

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120320\
 Data File : VY003654.D
 Acq On : 03 Dec 2020 19:25
 Operator : SY/MD
 Sample : L4485-07
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

Quant Time: Dec 04 00:26:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 00:25:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	222984	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	213523	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	106411	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	53093	18.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.92%
7) Chloroethane-d5	2.77	69	45088	19.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.80%
11) 1,1-Dichloroethene-d2	3.86	63	88540	15.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.08%
21) 2-Butanone-d5	6.90	46	60234	48.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.32%
24) Chloroform-d	7.49	84	122553	21.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.68%
26) 1,2-Dichloroethane-d4	8.15	65	68930	22.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	8.12	84	256727	21.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.64%
36) 1,2-Dichloropropane-d6	9.12	67	78410	21.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.88%
41) Toluene-d8	10.18	98	230362	21.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	10.44	79	36998	21.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.52%
47) 2-Hexanone-d5	10.79	63	48382	48.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.98%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	68927	18.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	73.76%
66) 1,2-Dichlorobenzene-d4	13.72	152	88244	23.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	3271	1.264 ug/L	96
3) Chloromethane	2.12	50	4595	1.637 ug/L	95
5) Vinyl chloride	2.25	62	3980	1.322 ug/L #	59
6) Bromomethane	2.66	94	2481	1.316 ug/L	81
9) Trichlorofluoromethane	3.14	101	6201	1.357 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	4764	1.561 ug/L #	47
12) 1,1-Dichloroethene	3.87	96	4391	1.515 ug/L #	1
14) Carbon disulfide	4.20	76	11927	1.246 ug/L	100
15) Methyl Acetate	4.49	43	3397	1.574 ug/L	96
16) Methylene chloride	4.73	84	14827	3.939 ug/L	95
17) trans-1,2-Dichloroethene	5.23	96	3541	1.112 ug/L	89
18) Methyl tert-butyl Ether	5.23	73	6961	0.895 ug/L #	61
19) 1,1-Dichloroethane	6.03	63	6716	1.253 ug/L	92
20) cis-1,2-Dichloroethene	7.00	96	4483	1.343 ug/L	94
22) 2-Butanone	7.00	43	5495	3.646 ug/L	98
23) Bromochloromethane	7.34	128	2145	1.317 ug/L	83
27) 1,2-Dichloroethane	8.24	62	4759	1.347 ug/L #	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120320\
 Data File : VY003654.D
 Acq On : 03 Dec 2020 19:25
 Operator : SY/MD
 Sample : L4485-07
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

Quant Time: Dec 04 00:26:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 00:25:15 2020
 Response via : Initial Calibration

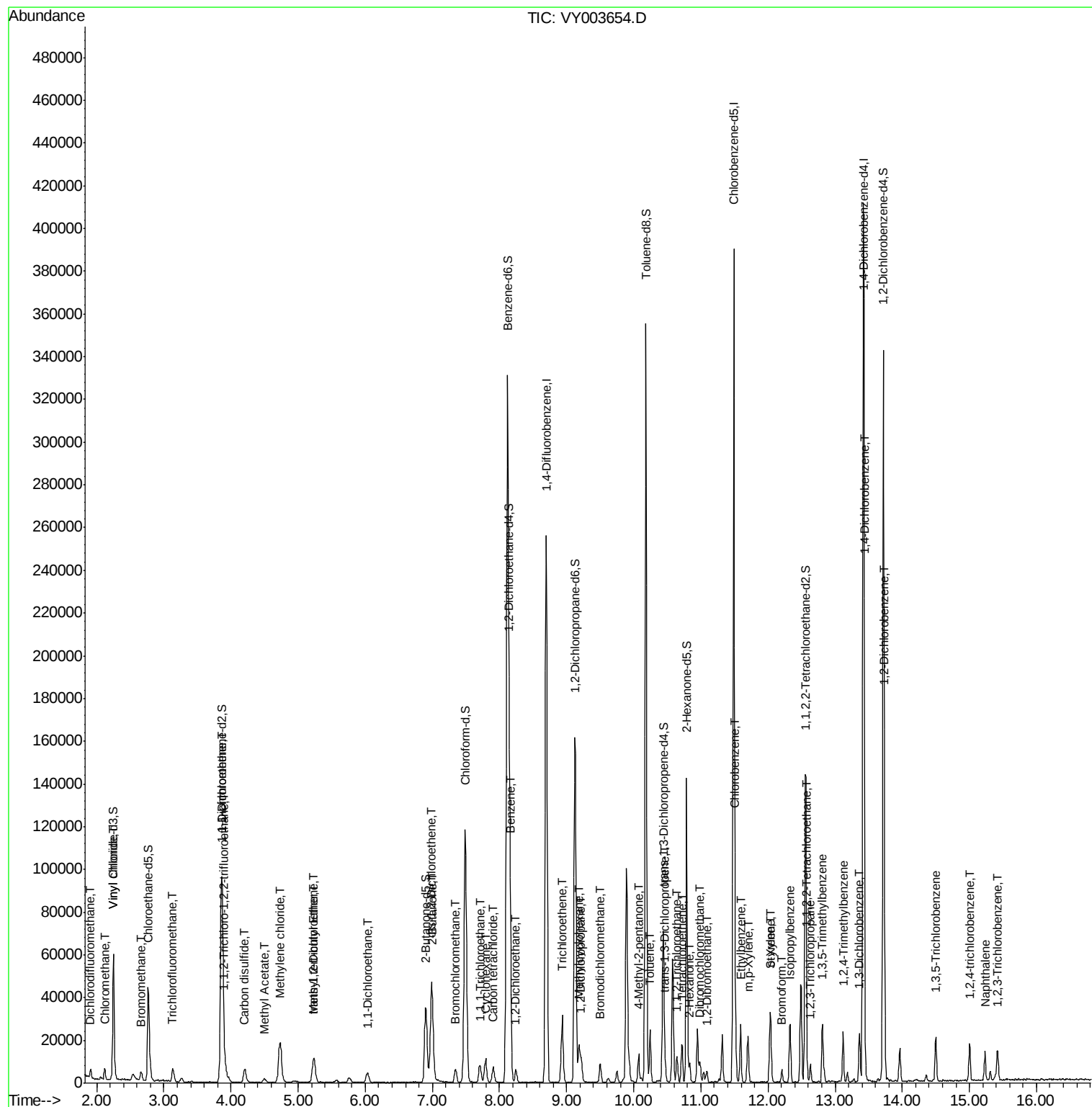
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.79	56	5445	1.074	ug/L	92
30) 1,1,1-Trichloroethane	7.71	97	6469	1.329	ug/L #	86
31) Carbon tetrachloride	7.91	117	5296	1.205	ug/L	99
33) Benzene	8.17	78	16002	1.226	ug/L	100
34) Trichloroethene	8.94	95	4638	1.424	ug/L	89
35) Methylcyclohexane	9.19	83	6285	1.128	ug/L	91
37) 1,2-Dichloropropane	9.22	63	4148	1.252	ug/L #	86
38) Bromodichloromethane	9.50	83	5220	1.252	ug/L #	98
40) 4-Methyl-2-pentanone	10.07	43	9083	3.123	ug/L	96
42) Toluene	10.25	91	17459	1.274	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	7701	1.630	ug/L	98
45) 1,1,2-Trichloroethane	10.64	97	3441	1.237	ug/L	98
46) Tetrachloroethene	10.72	164	3505	1.257	ug/L	87
48) 2-Hexanone	10.83	43	4867	2.292	ug/L #	94
49) Dibromochloromethane	10.99	129	3950	1.229	ug/L	100
50) 1,2-Dibromoethane	11.09	107	3375	1.254	ug/L #	92
51) Chlorobenzene	11.51	112	11443	1.296	ug/L	96
52) Ethylbenzene	11.59	91	17570	1.198	ug/L	98
53) m,p-Xylene	11.70	106	7051	1.229	ug/L	90
54) o-Xylene	12.03	106	6286	1.160	ug/L	100
55) Styrene	12.04	104	10037	1.083	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.58	83	3757	1.019	ug/L	87
59) Bromoform	12.21	173	2595	1.242	ug/L #	93
60) Isopropylbenzene	12.33	105	15783	1.160	ug/L	98
61) 1,2,3-Trichloropropane	12.63	75	3274	1.287	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	12092	1.121	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	12131	1.138	ug/L	98
64) 1,3-Dichlorobenzene	13.36	146	9044	1.374	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	9277	1.387	ug/L	98
67) 1,2-Dichlorobenzene	13.74	146	8629	1.396	ug/L	92
69) 1,3,5-Trichlorobenzene	14.50	180	6239	1.349	ug/L	98
70) 1,2,4-trichlorobenzene	15.01	180	5176	1.314	ug/L	99
71) Naphthalene	15.23	128	10342	1.203	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	4533	1.253	ug/L	97

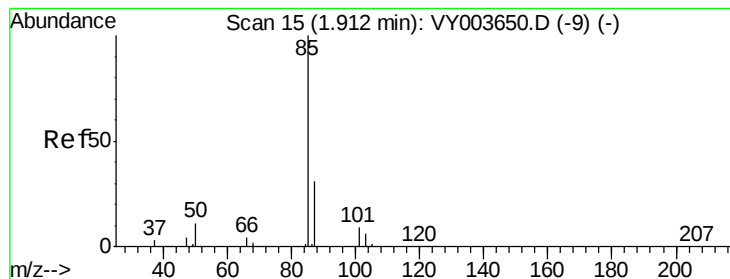
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120320\
Data File : VY003654.D
Acq On : 03 Dec 2020 19:25
Operator : SY/MD
Sample : L4485-07
Misc : 5.00G/10ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-07

Quant Time: Dec 04 00:26:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 04 00:25:15 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.264 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.01 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

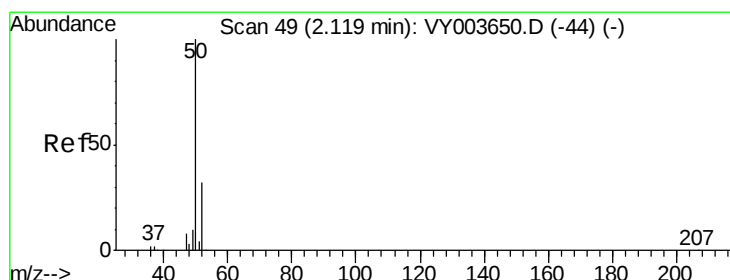
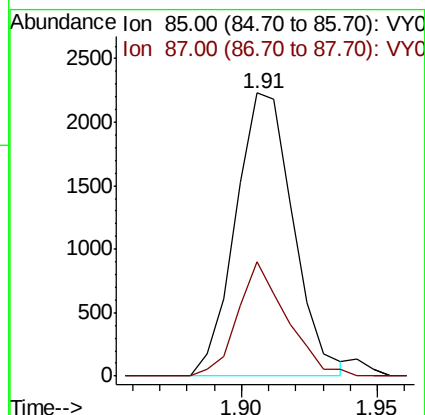
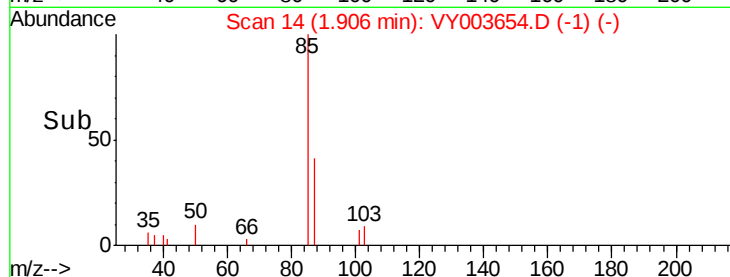
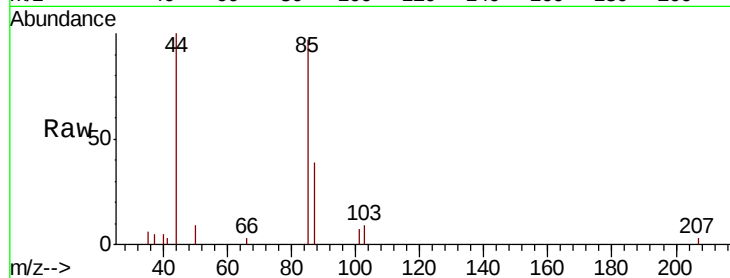
MDL-SOIL-07

Tot Ion: 85 Resp: 3271

Ion Ratio Lower Upper

85 100

87 34.3 25.4 38.2



#3

Chloromethane

Concen: 1.637 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.00 min

Lab File: VY003654.D

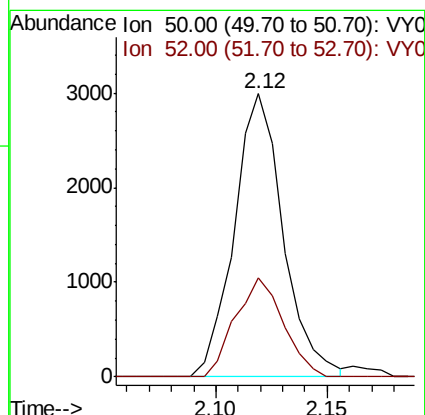
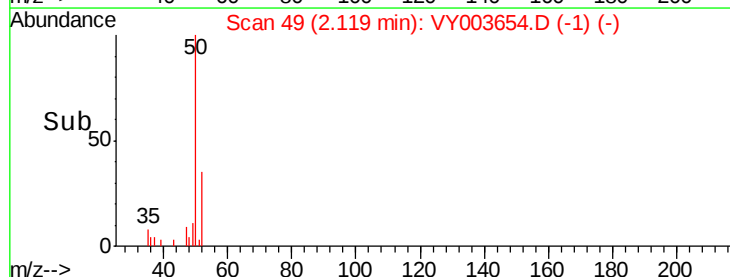
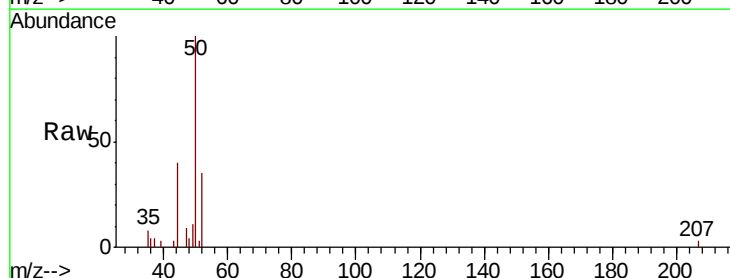
Acq: 03 Dec 2020 19:25

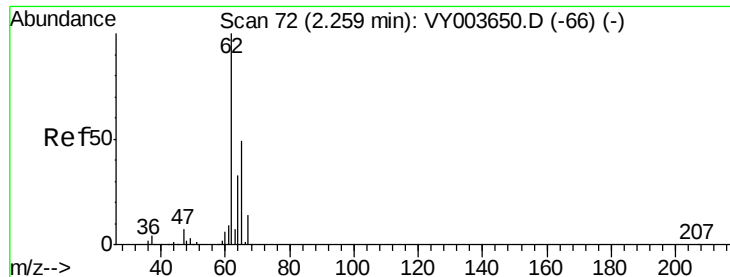
Tgt Ion: 50 Resp: 4595

Ion Ratio Lower Upper

50 100

52 35.2 22.7 42.3





#5

Vinyl chloride

Concen: 1.322 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.01 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

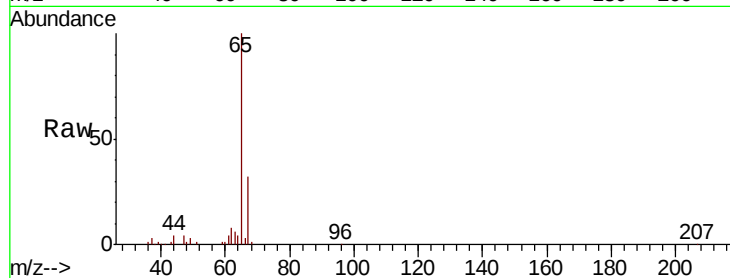
MDL-SOIL-07

Tot Ion: 62 Resp: 3980

Ion Ratio Lower Upper

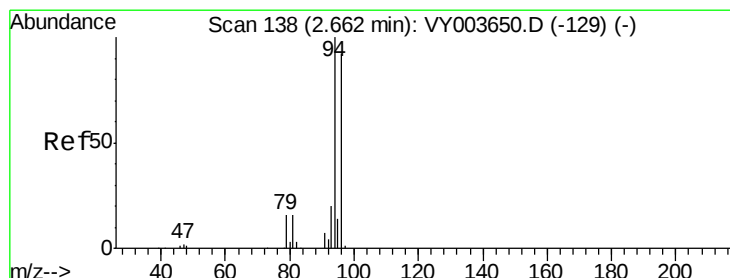
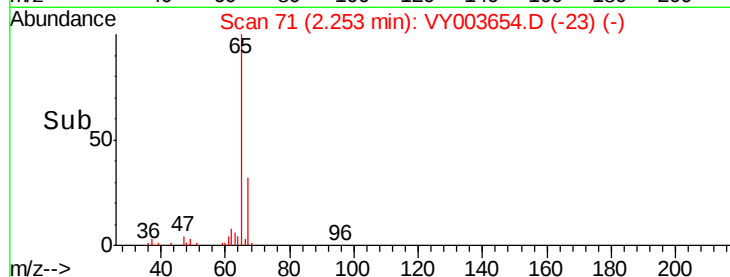
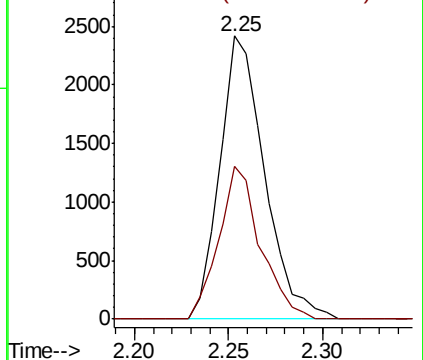
62 100

64 54.1 21.9 40.7#



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 1.316 ug/L

RT: 2.66 min Scan# 138

Delta R.T. 0.00 min

Lab File: VY003654.D

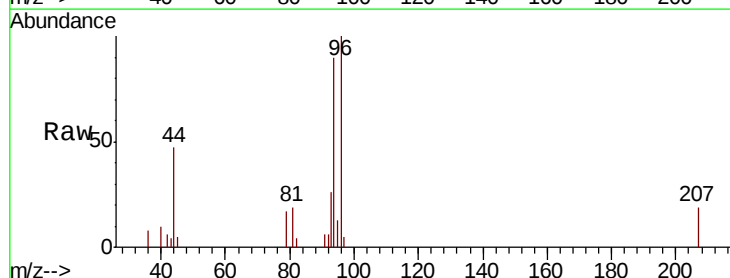
Acq: 03 Dec 2020 19:25

Tgt Ion: 94 Resp: 2481

Ion Ratio Lower Upper

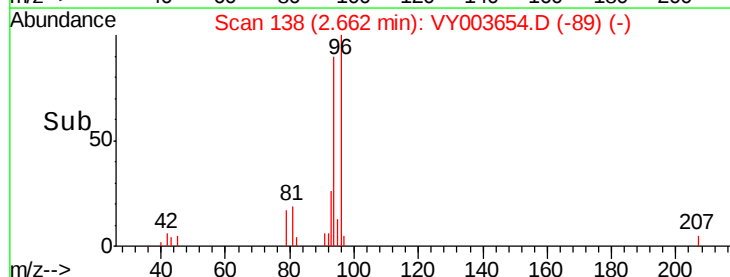
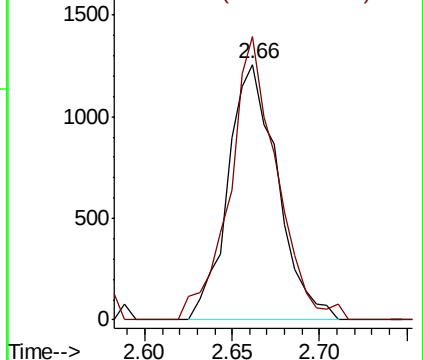
94 100

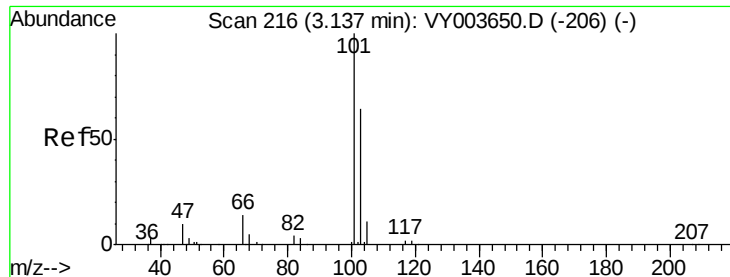
96 110.9 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0



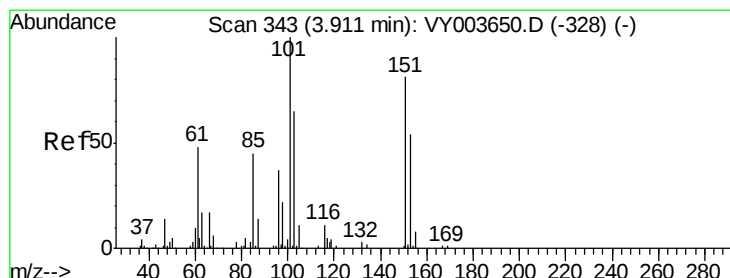
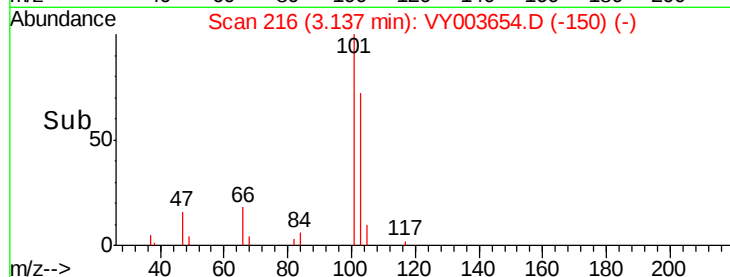
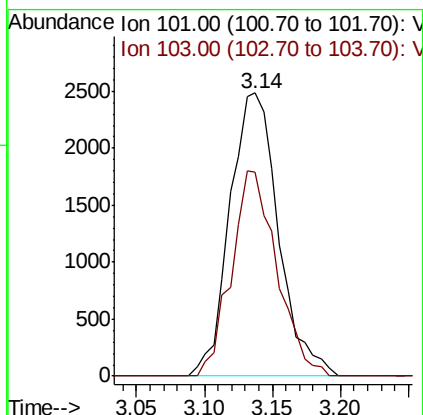
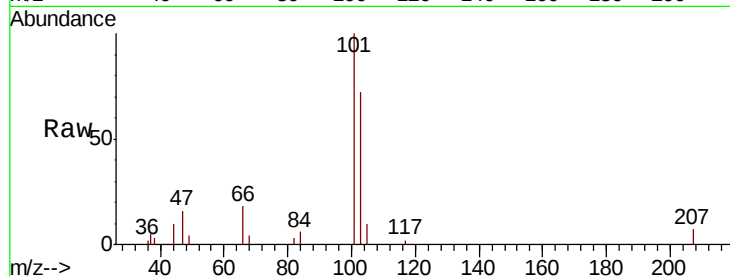


#9

Trichlorofluoromethane
Concen: 1.357 ug/L
RT: 3.14 min Scan# 216
Delta R.T. 0.00 min
Lab File: VY003654.D
Acq: 03 Dec 2020 19:25

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-07

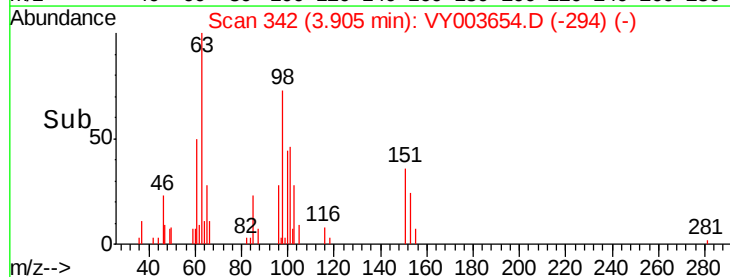
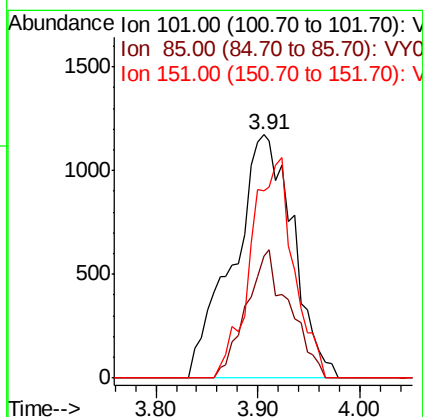
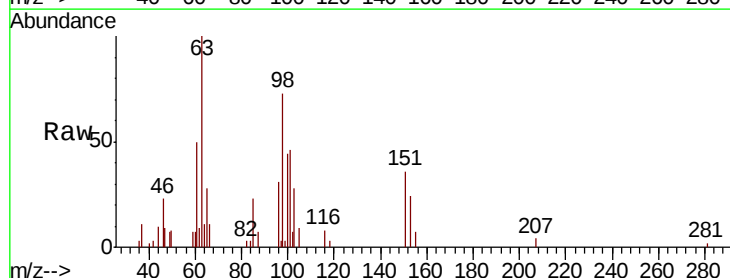
Tot Ion:101 Resp: 6201
Ion Ratio Lower Upper
101 100
103 67.9 51.9 77.9

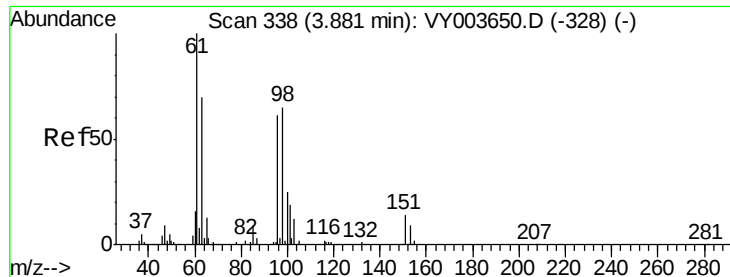


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.561 ug/L
RT: 3.91 min Scan# 342
Delta R.T. -0.01 min
Lab File: VY003654.D
Acq: 03 Dec 2020 19:25

Tgt Ion:101 Resp: 4764
Ion Ratio Lower Upper
101 100
85 25.5 35.6 53.4#
151 21.2 64.2 96.2#





#12

1,1-Dichloroethene

Concen: 1.515 ug/L

RT: 3.87 min Scan# 337

Delta R.T. -0.01 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-07

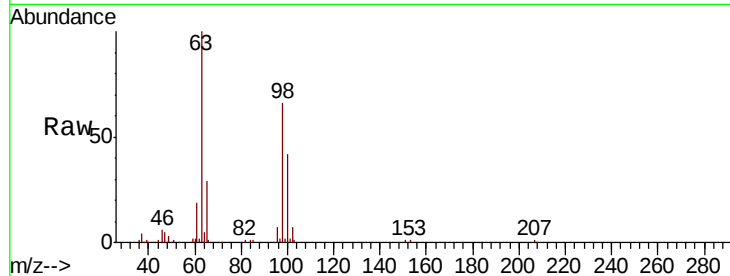
Tot Ion: 96 Resp: 4391

Ion Ratio Lower Upper

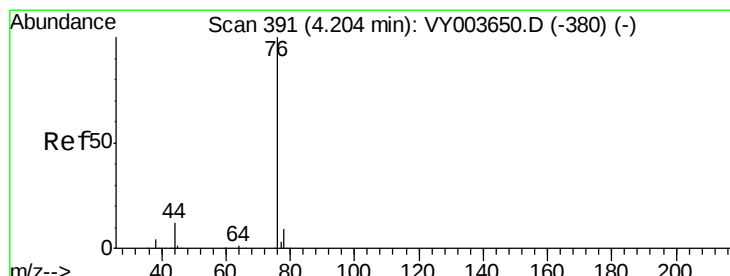
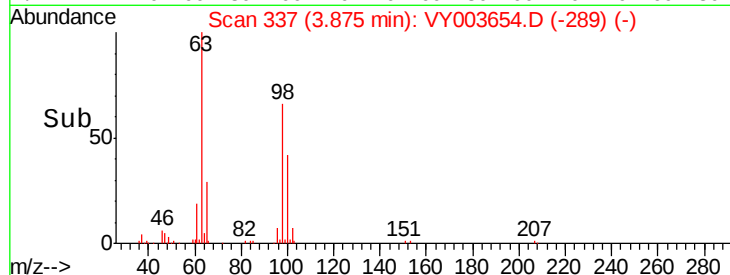
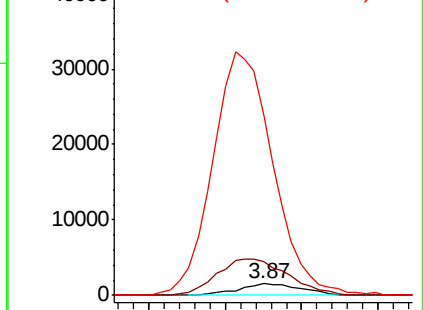
96 100

61 291.4 106.1 197.1#

63 1537.2 62.9 116.9#



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 63.00 (62.70 to 63.70): VY0



#14

Carbon disulfide

Concen: 1.246 ug/L

RT: 4.20 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY003654.D

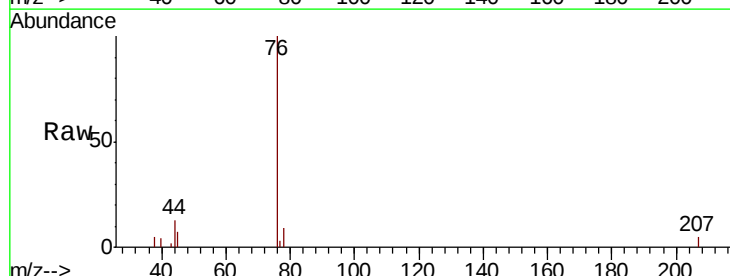
Acq: 03 Dec 2020 19:25

Tgt Ion: 76 Resp: 11927

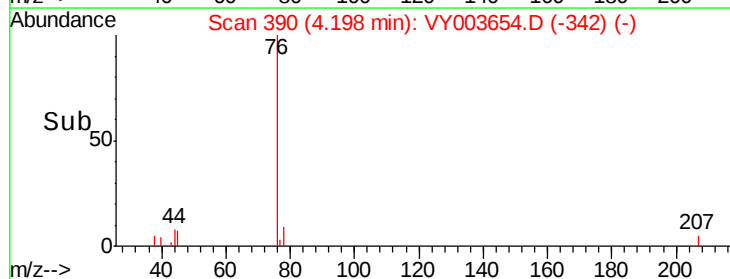
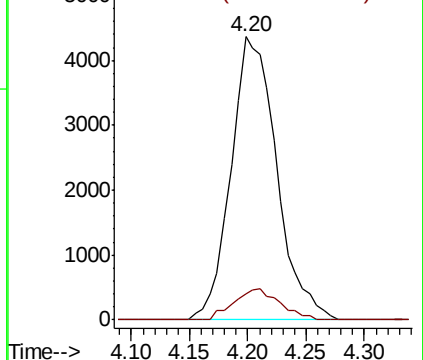
Ion Ratio Lower Upper

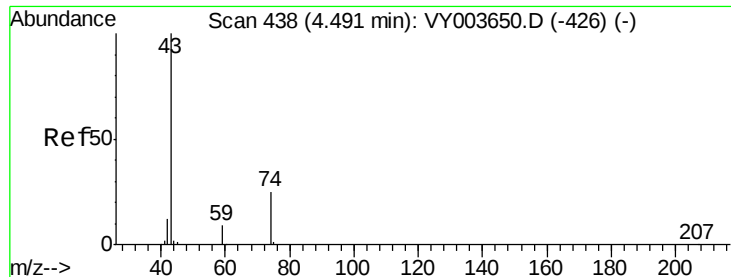
76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY0
Ion 78.00 (77.70 to 78.70): VY0





#15

Methyl Acetate

Concen: 1.574 ug/L

RT: 4.49 min Scan# 438

Delta R.T. 0.00 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

Instrument :

MSVOA_Y

ClientSampled :

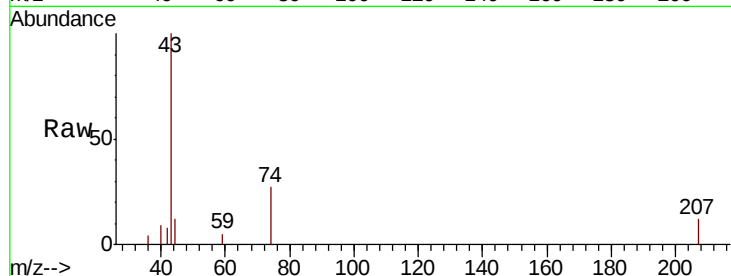
MDL-SOIL-07

Tot Ion: 43 Resp: 3397

Ion Ratio Lower Upper

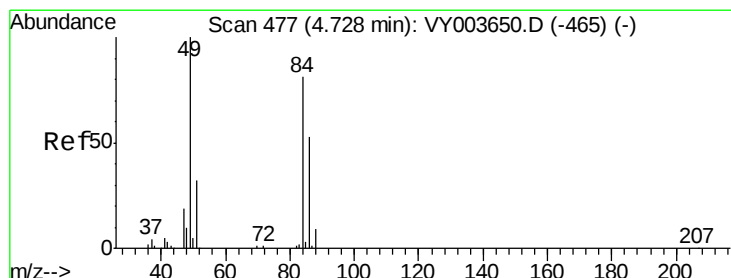
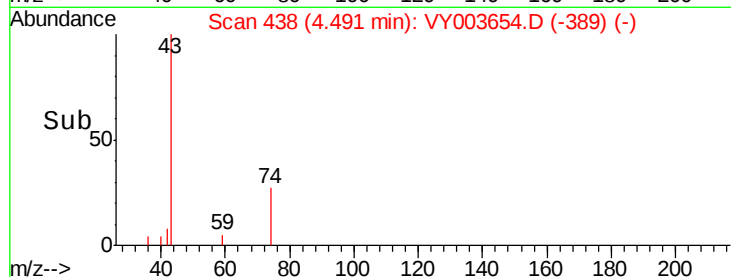
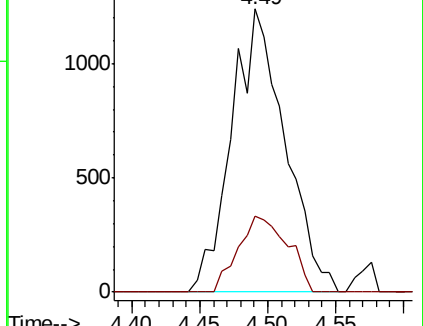
43 100

74 24.7 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VY003650.D (-426) (-)

Ion 74.00 (73.70 to 74.70): VY003650.D (-426) (-)



#16

Methylene chloride

Concen: 3.939 ug/L

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

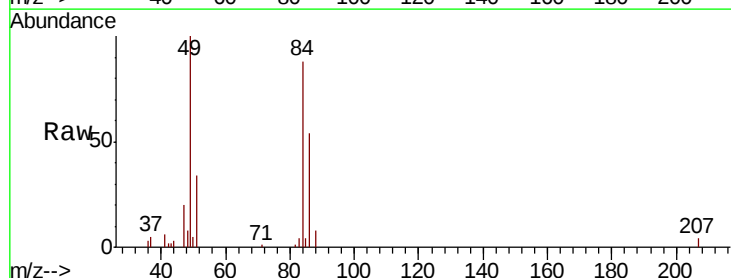
Tgt Ion: 84 Resp: 14827

Ion Ratio Lower Upper

84 100

86 61.3 43.3 80.3

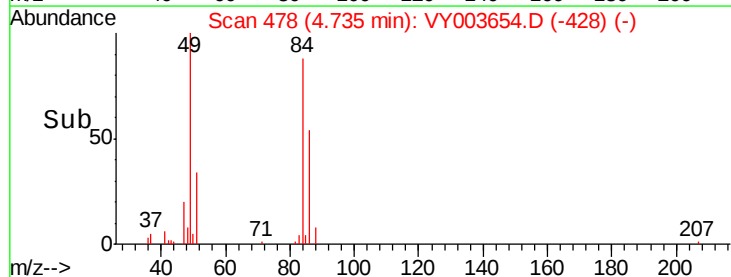
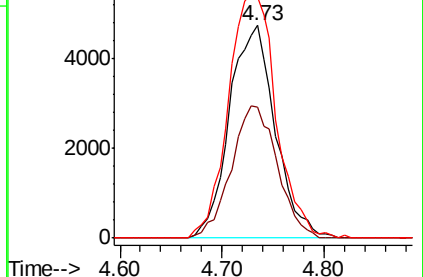
49 113.1 85.3 158.5

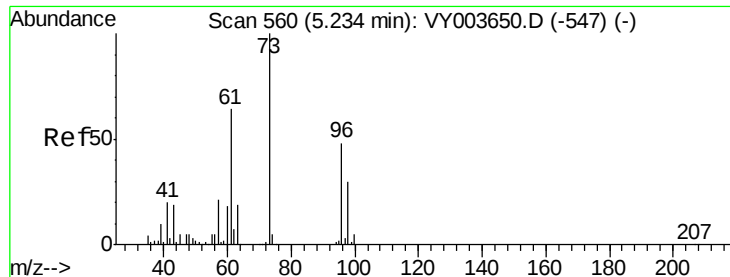


Abundance Ion 84.00 (83.70 to 84.70): VY003650.D (-465) (-)

Ion 86.00 (85.70 to 86.70): VY003650.D (-465) (-)

Ion 49.00 (48.70 to 49.70): VY003650.D (-465) (-)

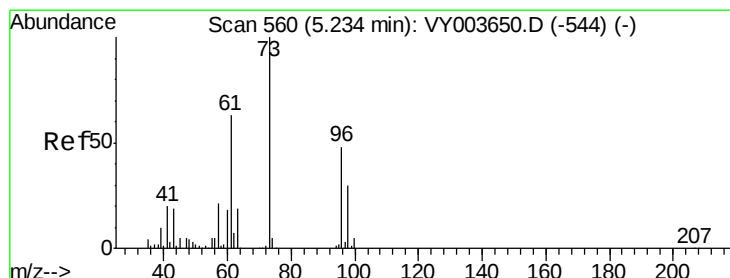
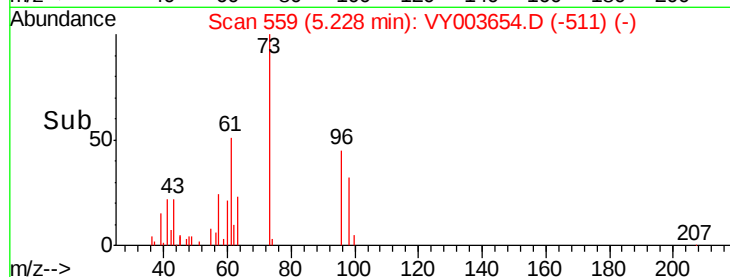
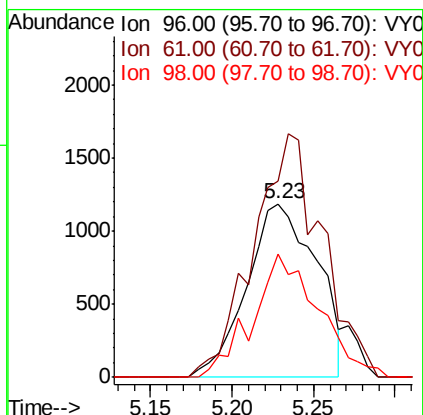
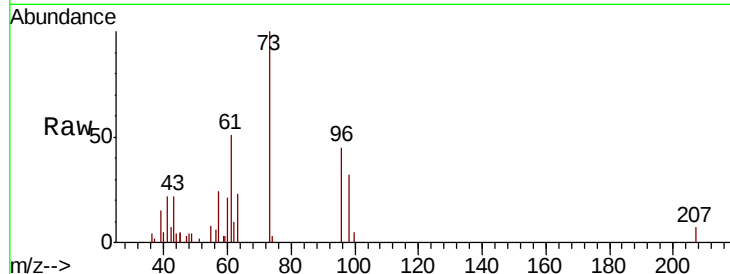




#17
trans-1,2-Dichloroethene
Concen: 1.112 ug/L
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003654.D
Acq: 03 Dec 2020 19:25

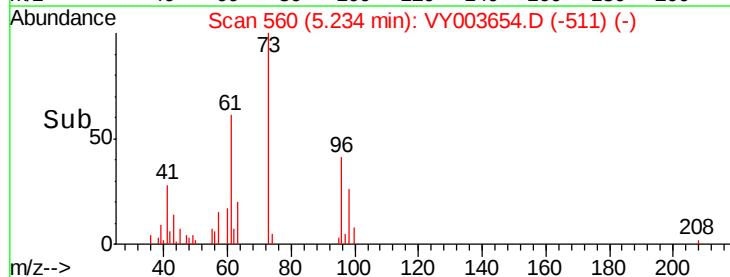
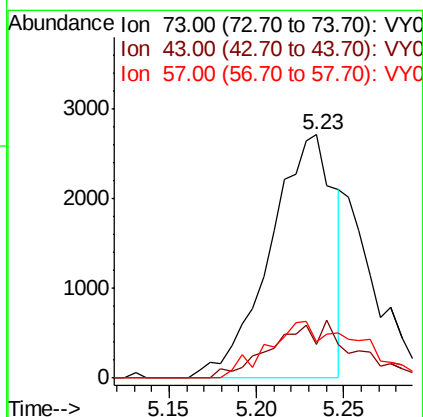
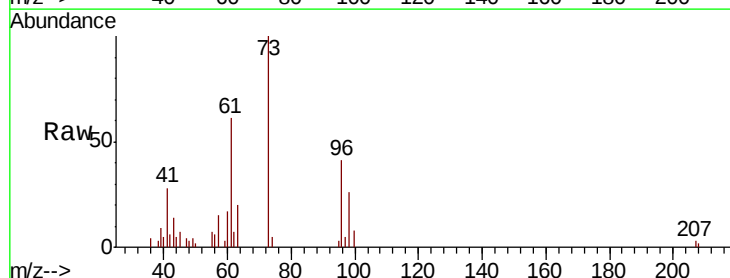
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-07

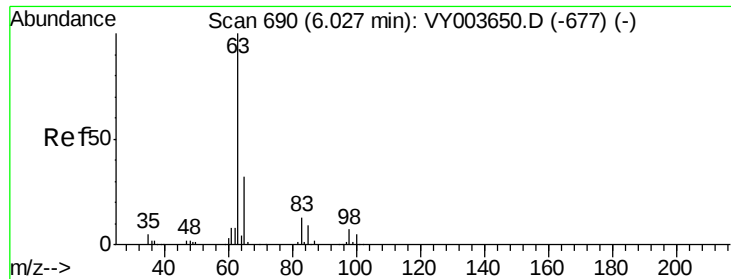
Tot Ion: 96 Resp: 3541
Ion Ratio Lower Upper
96 100
61 112.6 89.5 166.1
98 70.9 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 0.895 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.00 min
Lab File: VY003654.D
Acq: 03 Dec 2020 19:25

Tgt Ion: 73 Resp: 6961
Ion Ratio Lower Upper
73 100
43 2.9 15.2 22.8#
57 2.3 18.1 27.1#

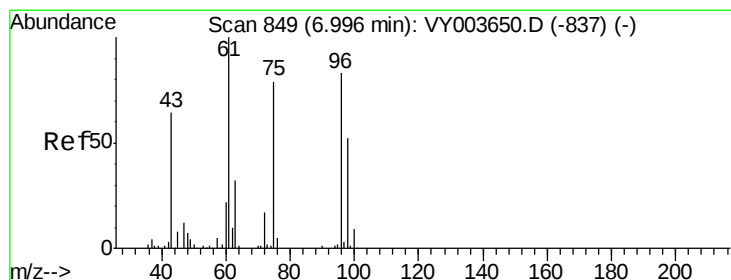
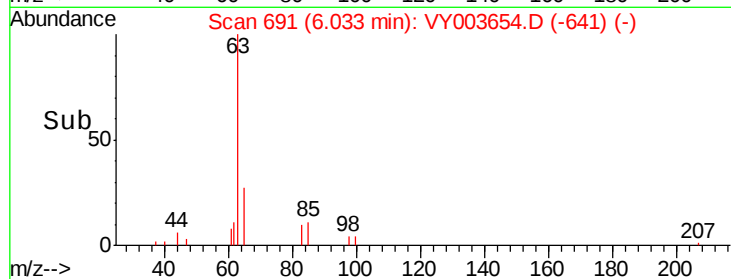
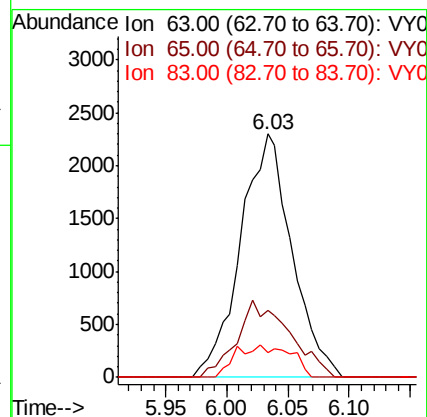
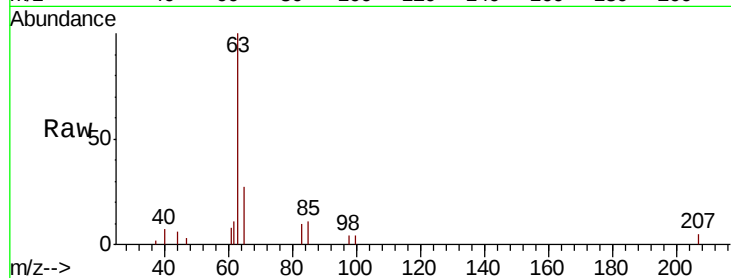




#19
 1,1-Dichloroethane
 Concen: 1.253 ug/L
 RT: 6.03 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VY003654.D
 Acq: 03 Dec 2020 19:25

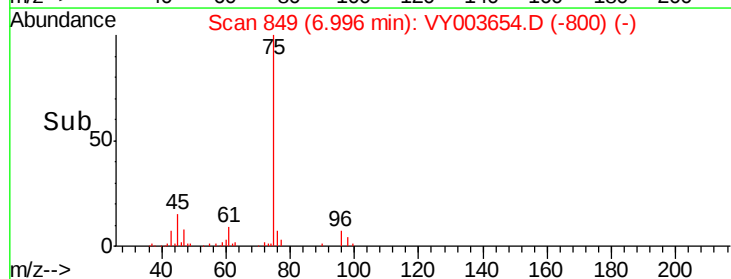
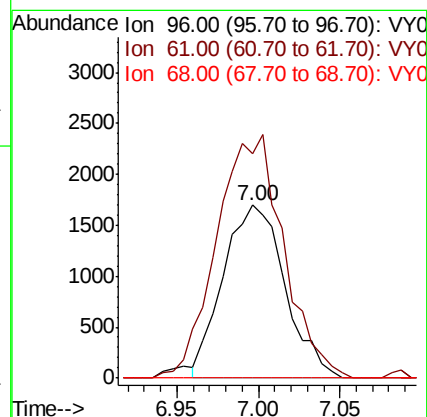
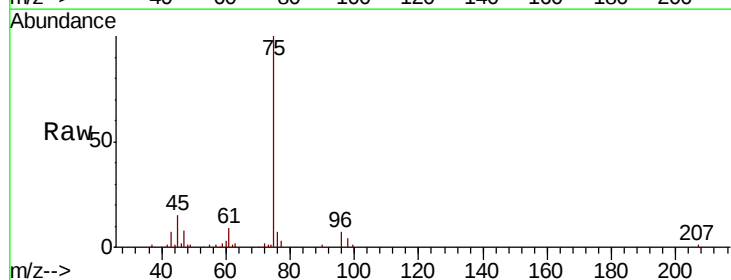
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

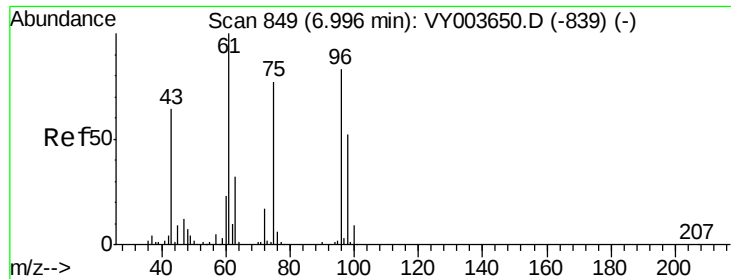
Tot Ion: 63 Resp: 6716
 Ion Ratio Lower Upper
 63 100
 65 27.3 21.9 40.7
 83 10.0 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 1.343 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003654.D
 Acq: 03 Dec 2020 19:25

Tgt Ion: 96 Resp: 4483
 Ion Ratio Lower Upper
 96 100
 61 129.8 85.8 159.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 3.646 ug/L

RT: 7.00 min Scan# 850

Delta R.T. 0.01 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

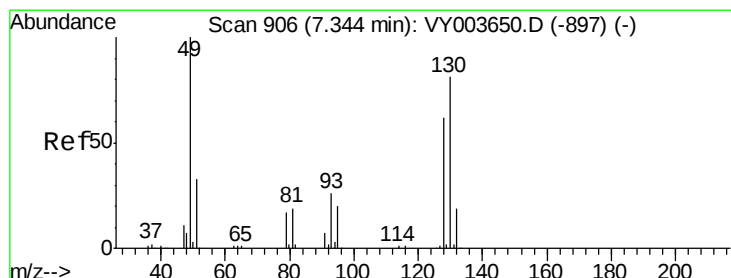
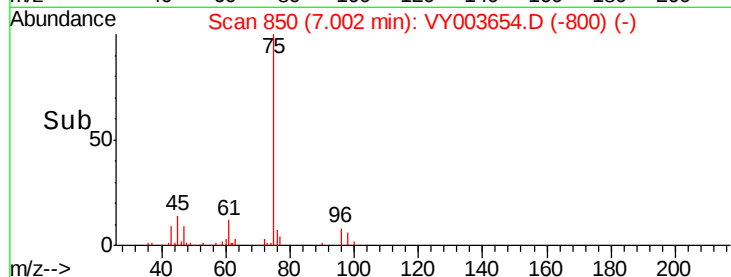
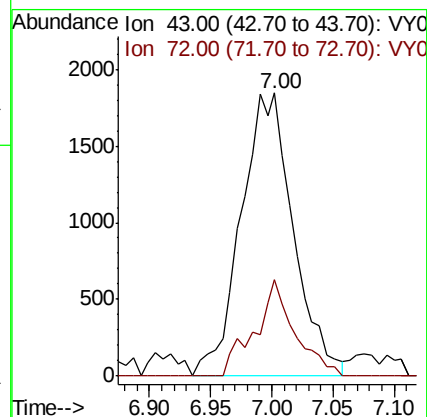
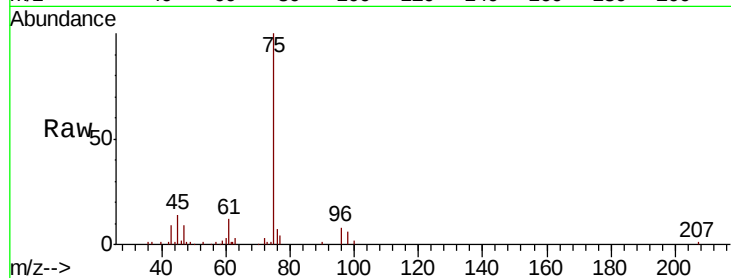
MDL-SOIL-07

Tot Ion: 43 Resp: 5495

Ion Ratio Lower Upper

43 100

72 26.1 13.5 40.5



#23

Bromochloromethane

Concen: 1.317 ug/L

RT: 7.34 min Scan# 905

Delta R.T. -0.01 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

Tgt Ion:128 Resp: 2145

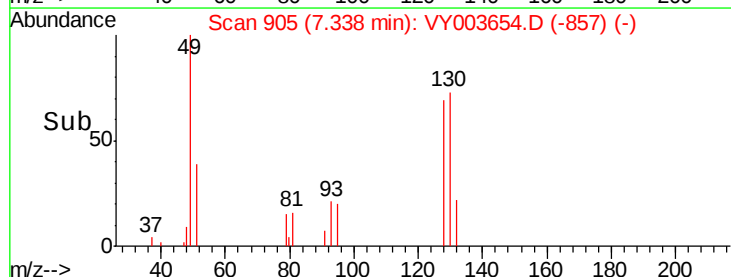
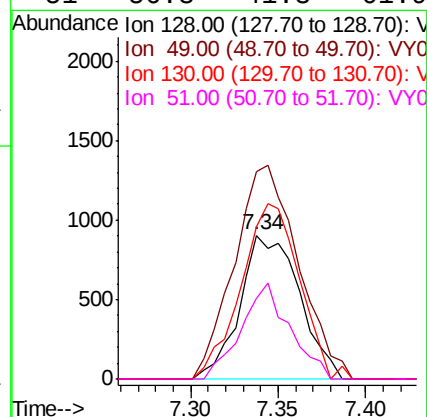
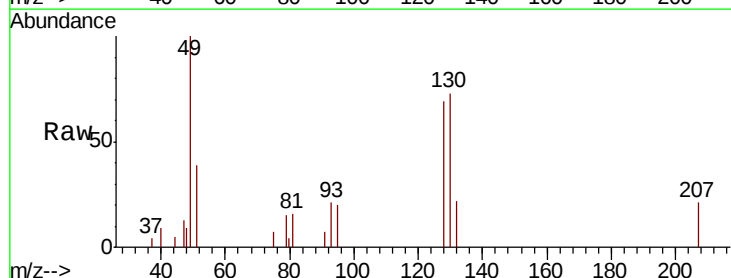
Ion Ratio Lower Upper

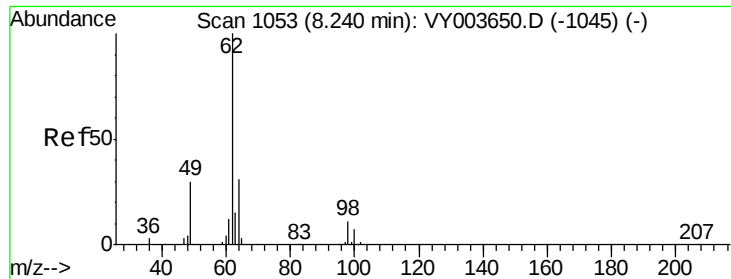
128 100

49 144.0 118.1 219.3

130 105.8 90.5 168.1

51 56.3 41.3 61.9

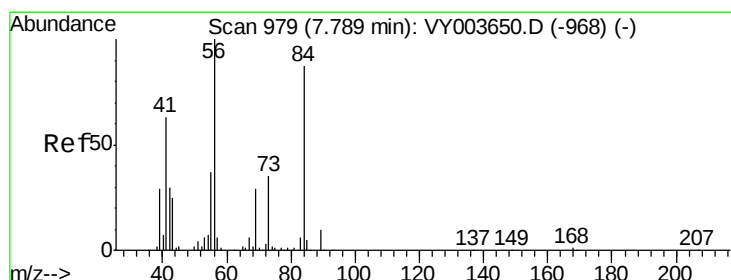
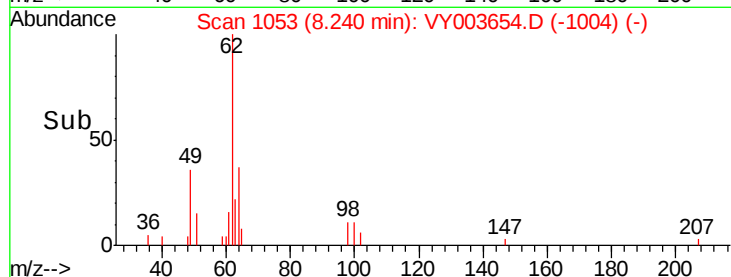
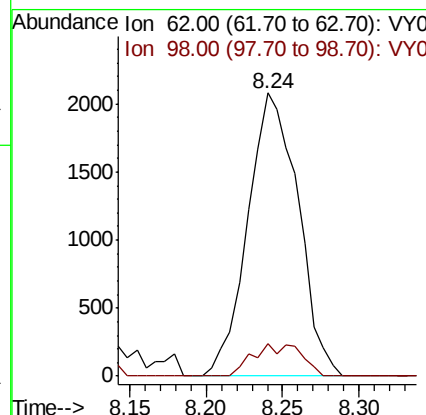
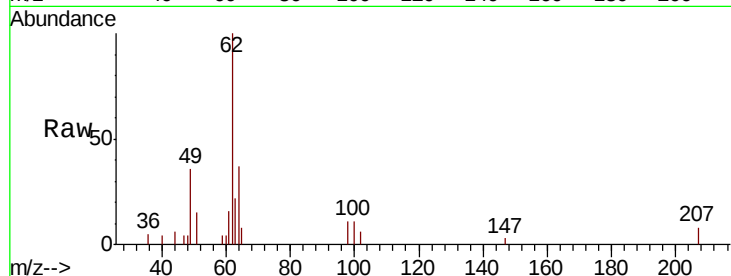




#27
 1,2-Dichloroethane
 Concen: 1.347 ug/L
 RT: 8.24 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VY003654.D
 Acq: 03 Dec 2020 19:25

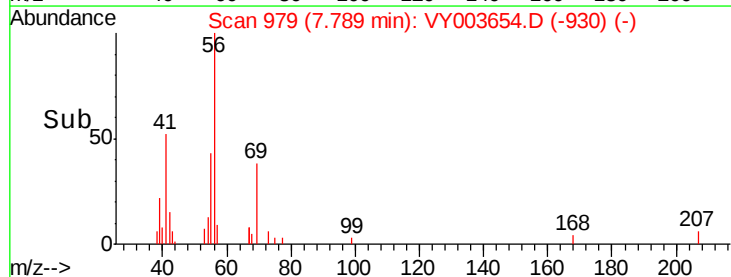
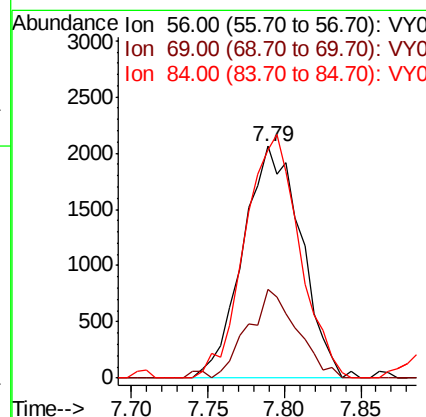
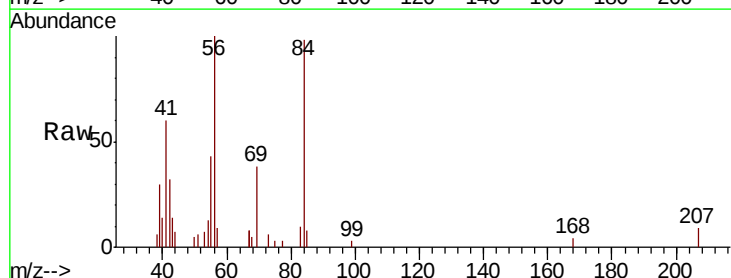
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

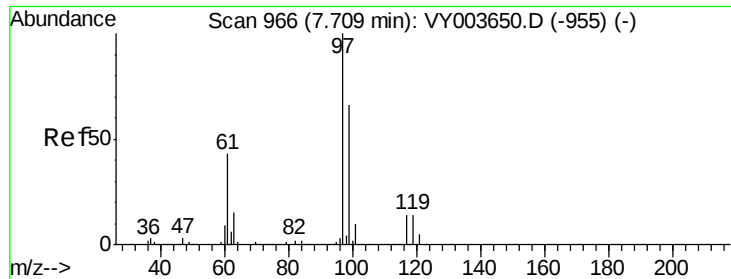
Tot Ion: 62 Resp: 4759
 Ion Ratio Lower Upper
 62 100
 98 11.3 7.5 11.3#



#29
 Cyclohexane
 Concen: 1.074 ug/L
 RT: 7.79 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: VY003654.D
 Acq: 03 Dec 2020 19:25

Tgt Ion: 56 Resp: 5445
 Ion Ratio Lower Upper
 56 100
 69 32.3 23.9 35.9
 84 99.0 71.9 107.9

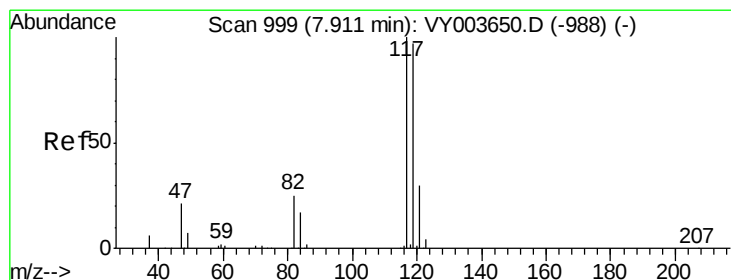
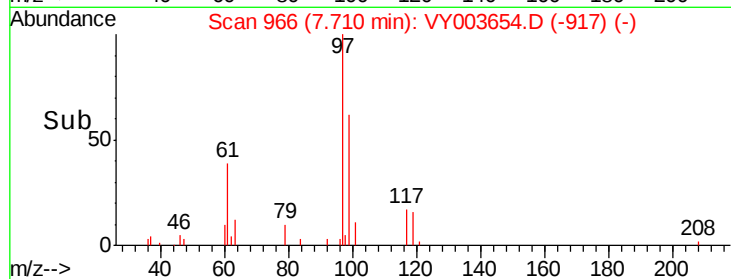
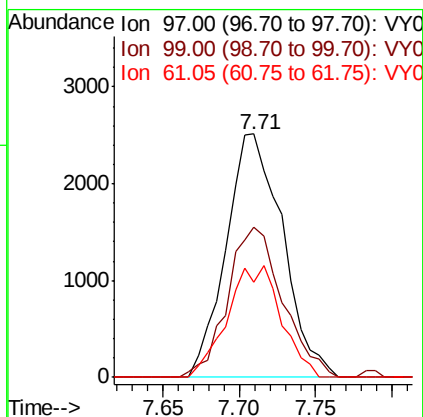
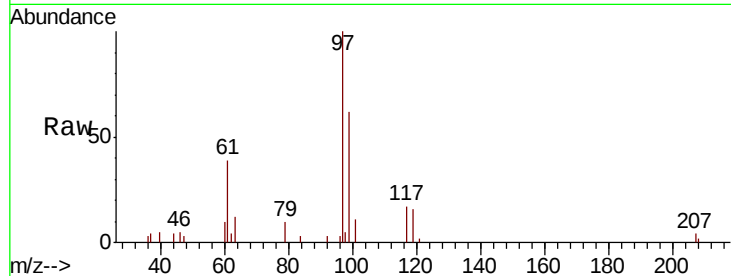




#30
 1,1,1-Trichloroethane
 Concen: 1.329 ug/L
 RT: 7.71 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VY003654.D
 Acq: 03 Dec 2020 19:25

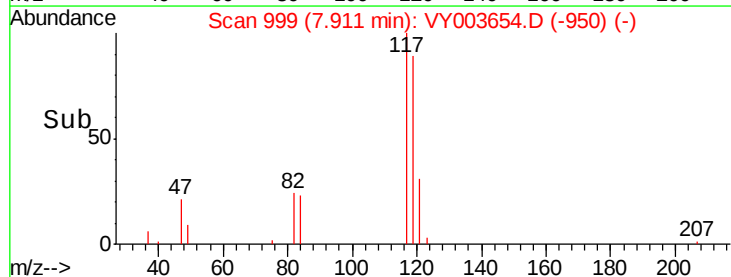
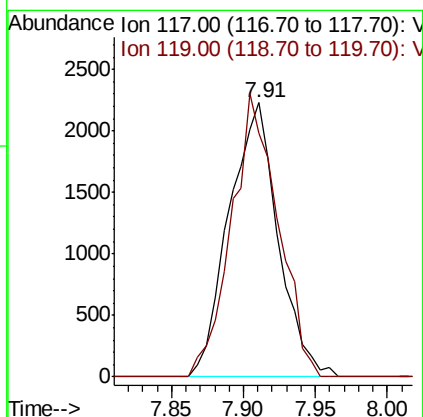
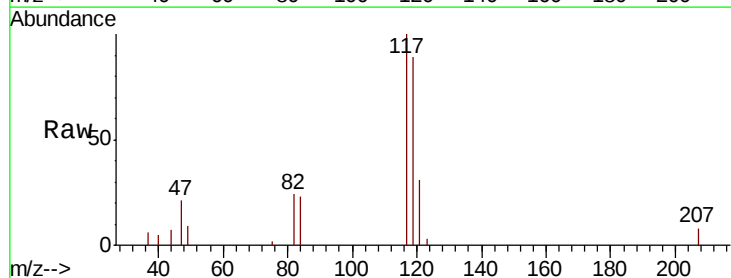
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

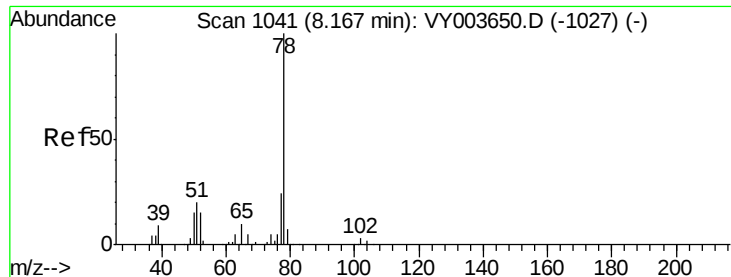
Tot Ion: 97 Resp: 6469
 Ion Ratio Lower Upper
 97 100
 99 59.9 50.6 76.0
 61 24.5 34.3 51.5#



#31
 Carbon tetrachloride
 Concen: 1.205 ug/L
 RT: 7.91 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VY003654.D
 Acq: 03 Dec 2020 19:25

Tgt Ion: 117 Resp: 5296
 Ion Ratio Lower Upper
 117 100
 119 97.8 77.7 116.5

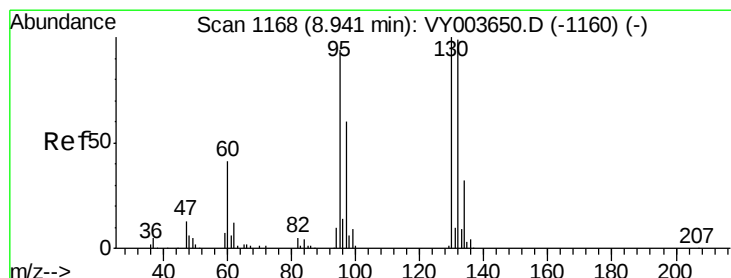
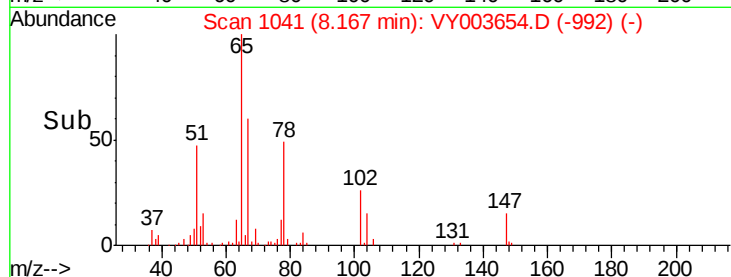
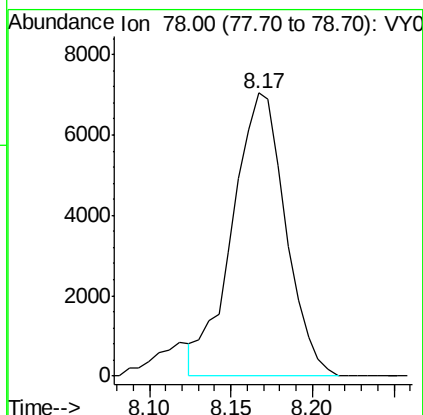
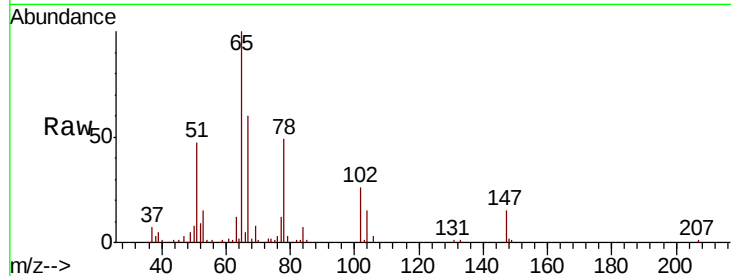




#33
Benzene
Concen: 1.226 ug/L
RT: 8.17 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VY003654.D
Acq: 03 Dec 2020 19:25

Tgt Ion: 78 Resp: 16002

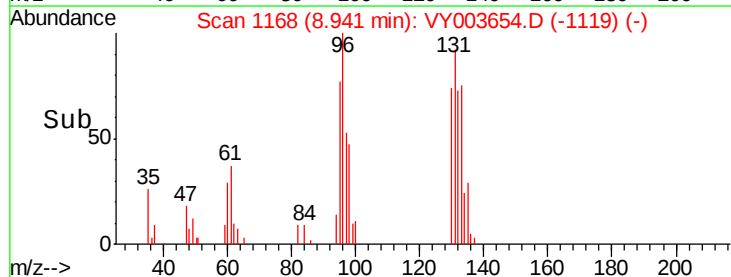
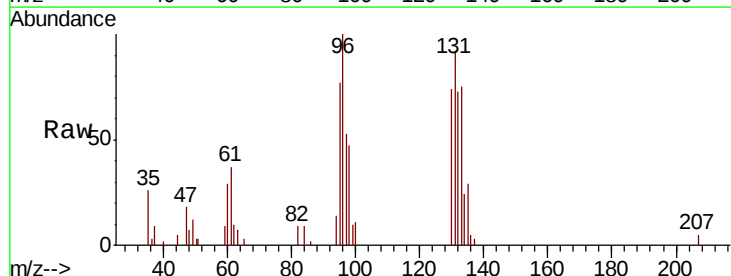
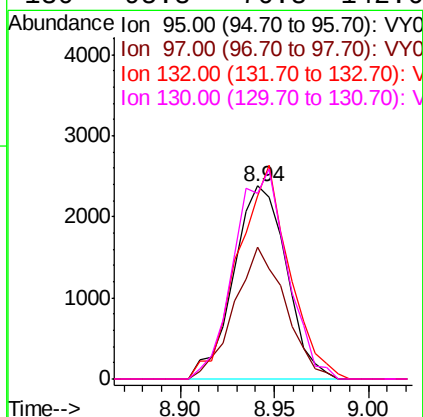
Instrument :
MSVOA_Y
ClientSampled :
MDL-SOIL-07

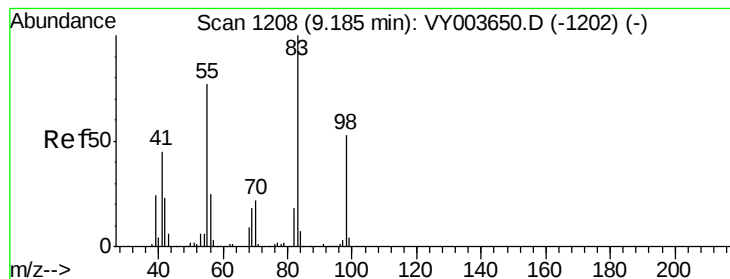


#34
Trichloroethene
Concen: 1.424 ug/L
RT: 8.94 min Scan# 1168
Delta R.T. 0.00 min
Lab File: VY003654.D
Acq: 03 Dec 2020 19:25

Tgt Ion: 95 Resp: 4638

Ion	Ratio	Lower	Upper
95	100		
97	68.3	44.7	83.1
132	94.6	74.7	138.7
130	95.8	76.8	142.6

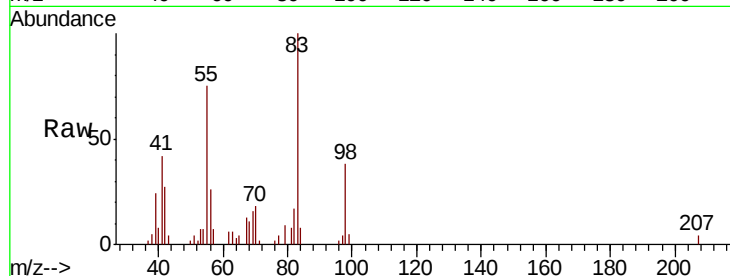




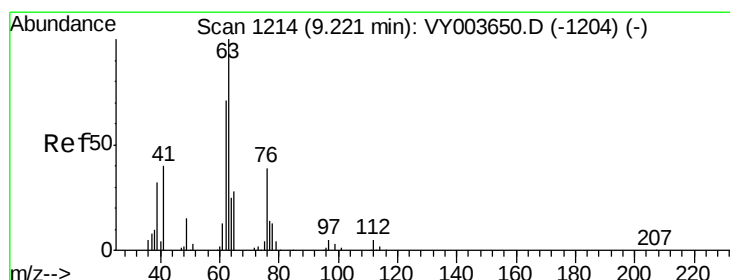
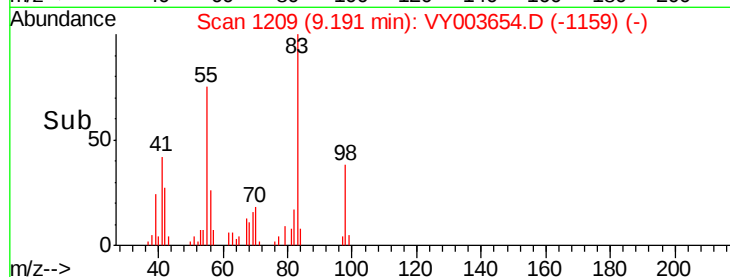
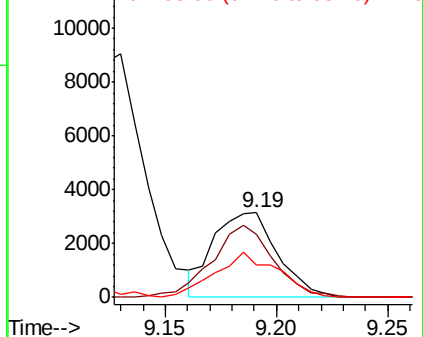
#35
Methylcyclohexane
Concen: 1.128 ug/L
RT: 9.19 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VY003654.D
Acq: 03 Dec 2020 19:25

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-07

Tot Ion: 83 Resp: 6285
Ion Ratio Lower Upper
83 100
55 82.0 58.3 87.5
98 52.5 39.0 58.6

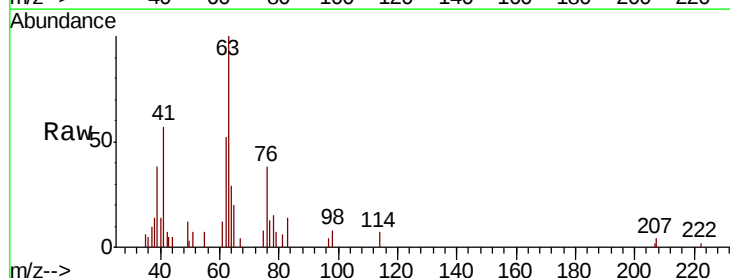


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

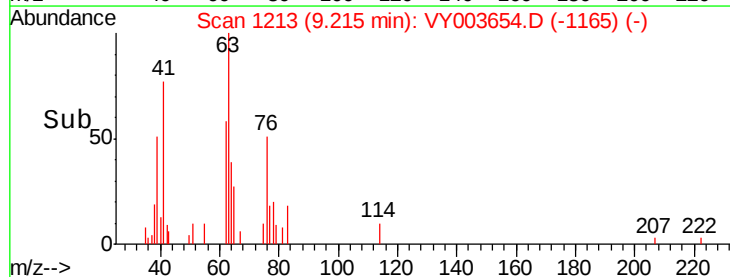
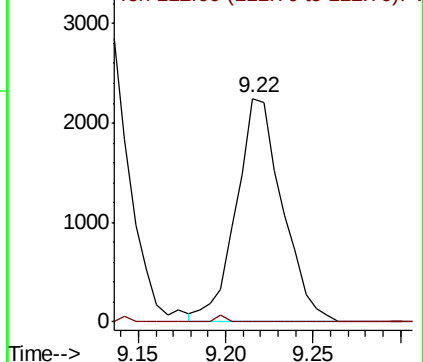


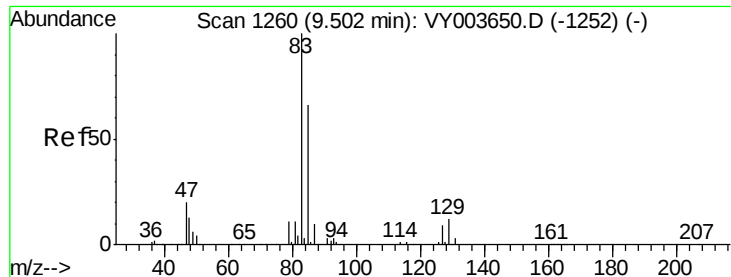
#37
1,2-Dichloropropane
Concen: 1.252 ug/L
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: VY003654.D
Acq: 03 Dec 2020 19:25

Tgt Ion: 63 Resp: 4148
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VY0
Ion 112.00 (111.70 to 112.70): V

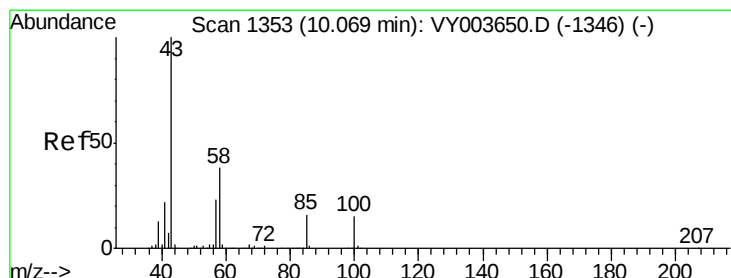
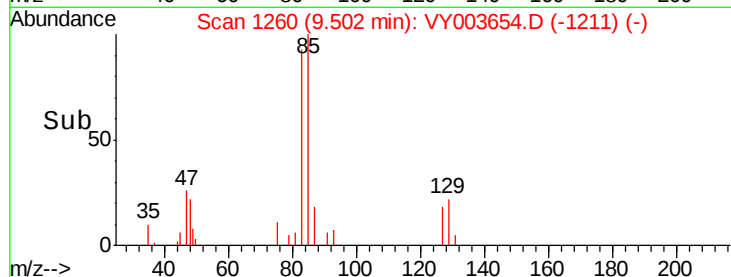
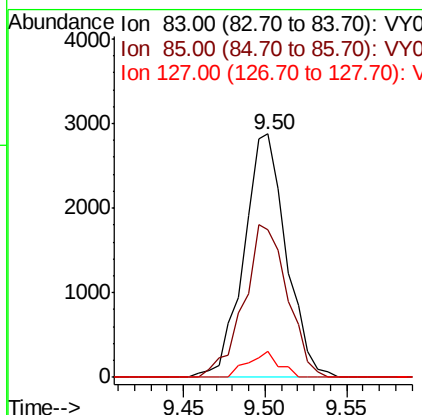
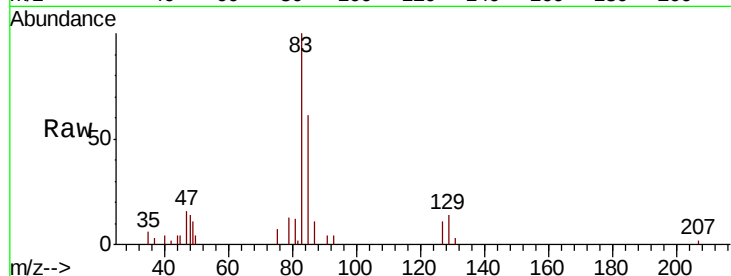




#38
 Bromodichloromethane
 Concen: 1.252 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VY003654.D
 Acq: 03 Dec 2020 19:25

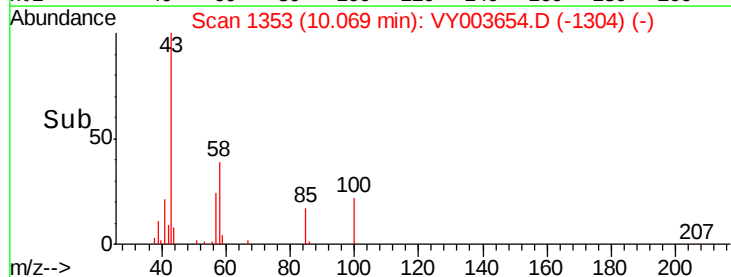
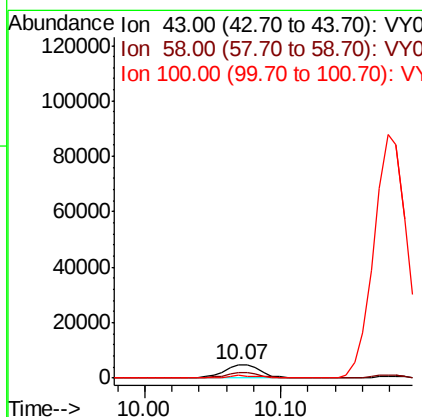
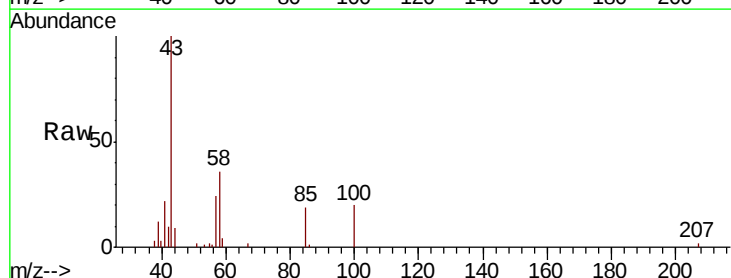
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

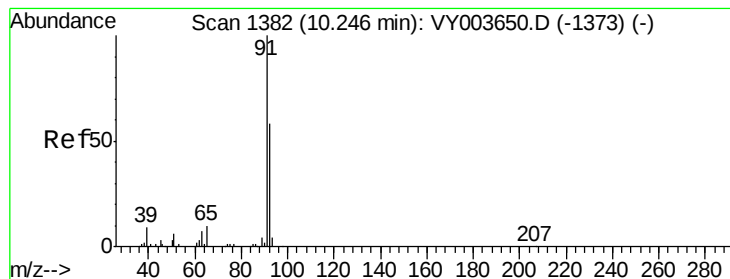
Tot Ion: 83 Resp: 5220
 Ion Ratio Lower Upper
 83 100
 85 60.6 43.1 80.1
 127 10.8 7.1 10.7#



#40
 4-Methyl-2-pentanone
 Concen: 3.123 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VY003654.D
 Acq: 03 Dec 2020 19:25

Tgt Ion: 43 Resp: 9083
 Ion Ratio Lower Upper
 43 100
 58 36.0 30.7 46.1
 100 16.9 12.1 18.1





#42

Toluene

Concen: 1.274 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

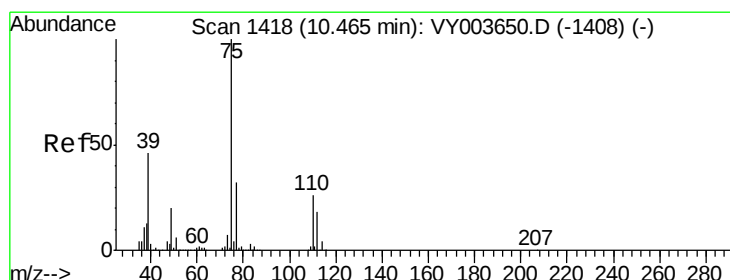
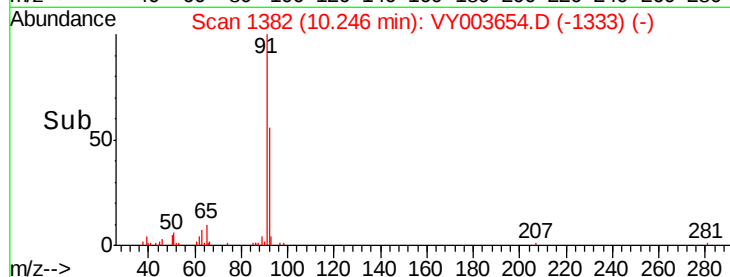
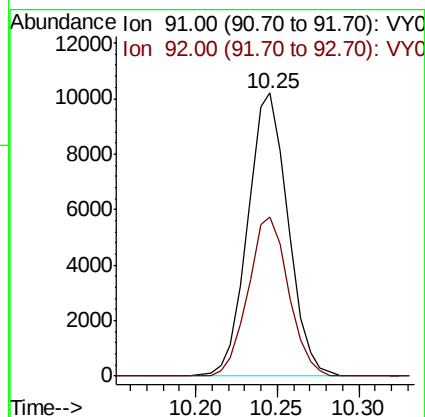
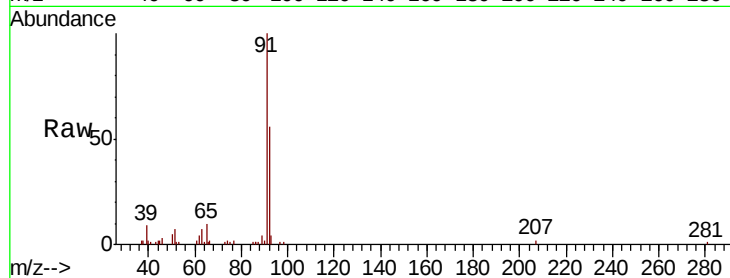
MDL-SOIL-07

Tot Ion: 91 Resp: 17459

Ion Ratio Lower Upper

91 100

92 56.4 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 1.630 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003654.D

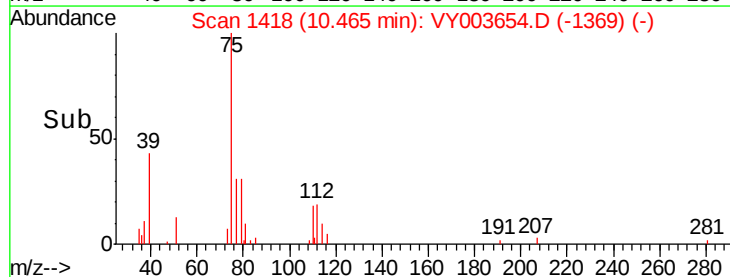
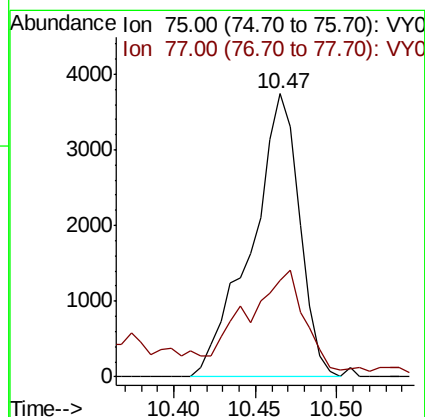
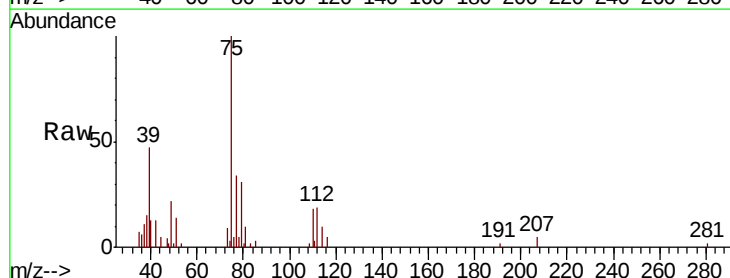
Acq: 03 Dec 2020 19:25

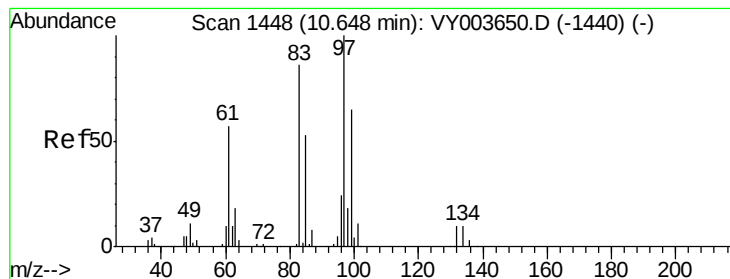
Tgt Ion: 75 Resp: 7701

Ion Ratio Lower Upper

75 100

77 33.9 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 1.237 ug/L

RT: 10.64 min Scan# 1447

Delta R.T. -0.01 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-07

Tot Ion: 97 Resp: 3441

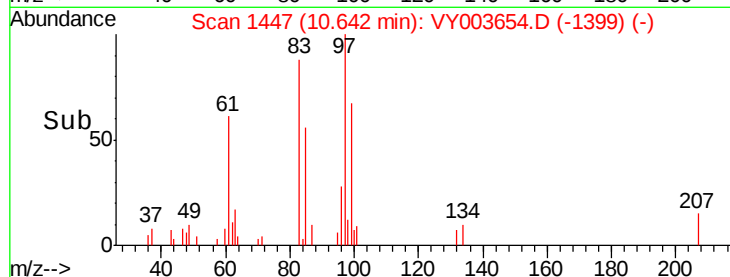
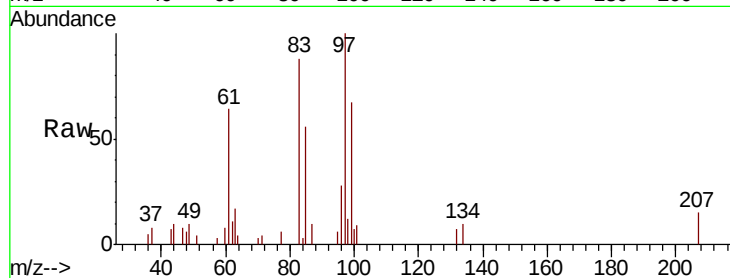
Ion	Ratio	Lower	Upper
97	100		
99	67.4	45.1	83.9
83	87.9	59.7	110.9
85	55.8	39.0	72.4

97 100

99 67.4 45.1 83.9

83 87.9 59.7 110.9

85 55.8 39.0 72.4



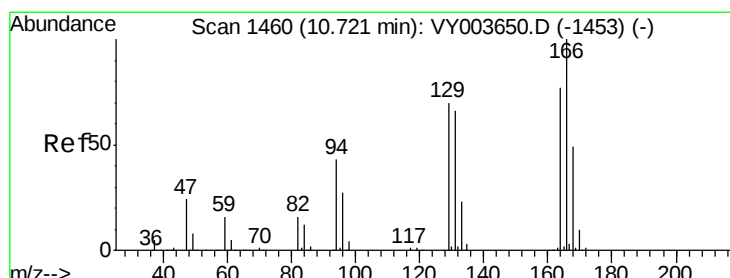
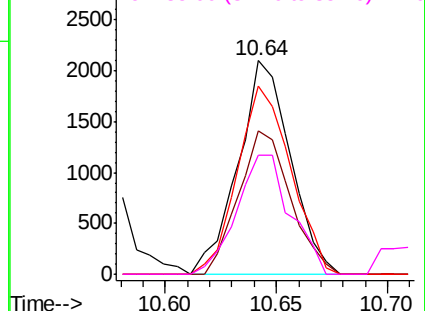
Abundance

Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#46

Tetrachloroethene

Concen: 1.257 ug/L

RT: 10.72 min Scan# 1459

Delta R.T. -0.01 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

Tgt Ion: 164 Resp: 3505

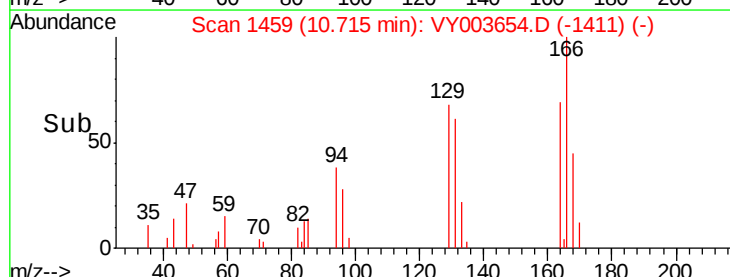
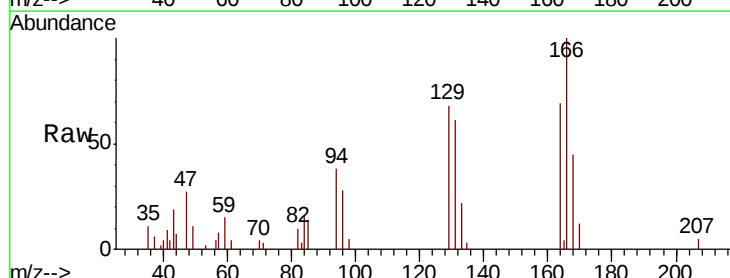
Ion	Ratio	Lower	Upper
164	100		
129	98.3	58.9	109.5
131	88.2	59.0	109.6
166	144.7	87.8	163.0

164 100

129 98.3 58.9 109.5

131 88.2 59.0 109.6

166 144.7 87.8 163.0



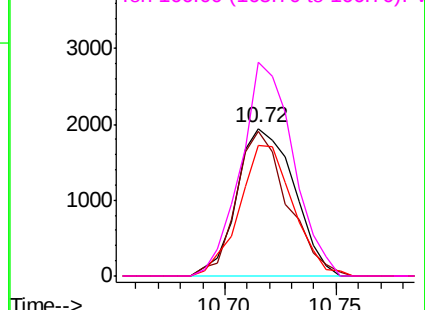
Abundance

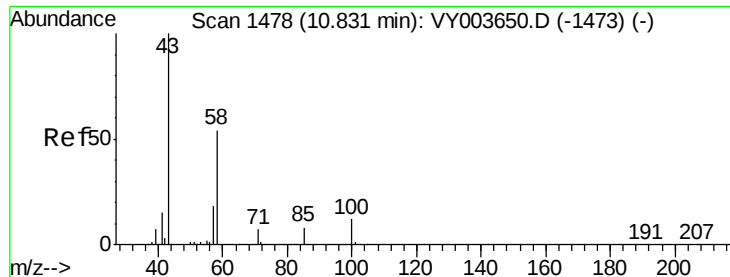
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

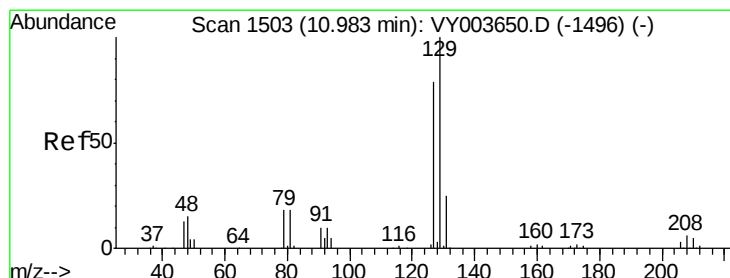
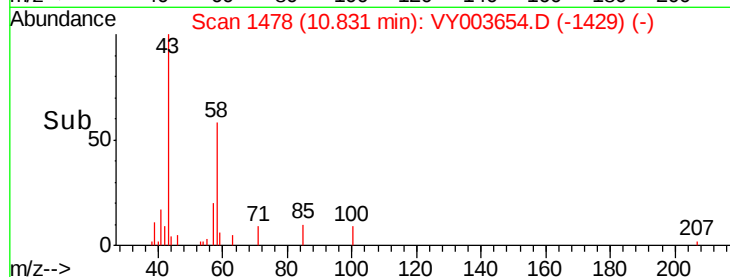
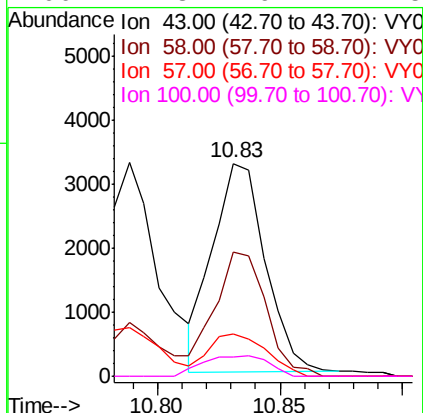
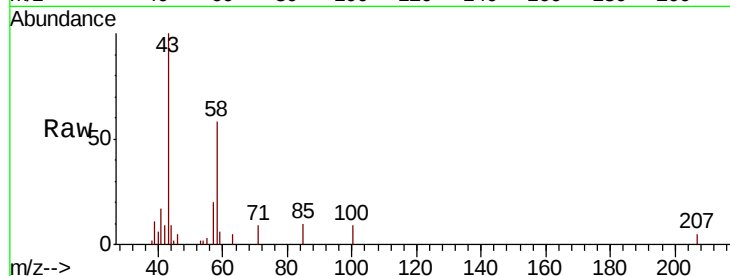




#48
2-Hexanone
Concen: 2.292 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003654.D
Acq: 03 Dec 2020 19:25

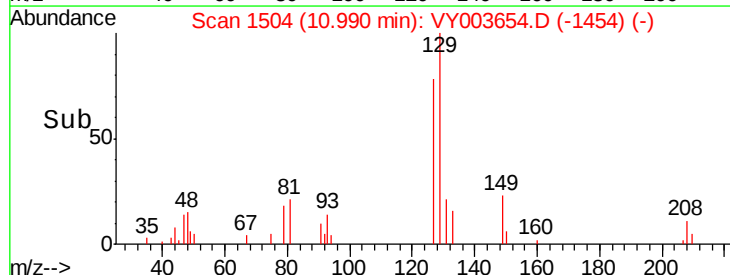
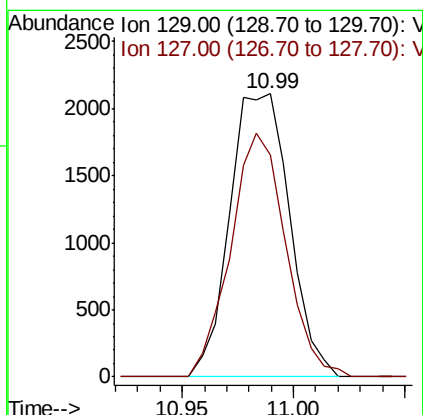
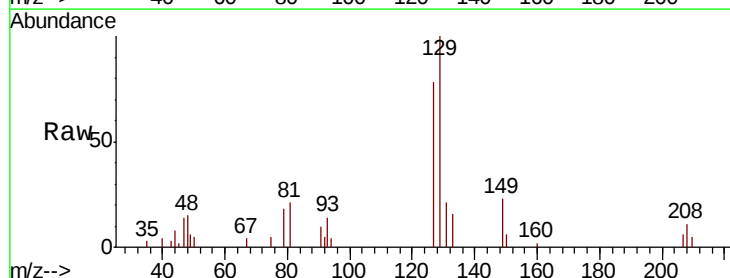
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-07

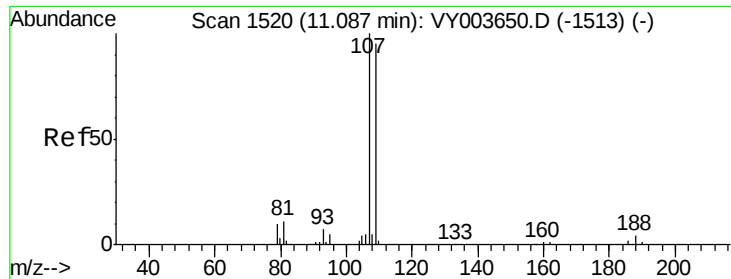
Tot Ion: 43 Resp: 4867
Ion Ratio Lower Upper
43 100
58 58.2 43.0 64.6
57 22.2 14.6 21.8#
100 12.3 9.7 14.5



#49
Dibromochloromethane
Concen: 1.229 ug/L
RT: 10.99 min Scan# 1504
Delta R.T. 0.01 min
Lab File: VY003654.D
Acq: 03 Dec 2020 19:25

Tgt Ion: 129 Resp: 3950
Ion Ratio Lower Upper
129 100
127 78.4 55.0 102.2

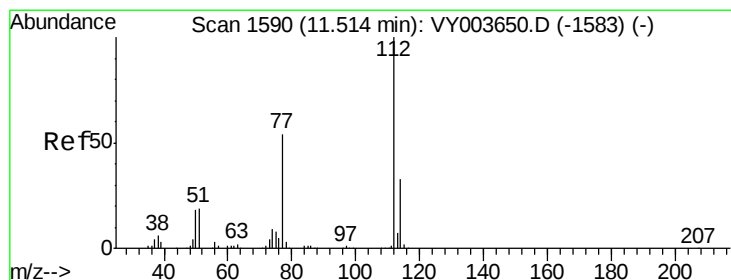
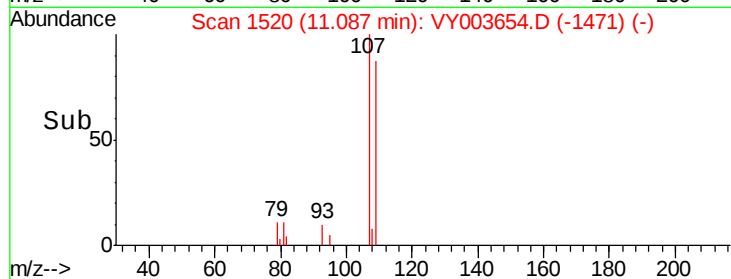
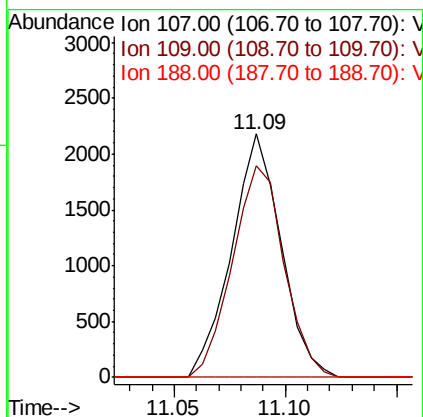
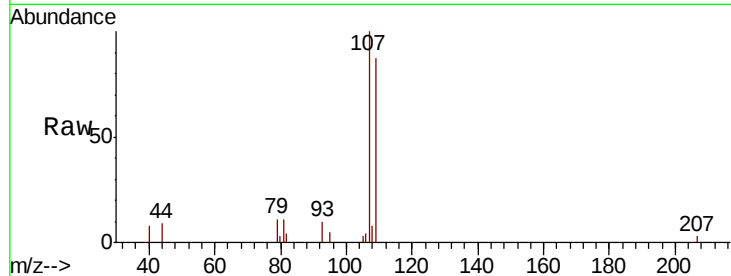




#50
 1,2-Dibromoethane
 Concen: 1.254 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. 0.00 min
 Lab File: VY003654.D
 Acq: 03 Dec 2020 19:25

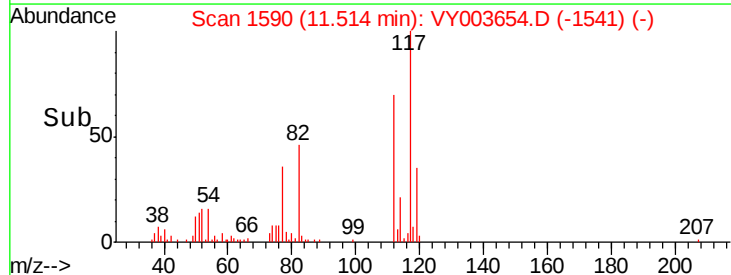
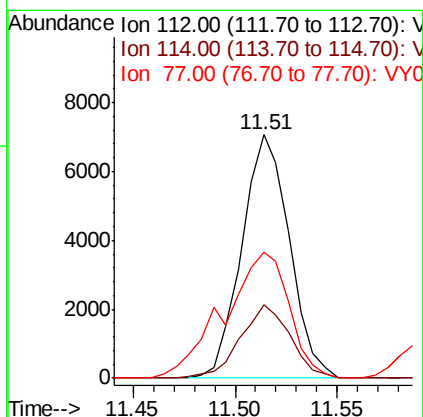
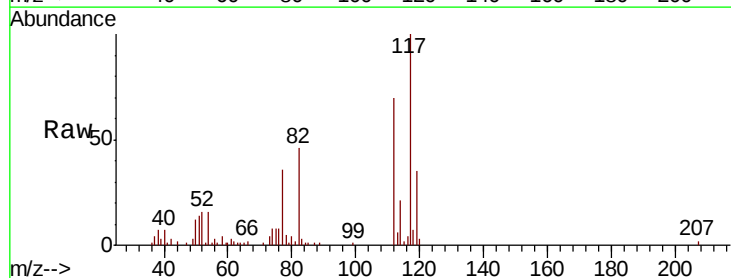
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

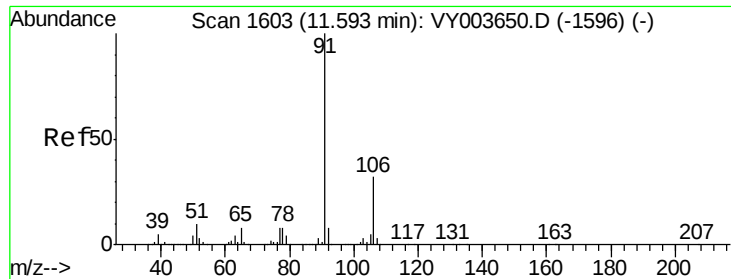
Tot Ion:107 Resp: 3375
 Ion Ratio Lower Upper
 107 100
 109 86.7 65.5 121.7
 188 0.0 3.8 5.8#



#51
 Chlorobenzene
 Concen: 1.296 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VY003654.D
 Acq: 03 Dec 2020 19:25

Tgt Ion:112 Resp: 11443
 Ion Ratio Lower Upper
 112 100
 114 30.2 22.2 41.2
 77 51.8 43.8 65.6





#52

Ethylbenzene

Concen: 1.198 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

Instrument :

MSVOA_Y

ClientSampled :

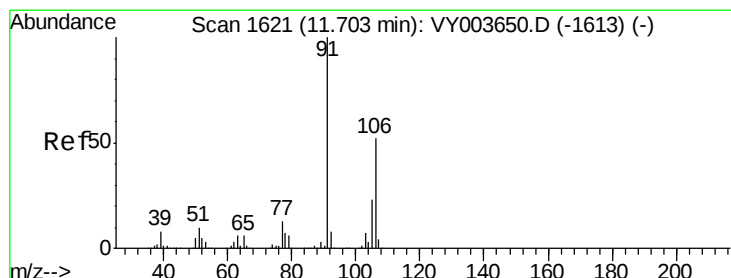
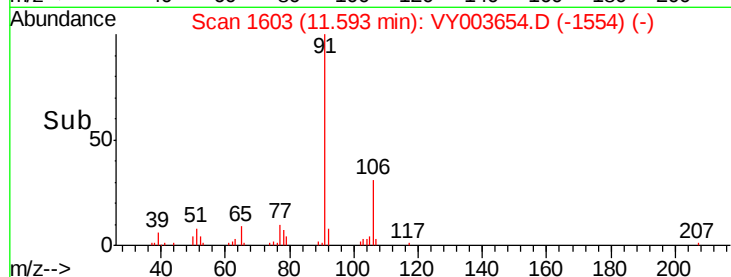
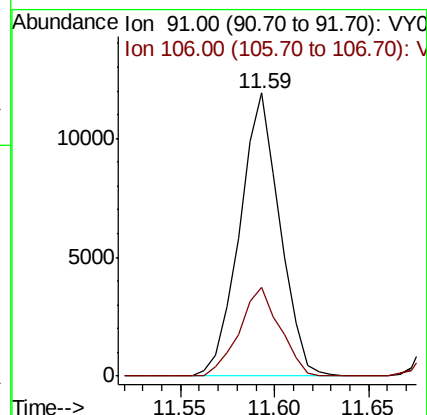
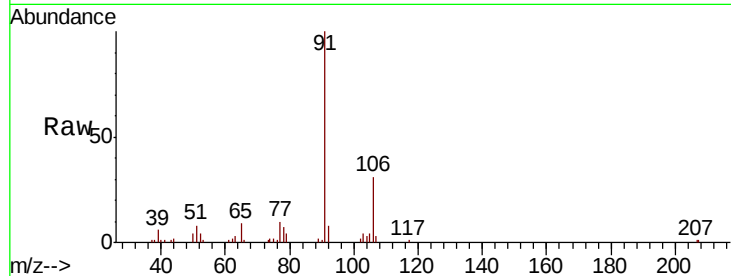
MDL-SOIL-07

Tot Ion: 91 Resp: 17570

Ion Ratio Lower Upper

91 100

106 31.4 22.8 42.4



#53

m,p-Xylene

Concen: 1.229 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003654.D

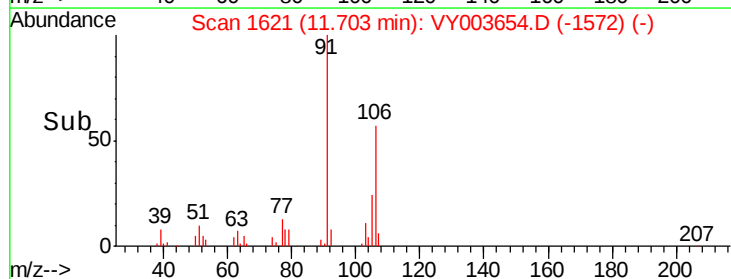
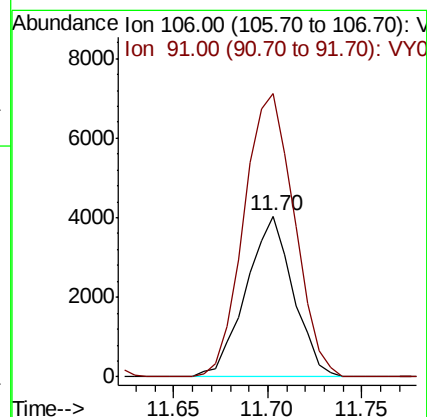
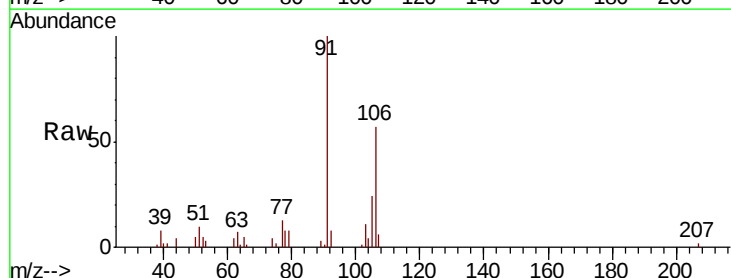
Acq: 03 Dec 2020 19:25

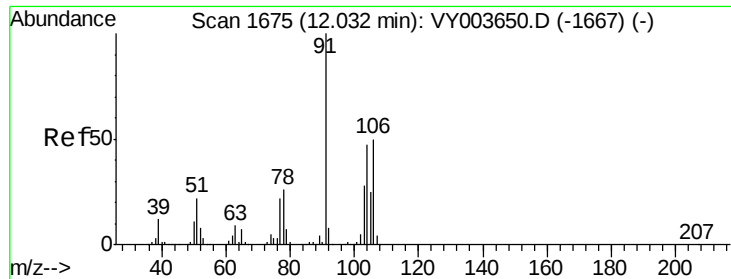
Tgt Ion: 106 Resp: 7051

Ion Ratio Lower Upper

106 100

91 176.2 133.1 247.3





#54

o-Xylene

Concen: 1.160 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

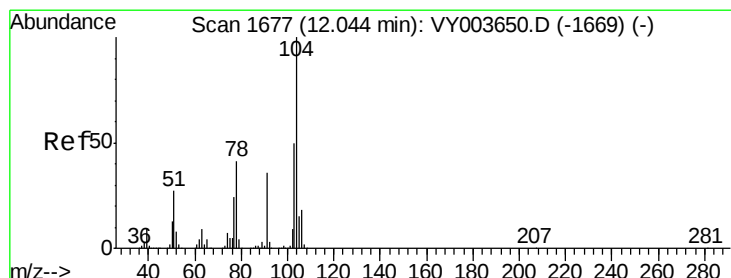
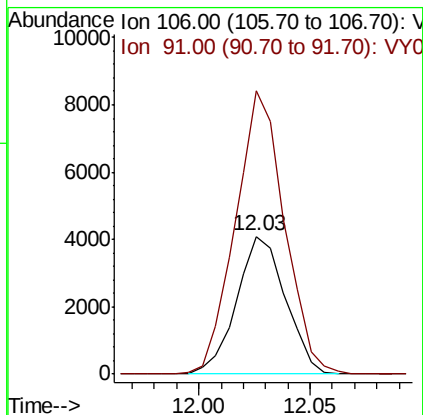
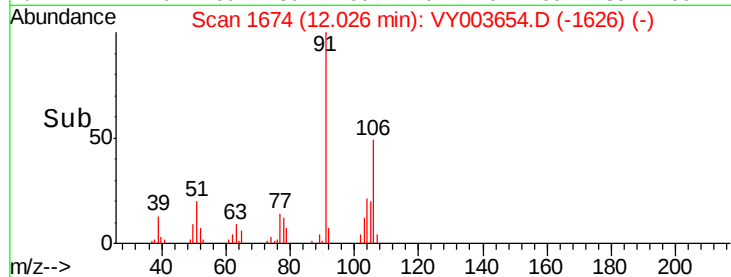
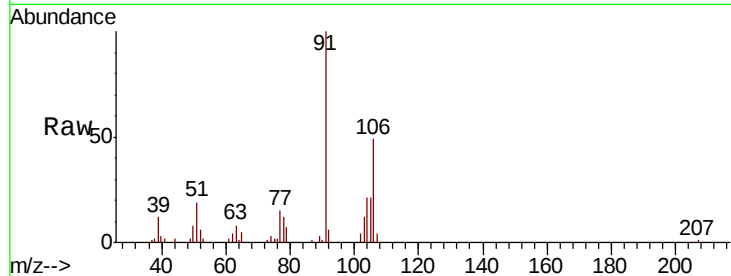
MDL-SOIL-07

Tot Ion:106 Resp: 6286

Ion Ratio Lower Upper

106 100

91 205.3 144.1 267.5



#55

Styrene

Concen: 1.083 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VY003654.D

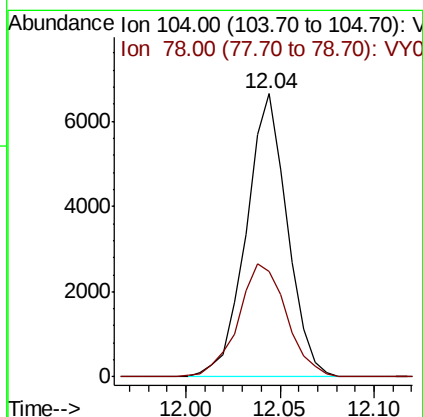
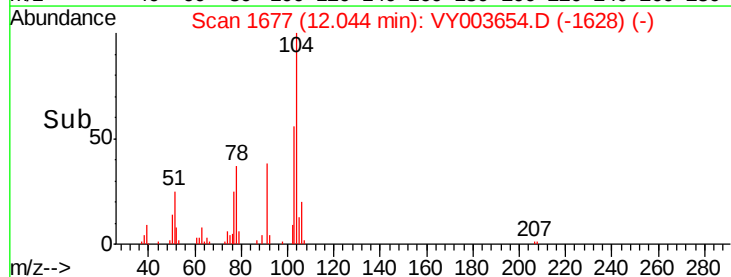
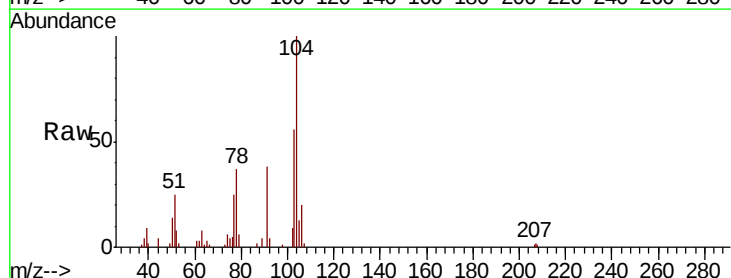
Acq: 03 Dec 2020 19:25

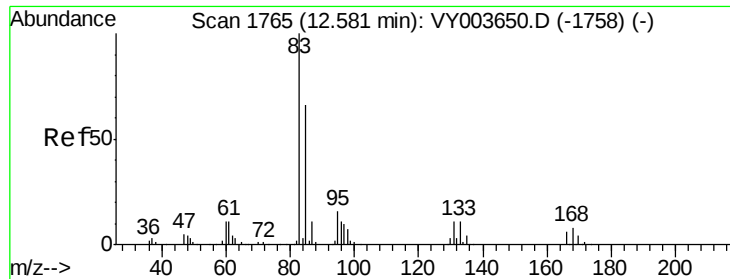
Tgt Ion:104 Resp: 10037

Ion Ratio Lower Upper

104 100

78 37.4 27.6 51.4

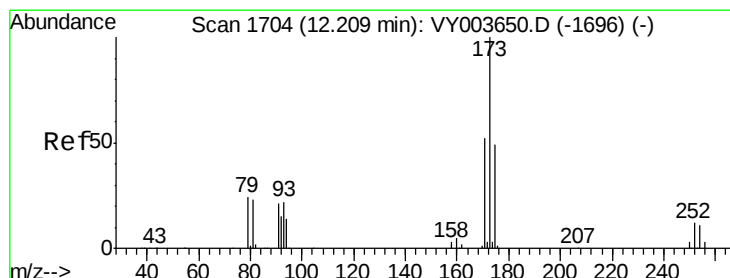
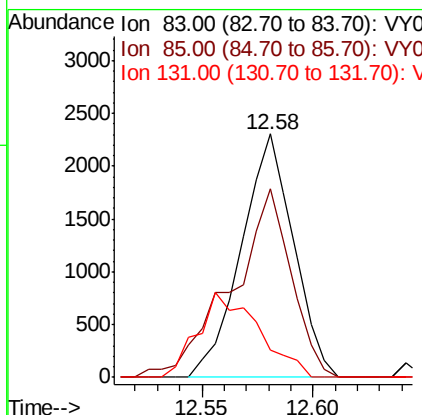
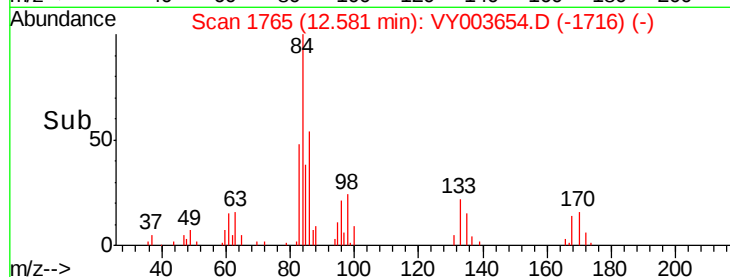
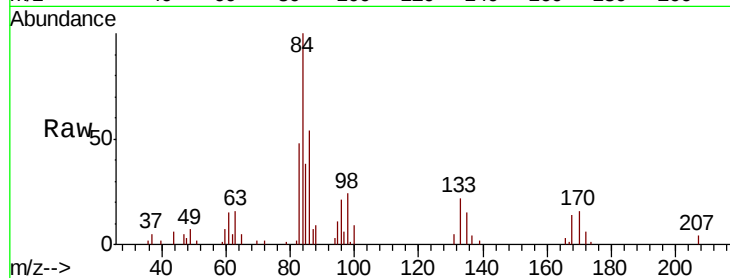




#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.019 ug/L
 RT: 12.58 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: VY003654.D
 Acq: 03 Dec 2020 19:25

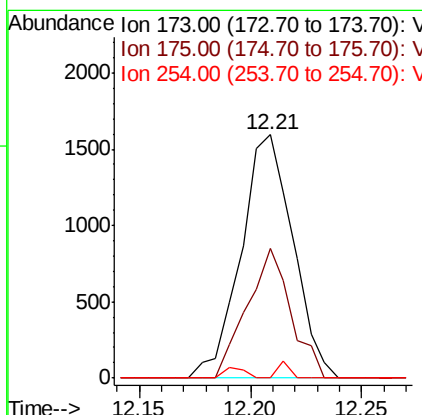
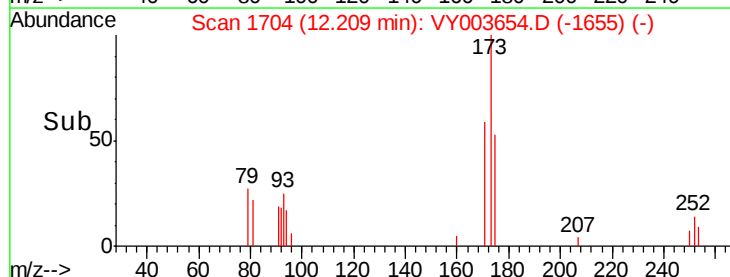
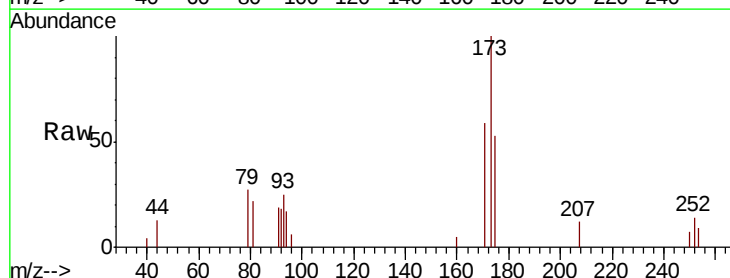
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

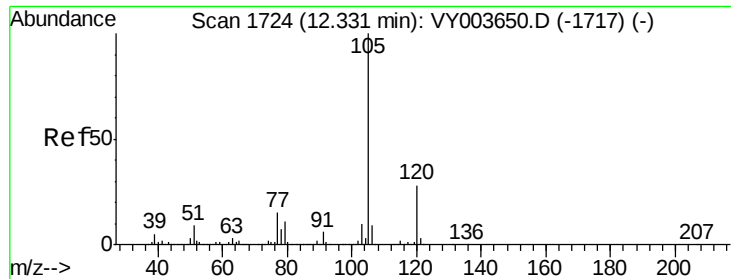
Tot Ion: 83 Resp: 3757
 Ion Ratio Lower Upper
 83 100
 85 77.6 46.1 85.7
 131 11.1 8.1 12.1



#59
 Bromoform
 Concen: 1.242 ug/L
 RT: 12.21 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VY003654.D
 Acq: 03 Dec 2020 19:25

Tgt Ion: 173 Resp: 2595
 Ion Ratio Lower Upper
 173 100
 175 44.9 38.2 57.4
 254 1.8 8.0 12.0#





#60

Isopropylbenzene

Concen: 1.160 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. 0.00 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

Instrument :

MSVOA_Y

ClientSampled :

MDL-SOIL-07

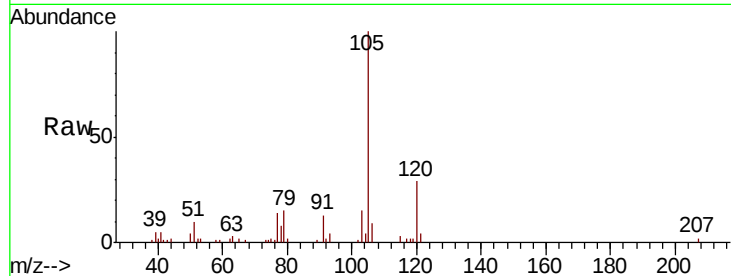
Tot Ion:105 Resp: 15783

Ion Ratio Lower Upper

105 100

120 27.9 22.0 33.0

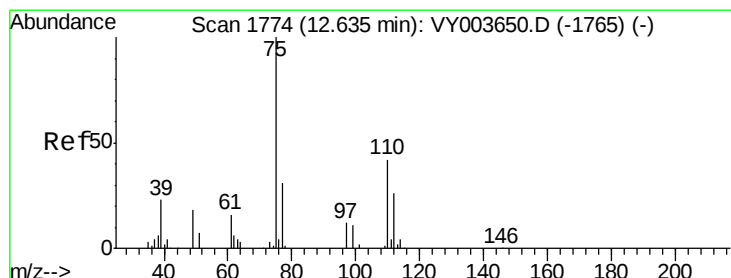
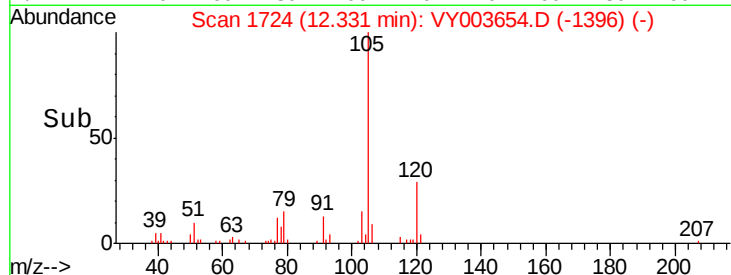
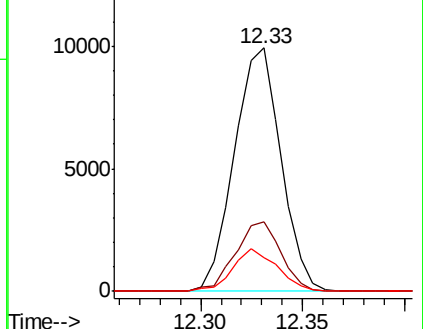
77 16.7 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): VY003650.D (-1717) (-)

Ion 120.00 (119.70 to 120.70): VY003650.D (-1717) (-)

Ion 77.00 (76.70 to 77.70): VY003650.D (-1717) (-)



#61

1,2,3-Trichloropropane

Concen: 1.287 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

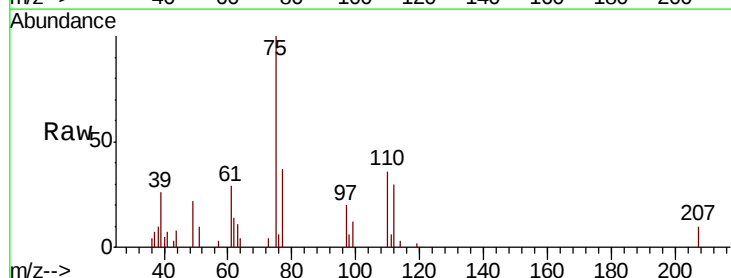
Tgt Ion: 75 Resp: 3274

Ion Ratio Lower Upper

75 100

77 33.9 26.3 39.5

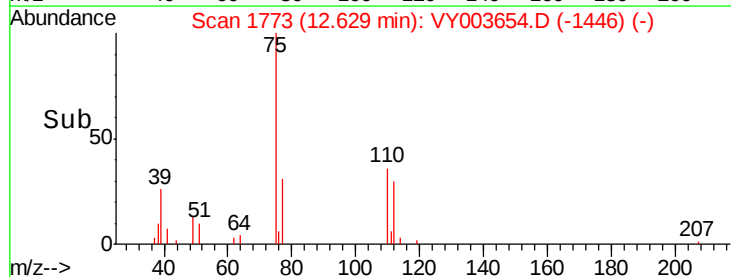
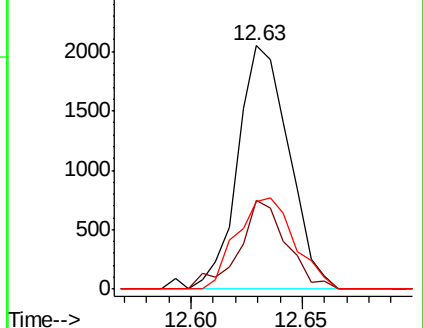
110 42.6 33.0 49.4

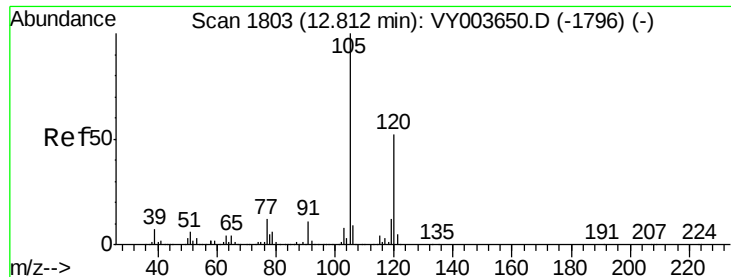


Abundance Ion 75.00 (74.70 to 75.70): VY003650.D (-1765) (-)

Ion 77.00 (76.70 to 77.70): VY003650.D (-1765) (-)

Ion 110.00 (109.70 to 110.70): VY003650.D (-1765) (-)





#62

1,3,5-Trimethylbenzene

Concen: 1.121 ug/L

RT: 12.81 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

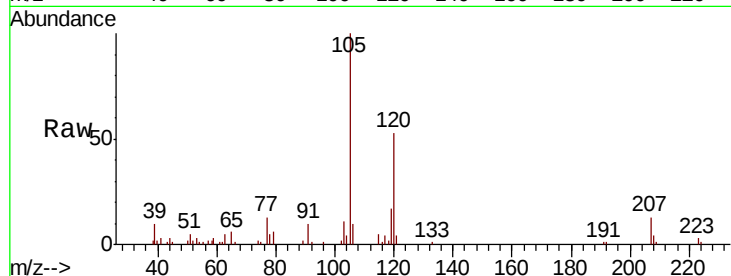
MDL-SOIL-07

Tot Ion:105 Resp: 12092

Ion Ratio Lower Upper

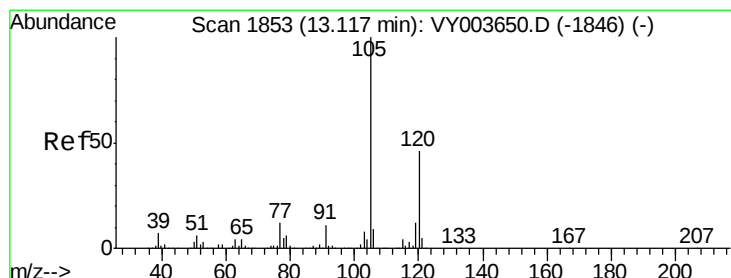
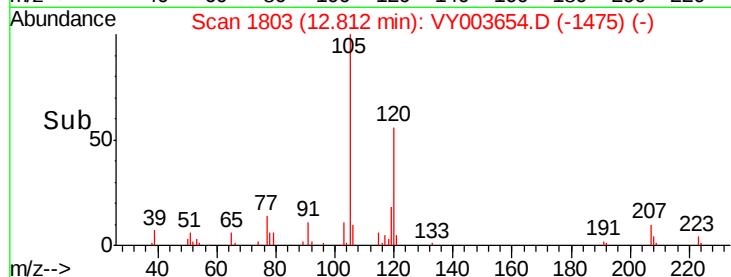
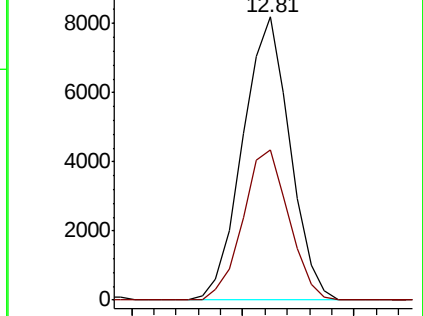
105 100

120 51.4 40.4 60.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 1.138 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003654.D

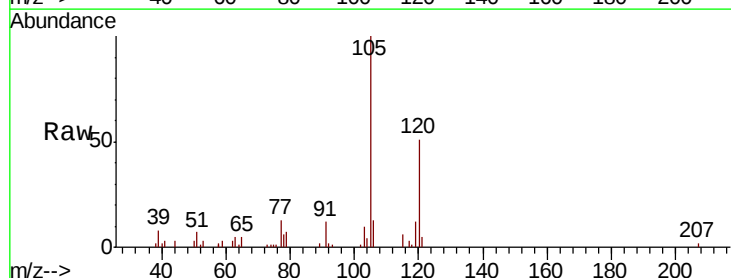
Acq: 03 Dec 2020 19:25

Tgt Ion:105 Resp: 12131

Ion Ratio Lower Upper

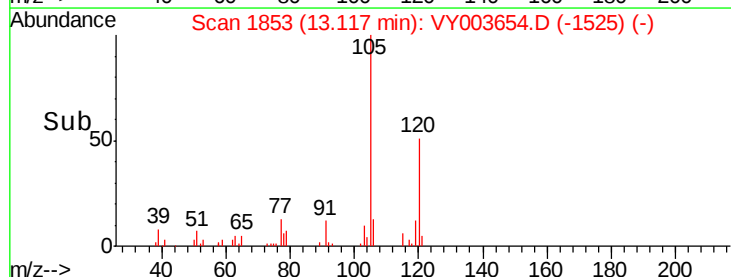
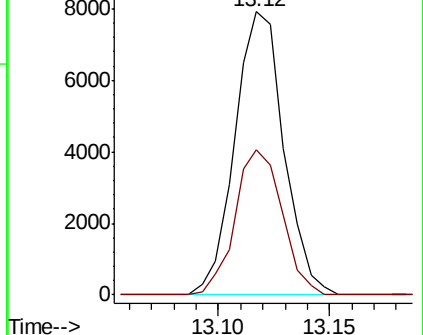
105 100

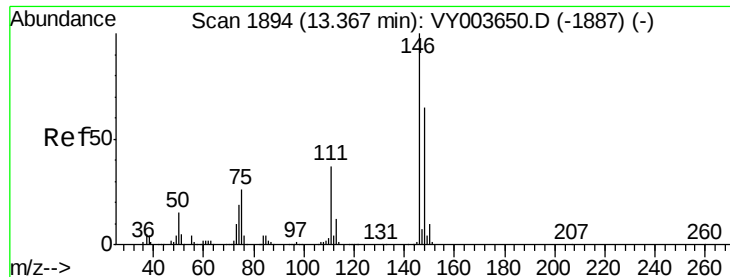
120 49.1 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 1.374 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. -0.01 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-07

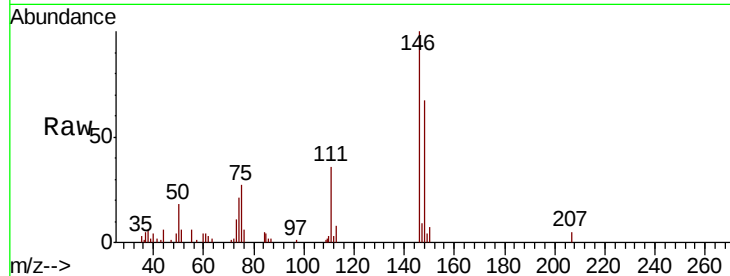
Tot Ion:146 Resp: 9044

Ion Ratio Lower Upper

146 100

111 36.3 26.6 49.4

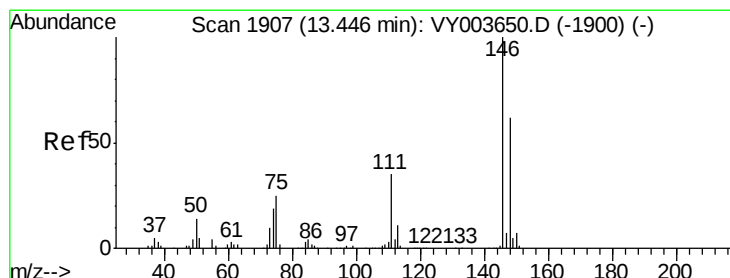
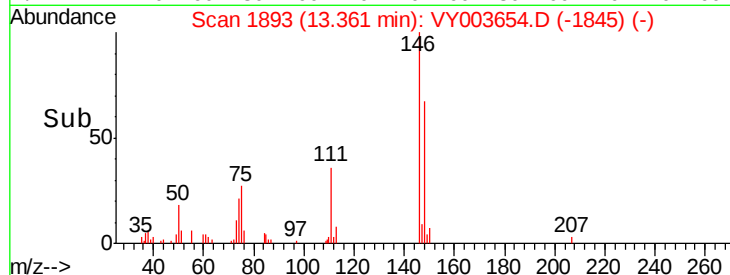
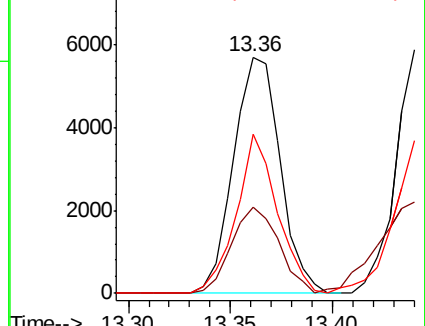
148 67.4 46.3 86.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 1.387 ug/L

RT: 13.44 min Scan# 1906

Delta R.T. -0.01 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

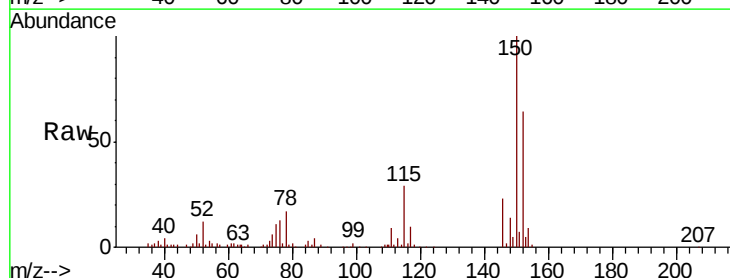
Tgt Ion:146 Resp: 9277

Ion Ratio Lower Upper

146 100

111 37.3 24.7 45.9

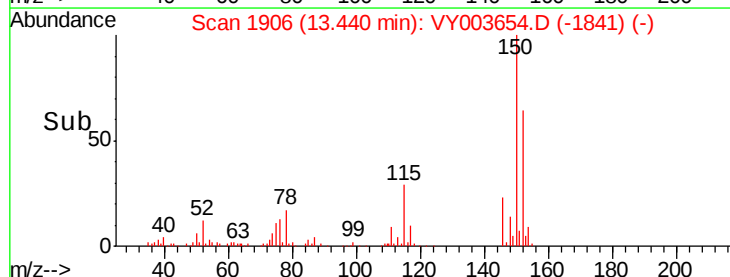
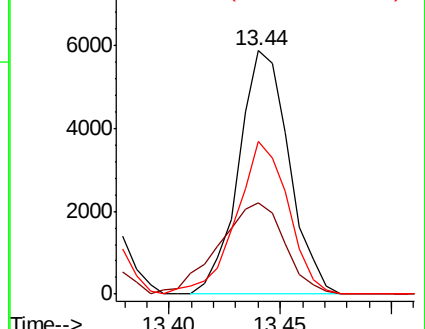
148 62.7 43.4 80.6

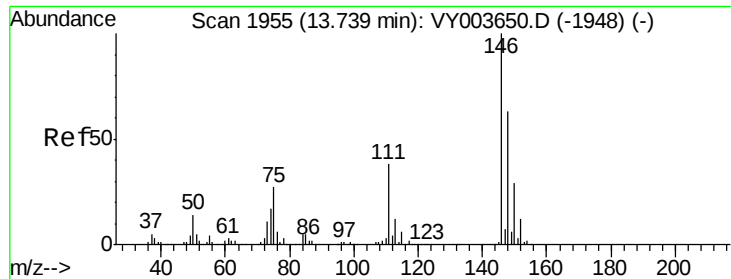


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

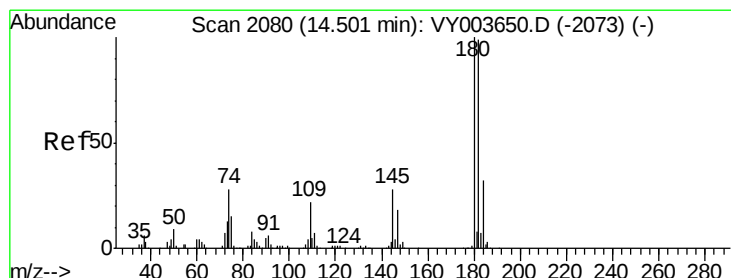
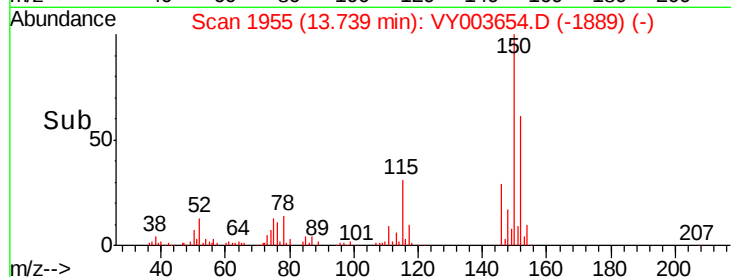
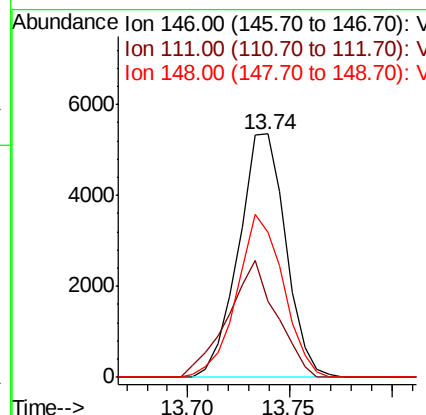
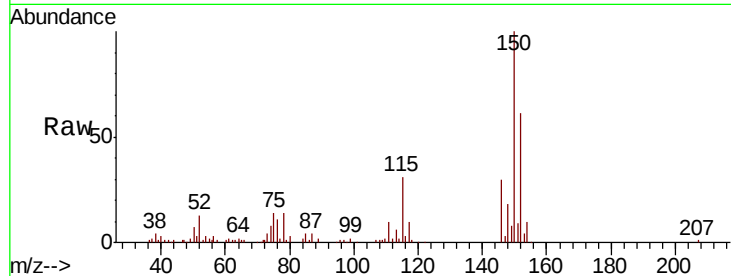




#67
 1,2-Dichlorobenzene
 Concen: 1.396 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VY003654.D
 Acq: 03 Dec 2020 19:25

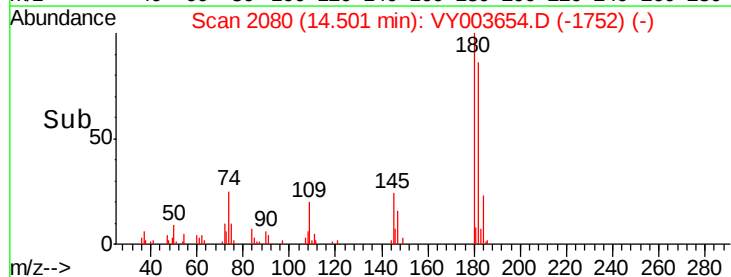
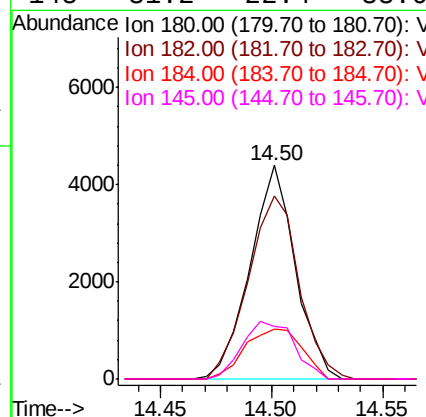
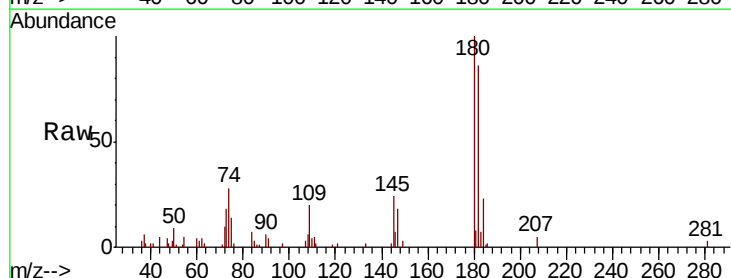
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

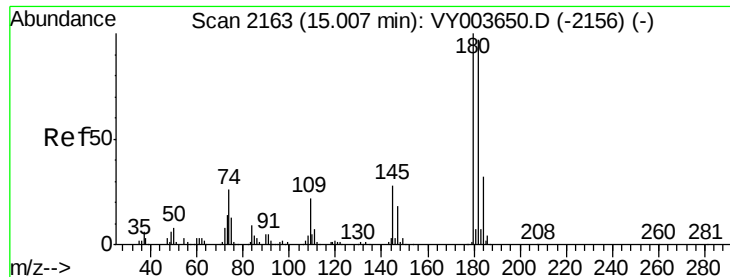
Tot Ion:146 Resp: 8629
 Ion Ratio Lower Upper
 146 100
 111 31.4 31.0 46.6
 148 59.6 51.0 76.4



#69
 1,3,5-Trichlorobenzene
 Concen: 1.349 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VY003654.D
 Acq: 03 Dec 2020 19:25

Tgt Ion:180 Resp: 6239
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.4 113.0
 184 29.7 24.1 36.1
 145 31.2 22.4 33.6





#70

1,2,4-trichlorobenzene

Concen: 1.314 ug/L

RT: 15.01 min Scan# 2163

Delta R.T. 0.00 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-07

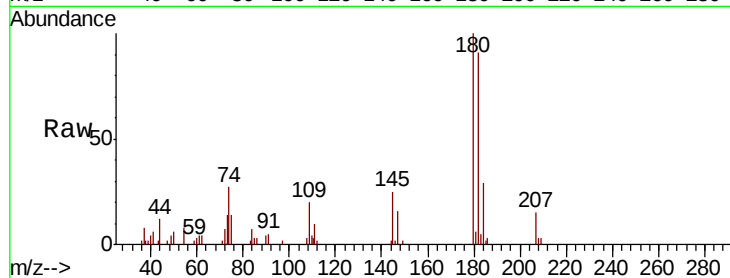
Tot Ion:180 Resp: 5176

Ion Ratio Lower Upper

180 100

182 95.0 76.1 114.1

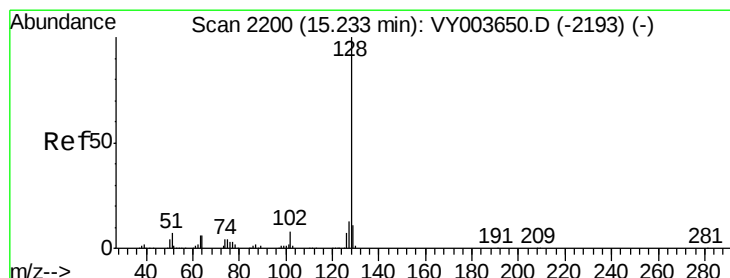
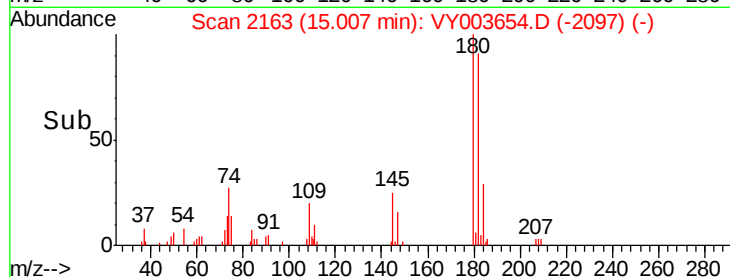
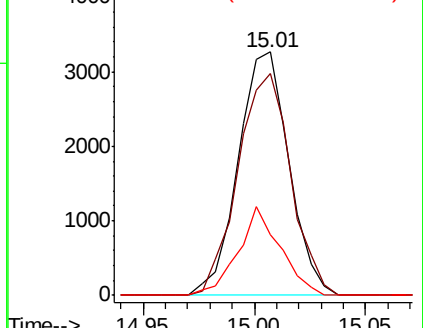
145 30.0 22.8 34.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#71

Naphthalene

Concen: 1.203 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

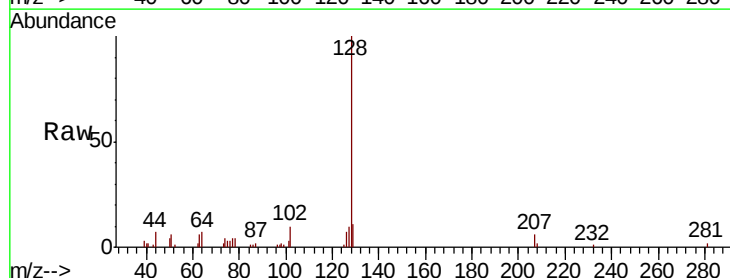
Tgt Ion:128 Resp: 10342

Ion Ratio Lower Upper

128 100

127 12.0 10.4 15.6

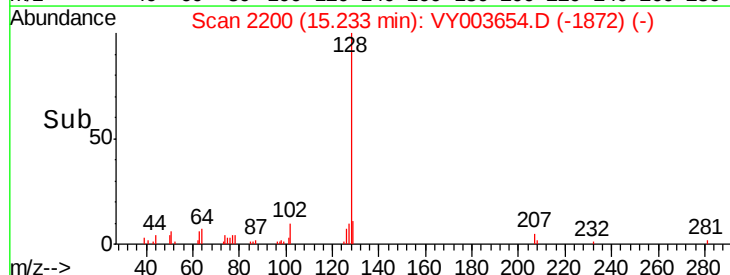
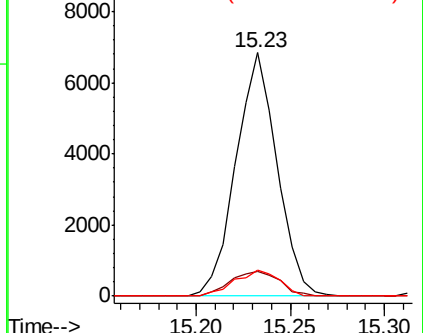
129 11.6 8.5 12.7

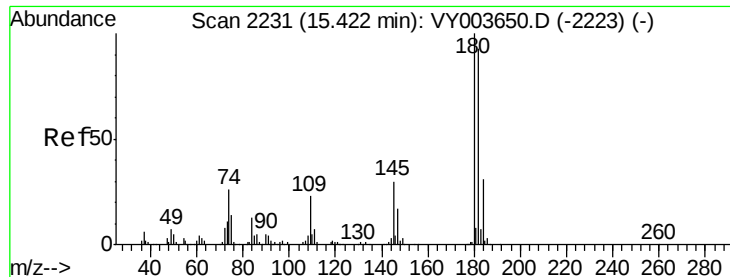


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#72

1,2,3-Trichlorobenzene

Concen: 1.253 ug/L

RT: 15.42 min Scan# 2230

Delta R.T. -0.01 min

Lab File: VY003654.D

Acq: 03 Dec 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-07

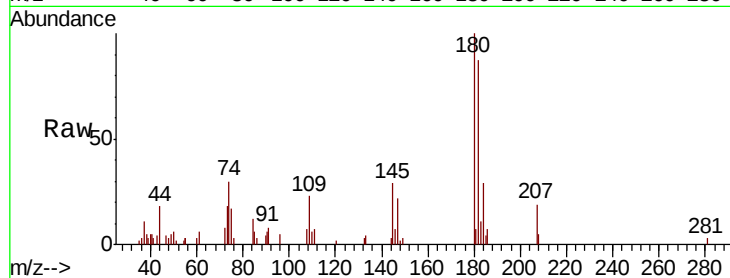
Tot Ion:180 Resp: 4533

Ion Ratio Lower Upper

180 100

182 97.9 76.2 114.4

145 31.0 23.6 35.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

