

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122920\
 Data File : VY003855.D
 Acq On : 29 Dec 2020 16:44
 Operator : SY/MD
 Sample : L4485-01
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

Quant Time: Dec 30 07:20:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 30 07:19:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	326477	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	308554	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	169306	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	115759	20.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.84%
7) Chloroethane-d5	2.77	69	101034	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.48%
11) 1,1-Dichloroethene-d2	3.86	63	168675	17.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.80%
21) 2-Butanone-d5	6.89	46	106311	50.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.22%
24) Chloroform-d	7.48	84	210490	23.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.36%
26) 1,2-Dichloroethane-d4	8.14	65	139407	24.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.08%
32) Benzene-d6	8.11	84	414504	24.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.64%
36) 1,2-Dichloropropane-d6	9.12	67	126129	24.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.68%
41) Toluene-d8	10.18	98	392983	24.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	10.43	79	67729	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.92%
47) 2-Hexanone-d5	10.79	63	77189	49.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.38%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	121606	24.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.76%
66) 1,2-Dichlorobenzene-d4	13.71	152	156337	25.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	8008	1.464 ug/L	97
3) Chloromethane	2.12	50	7649	1.249 ug/L	98
6) Bromomethane	2.66	94	4891	1.231 ug/L	95
9) Trichlorofluoromethane	3.13	101	10450	1.204 ug/L	98
12) 1,1-Dichloroethene	3.88	96	2947	0.689 ug/L #	1
13) Acetone	3.95	43	4955	3.162 ug/L	59
14) Carbon disulfide	4.20	76	15716	1.091 ug/L	97
15) Methyl Acetate	4.48	43	4437	1.231 ug/L #	77
16) Methylene chloride	4.72	84	7854	1.500 ug/L	93
17) trans-1,2-Dichloroethene	5.23	96	3457	0.738 ug/L	96
18) Methyl tert-butyl Ether	5.22	73	10517	0.760 ug/L #	78
19) 1,1-Dichloroethane	6.03	63	10266	1.213 ug/L	94
20) cis-1,2-Dichloroethene	6.98	96	5579	1.102 ug/L	96
22) 2-Butanone	6.99	43	6965	2.868 ug/L	78
23) Bromochloromethane	7.34	128	2750	1.098 ug/L	85
27) 1,2-Dichloroethane	8.24	62	8362	1.213 ug/L #	93
29) Cyclohexane	7.78	56	9114	1.127 ug/L #	93

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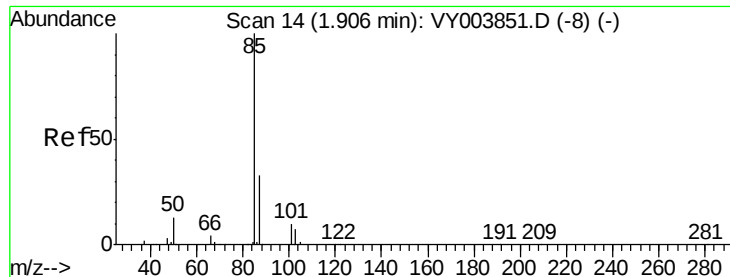
Instrument :
 MSVOA_Y
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

30) 1,1,1-Trichloroethane	7.71	97	9839	1.185	ug/L #	88
31) Carbon tetrachloride	7.90	117	8828	1.149	ug/L	94
33) Benzene	8.16	78	22458	1.191	ug/L	100
34) Trichloroethene	8.94	95	6241	1.197	ug/L	94
35) Methylcyclohexane	9.18	83	10251	1.208	ug/L	98
37) 1,2-Dichloropropane	9.22	63	5237	1.091	ug/L #	91
38) Bromodichloromethane	9.49	83	8163	1.207	ug/L #	90
39) cis-1,3-Dichloropropene	9.93	75	8755	1.067	ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	12090	2.358	ug/L	98
42) Toluene	10.24	91	24586	1.178	ug/L	96
44) trans-1,3-Dichloropropene	10.47	75	9246	1.168	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	4795	1.163	ug/L	94
46) Tetrachloroethene	10.72	164	5605	1.243	ug/L	97
48) 2-Hexanone	10.83	43	8690	2.327	ug/L	99
49) Dibromochloromethane	10.98	129	5907	1.131	ug/L	86
50) 1,2-Dibromoethane	11.09	107	4618	1.134	ug/L	93
51) Chlorobenzene	11.51	112	16229	1.203	ug/L	94
52) Ethylbenzene	11.59	91	26791	1.146	ug/L	100
53) m,p-Xylene	11.70	106	10270	1.159	ug/L	94
54) o-Xylene	12.03	106	9277	1.075	ug/L	98
55) Styrene	12.04	104	15316	1.026	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.57	83	6173	1.265	ug/L #	95
59) Bromoform	12.20	173	4172	1.142	ug/L #	40
60) Isopropylbenzene	12.32	105	24884	1.112	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	4877	1.173	ug/L	100
62) 1,3,5-Trimethylbenzene	12.81	105	21254	1.143	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	21525	1.143	ug/L	96
64) 1,3-Dichlorobenzene	13.36	146	12865	1.187	ug/L	95
65) 1,4-Dichlorobenzene	13.44	146	13159	1.199	ug/L	95
67) 1,2-Dichlorobenzene	13.73	146	12598	1.241	ug/L	91
68) 1,2-Dibromo-3-chloropropan	14.35	75	1505	1.456	ug/L #	78
69) 1,3,5-Trichlorobenzene	14.50	180	11359	1.344	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	9271	1.294	ug/L	100
71) Naphthalene	15.23	128	17219	1.151	ug/L	96
72) 1,2,3-Trichlorobenzene	15.42	180	8372	1.322	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 1.464 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003855.D

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Instrument :

MSVOA_Y

ClientSampleId :

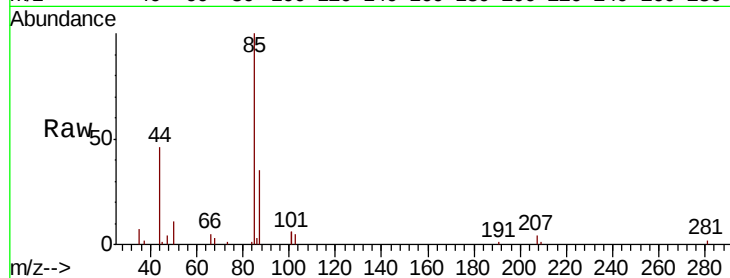
MDL-SOIL-01

Tot Ion: 85 Resp: 8008

Ion Ratio Lower Upper

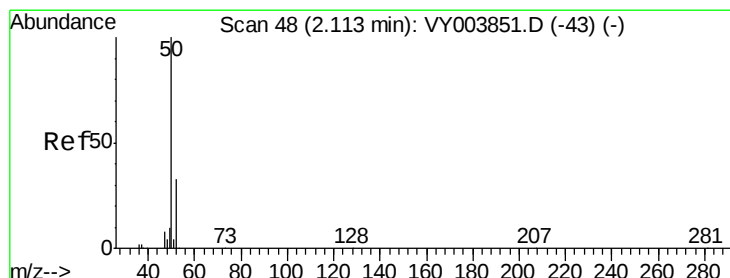
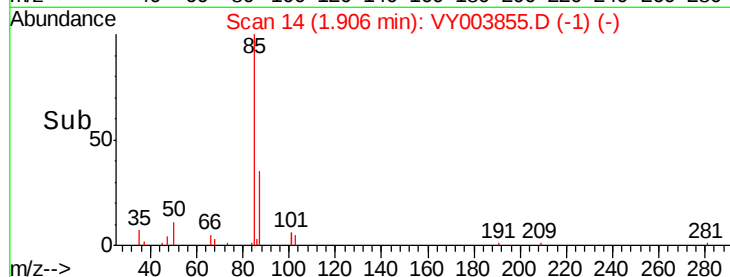
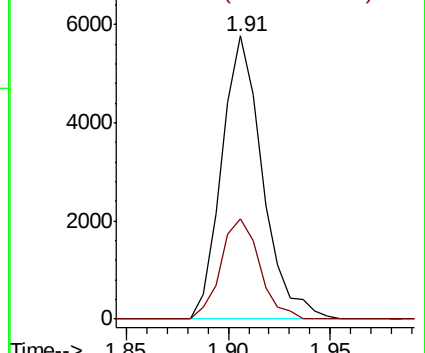
85 100

87 33.6 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 1.249 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.01 min

Lab File: VY003855.D

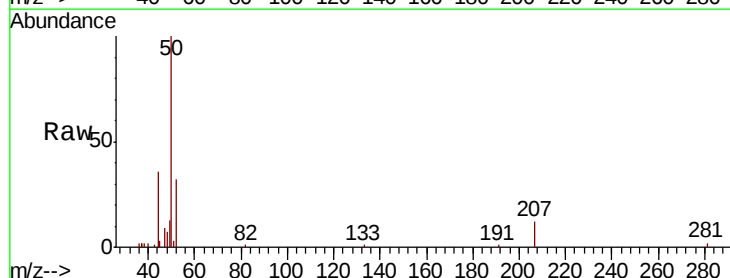
Acq: 29 Dec 2020 16:44

Tgt Ion: 50 Resp: 7649

Ion Ratio Lower Upper

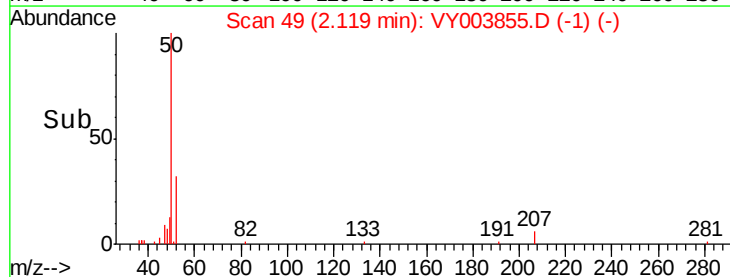
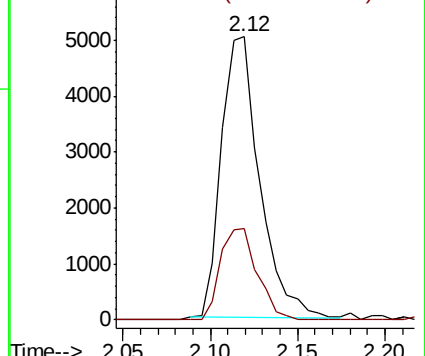
50 100

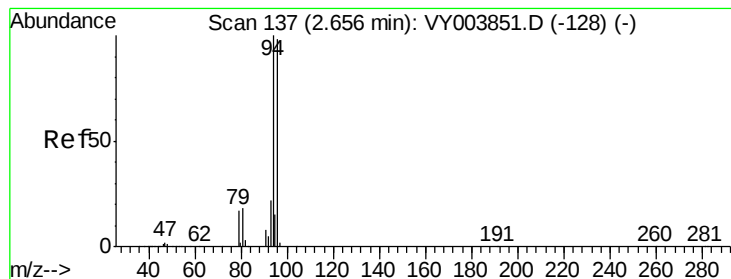
52 32.5 22.0 41.0



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#6

Bromomethane

Concen: 1.231 ug/L

RT: 2.66 min Scan# 137

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

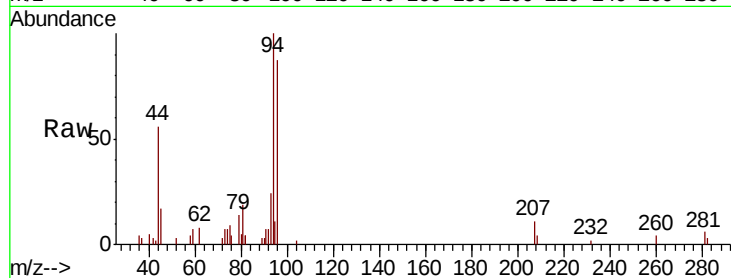
MDL-SOIL-01

Tot Ion: 94 Resp: 4891

Ion Ratio Lower Upper

94 100

96 87.1 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VY003855.D (-128) (-)

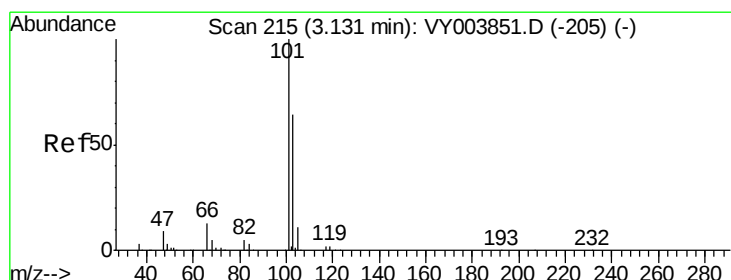
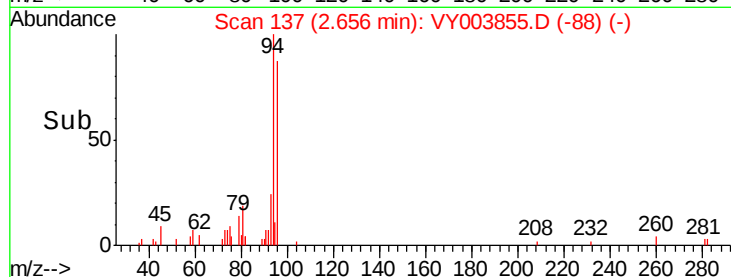
Ion 96.00 (95.70 to 96.70): VY003855.D (-128) (-)

2.66

2.65

2.70

Time-->



#9

Trichlorofluoromethane

Concen: 1.204 ug/L

RT: 3.13 min Scan# 215

Delta R.T. 0.00 min

Lab File: VY003855.D

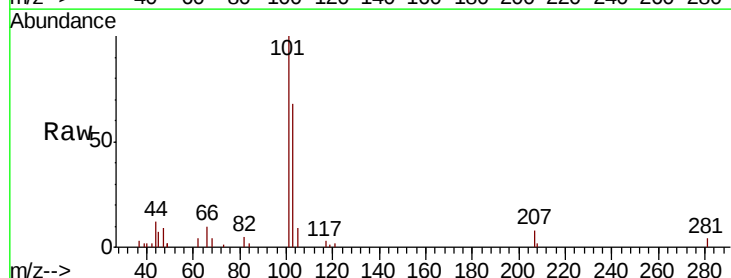
Acq: 29 Dec 2020 16:44

Tgt Ion: 101 Resp: 10450

Ion Ratio Lower Upper

101 100

103 66.1 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VY003855.D (-205) (-)

Ion 103.00 (102.70 to 103.70): VY003855.D (-205) (-)

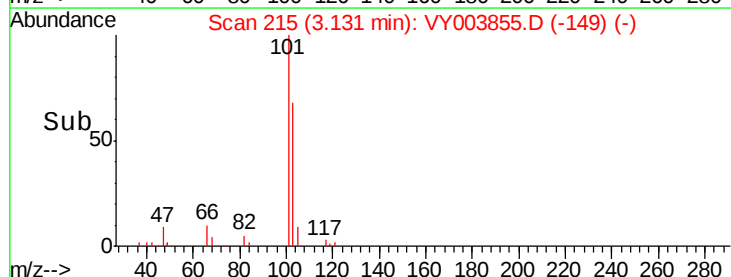
3.13

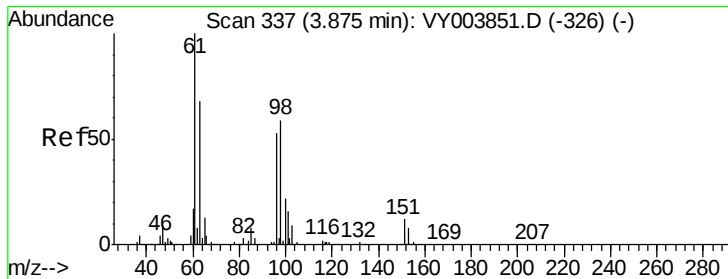
3.10

3.15

3.20

Time-->





#12

1,1-Dichloroethene

Concen: 0.689 ug/L

RT: 3.88 min Scan# 338

Delta R.T. 0.01 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

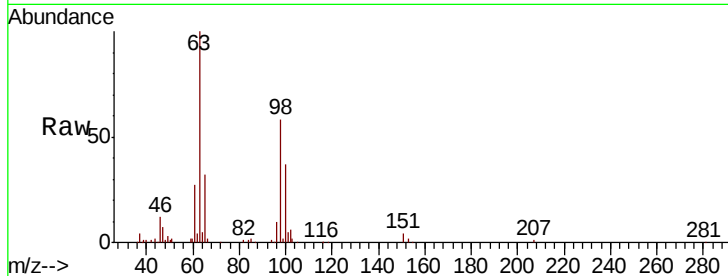
Tot Ion: 96 Resp: 2947

Ion Ratio Lower Upper

96 100

61 266.2 123.8 230.0#

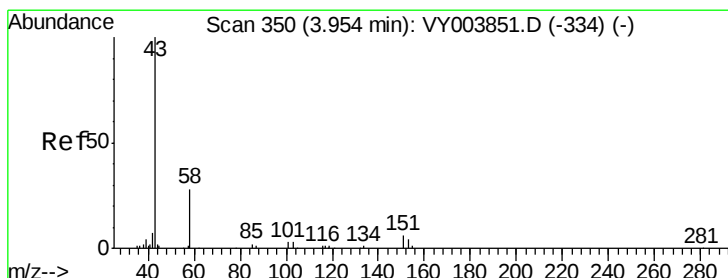
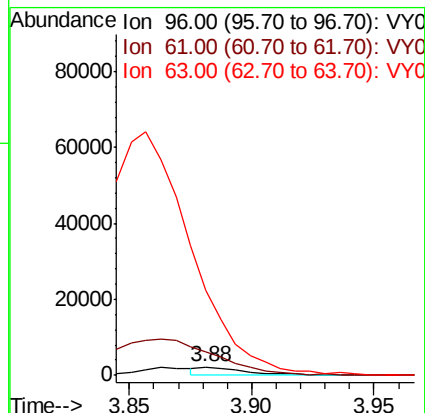
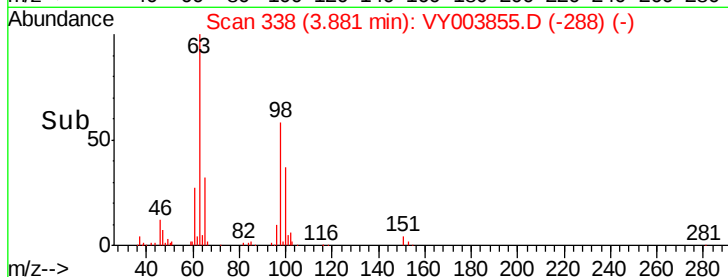
63 986.1 85.3 158.3#



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



#13

Acetone

Concen: 3.162 ug/L

RT: 3.95 min Scan# 350

Delta R.T. 0.00 min

Lab File: VY003855.D

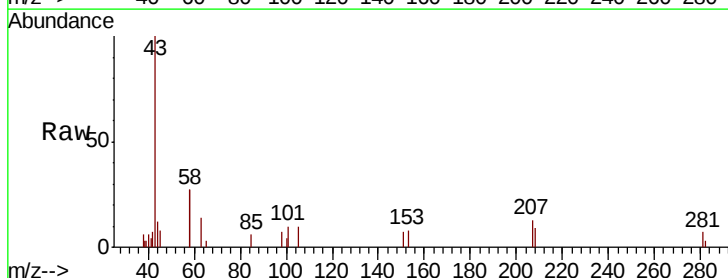
Acq: 29 Dec 2020 16:44

Tgt Ion: 43 Resp: 4955

Ion Ratio Lower Upper

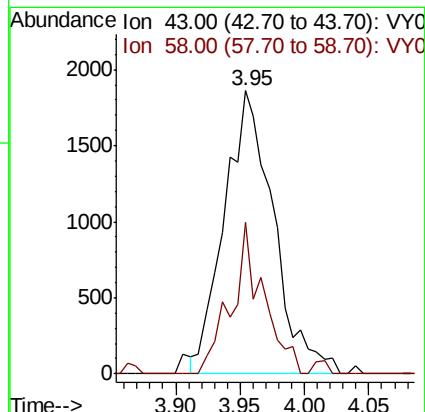
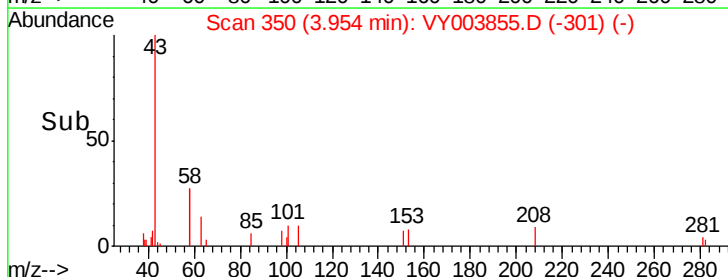
43 100

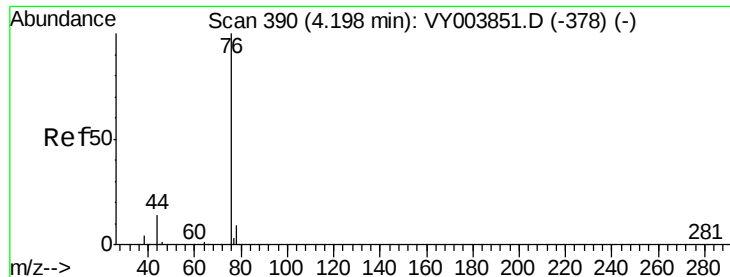
58 7.1 0.0 58.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

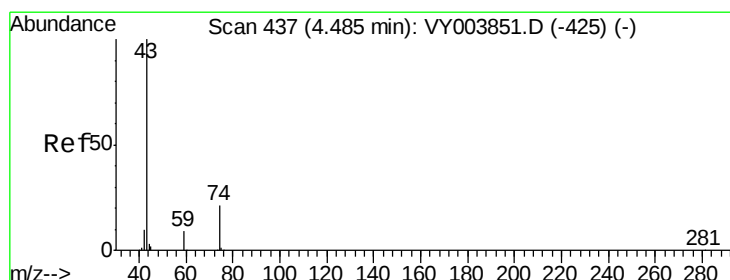
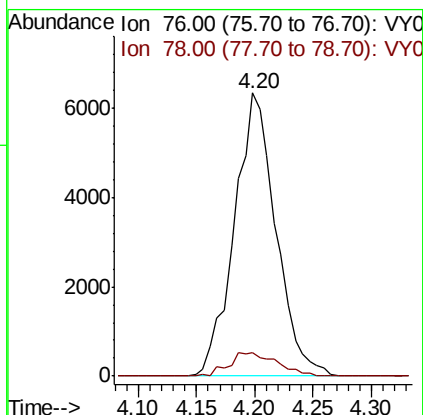
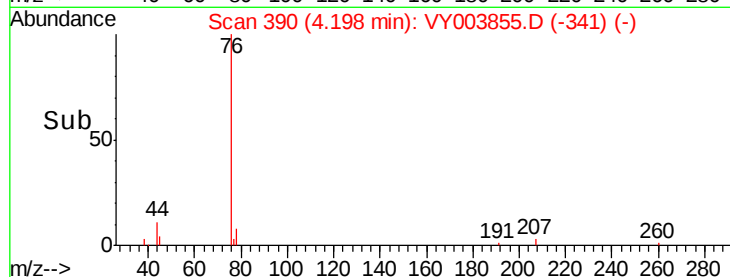
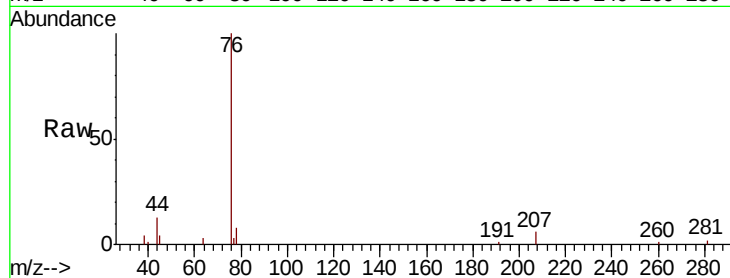




#14
Carbon disulfide
Concen: 1.091 ug/L
RT: 4.20 min Scan# 390
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

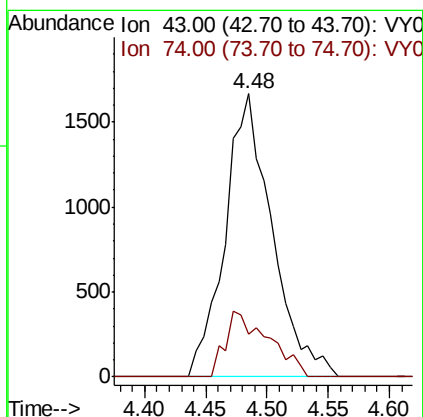
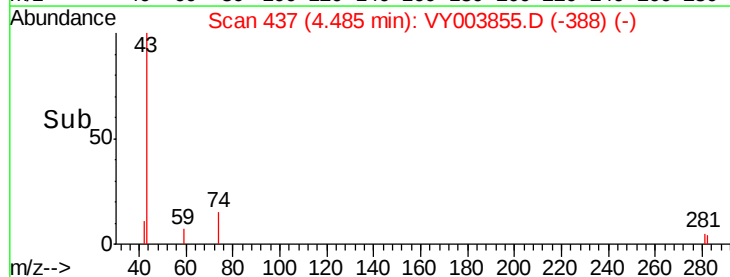
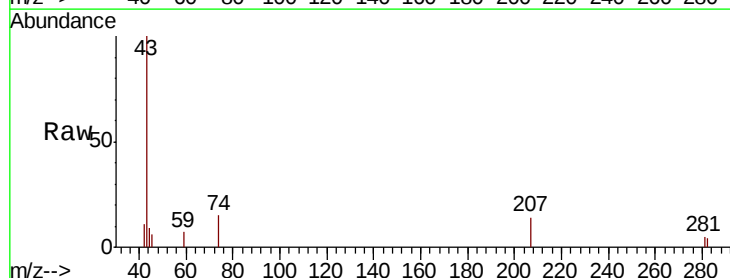
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

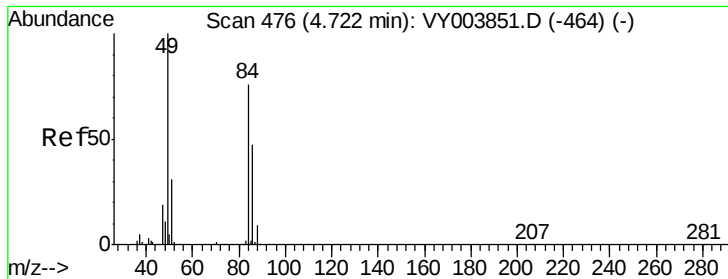
Tot Ion: 76 Resp: 15716
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#15
Methyl Acetate
Concen: 1.231 ug/L
RT: 4.48 min Scan# 437
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Tgt Ion: 43 Resp: 4437
Ion Ratio Lower Upper
43 100
74 11.0 17.4 26.2#

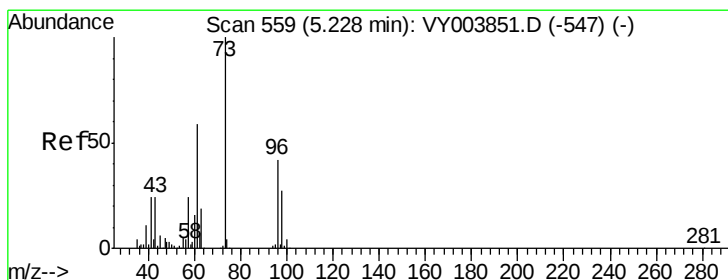
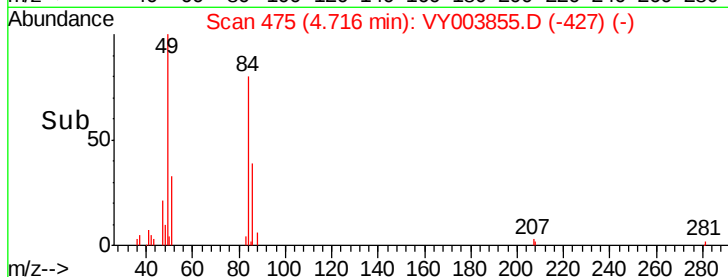
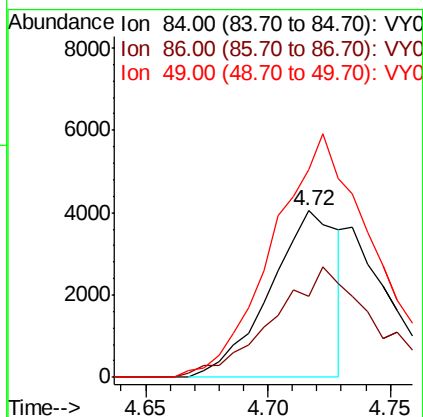
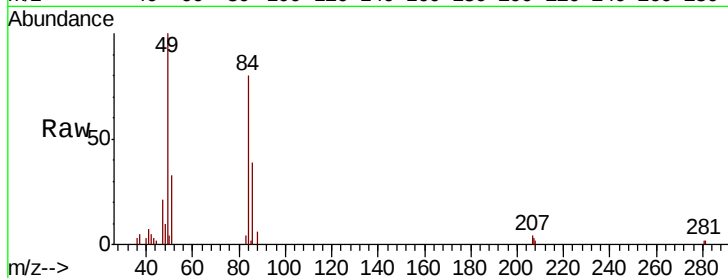




#16
Methvlene chloride
Concen: 1.500 ug/L
RT: 4.72 min Scan# 475
Delta R.T. -0.01 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

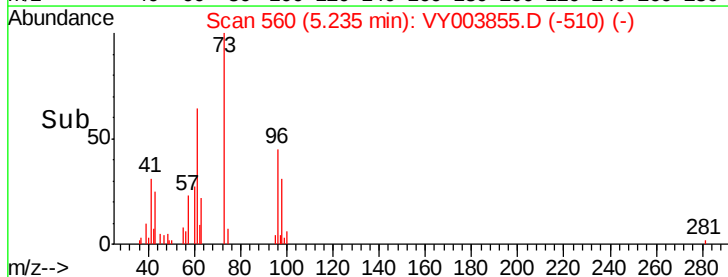
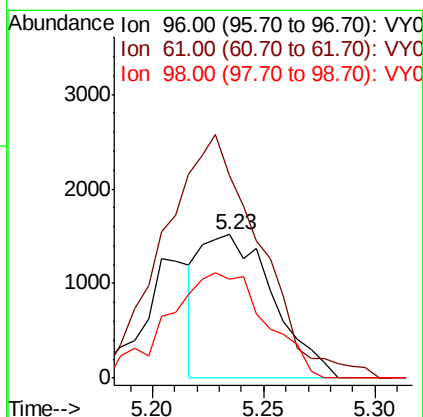
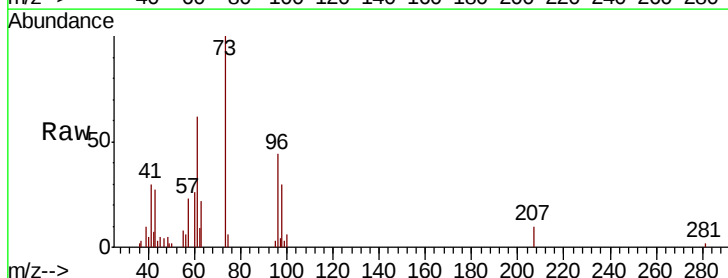
Instrument :
MSVOA_Y
ClientSampled :
MDL-SOIL-01

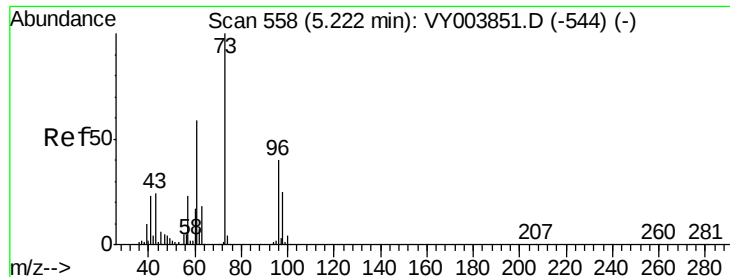
Tot Ion: 84 Resp: 7854
Ion Ratio Lower Upper
84 100
86 48.8 42.1 78.3
49 125.1 90.3 167.7



#17
trans-1,2-Dichloroethene
Concen: 0.738 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.01 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Tgt Ion: 96 Resp: 3457
Ion Ratio Lower Upper
96 100
61 141.6 101.7 188.9
98 68.7 44.3 82.3

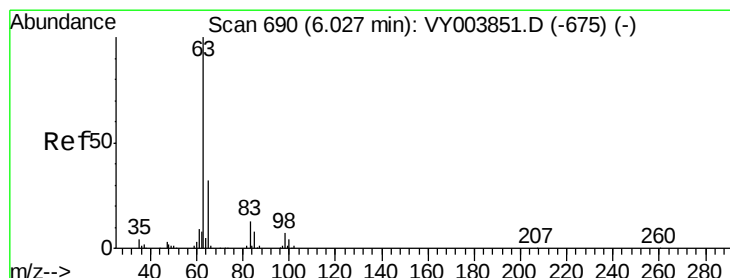
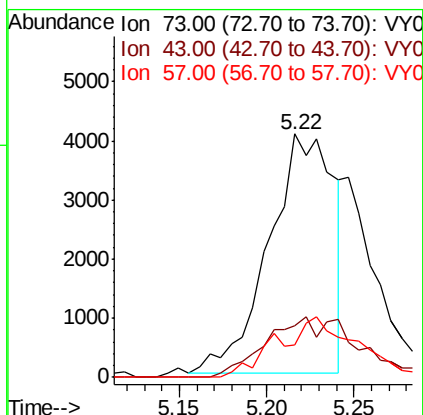
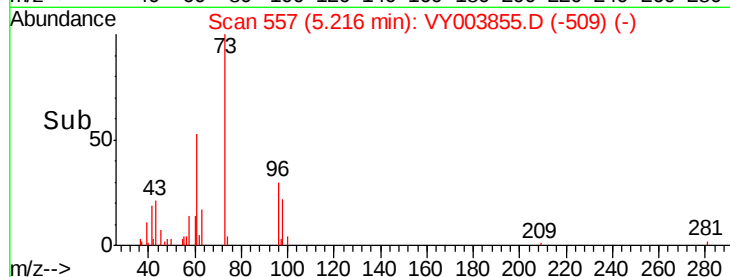
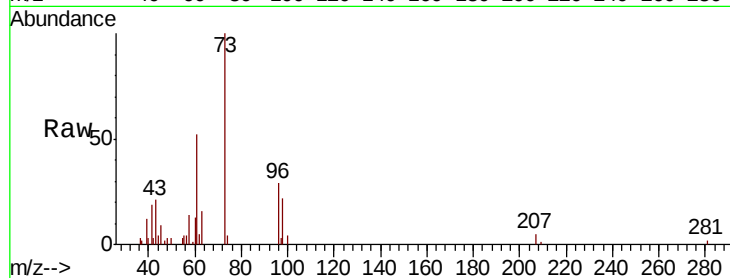




#18
Methvl tert-butvl Ether
Concen: 0.760 ug/L
RT: 5.22 min Scan# 557
Delta R.T. -0.01 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

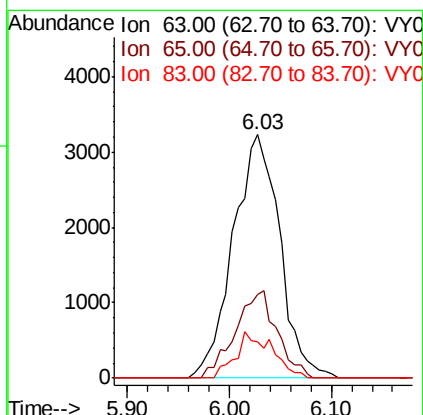
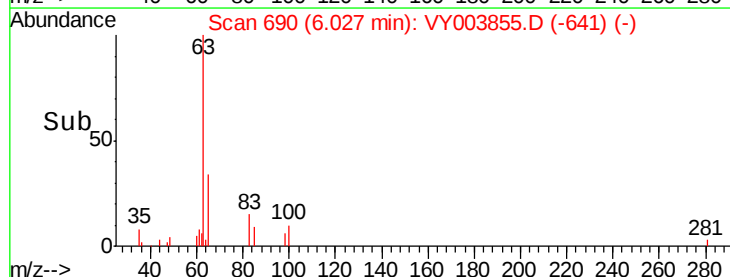
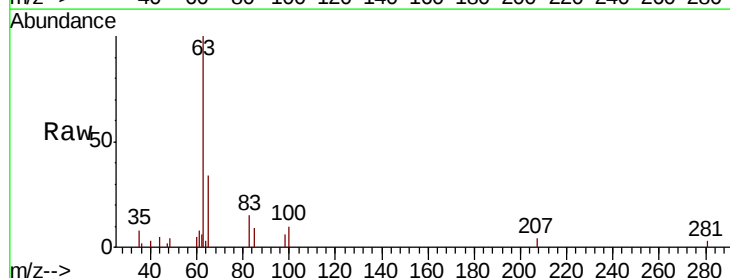
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

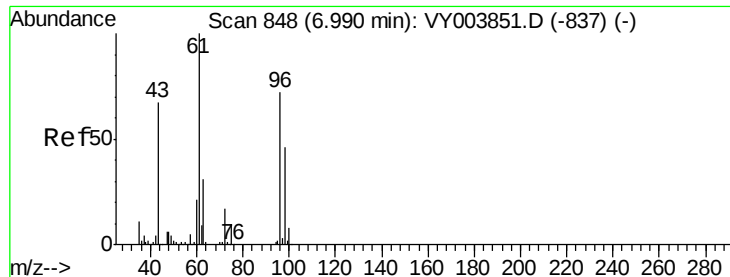
Tot Ion: 73 Resp: 10517
Ion Ratio Lower Upper
73 100
43 2.1 18.4 27.6#
57 22.4 17.6 26.4



#19
1,1-Dichloroethane
Concen: 1.213 ug/L
RT: 6.03 min Scan# 690
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Tgt Ion: 63 Resp: 10266
Ion Ratio Lower Upper
63 100
65 34.5 21.9 40.7
83 14.8 8.7 16.1

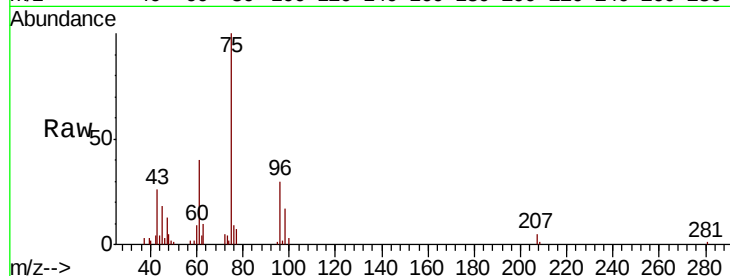




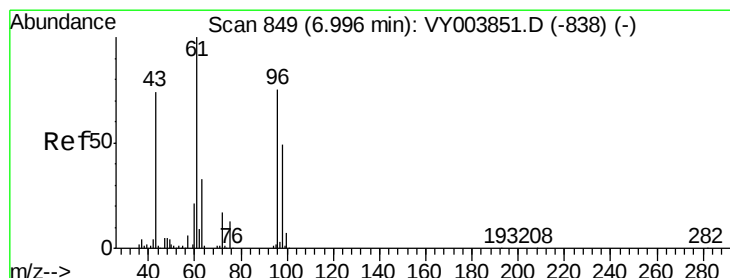
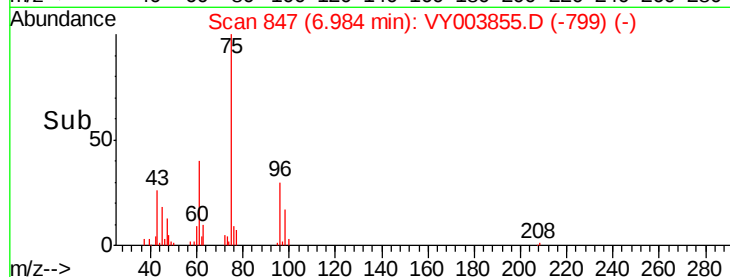
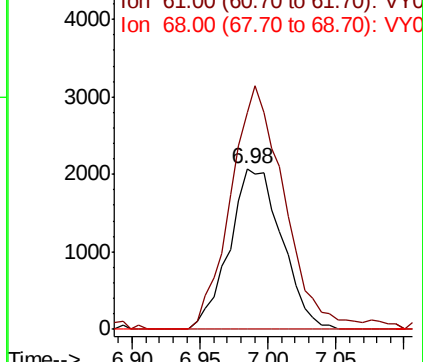
#20
 cis-1,2-Dichloroethene
 Concen: 1.102 ug/L
 RT: 6.98 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

Tot Ion: 96 Resp: 5579
 Ion Ratio Lower Upper
 96 100
 61 134.5 90.6 168.3
 68 0.0 0.0 0.0

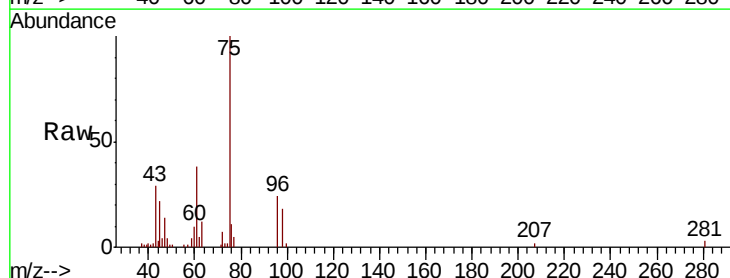


Abundance Ion 96.00 (95.70 to 96.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 68.00 (67.70 to 68.70): VY0

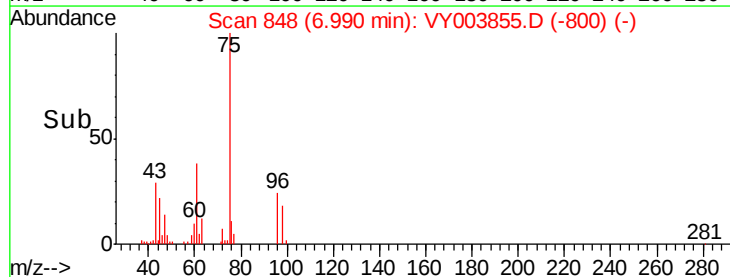
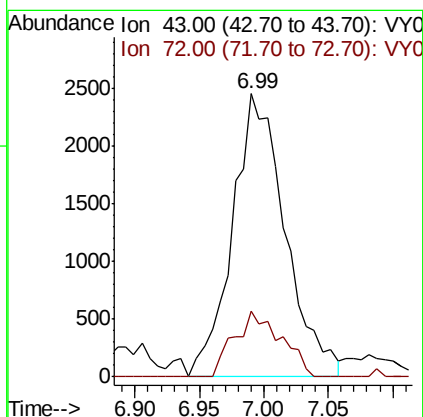


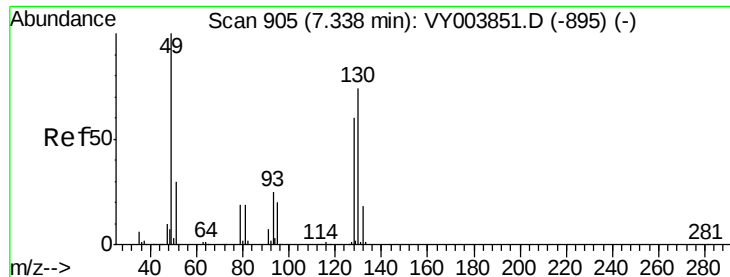
#22
 2-Butanone
 Concen: 2.868 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Tgt Ion: 43 Resp: 6965
 Ion Ratio Lower Upper
 43 100
 72 14.4 12.6 37.8



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 72.00 (71.70 to 72.70): VY0





#23

Bromochloromethane

Concen: 1.098 ug/L

RT: 7.34 min Scan# 905

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion:128 Resp: 2750

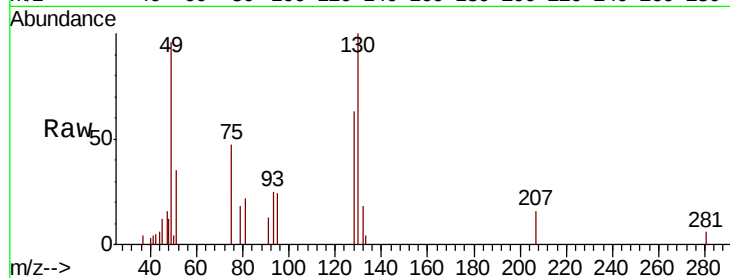
Ion Ratio Lower Upper

128 100

49 152.2 114.4 212.4

130 158.9 88.8 164.8

51 55.9 41.0 61.6

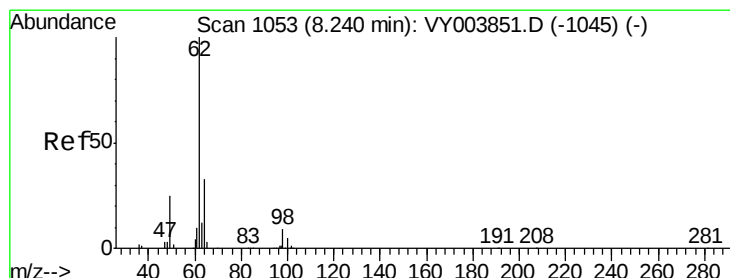
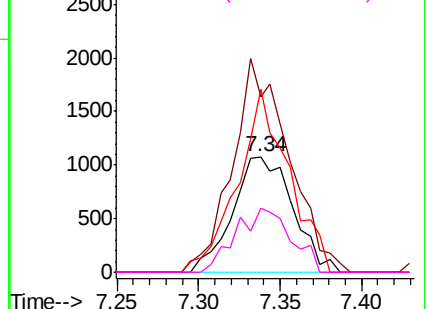
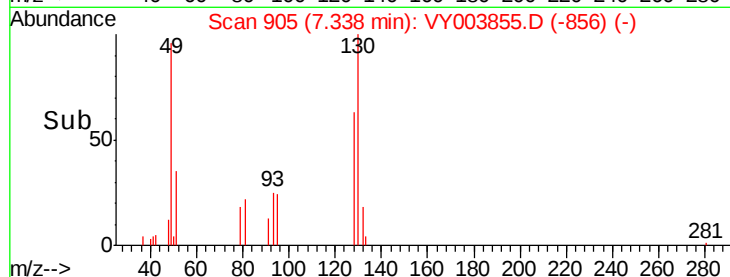


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VY0



#27

1,2-Dichloroethane

Concen: 1.213 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VY003855.D

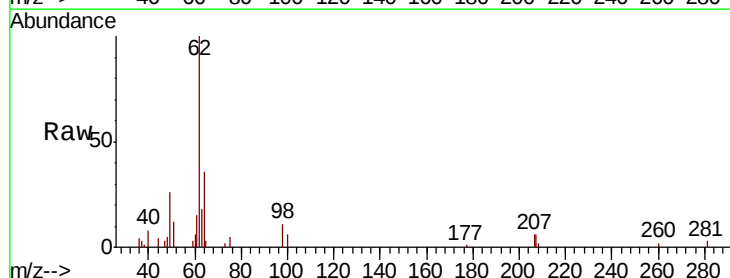
Acq: 29 Dec 2020 16:44

Tgt Ion: 62 Resp: 8362

Ion Ratio Lower Upper

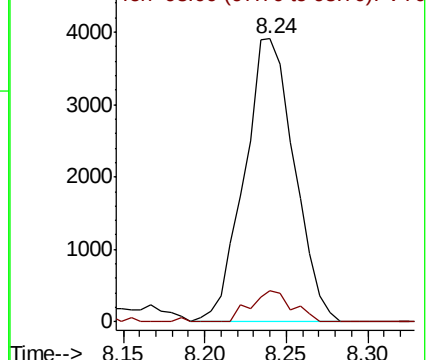
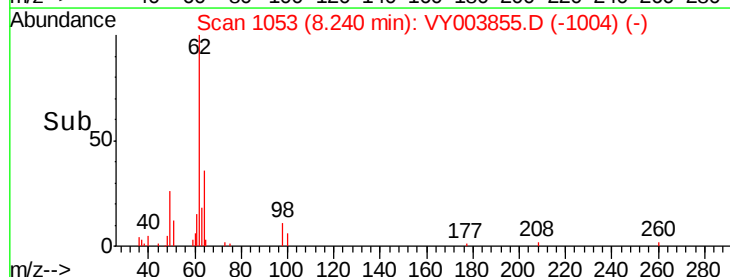
62 100

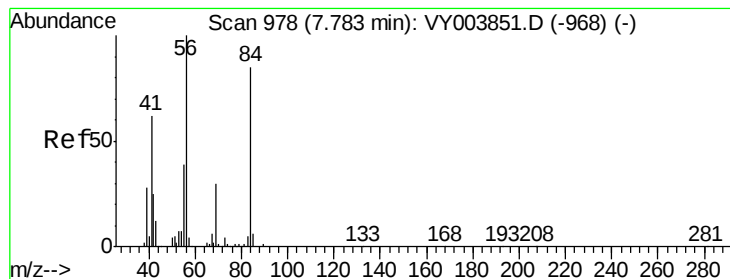
98 11.1 6.8 10.2#



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#29

Cyclohexane

Concen: 1.127 ug/L

RT: 7.78 min Scan# 978

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

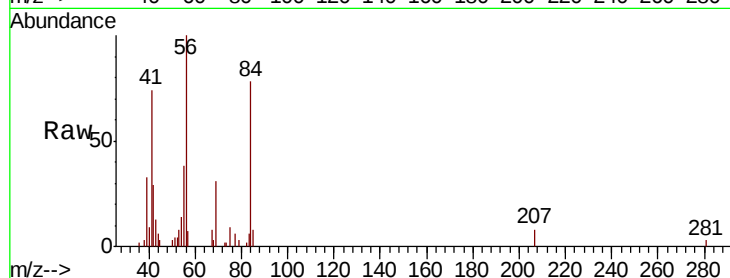
Tot Ion: 56 Resp: 9114

Ion Ratio Lower Upper

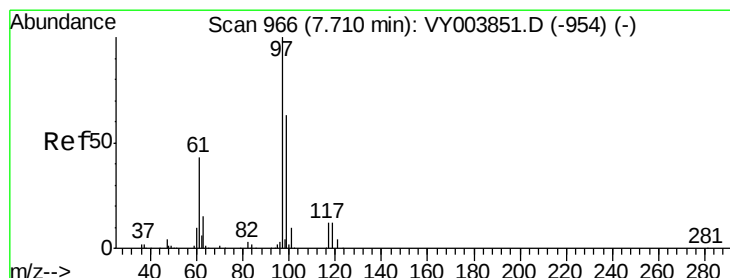
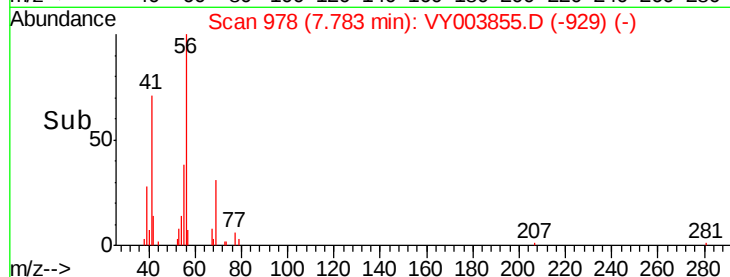
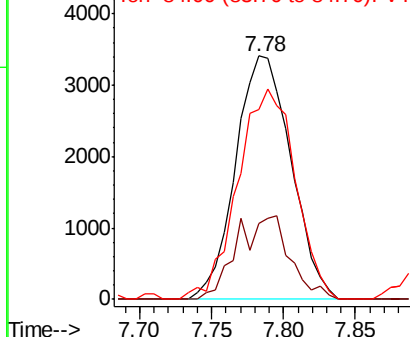
56 100

69 20.6 24.2 36.2#

84 88.3 68.7 103.1



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



#30

1,1,1-Trichloroethane

Concen: 1.185 ug/L

RT: 7.71 min Scan# 966

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

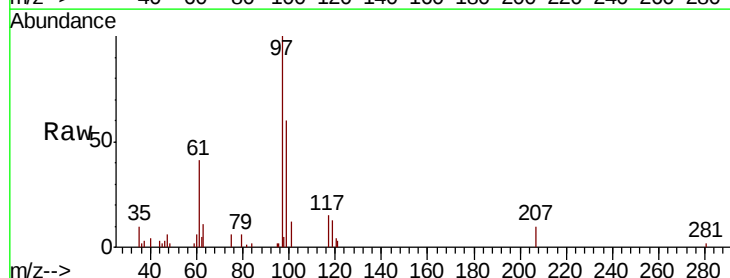
Tgt Ion: 97 Resp: 9839

Ion Ratio Lower Upper

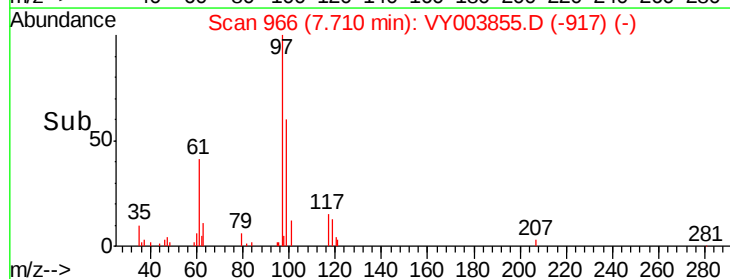
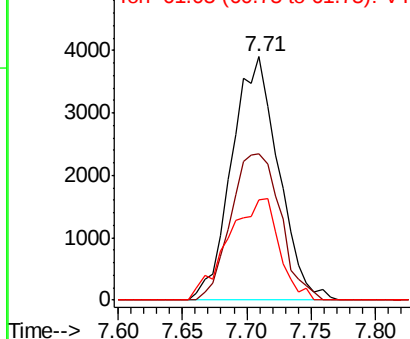
97 100

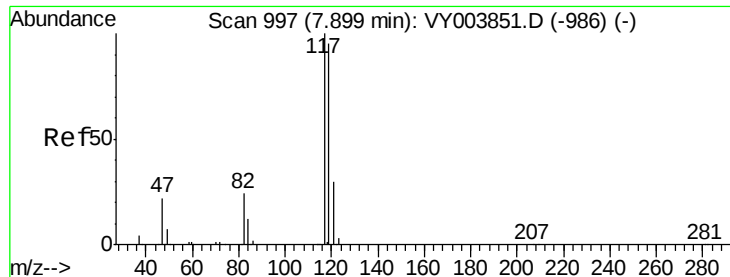
99 63.9 50.5 75.7

61 25.7 35.5 53.3#



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.05 (60.75 to 61.75): VY0





#31

Carbon tetrachloride

Concen: 1.149 ug/L

RT: 7.90 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

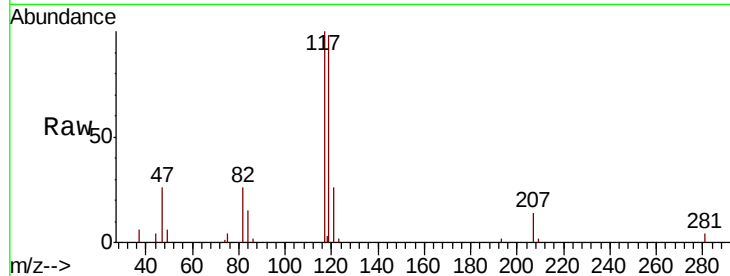
MDL-SOIL-01

Tot Ion:117 Resp: 8828

Ion Ratio Lower Upper

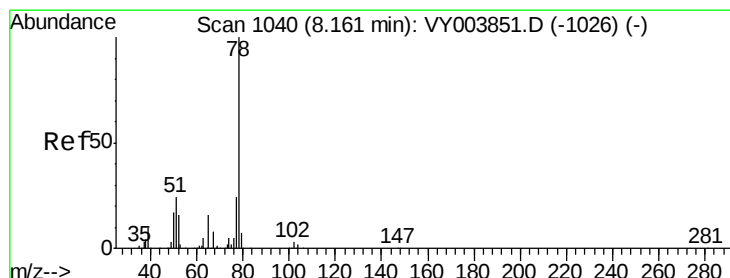
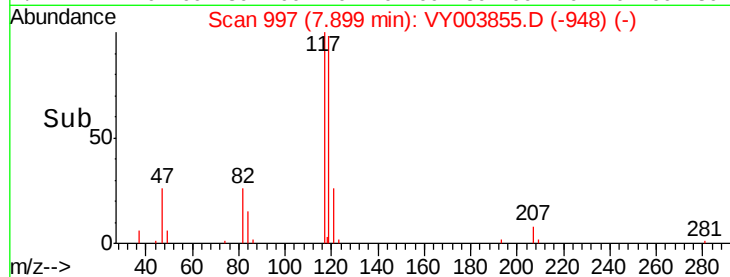
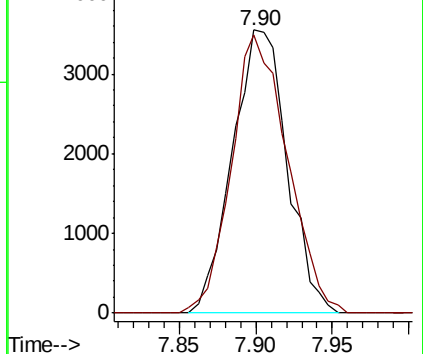
117 100

119 100.8 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 1.191 ug/L

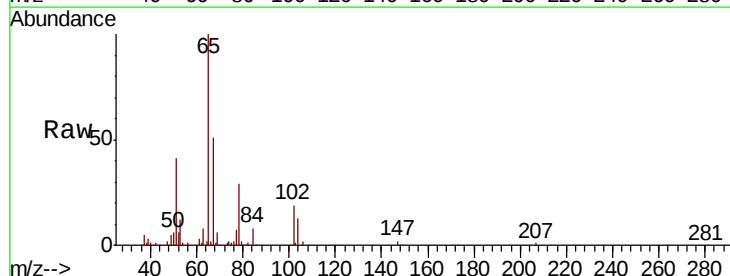
RT: 8.16 min Scan# 1040

Delta R.T. 0.00 min

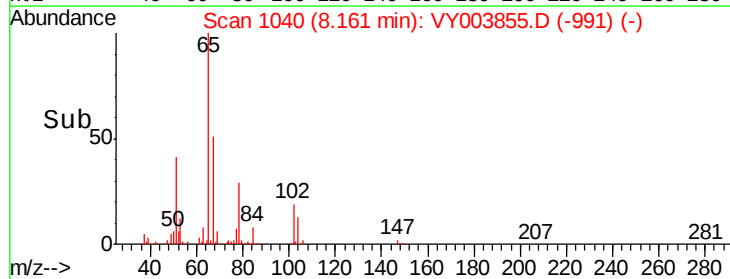
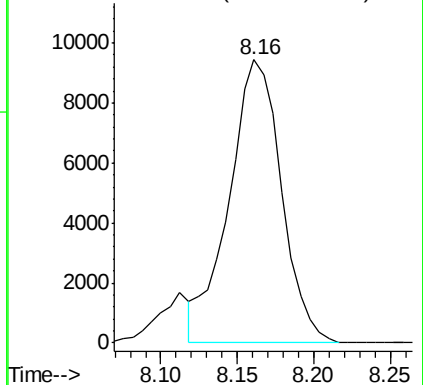
Lab File: VY003855.D

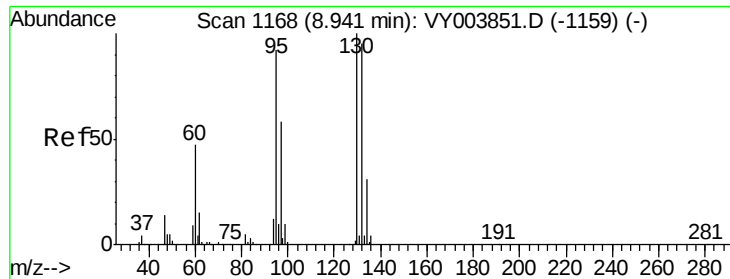
Acq: 29 Dec 2020 16:44

Tgt Ion: 78 Resp: 22458



Abundance Ion 78.00 (77.70 to 78.70): VY0

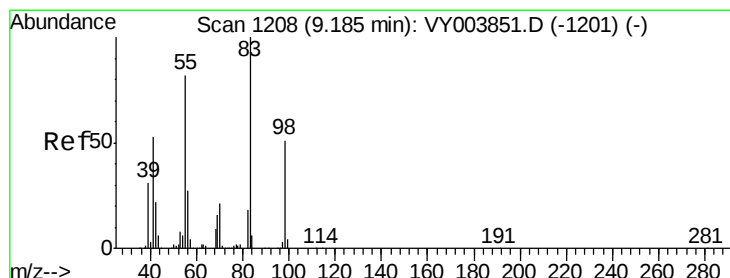
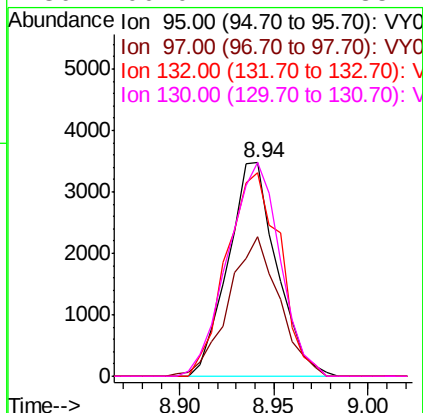
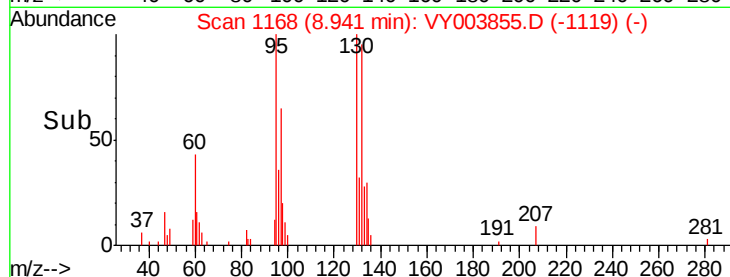
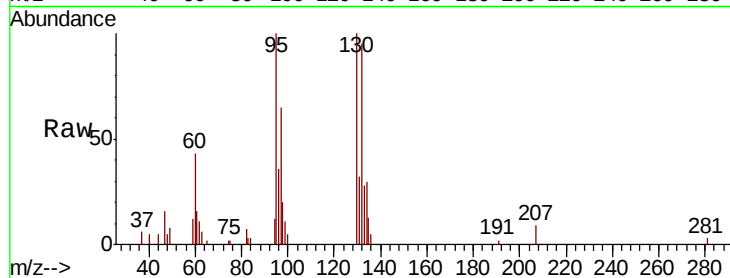




#34
 Trichloroethene
 Concen: 1.197 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

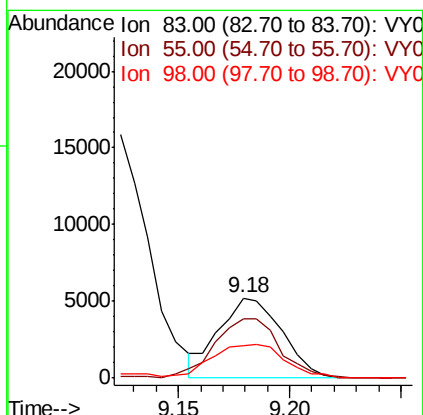
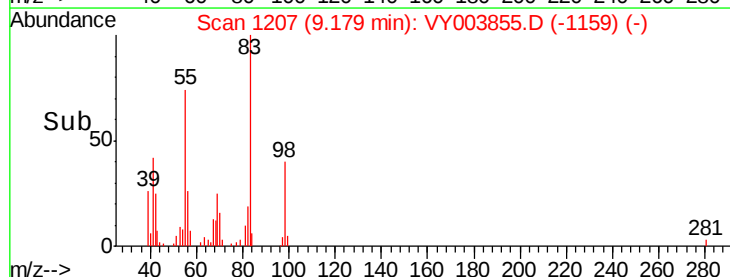
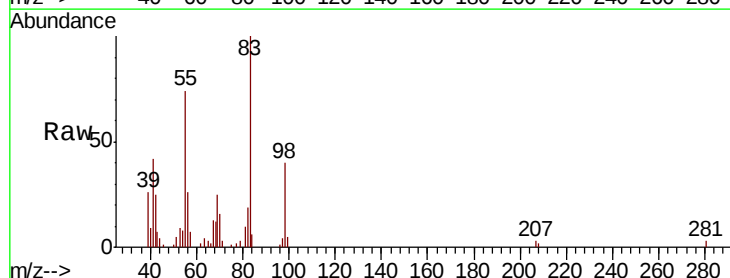
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL-SOIL-01

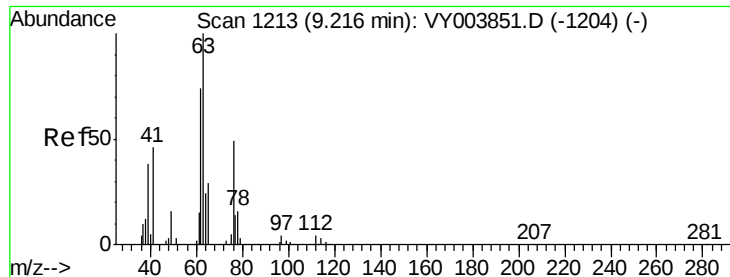
Tot Ion: 95 Resp: 6241
 Ion Ratio Lower Upper
 95 100
 97 65.1 44.4 82.5
 132 95.2 71.8 133.4
 130 100.0 74.4 138.2



#35
 Methylcyclohexane
 Concen: 1.208 ug/L
 RT: 9.18 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Tgt Ion: 83 Resp: 10251
 Ion Ratio Lower Upper
 83 100
 55 76.5 62.9 94.3
 98 48.8 39.7 59.5

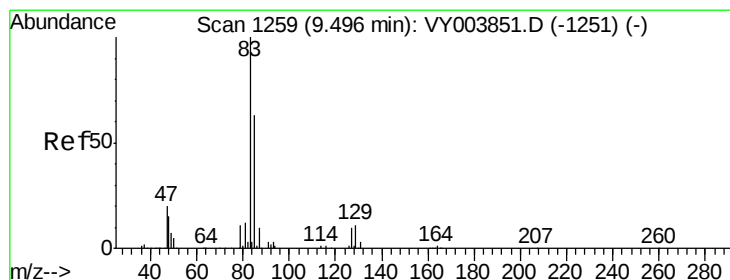
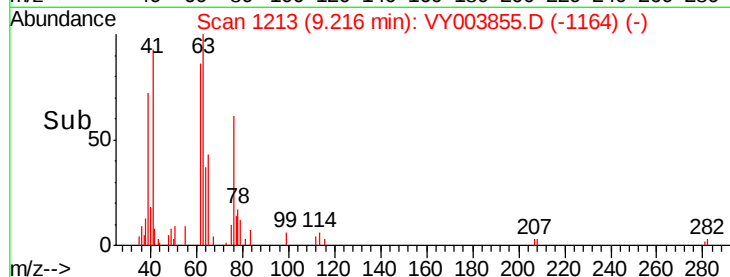
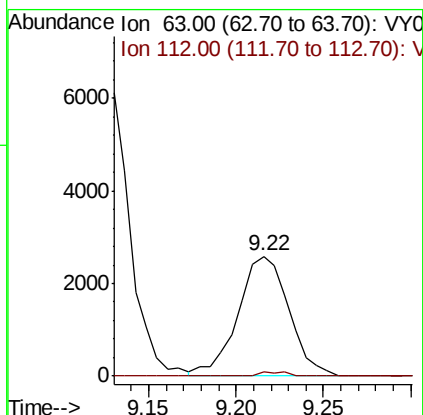
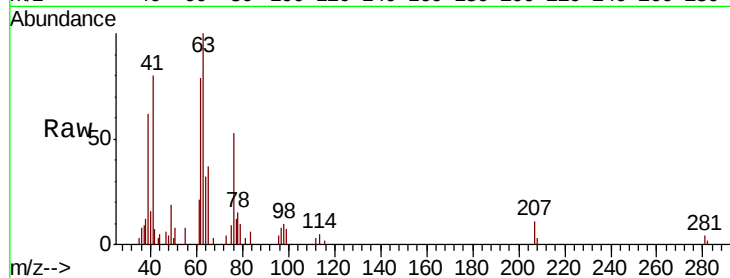




#37
 1,2-Dichloropropane
 Concen: 1.091 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

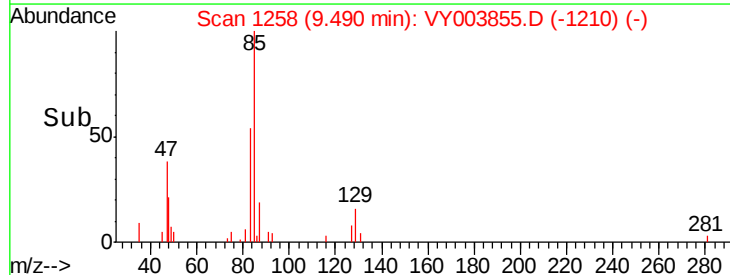
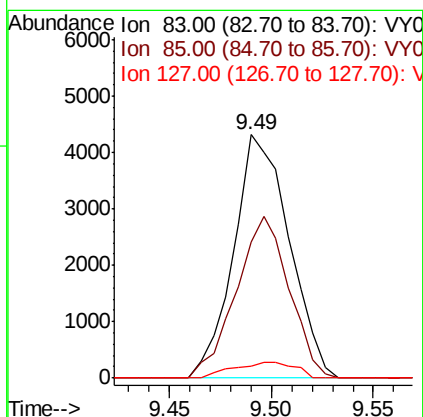
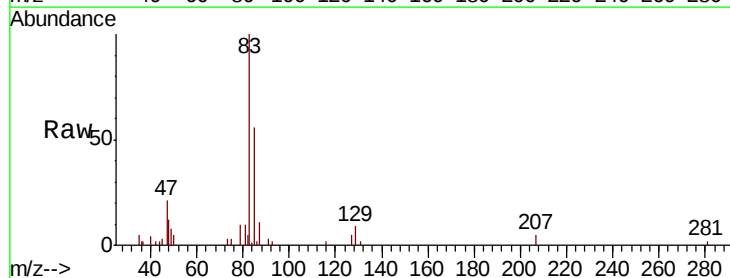
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

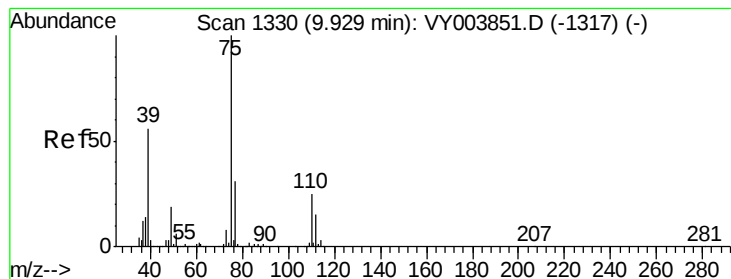
Tot Ion: 63 Resp: 5237
 Ion Ratio Lower Upper
 63 100
 112 1.7 3.7 5.5#



#38
 Bromodichloromethane
 Concen: 1.207 ug/L
 RT: 9.49 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Tgt Ion: 83 Resp: 8163
 Ion Ratio Lower Upper
 83 100
 85 55.9 44.2 82.0
 127 4.6 7.3 10.9#





#39

cis-1,3-Dichloropropene

Concen: 1.067 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampled :

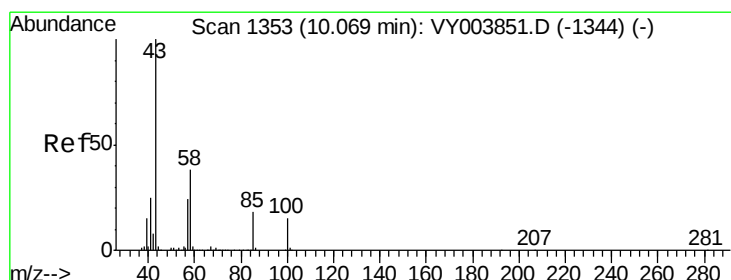
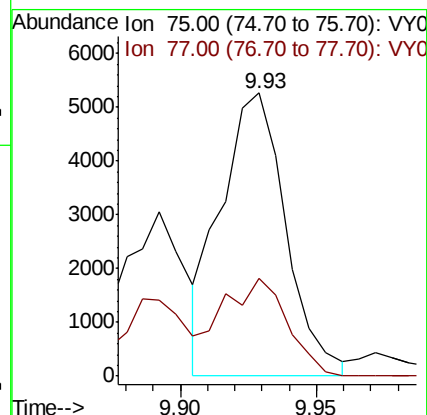
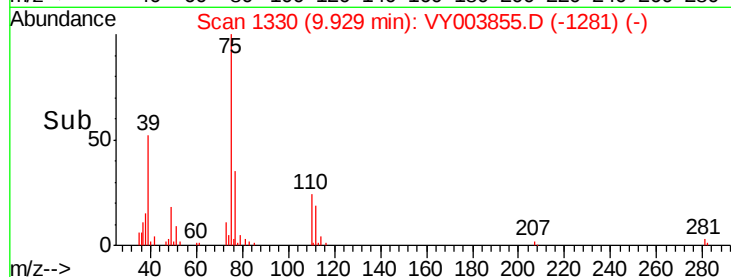
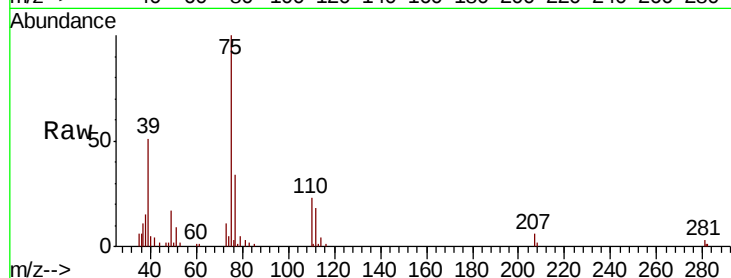
MDL-SOIL-01

Tot Ion: 75 Resp: 8755

Ion Ratio Lower Upper

75 100

77 34.5 23.0 42.6



#40

4-Methyl-2-pentanone

Concen: 2.358 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

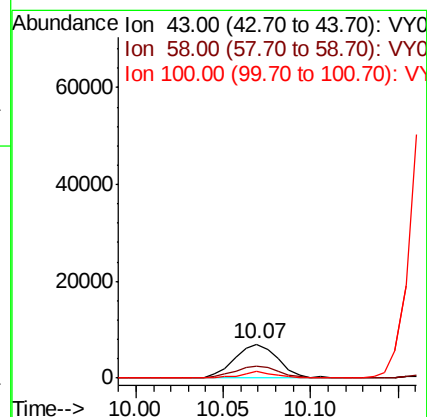
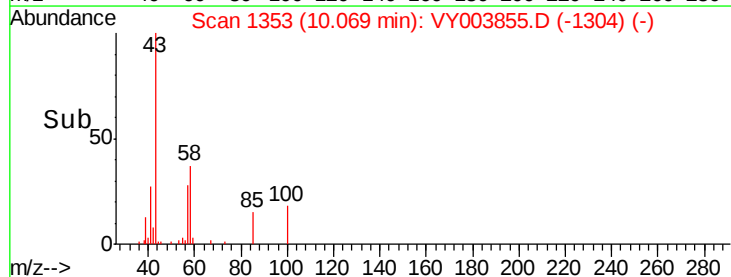
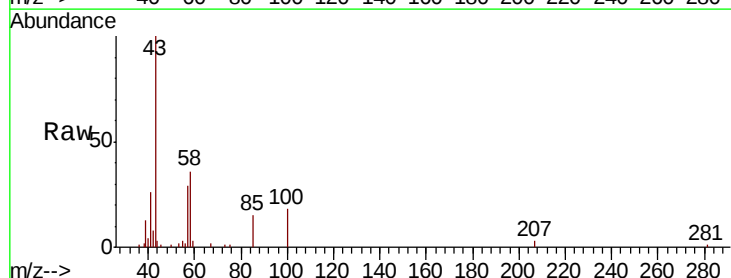
Tgt Ion: 43 Resp: 12090

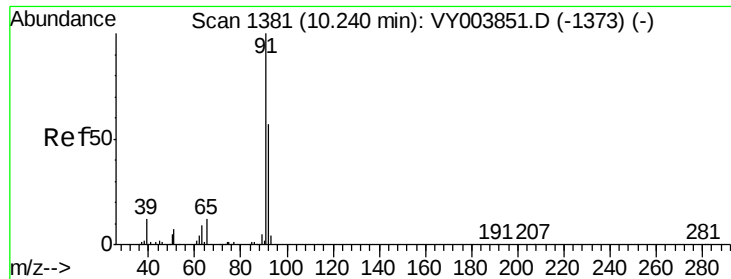
Ion Ratio Lower Upper

43 100

58 36.0 29.6 44.4

100 14.2 11.8 17.6





#42

Toluene

Concen: 1.178 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

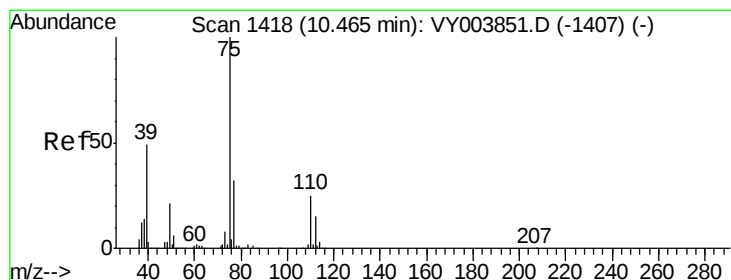
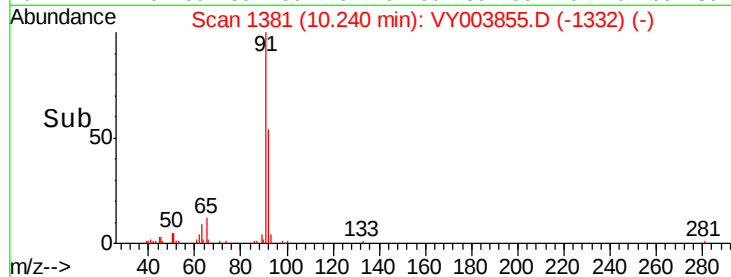
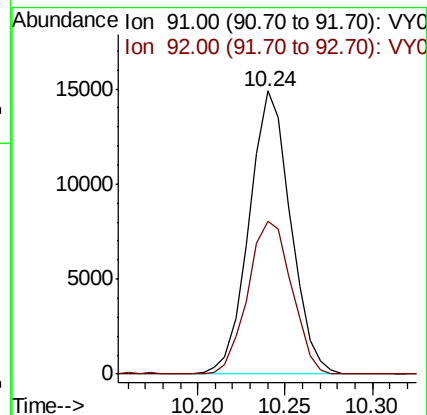
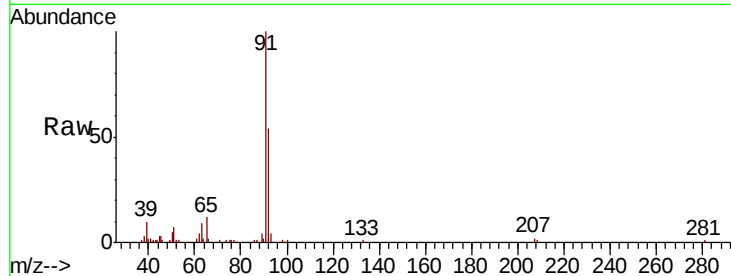
MDL-SOIL-01

Tot Ion: 91 Resp: 24586

Ion Ratio Lower Upper

91 100

92 54.1 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 1.168 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003855.D

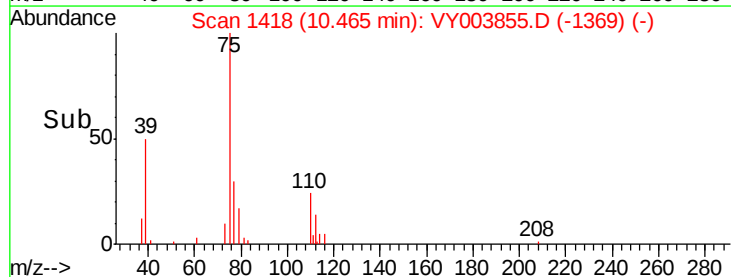
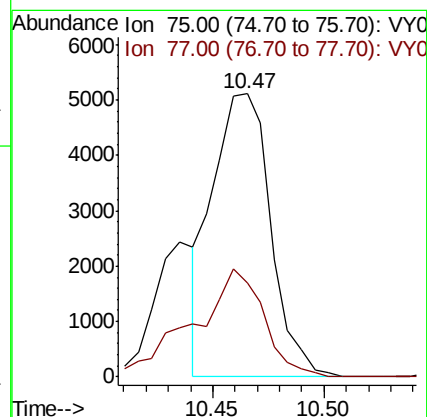
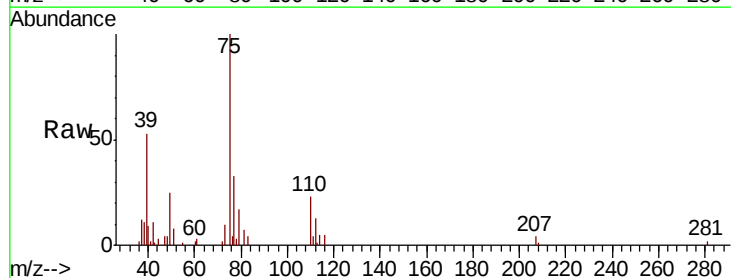
Acq: 29 Dec 2020 16:44

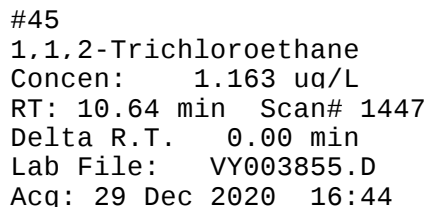
Tgt Ion: 75 Resp: 9246

Ion Ratio Lower Upper

75 100

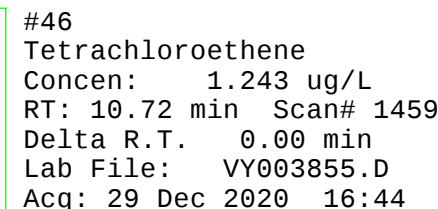
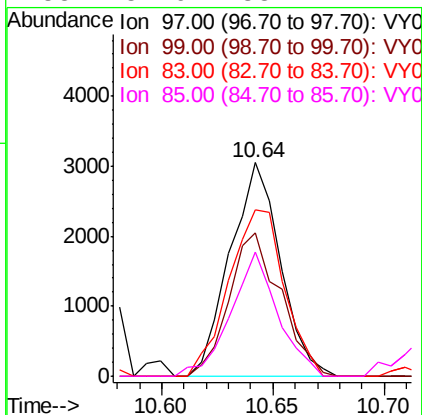
77 33.2 21.9 40.7



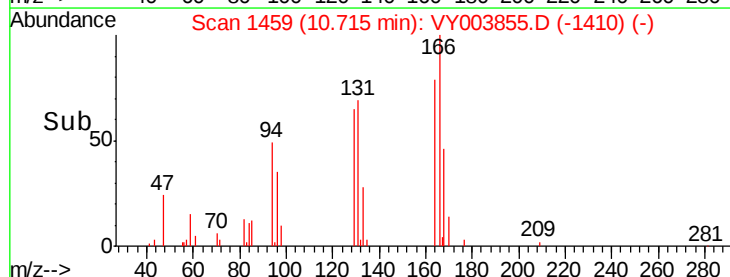
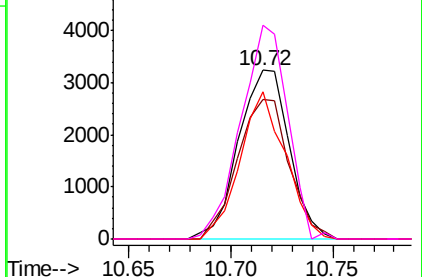
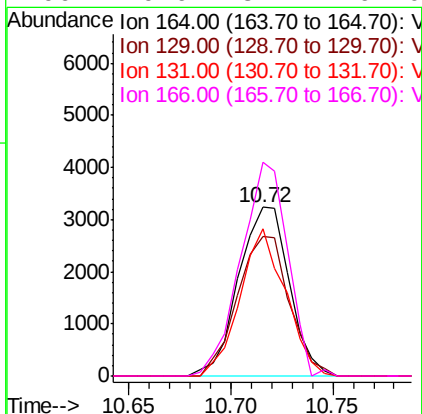


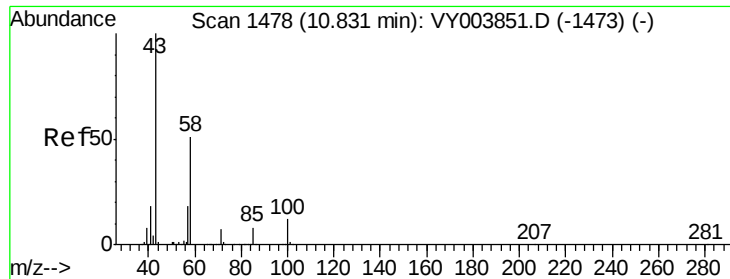
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

Tat	Ion: 97	Resp:	4795
Ion	Ratio	Lower	Upper
97	100		
99	67.0	46.0	85.4
83	78.2	60.8	112.8
85	57.9	38.4	71.2



Tgt	Ion:164	Resp:	5605
Ion	Ratio	Lower	Upper
164	100		
129	82.6	62.5	116.1
131	86.9	60.7	112.7
166	126.6	87.2	162.0

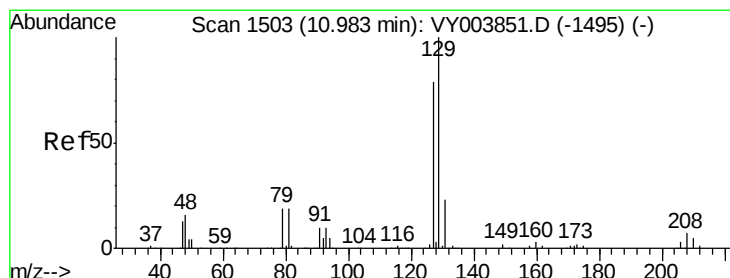
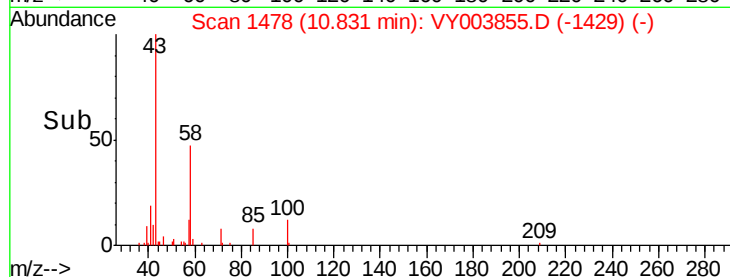
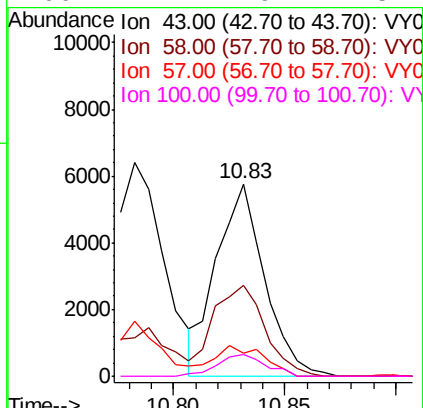
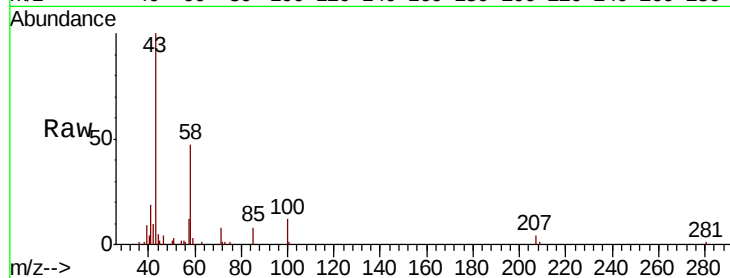




#48
2-Hexanone
Concen: 2.327 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

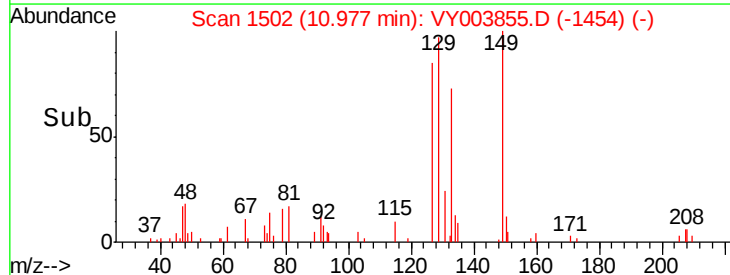
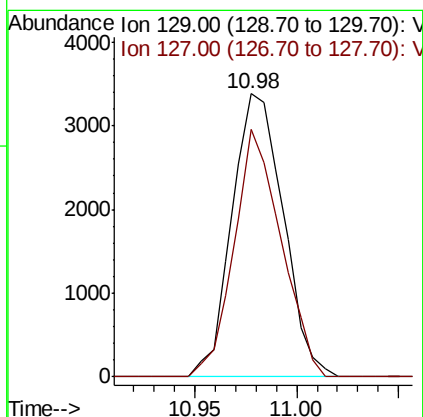
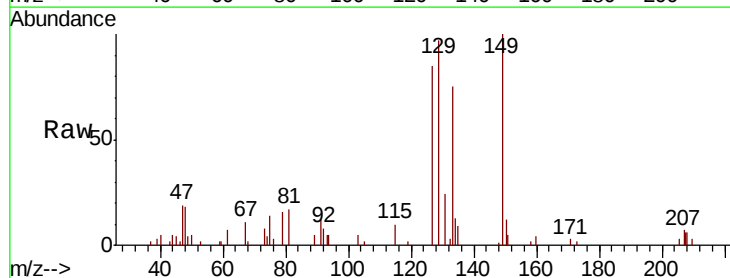
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

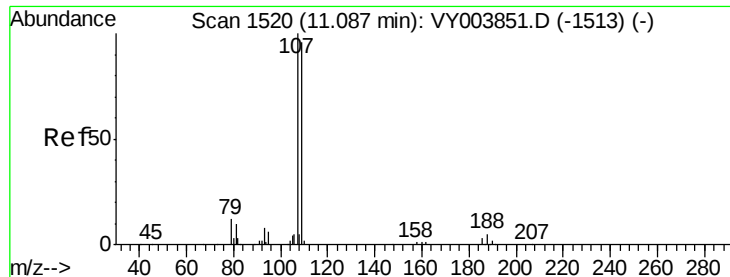
Tot Ion: 43 Resp: 8690
Ion Ratio Lower Upper
43 100
58 50.6 40.6 60.8
57 16.7 14.5 21.7
100 11.4 9.1 13.7



#49
Dibromochloromethane
Concen: 1.131 ug/L
RT: 10.98 min Scan# 1502
Delta R.T. -0.01 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Tgt Ion: 129 Resp: 5907
Ion Ratio Lower Upper
129 100
127 87.3 52.7 97.9

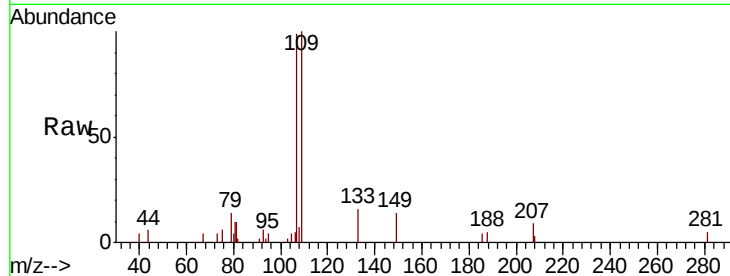




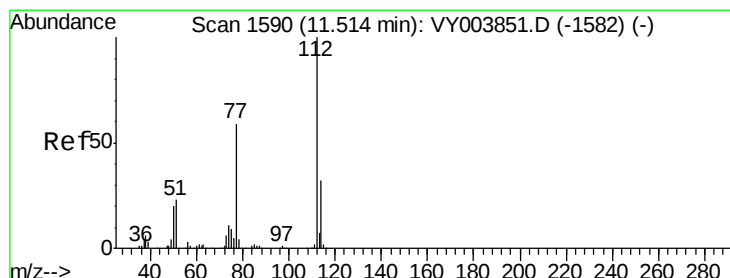
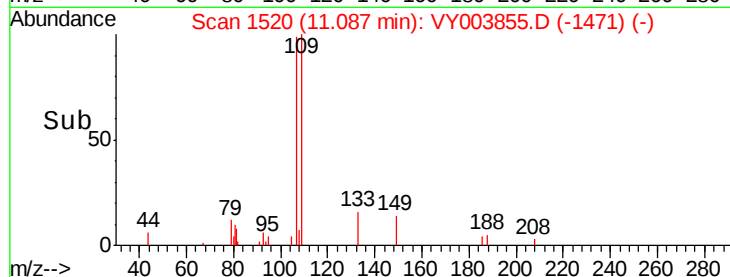
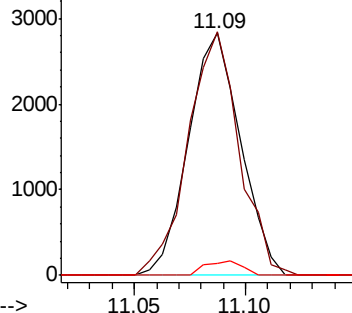
#50
1,2-Dibromoethane
Concen: 1.134 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

Tot Ion:107 Resp: 4618
Ion Ratio Lower Upper
107 100
109 100.7 65.5 121.7
188 5.2 3.6 5.4

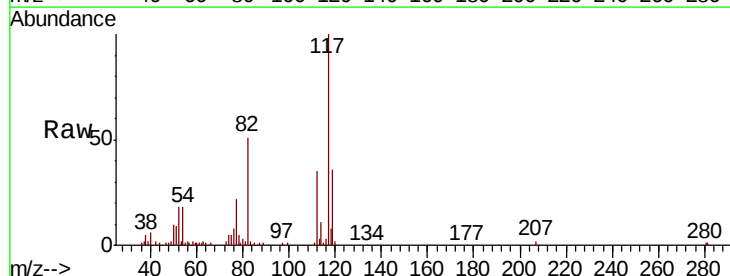


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

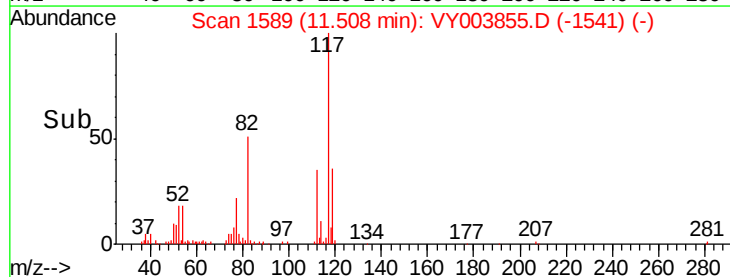
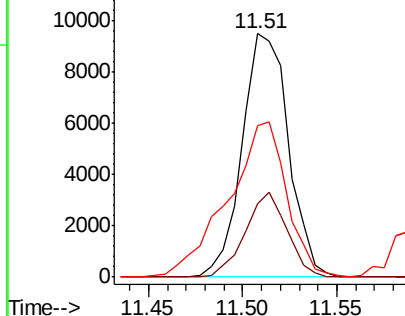


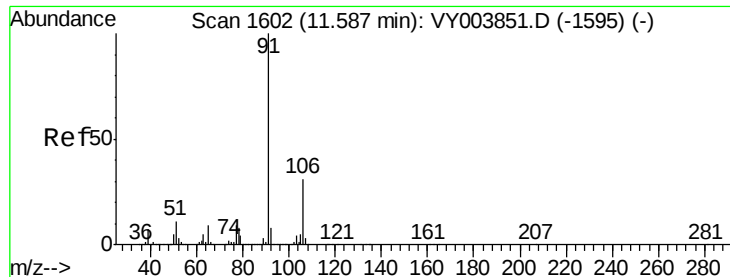
#51
Chlorobenzene
Concen: 1.203 ug/L
RT: 11.51 min Scan# 1589
Delta R.T. -0.01 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Tgt Ion:112 Resp: 16229
Ion Ratio Lower Upper
112 100
114 30.3 22.5 41.9
77 62.3 45.2 67.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VY0





#52

Ethylbenzene

Concen: 1.146 ug/L

RT: 11.59 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

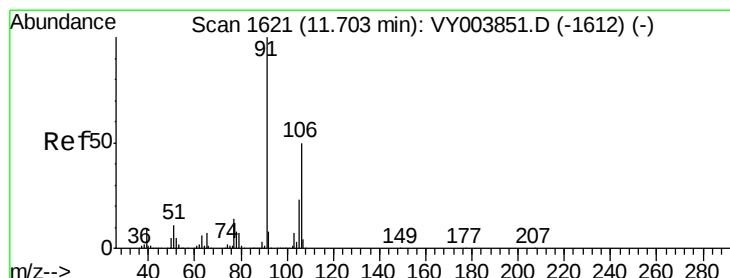
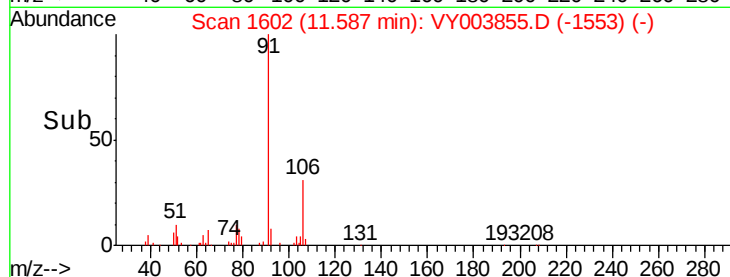
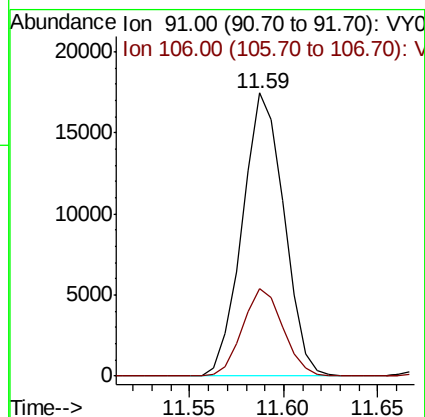
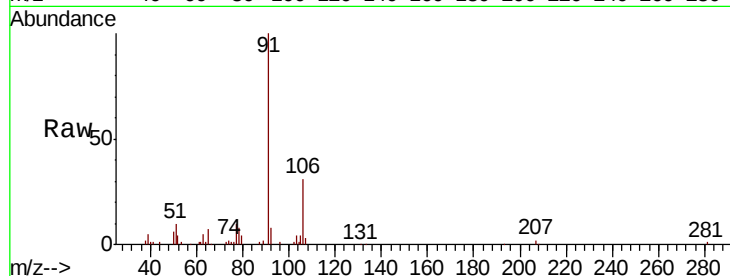
MDL-SOIL-01

Tot Ion: 91 Resp: 26791

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



#53

m,p-Xylene

Concen: 1.159 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003855.D

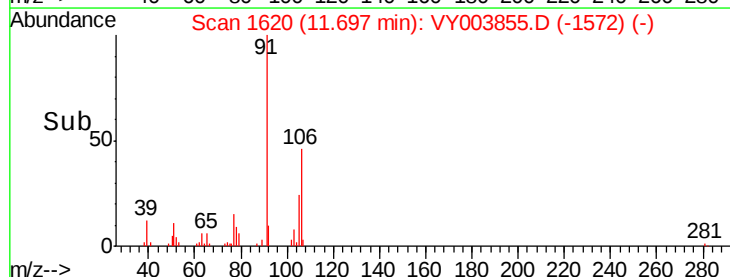
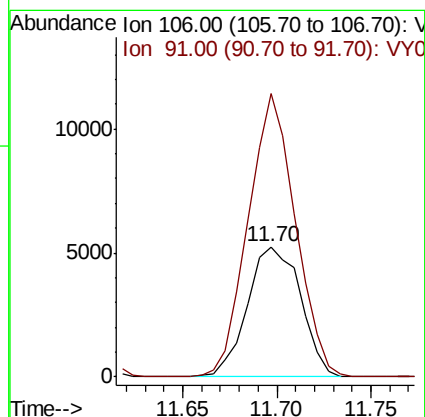
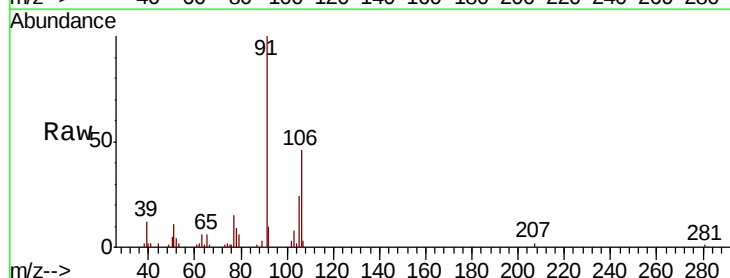
Acq: 29 Dec 2020 16:44

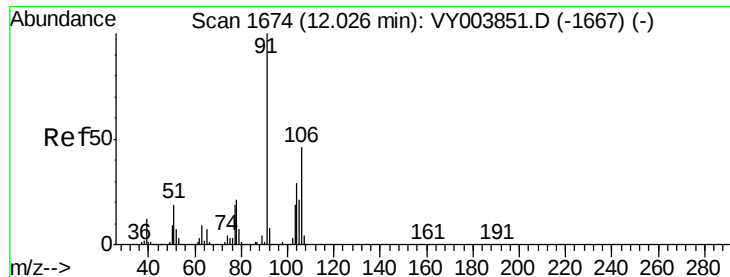
Tgt Ion: 106 Resp: 10270

Ion Ratio Lower Upper

106 100

91 217.6 146.3 271.7

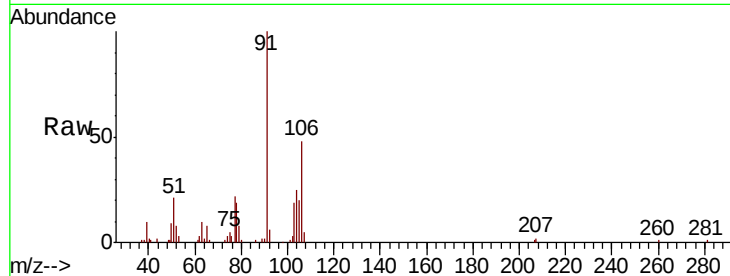




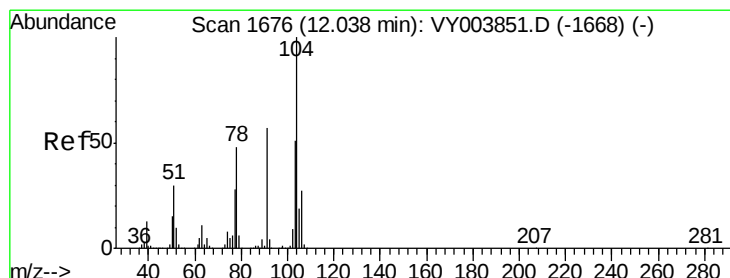
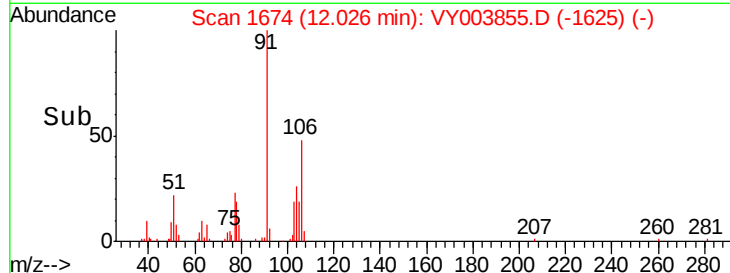
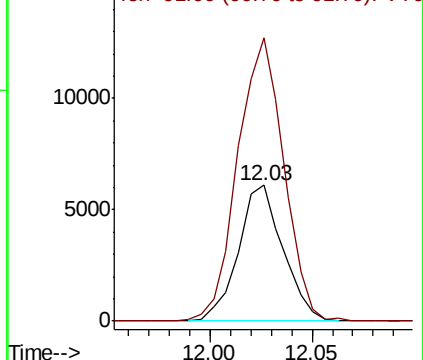
#54
o-Xylene
Concen: 1.075 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

Tot Ion:106 Resp: 9277
Ion Ratio Lower Upper
106 100
91 208.4 147.7 274.3

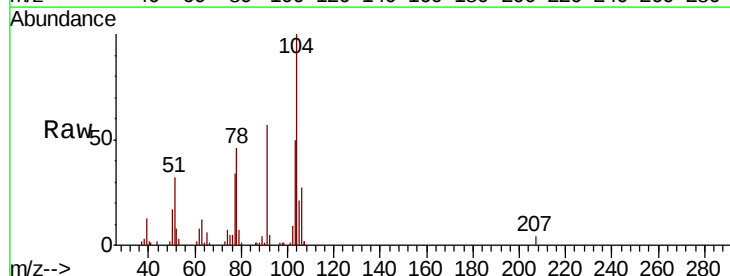


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

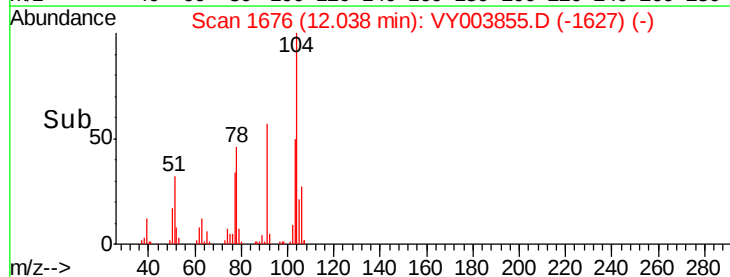
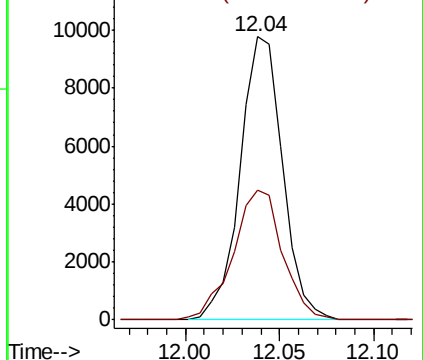


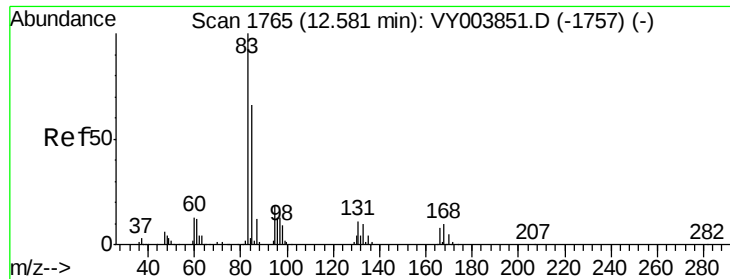
#55
Styrene
Concen: 1.026 ug/L
RT: 12.04 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Tgt Ion:104 Resp: 15316
Ion Ratio Lower Upper
104 100
78 45.8 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0





#57

1,1,2,2-Tetrachloroethane

Concen: 1.265 ug/L

RT: 12.57 min Scan# 1764

Delta R.T. -0.01 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

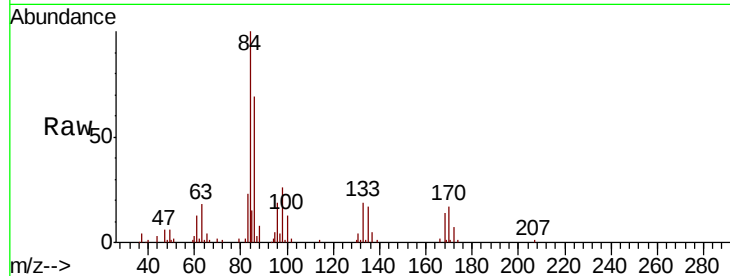
Tot Ion: 83 Resp: 6173

Ion Ratio Lower Upper

83 100

85 65.4 44.9 83.3

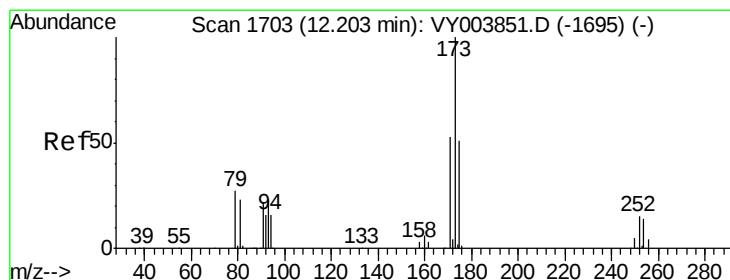
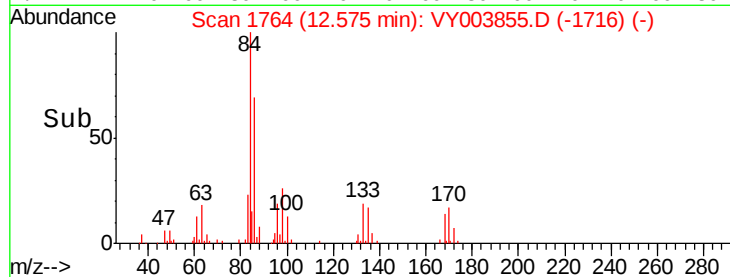
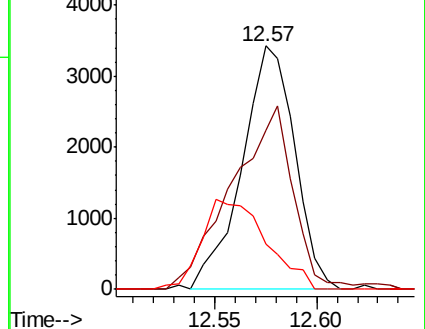
131 21.2 9.0 13.6#



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0

Ion 131.00 (130.70 to 131.70): V



#59

Bromoform

Concen: 1.142 ug/L

RT: 12.20 min Scan# 1703

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

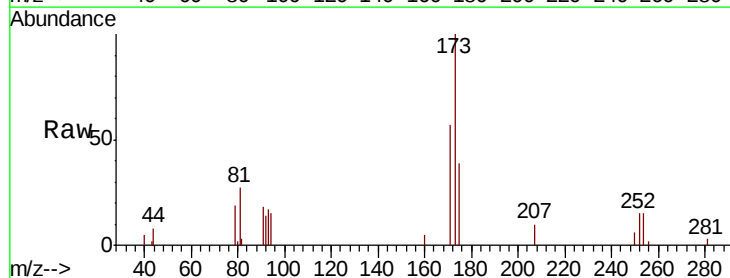
Tgt Ion:173 Resp: 4172

Ion Ratio Lower Upper

173 100

175 0.0 38.9 58.3#

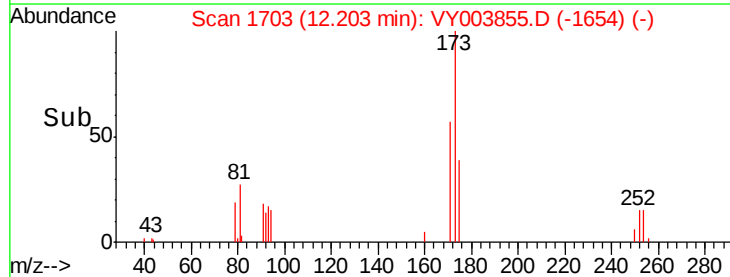
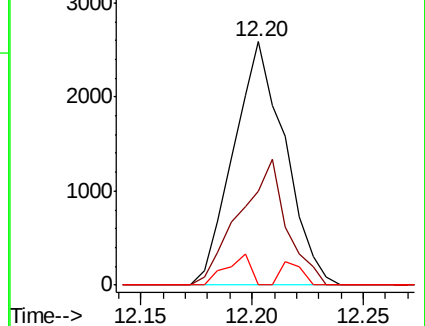
254 5.9 11.5 17.3#

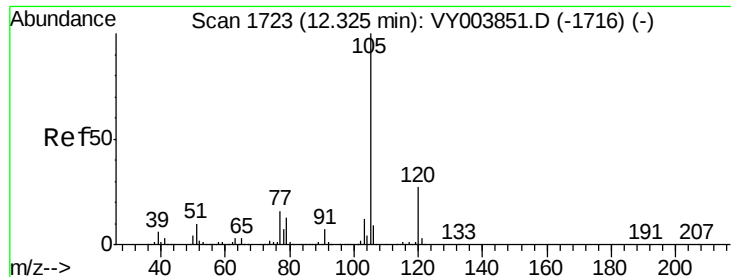


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#60

Isopropylbenzene

Concen: 1.112 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampled :

MDL-SOIL-01

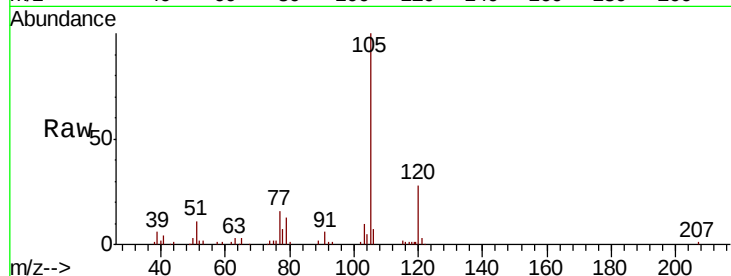
Tot Ion: 105 Resp: 24884

Ion Ratio Lower Upper

105 100

120 28.1 21.7 32.5

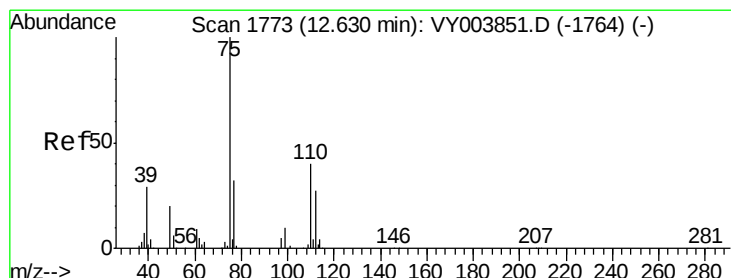
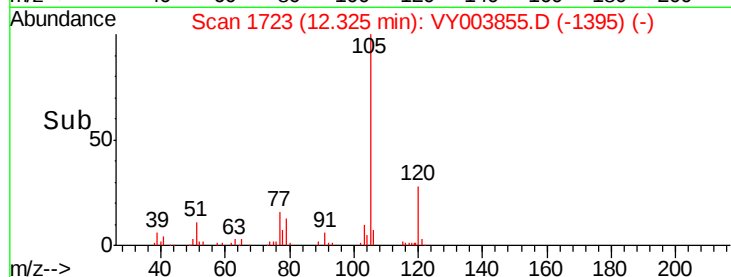
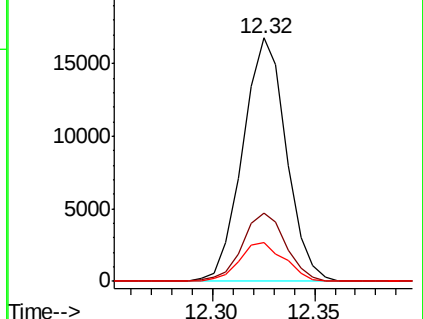
77 16.4 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 1.173 ug/L

RT: 12.64 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

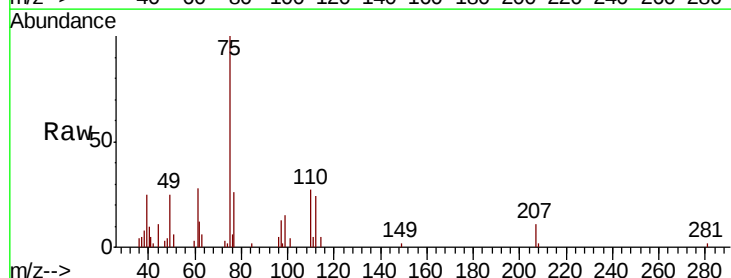
Tgt Ion: 75 Resp: 4877

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.4

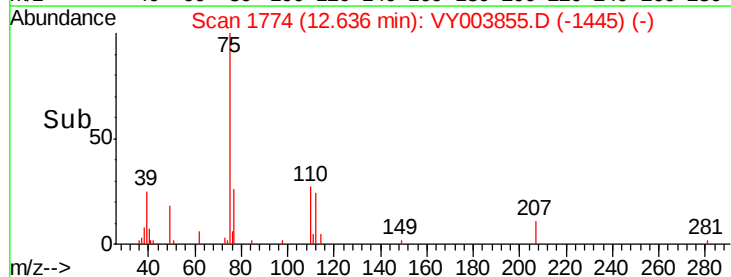
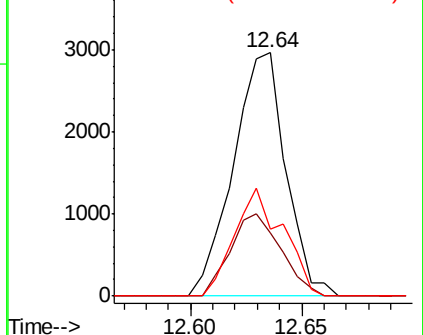
110 40.8 32.4 48.6

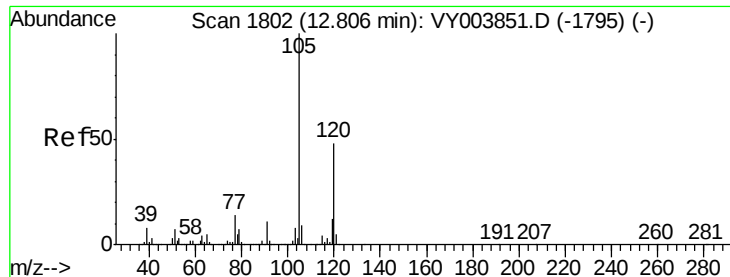


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 1.143 ug/L

RT: 12.81 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

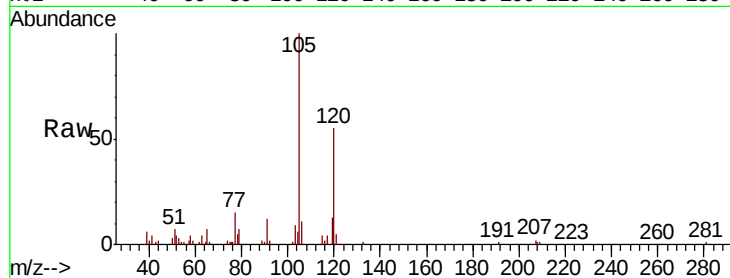
MDL-SOIL-01

Tot Ion:105 Resp: 21254

Ion Ratio Lower Upper

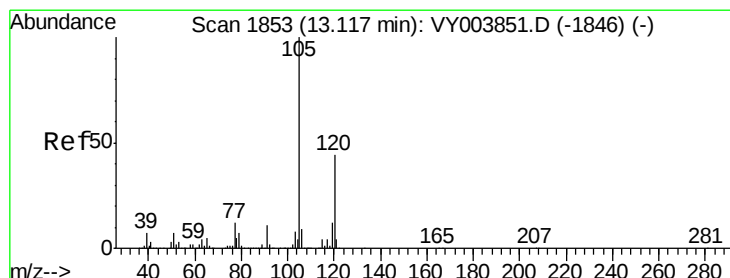
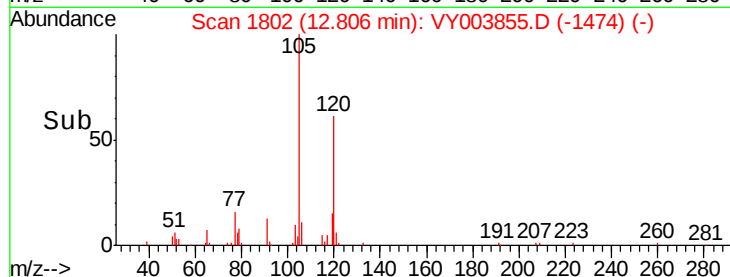
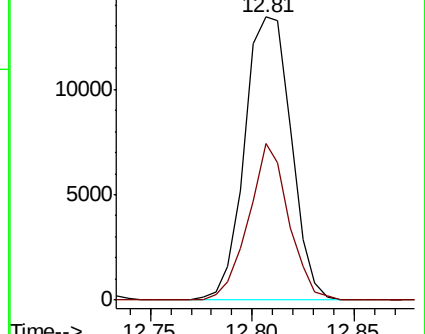
105 100

120 48.0 39.0 58.4



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: 1.143 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003855.D

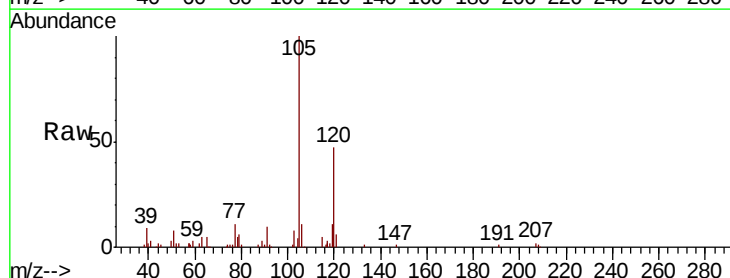
Acq: 29 Dec 2020 16:44

Tgt Ion:105 Resp: 21525

Ion Ratio Lower Upper

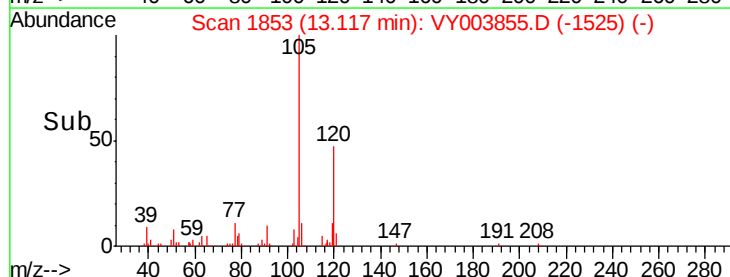
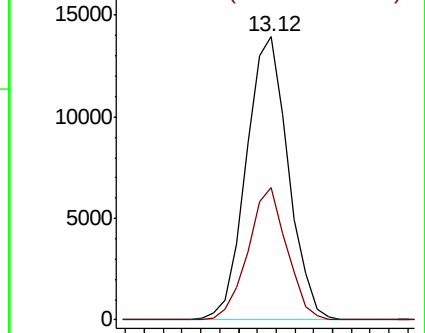
105 100

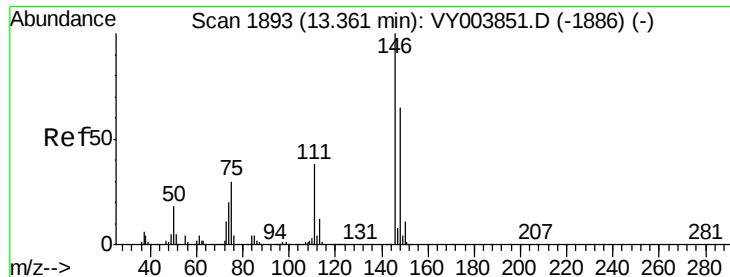
120 43.3 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

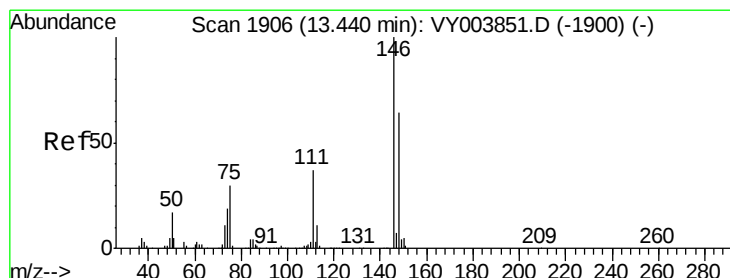
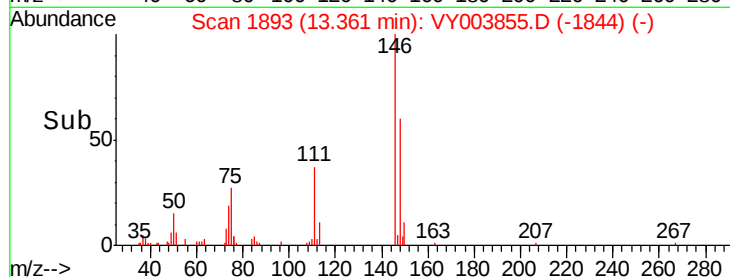
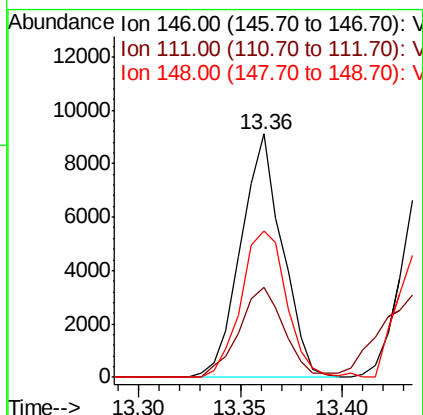
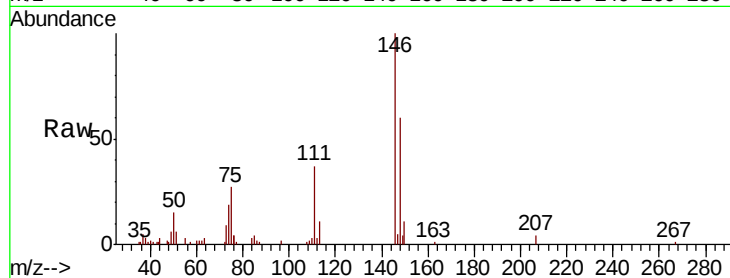




#64
 1,3-Dichlorobenzene
 Concen: 1.187 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

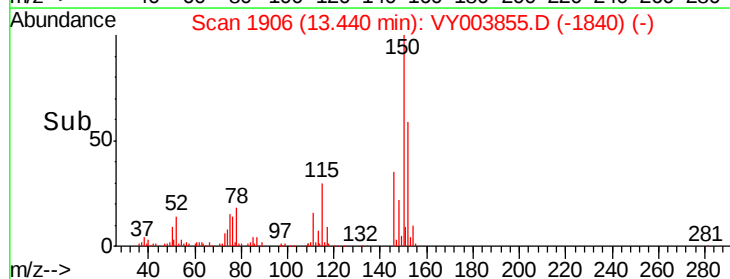
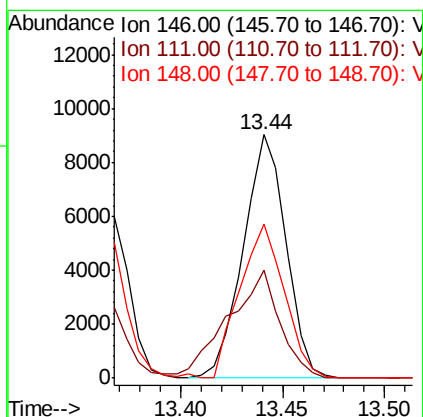
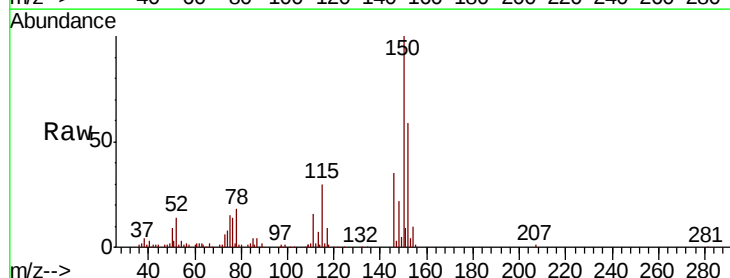
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL-SOIL-01

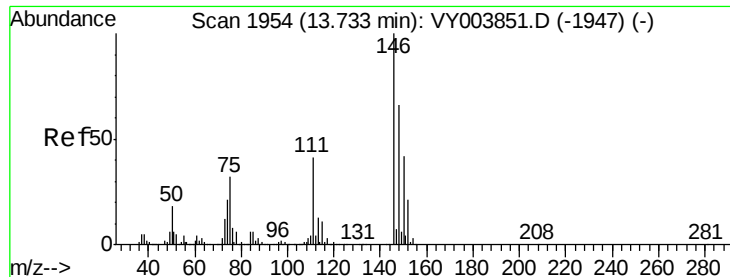
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	27.7	51.5
148	60.0	45.4	84.4



#65
 1,4-Dichlorobenzene
 Concen: 1.199 ug/L
 RT: 13.44 min Scan# 1906
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	25.7	47.7
148	63.4	44.4	82.4

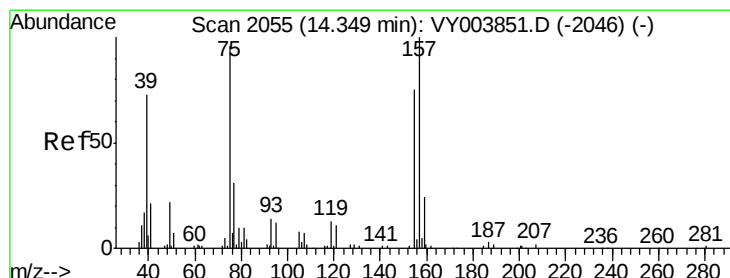
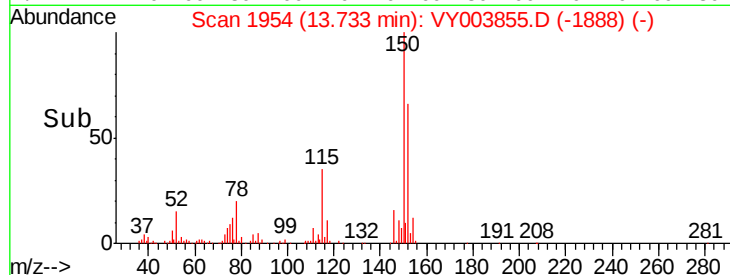
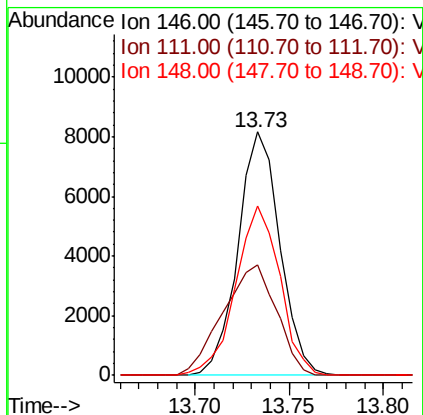
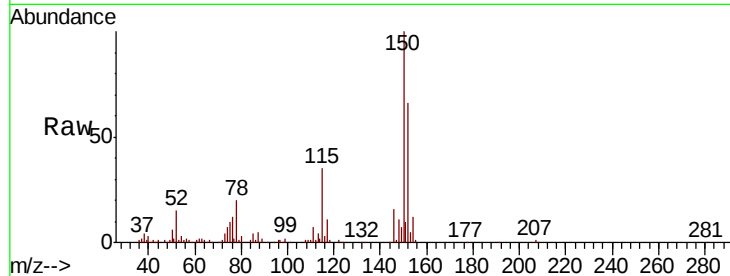




#67
 1,2-Dichlorobenzene
 Concen: 1.241 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

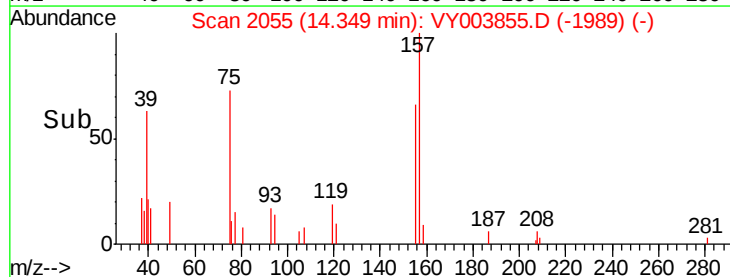
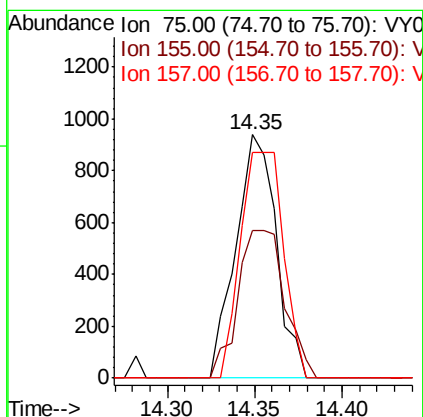
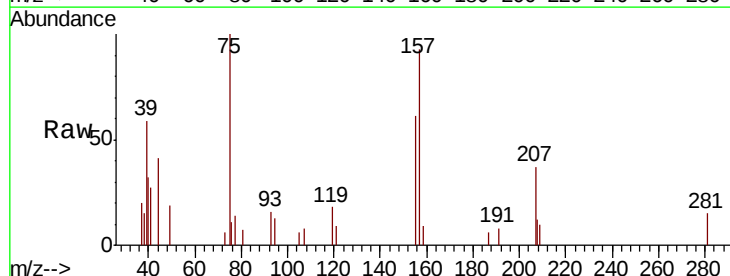
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL-SOIL-01

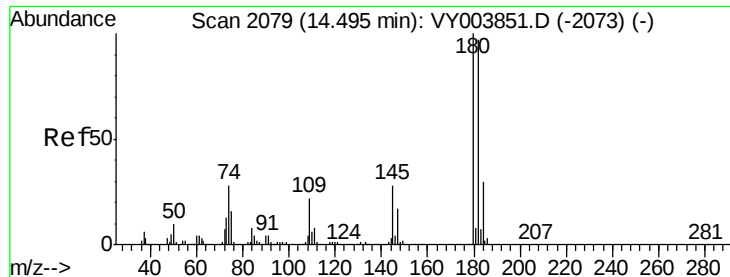
Tot Ion:146 Resp: 12598
 Ion Ratio Lower Upper
 146 100
 111 45.5 31.3 46.9
 148 69.5 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.456 ug/L
 RT: 14.35 min Scan# 2055
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Tgt Ion: 75 Resp: 1505
 Ion Ratio Lower Upper
 75 100
 155 60.9 68.2 102.4#
 157 93.0 90.2 135.4

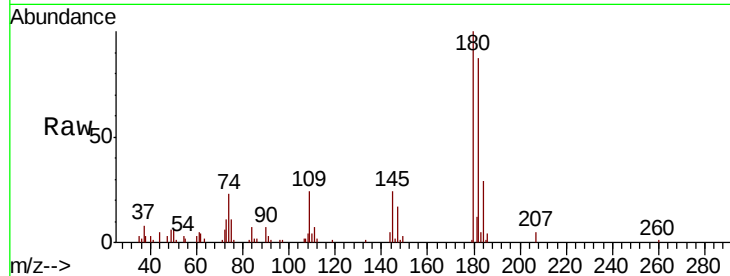




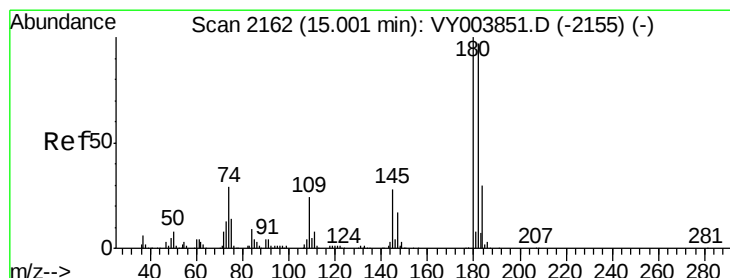
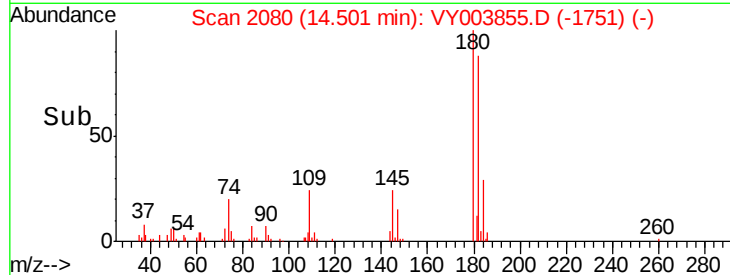
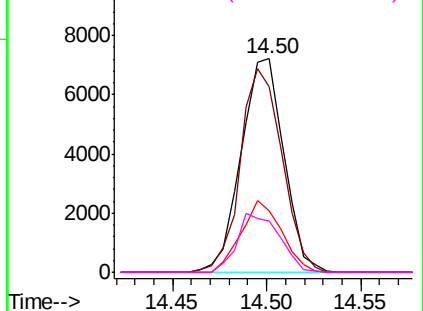
#69
 1,3,5-Trichlorobenzene
 Concen: 1.344 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

Tot Ion:180	Resp:	11359
Ion Ratio	Lower	Upper
180	100	
182	93.0	75.6 113.4
184	31.8	24.9 37.3
145	27.3	21.8 32.6

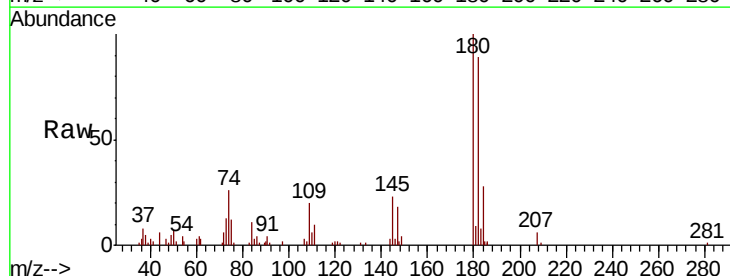


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

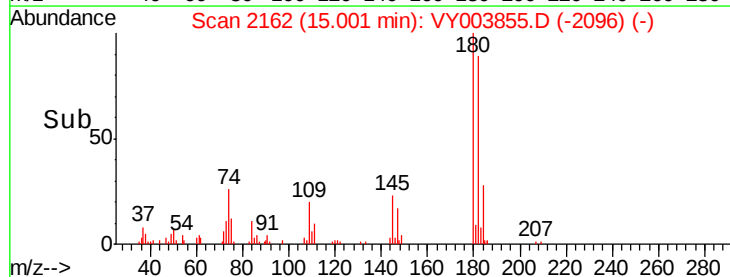
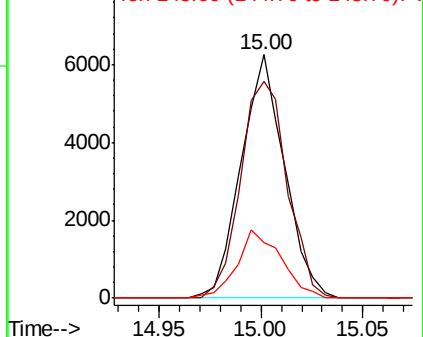


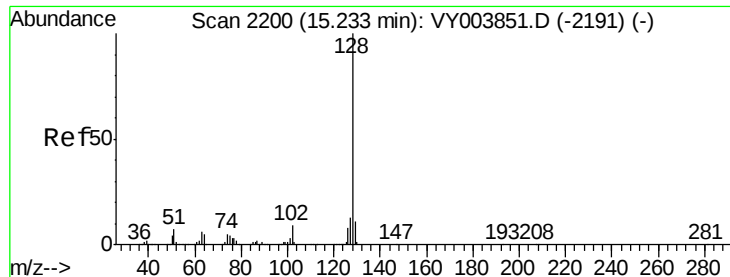
#70
 1,2,4-trichlorobenzene
 Concen: 1.294 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Tgt Ion:180	Resp:	9271
Ion Ratio	Lower	Upper
180	100	
182	95.4	76.1 114.1
145	28.2	22.6 33.8



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

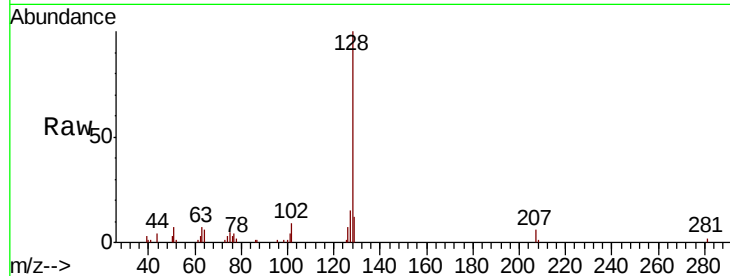




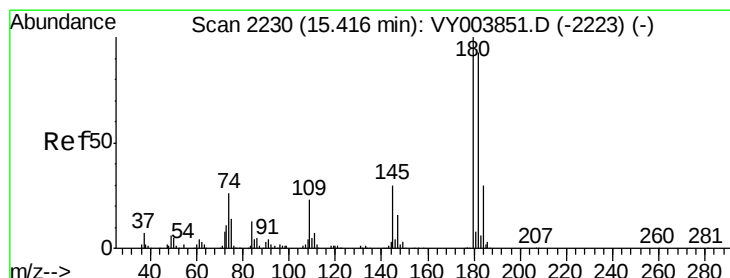
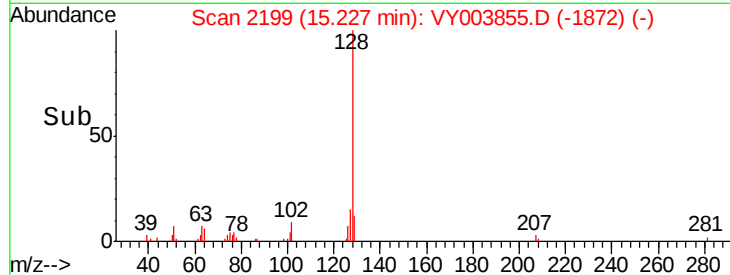
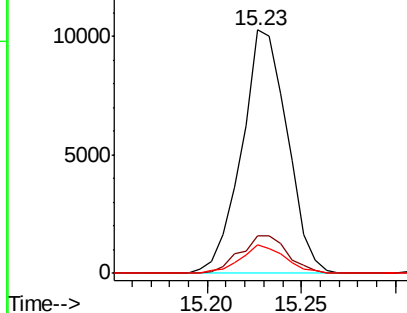
#71
Naphthalene
Concen: 1.151 ug/L
RT: 15.23 min Scan# 2199
Delta R.T. -0.01 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Instrument :
MSVOA_Y
ClientSampled :
MDL-SOIL-01

Tot Ion:128 Resp: 17219
Ion Ratio Lower Upper
128 100
127 16.0 10.7 16.1
129 11.3 8.9 13.3

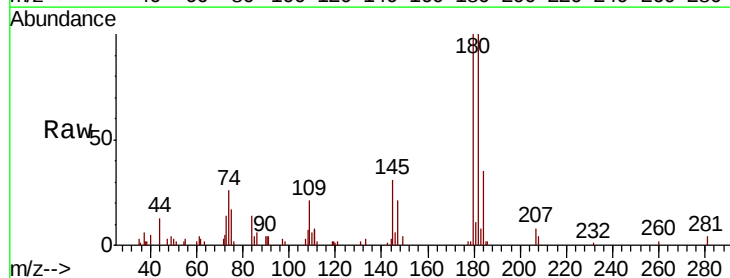


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 1.322 ug/L
RT: 15.42 min Scan# 2230
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Tgt Ion:180 Resp: 8372
Ion Ratio Lower Upper
180 100
182 92.4 74.6 111.8
145 31.7 23.3 34.9



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

