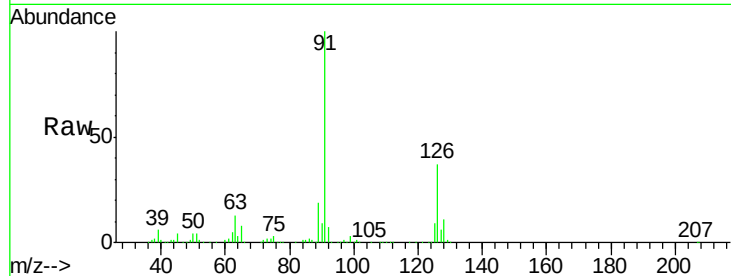
LIED-BF001-01MSD

Tgt Ion: 91 Resp: 460511

Ion Ratio Lower Upper

91 100

126 35.8 17.3 51.7



#80

1,3,5-Trimethylbenzene

Concen: 49.120 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001103.D

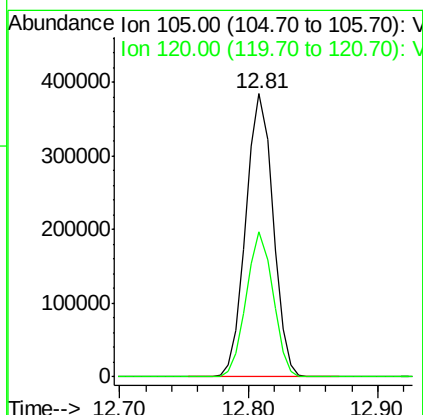
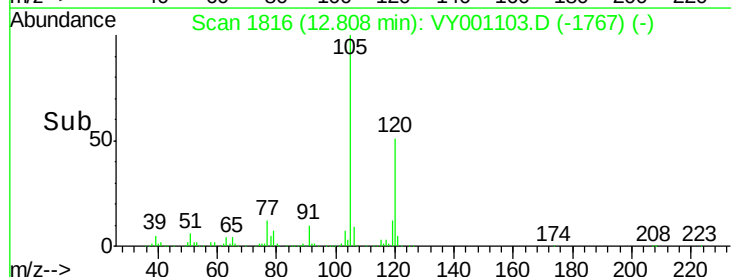
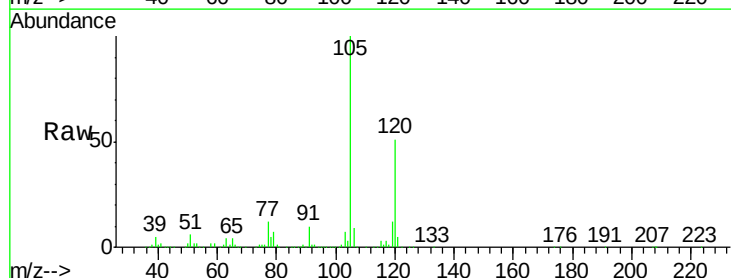
Acq: 27 Dec 2019 17:11

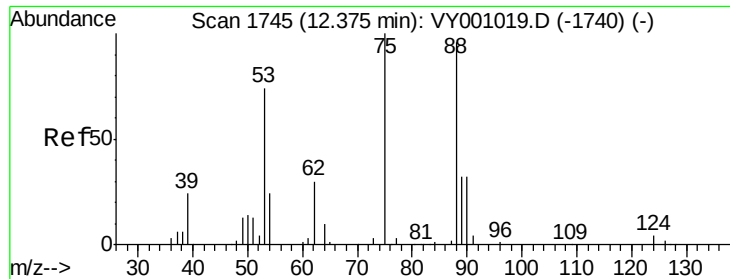
Tgt Ion: 105 Resp: 559605

Ion Ratio Lower Upper

105 100

120 50.5 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 48.016 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01MSD

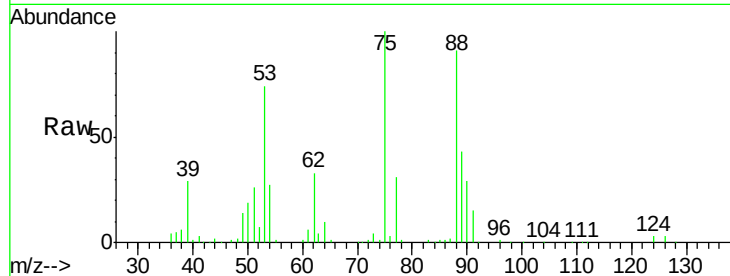
Tgt Ion: 75 Resp: 49848

Ion Ratio Lower Upper

75 100

53 75.4 60.6 91.0

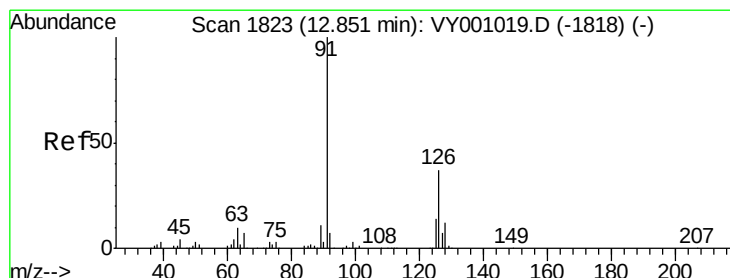
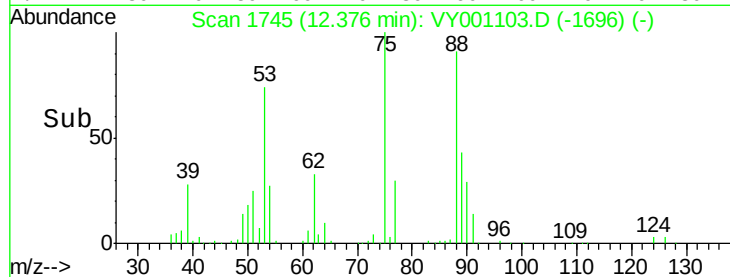
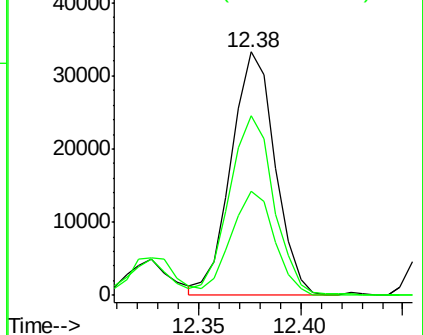
89 42.3 35.4 53.0



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: 48.957 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY001103.D

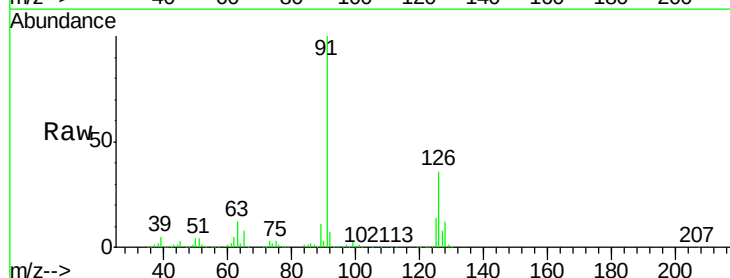
Acq: 27 Dec 2019 17:11

Tgt Ion: 91 Resp: 475581

Ion Ratio Lower Upper

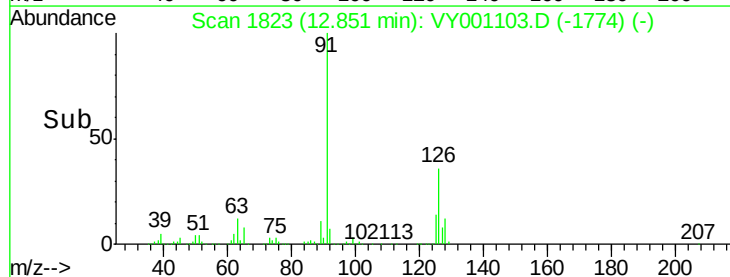
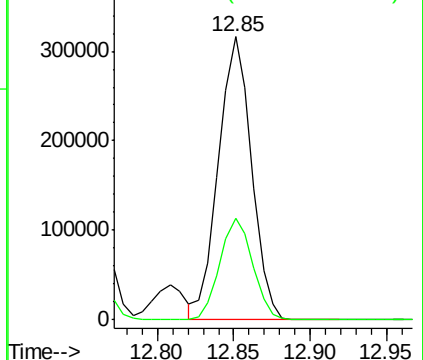
91 100

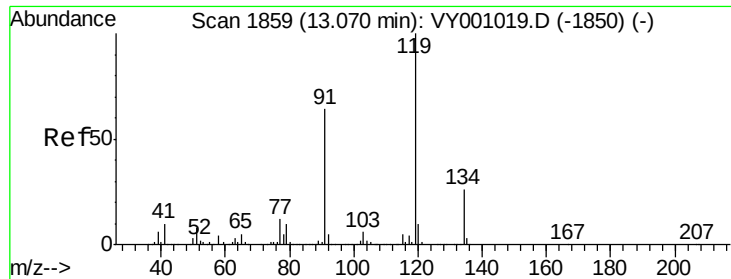
126 35.6 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

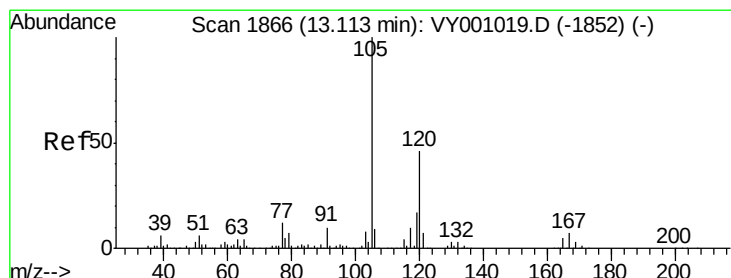
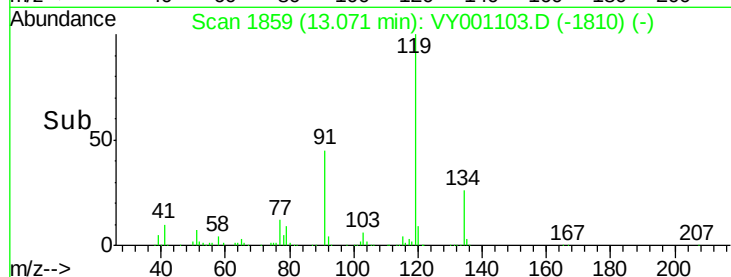
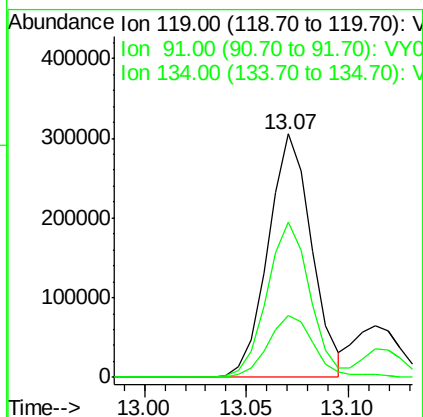
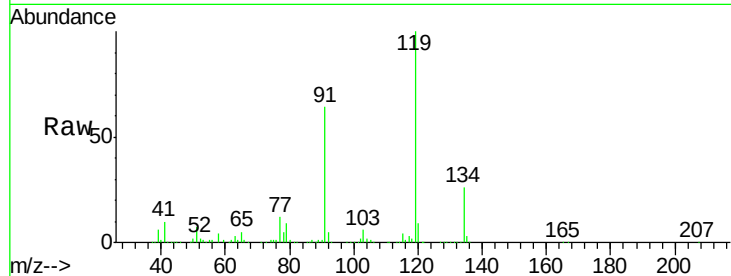




#83
 tert-Butylbenzene
 Concen: 47.509 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

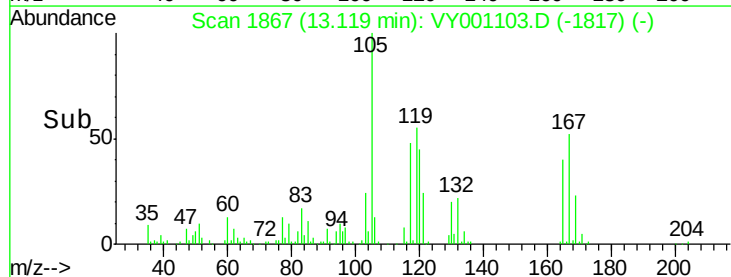
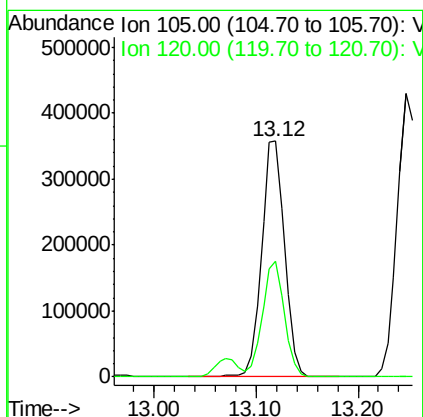
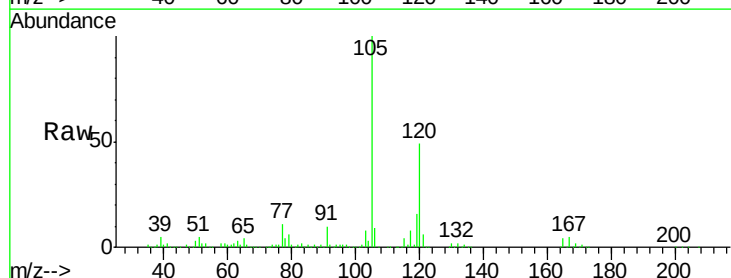
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MSD

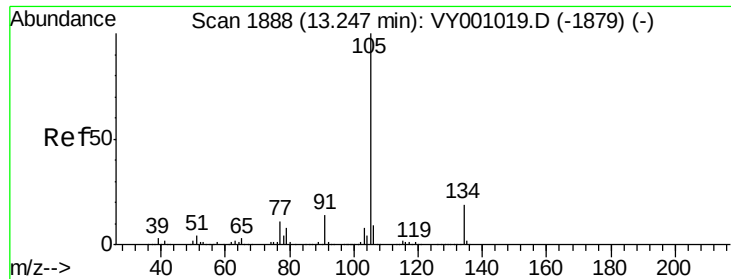
Tgt Ion:119 Resp: 454338
 Ion Ratio Lower Upper
 119 100
 91 63.7 31.9 95.7
 134 27.3 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 48.995 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

Tgt Ion:105 Resp: 560912
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.2





#85

sec-Butylbenzene

Concen: 45.202 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

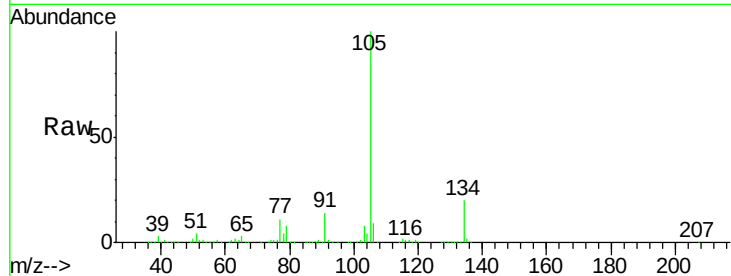
LIED-BF001-01MSD

Tgt Ion:105 Resp: 637280

Ion Ratio Lower Upper

105 100

134 20.6 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

400000

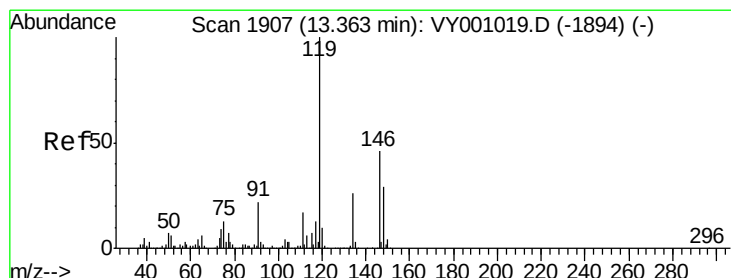
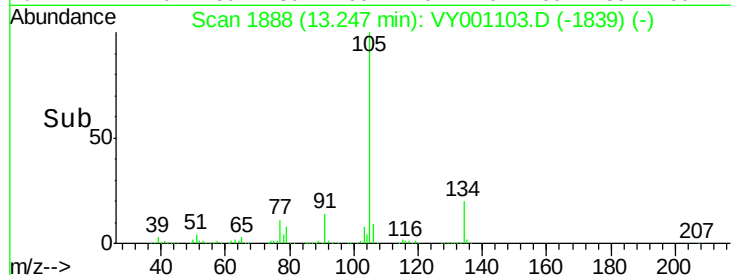
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 45.599 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001103.D

Acq: 27 Dec 2019 17:11

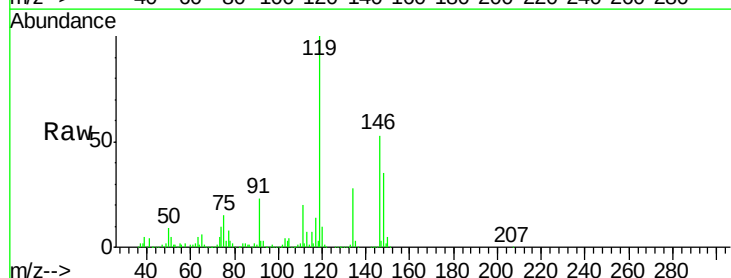
Tgt Ion:119 Resp: 556272

Ion Ratio Lower Upper

119 100

134 27.7 13.6 40.7

91 21.9 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

13.36

400000

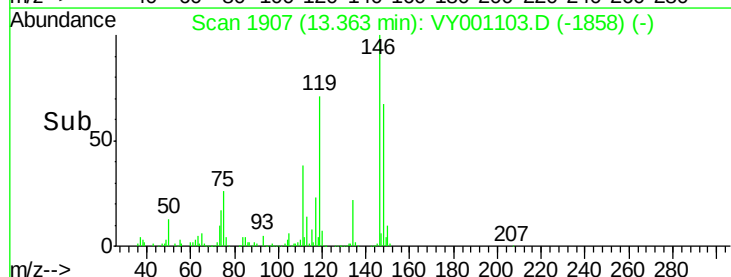
300000

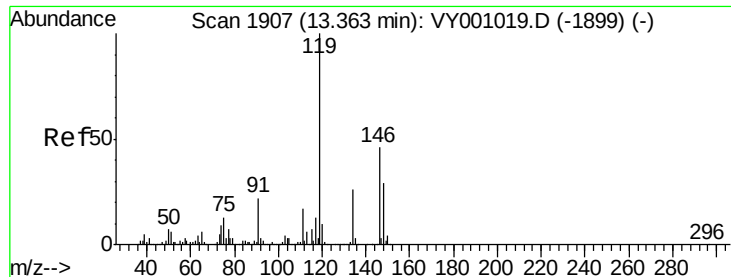
200000

100000

0

Time-->

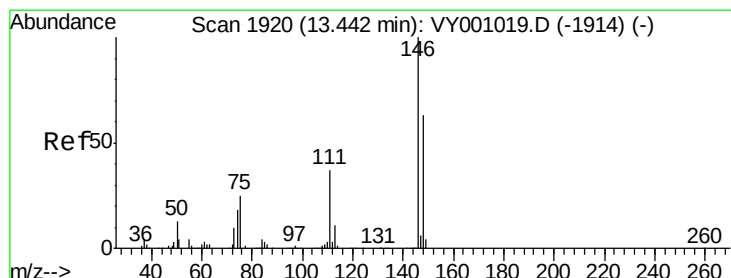
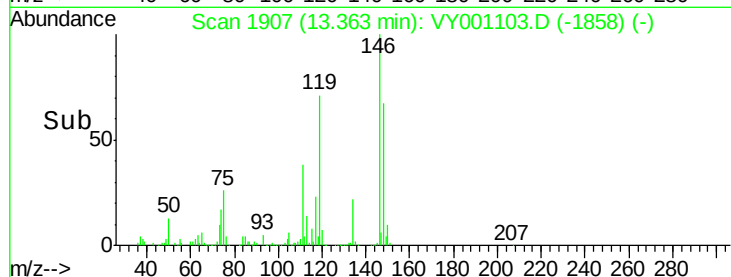
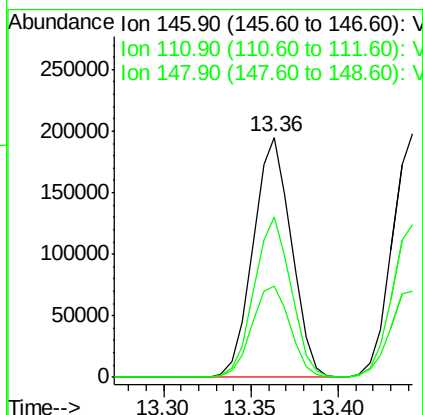
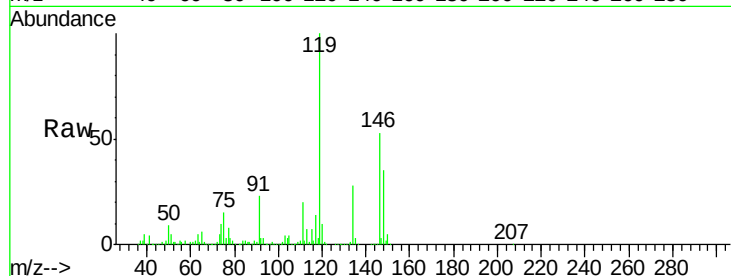




#87
 1,3-Dichlorobenzene
 Concen: 49.223 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

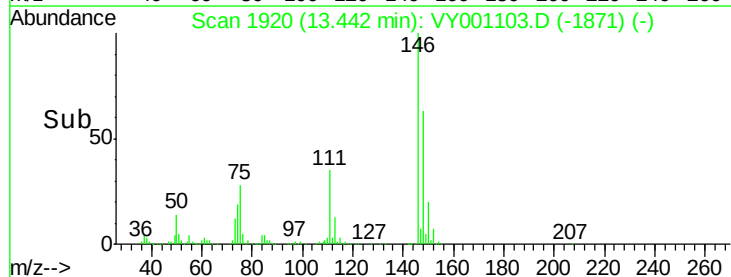
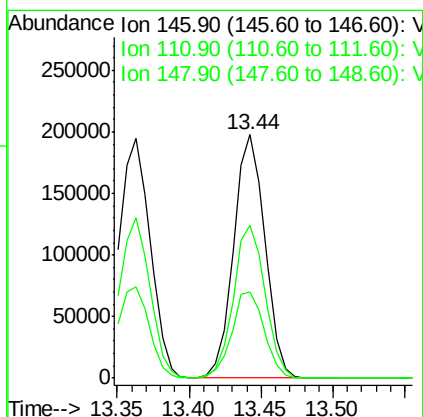
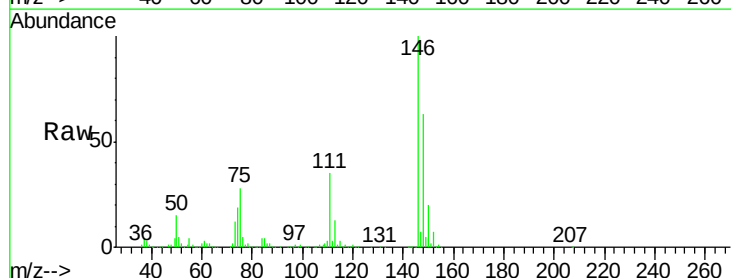
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MSD

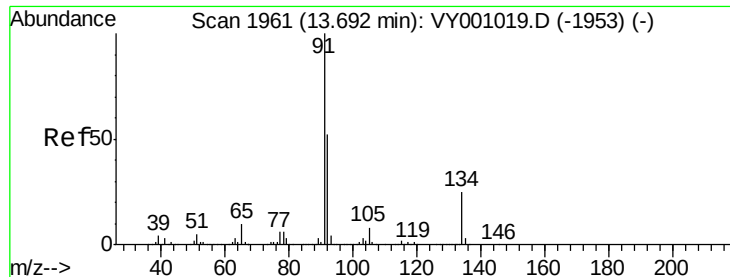
Tgt Ion:146 Resp: 295511
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.7 59.0
 148 64.5 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 49.464 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

Tgt Ion:146 Resp: 299560
 Ion Ratio Lower Upper
 146 100
 111 37.0 19.4 58.2
 148 63.3 31.8 95.3

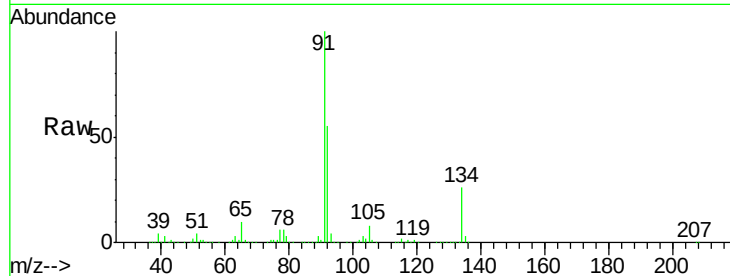




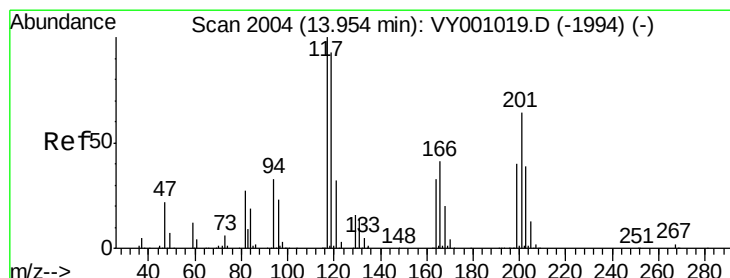
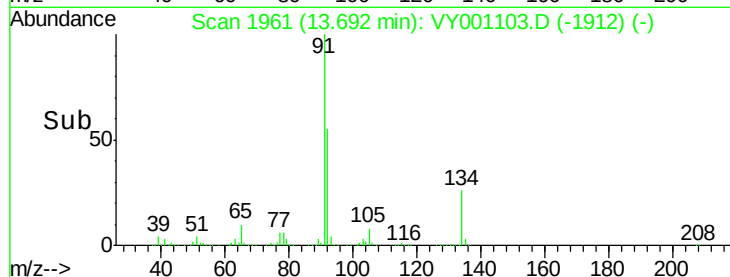
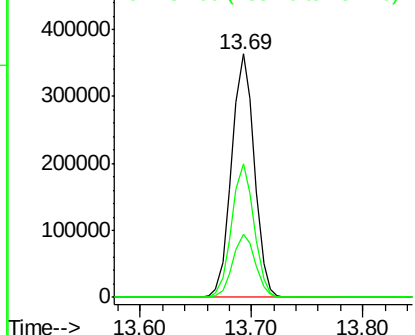
#89
n-Butylbenzene
Concen: 41.798 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

Tgt Ion: 91 Resp: 513024
Ion Ratio Lower Upper
91 100
92 54.2 26.9 80.7
134 25.7 12.7 38.0

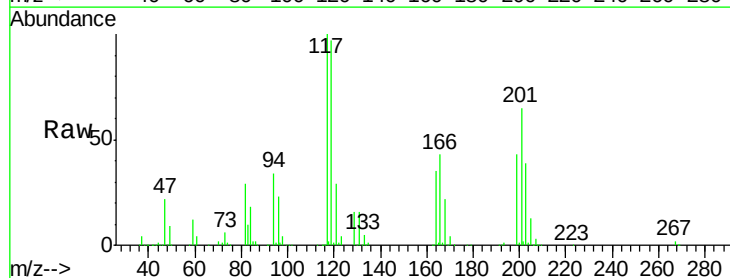


Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 92.00 (91.70 to 92.70): VY0
Ion 134.00 (133.70 to 134.70): V

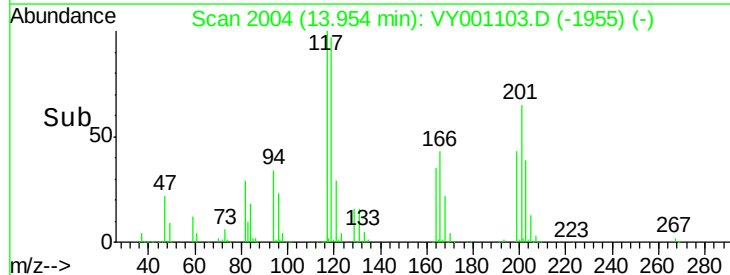
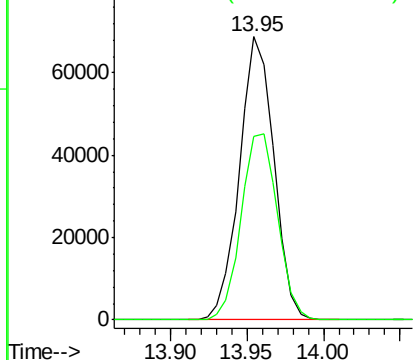


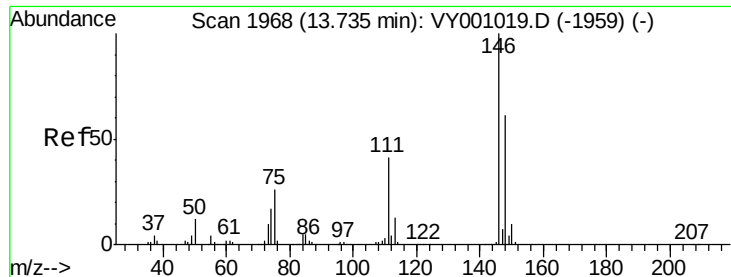
#90
Hexachloroethane
Concen: 46.829 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion: 117 Resp: 107630
Ion Ratio Lower Upper
117 100
201 69.5 33.7 101.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

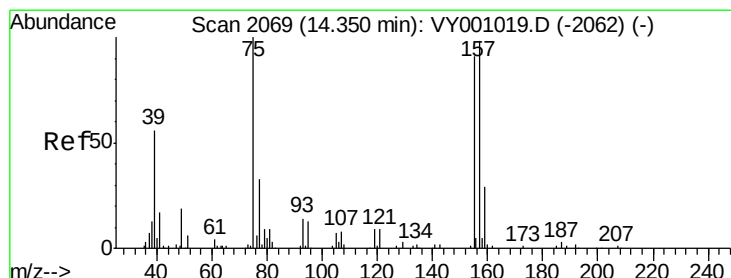
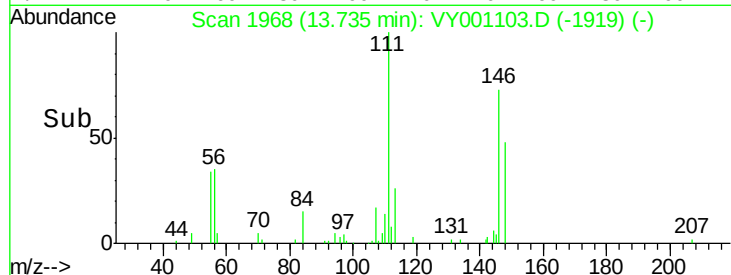
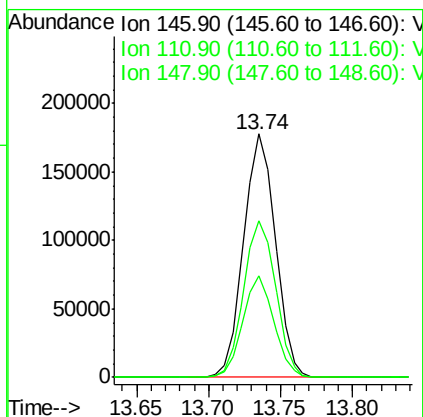
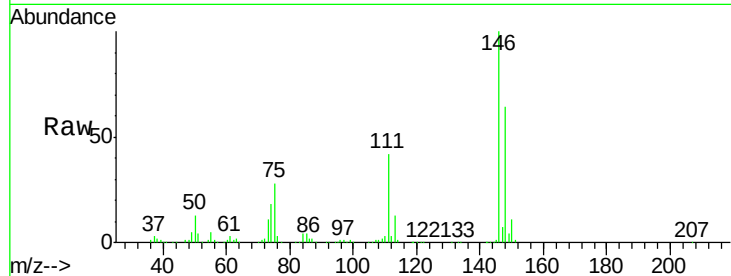




#91
 1,2-Dichlorobenzene
 Concen: 49.187 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

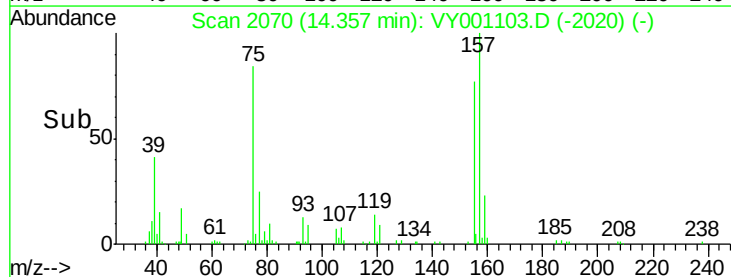
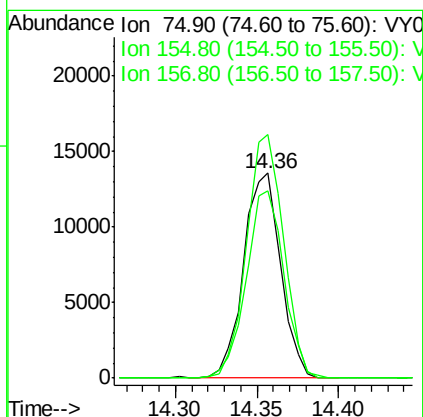
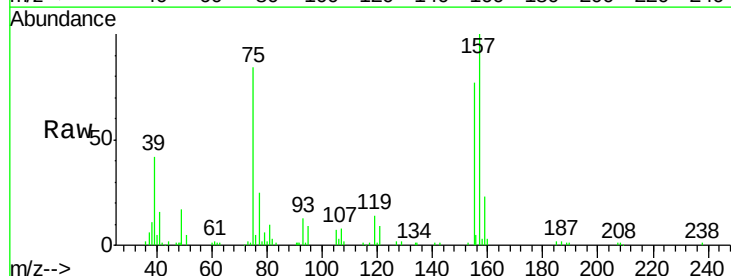
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MSD

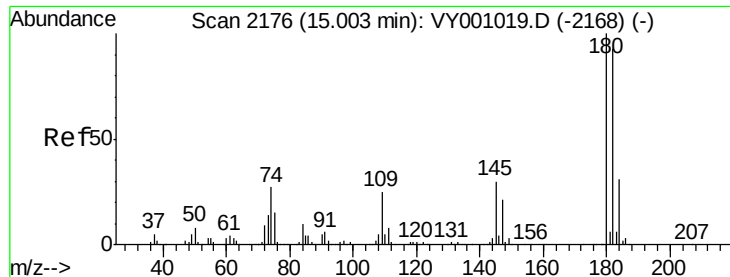
Tgt Ion: 146 Resp: 272394
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.6 61.9
 148 64.7 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.971 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

Tgt Ion: 75 Resp: 21517
 Ion Ratio Lower Upper
 75 100
 155 92.6 46.3 138.9
 157 118.5 58.1 174.4

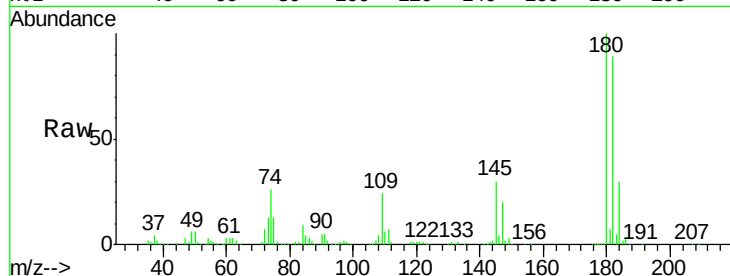




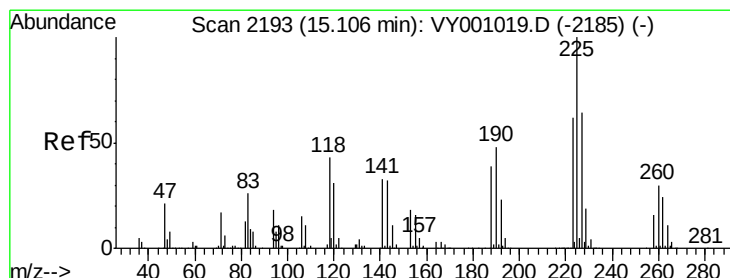
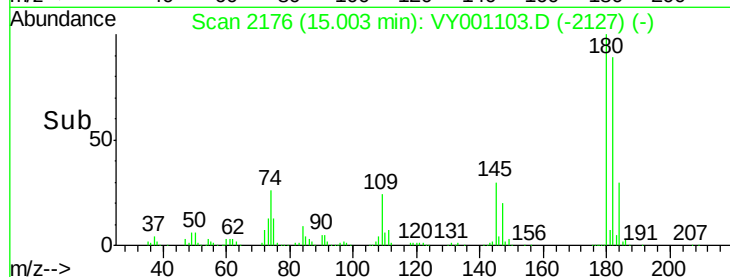
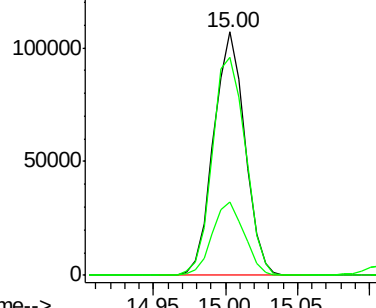
#93
 1,2,4-Trichlorobenzene
 Concen: 43.003 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MSD

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.8	140.3
145	30.8	15.3	45.9

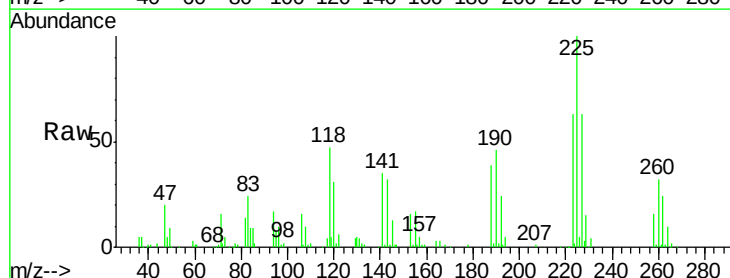


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

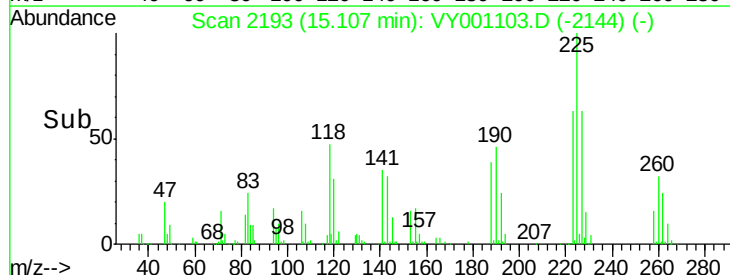
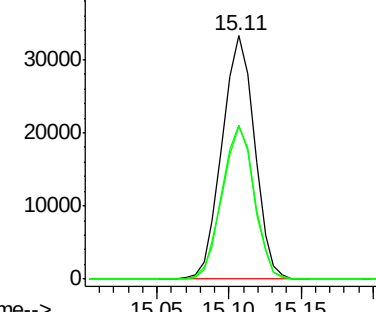


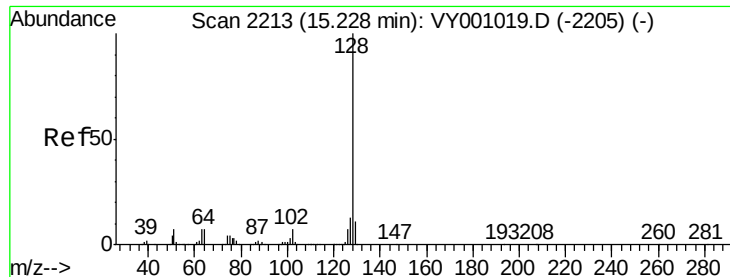
#94
 Hexachlorobutadiene
 Concen: 29.238 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001103.D
 Acq: 27 Dec 2019 17:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.6	94.8
227	61.9	31.9	95.5



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

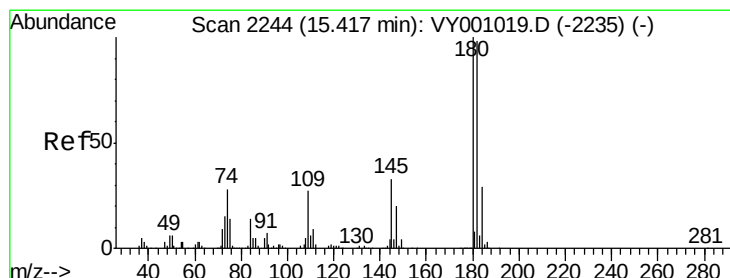
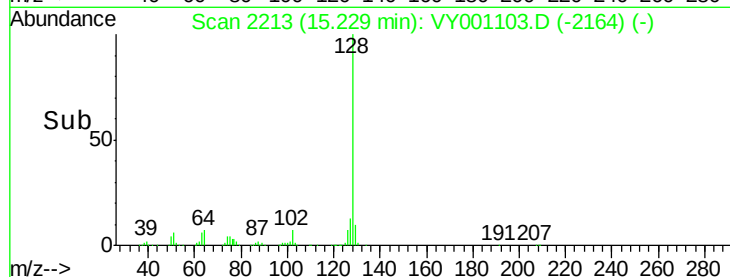
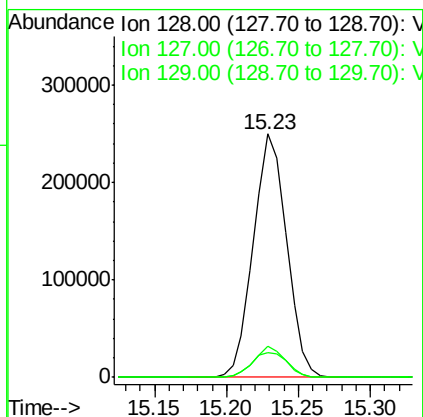
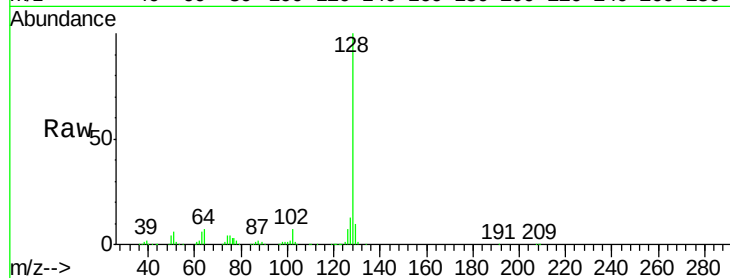




#95
Naphthalene
Concen: 45.386 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01MSD

Tgt Ion:128 Resp: 398972
Ion Ratio Lower Upper
128 100
127 12.0 9.9 14.9
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 41.992 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001103.D
Acq: 27 Dec 2019 17:11

Tgt Ion:180 Resp: 139980
Ion Ratio Lower Upper
180 100
182 96.5 47.9 143.8
145 33.3 16.3 48.9

