

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010421\
 Data File : VY003871.D
 Acq On : 04 Jan 2021 15:11
 Operator : SY/MD
 Sample : L4485-06
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-06

Quant Time: Jan 05 04:26:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 05 04:09:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	311492	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	293826	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	165963	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	165673	31.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	125.76%
7) Chloroethane-d5	2.77	69	118326	28.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.52%
11) 1,1-Dichloroethene-d2	3.86	63	196698	21.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.52%
21) 2-Butanone-d5	6.90	46	108018	53.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.80%
24) Chloroform-d	7.48	84	235717	27.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.60%
26) 1,2-Dichloroethane-d4	8.15	65	153513	28.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.04%
32) Benzene-d6	8.12	84	467891	28.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.56%
36) 1,2-Dichloropropane-d6	9.12	67	138649	28.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.08%
41) Toluene-d8	10.18	98	451322	29.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	116.72%
43) trans-1,3-Dichloropropene-	10.43	79	78803	28.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	115.96%
47) 2-Hexanone-d5	10.79	63	82712	55.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.72%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	133694	28.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.88%
66) 1,2-Dichlorobenzene-d4	13.72	152	178668	29.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	117.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	7196	1.379 ug/L	99
3) Chloromethane	2.12	50	8763	1.500 ug/L	94
5) Vinyl chloride	2.25	62	8804m	1.420 ug/L	
6) Bromomethane	2.66	94	4503	1.188 ug/L	93
8) Chloroethane	2.80	64	4500	1.203 ug/L	95
9) Trichlorofluoromethane	3.13	101	9822	1.186 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	4454	1.024 ug/L #	84
12) 1,1-Dichloroethene	3.87	96	6387m	1.564 ug/L	
13) Acetone	3.97	43	4192m	2.804 ug/L	
14) Carbon disulfide	4.20	76	13255	0.965 ug/L	98
15) Methyl Acetate	4.49	43	4075	1.185 ug/L #	86
16) Methylene chloride	4.73	84	12717	2.546 ug/L	93
17) trans-1,2-Dichloroethene	5.24	96	4587	1.027 ug/L	83
18) Methyl tert-butyl Ether	5.22	73	14148	1.072 ug/L #	75
19) 1,1-Dichloroethane	6.03	63	8846	1.096 ug/L #	95
20) cis-1,2-Dichloroethene	6.99	96	5717	1.183 ug/L	77
22) 2-Butanone	7.00	43	6256	2.700 ug/L	95

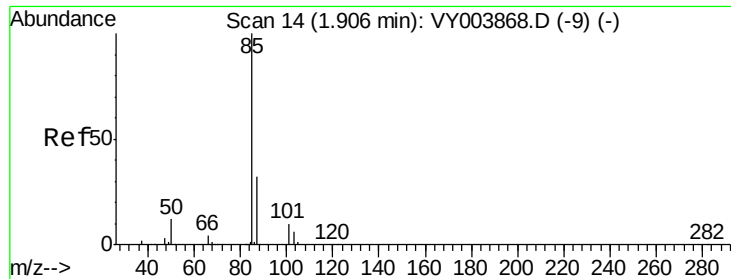
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010421\
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 Quant Title : VOC Analysis
 QLast Update : Tue Jan 05 04:09:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	2797	1.171	ug/L	91
25) Chloroform	7.52	83	12940	1.529	ug/L	85
27) 1,2-Dichloroethane	8.24	62	8094	1.231	ug/L	98
29) Cyclohexane	7.78	56	8910	1.157	ug/L	87
30) 1,1,1-Trichloroethane	7.70	97	9729	1.230	ug/L	97
31) Carbon tetrachloride	7.90	117	8118	1.110	ug/L	91
33) Benzene	8.17	78	21602	1.203	ug/L	100
34) Trichloroethene	8.94	95	5423	1.093	ug/L	94
35) Methylcyclohexane	9.18	83	7943	0.983	ug/L	91
37) 1,2-Dichloropropane	9.22	63	5083	1.112	ug/L	98
38) Bromodichloromethane	9.50	83	7832	1.216	ug/L	86
39) cis-1,3-Dichloropropene	9.93	75	7680	0.983	ug/L	88
40) 4-Methyl-2-pentanone	10.07	43	10135	2.076	ug/L	92
42) Toluene	10.25	91	22601	1.138	ug/L	99
44) trans-1,3-Dichloropropene	10.46	75	8906	1.181	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	4441	1.131	ug/L	89
46) Tetrachloroethene	10.72	164	5112	1.191	ug/L	87
48) 2-Hexanone	10.83	43	8965	2.521	ug/L	95
49) Dibromochloromethane	10.98	129	5742	1.155	ug/L	83
50) 1,2-Dibromoethane	11.09	107	4958	1.278	ug/L #	90
51) Chlorobenzene	11.51	112	15663	1.219	ug/L	94
52) Ethylbenzene	11.59	91	24475	1.100	ug/L	100
53) m,p-Xylene	11.70	106	9496	1.125	ug/L	83
54) o-Xylene	12.03	106	8871	1.079	ug/L	96
55) Styrene	12.04	104	15038	1.058	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.58	83	6008	1.293	ug/L	91
59) Bromoform	12.20	173	3978	1.111	ug/L	93
60) Isopropylbenzene	12.32	105	23386	1.066	ug/L	98
61) 1,2,3-Trichloropropane	12.63	75	4888	1.199	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	18384	1.009	ug/L	97
63) 1,2,4-Trimethylbenzene	13.12	105	19177	1.039	ug/L	93
64) 1,3-Dichlorobenzene	13.36	146	12366	1.163	ug/L	96
65) 1,4-Dichlorobenzene	13.45	146	13173	1.224	ug/L	93
67) 1,2-Dichlorobenzene	13.74	146	12837	1.290	ug/L	94
68) 1,2-Dibromo-3-chloropropan	14.35	75	1433	1.414	ug/L #	81
69) 1,3,5-Trichlorobenzene	14.50	180	9801	1.183	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	7663	1.091	ug/L	94
71) Naphthalene	15.23	128	15761	1.075	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	7192	1.159	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 1.379 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

Instrument :

MSVOA_Y

ClientSampleId :

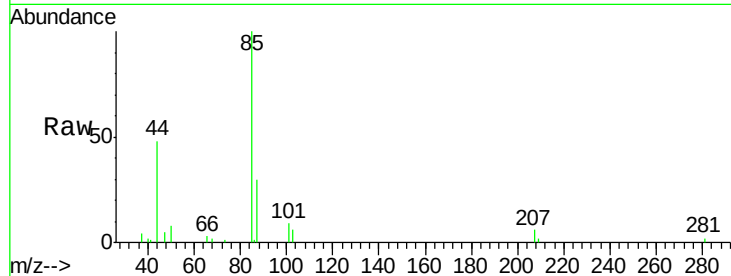
MDL-SOIL-06

Tot Ion: 85 Resp: 7196

Ion Ratio Lower Upper

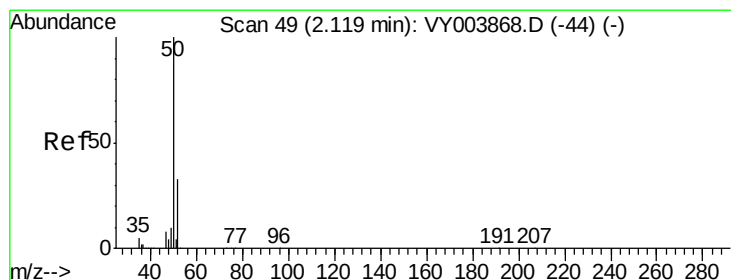
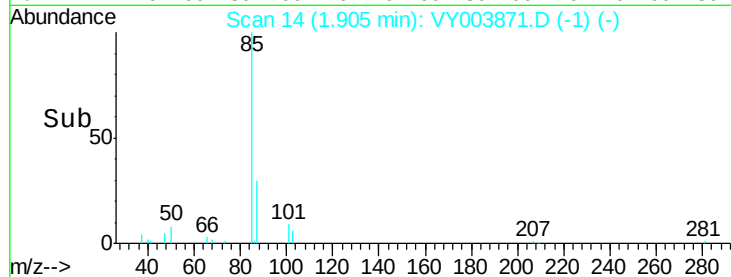
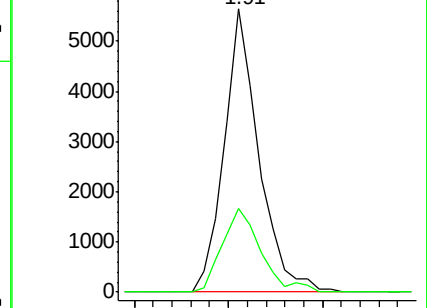
85 100

87 31.3 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: 1.500 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003871.D

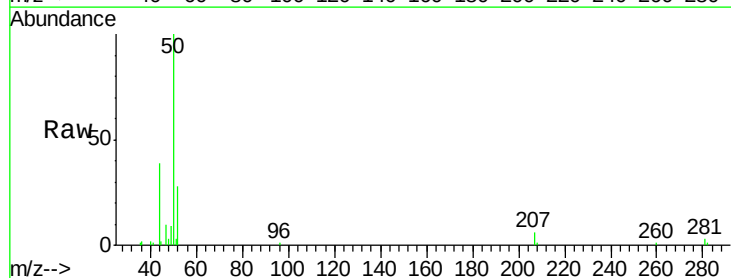
Acq: 04 Jan 2021 15:11

Tgt Ion: 50 Resp: 8763

Ion Ratio Lower Upper

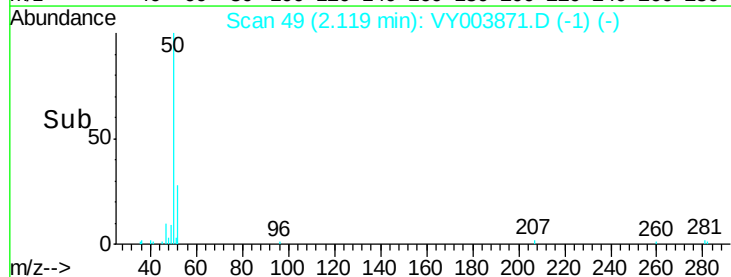
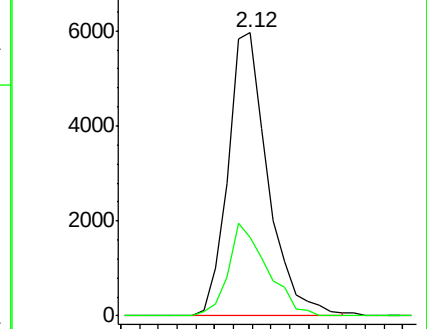
50 100

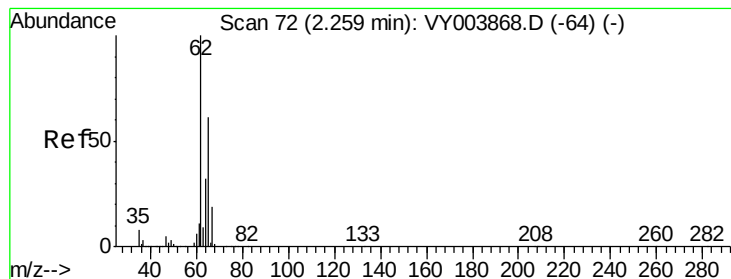
52 28.0 22.0 41.0



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 1.420 ug/L m

RT: 2.25 min Scan# 71

Delta R.T. -0.01 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

Instrument :

MSVOA_Y

ClientSampleId :

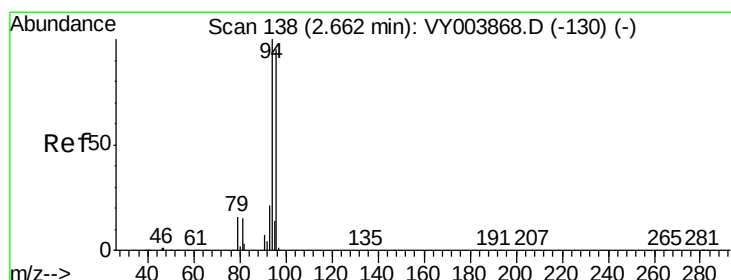
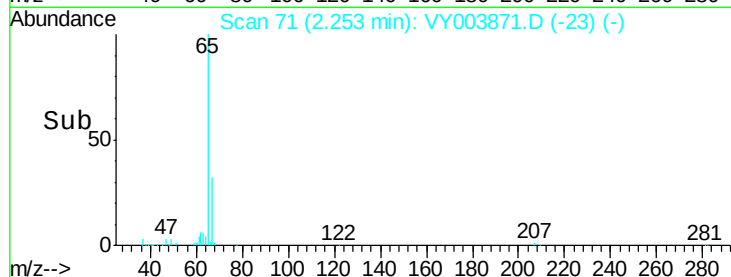
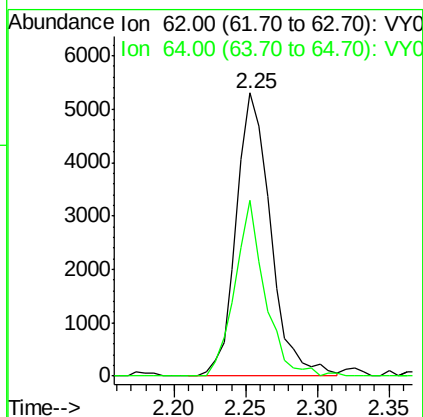
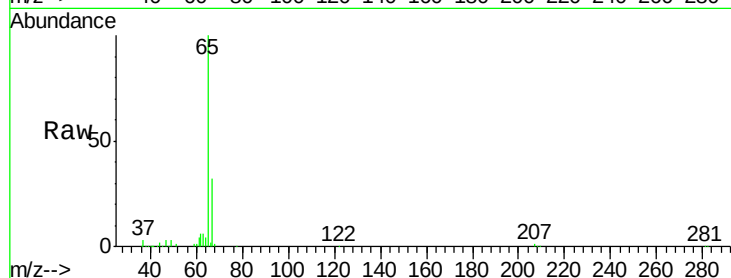
MDL-SOIL-06

Tot Ion: 62 Resp: 8804

Ion Ratio Lower Upper

62 100

64 62.3 23.2 43.2#



#6

Bromomethane

Concen: 1.188 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.01 min

Lab File: VY003871.D

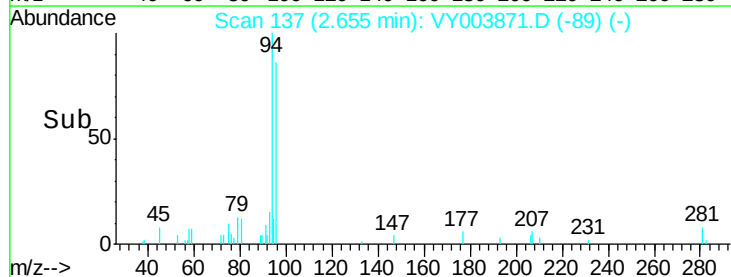
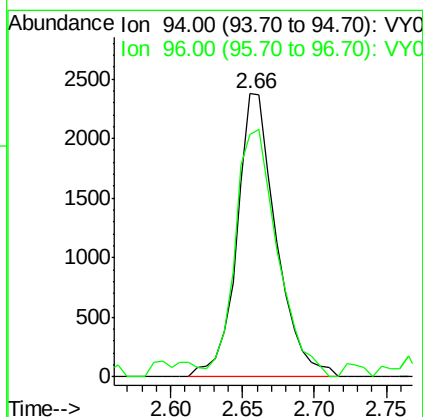
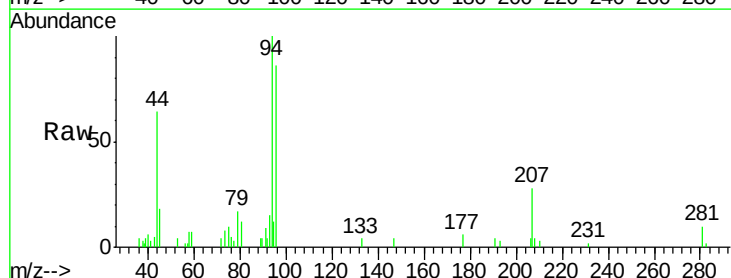
Acq: 04 Jan 2021 15:11

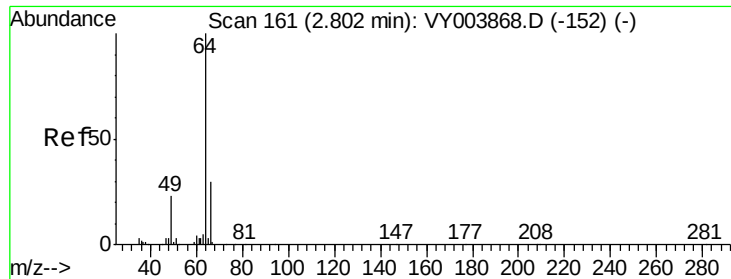
Tgt Ion: 94 Resp: 4503

Ion Ratio Lower Upper

94 100

96 85.6 64.3 119.3

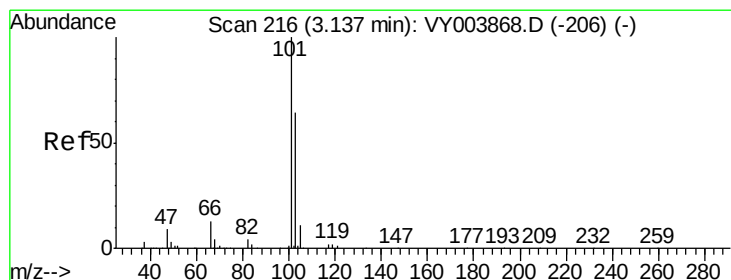
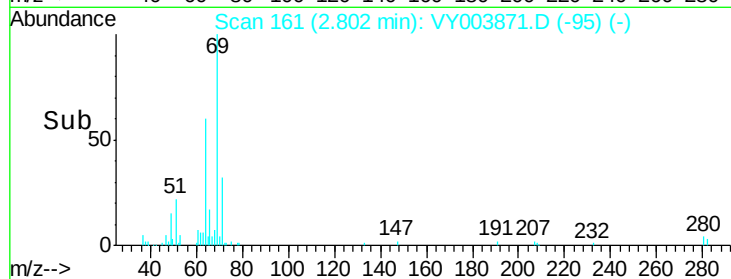
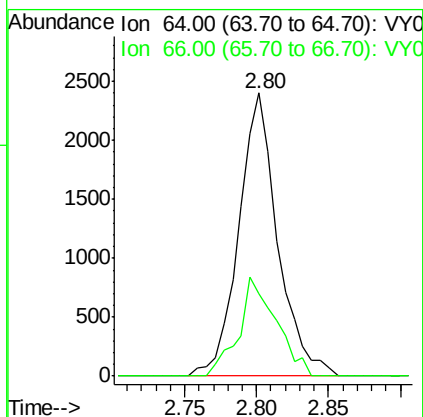
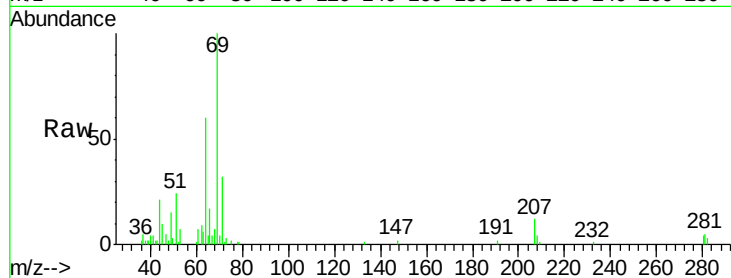




#8
Chloroethane
Concen: 1.203 ug/L
RT: 2.80 min Scan# 161
Delta R.T. 0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

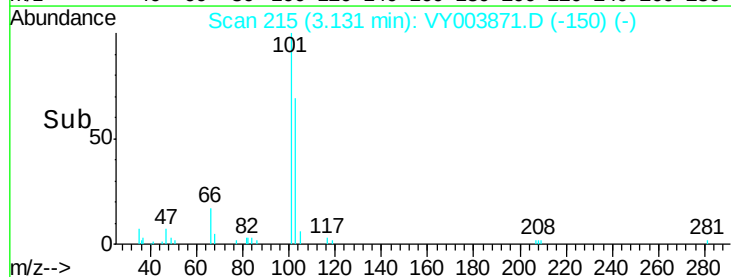
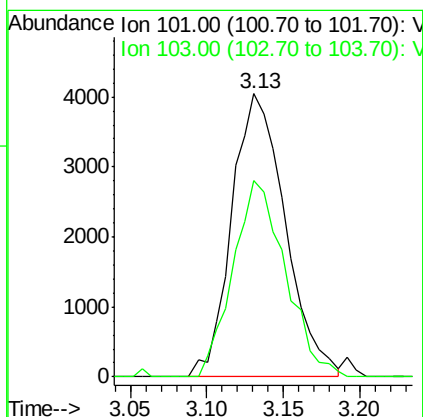
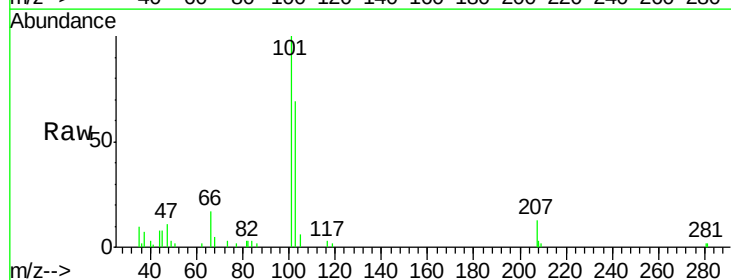
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-06

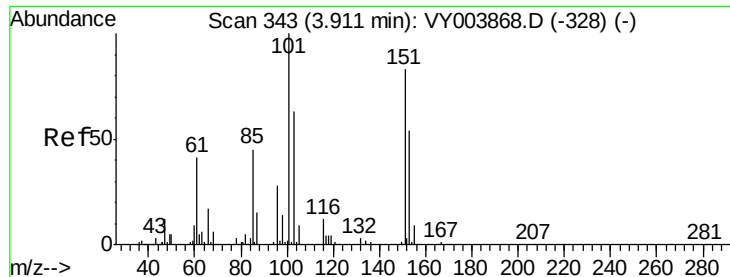
Tot Ion: 64 Resp: 4500
Ion Ratio Lower Upper
64 100
66 29.2 22.5 41.7



#9
Trichlorofluoromethane
Concen: 1.186 ug/L
RT: 3.13 min Scan# 215
Delta R.T. -0.01 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

Tgt Ion: 101 Resp: 9822
Ion Ratio Lower Upper
101 100
103 67.9 51.4 77.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.024 ug/L

RT: 3.91 min Scan# 342

Delta R.T. -0.01 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-06

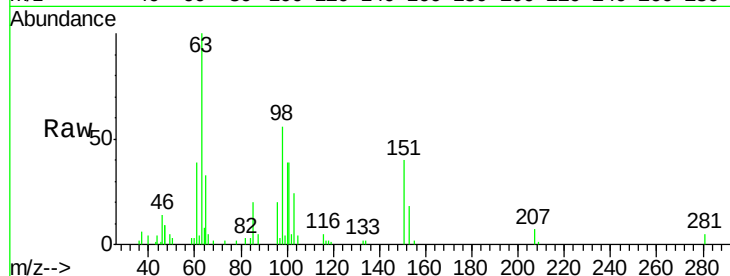
Tot Ion:101 Resp: 4454

Ion Ratio Lower Upper

101 100

85 41.0 37.1 55.7

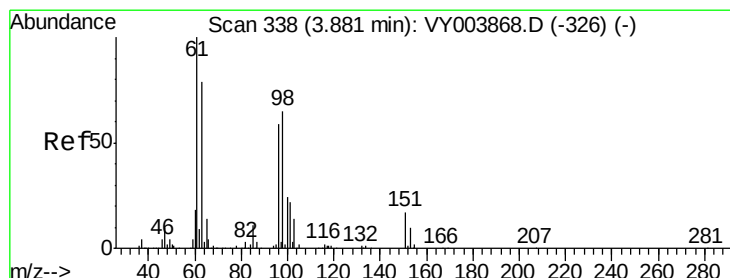
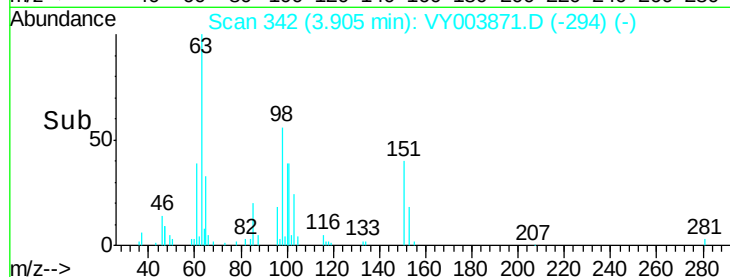
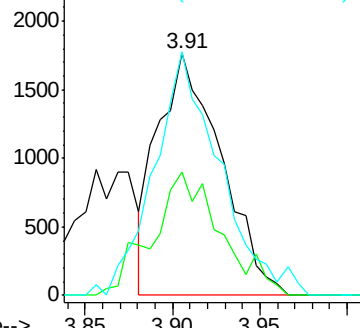
151 101.2 66.4 99.6#



Abundance Ion 101.00 (100.70 to 101.70): VY003868.D (-328) (-)

Ion 85.00 (84.70 to 85.70): VY003868.D (-328) (-)

Ion 151.00 (150.70 to 151.70): VY003868.D (-328) (-)



#12

1,1-Dichloroethene

Concen: 1.564 ug/L m

RT: 3.87 min Scan# 337

Delta R.T. -0.01 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

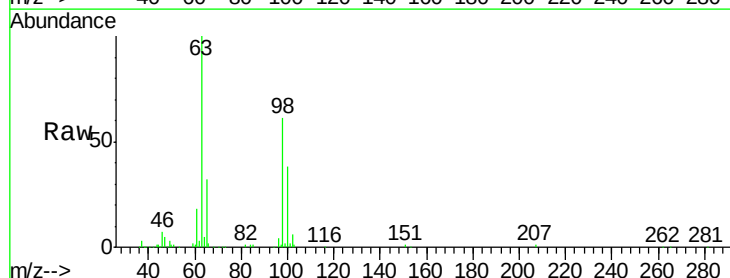
Tgt Ion: 96 Resp: 6387

Ion Ratio Lower Upper

96 100

61 412.7 123.8 230.0#

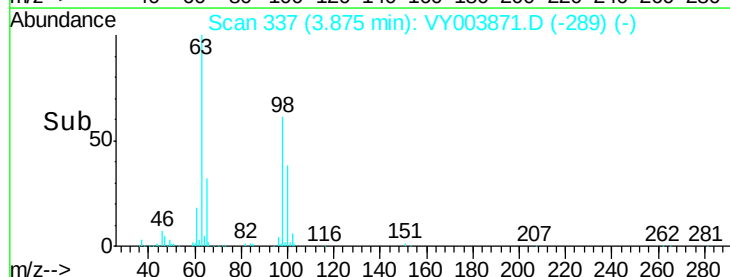
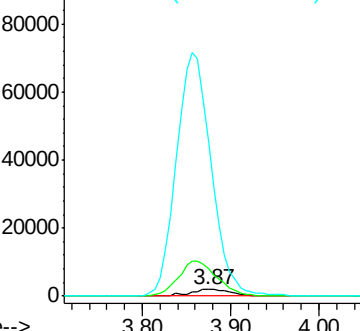
63 2293.0 85.3 158.3#

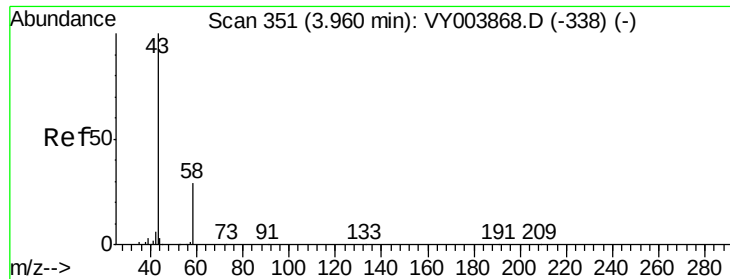


Abundance Ion 96.00 (95.70 to 96.70): VY003868.D (-326) (-)

Ion 61.00 (60.70 to 61.70): VY003868.D (-326) (-)

Ion 63.00 (62.70 to 63.70): VY003868.D (-326) (-)





#13

Acetone

Concen: 2.804 ug/L m

RT: 3.97 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

Instrument :

MSVOA_Y

ClientSampleId :

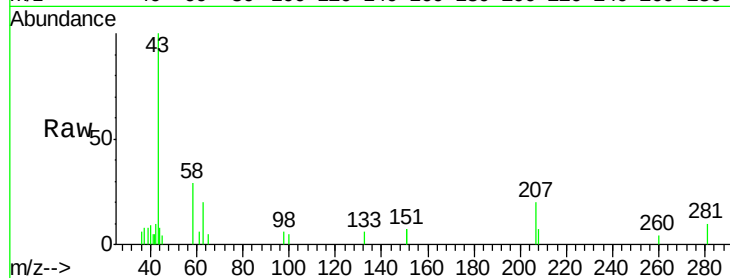
MDL-SOIL-06

Tot Ion: 43 Resp: 4192

Ion Ratio Lower Upper

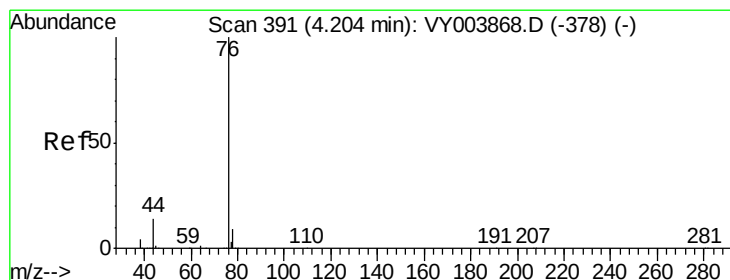
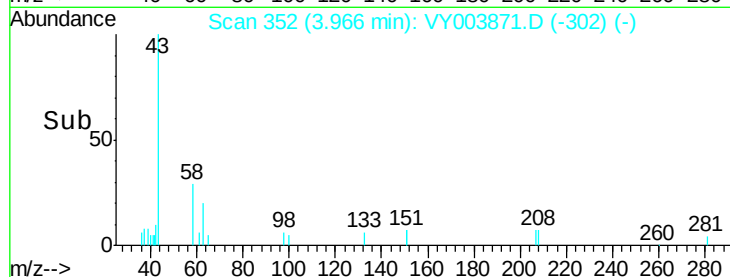
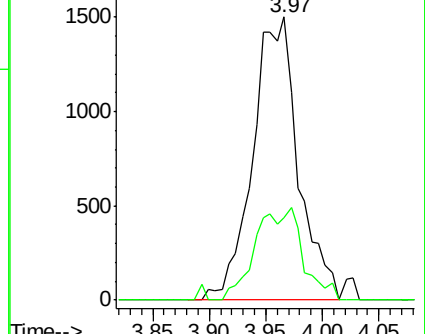
43 100

58 18.1 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: 0.965 ug/L

RT: 4.20 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY003871.D

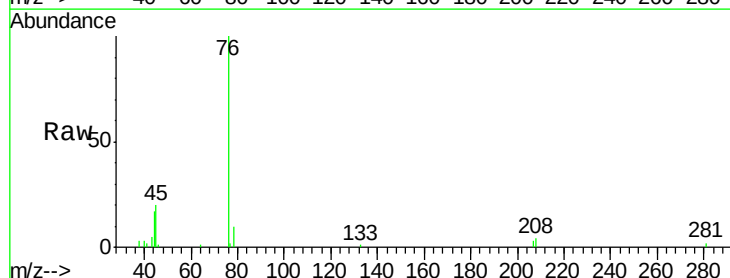
Acq: 04 Jan 2021 15:11

Tgt Ion: 76 Resp: 13255

Ion Ratio Lower Upper

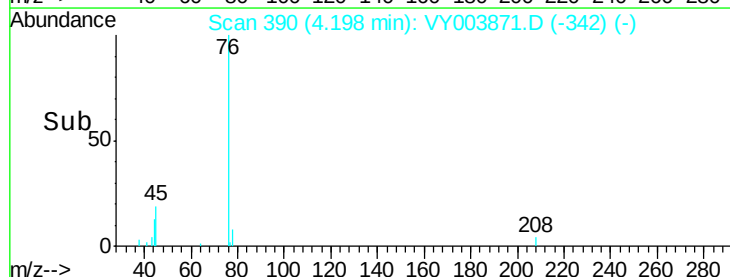
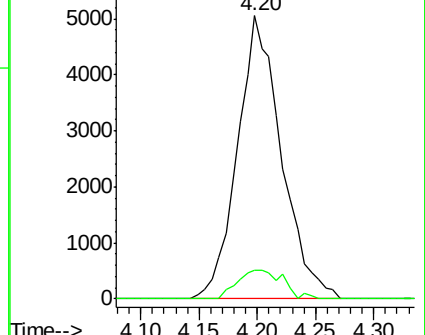
76 100

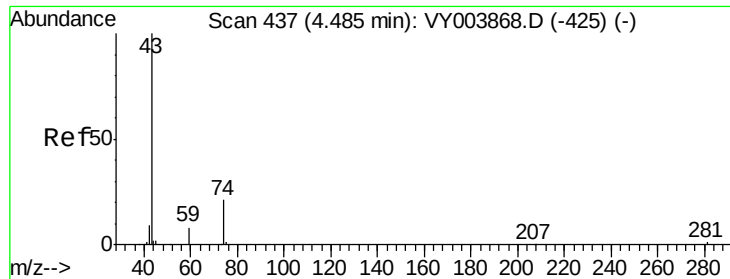
78 10.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

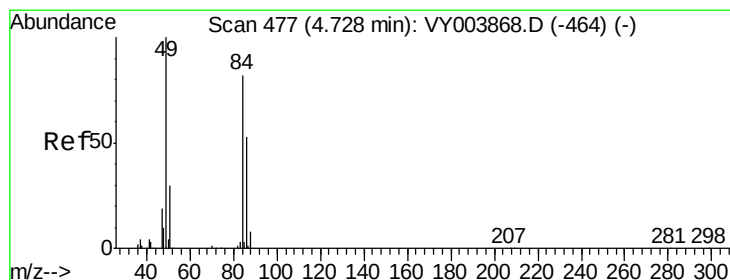
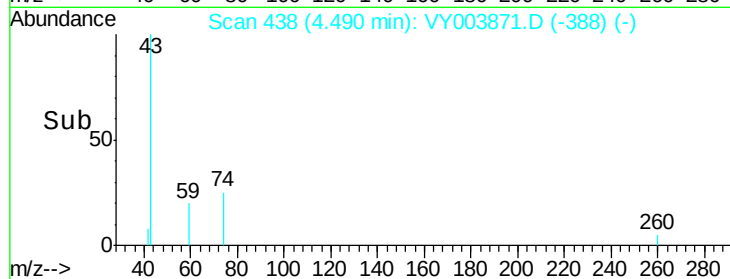
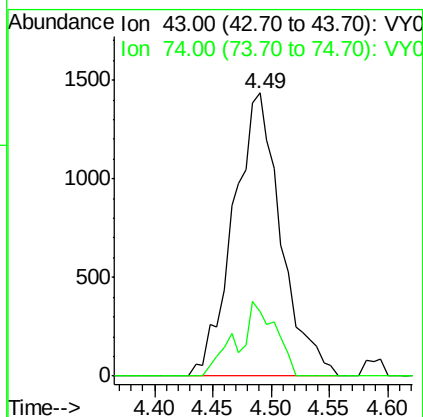
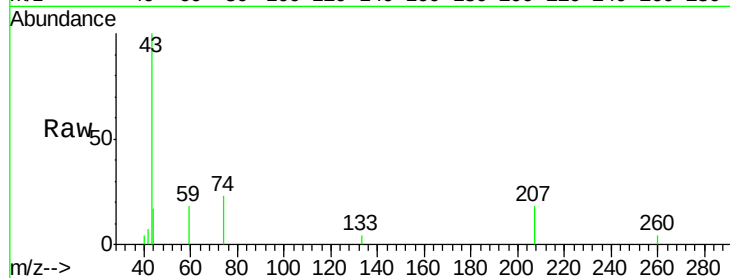




#15
Methyl Acetate
Concen: 1.185 ug/L
RT: 4.49 min Scan# 438
Delta R.T. 0.01 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

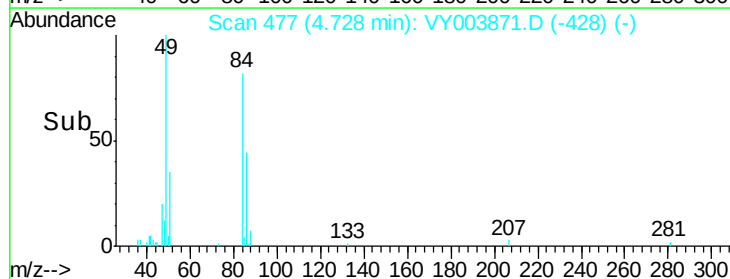
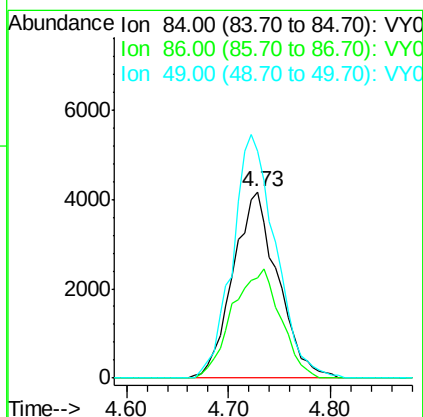
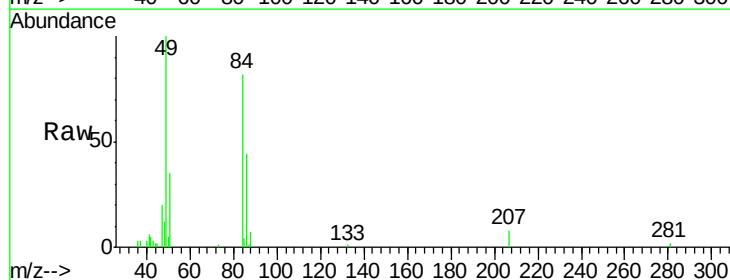
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-06

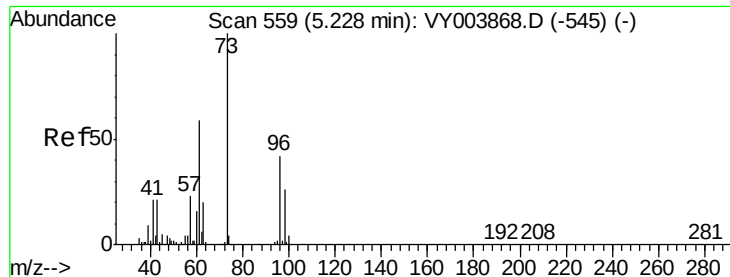
Tot Ion: 43 Resp: 4075
Ion Ratio Lower Upper
43 100
74 15.3 17.4 26.2#



#16
Methylene chloride
Concen: 2.546 ug/L
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

Tgt Ion: 84 Resp: 12717
Ion Ratio Lower Upper
84 100
86 54.0 42.1 78.3
49 121.8 90.3 167.7





#17

trans-1,2-Dichloroethene

Concen: 1.027 ug/L

RT: 5.24 min Scan# 561

Delta R.T. 0.01 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-06

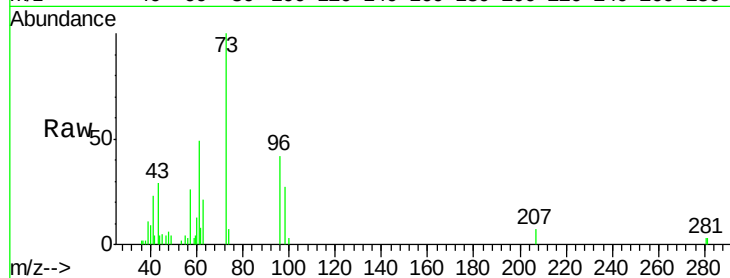
Tot Ion: 96 Resp: 4587

Ion Ratio Lower Upper

96 100

61 116.5 101.7 188.9

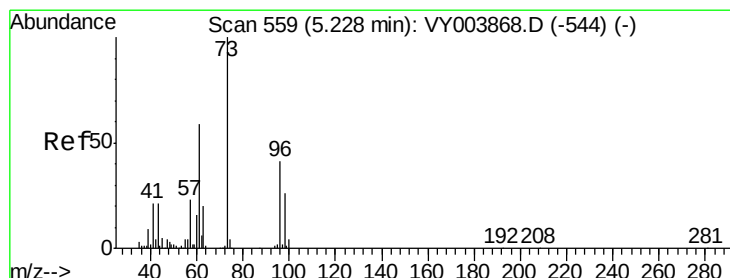
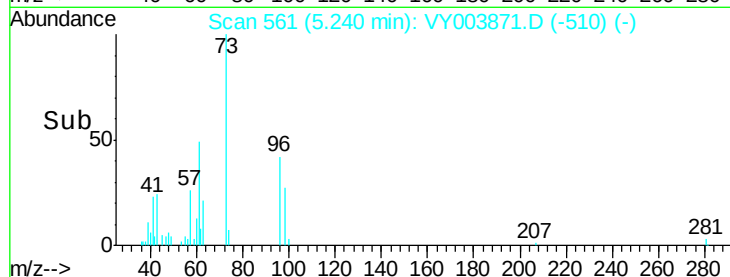
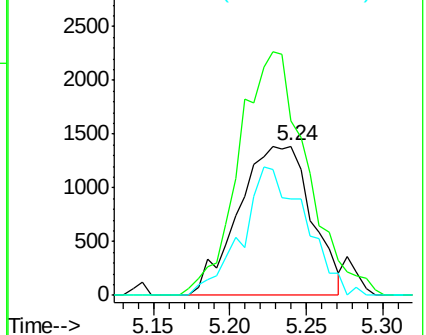
98 64.6 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 98.00 (97.70 to 98.70): VY0



#18

Methyl tert-butyl Ether

Concen: 1.072 ug/L

RT: 5.22 min Scan# 558

Delta R.T. -0.01 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

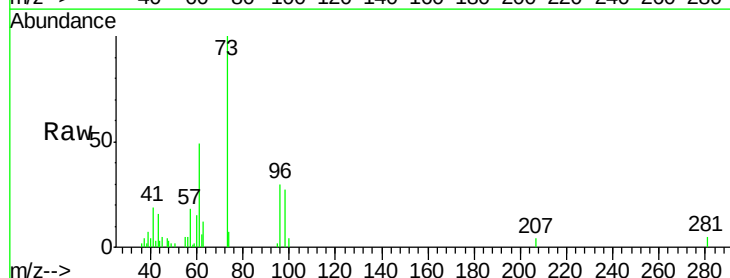
Tgt Ion: 73 Resp: 14148

Ion Ratio Lower Upper

73 100

43 1.1 18.4 27.6#

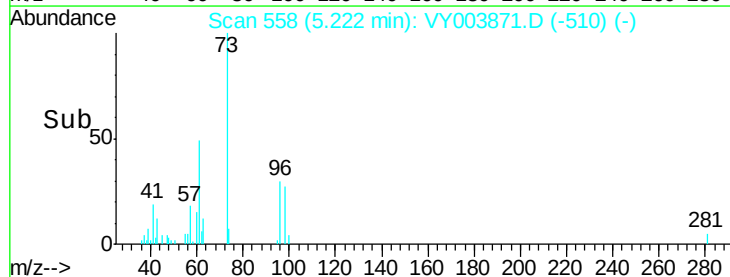
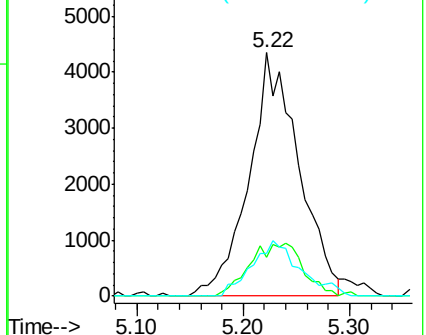
57 20.6 17.6 26.4

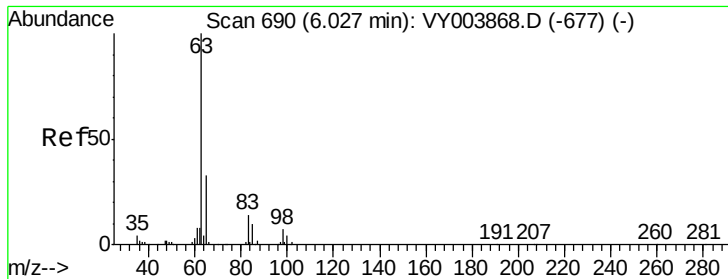


Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

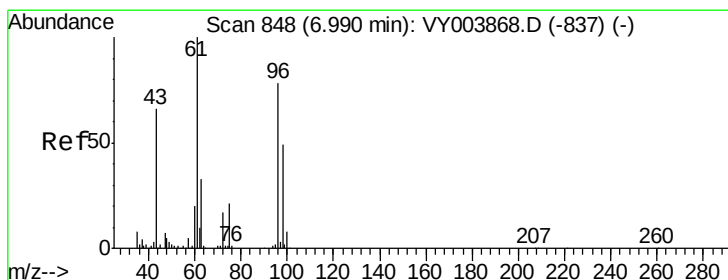
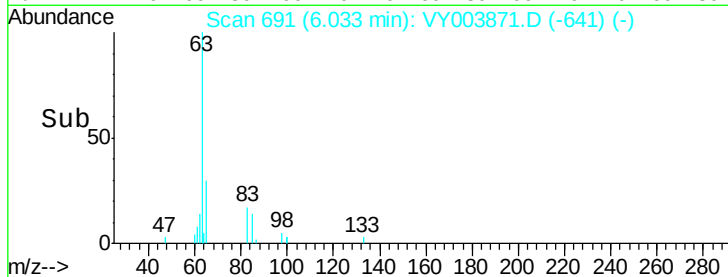
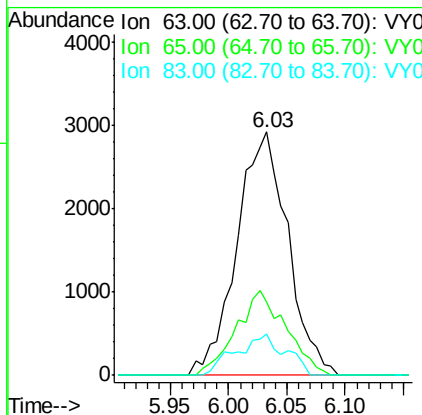
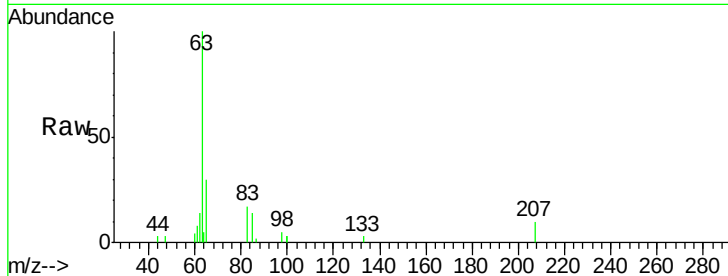




#19
 1,1-Dichloroethane
 Concen: 1.096 ug/L
 RT: 6.03 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

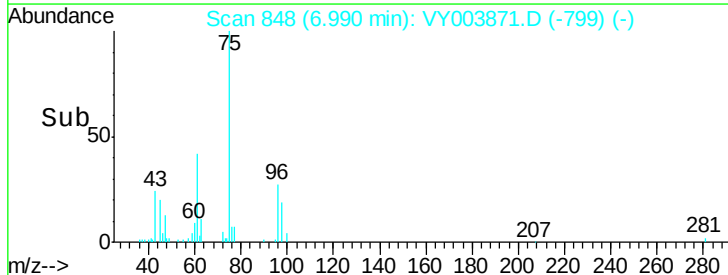
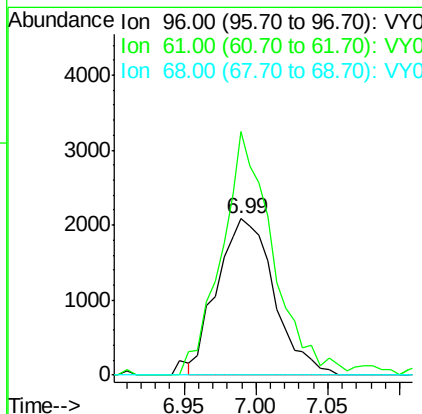
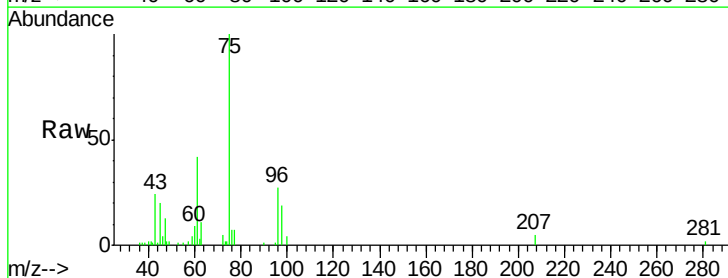
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-06

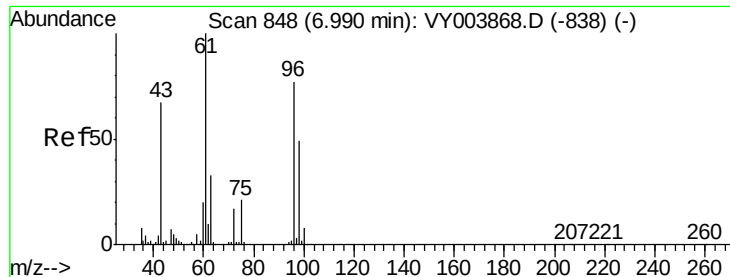
Tot Ion: 63 Resp: 8846
 Ion Ratio Lower Upper
 63 100
 65 30.2 21.9 40.7
 83 17.2 8.7 16.1#



#20
 cis-1,2-Dichloroethene
 Concen: 1.183 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

Tgt Ion: 96 Resp: 5717
 Ion Ratio Lower Upper
 96 100
 61 155.9 90.6 168.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 2.700 ug/L

RT: 7.00 min Scan# 849

Delta R.T. 0.01 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

Instrument :

MSVOA_Y

ClientSampleId :

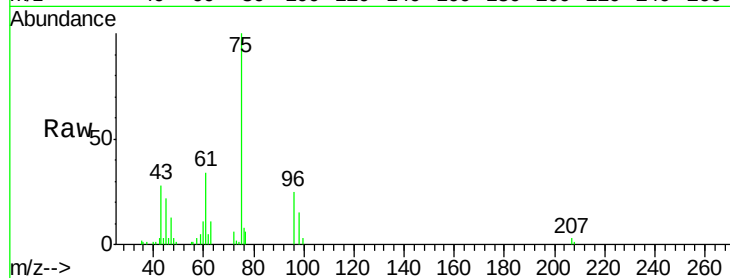
MDL-SOIL-06

Tot Ion: 43 Resp: 6256

Ion Ratio Lower Upper

43 100

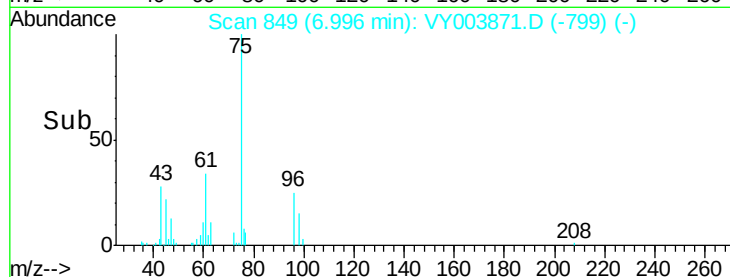
72 22.8 12.6 37.8



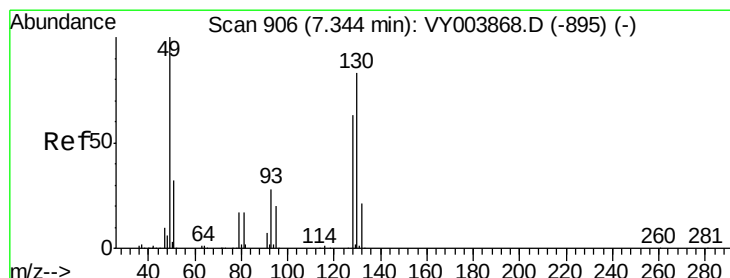
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Time-->



Time-->



#23

Bromochloromethane

Concen: 1.171 ug/L

RT: 7.34 min Scan# 906

Delta R.T. -0.00 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

Tgt Ion: 128 Resp: 2797

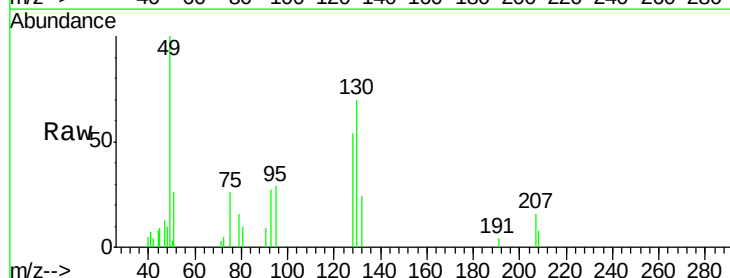
Ion Ratio Lower Upper

128 100

49 184.2 114.4 212.4

130 129.3 88.8 164.8

51 47.7 41.0 61.6



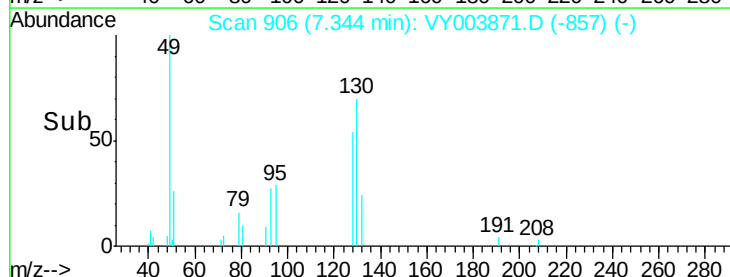
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

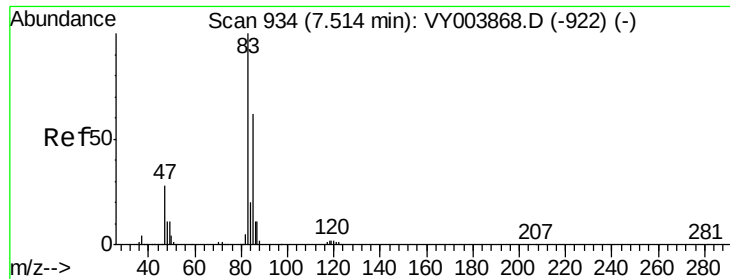
Ion 51.00 (50.70 to 51.70): VY0

Time-->



Time-->

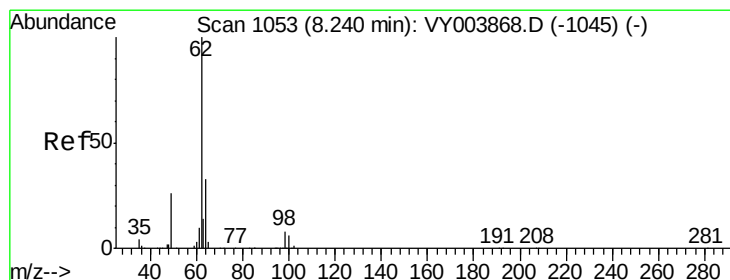
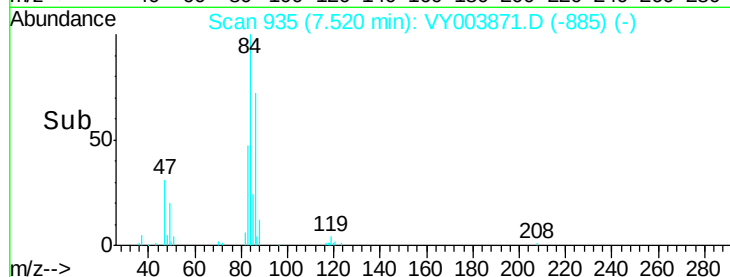
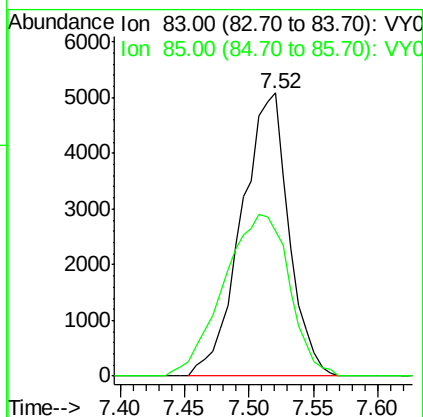
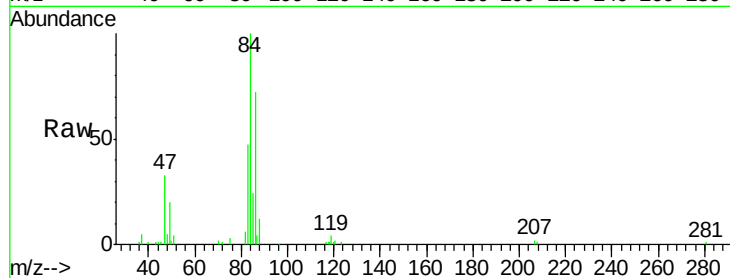
Time-->



#25
Chloroform
Concen: 1.529 ug/L
RT: 7.52 min Scan# 935
Delta R.T. 0.01 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

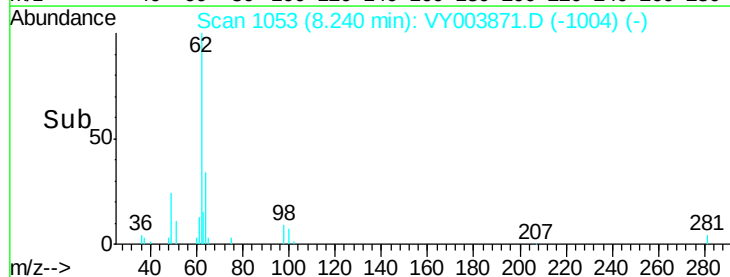
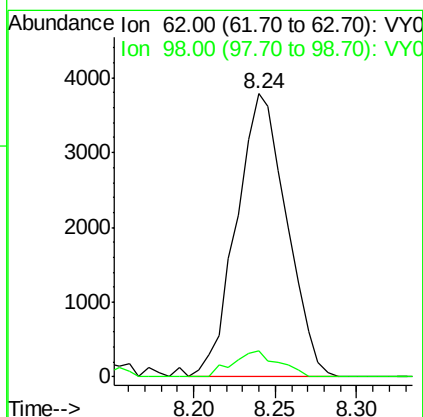
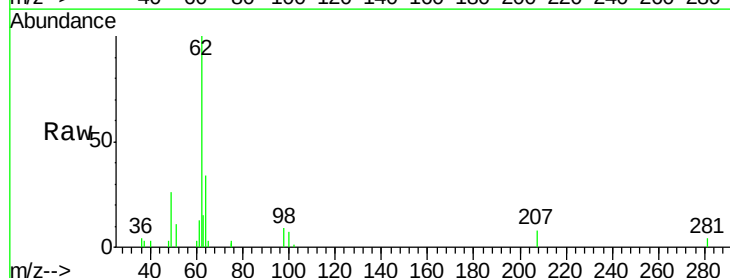
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-06

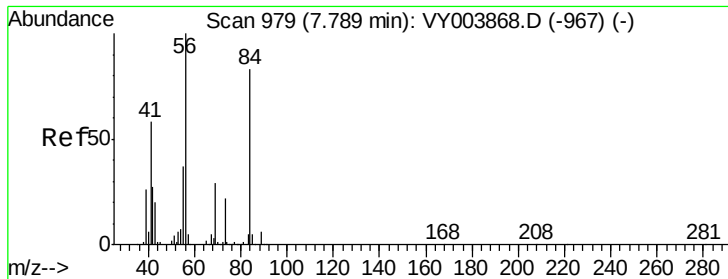
Tot Ion: 83 Resp: 12940
Ion Ratio Lower Upper
83 100
85 51.5 44.2 82.2



#27
1,2-Dichloroethane
Concen: 1.231 ug/L
RT: 8.24 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

Tgt Ion: 62 Resp: 8094
Ion Ratio Lower Upper
62 100
98 9.1 6.8 10.2

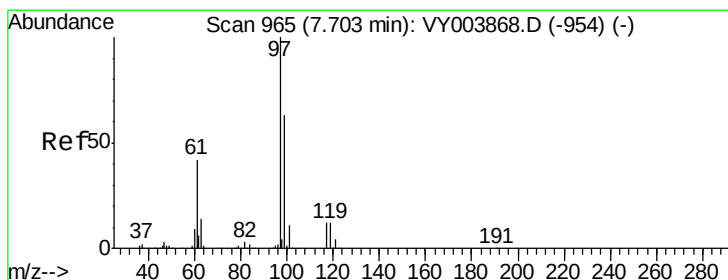
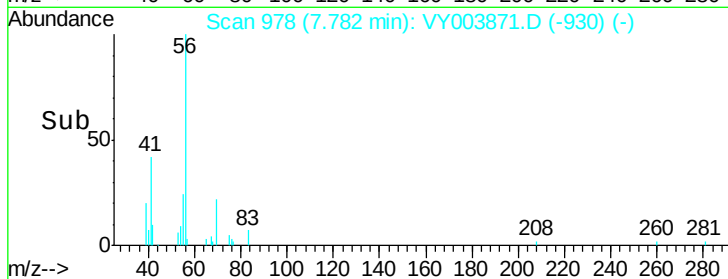
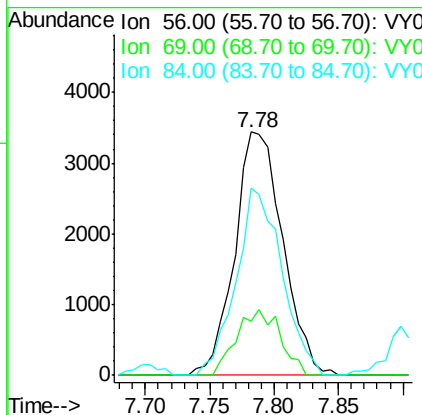
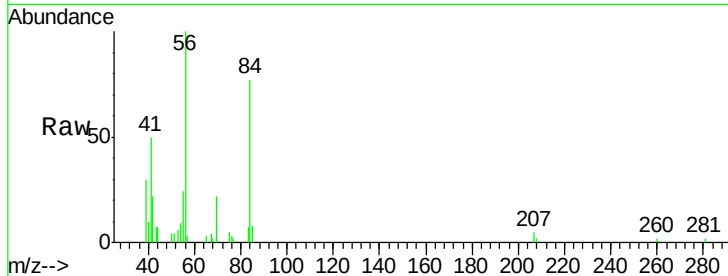




#29
Cyclohexane
Concen: 1.157 ug/L
RT: 7.78 min Scan# 978
Delta R.T. -0.01 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

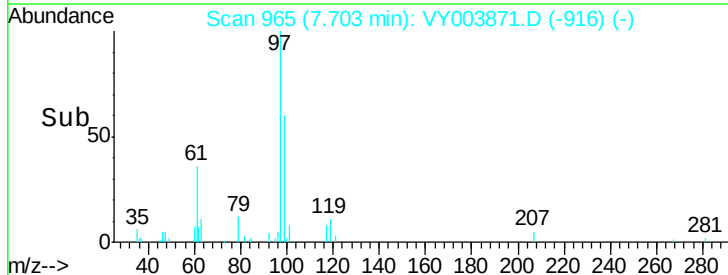
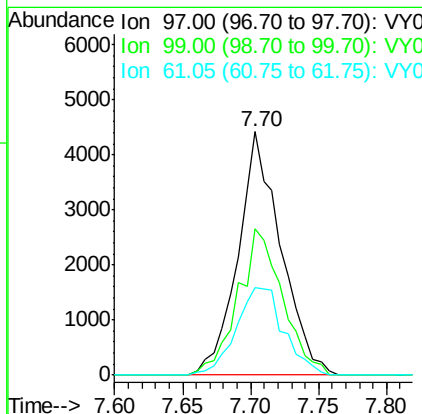
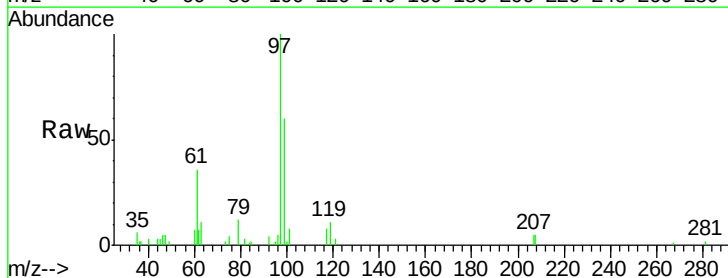
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-06

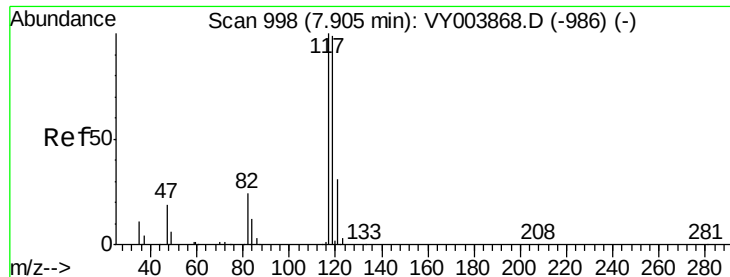
Tot Ion: 56 Resp: 8910
Ion Ratio Lower Upper
56 100
69 24.5 24.2 36.2
84 73.4 68.7 103.1



#30
1,1,1-Trichloroethane
Concen: 1.230 ug/L
RT: 7.70 min Scan# 965
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

Tgt Ion: 97 Resp: 9729
Ion Ratio Lower Upper
97 100
99 62.6 50.5 75.7
61 40.1 35.5 53.3





#31

Carbon tetrachloride

Concen: 1.110 ug/L

RT: 7.90 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

Instrument :

MSVOA_Y

ClientSampleId :

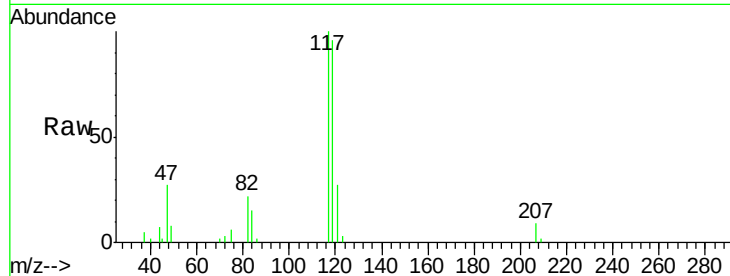
MDL-SOIL-06

Tot Ion:117 Resp: 8118

Ion Ratio Lower Upper

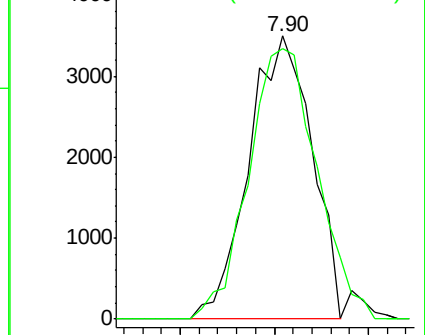
117 100

119 103.6 76.2 114.4

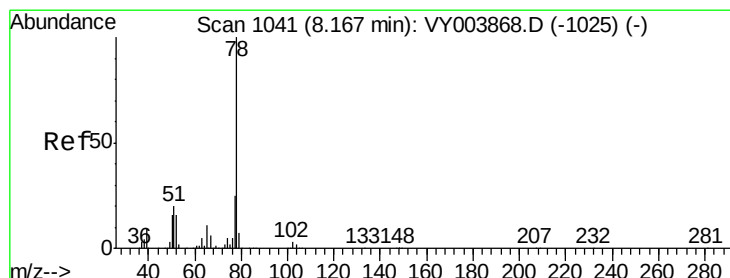
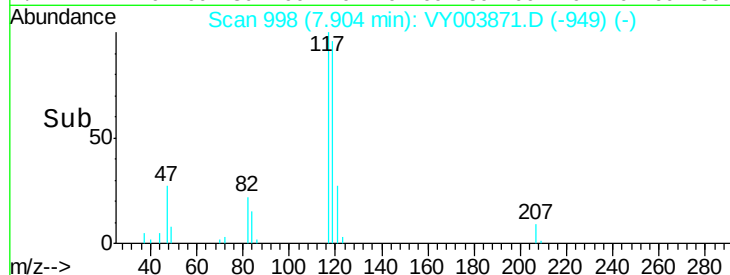


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#33

Benzene

Concen: 1.203 ug/L

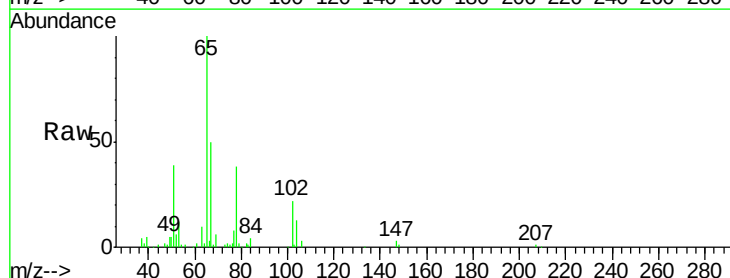
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

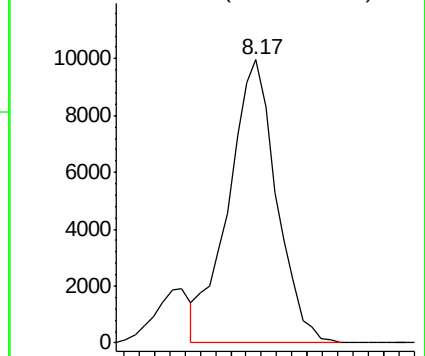
Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

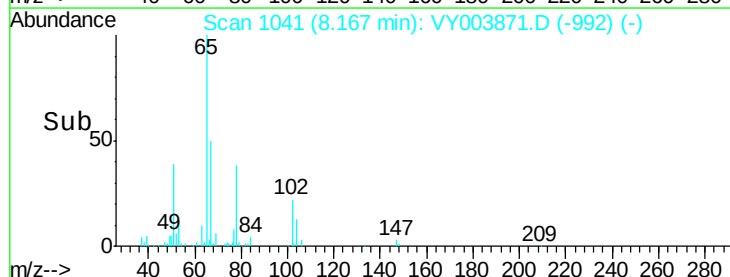
Tgt Ion: 78 Resp: 21602

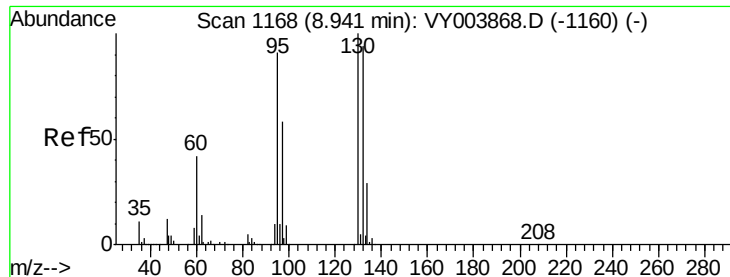


Abundance Ion 78.00 (77.70 to 78.70): VY0



Time-->





#34

Trichloroethene

Concen: 1.093 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-06

Tot Ion: 95 Resp: 5423

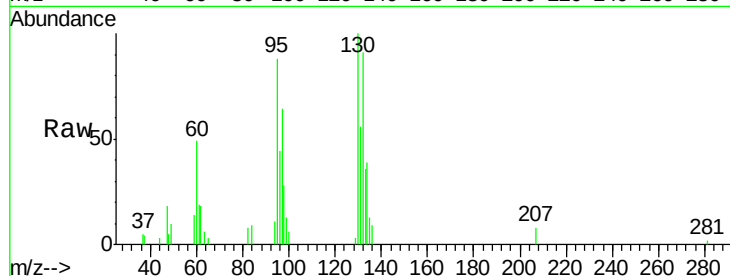
Ion Ratio Lower Upper

95 100

97 72.9 44.4 82.5

132 103.8 71.8 133.4

130 113.7 74.4 138.2

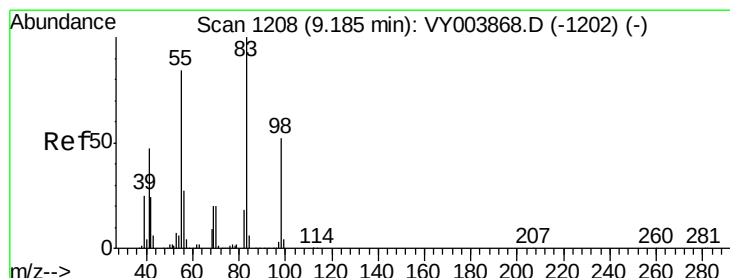
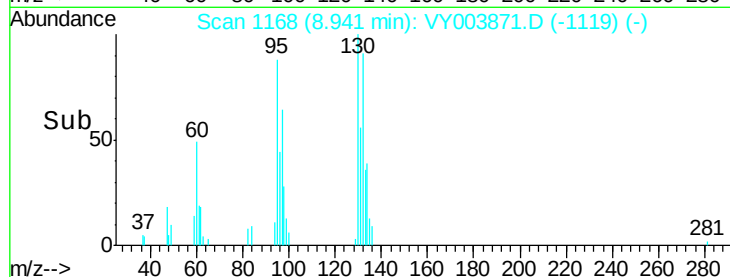
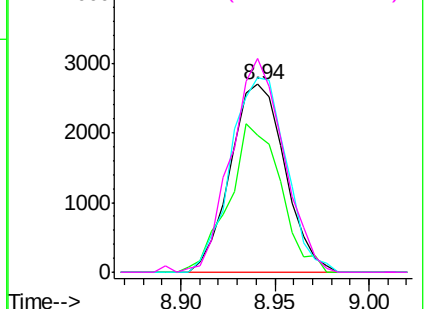


Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0



#35

Methylcyclohexane

Concen: 0.983 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

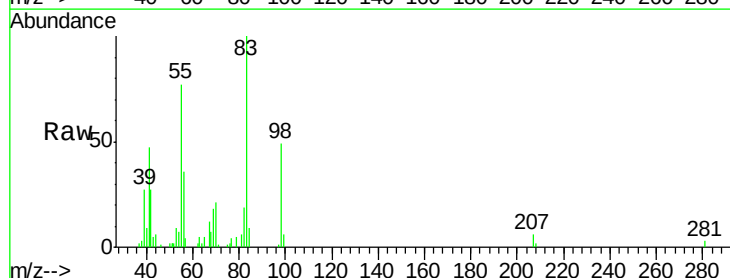
Tgt Ion: 83 Resp: 7943

Ion Ratio Lower Upper

83 100

55 86.7 62.9 94.3

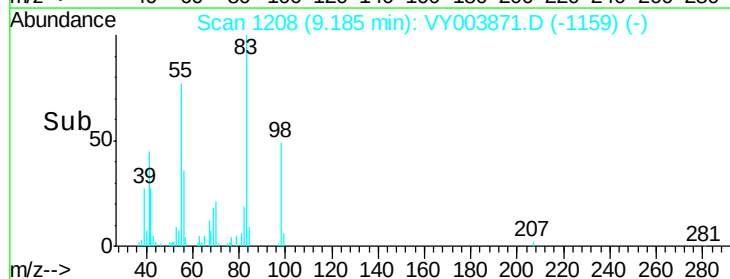
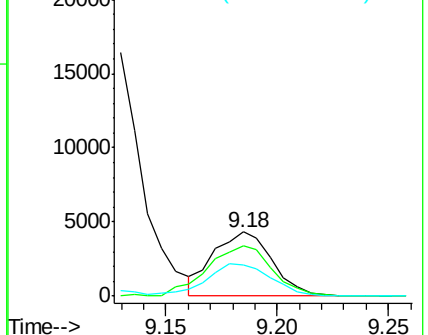
98 55.4 39.7 59.5

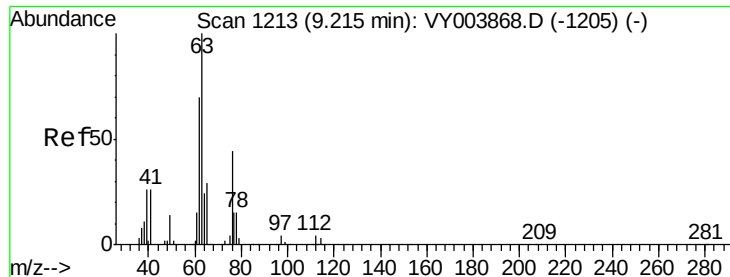


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

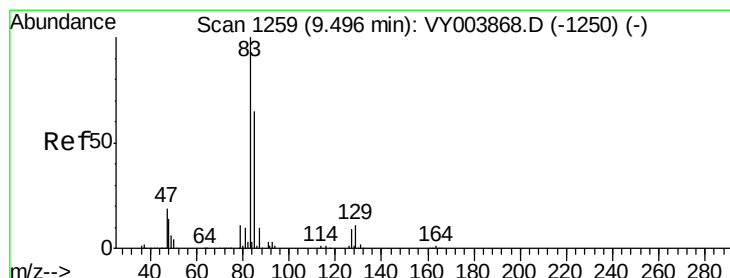
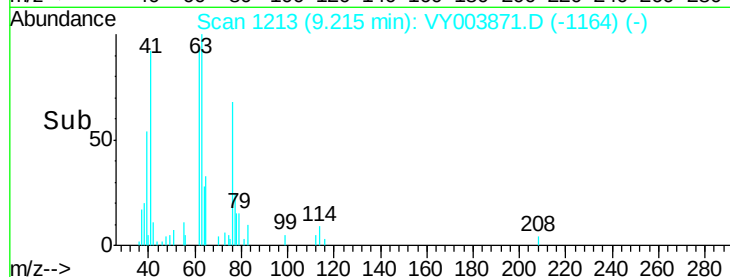
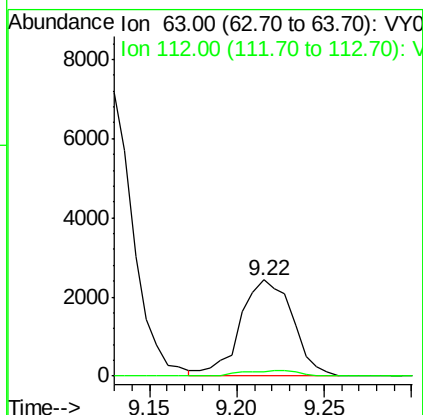
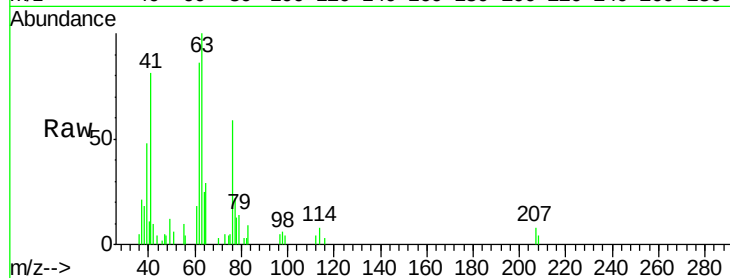




#37
 1,2-Dichloropropane
 Concen: 1.112 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

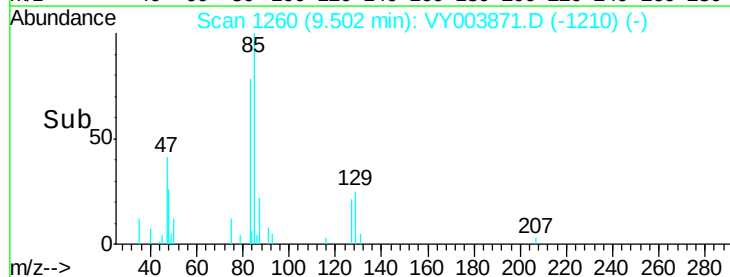
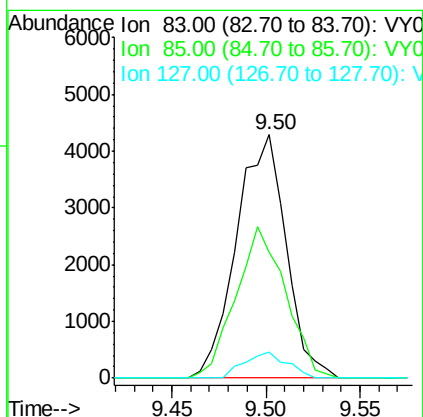
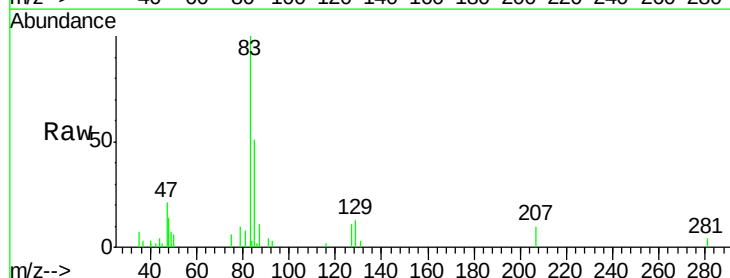
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-06

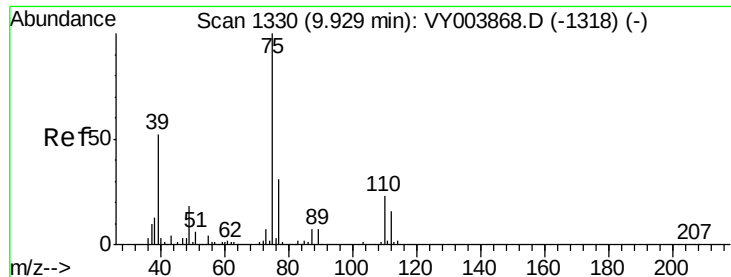
Tot Ion: 63 Resp: 5083
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.7 5.5



#38
 Bromodichloromethane
 Concen: 1.216 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

Tgt Ion: 83 Resp: 7832
 Ion Ratio Lower Upper
 83 100
 85 51.5 44.2 82.0
 127 10.8 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 0.983 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

Instrument :

MSVOA_Y

ClientSampleId :

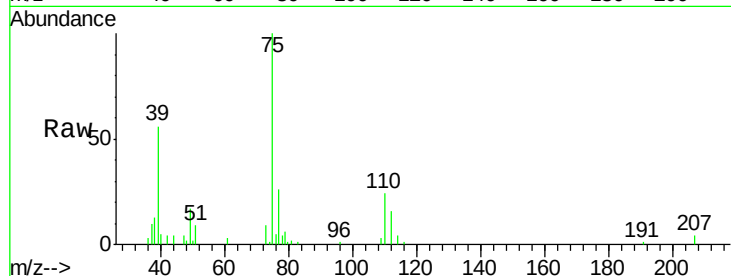
MDL-SOIL-06

Tot Ion: 75 Resp: 7680

Ion Ratio Lower Upper

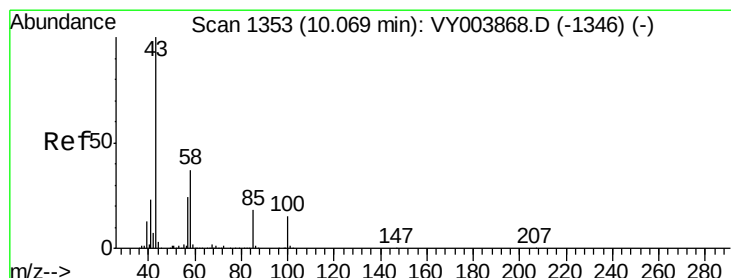
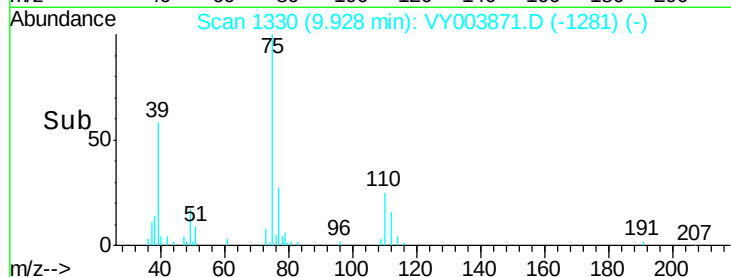
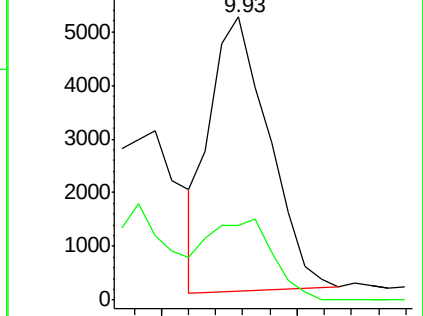
75 100

77 26.2 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#40

4-Methyl-2-pentanone

Concen: 2.076 ug/L

RT: 10.07 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

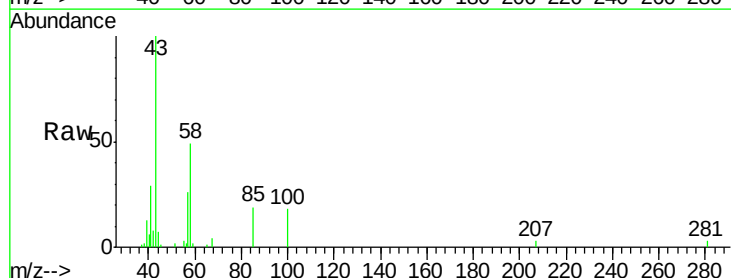
Tgt Ion: 43 Resp: 10135

Ion Ratio Lower Upper

43 100

58 42.7 29.6 44.4

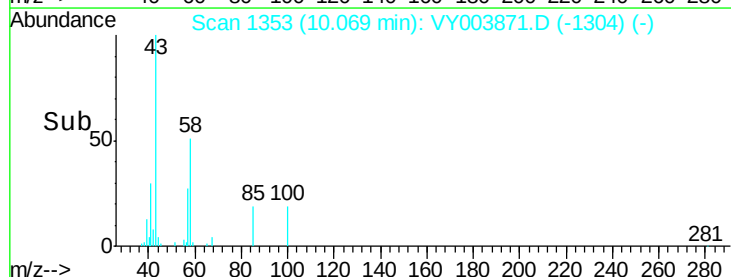
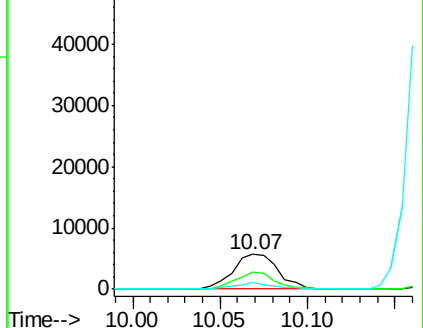
100 16.5 11.8 17.6

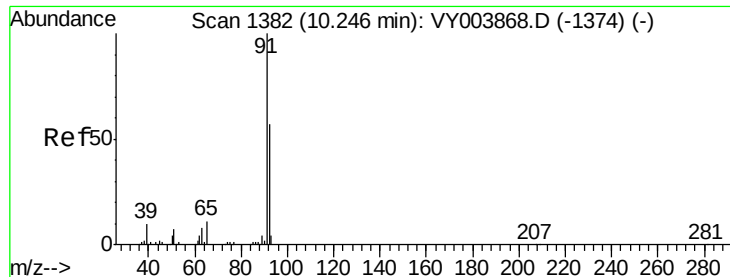


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#42

Toluene

Concen: 1.138 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

Instrument :

MSVOA_Y

ClientSampleId :

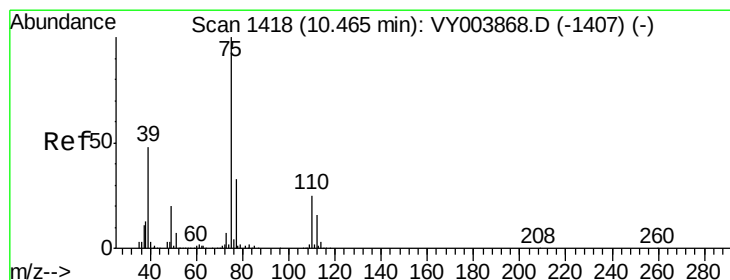
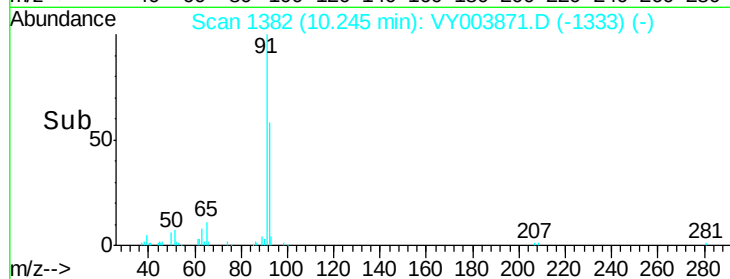
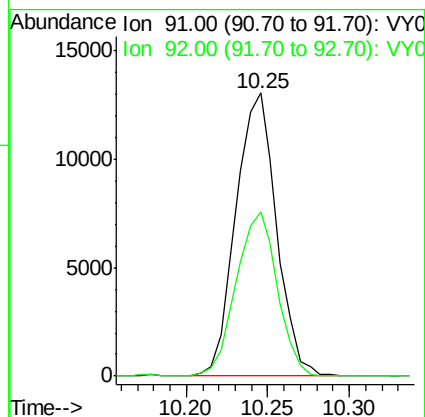
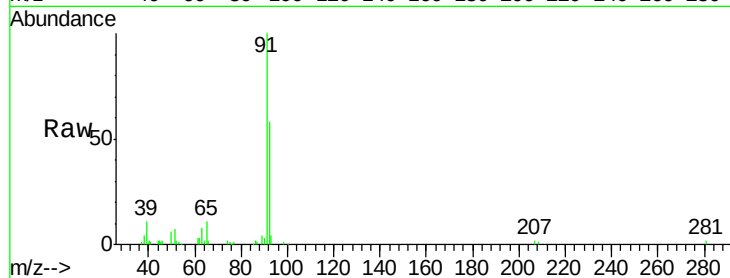
MDL-SOIL-06

Tot Ion: 91 Resp: 22601

Ion Ratio Lower Upper

91 100

92 57.9 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 1.181 ug/L

RT: 10.46 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VY003871.D

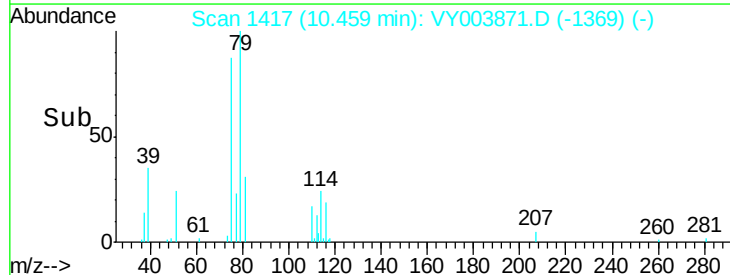
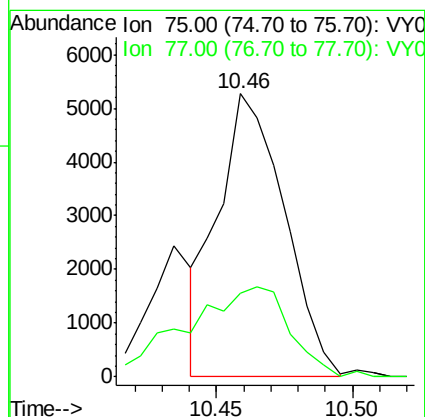
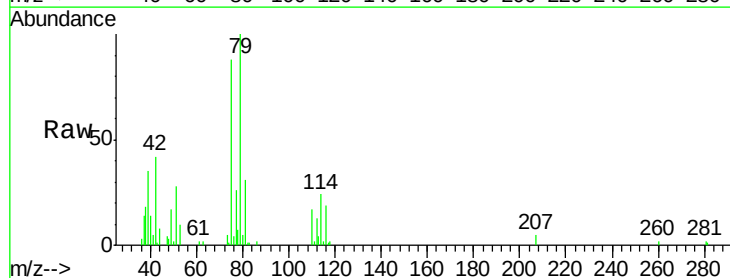
Acq: 04 Jan 2021 15:11

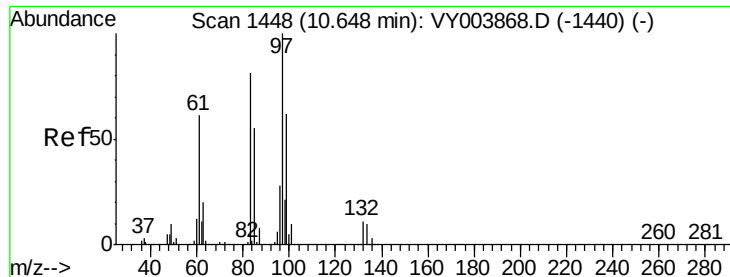
Tgt Ion: 75 Resp: 8906

Ion Ratio Lower Upper

75 100

77 29.5 21.9 40.7

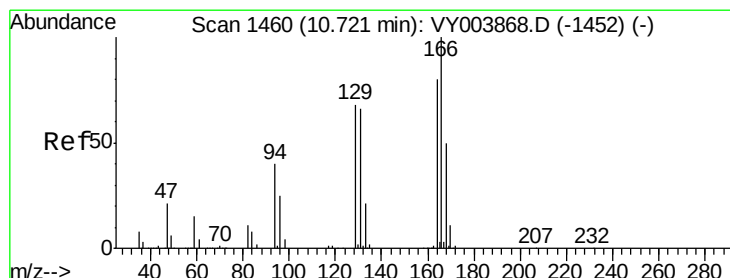
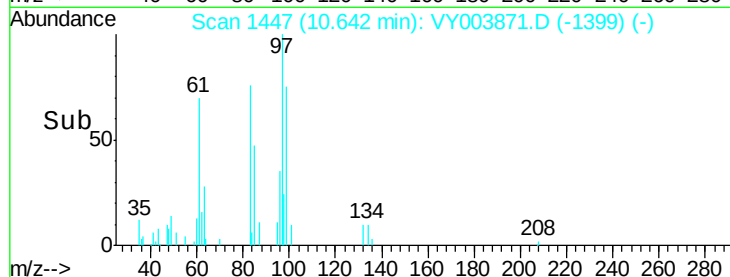
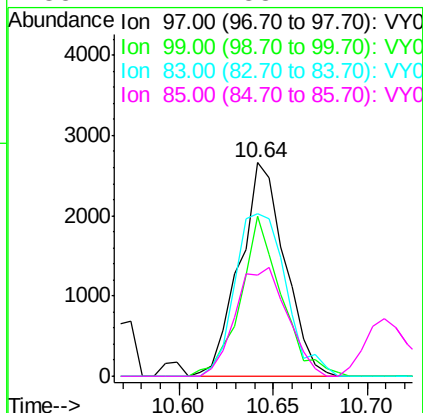
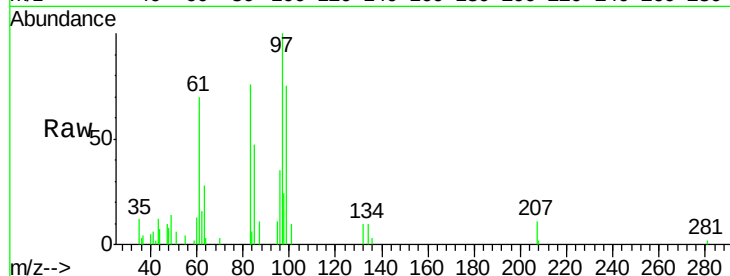




#45
 1,1,2-Trichloroethane
 Concen: 1.131 ug/L
 RT: 10.64 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

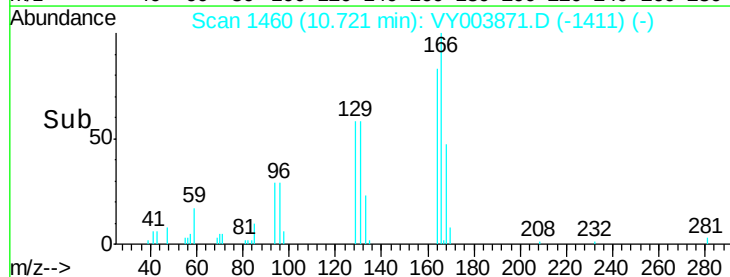
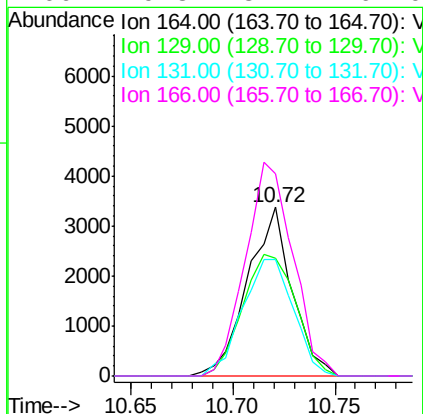
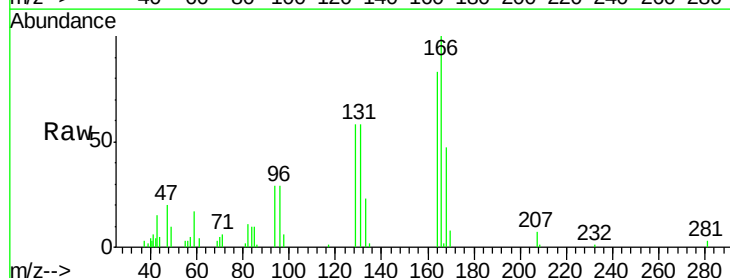
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL-SOIL-06

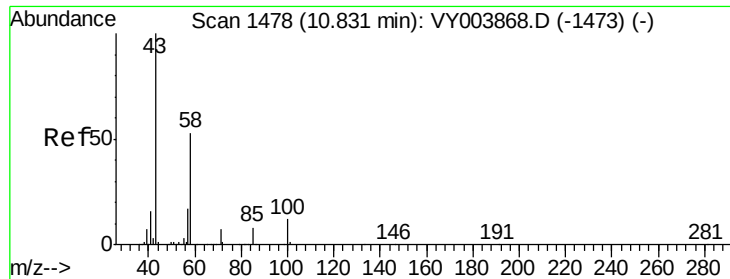
Tot Ion:	97	Resp:	4441
Ion	Ratio	Lower	Upper
97	100		
99	74.7	46.0	85.4
83	76.1	60.8	112.8
85	47.2	38.4	71.2



#46
 Tetrachloroethene
 Concen: 1.191 ug/L
 RT: 10.72 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

Tgt Ion:	164	Resp:	5112
Ion	Ratio	Lower	Upper
164	100		
129	69.6	62.5	116.1
131	69.2	60.7	112.7
166	119.8	87.2	162.0

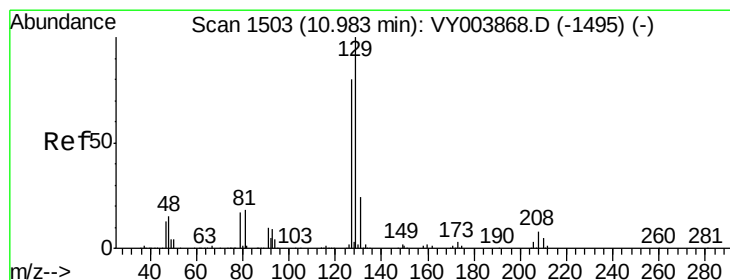
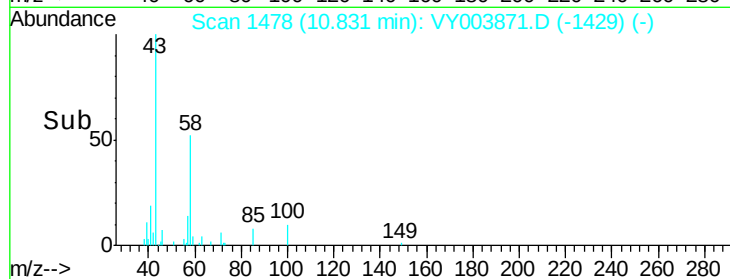
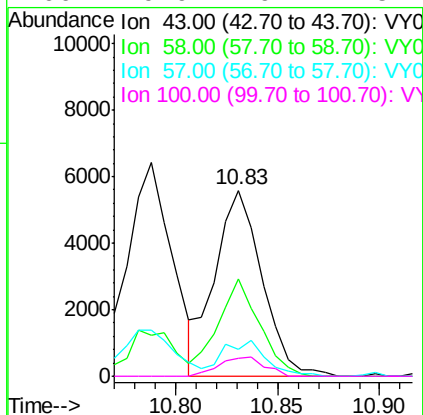
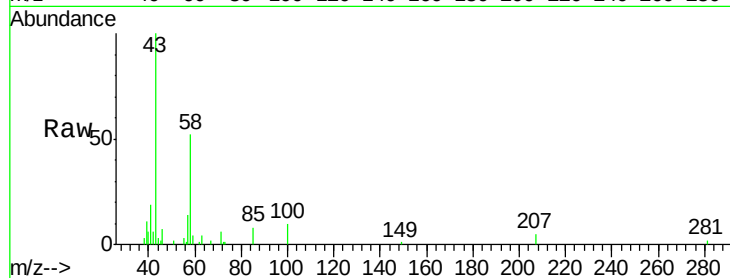




#48
2-Hexanone
Concen: 2.521 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

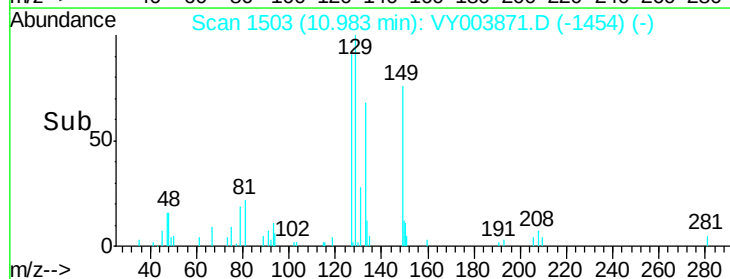
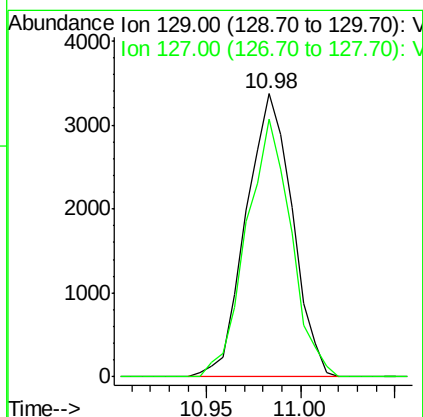
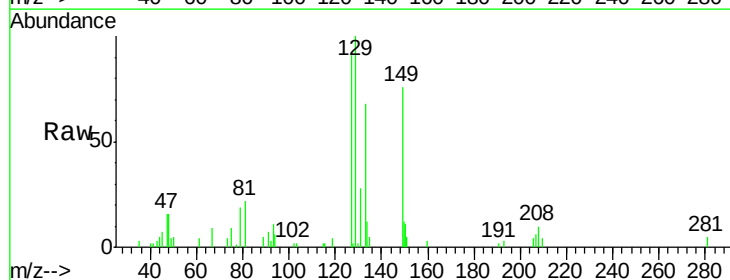
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-06

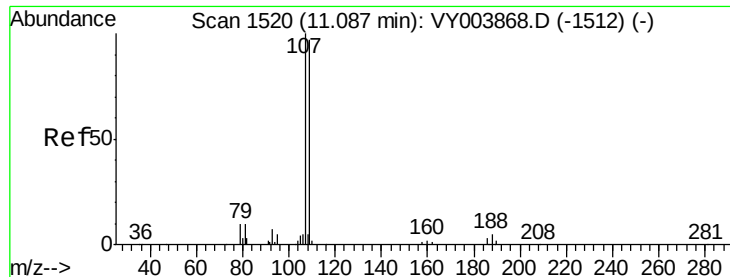
Tot Ion:	43	Resp:	8965
Ion	Ratio	Lower	Upper
43	100		
58	46.2	40.6	60.8
57	17.7	14.5	21.7
100	9.9	9.1	13.7



#49
Dibromochloromethane
Concen: 1.155 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

Tgt Ion:	129	Resp:	5742
Ion	Ratio	Lower	Upper
129	100		
127	89.5	52.7	97.9

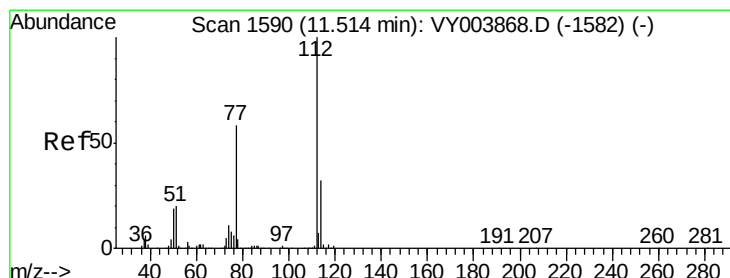
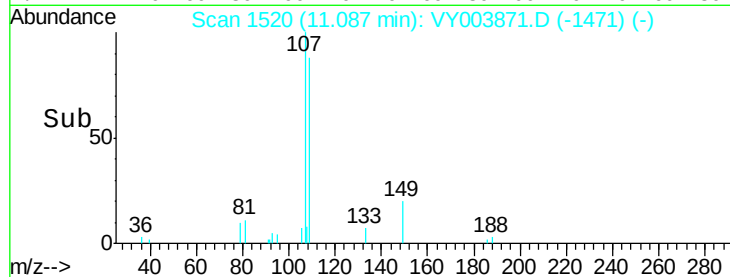
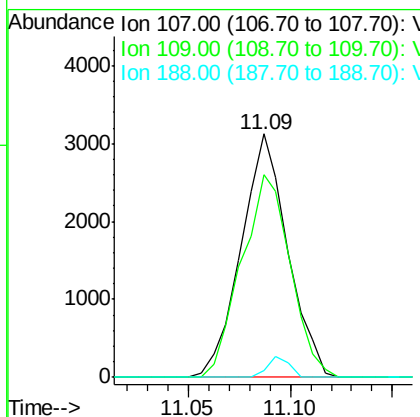
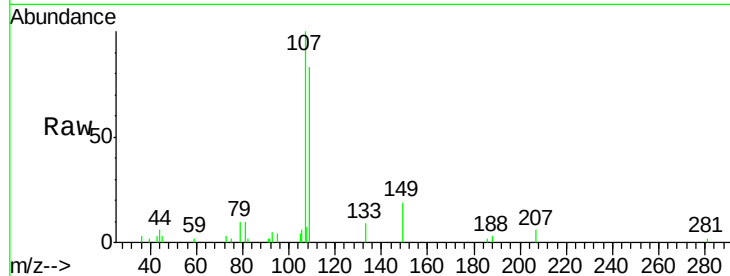




#50
1,2-Dibromoethane
Concen: 1.278 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

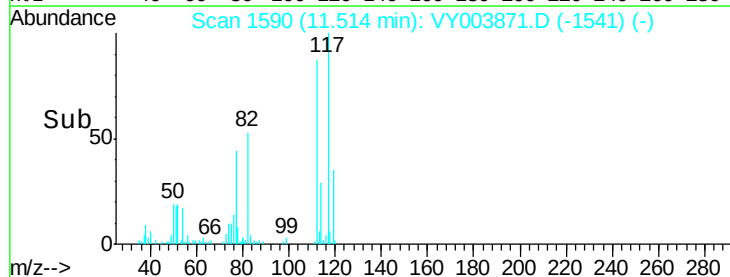
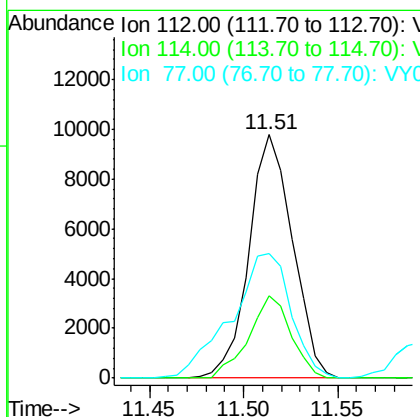
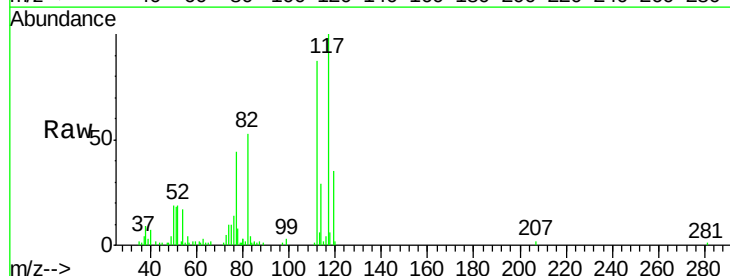
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-06

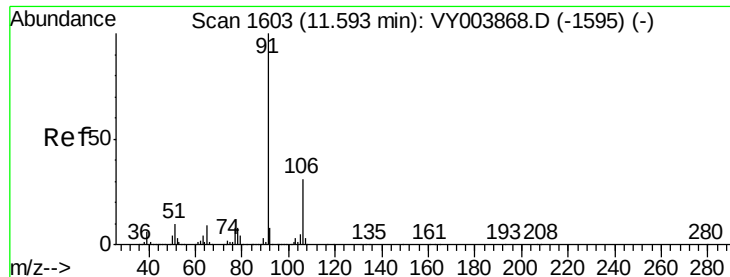
Tot Ion:107 Resp: 4958
Ion Ratio Lower Upper
107 100
109 83.4 65.5 121.7
188 3.0 3.6 5.4#



#51
Chlorobenzene
Concen: 1.219 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

Tgt Ion:112 Resp: 15663
Ion Ratio Lower Upper
112 100
114 33.8 22.5 41.9
77 51.2 45.2 67.8





#52

Ethylbenzene

Concen: 1.100 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

Instrument :

MSVOA_Y

ClientSampleId :

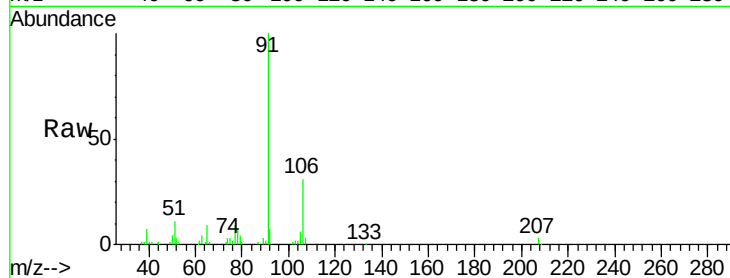
MDL-SOIL-06

Tot Ion: 91 Resp: 24475

Ion Ratio Lower Upper

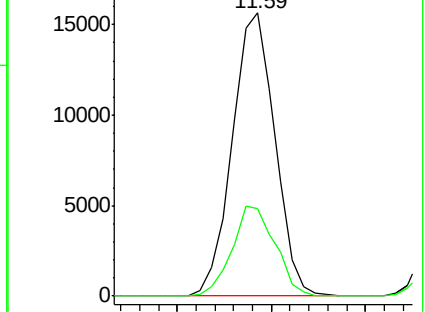
91 100

106 30.7 21.6 40.0

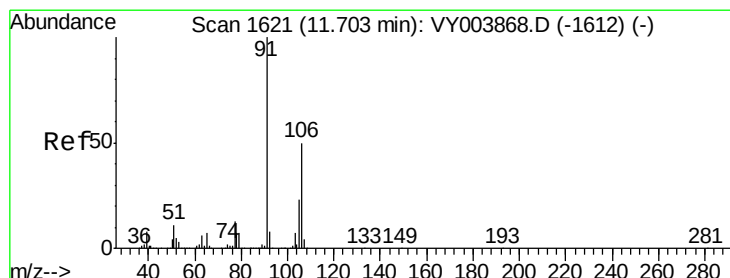
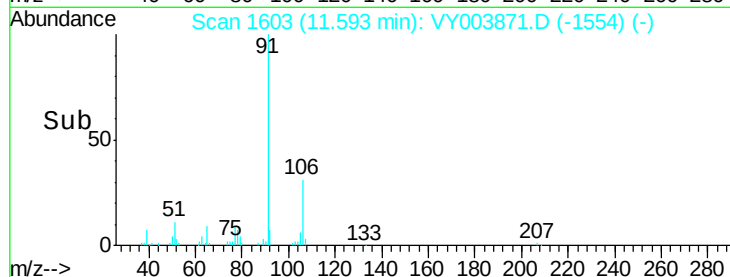


Abundance Ion 91.00 (90.70 to 91.70): VY003868.D (-1595) (-)

Ion 106.00 (105.70 to 106.70): VY003868.D (-1595) (-)



Time-->



#53

m,p-Xylene

Concen: 1.125 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003871.D

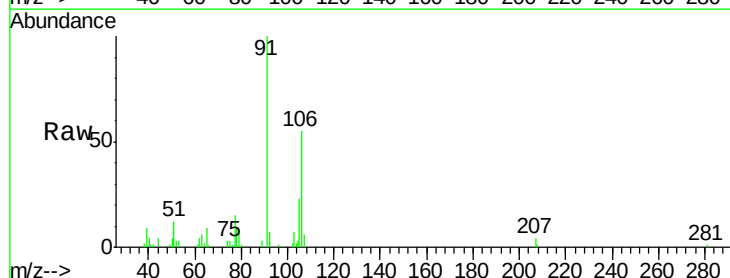
Acq: 04 Jan 2021 15:11

Tgt Ion: 106 Resp: 9496

Ion Ratio Lower Upper

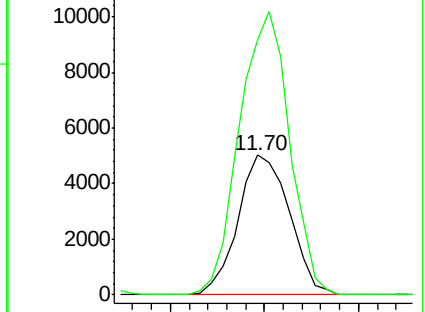
106 100

91 182.9 146.3 271.7

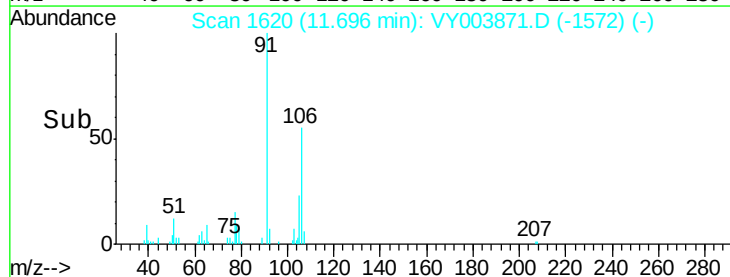


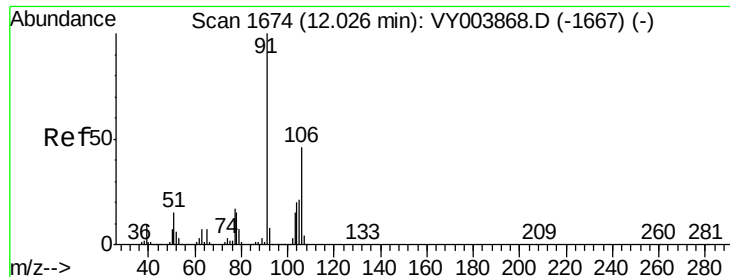
Abundance Ion 106.00 (105.70 to 106.70): VY003868.D (-1612) (-)

Ion 91.00 (90.70 to 91.70): VY003868.D (-1612) (-)



Time-->

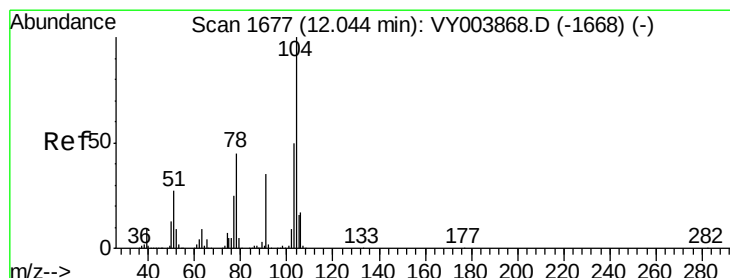
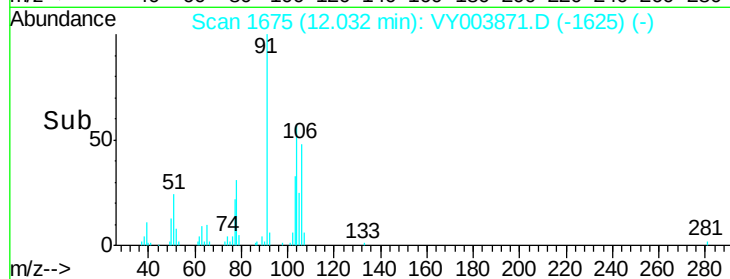
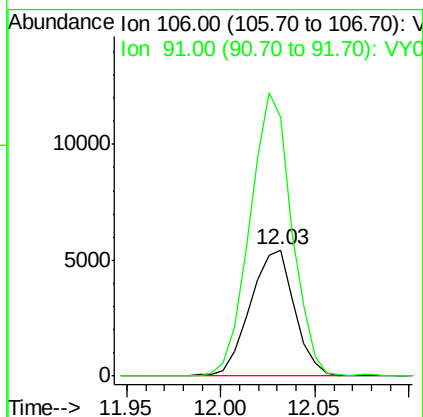
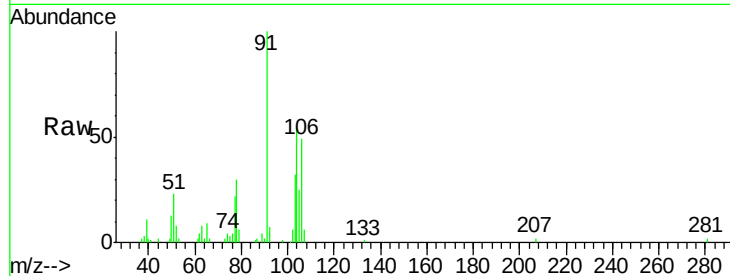




#54
o-Xylene
Concen: 1.079 ug/L
RT: 12.03 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

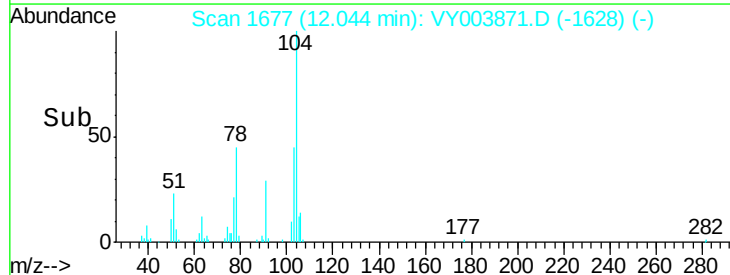
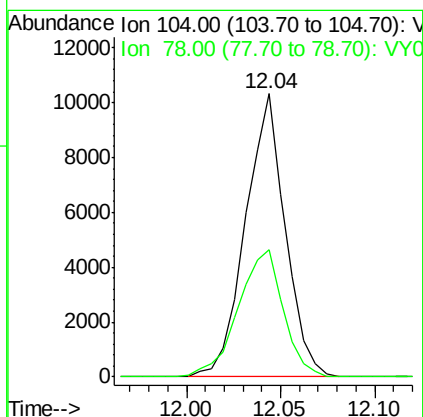
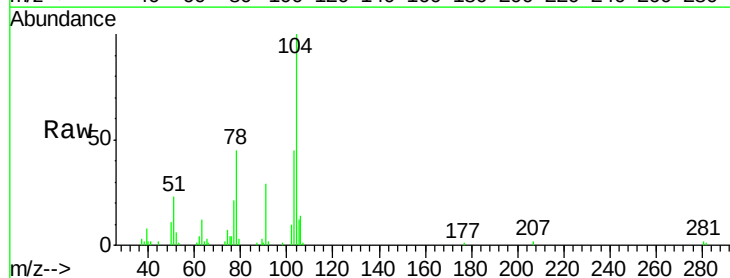
Instrument :
MSVOA_Y
ClientSampled :
MDL-SOIL-06

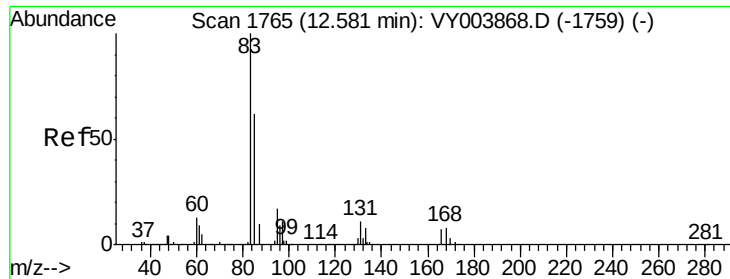
Tot Ion:106 Resp: 8871
Ion Ratio Lower Upper
106 100
91 204.9 147.7 274.3



#55
Styrene
Concen: 1.058 ug/L
RT: 12.04 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

Tgt Ion:104 Resp: 15038
Ion Ratio Lower Upper
104 100
78 45.0 33.2 61.7

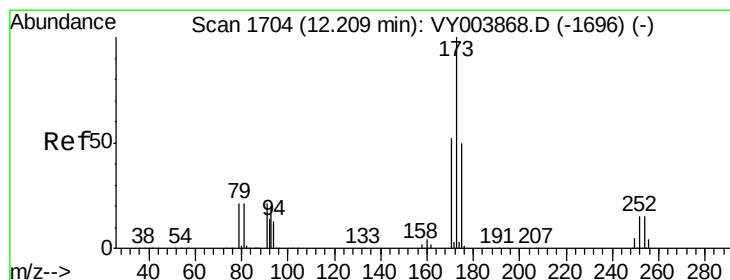
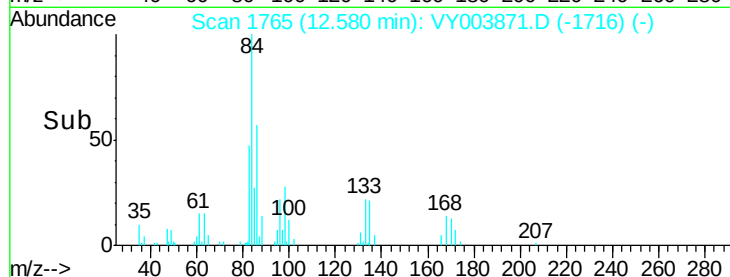
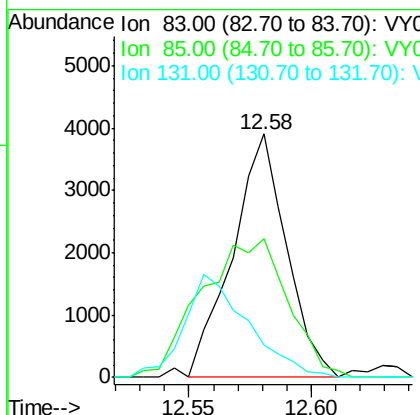
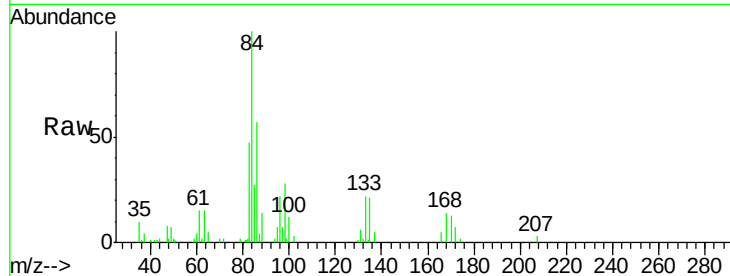




#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.293 ug/L
 RT: 12.58 min Scan# 1765
 Delta R.T. -0.00 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

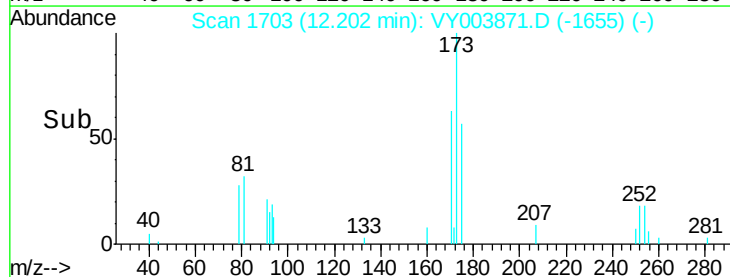
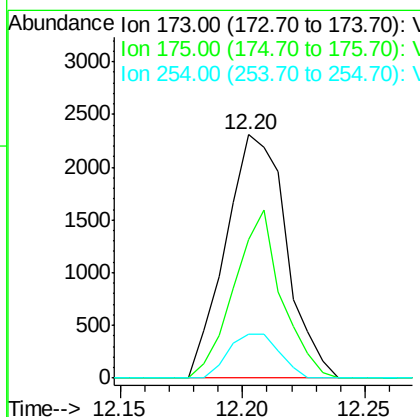
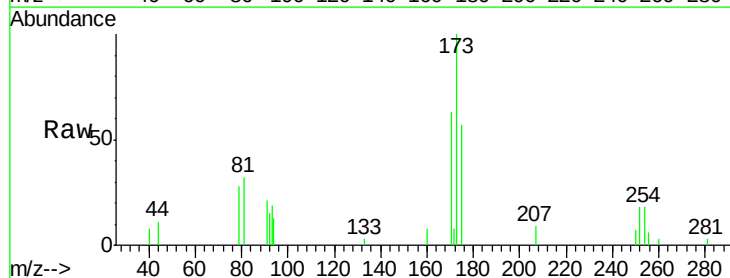
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-06

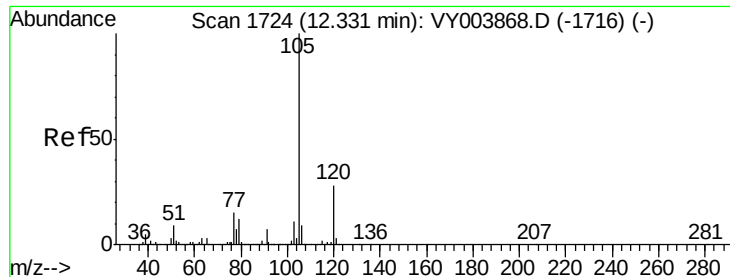
Tot Ion: 83 Resp: 6008
 Ion Ratio Lower Upper
 83 100
 85 56.9 44.9 83.3
 131 13.5 9.0 13.6



#59
 Bromoform
 Concen: 1.111 ug/L
 RT: 12.20 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

Tgt Ion: 173 Resp: 3978
 Ion Ratio Lower Upper
 173 100
 175 54.2 38.9 58.3
 254 15.3 11.5 17.3





#60

Isopropylbenzene

Concen: 1.066 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. -0.01 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-06

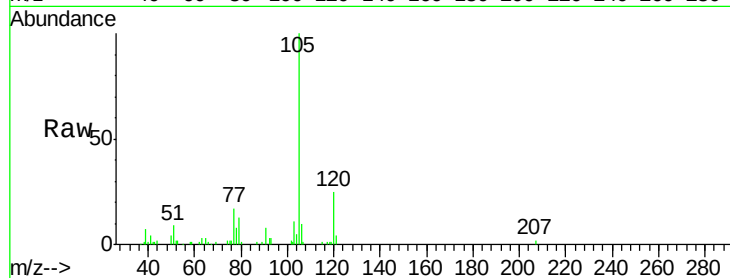
Tot Ion:105 Resp: 23386

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

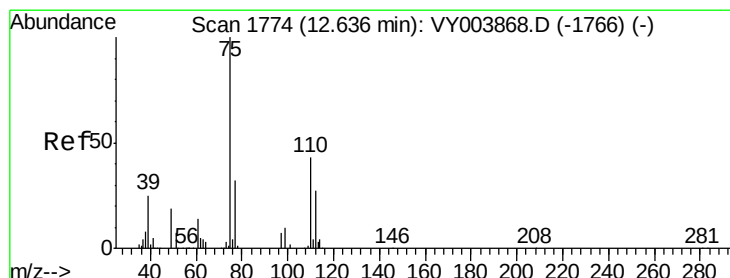
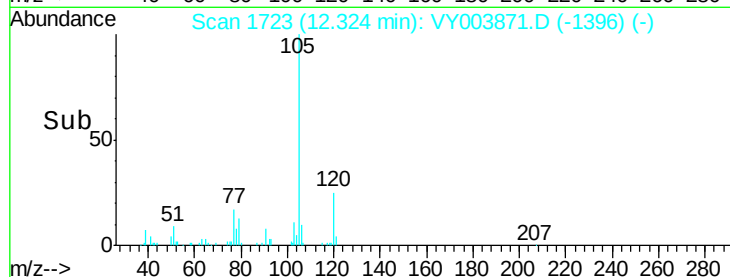
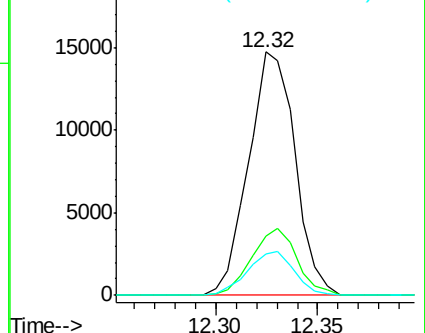
77 18.0 12.9 19.3



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: 1.199 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

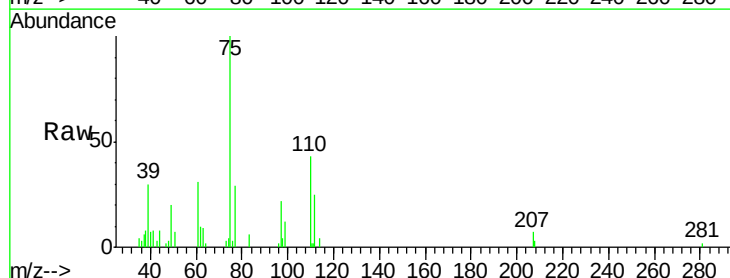
Tgt Ion: 75 Resp: 4888

Ion Ratio Lower Upper

75 100

77 34.0 26.2 39.4

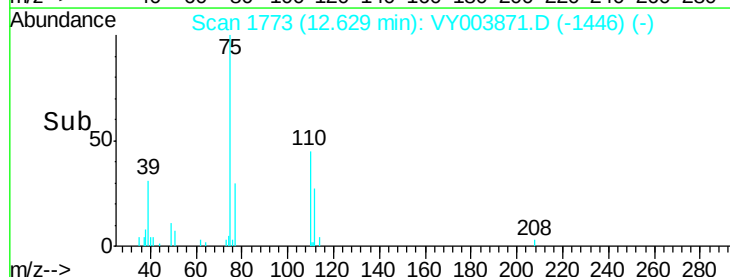
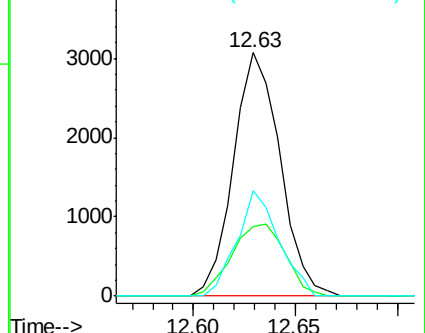
110 38.9 32.4 48.6

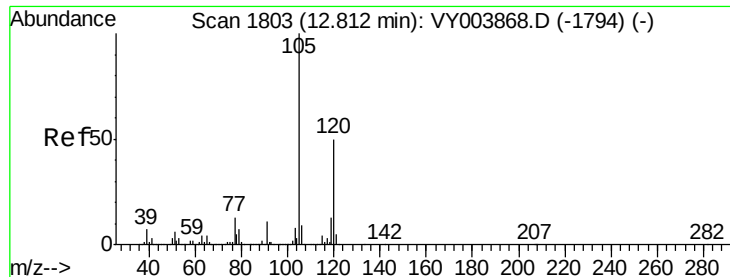


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 1.009 ug/L

RT: 12.81 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

Instrument :

MSVOA_Y

ClientSampleId :

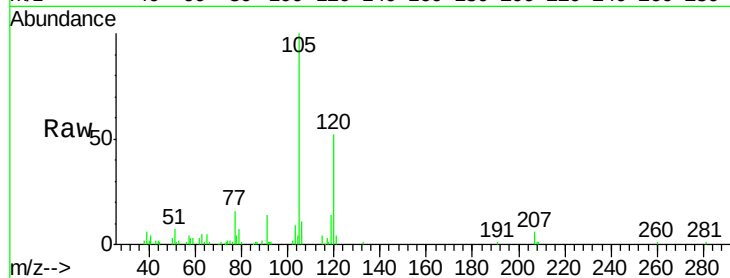
MDL-SOIL-06

Tot Ion:105 Resp: 18384

Ion Ratio Lower Upper

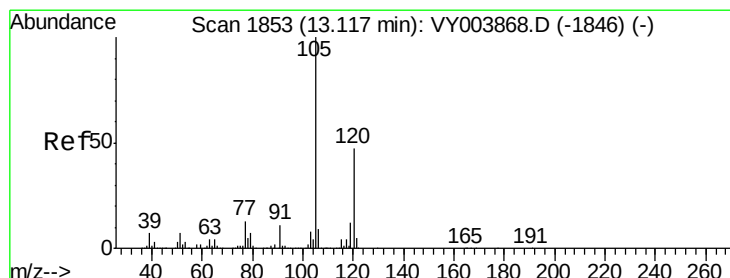
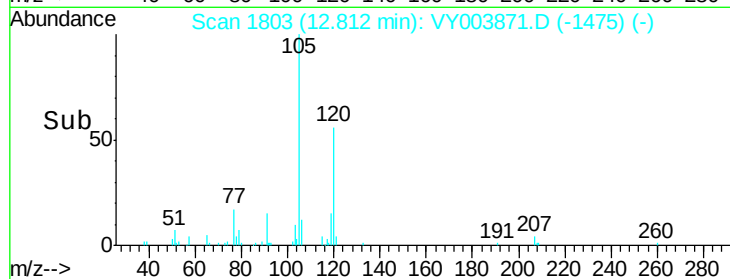
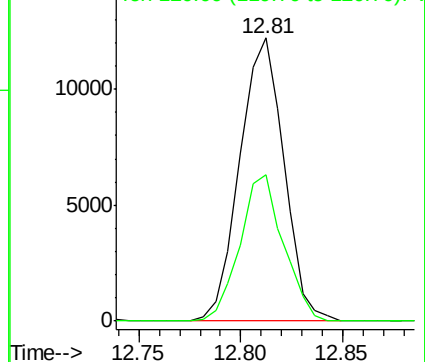
105 100

120 50.8 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: 1.039 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VY003871.D

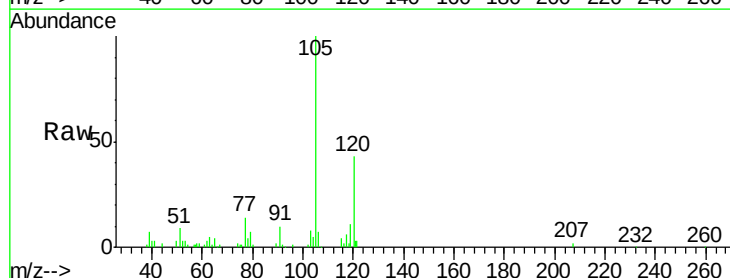
Acq: 04 Jan 2021 15:11

Tgt Ion:105 Resp: 19177

Ion Ratio Lower Upper

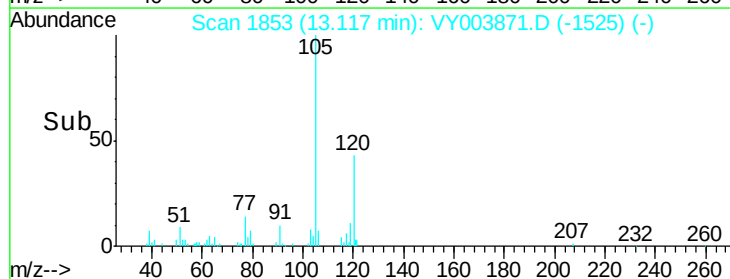
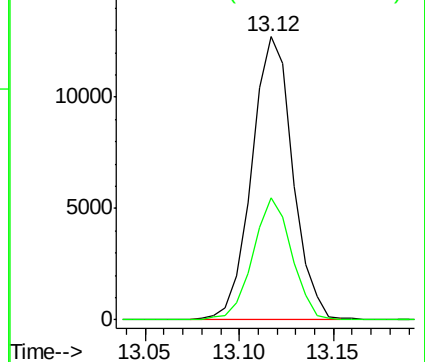
105 100

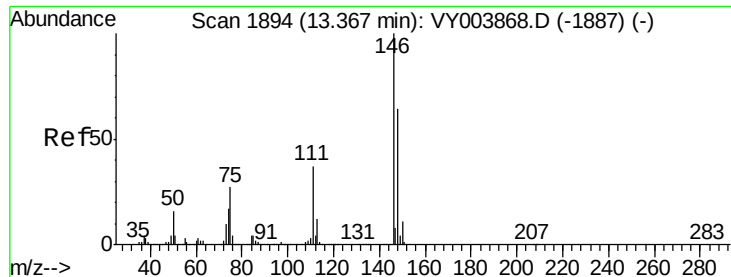
120 40.8 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

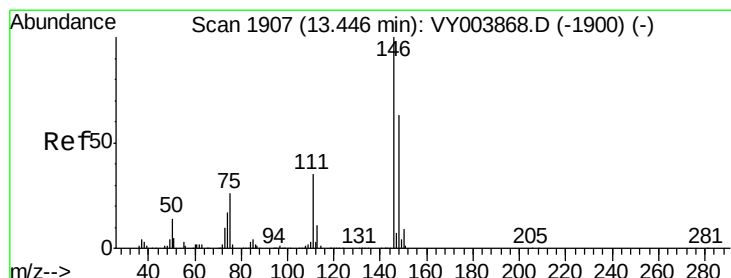
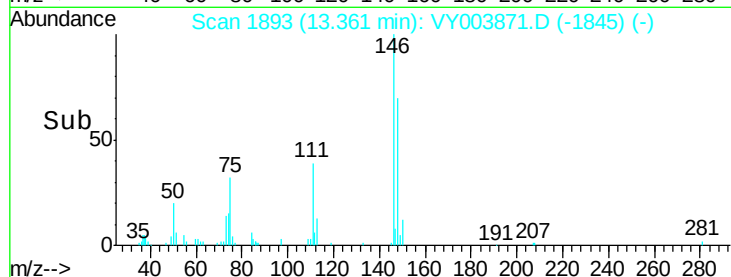
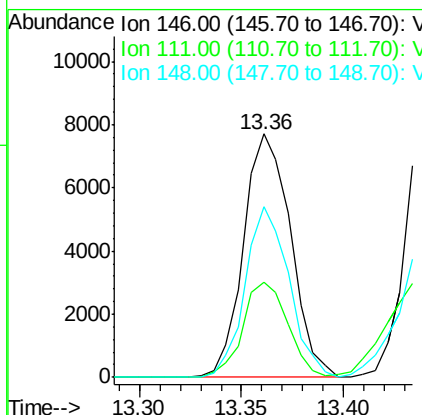
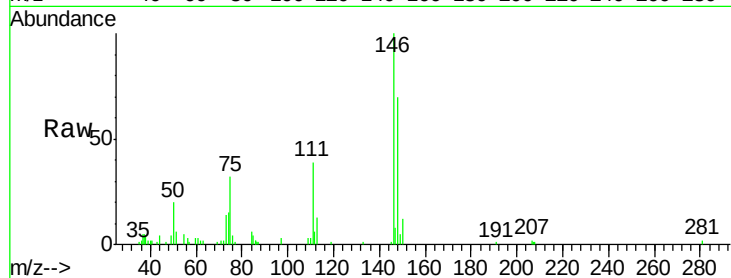




#64
 1,3-Dichlorobenzene
 Concen: 1.163 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. -0.01 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

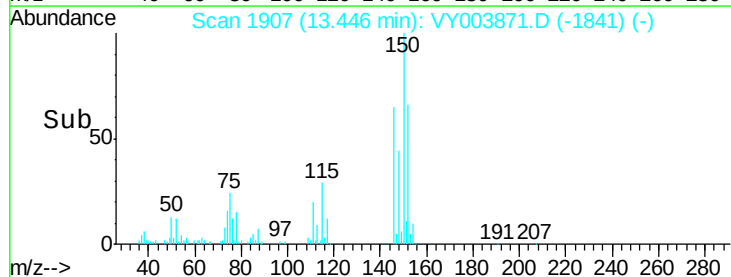
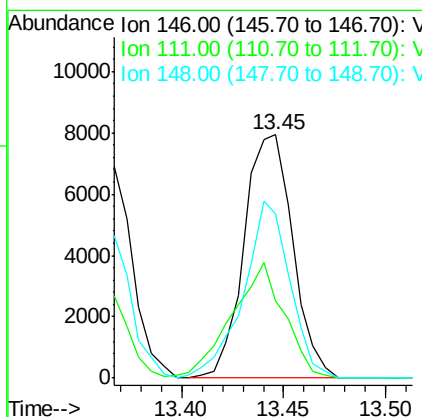
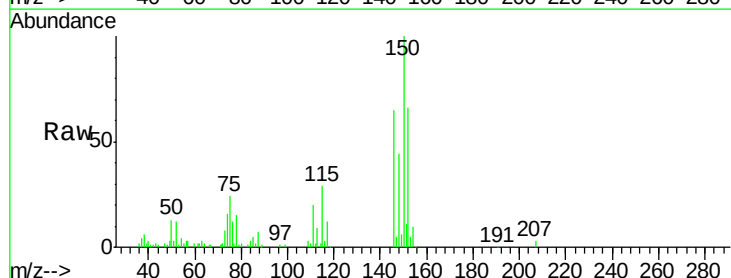
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-06

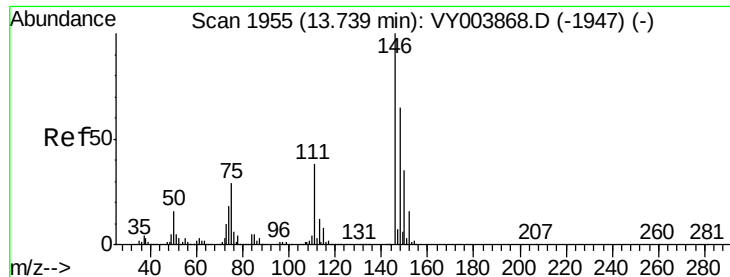
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.7	51.5
148	70.1	45.4	84.4



#65
 1,4-Dichlorobenzene
 Concen: 1.224 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.5	25.7	47.7
148	67.5	44.4	82.4

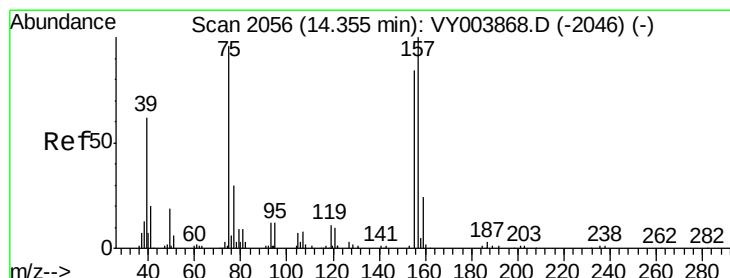
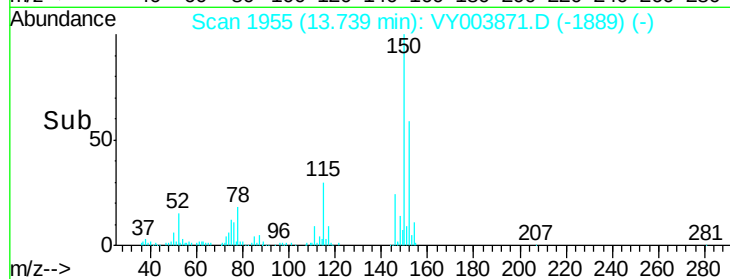
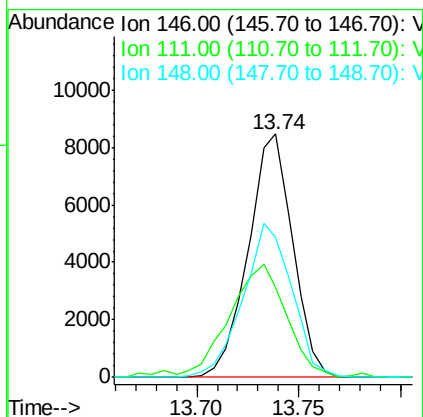
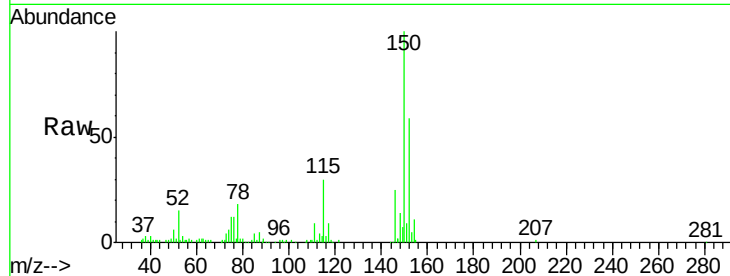




#67
 1,2-Dichlorobenzene
 Concen: 1.290 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

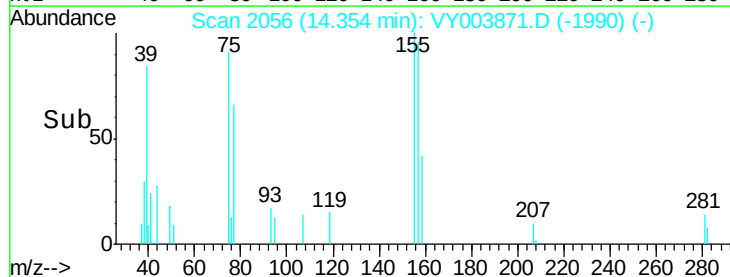
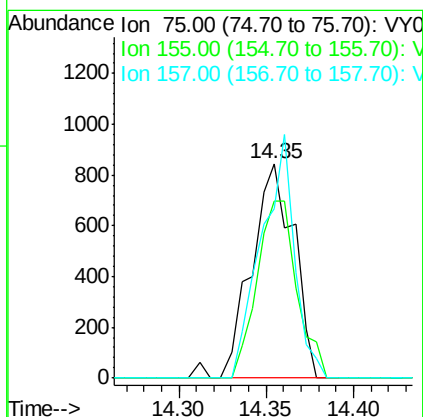
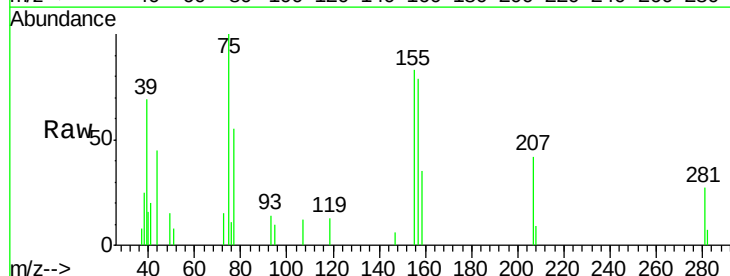
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL-SOIL-06

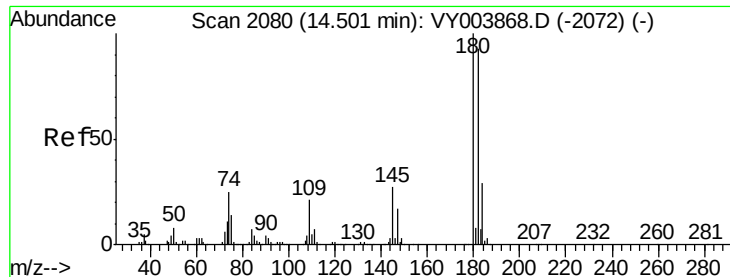
Tot Ion:146 Resp: 12837
 Ion Ratio Lower Upper
 146 100
 111 36.9 31.3 46.9
 148 57.7 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.414 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

Tgt Ion: 75 Resp: 1433
 Ion Ratio Lower Upper
 75 100
 155 82.6 68.2 102.4
 157 79.1 90.2 135.4#

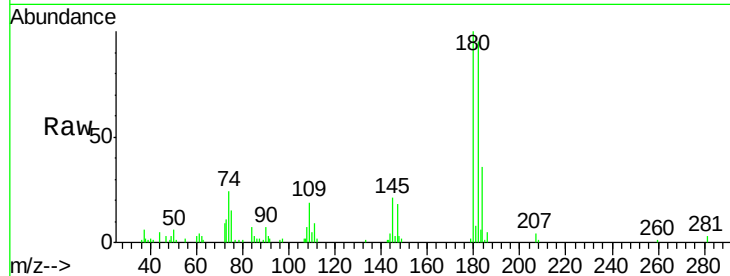




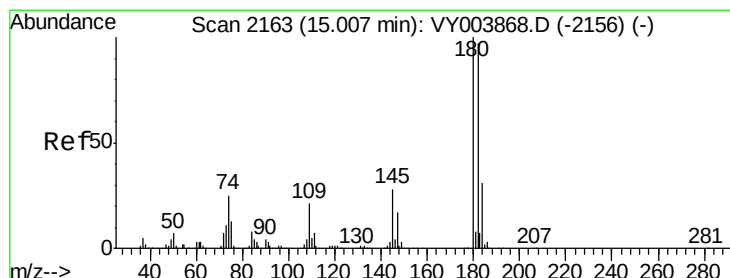
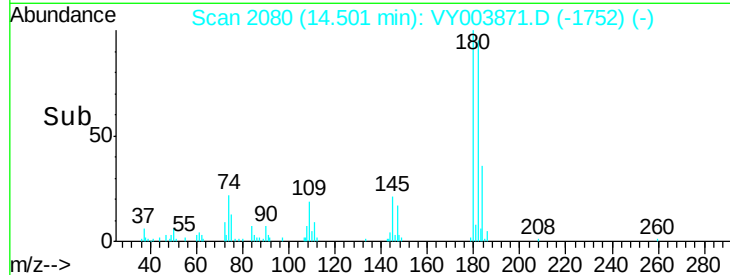
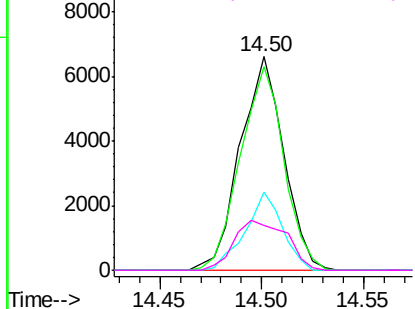
#69
 1,3,5-Trichlorobenzene
 Concen: 1.183 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-06

Tot Ion:180 Resp: 9801
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.6 113.4
 184 31.2 24.9 37.3
 145 28.3 21.8 32.6

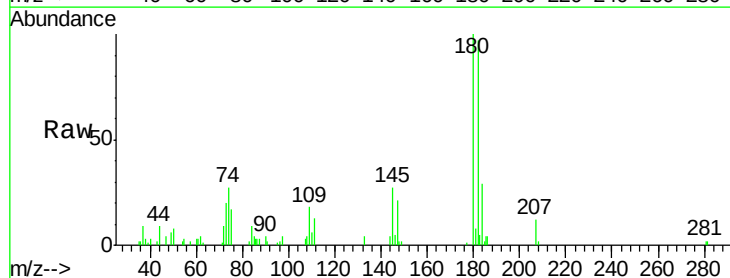


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

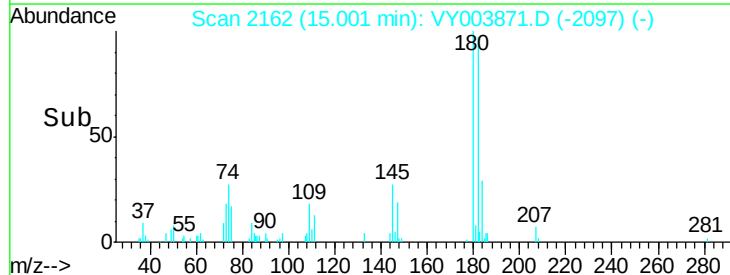
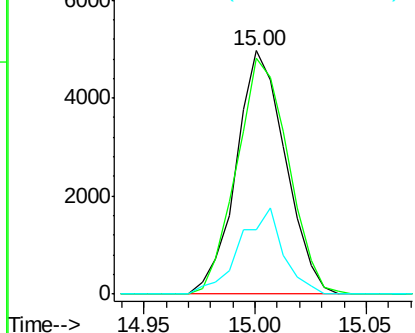


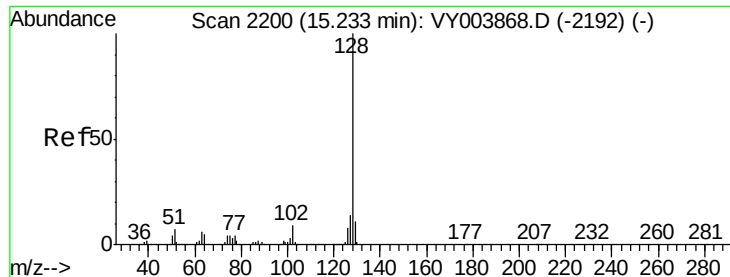
#70
 1,2,4-trichlorobenzene
 Concen: 1.091 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.01 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

Tgt Ion:180 Resp: 7663
 Ion Ratio Lower Upper
 180 100
 182 101.4 76.1 114.1
 145 31.3 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

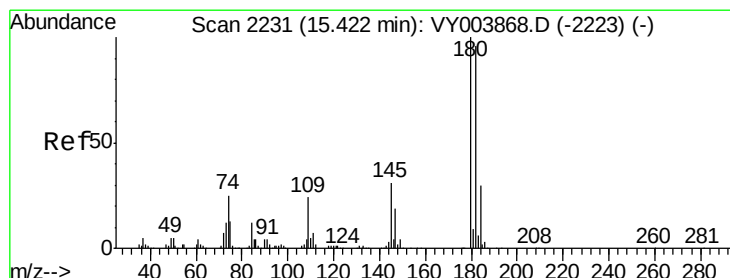
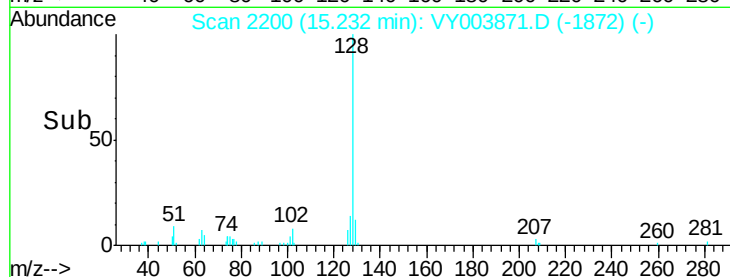
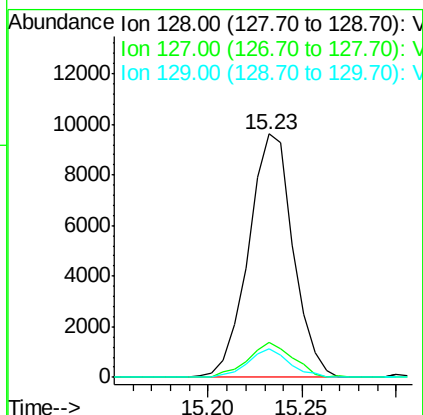
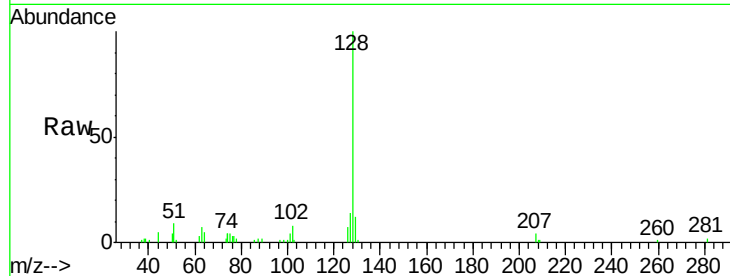




#71
Naphthalene
Concen: 1.075 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-06

Tot Ion:128 Resp: 15761
Ion Ratio Lower Upper
128 100
127 14.2 10.7 16.1
129 10.9 8.9 13.3



#72
1,2,3-Trichlorobenzene
Concen: 1.159 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

Tgt Ion:180 Resp: 7192
Ion Ratio Lower Upper
180 100
182 100.7 74.6 111.8
145 29.3 23.3 34.9

