

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 04:10:09 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
6) Bromomethane	2.66	94	4503	1.188 ug/L	93
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	5669	1.388 ug/L #	1
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
23) Bromochloromethane	7.34	128	2797	1.171 ug/L	91
27) 1,2-Dichloroethane	8.24	62	8094	1.231 ug/L	98
29) Cyclohexane	7.78	56	8910	1.157 ug/L	87

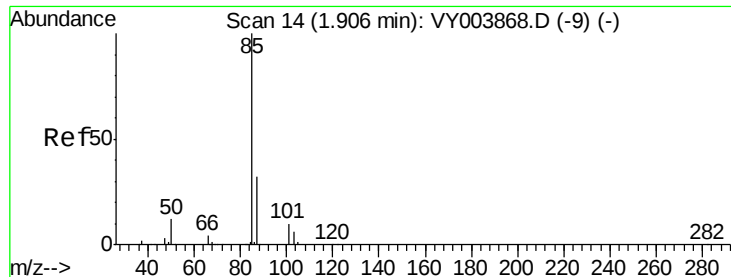
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 QLast Update : Tue Jan 05 04:09:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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 :

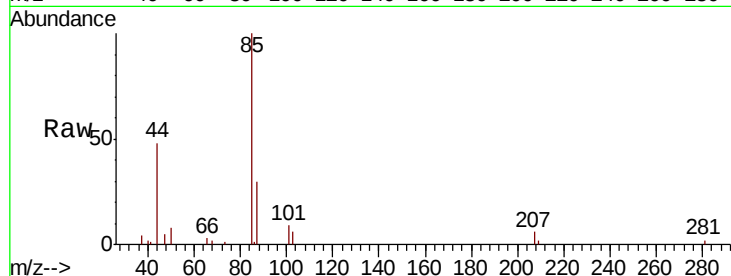
MDL-SOIL-06

Tot Ion: 85 Resp: 7196

Ion Ratio Lower Upper

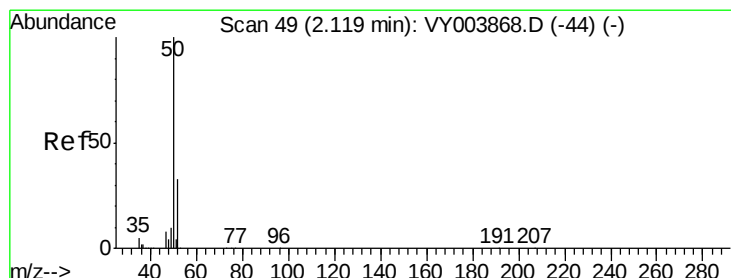
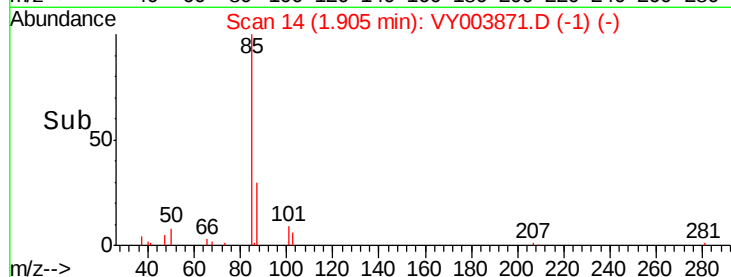
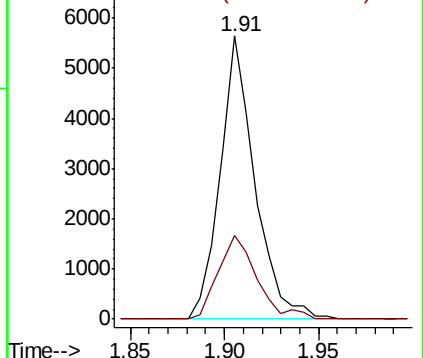
85 100

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

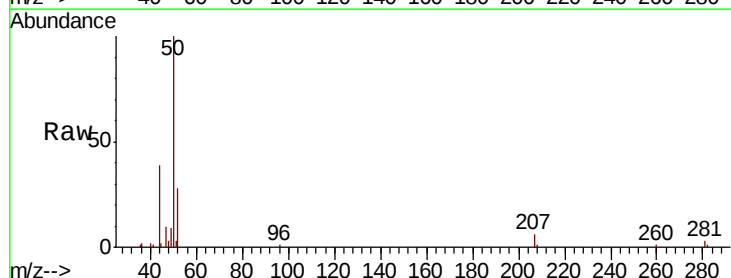
Acq: 04 Jan 2021 15:11

Tgt Ion: 50 Resp: 8763

Ion Ratio Lower Upper

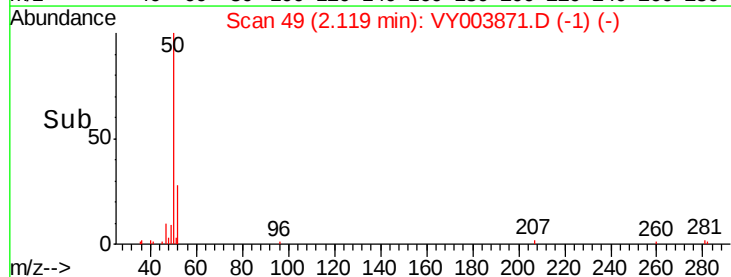
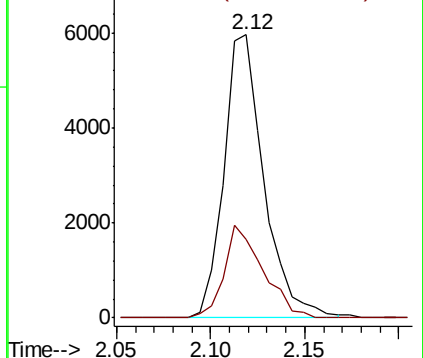
50 100

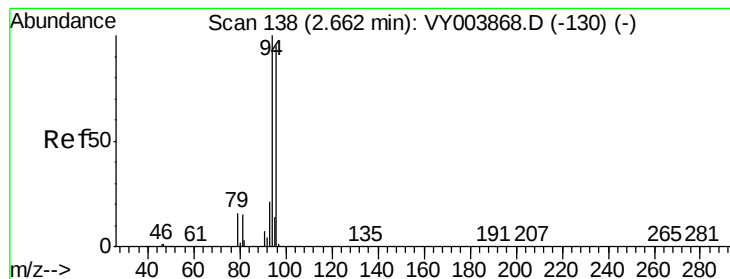
52 28.0 22.0 41.0



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#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

Instrument :

MSVOA_Y

ClientSampleId :

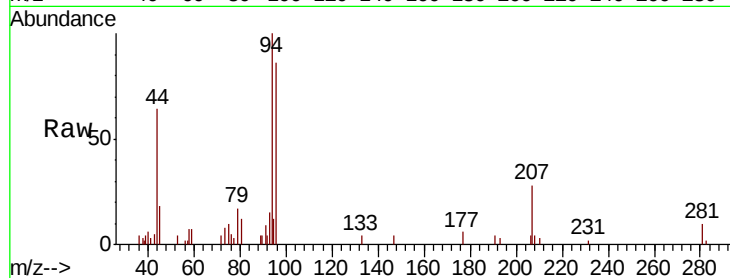
MDL-SOIL-06

Tot Ion: 94 Resp: 4503

Ion Ratio Lower Upper

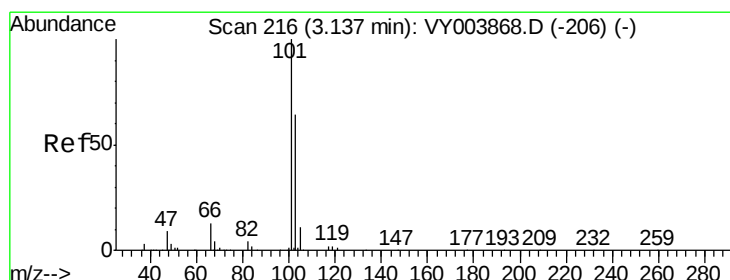
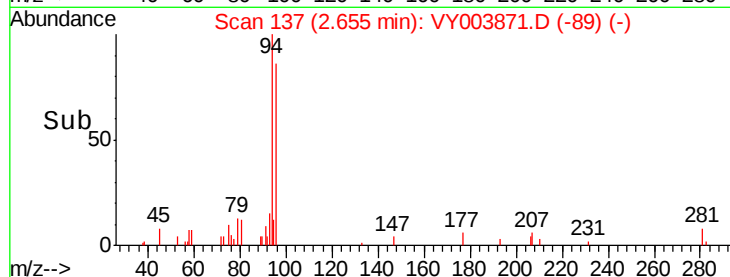
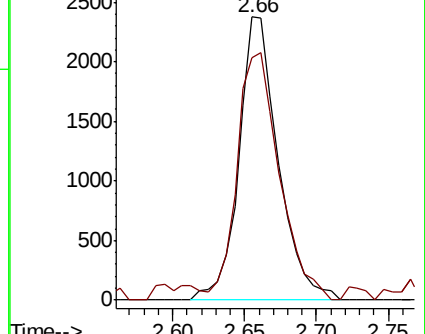
94 100

96 85.6 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0



#9

Trichlorofluoromethane

Concen: 1.186 ug/L

RT: 3.13 min Scan# 215

Delta R.T. -0.01 min

Lab File: VY003871.D

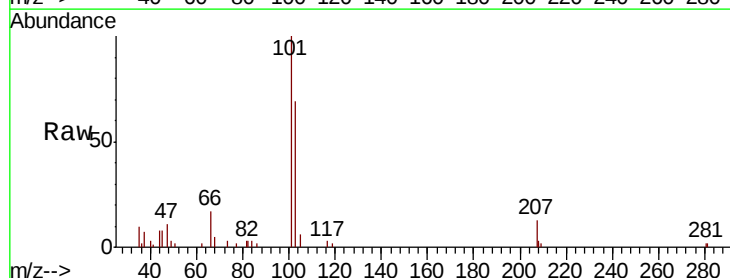
Acq: 04 Jan 2021 15:11

Tgt Ion: 101 Resp: 9822

Ion Ratio Lower Upper

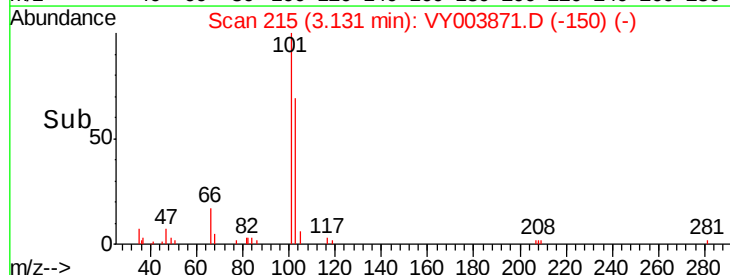
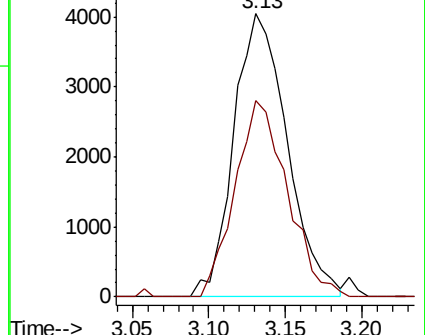
101 100

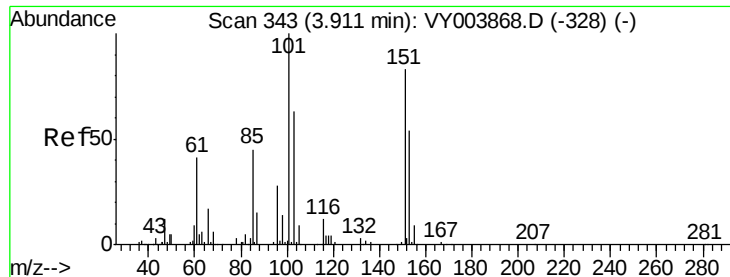
103 67.9 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#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

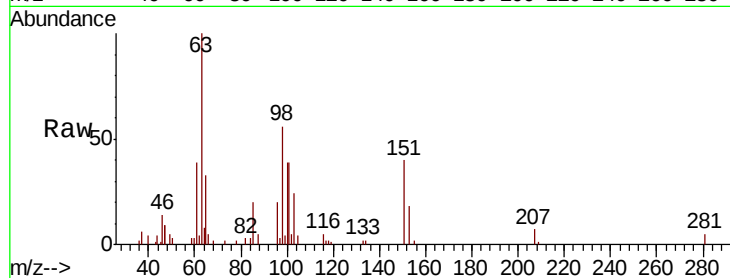
Tot Ion:101 Resp: 4454

Ion Ratio Lower Upper

101 100

85 41.0 37.1 55.7

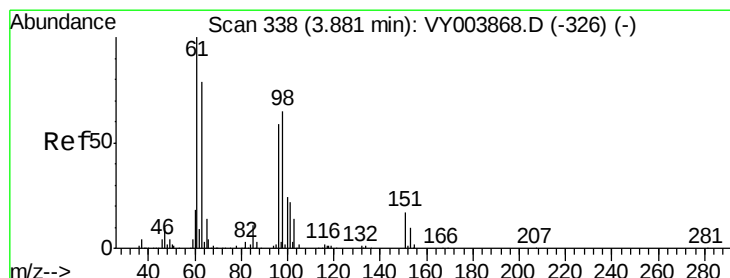
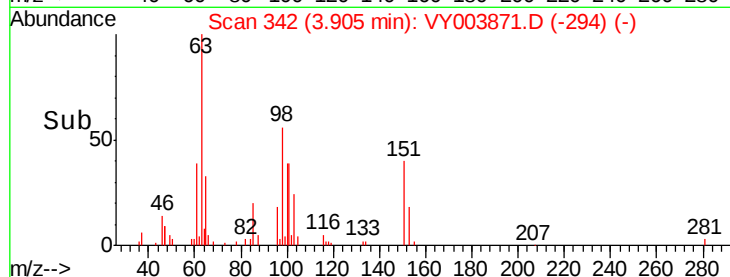
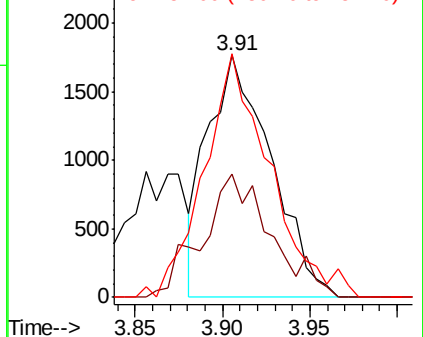
151 101.2 66.4 99.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VY0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.388 ug/L

RT: 3.87 min Scan# 337

Delta R.T. -0.01 min

Lab File: VY003871.D

Acq: 04 Jan 2021 15:11

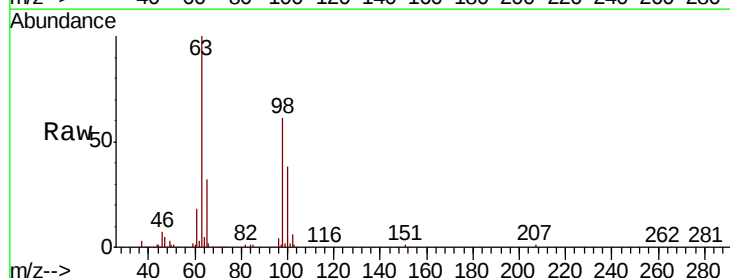
Tgt Ion: 96 Resp: 5669

Ion Ratio Lower Upper

96 100

61 412.7 123.8 230.0#

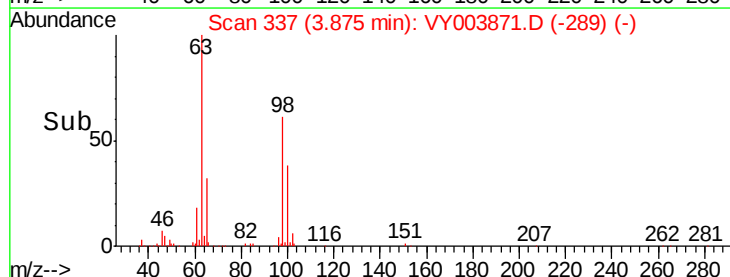
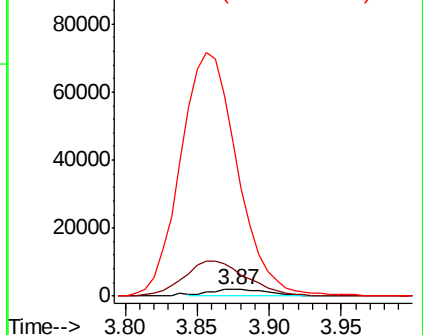
63 2293.0 85.3 158.3#

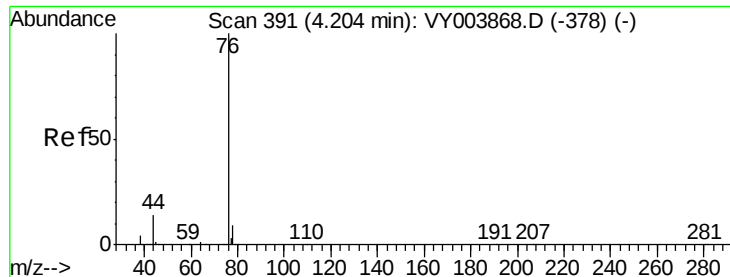


Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 63.00 (62.70 to 63.70): 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

Instrument :

MSVOA_Y

ClientSampleId :

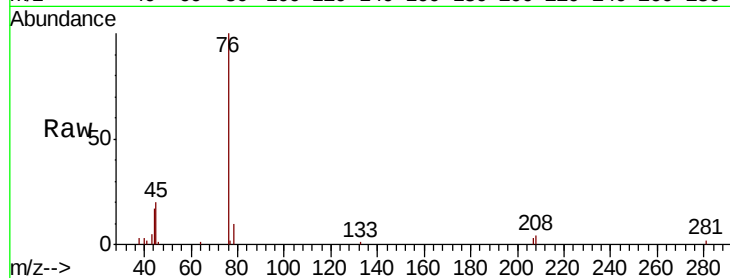
MDL-SOIL-06

Tot Ion: 76 Resp: 13255

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.2

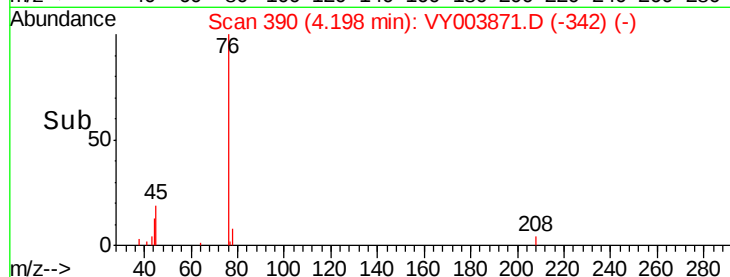


Abundance Ion 76.00 (75.70 to 76.70): VY003868.D (-378) (-)

Ion 78.00 (77.70 to 78.70): VY003868.D (-378) (-)

4.20

Time-->



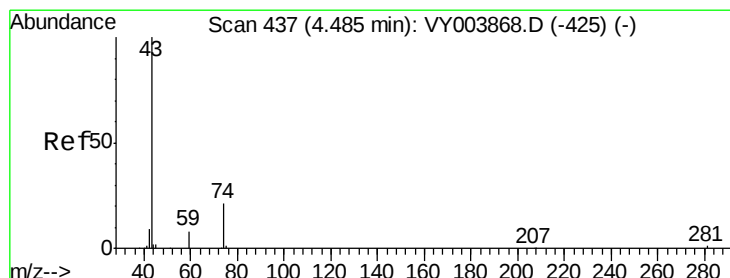
Abundance

Ion 76.00 (75.70 to 76.70): VY003871.D (-342) (-)

Ion 78.00 (77.70 to 78.70): VY003871.D (-342) (-)

4.20

Time-->



#15

Methyl Acetate

Concen: 1.185 ug/L

RT: 4.49 min Scan# 438

Delta R.T. 0.01 min

Lab File: VY003871.D

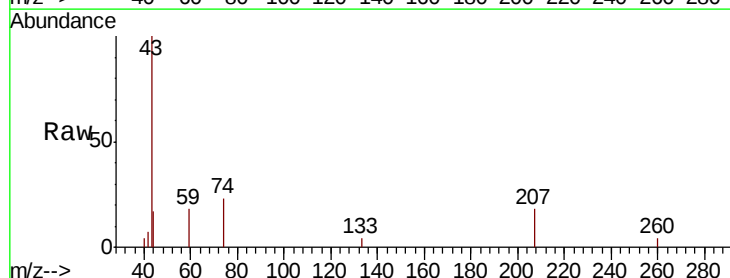
Acq: 04 Jan 2021 15:11

Tgt Ion: 43 Resp: 4075

Ion Ratio Lower Upper

43 100

74 15.3 17.4 26.2#

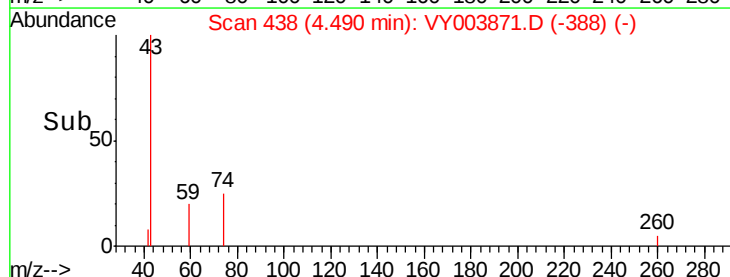


Abundance Ion 43.00 (42.70 to 43.70): VY003868.D (-425) (-)

Ion 74.00 (73.70 to 74.70): VY003868.D (-425) (-)

4.49

Time-->



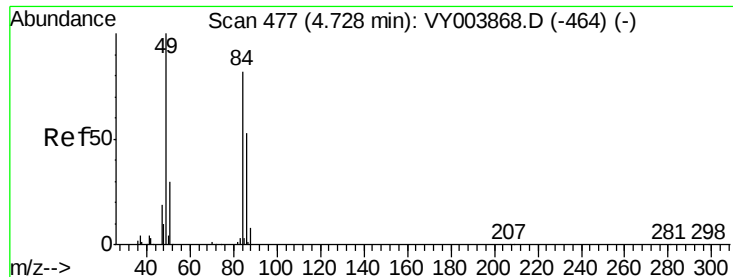
Abundance

Ion 43.00 (42.70 to 43.70): VY003871.D (-388) (-)

Ion 74.00 (73.70 to 74.70): VY003871.D (-388) (-)

4.49

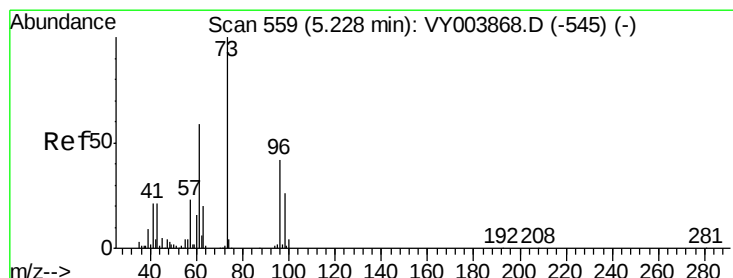
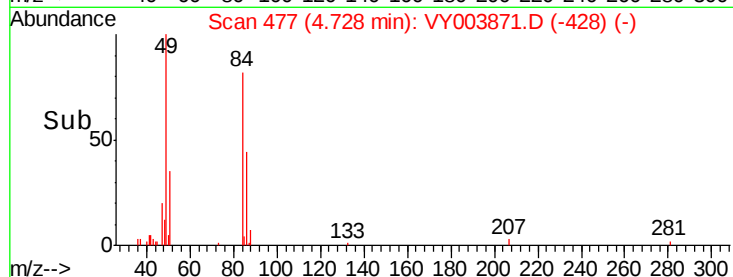
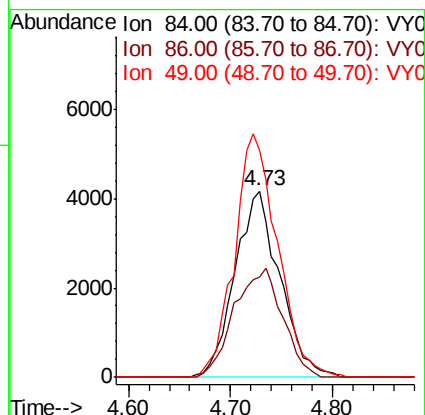
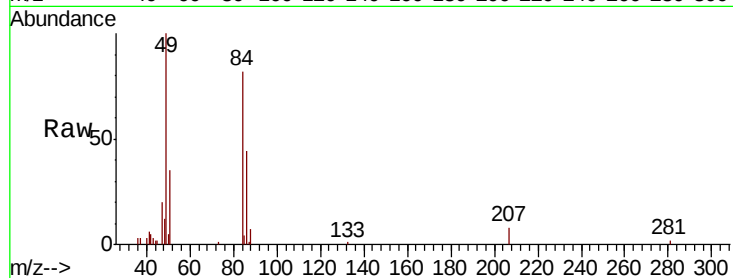
Time-->



#16
Methvlene 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

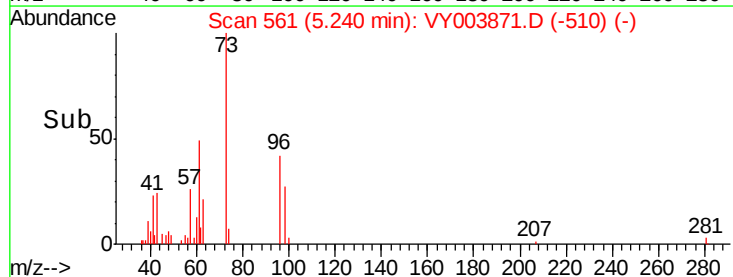
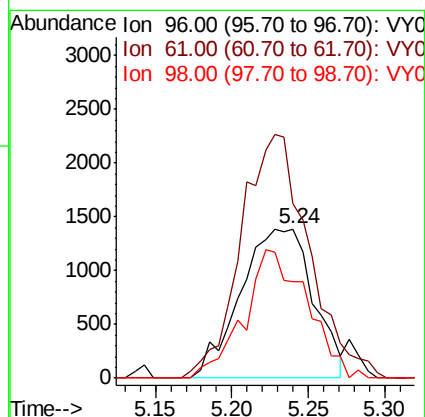
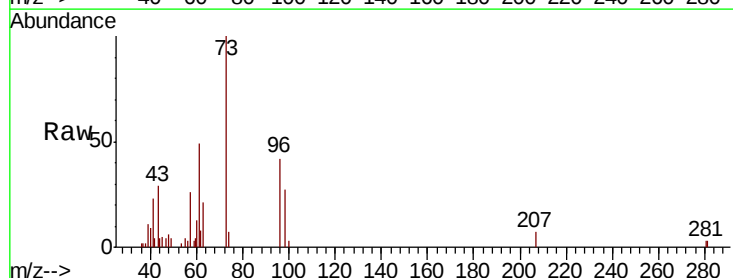
Instrument :
MSVOA_Y
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MDL-SOIL-06

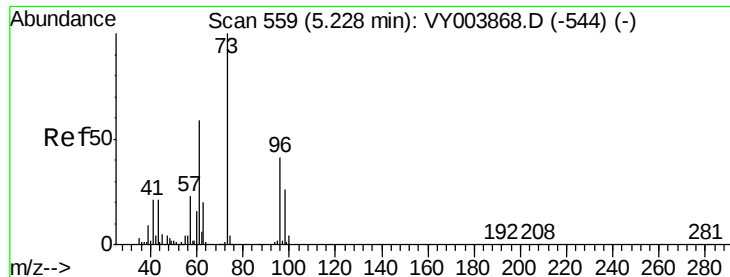
Tot Ion: 84 Resp: 12717
Ion Ratio Lower Upper
84 100
86 54.0 42.1 78.3
49 121.8 90.3 167.7



#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

Tgt Ion: 96 Resp: 4587
Ion Ratio Lower Upper
96 100
61 116.5 101.7 188.9
98 64.6 44.3 82.3

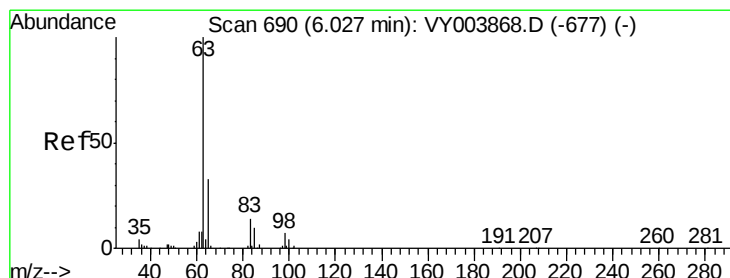
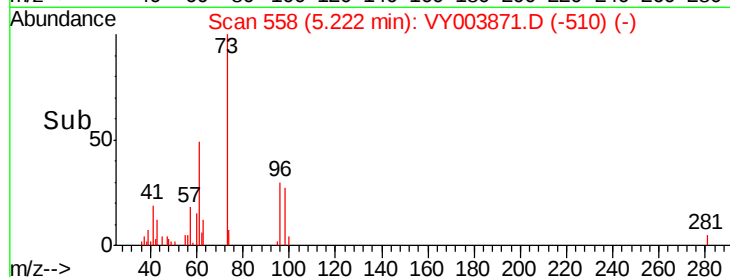
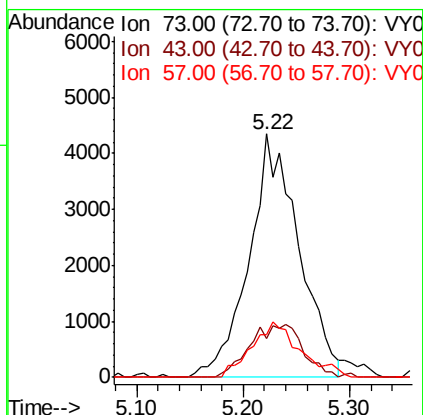
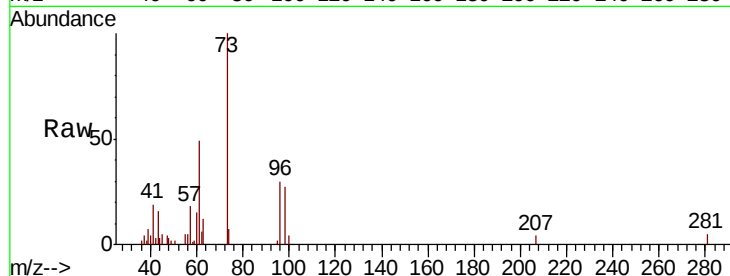




#18
Methvl tert-butvl Ether
Concen: 1.072 ug/L
RT: 5.22 min Scan# 558
Delta R.T. -0.01 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

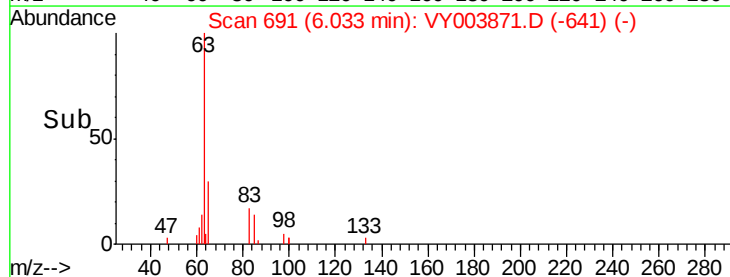
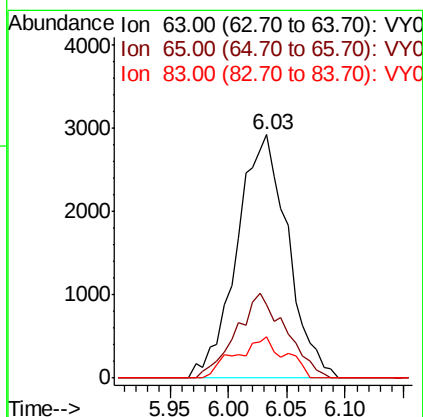
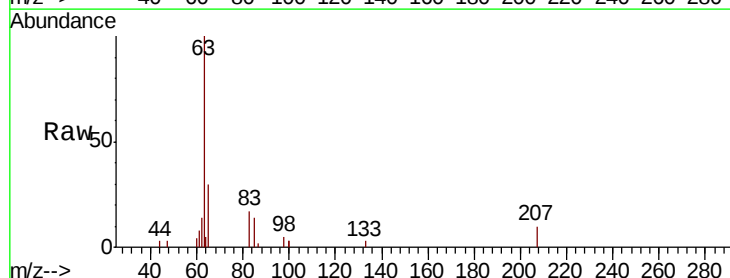
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-06

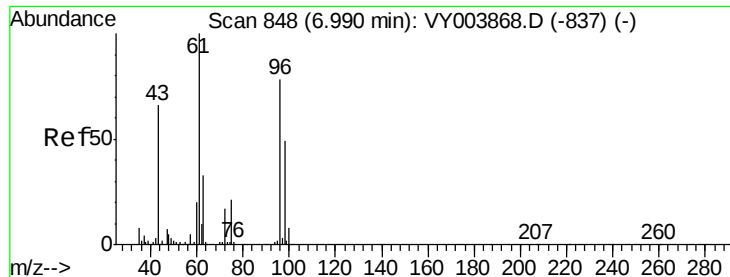
Tot Ion: 73 Resp: 14148
Ion Ratio Lower Upper
73 100
43 1.1 18.4 27.6#
57 20.6 17.6 26.4



#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

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

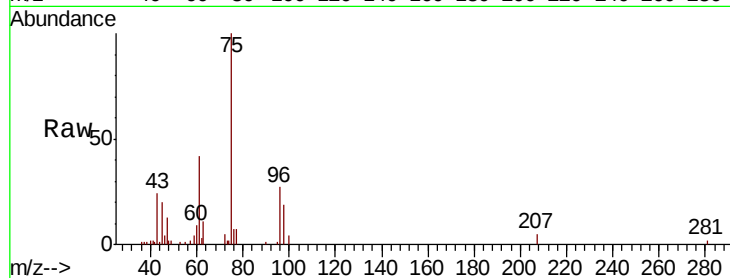




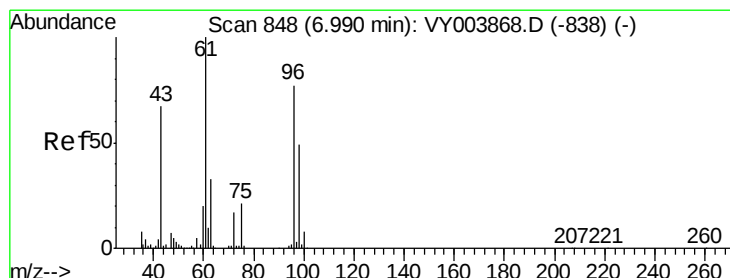
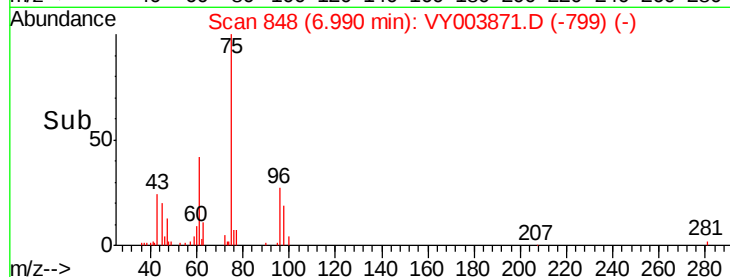
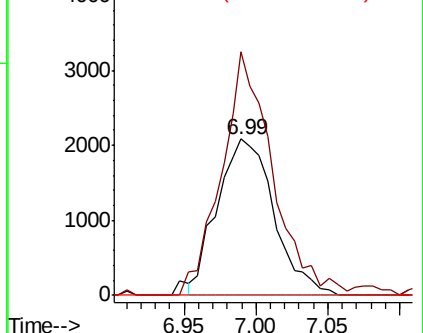
#20
 cis-1,2-Dichloroethene
 Concen: 1.183 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-06

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

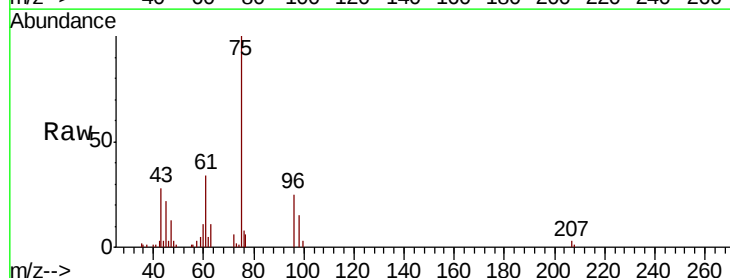


Abundance Ion 96.00 (95.70 to 96.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 68.00 (67.70 to 68.70): VY0

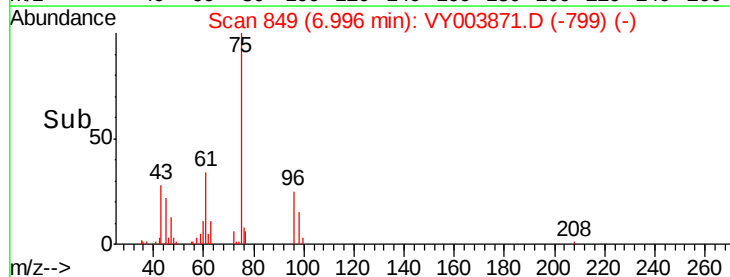
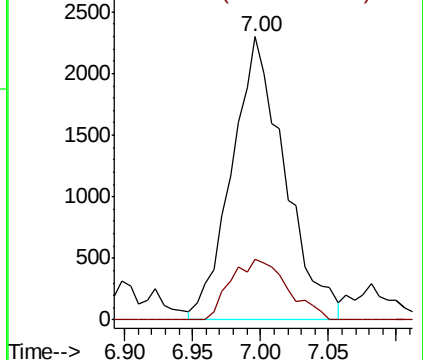


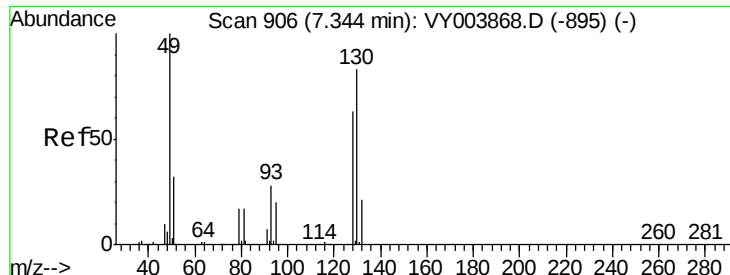
#22
 2-Butanone
 Concen: 2.700 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.01 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

Tgt 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

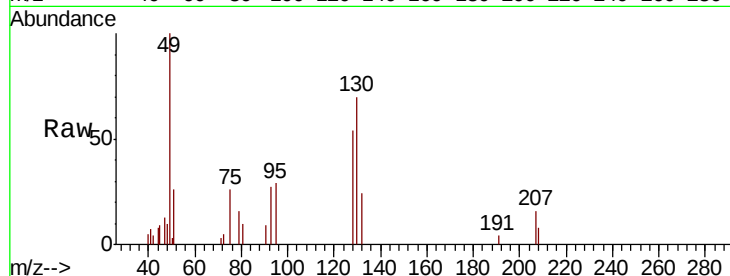




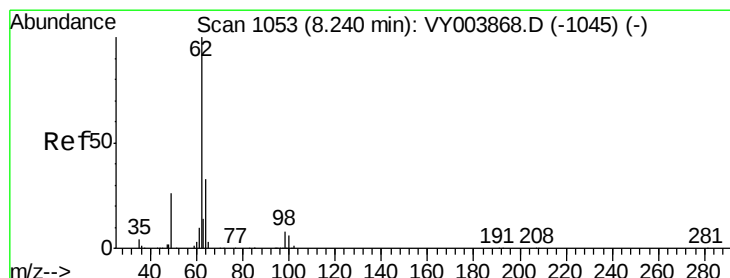
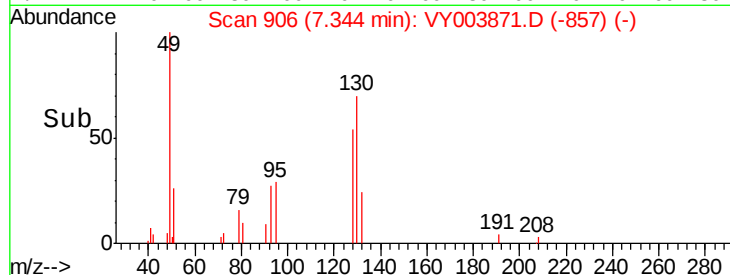
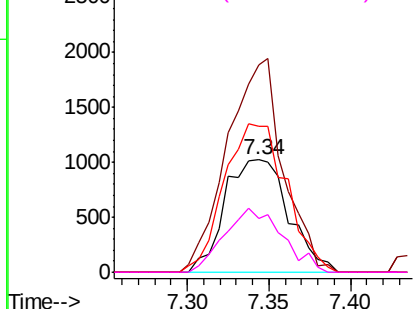
#23
Bromochloromethane
Concen: 1.171 ug/L
RT: 7.34 min Scan# 906
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-06

Tot 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

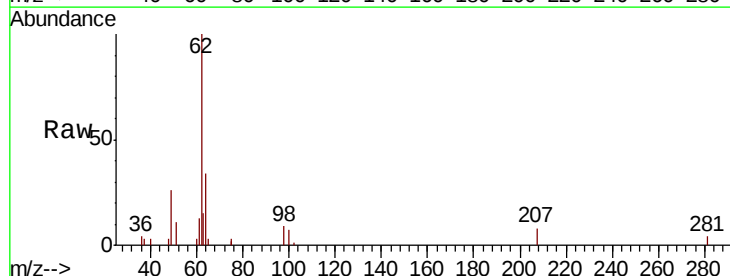


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VY0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VY0

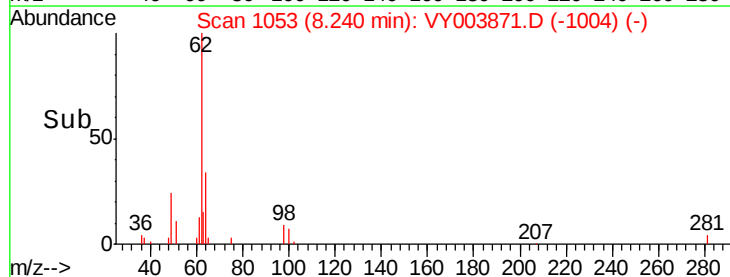
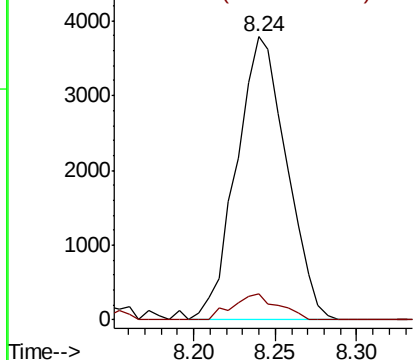


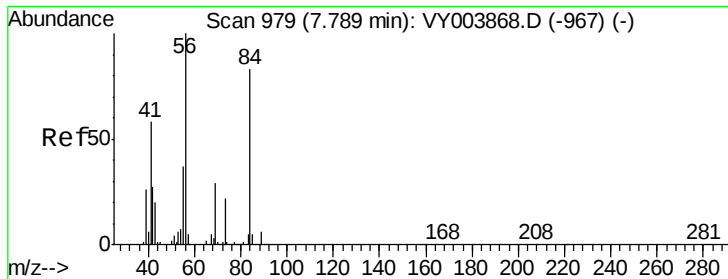
#27
1,2-Dichloroethane
Concen: 1.231 ug/L
RT: 8.24 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

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



Abundance Ion 62.00 (61.70 to 62.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

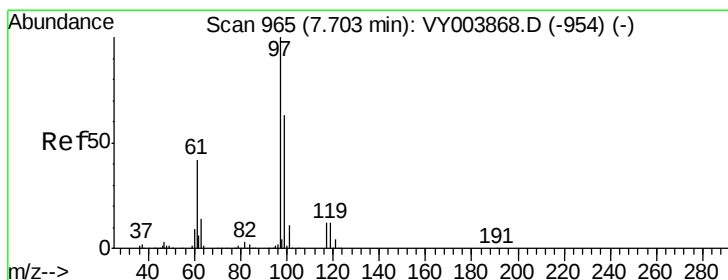
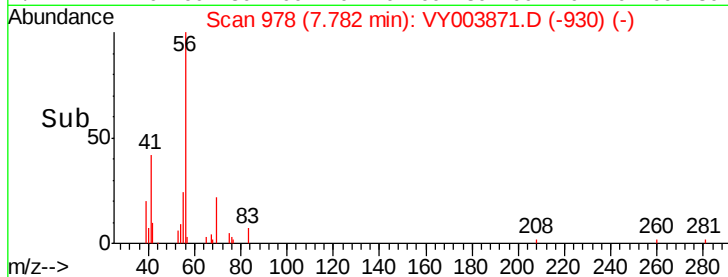
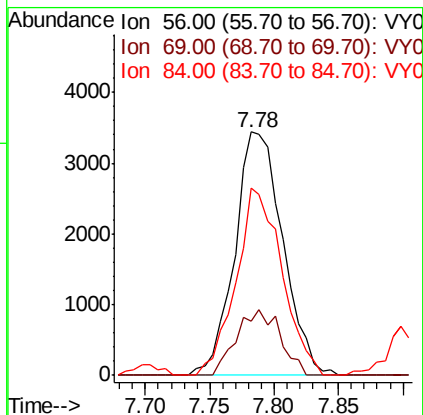
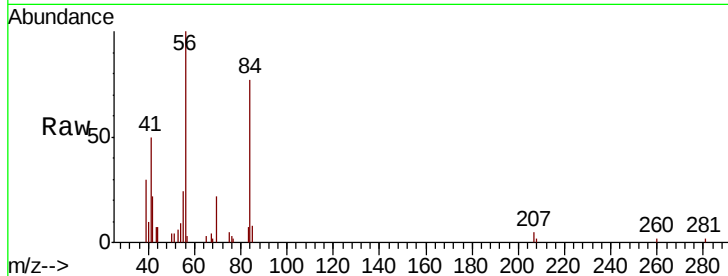




#29
Cvclohexane
Concen: 1.157 ug/L
RT: 7.78 min Scan# 978
Delta R.T. -0.01 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

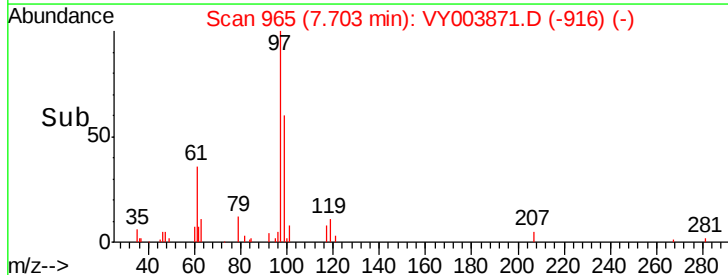
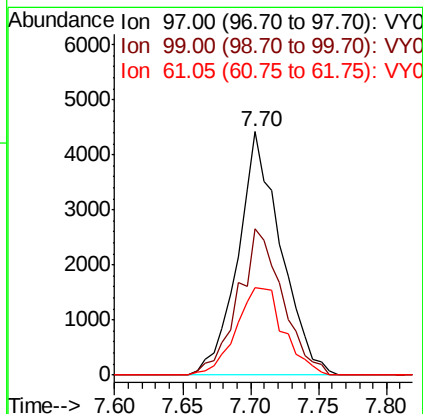
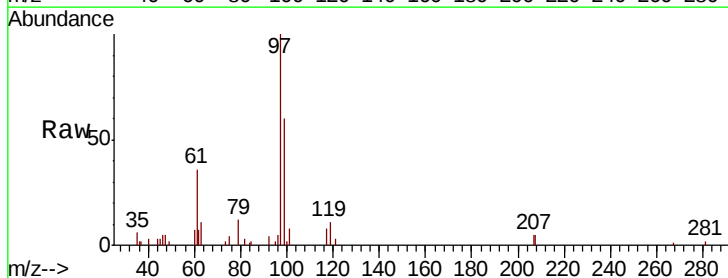
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-06

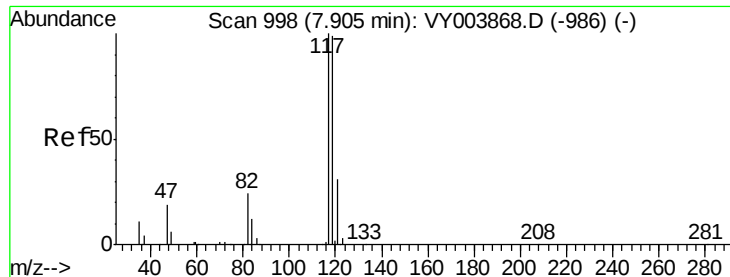
Tot Ion: 56 Resp: 8910
Ion Ratio Lower Upper
56 100
69 24.5 24.2 36.2
84 73.4 68.7 103.1



#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

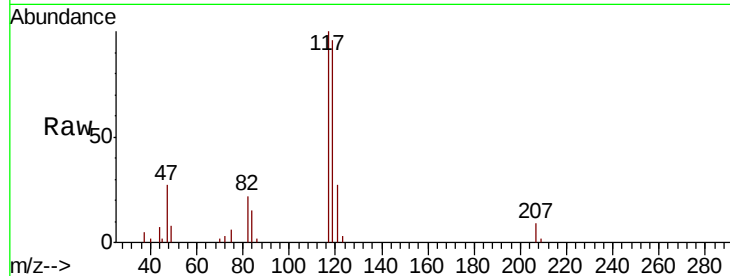




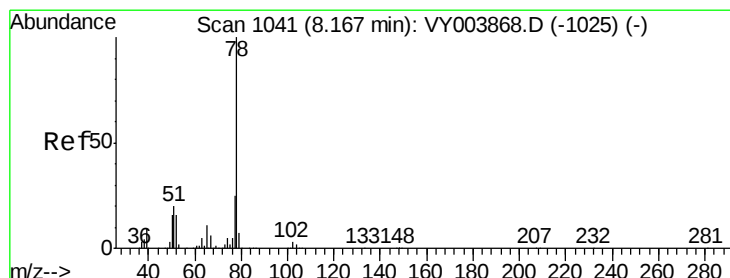
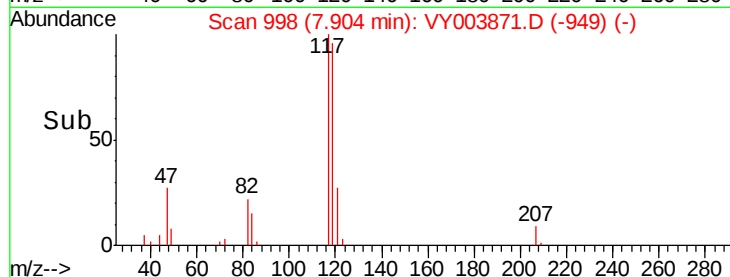
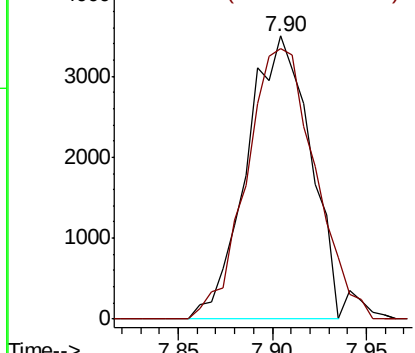
#31
Carbon tetrachloride
Concen: 1.110 ug/L
RT: 7.90 min Scan# 998
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

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

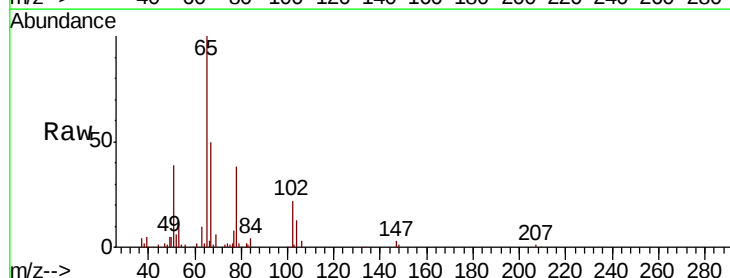


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

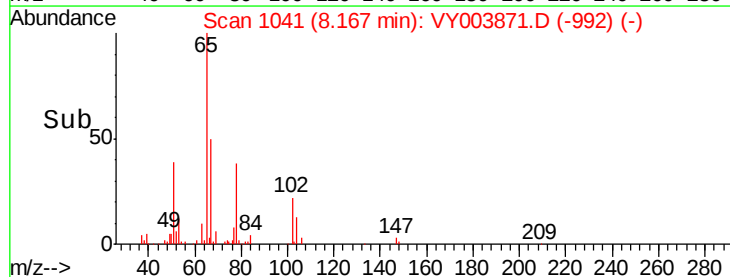
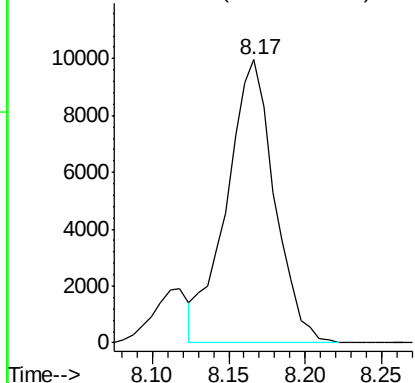


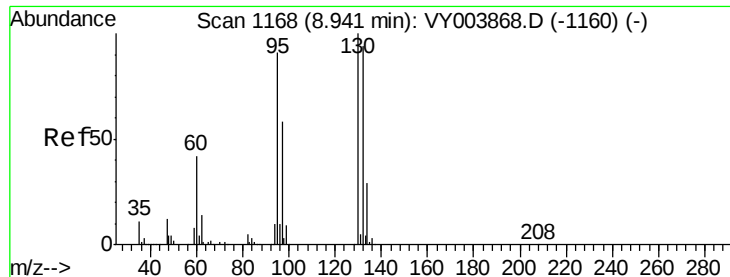
#33
Benzene
Concen: 1.203 ug/L
RT: 8.17 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

Tgt Ion: 78 Resp: 21602



Abundance Ion 78.00 (77.70 to 78.70): VY0

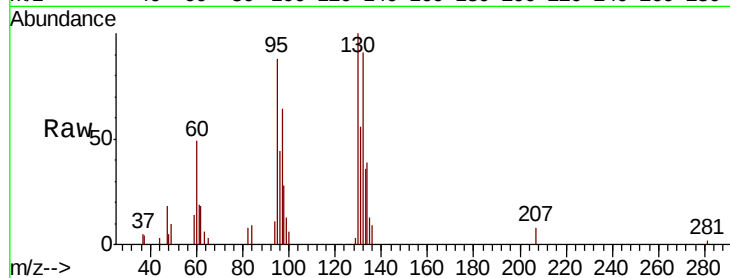




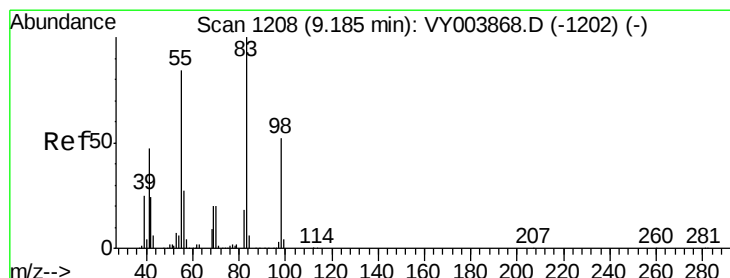
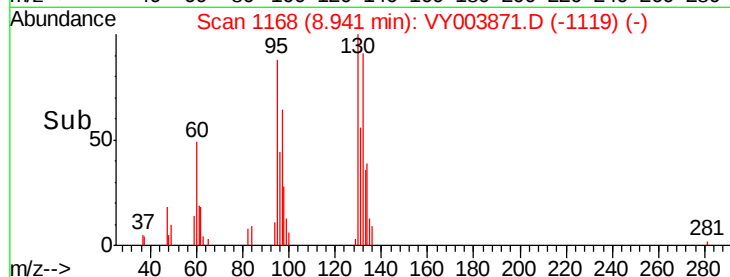
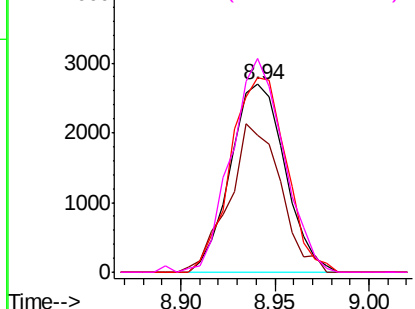
#34
 Trichloroethene
 Concen: 1.093 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

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

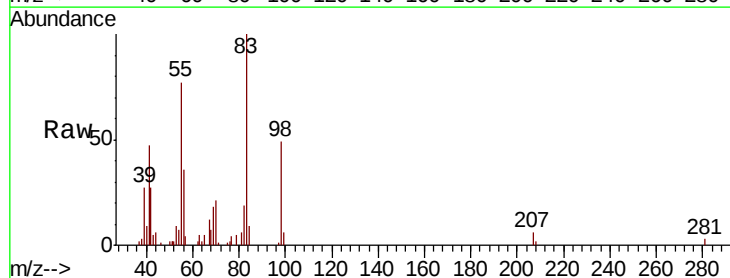


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

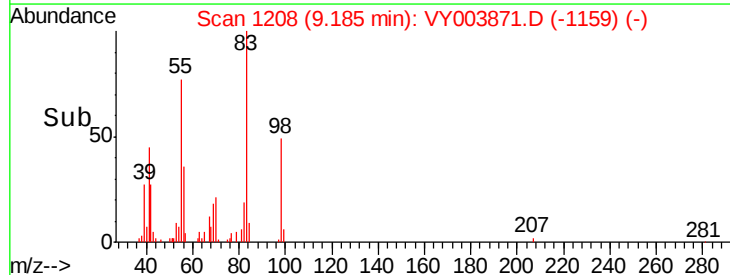
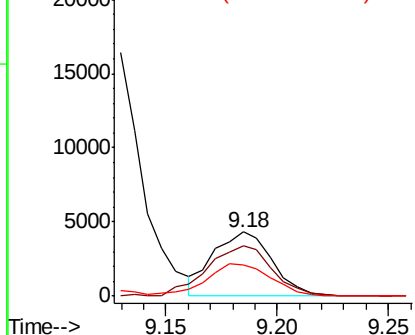


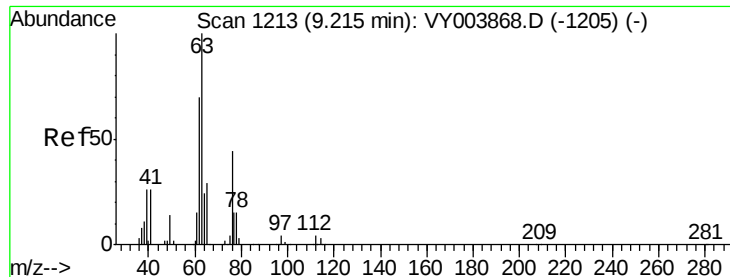
#35
 Methylcyclohexane
 Concen: 0.983 ug/L
 RT: 9.18 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

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

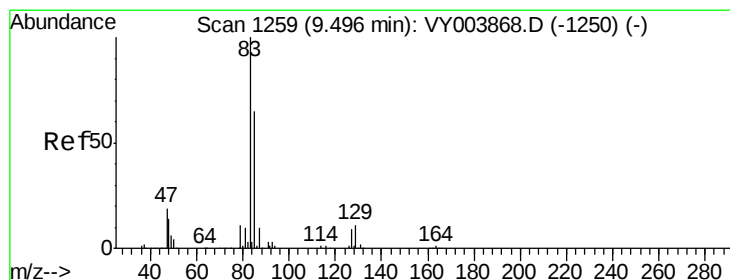
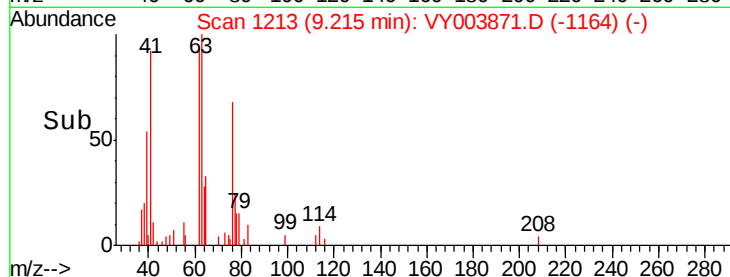
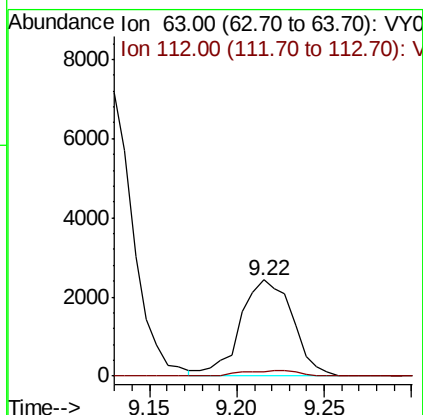
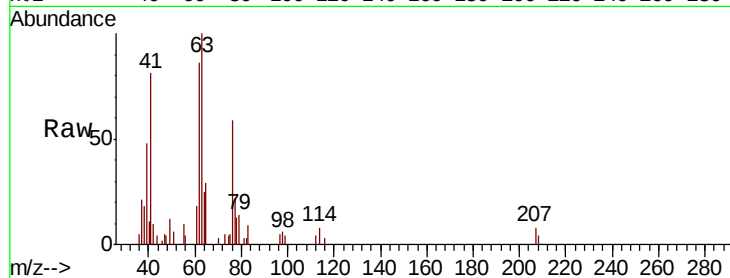




#37
 1,2-Dichloropropane
 Concen: 1.112 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

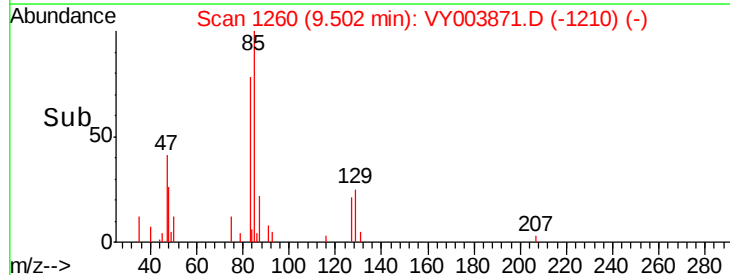
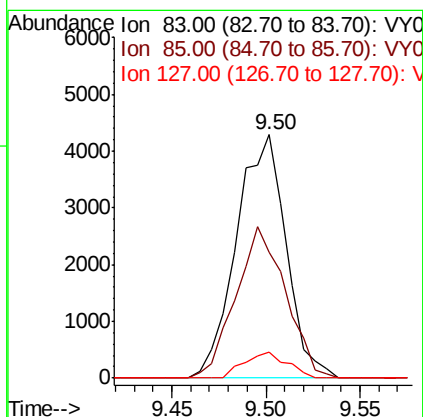
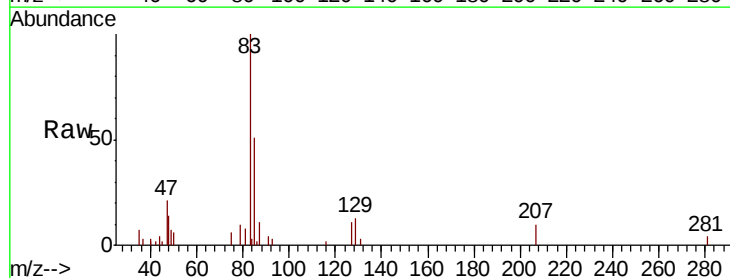
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-06

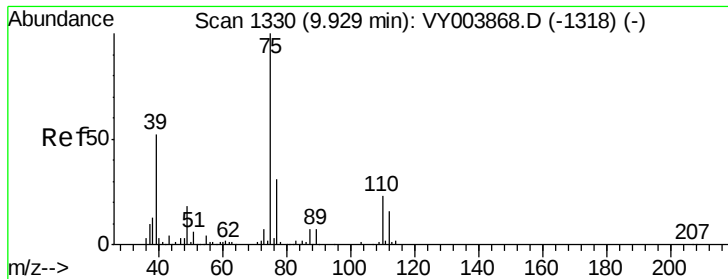
Tot Ion: 63 Resp: 5083
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.7 5.5



#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 :

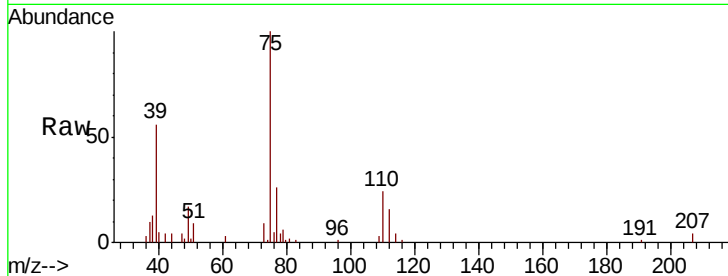
MDL-SOIL-06

Tot Ion: 75 Resp: 7680

Ion Ratio Lower Upper

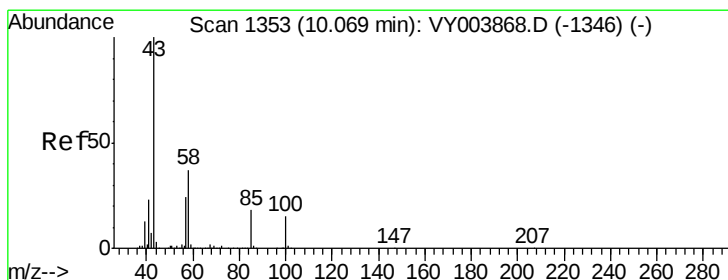
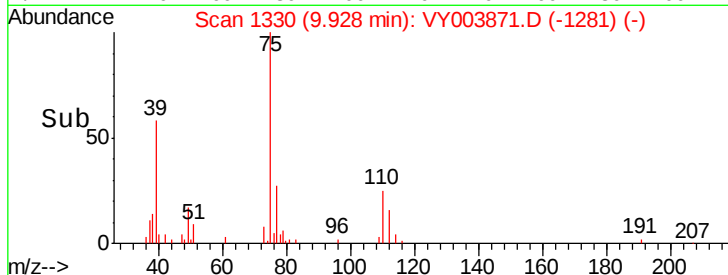
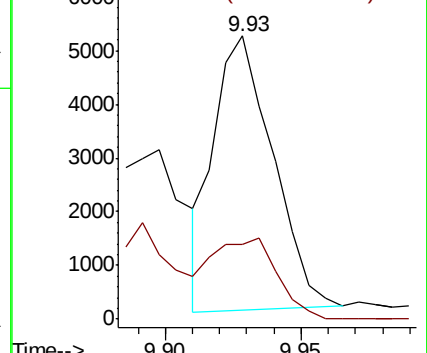
75 100

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

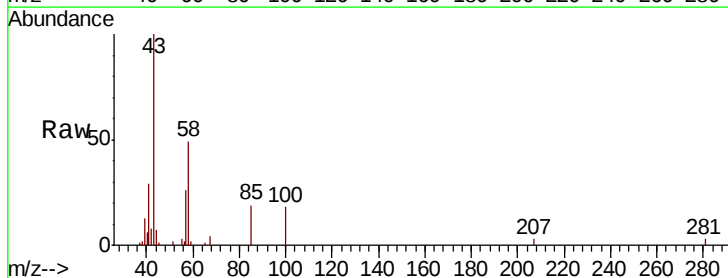
Tgt Ion: 43 Resp: 10135

Ion Ratio Lower Upper

43 100

58 42.7 29.6 44.4

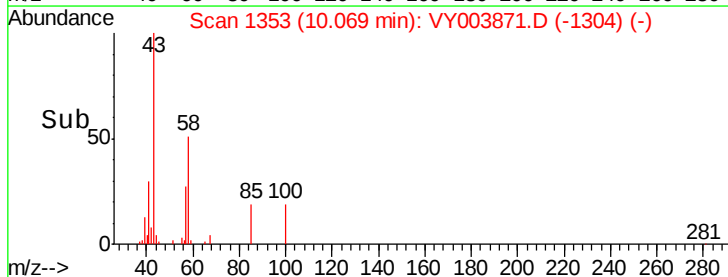
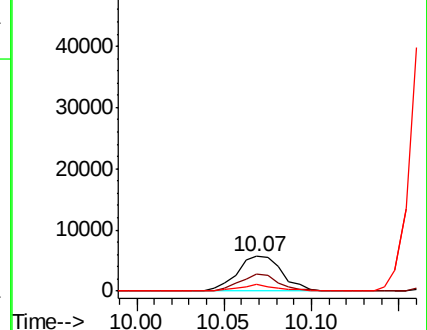
100 16.5 11.8 17.6

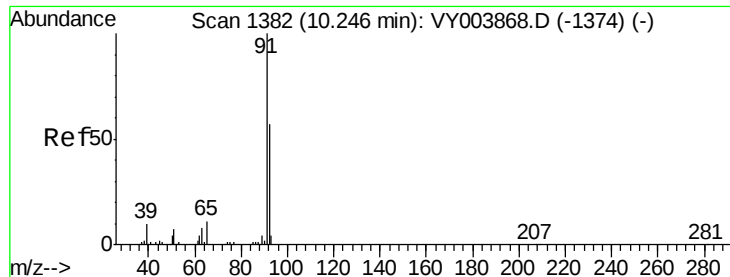


Abundance Ion 43.00 (42.70 to 43.70): VY0

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 :

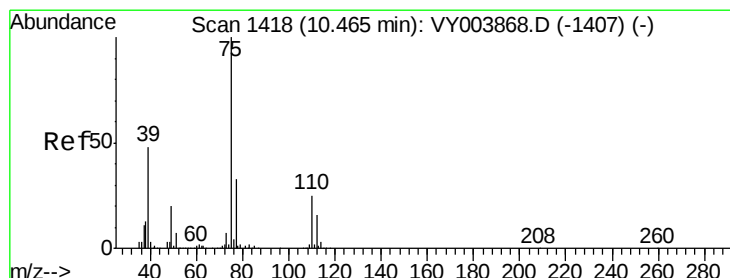
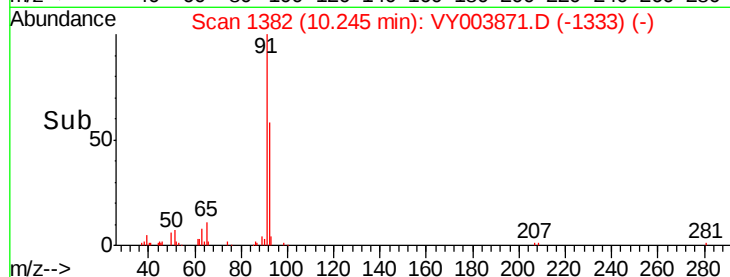
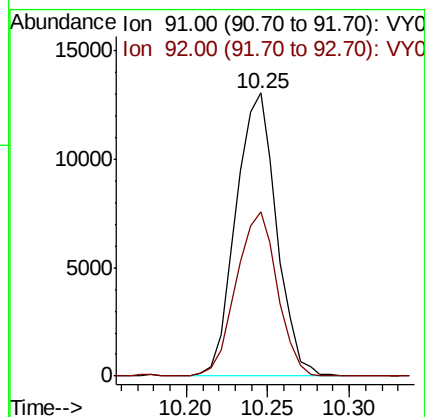
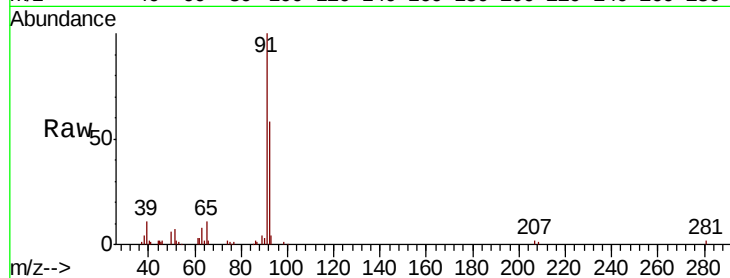
MDL-SOIL-06

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

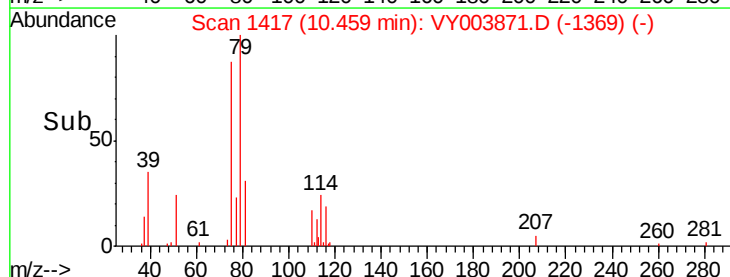
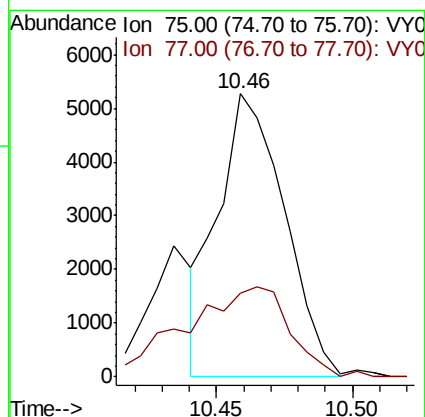
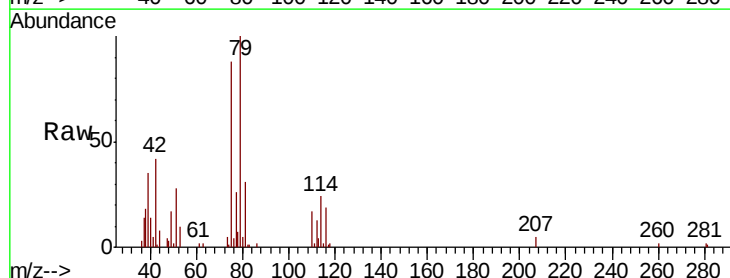
Acq: 04 Jan 2021 15:11

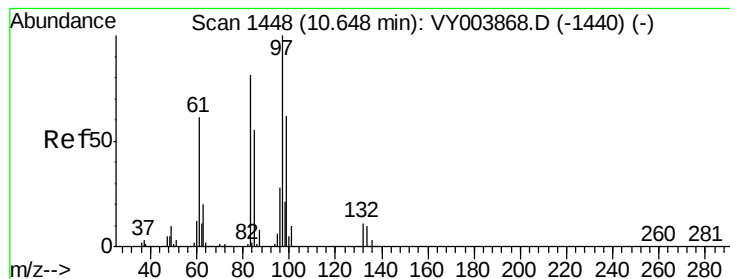
Tgt Ion: 75 Resp: 8906

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

ClientSampleId :

MDL-SOIL-06

Tot Ion: 97 Resp: 4441

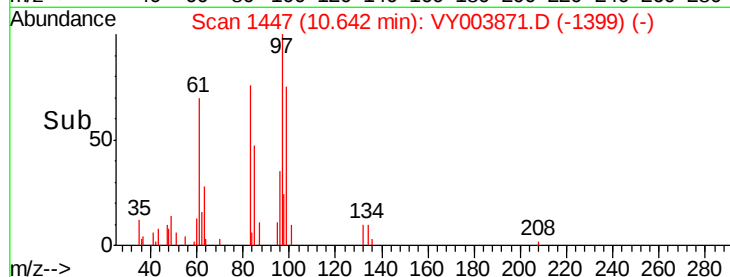
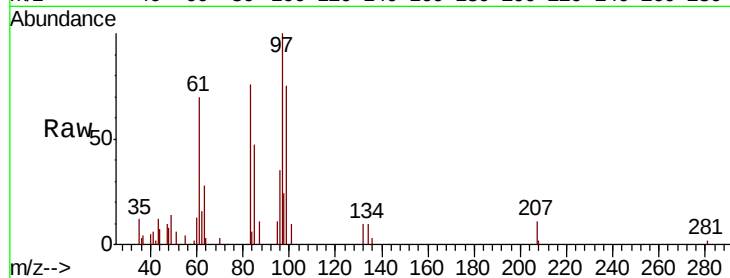
Ion Ratio Lower Upper

97 100

99 74.7 46.0 85.4

83 76.1 60.8 112.8

85 47.2 38.4 71.2

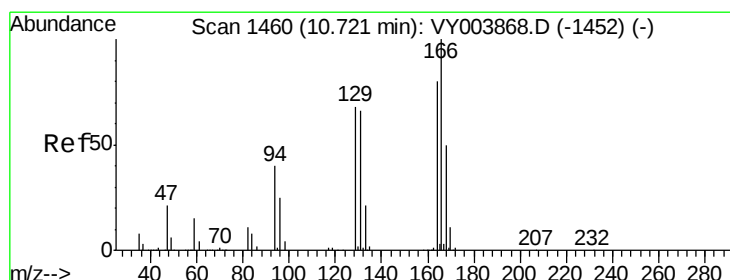
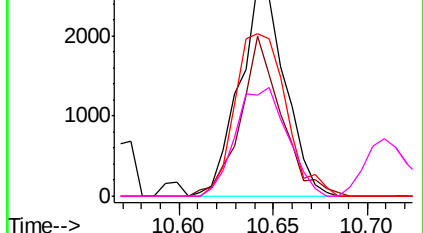


Abundance Ion 97.00 (96.70 to 97.70): VY003868.D (-1440) (-)

Ion 99.00 (98.70 to 99.70): VY003868.D (-1440) (-)

Ion 83.00 (82.70 to 83.70): VY003868.D (-1440) (-)

Ion 85.00 (84.70 to 85.70): VY003868.D (-1440) (-)



#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

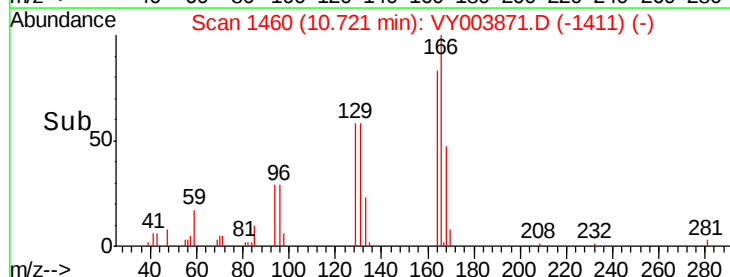
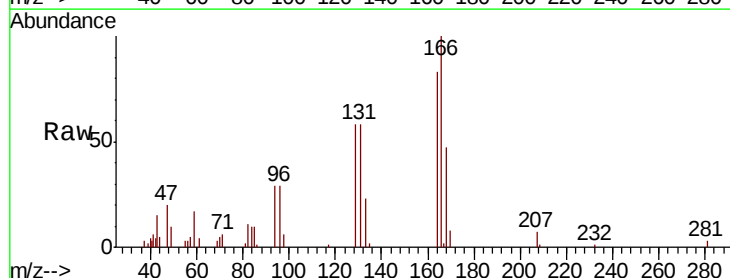
Ion Ratio Lower Upper

164 100

129 69.6 62.5 116.1

131 69.2 60.7 112.7

166 119.8 87.2 162.0

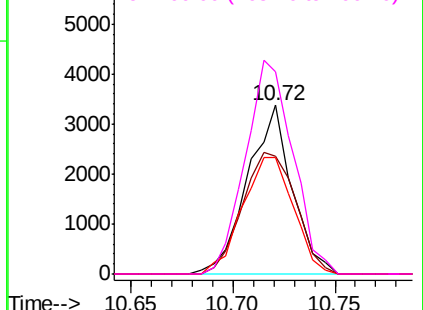


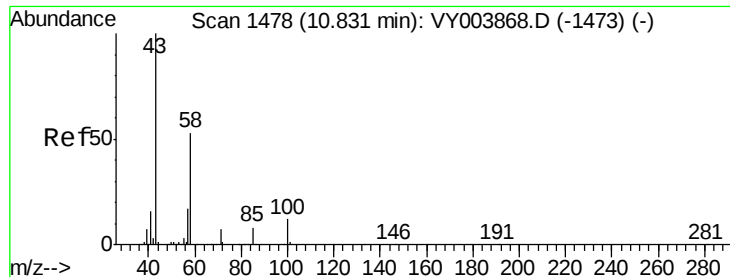
Abundance Ion 164.00 (163.70 to 164.70): VY003868.D (-1452) (-)

Ion 129.00 (128.70 to 129.70): VY003868.D (-1452) (-)

Ion 131.00 (130.70 to 131.70): VY003868.D (-1452) (-)

Ion 166.00 (165.70 to 166.70): VY003868.D (-1452) (-)

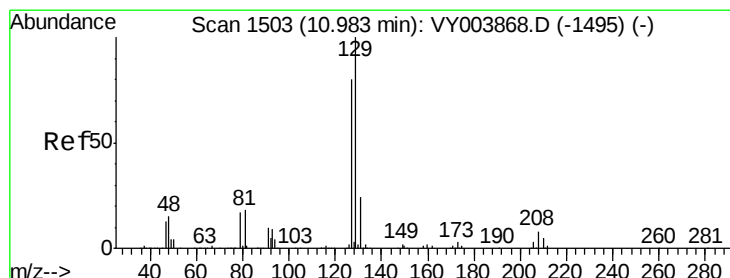
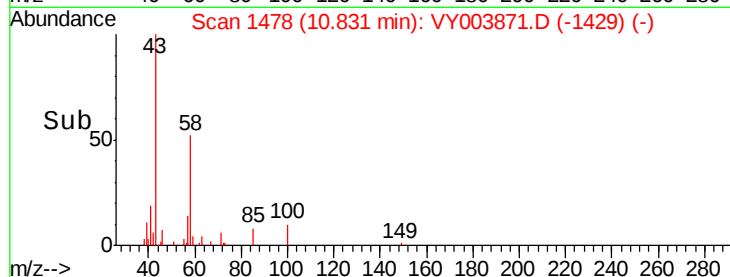
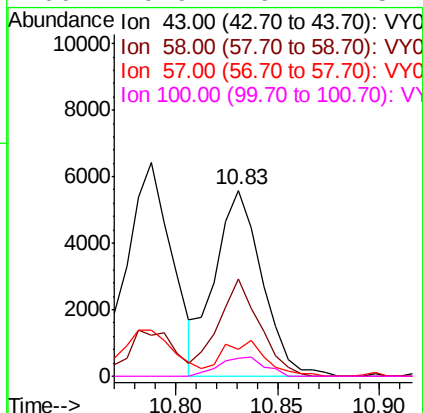
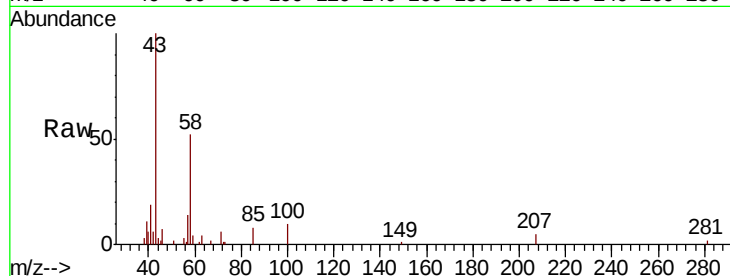




#48
2-Hexanone
Concen: 2.521 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

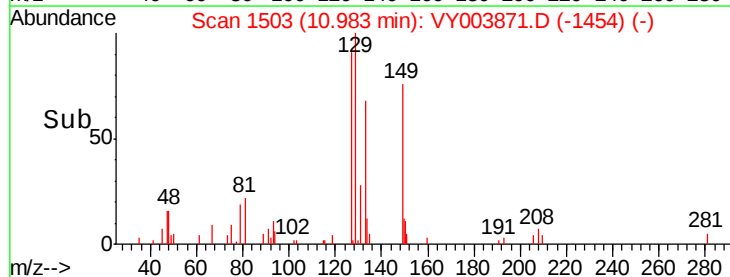
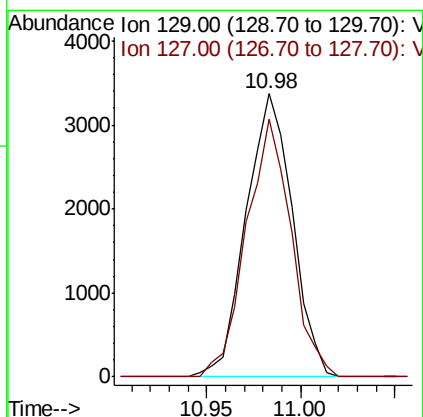
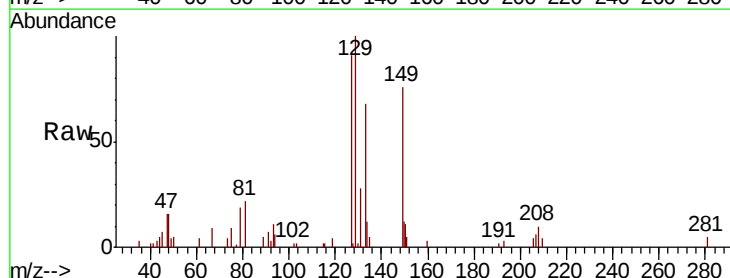
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-06

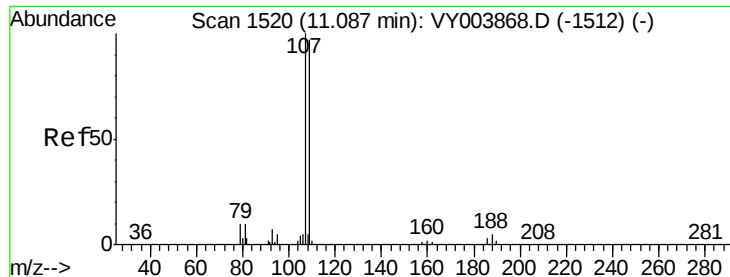
Tot Ion: 43 Resp: 8965
Ion Ratio Lower Upper
43 100
58 46.2 40.6 60.8
57 17.7 14.5 21.7
100 9.9 9.1 13.7



#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

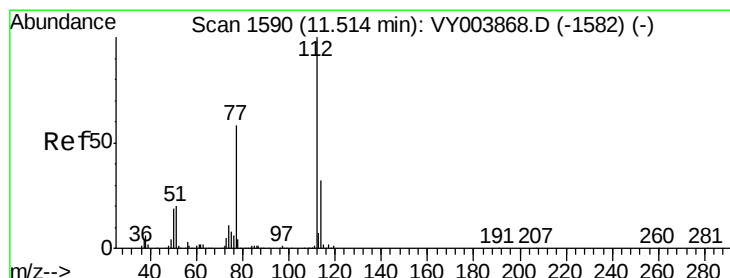
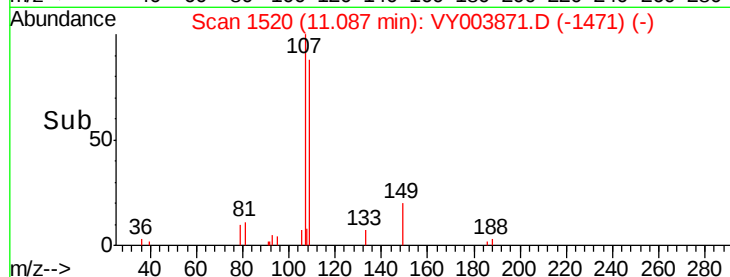
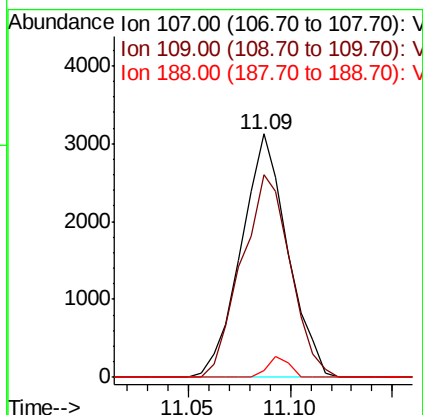
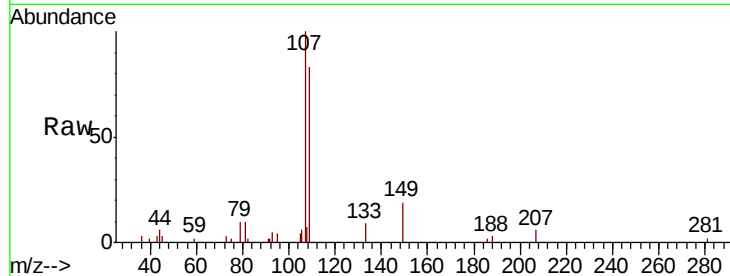




#50
1,2-Dibromoethane
Concen: 1.278 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

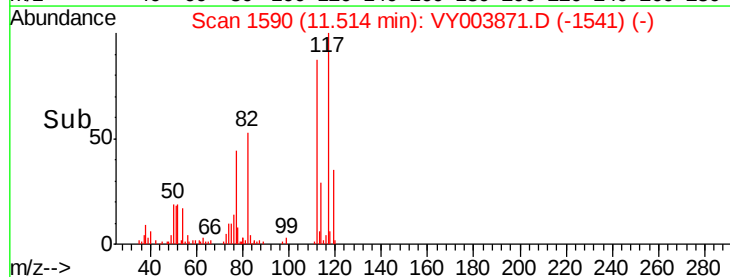
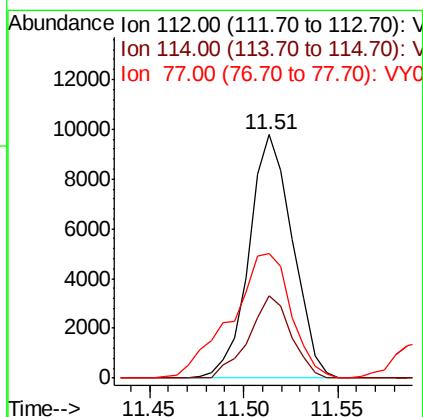
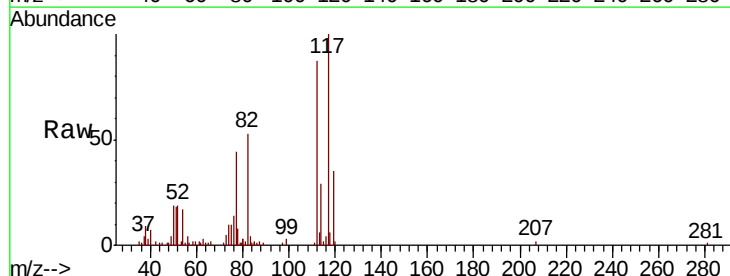
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-06

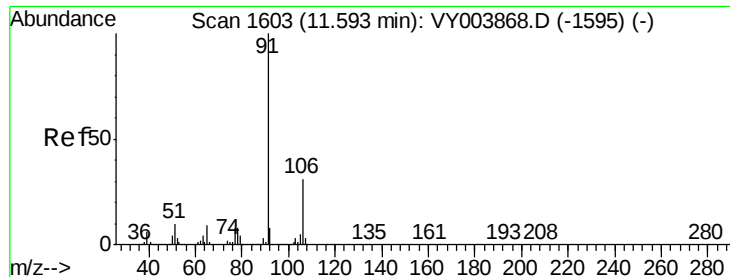
Tot Ion:107 Resp: 4958
Ion Ratio Lower Upper
107 100
109 83.4 65.5 121.7
188 3.0 3.6 5.4#



#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 :

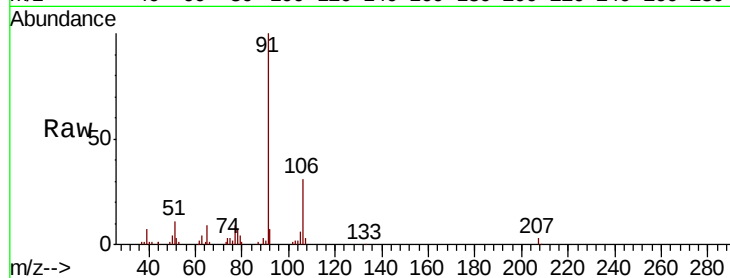
MDL-SOIL-06

Tot Ion: 91 Resp: 24475

Ion Ratio Lower Upper

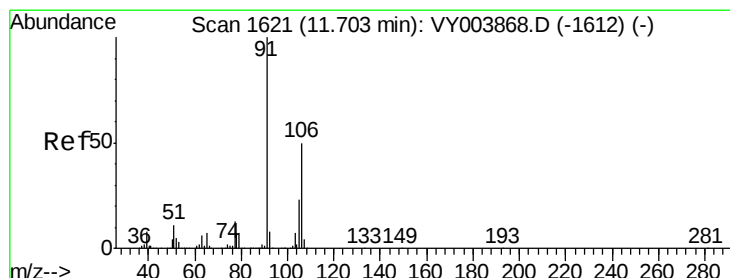
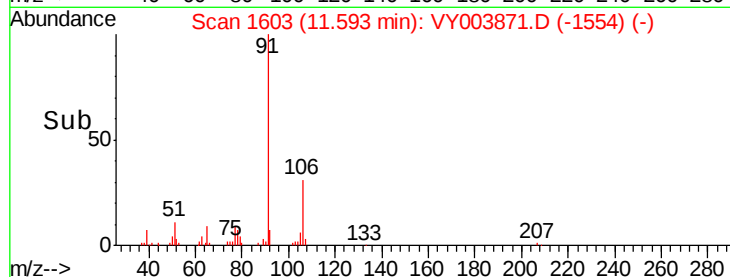
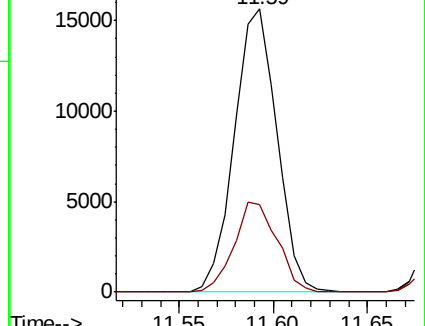
91 100

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) (-)



#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

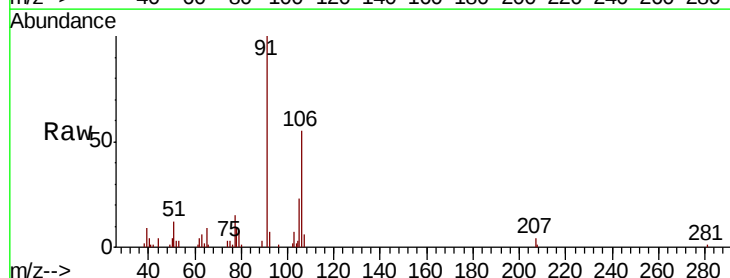
Acq: 04 Jan 2021 15:11

Tgt Ion: 106 Resp: 9496

Ion Ratio Lower Upper

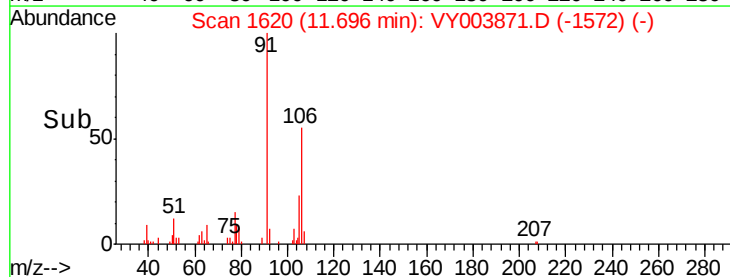
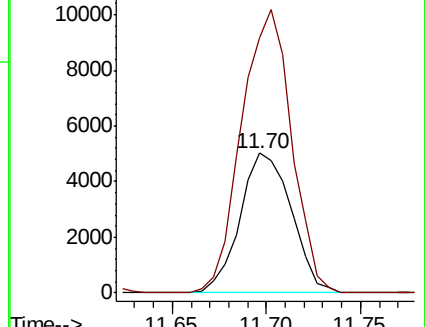
106 100

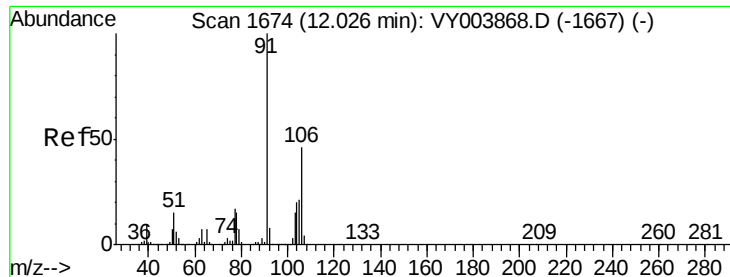
91 182.9 146.3 271.7



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

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





#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

ClientSampleId :

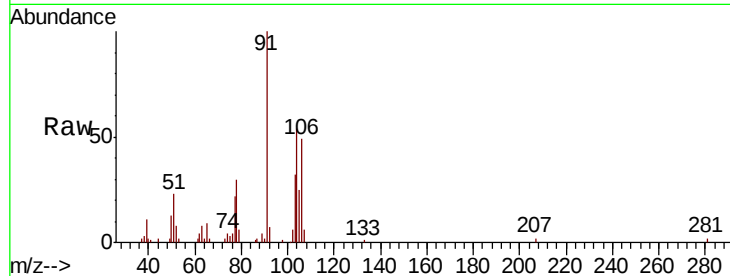
MDL-SOIL-06

Tot Ion:106 Resp: 8871

Ion Ratio Lower Upper

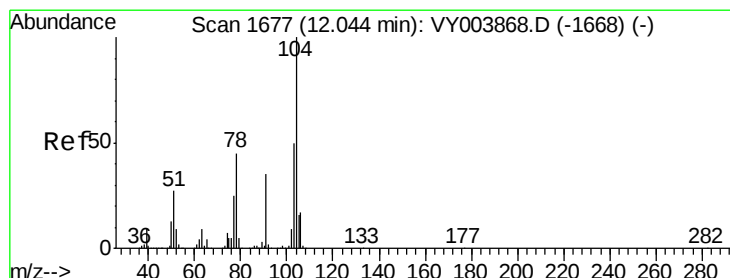
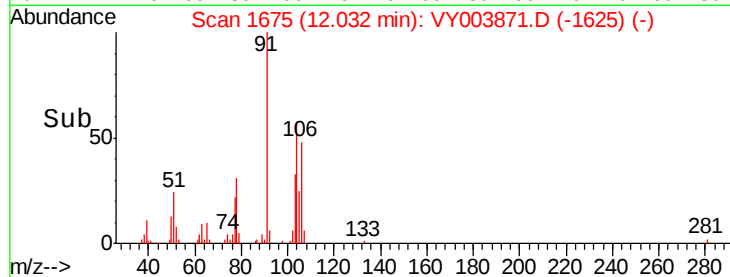
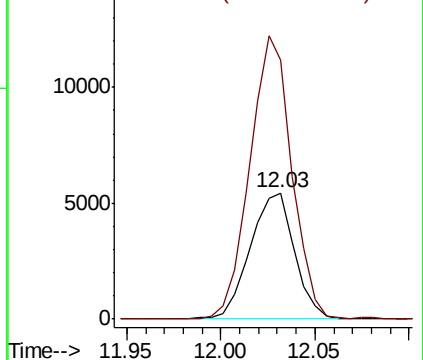
106 100

91 204.9 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

Styrene

Concen: 1.058 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003871.D

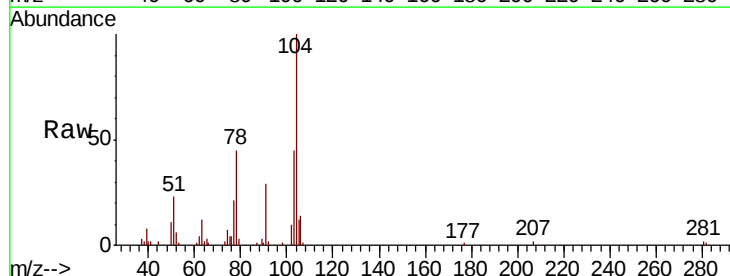
Acq: 04 Jan 2021 15:11

Tgt Ion:104 Resp: 15038

Ion Ratio Lower Upper

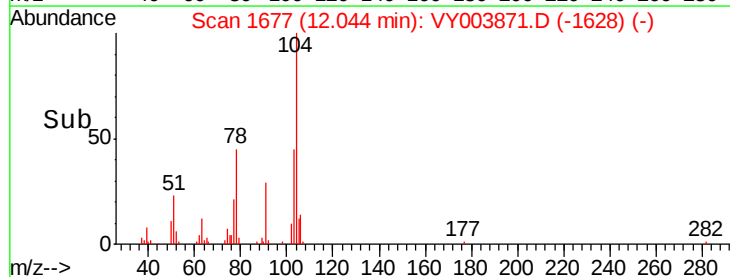
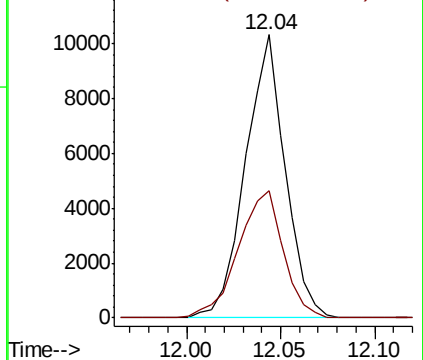
104 100

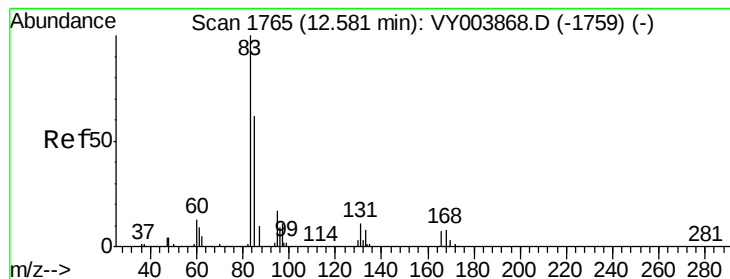
78 45.0 33.2 61.7



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: 1.293 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

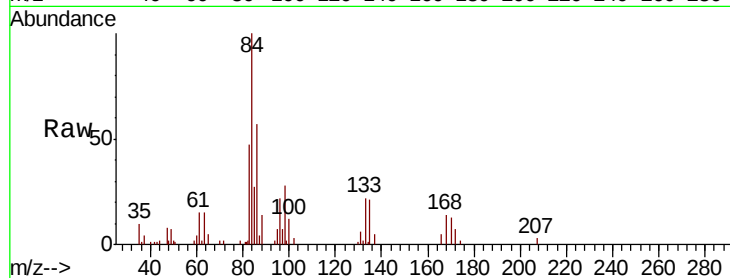
Tot Ion: 83 Resp: 6008

Ion Ratio Lower Upper

83 100

85 56.9 44.9 83.3

131 13.5 9.0 13.6

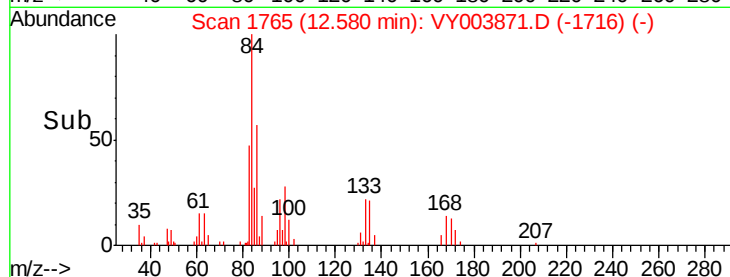


Abundance Ion 83.00 (82.70 to 83.70): VY003868.D (-1759) (-)

Ion 85.00 (84.70 to 85.70): VY003868.D (-1759) (-)

Ion 131.00 (130.70 to 131.70): VY003868.D (-1759) (-)

Time-->

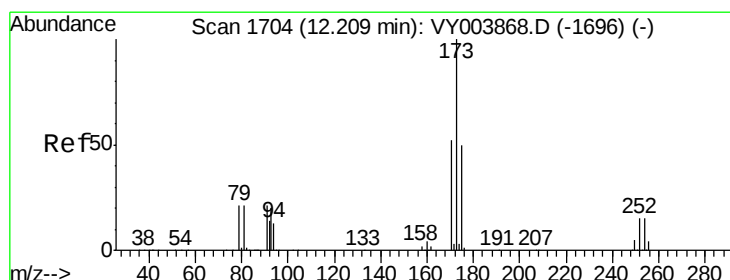


Abundance Ion 83.00 (82.70 to 83.70): VY003871.D (-1716) (-)

Ion 85.00 (84.70 to 85.70): VY003871.D (-1716) (-)

Ion 131.00 (130.70 to 131.70): VY003871.D (-1716) (-)

Time-->



#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

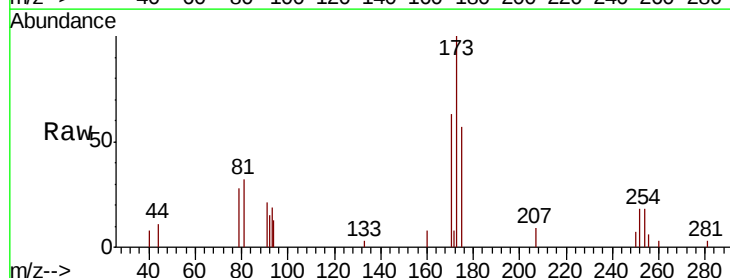
Tgt Ion: 173 Resp: 3978

Ion Ratio Lower Upper

173 100

175 54.2 38.9 58.3

254 15.3 11.5 17.3

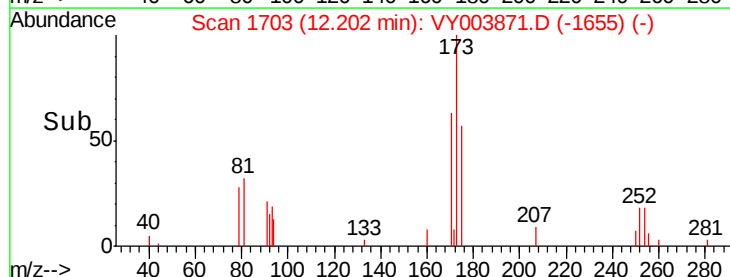


Abundance Ion 173.00 (172.70 to 173.70): VY003868.D (-1696) (-)

Ion 175.00 (174.70 to 175.70): VY003868.D (-1696) (-)

Ion 254.00 (253.70 to 254.70): VY003868.D (-1696) (-)

Time-->

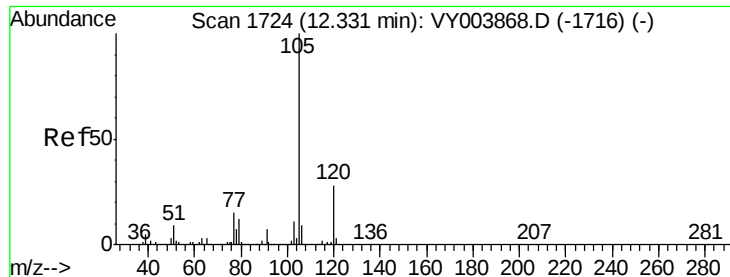


Abundance Ion 173.00 (172.70 to 173.70): VY003871.D (-1655) (-)

Ion 175.00 (174.70 to 175.70): VY003871.D (-1655) (-)

Ion 254.00 (253.70 to 254.70): VY003871.D (-1655) (-)

Time-->



#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

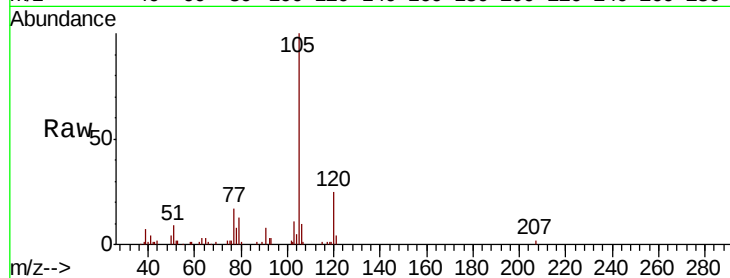
Tot Ion:105 Resp: 23386

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

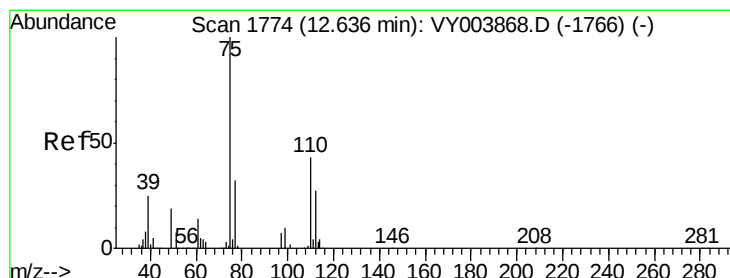
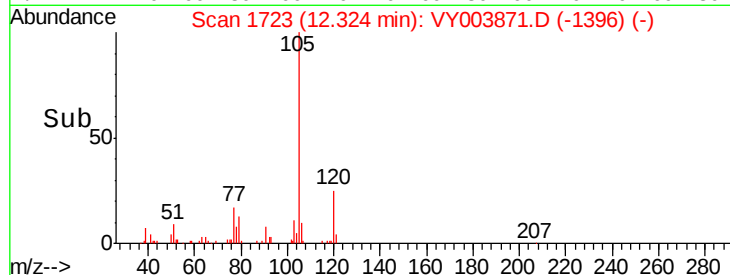
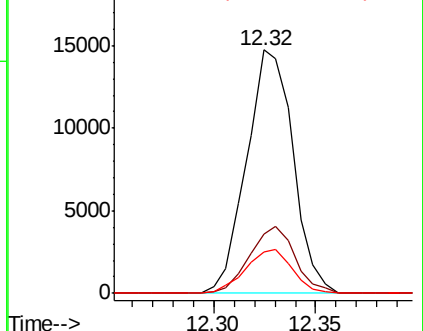
77 18.0 12.9 19.3



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

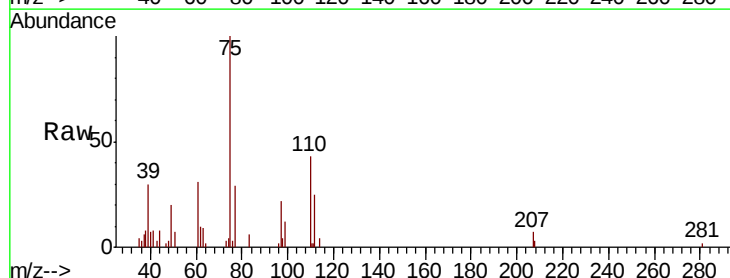
Tgt Ion: 75 Resp: 4888

Ion Ratio Lower Upper

75 100

77 34.0 26.2 39.4

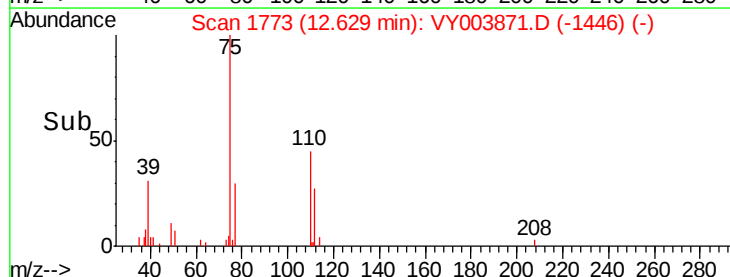
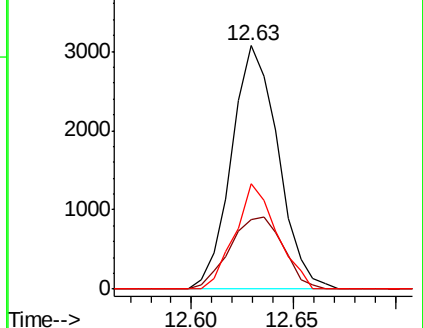
110 38.9 32.4 48.6

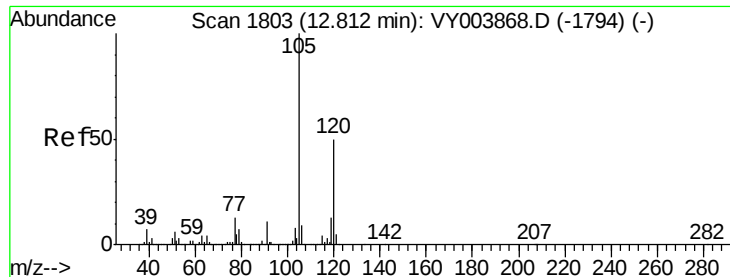


Abundance Ion 75.00 (74.70 to 75.70): V

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 :

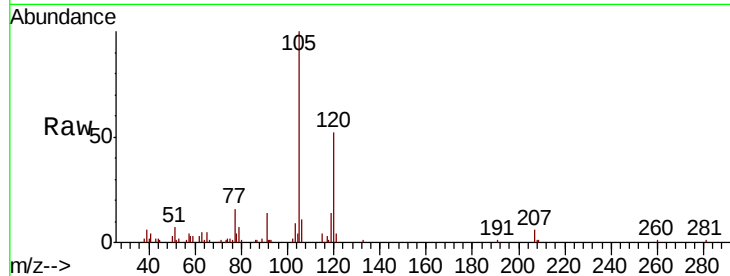
MDL-SOIL-06

Tot Ion:105 Resp: 18384

Ion Ratio Lower Upper

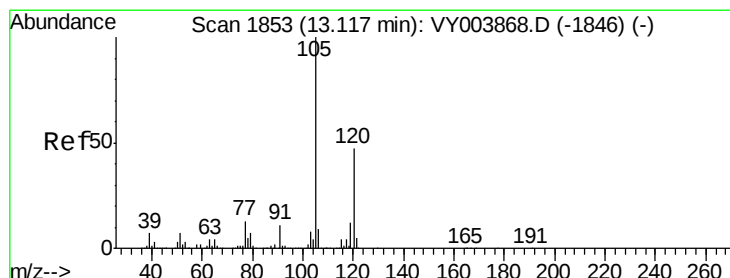
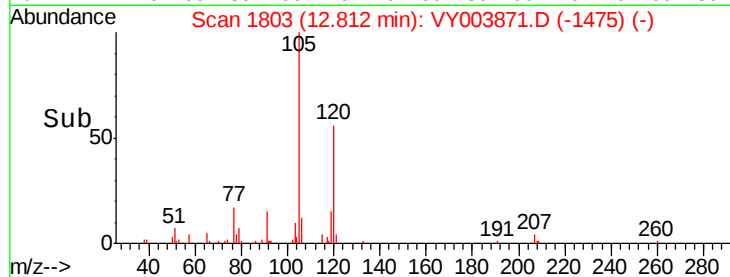
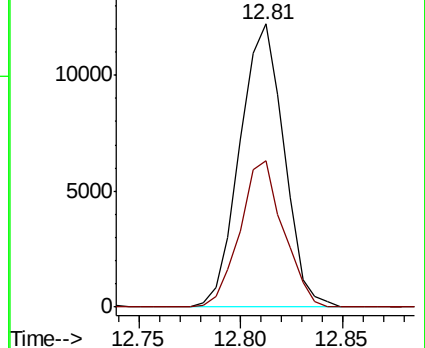
105 100

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

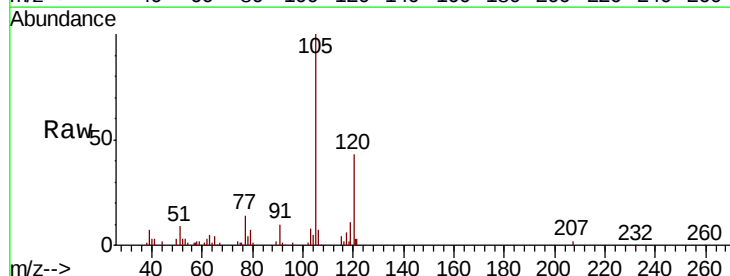
Acq: 04 Jan 2021 15:11

Tgt Ion:105 Resp: 19177

Ion Ratio Lower Upper

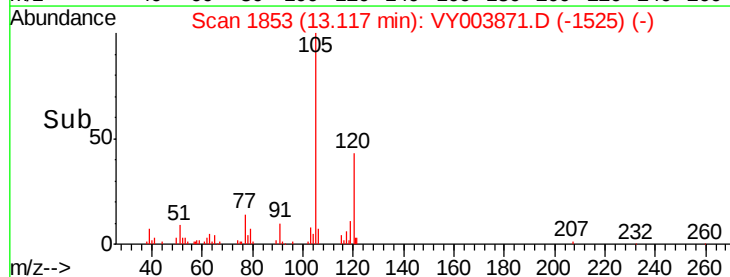
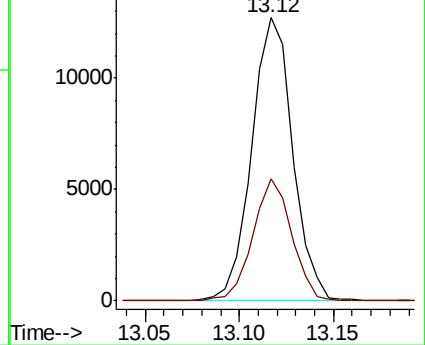
105 100

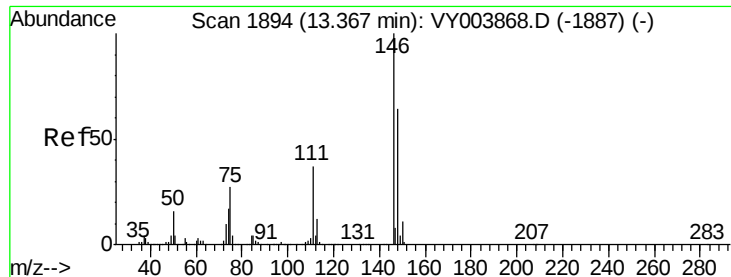
120 40.8 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

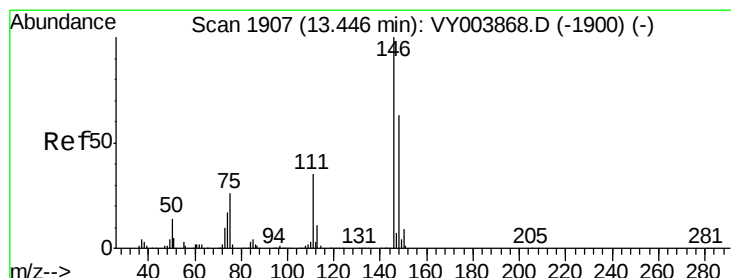
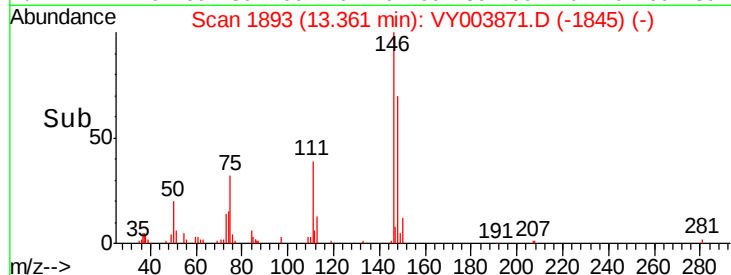
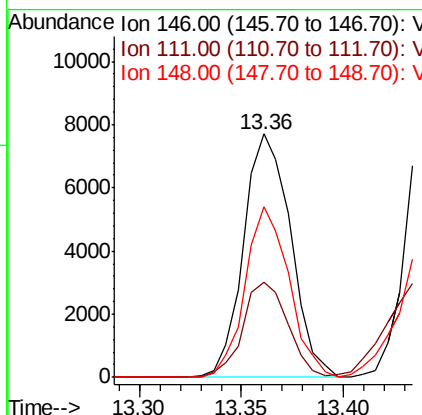
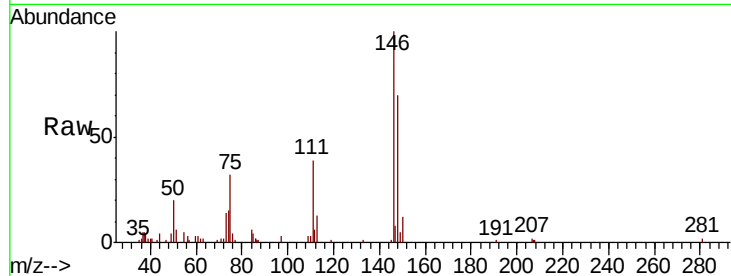




#64
 1,3-Dichlorobenzene
 Concen: 1.163 ug/L
 RT: 13.36 min Scan# 1893
 Delta R.T. -0.01 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

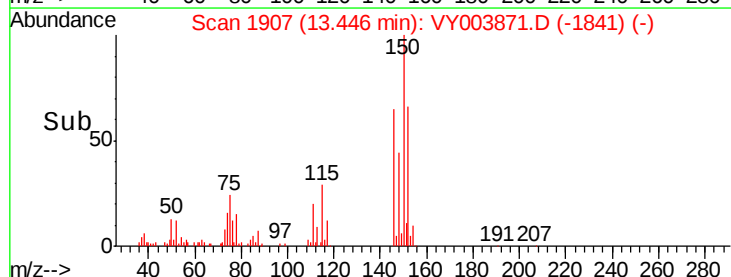
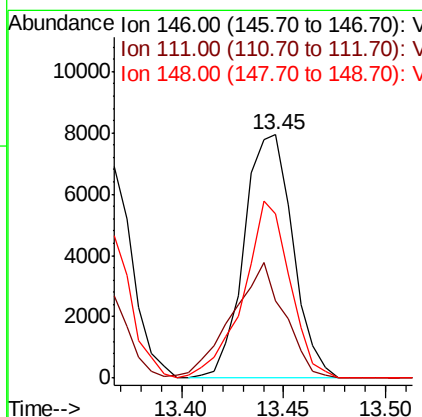
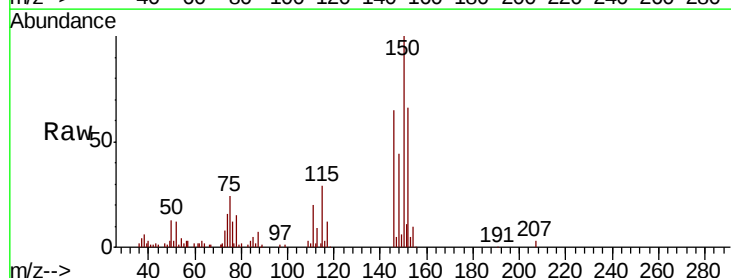
Instrument :
 MSVOA_Y
 ClientSampleID :
 MDL-SOIL-06

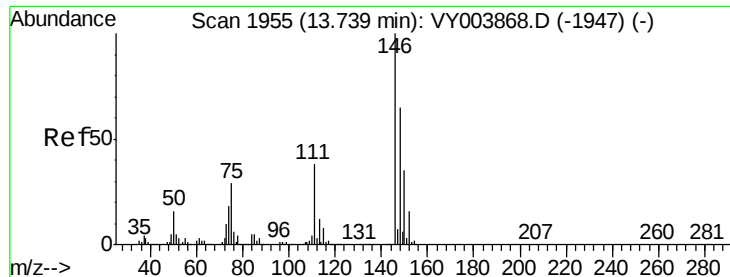
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.7	51.5
148	70.1	45.4	84.4



#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

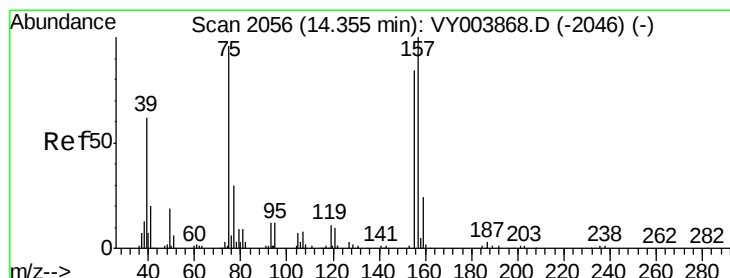
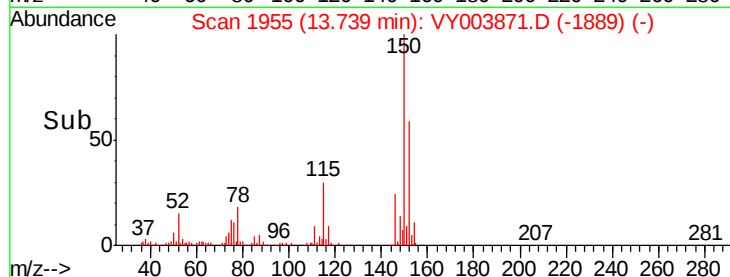
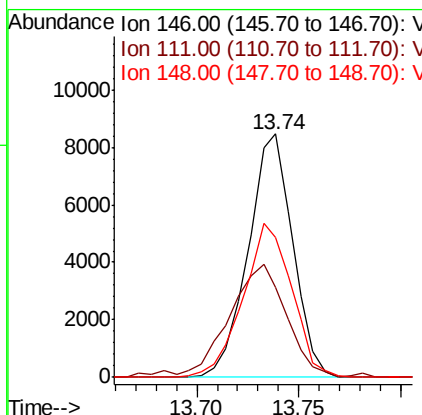
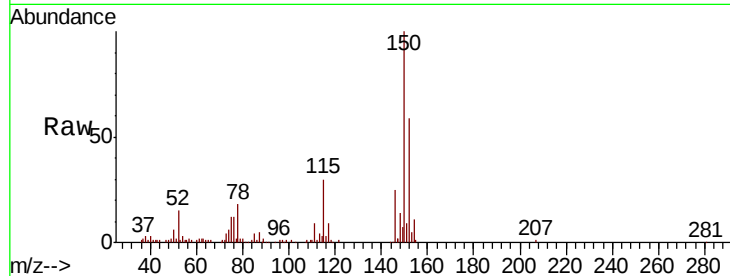




#67
 1,2-Dichlorobenzene
 Concen: 1.290 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

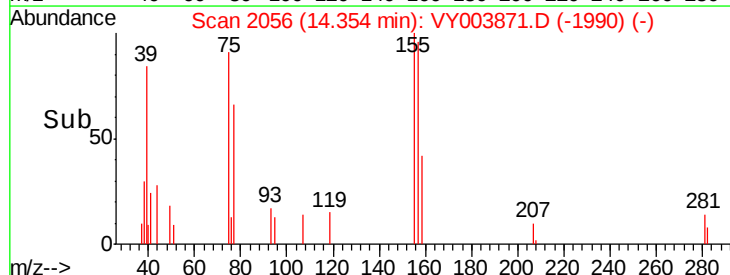
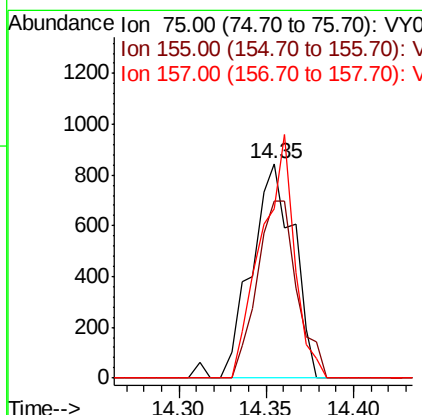
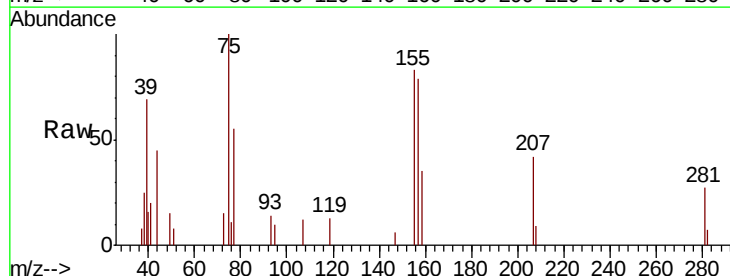
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL-SOIL-06

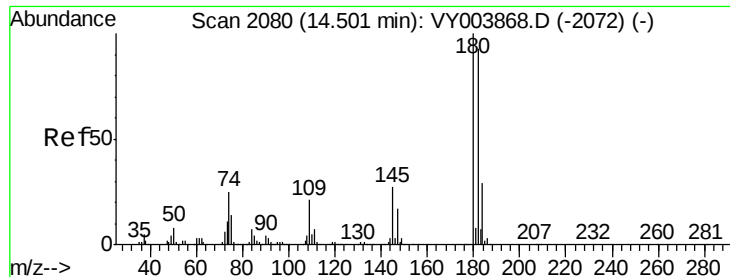
Tot Ion:146 Resp: 12837
 Ion Ratio Lower Upper
 146 100
 111 36.9 31.3 46.9
 148 57.7 51.0 76.4



#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#

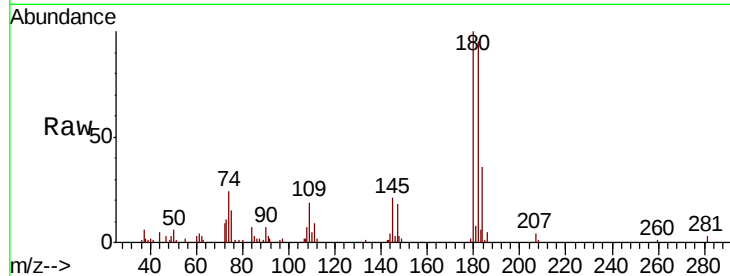




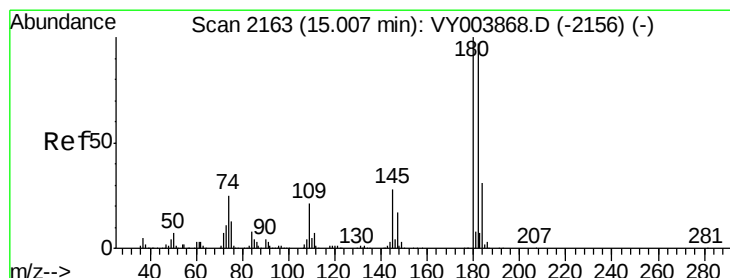
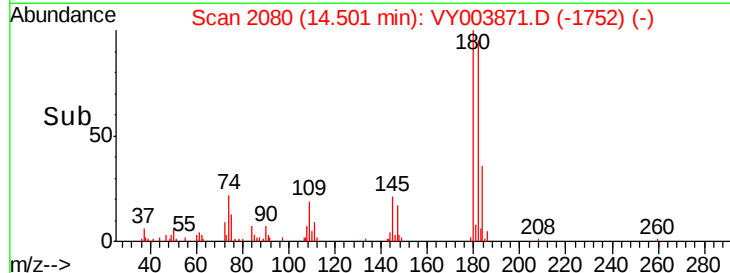
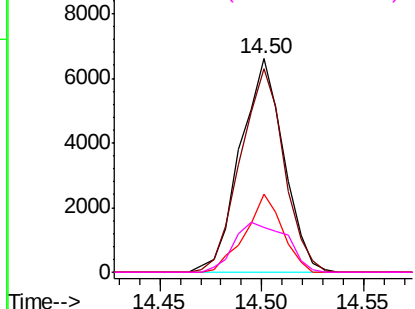
#69
 1,3,5-Trichlorobenzene
 Concen: 1.183 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

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

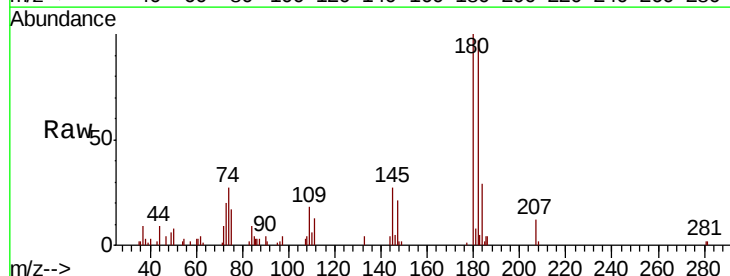


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

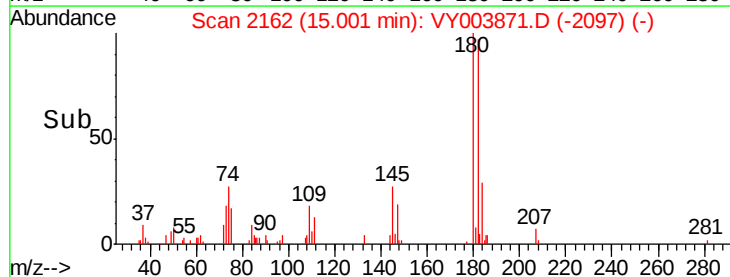
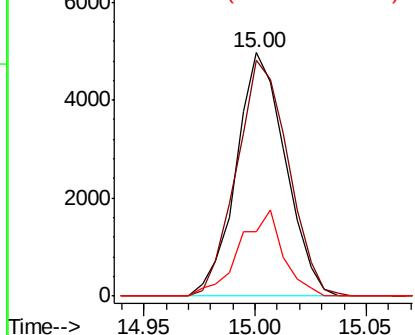


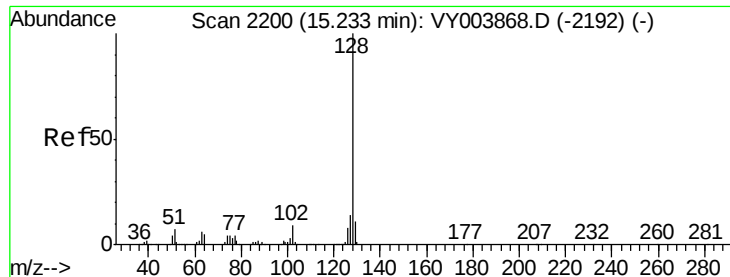
#70
 1,2,4-trichlorobenzene
 Concen: 1.091 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.01 min
 Lab File: VY003871.D
 Acq: 04 Jan 2021 15:11

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

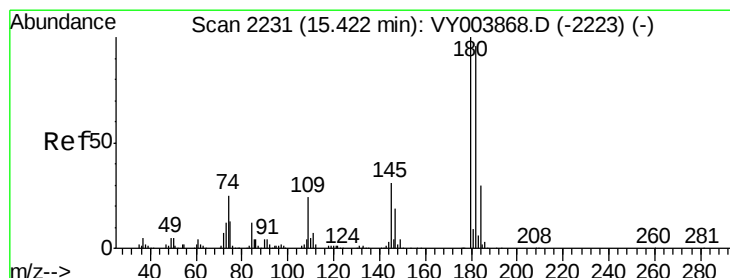
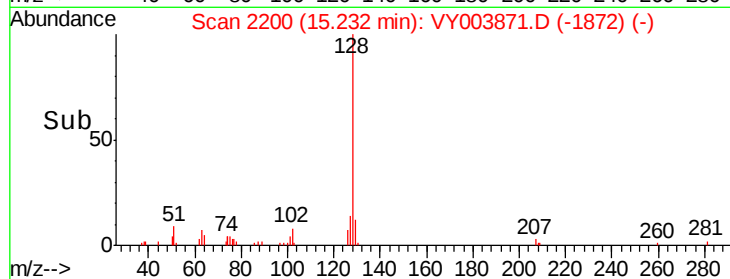
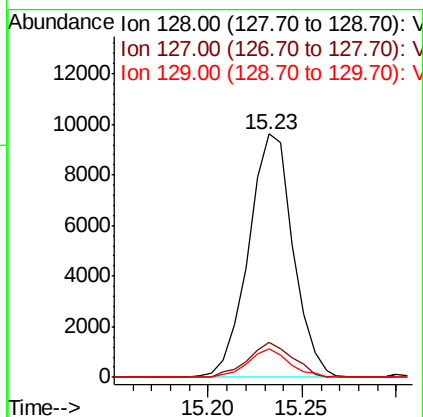
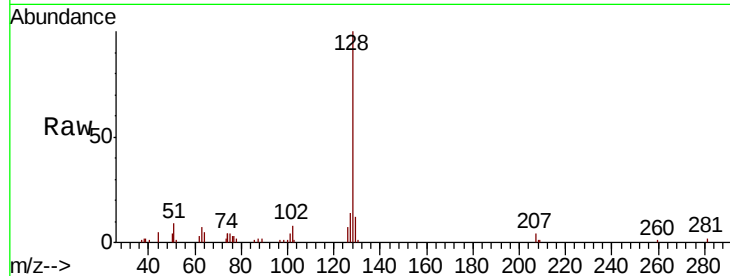




#71
Naphthalene
Concen: 1.075 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003871.D
Acq: 04 Jan 2021 15:11

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

