

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122920\
 Data File : VY003856.D
 Acq On : 29 Dec 2020 17:06
 Operator : SY/MD
 Sample : L4485-02
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-02

Quant Time: Dec 30 07:21:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 30 07:19:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	332244	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	312225	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	170267	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	120378	21.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.68%
7) Chloroethane-d5	2.77	69	103792	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.36%
11) 1,1-Dichloroethene-d2	3.86	63	172485	17.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.12%
21) 2-Butanone-d5	6.89	46	103788	48.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.10%
24) Chloroform-d	7.48	84	216641	23.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.44%
26) 1,2-Dichloroethane-d4	8.14	65	141095	24.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.56%
32) Benzene-d6	8.11	84	423775	24.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.64%
36) 1,2-Dichloropropane-d6	9.12	67	129501	25.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.16%
41) Toluene-d8	10.18	98	405457	24.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.68%
43) trans-1,3-Dichloropropene-	10.43	79	69590	24.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.36%
47) 2-Hexanone-d5	10.78	63	76942	48.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.92%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	125179	24.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.48%
66) 1,2-Dichlorobenzene-d4	13.72	152	162211	26.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	7435	1.336	ug/L	97
3) Chloromethane	2.12	50	7653	1.228	ug/L	96
5) Vinyl chloride	2.25	62	7797	1.179	ug/L #	76
6) Bromomethane	2.66	94	4941	1.222	ug/L	90
9) Trichlorofluoromethane	3.13	101	10779	1.220	ug/L	99
12) 1,1-Dichloroethene	3.88	96	6396	1.469	ug/L #	1
13) Acetone	3.95	43	4835	3.032	ug/L	76
14) Carbon disulfide	4.20	76	16592	1.132	ug/L	98
15) Methyl Acetate	4.49	43	3874	1.056	ug/L #	87
16) Methylene chloride	4.73	84	12249	2.299	ug/L	92
17) trans-1,2-Dichloroethene	5.22	96	5753	1.207	ug/L	81
18) Methyl tert-butyl Ether	5.22	73	15052	1.069	ug/L #	91
20) cis-1,2-Dichloroethene	6.99	96	5985	1.162	ug/L	87
22) 2-Butanone	7.00	43	6130	2.480	ug/L	83
23) Bromochloromethane	7.34	128	2896	1.137	ug/L	92
27) 1,2-Dichloroethane	8.24	62	8348	1.190	ug/L	98
29) Cyclohexane	7.79	56	9213	1.126	ug/L	98

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

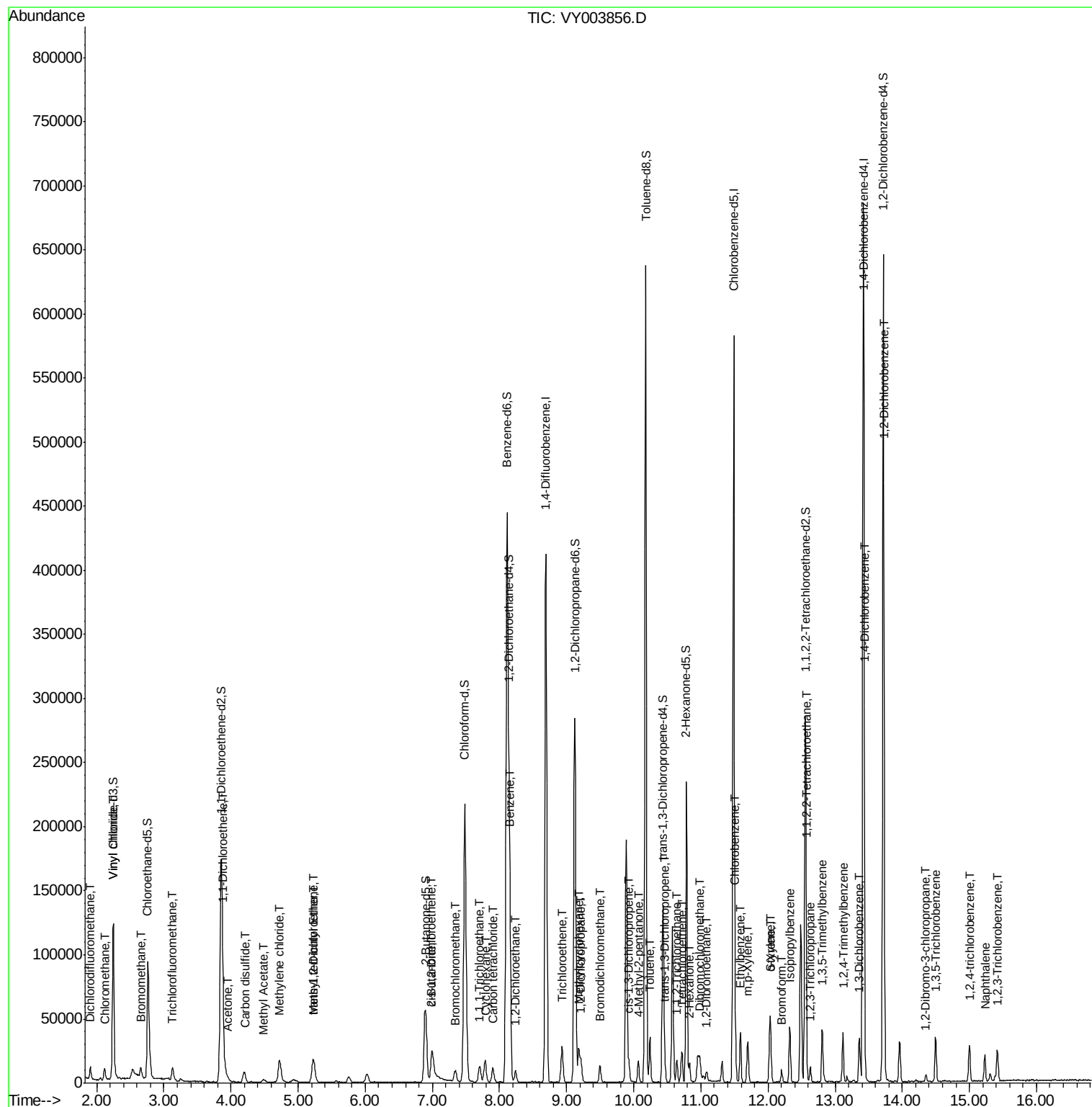
30) 1,1,1-Trichloroethane	7.70	97	9452	1.125	ug/L #	87
31) Carbon tetrachloride	7.90	117	8303	1.068	ug/L	95
33) Benzene	8.16	78	21158	1.109	ug/L	100
34) Trichloroethene	8.94	95	5788	1.097	ug/L	96
35) Methylcyclohexane	9.19	83	8560	0.997	ug/L	89
37) 1,2-Dichloropropane	9.22	63	5634	1.160	ug/L #	95
38) Bromodichloromethane	9.49	83	8164	1.193	ug/L	93
39) cis-1,3-Dichloropropene	9.93	75	8988	1.083	ug/L	91
40) 4-Methyl-2-pentanone	10.07	43	11880	2.290	ug/L	99
42) Toluene	10.24	91	24383	1.155	ug/L	93
44) trans-1,3-Dichloropropene	10.47	75	12530	1.564	ug/L	94
45) 1,1,2-Trichloroethane	10.64	97	4793	1.149	ug/L	92
46) Tetrachloroethene	10.72	164	5361	1.175	ug/L	90
48) 2-Hexanone	10.83	43	7310	1.934	ug/L #	89
49) Dibromochloromethane	10.98	129	5841	1.106	ug/L	82
50) 1,2-Dibromoethane	11.09	107	4746	1.152	ug/L	99
51) Chlorobenzene	11.51	112	15547	1.139	ug/L	98
52) Ethylbenzene	11.59	91	26322	1.113	ug/L	99
53) m,p-Xylene	11.70	106	9856	1.099	ug/L	69
54) o-Xylene	12.03	106	9329	1.068	ug/L	97
55) Styrene	12.04	104	15369	1.018	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.57	83	6720	1.361	ug/L	83
59) Bromoform	12.20	173	4162	1.133	ug/L #	94
60) Isopropylbenzene	12.32	105	25186	1.119	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	4852	1.160	ug/L #	83
62) 1,3,5-Trimethylbenzene	12.81	105	20445	1.094	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	19897	1.050	ug/L	97
64) 1,3-Dichlorobenzene	13.36	146	12882	1.181	ug/L	95
65) 1,4-Dichlorobenzene	13.44	146	13502	1.223	ug/L	91
67) 1,2-Dichlorobenzene	13.73	146	12735	1.247	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.35	75	1453	1.398	ug/L #	66
69) 1,3,5-Trichlorobenzene	14.50	180	10555	1.242	ug/L	96
70) 1,2,4-trichlorobenzene	15.00	180	8650	1.200	ug/L	99
71) Naphthalene	15.23	128	16354	1.087	ug/L	97
72) 1,2,3-Trichlorobenzene	15.42	180	8242	1.295	ug/L	99

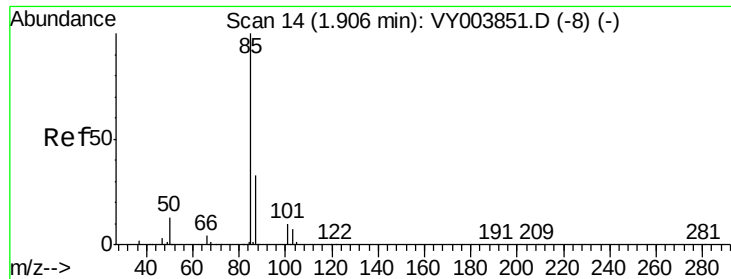
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.336 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

ClientSampleId :

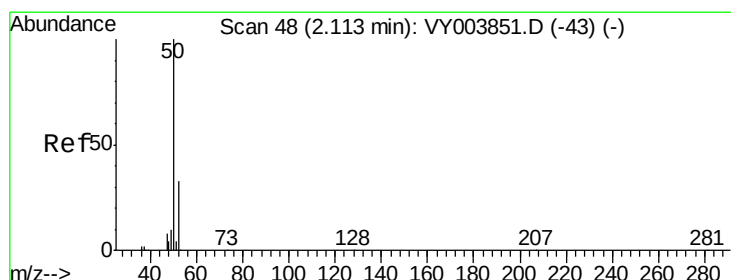
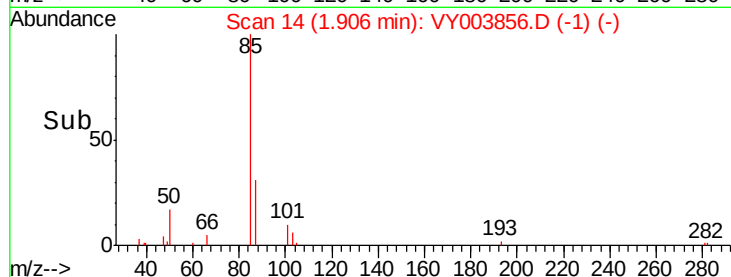
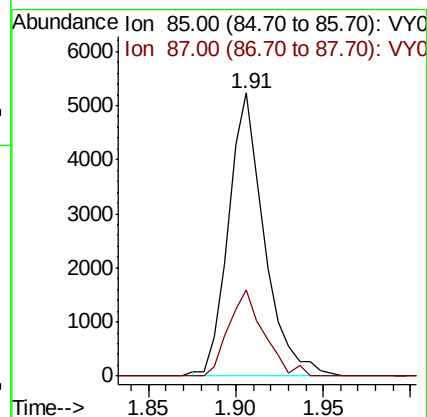
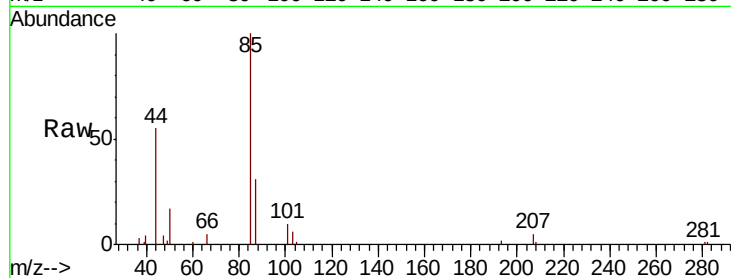
MDL-SOIL-02

Tot Ion: 85 Resp: 7435

Ion Ratio Lower Upper

85 100

87 30.0 25.4 38.2



#3

Chloromethane

Concen: 1.228 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.01 min

Lab File: VY003856.D

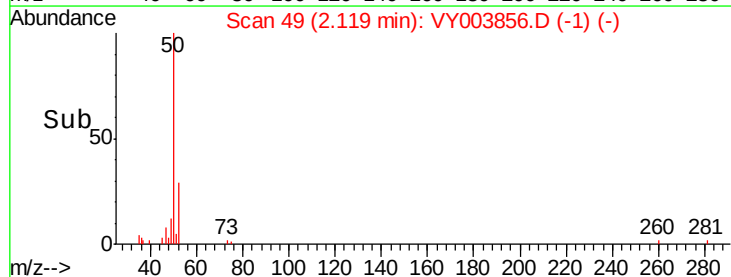
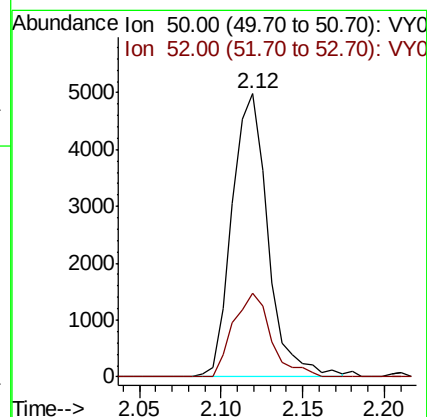
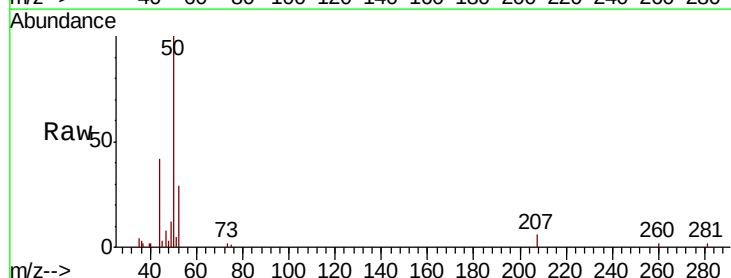
Acq: 29 Dec 2020 17:06

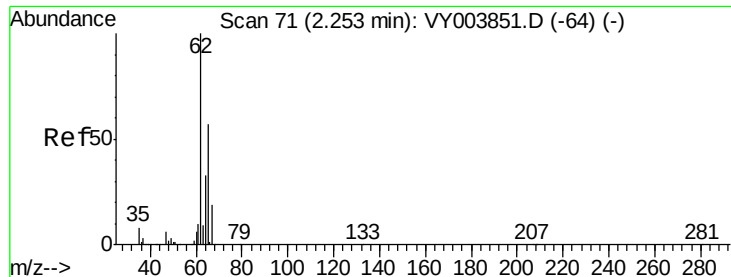
Tgt Ion: 50 Resp: 7653

Ion Ratio Lower Upper

50 100

52 29.4 22.0 41.0





#5

Vinyl chloride

Concen: 1.179 ug/L

RT: 2.25 min Scan# 71

Delta R.T. 0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

ClientSampleId :

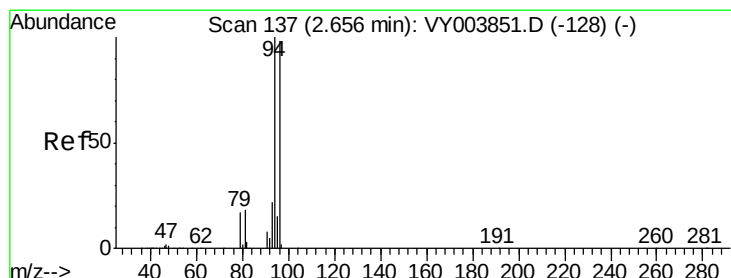
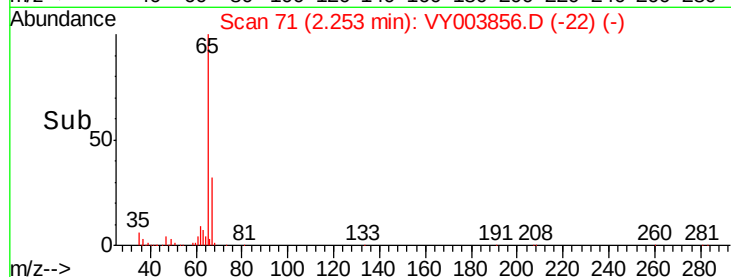
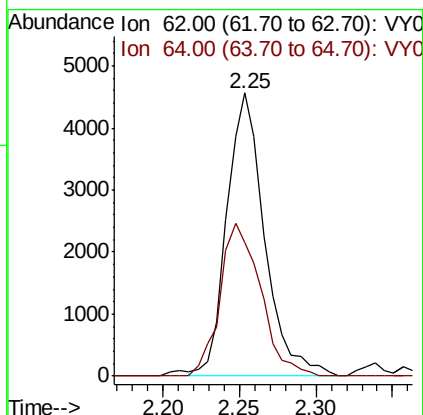
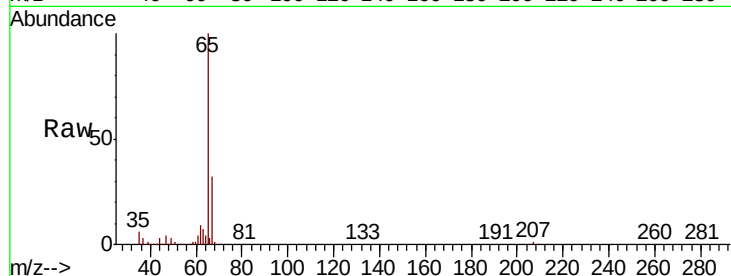
MDL-SOIL-02

Tot Ion: 62 Resp: 7797

Ion Ratio Lower Upper

62 100

64 47.1 23.2 43.2#



#6

Bromomethane

Concen: 1.222 ug/L

RT: 2.66 min Scan# 137

Delta R.T. 0.00 min

Lab File: VY003856.D

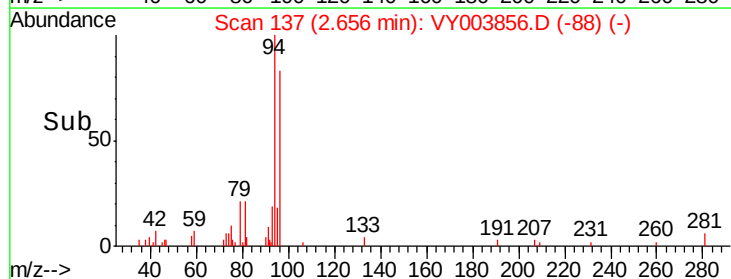
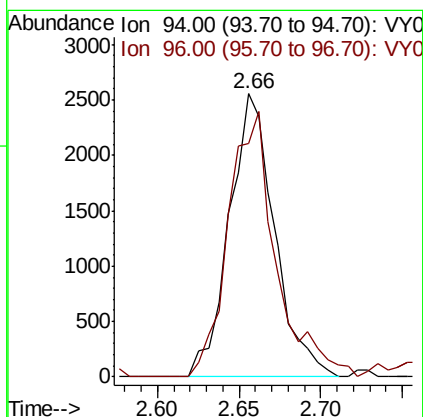
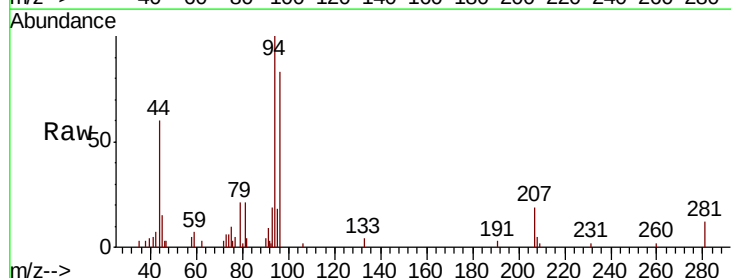
Acq: 29 Dec 2020 17:06

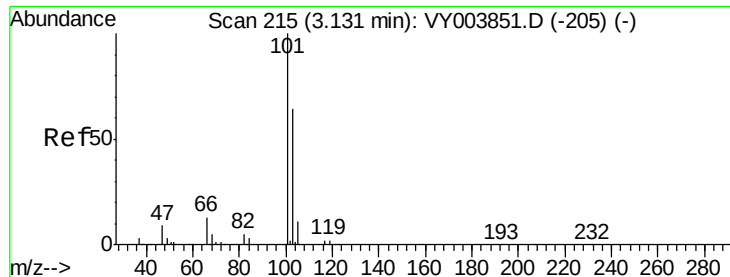
Tgt Ion: 94 Resp: 4941

Ion Ratio Lower Upper

94 100

96 82.6 64.3 119.3



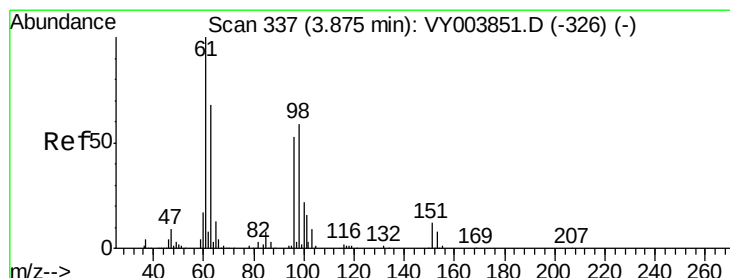
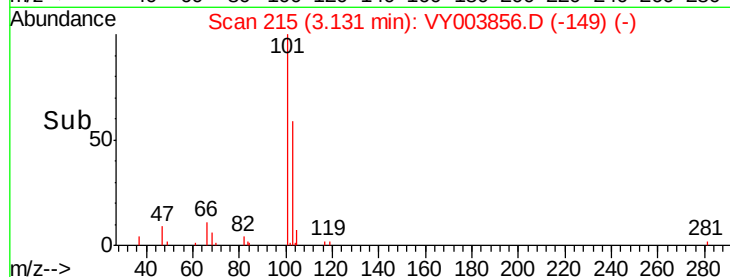
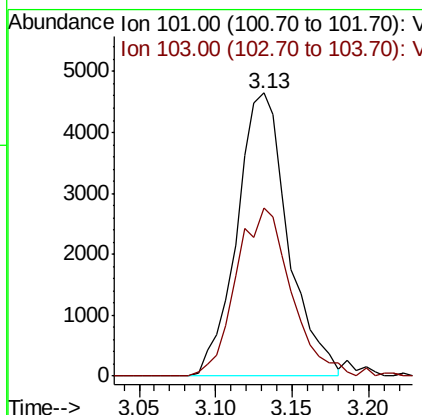
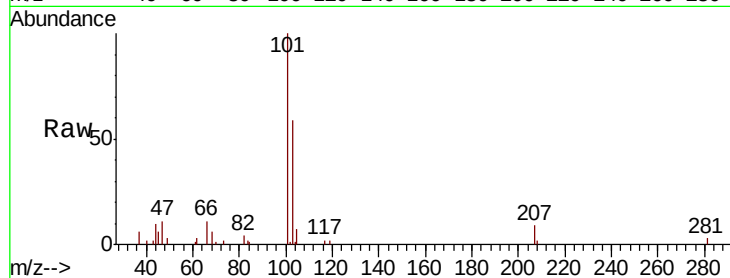


#9

Trichlorofluoromethane
 Concen: 1.220 ug/L
 RT: 3.13 min Scan# 215
 Delta R.T. -0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL-SOIL-02

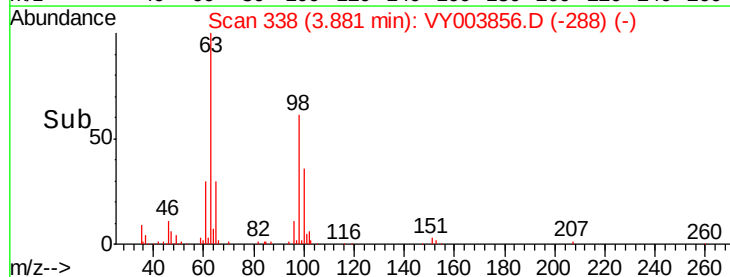
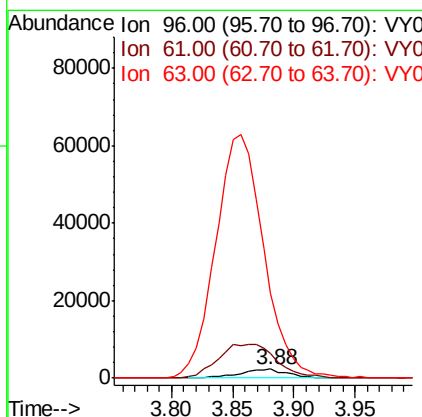
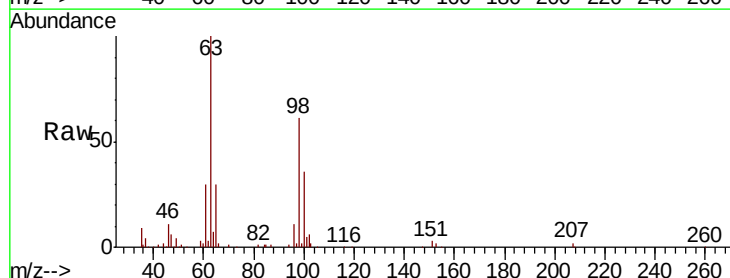
Tot Ion:101 Resp: 10779
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.4 77.0

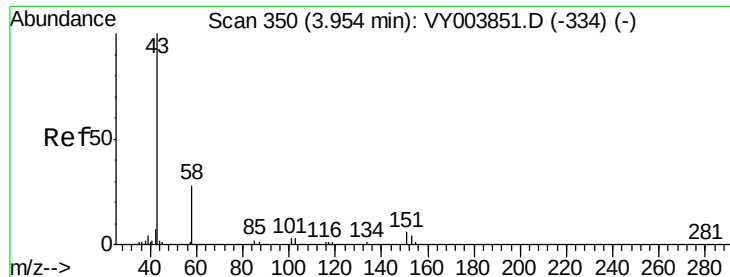


#12

1,1-Dichloroethene
 Concen: 1.469 ug/L
 RT: 3.88 min Scan# 338
 Delta R.T. 0.01 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Tgt Ion: 96 Resp: 6396
 Ion Ratio Lower Upper
 96 100
 61 272.0 123.8 230.0#
 63 917.6 85.3 158.3#





#13

Acetone

Concen: 3.032 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

ClientSampleId :

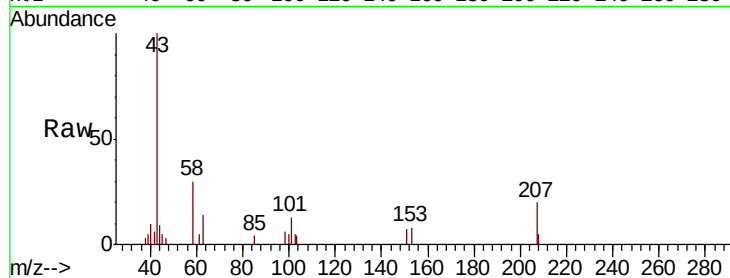
MDL-SOIL-02

Tot Ion: 43 Resp: 4835

Ion Ratio Lower Upper

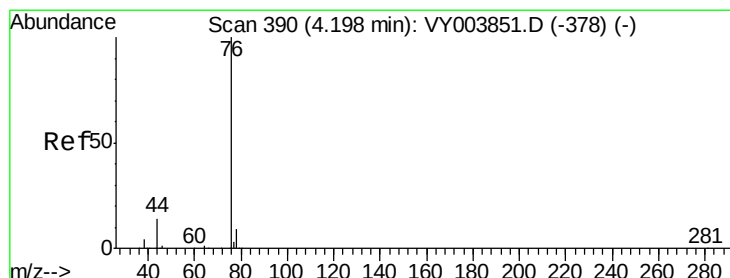
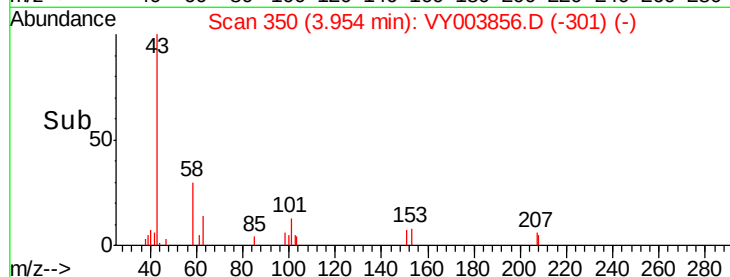
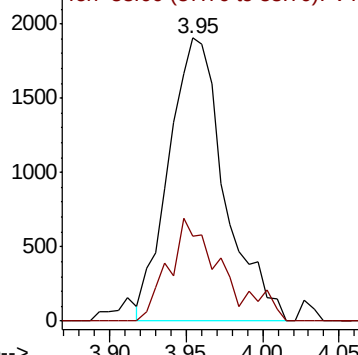
43 100

58 16.5 0.0 58.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 1.132 ug/L

RT: 4.20 min Scan# 391

Delta R.T. 0.01 min

Lab File: VY003856.D

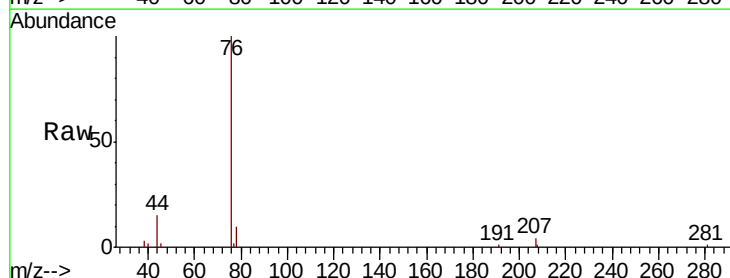
Acq: 29 Dec 2020 17:06

Tgt Ion: 76 Resp: 16592

Ion Ratio Lower Upper

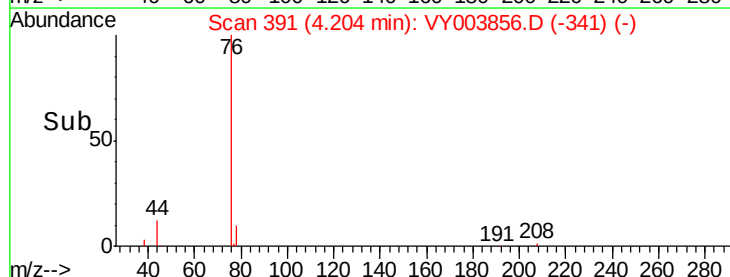
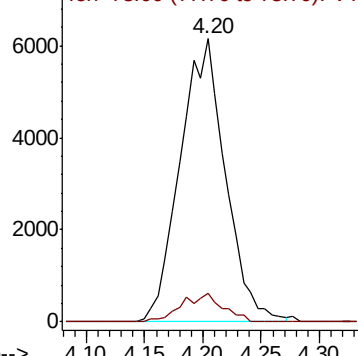
76 100

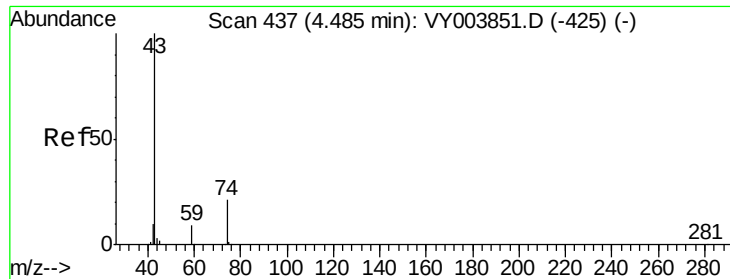
78 10.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

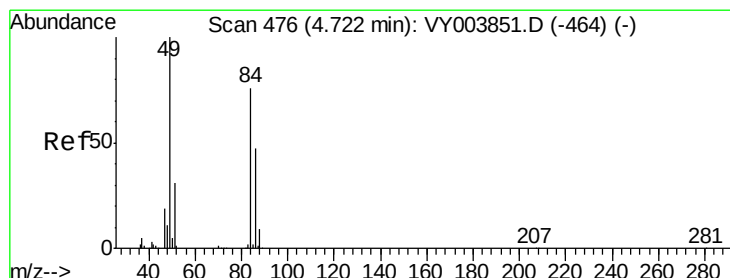
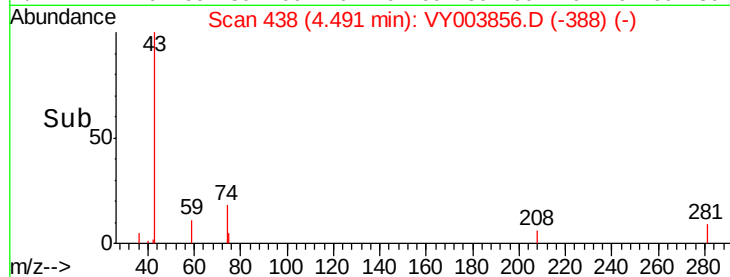
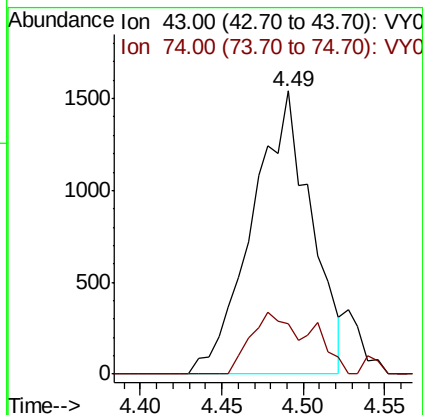
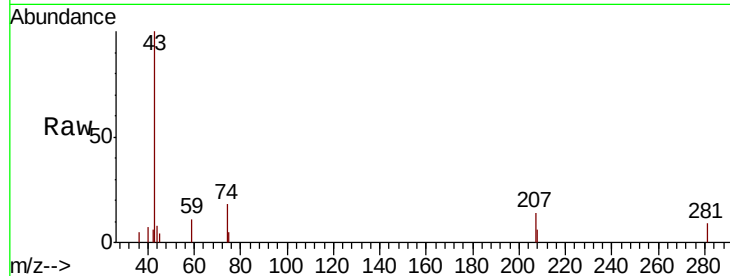




#15
Methyl Acetate
Concen: 1.056 ug/L
RT: 4.49 min Scan# 438
Delta R.T. 0.01 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

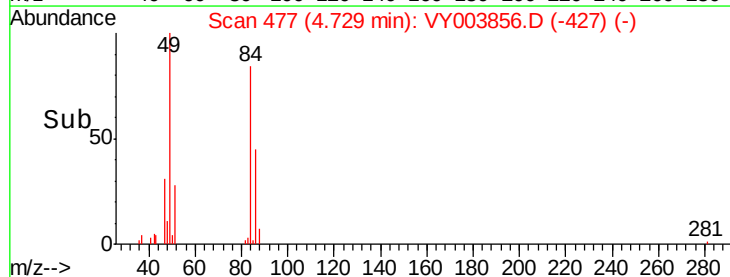
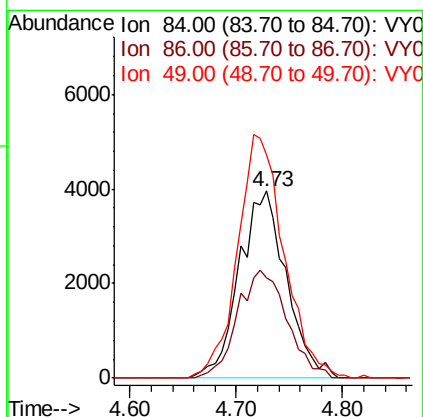
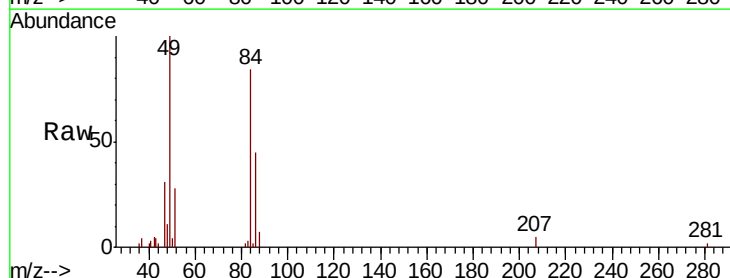
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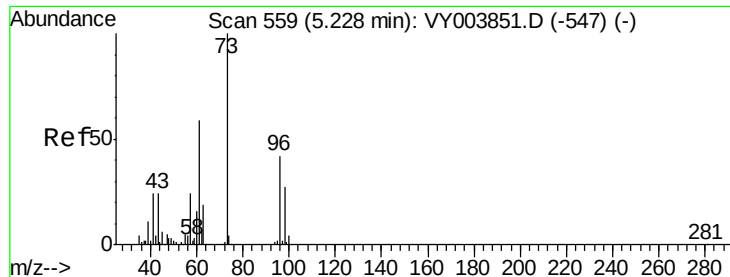
Tot Ion: 43 Resp: 3874
Ion Ratio Lower Upper
43 100
74 15.5 17.4 26.2#



#16
Methylene chloride
Concen: 2.299 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Tgt Ion: 84 Resp: 12249
Ion Ratio Lower Upper
84 100
86 53.7 42.1 78.3
49 119.4 90.3 167.7

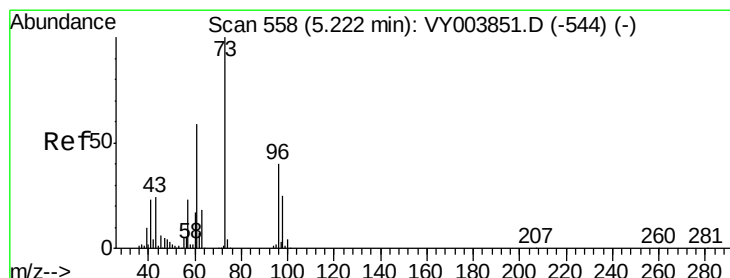
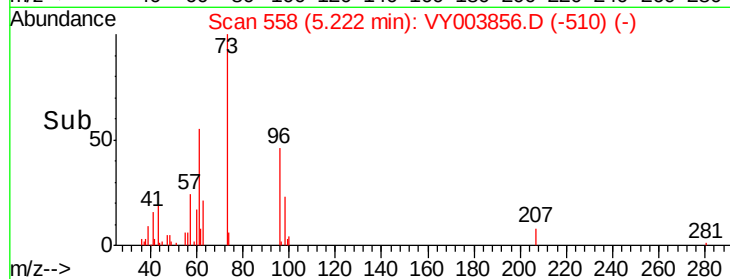
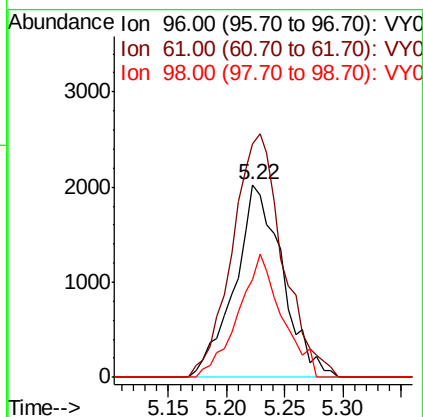
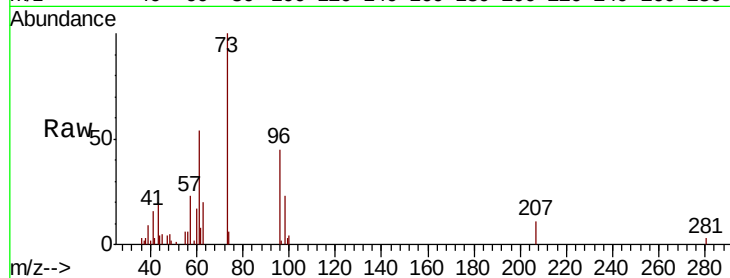




#17
trans-1,2-Dichloroethene
Concen: 1.207 ug/L
RT: 5.22 min Scan# 558
Delta R.T. -0.01 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

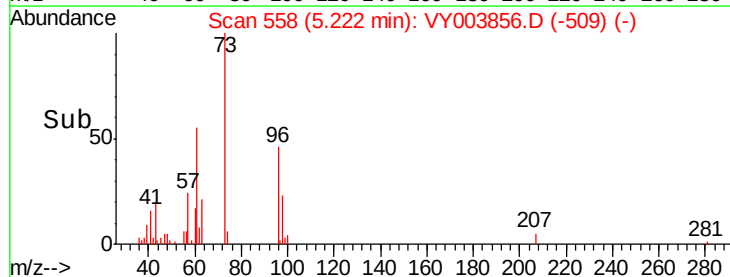
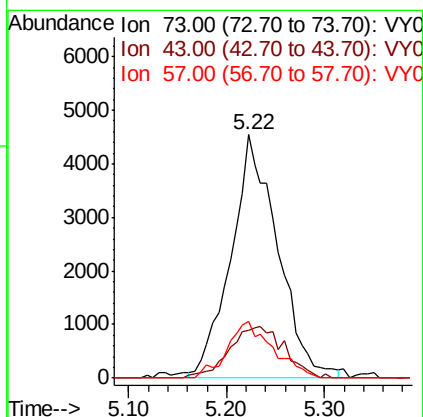
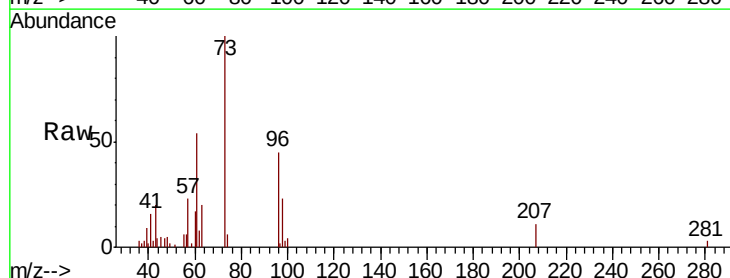
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-02

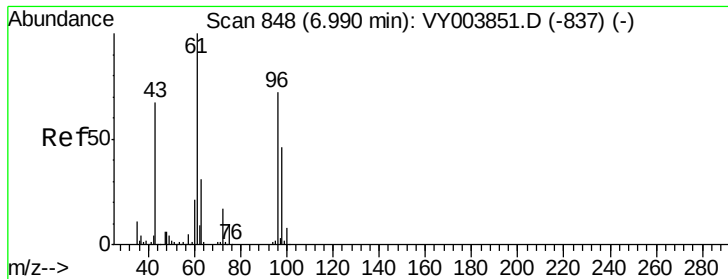
Tot Ion: 96 Resp: 5753
Ion Ratio Lower Upper
96 100
61 120.9 101.7 188.9
98 50.6 44.3 82.3



#18
Methyl tert-butyl Ether
Concen: 1.069 ug/L
RT: 5.22 min Scan# 558
Delta R.T. -0.00 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Tgt Ion: 73 Resp: 15052
Ion Ratio Lower Upper
73 100
43 24.7 18.4 27.6
57 15.0 17.6 26.4#

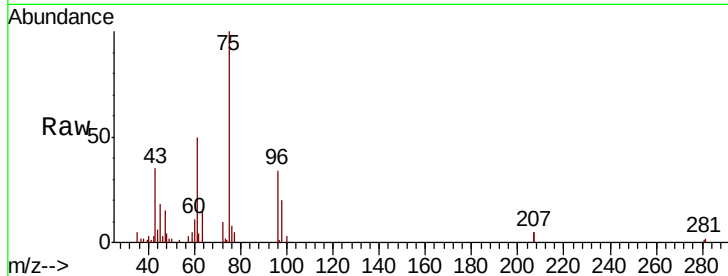




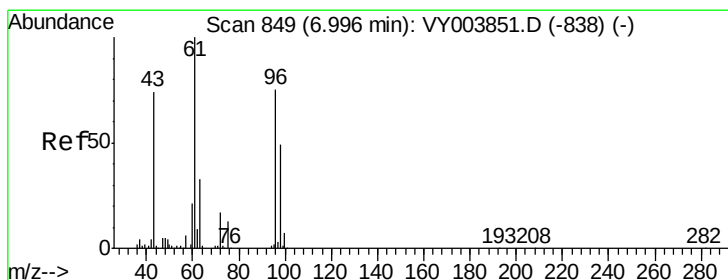
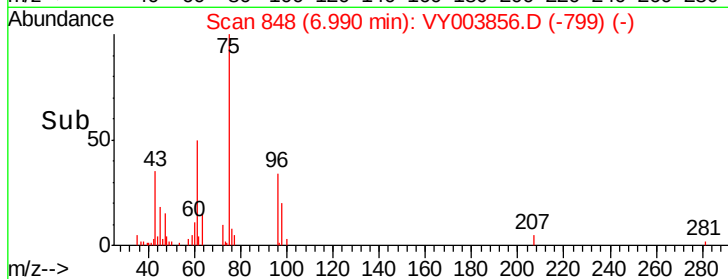
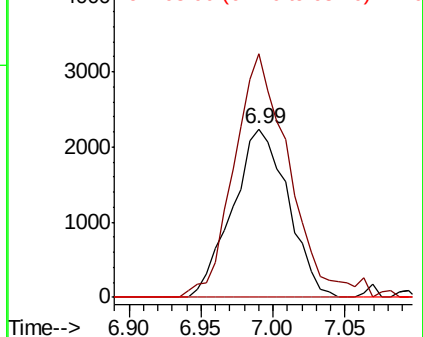
#20
 cis-1,2-Dichloroethene
 Concen: 1.162 ug/L
 RT: 6.99 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-02

Tot Ion: 96 Resp: 5985
 Ion Ratio Lower Upper
 96 100
 61 144.7 90.6 168.3
 68 0.0 0.0 0.0

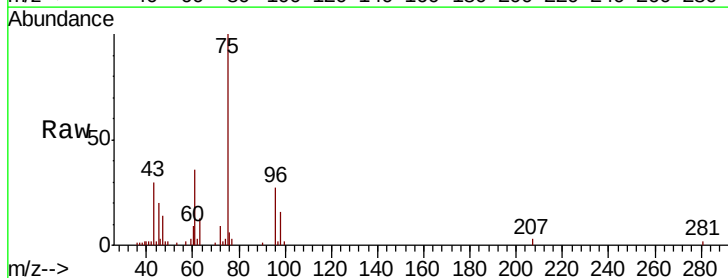


Abundance Ion 96.00 (95.70 to 96.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 68.00 (67.70 to 68.70): VY0

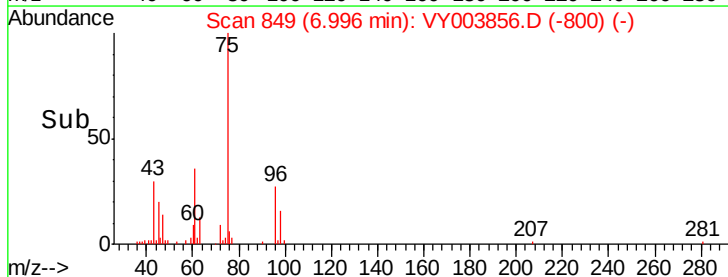
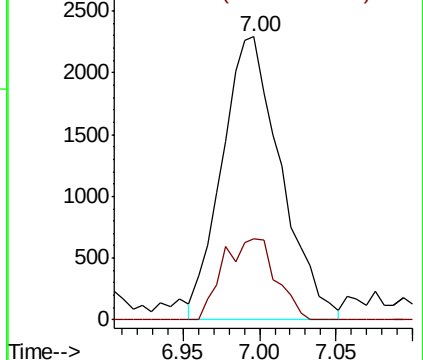


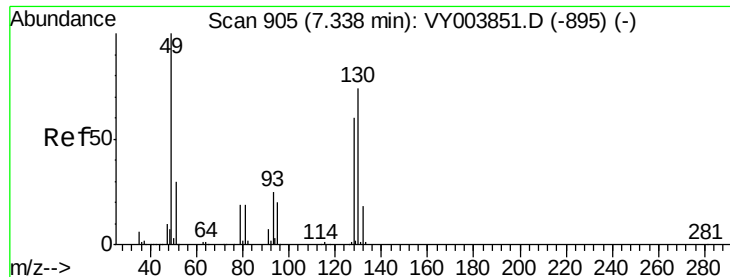
#22
 2-Butanone
 Concen: 2.480 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Tgt Ion: 43 Resp: 6130
 Ion Ratio Lower Upper
 43 100
 72 16.6 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: 1.137 ug/L

RT: 7.34 min Scan# 906

Delta R.T. 0.01 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-02

Tot Ion:128 Resp: 2896

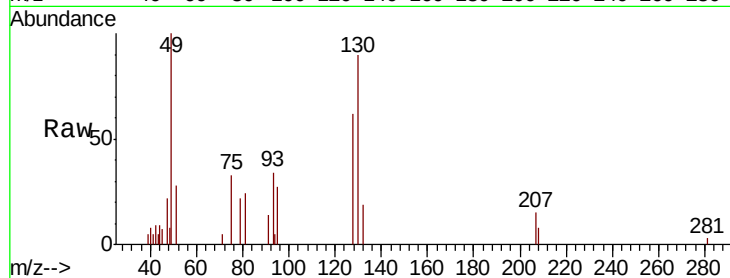
Ion Ratio Lower Upper

128 100

49 161.2 114.4 212.4

130 145.1 88.8 164.8

51 45.4 41.0 61.6

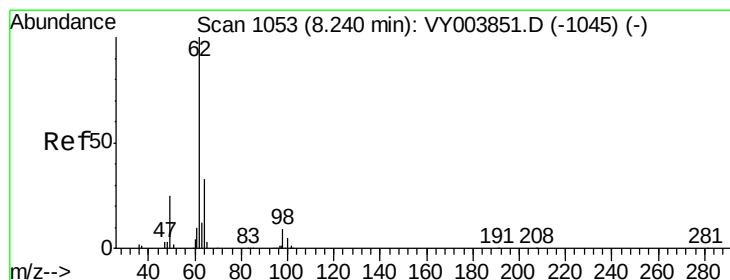
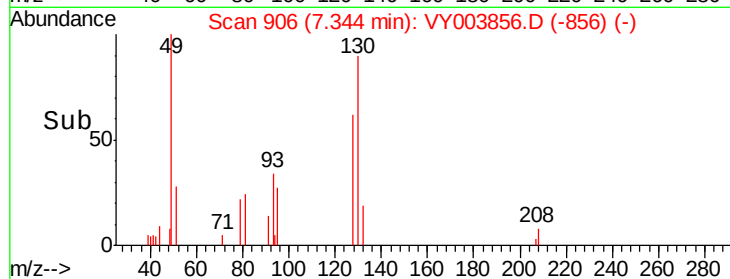
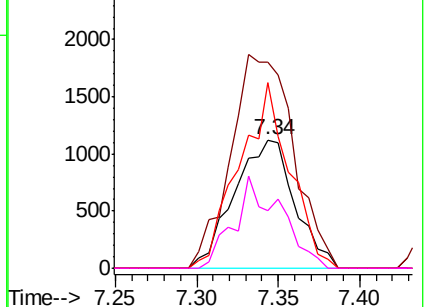


Abundance Ion 128.00 (127.70 to 128.70): V

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: 1.190 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY003856.D

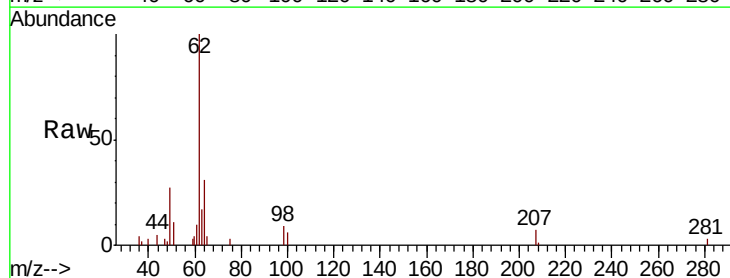
Acq: 29 Dec 2020 17:06

Tgt Ion: 62 Resp: 8348

Ion Ratio Lower Upper

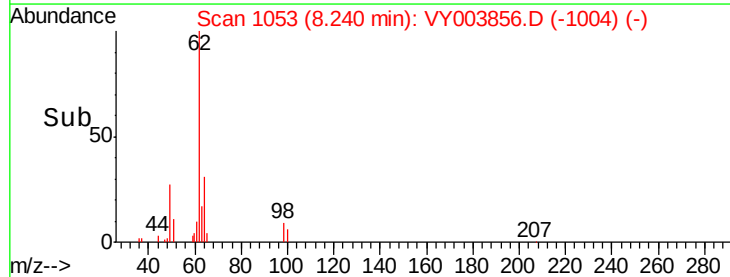
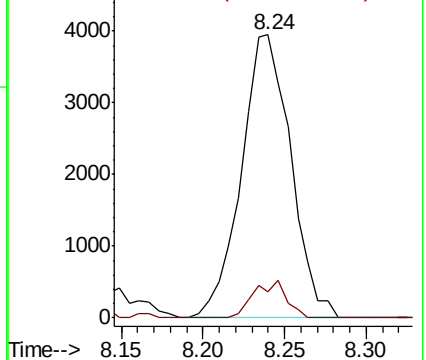
62 100

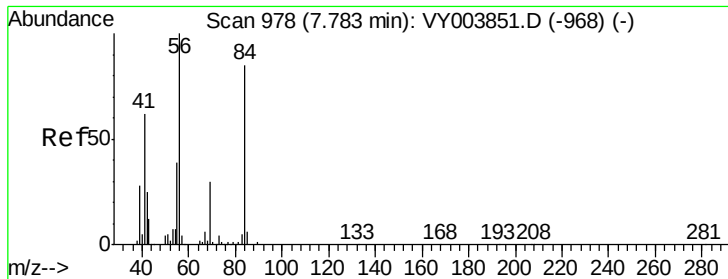
98 9.3 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

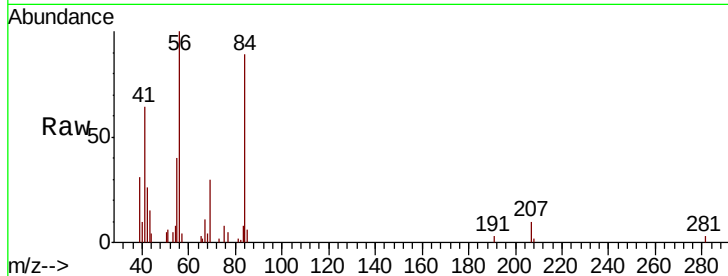




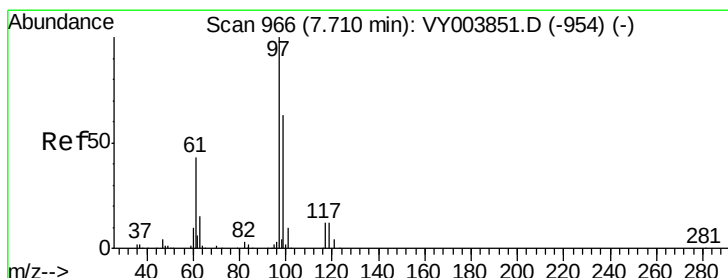
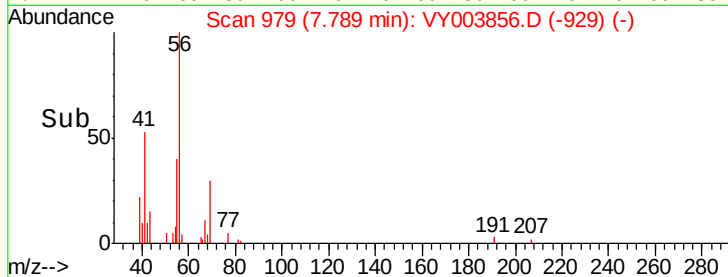
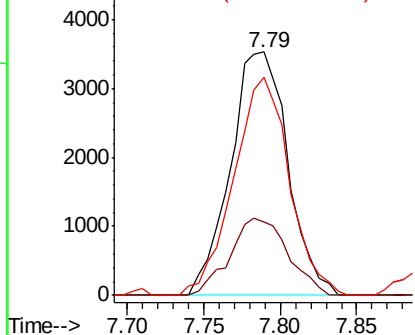
#29
Cyclohexane
Concen: 1.126 ug/L
RT: 7.79 min Scan# 979
Delta R.T. 0.01 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-02

Tot Ion: 56 Resp: 9213
Ion Ratio Lower Upper
56 100
69 32.0 24.2 36.2
84 86.7 68.7 103.1

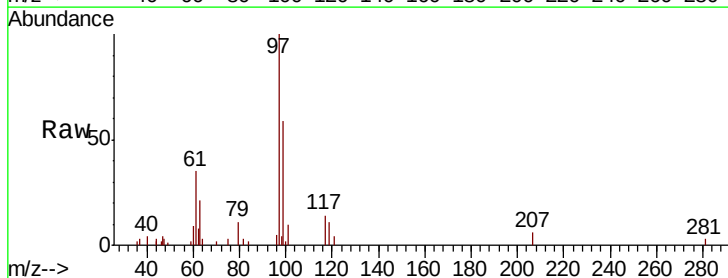


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

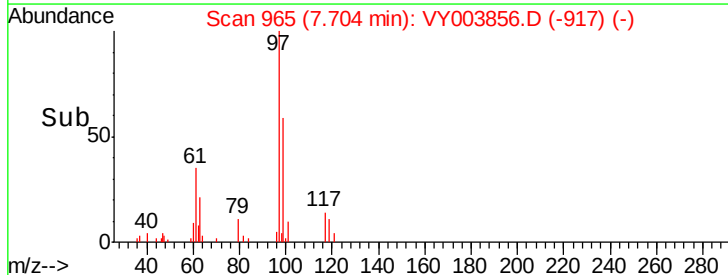
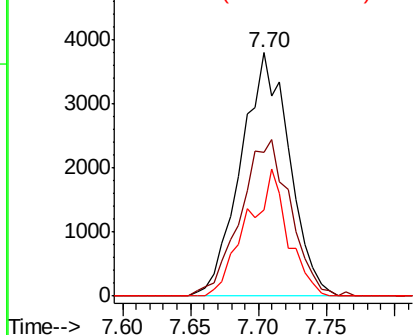


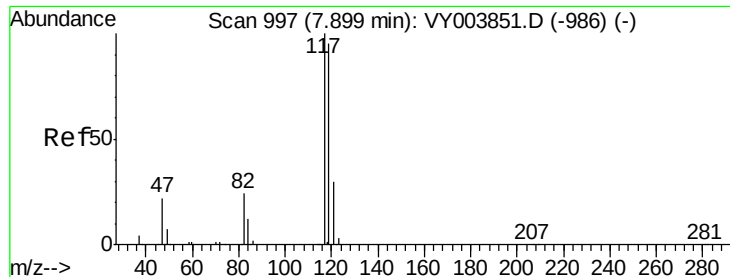
#30
1,1,1-Trichloroethane
Concen: 1.125 ug/L
RT: 7.70 min Scan# 965
Delta R.T. -0.01 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Tgt Ion: 97 Resp: 9452
Ion Ratio Lower Upper
97 100
99 66.3 50.5 75.7
61 27.2 35.5 53.3#



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

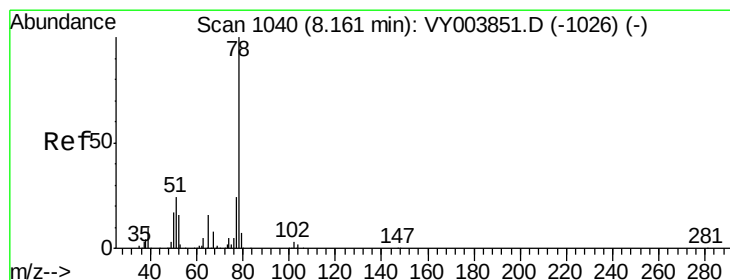
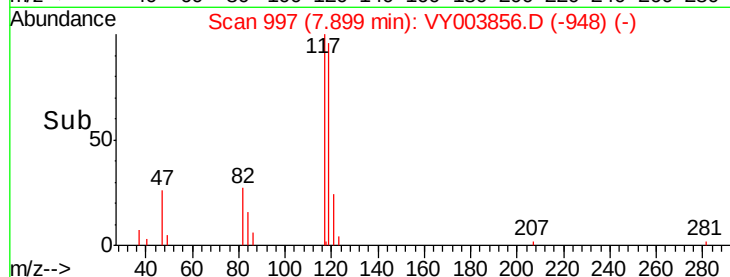
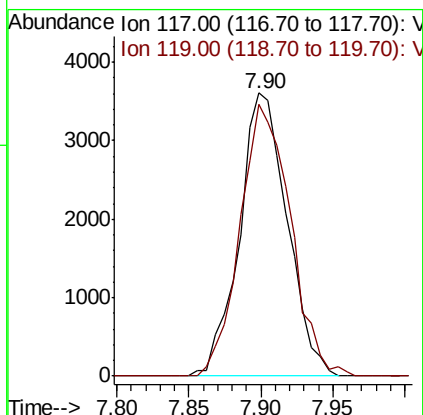
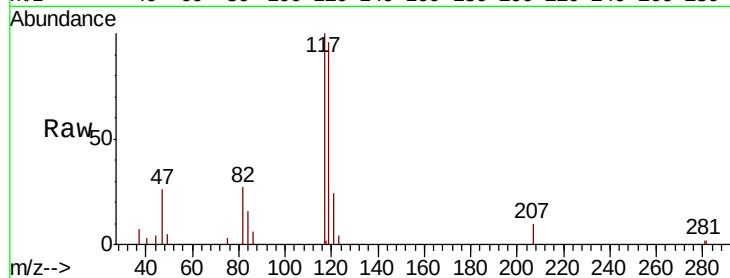




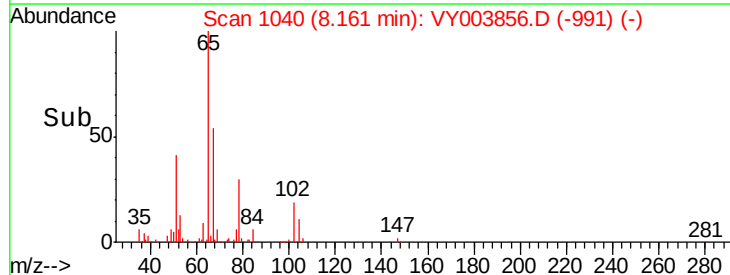
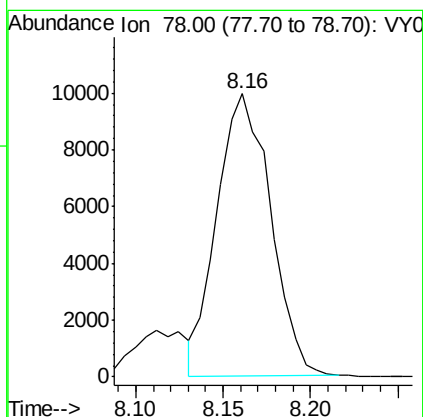
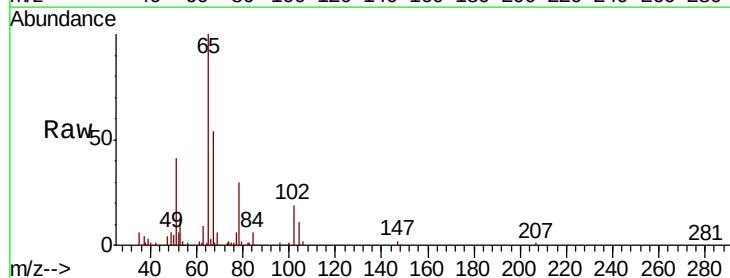
#31
Carbon tetrachloride
Concen: 1.068 ug/L
RT: 7.90 min Scan# 997
Delta R.T. -0.00 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

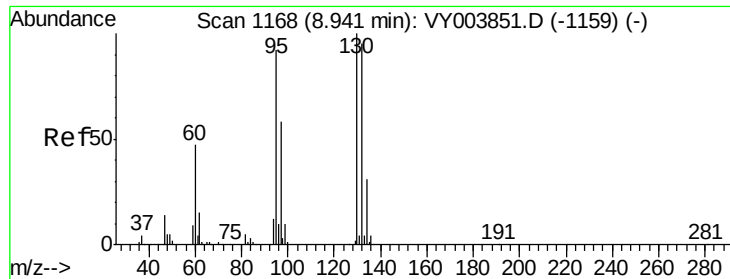
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-02

Tot Ion:117 Resp: 8303
Ion Ratio Lower Upper
117 100
119 100.5 76.2 114.4



#33
Benzene
Concen: 1.109 ug/L
RT: 8.16 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06
Tgt Ion: 78 Resp: 21158

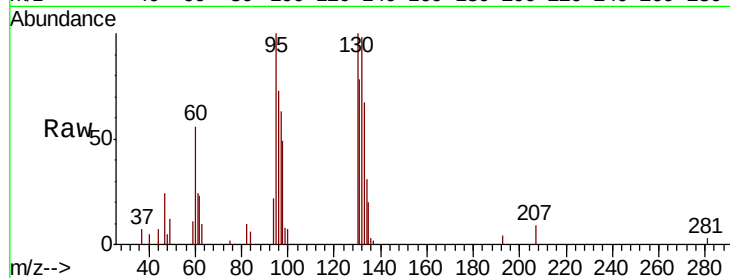




#34
 Trichloroethene
 Concen: 1.097 ug/L
 RT: 8.94 min Scan# 1167
 Delta R.T. -0.01 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-02

Tot Ion:	95	Resp:	5788
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.4	82.5
132	98.0	71.8	133.4
130	100.3	74.4	138.2



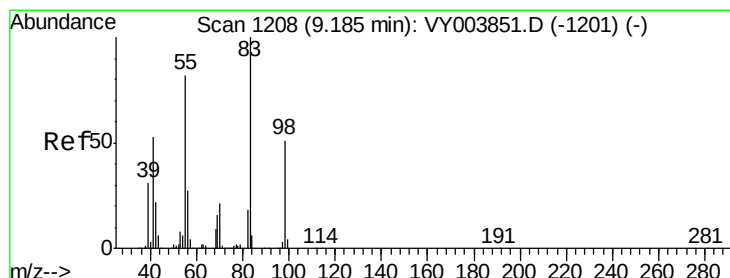
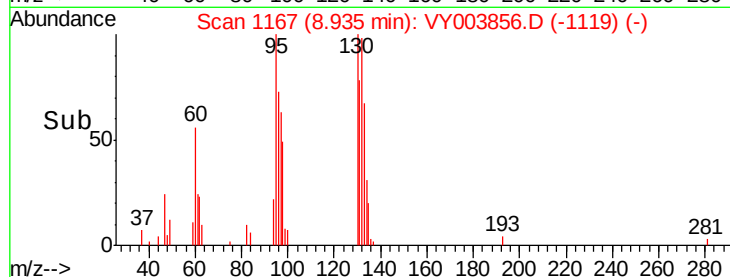
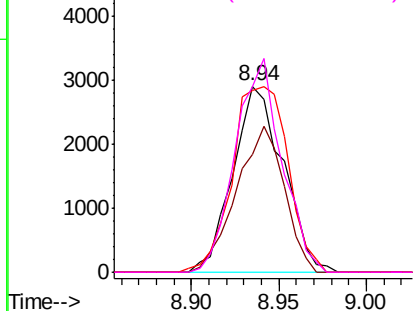
Abundance

Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

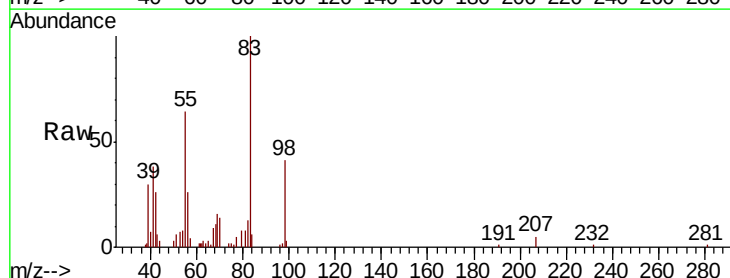
Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0



#35
 Methylcyclohexane
 Concen: 0.997 ug/L
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Tgt Ion:	83	Resp:	8560
Ion	Ratio	Lower	Upper
83	100		
55	89.8	62.9	94.3
98	55.2	39.7	59.5

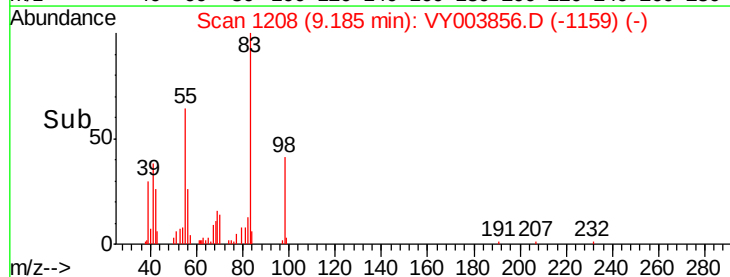
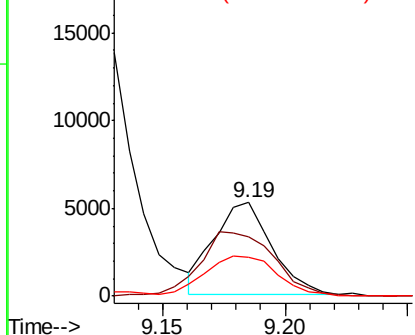


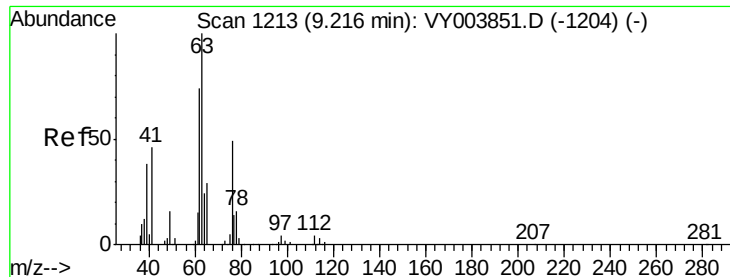
Abundance

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

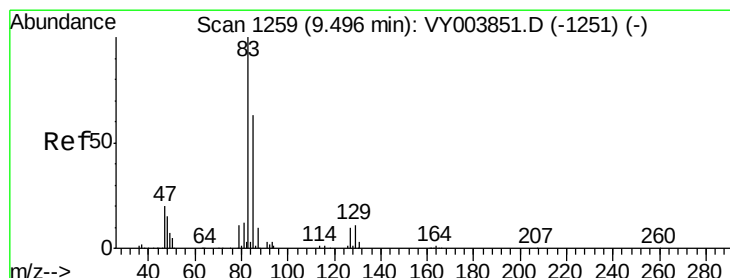
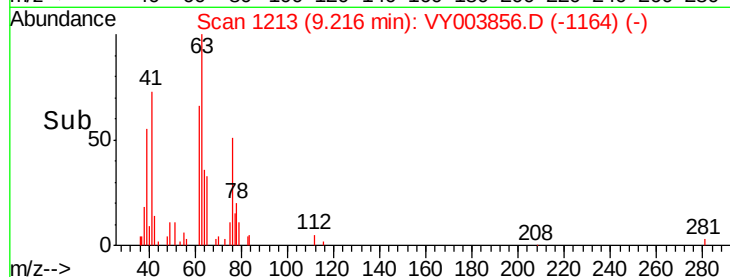
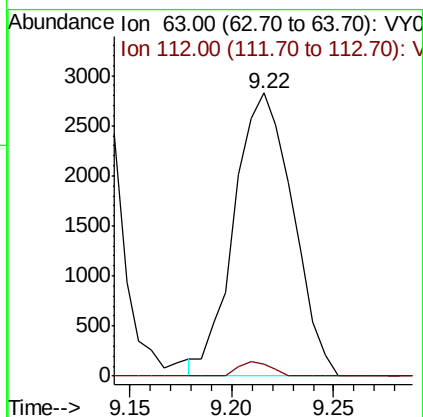
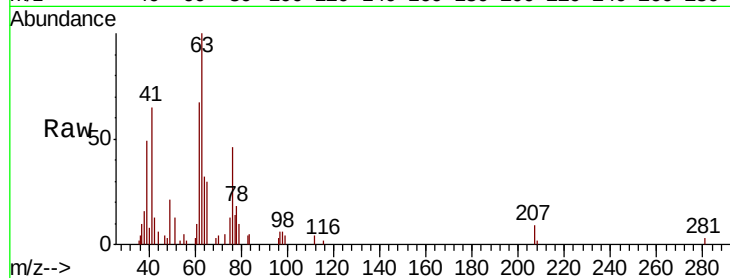




#37
 1,2-Dichloropropane
 Concen: 1.160 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

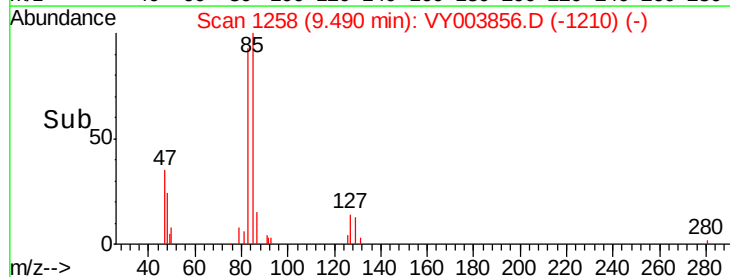
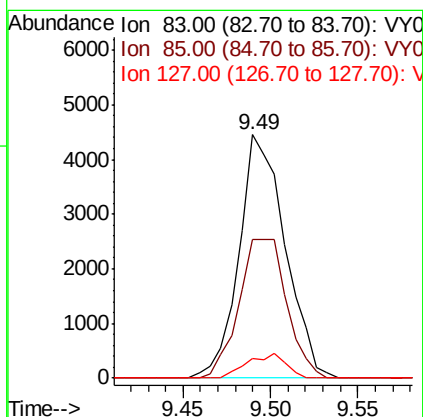
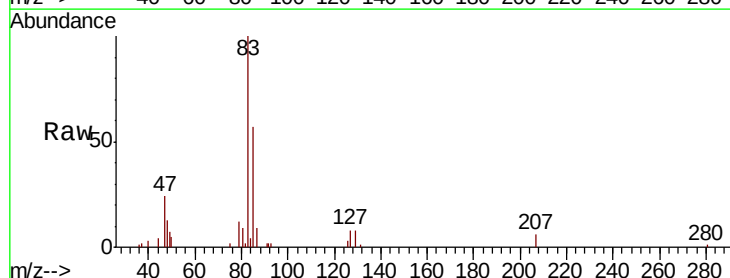
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-02

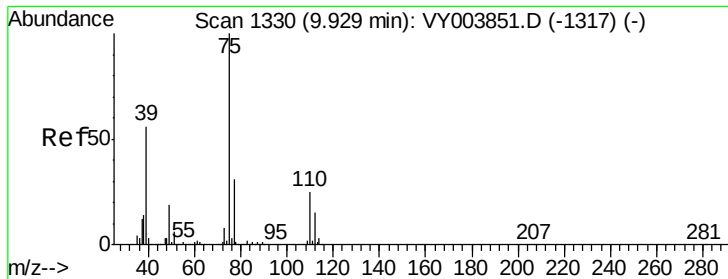
Tot Ion: 63 Resp: 5634
 Ion Ratio Lower Upper
 63 100
 112 2.8 3.7 5.5#



#38
 Bromodichloromethane
 Concen: 1.193 ug/L
 RT: 9.49 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Tgt Ion: 83 Resp: 8164
 Ion Ratio Lower Upper
 83 100
 85 56.9 44.2 82.0
 127 8.1 7.3 10.9

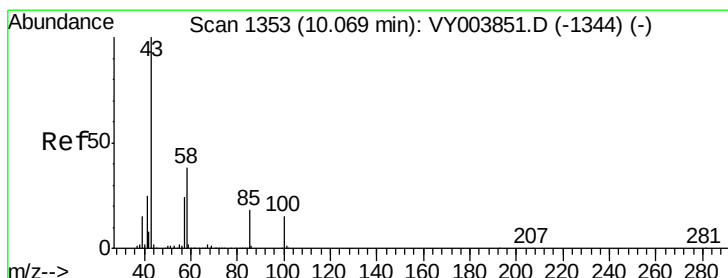
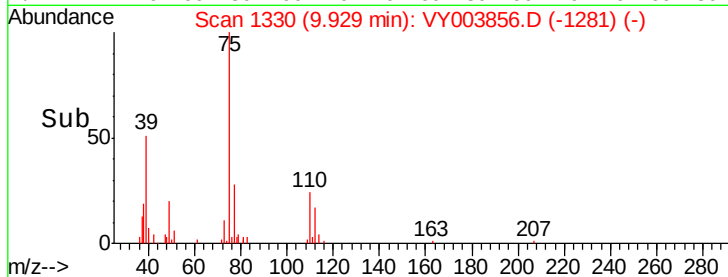
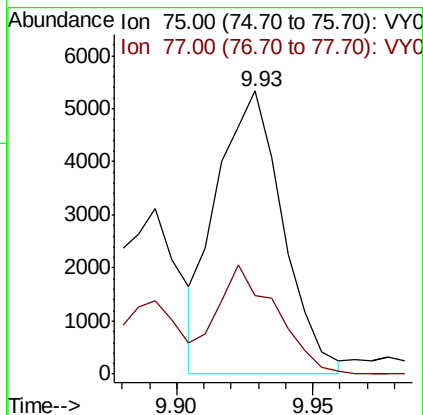
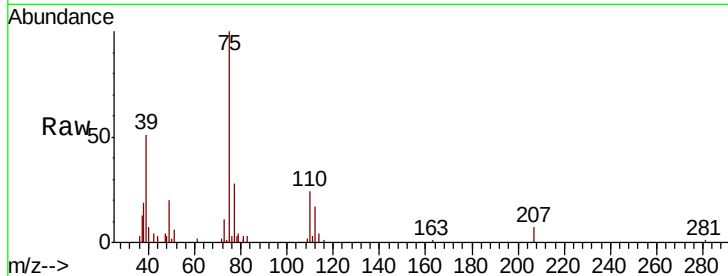




#39
 cis-1,3-Dichloropropene
 Concen: 1.083 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

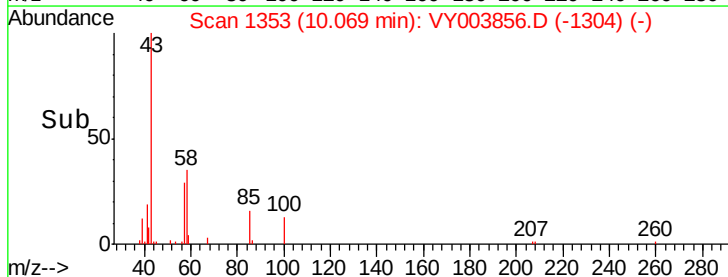
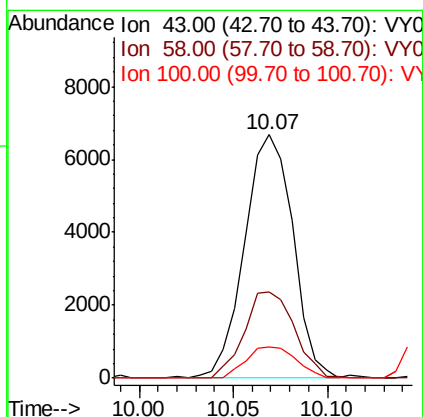
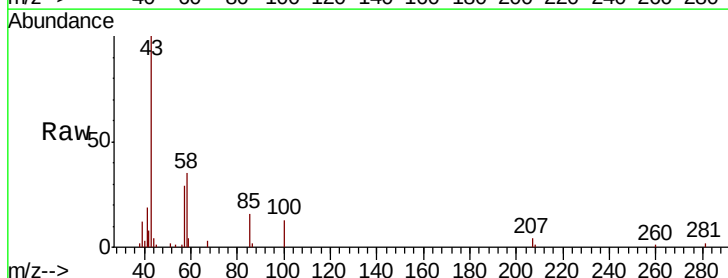
Instrument :
 MSVOA_Y
 ClientSampled :
 MDL-SOIL-02

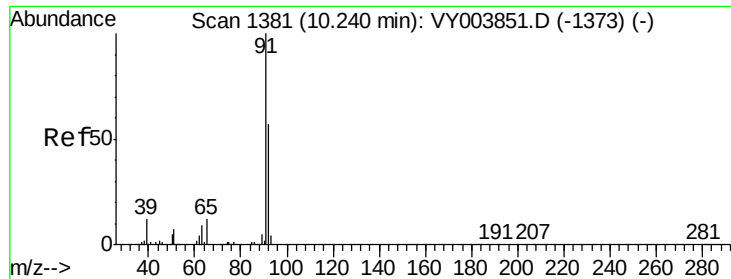
Tot Ion: 75 Resp: 8988
 Ion Ratio Lower Upper
 75 100
 77 28.0 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 2.290 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Tgt Ion: 43 Resp: 11880
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.6 44.4
 100 13.2 11.8 17.6





#42

Toluene

Concen: 1.155 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

ClientSampleId :

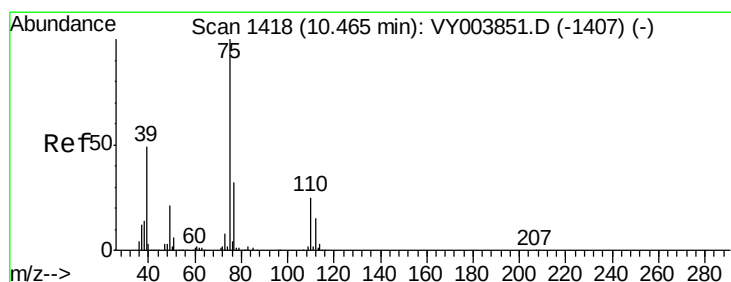
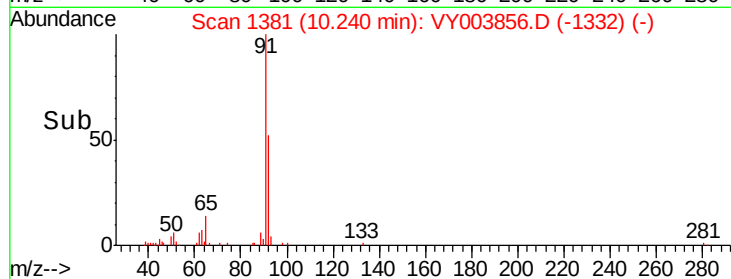
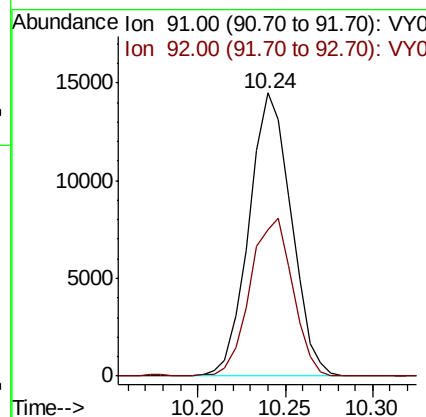
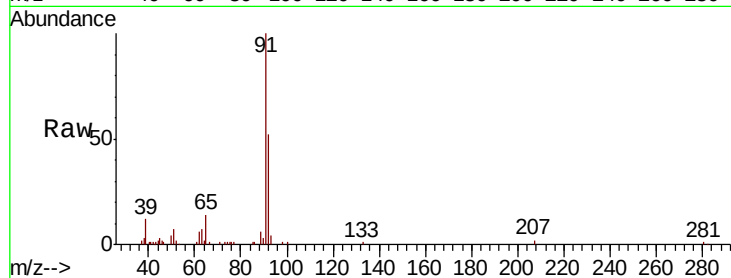
MDL-SOIL-02

Tot Ion: 91 Resp: 24383

Ion Ratio Lower Upper

91 100

92 51.8 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 1.564 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003856.D

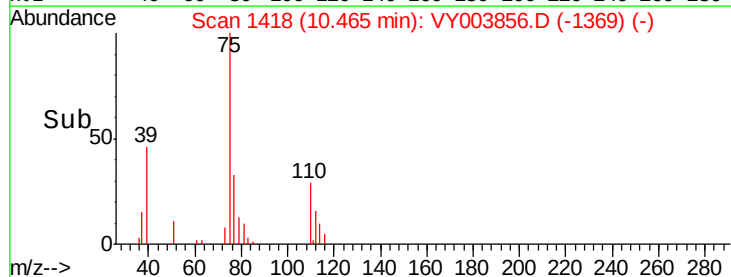
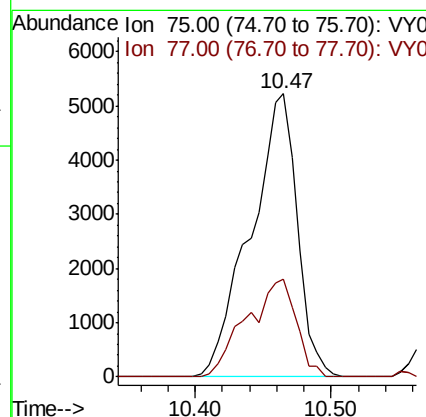
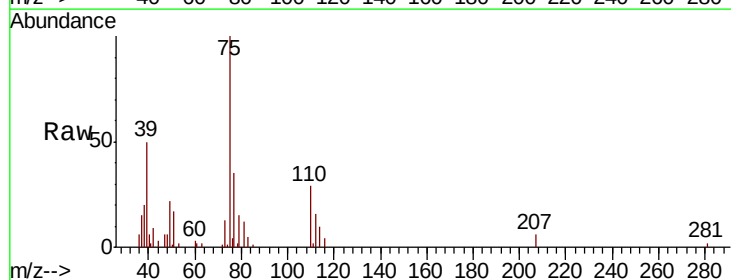
Acq: 29 Dec 2020 17:06

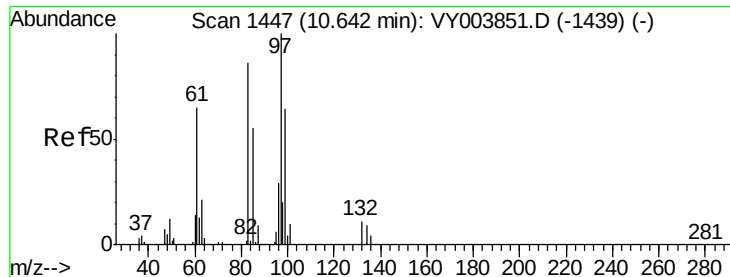
Tgt Ion: 75 Resp: 12530

Ion Ratio Lower Upper

75 100

77 34.7 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 1.149 ug/L

RT: 10.64 min Scan# 1447

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

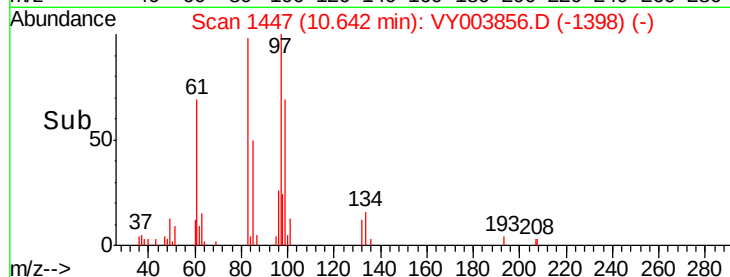
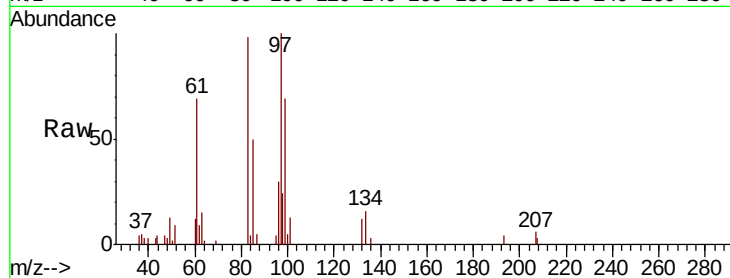
MSVOA_Y

ClientSampleId :

MDL-SOIL-02

Tot Ion: 97 Resp: 4793

Ion	Ratio	Lower	Upper
97	100		
99	69.4	46.0	85.4
83	98.2	60.8	112.8
85	49.8	38.4	71.2

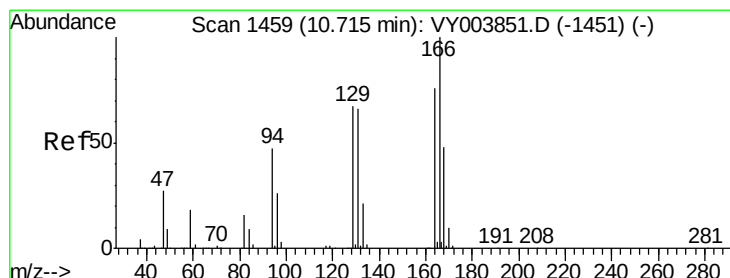
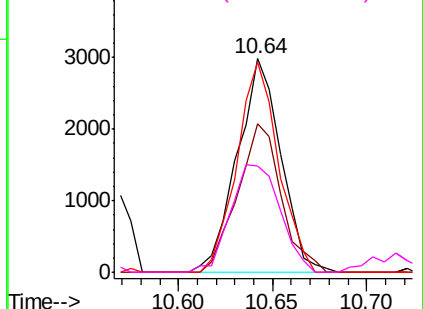


Abundance Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#46

Tetrachloroethene

Concen: 1.175 ug/L

RT: 10.72 min Scan# 1459

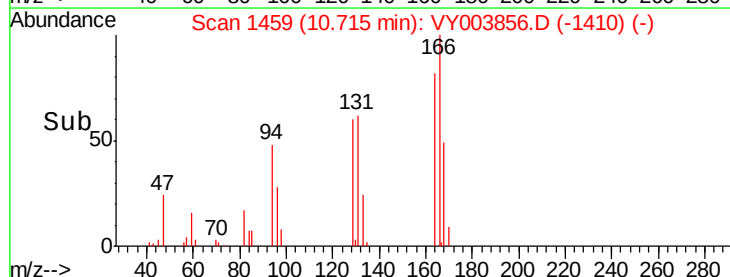
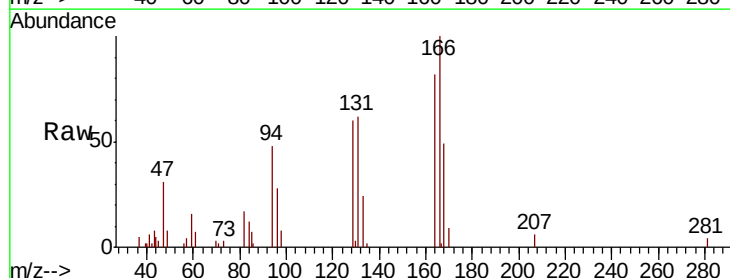
Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Tgt Ion: 164 Resp: 5361

Ion	Ratio	Lower	Upper
164	100		
129	73.1	62.5	116.1
131	75.6	60.7	112.7
166	122.1	87.2	162.0

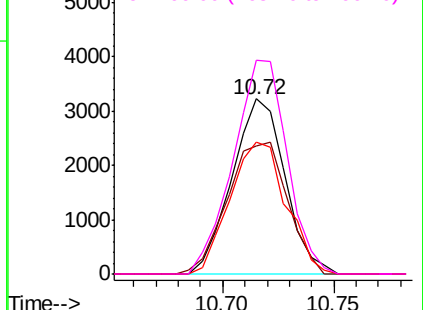


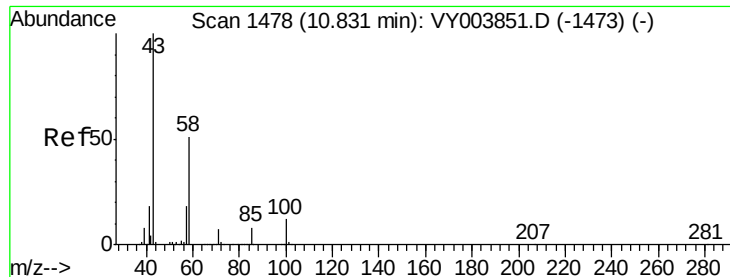
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

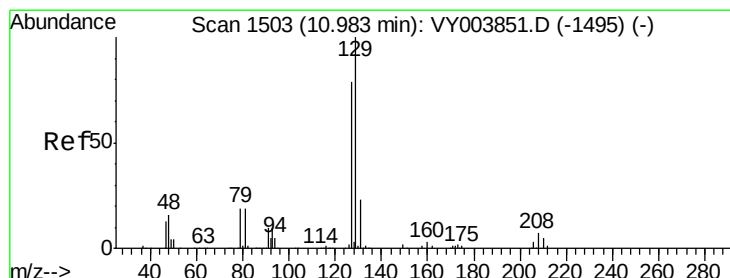
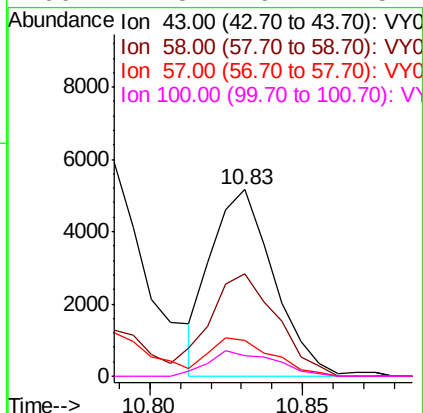
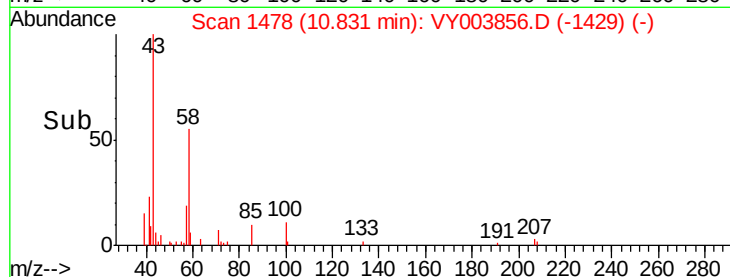
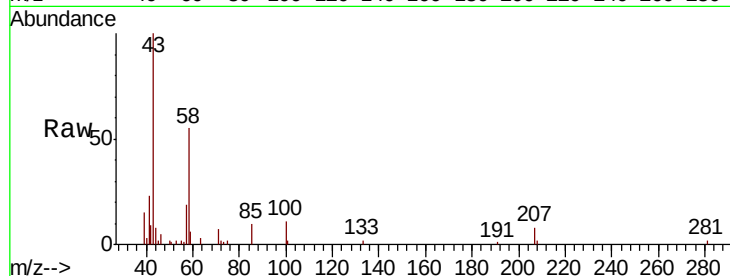




#48
2-Hexanone
Concen: 1.934 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

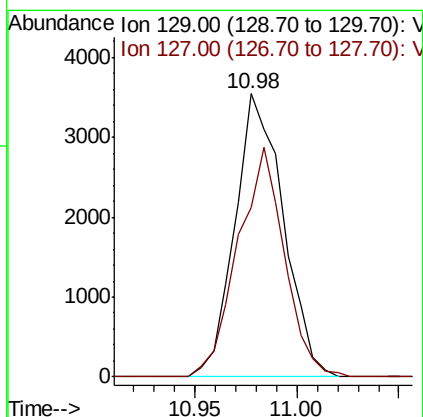
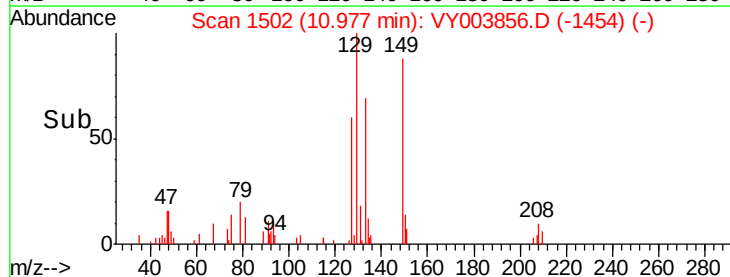
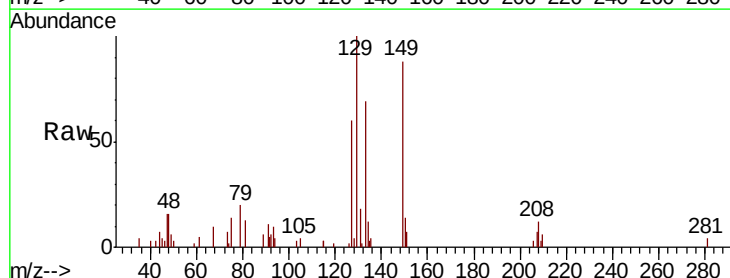
Instrument :
MSVOA_Y
ClientSampled :
MDL-SOIL-02

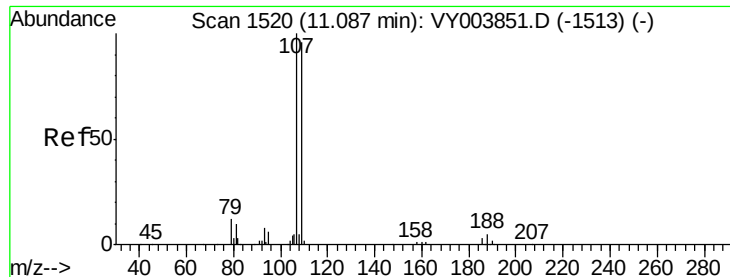
Tot Ion: 43 Resp: 7310
Ion Ratio Lower Upper
43 100
58 59.8 40.6 60.8
57 20.7 14.5 21.7
100 14.8 9.1 13.7#



#49
Dibromochloromethane
Concen: 1.106 ug/L
RT: 10.98 min Scan# 1502
Delta R.T. -0.01 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Tgt Ion: 129 Resp: 5841
Ion Ratio Lower Upper
129 100
127 59.9 52.7 97.9

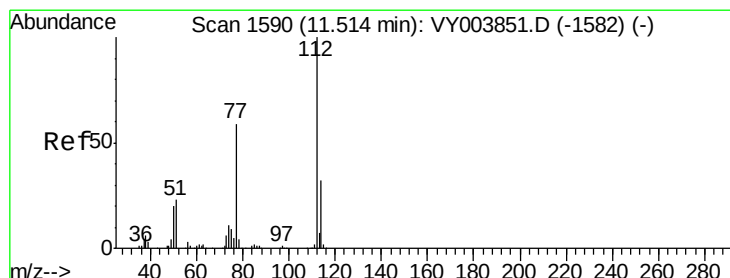
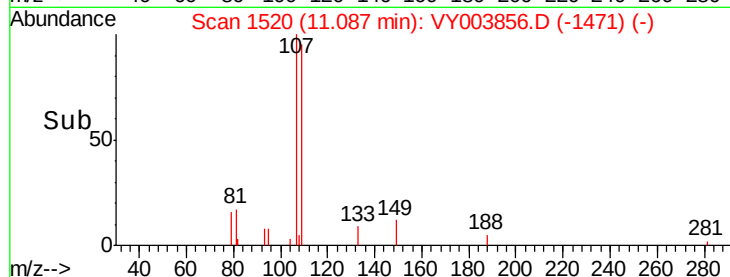
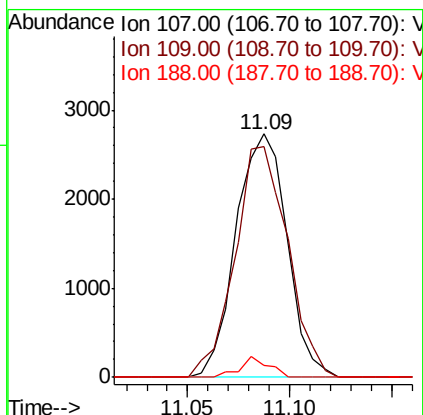
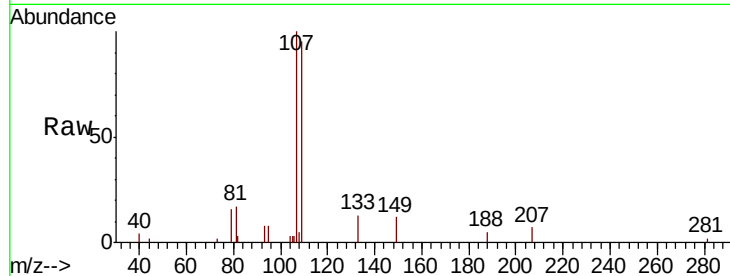




#50
1,2-Dibromoethane
Concen: 1.152 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. -0.00 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

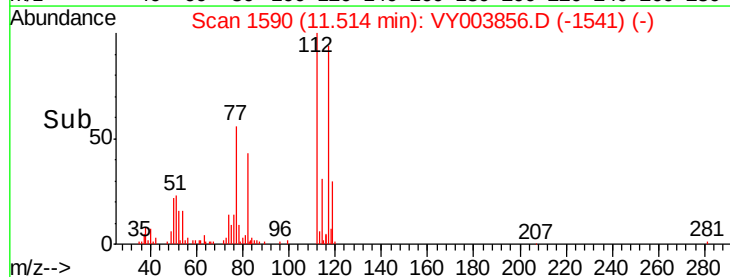
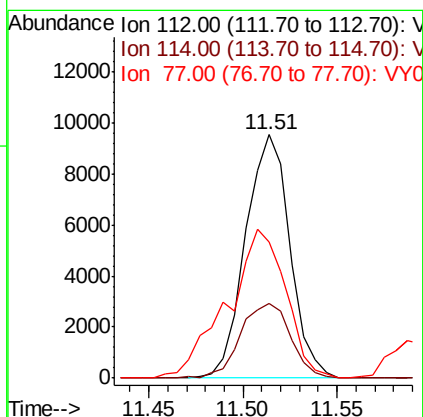
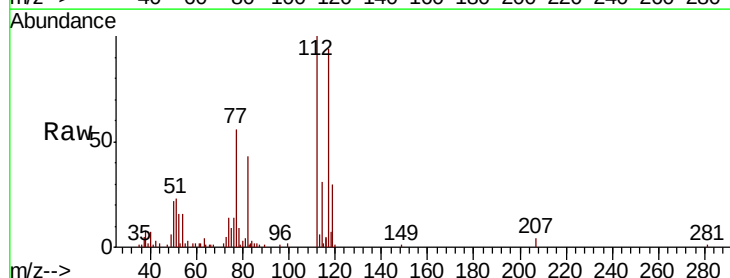
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-02

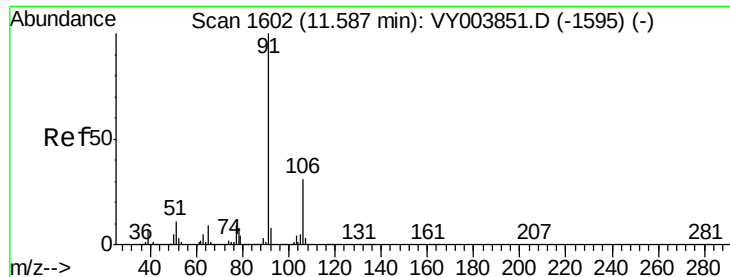
Tot Ion:107 Resp: 4746
Ion Ratio Lower Upper
107 100
109 94.7 65.5 121.7
188 4.9 3.6 5.4



#51
Chlorobenzene
Concen: 1.139 ug/L
RT: 11.51 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Tgt Ion:112 Resp: 15547
Ion Ratio Lower Upper
112 100
114 30.7 22.5 41.9
77 55.8 45.2 67.8





#52

Ethylbenzene

Concen: 1.113 ug/L

RT: 11.59 min Scan# 1602

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

ClientSampleId :

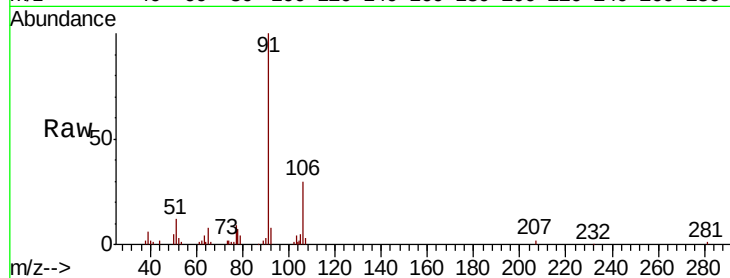
MDL-SOIL-02

Tot Ion: 91 Resp: 26322

Ion Ratio Lower Upper

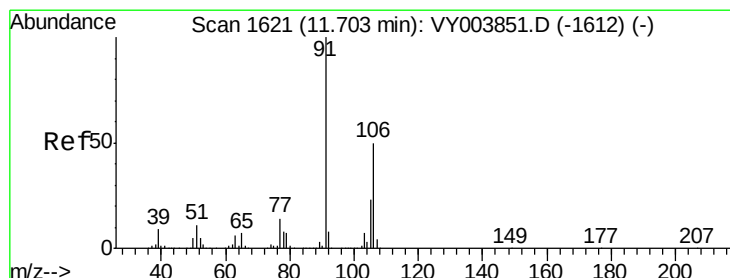
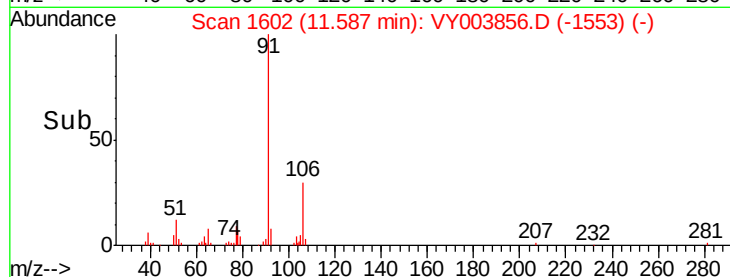
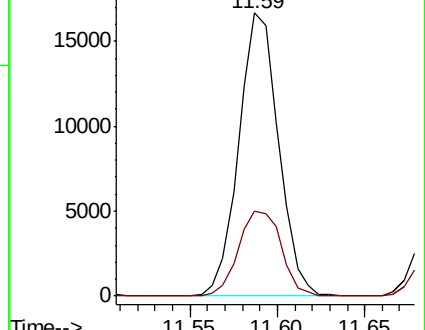
91 100

106 30.1 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VY003856.D (-1595) (-)

Ion 106.00 (105.70 to 106.70): VY003856.D (-1595) (-)



#53

m,p-Xylene

Concen: 1.099 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003856.D

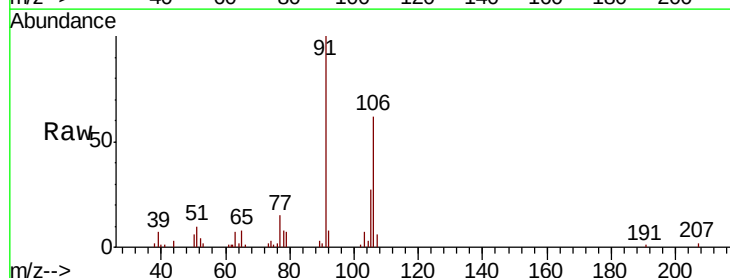
Acq: 29 Dec 2020 17:06

Tgt Ion: 106 Resp: 9856

Ion Ratio Lower Upper

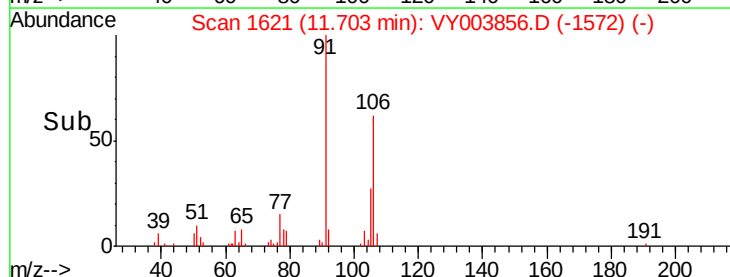
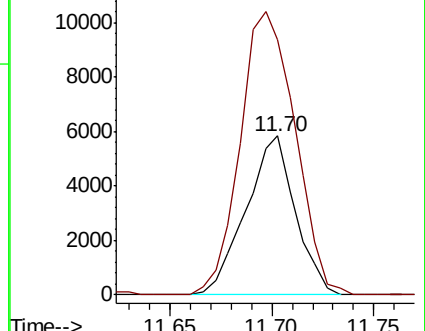
106 100

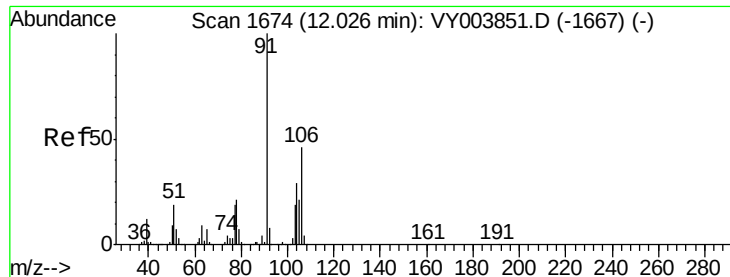
91 160.3 146.3 271.7



Abundance Ion 106.00 (105.70 to 106.70): VY003856.D (-1612) (-)

Ion 91.00 (90.70 to 91.70): VY003856.D (-1612) (-)





#54

o-Xylene

Concen: 1.068 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

ClientSampleId :

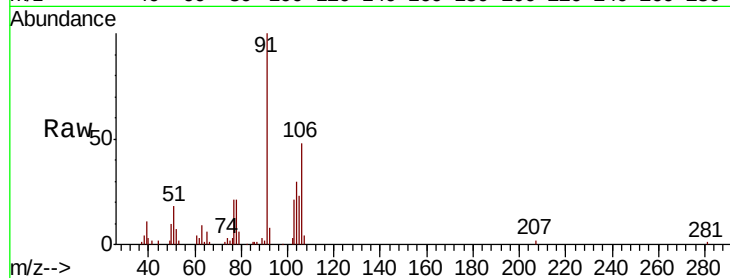
MDL-SOIL-02

Tot Ion:106 Resp: 9329

Ion Ratio Lower Upper

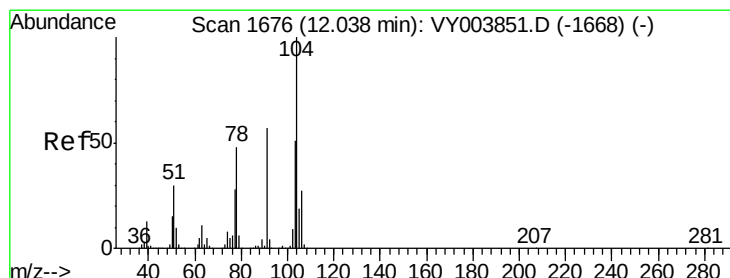
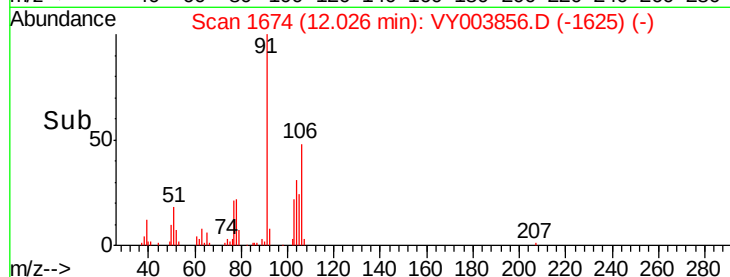
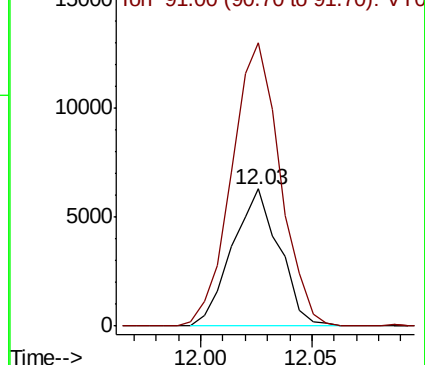
106 100

91 206.6 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

Styrene

Concen: 1.018 ug/L

RT: 12.04 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VY003856.D

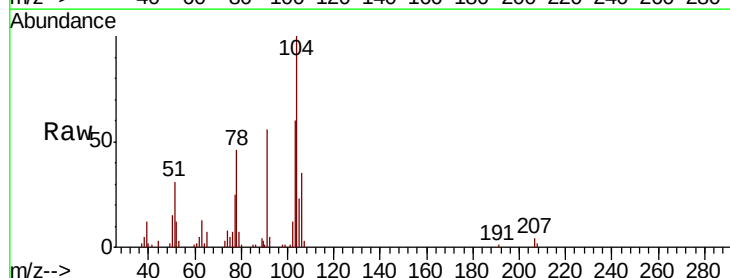
Acq: 29 Dec 2020 17:06

Tgt Ion:104 Resp: 15369

Ion Ratio Lower Upper

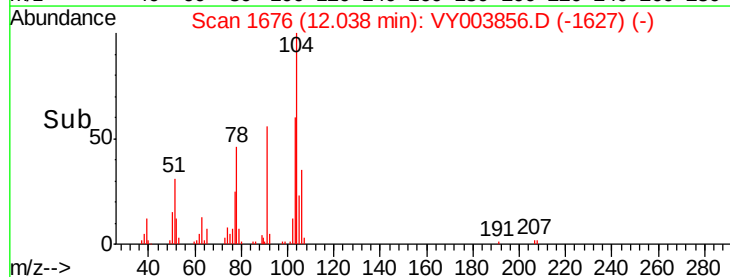
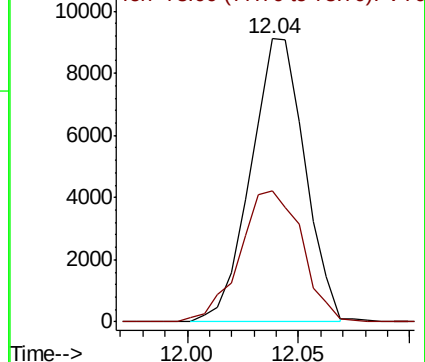
104 100

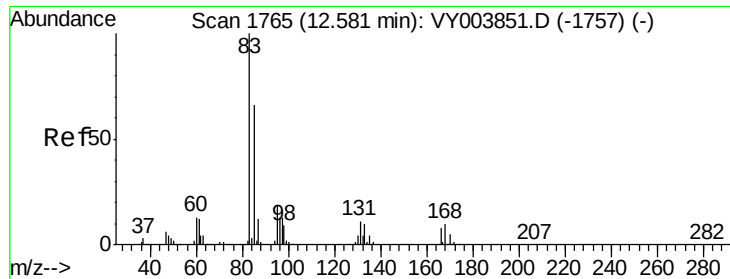
78 46.2 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

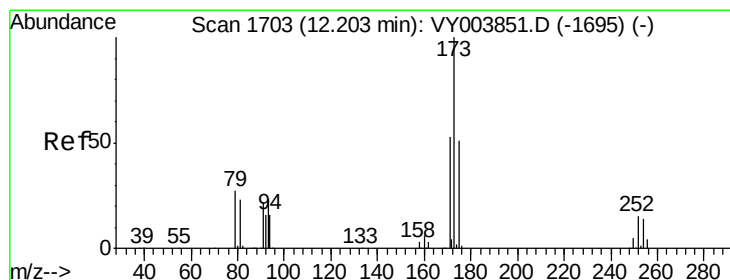
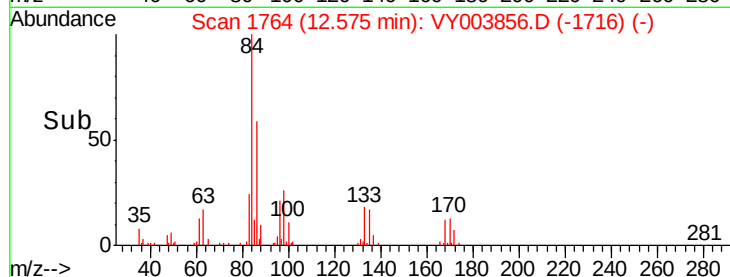
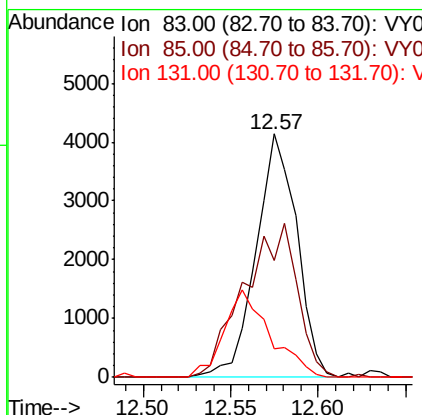
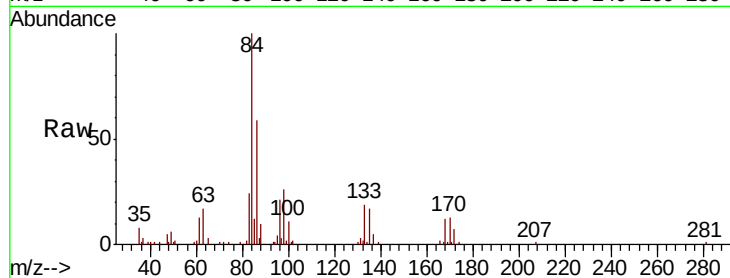




#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.361 ug/L
 RT: 12.57 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

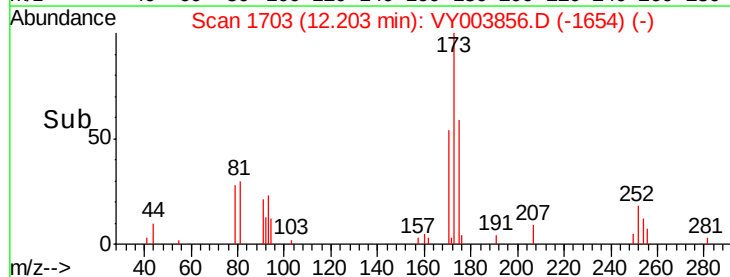
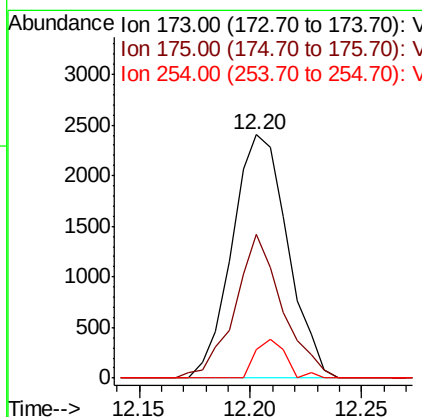
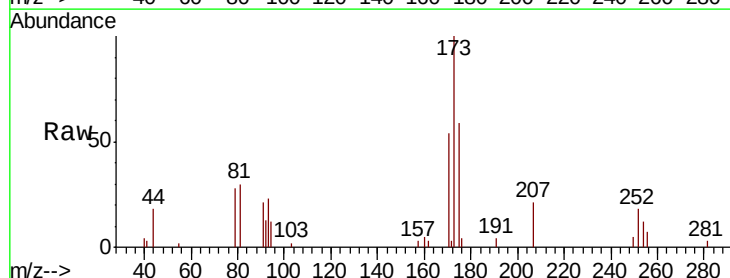
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-02

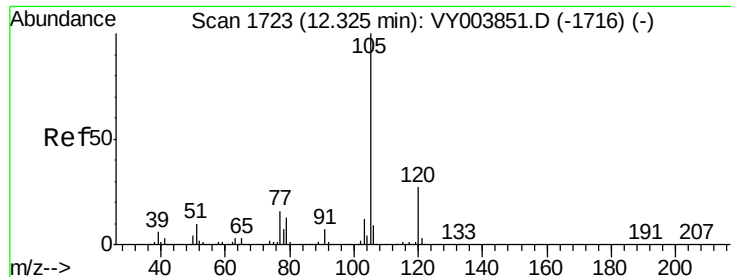
Tot Ion: 83 Resp: 6720
 Ion Ratio Lower Upper
 83 100
 85 48.3 44.9 83.3
 131 11.8 9.0 13.6



#59
 Bromoform
 Concen: 1.133 ug/L
 RT: 12.20 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Tgt Ion: 173 Resp: 4162
 Ion Ratio Lower Upper
 173 100
 175 51.0 38.9 58.3
 254 8.3 11.5 17.3#





#60

Isopropylbenzene

Concen: 1.119 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-02

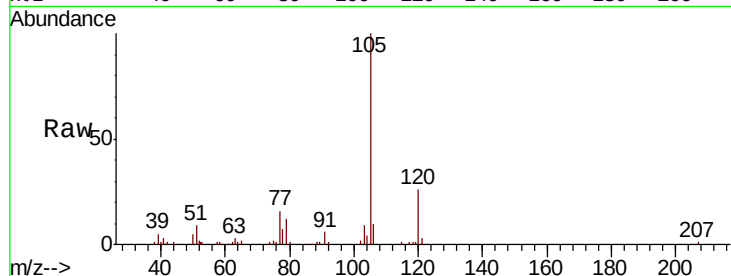
Tot Ion:105 Resp: 25186

Ion Ratio Lower Upper

105 100

120 26.8 21.7 32.5

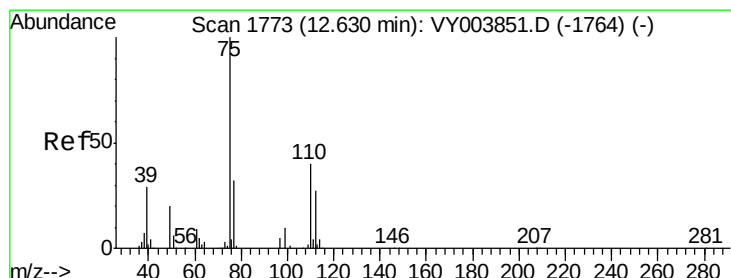
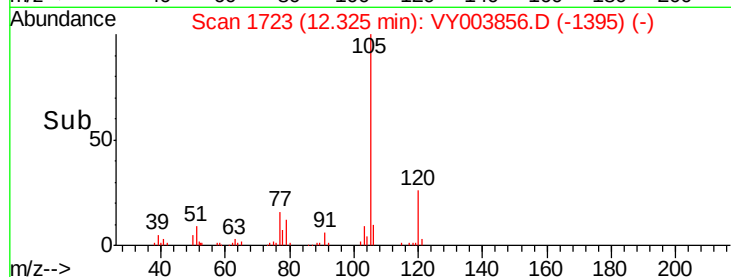
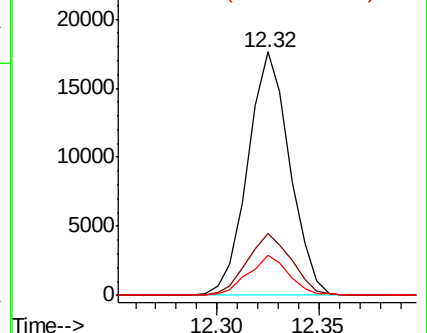
77 15.8 12.9 19.3



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: 1.160 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

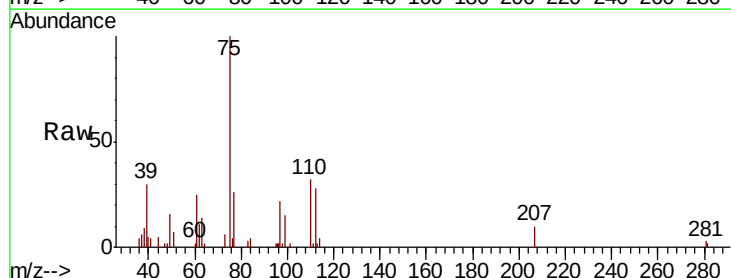
Tgt Ion: 75 Resp: 4852

Ion Ratio Lower Upper

75 100

77 33.3 26.2 39.4

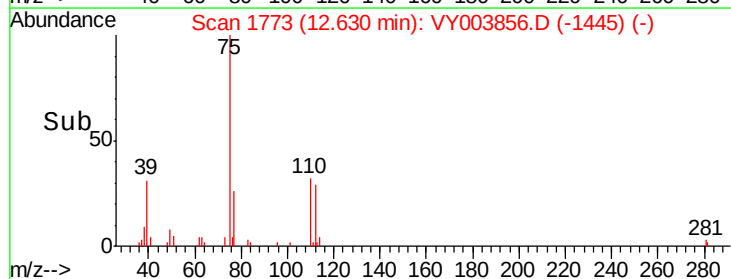
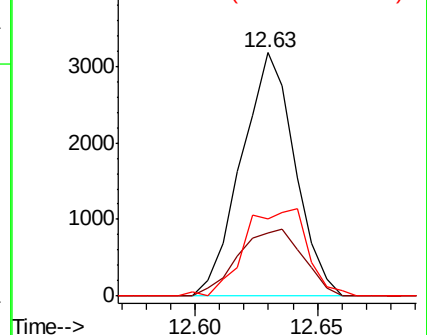
110 21.7 32.4 48.6#

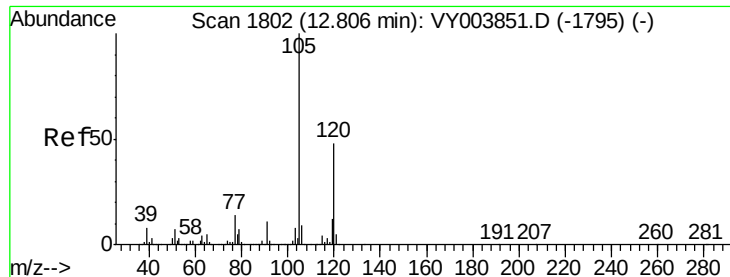


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 1.094 ug/L

RT: 12.81 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

ClientSampleId :

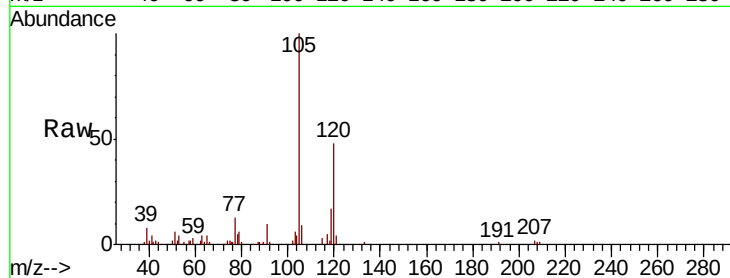
MDL-SOIL-02

Tot Ion:105 Resp: 20445

Ion Ratio Lower Upper

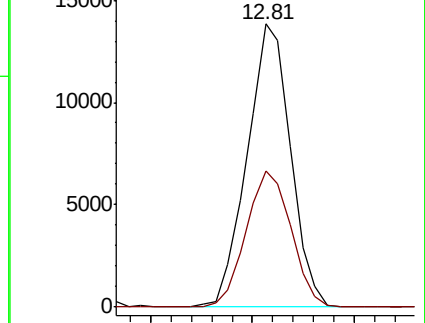
105 100

120 49.7 39.0 58.4

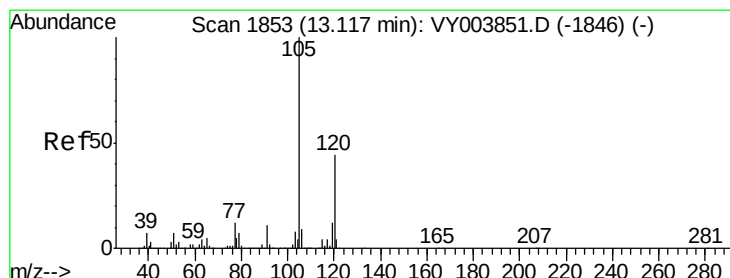
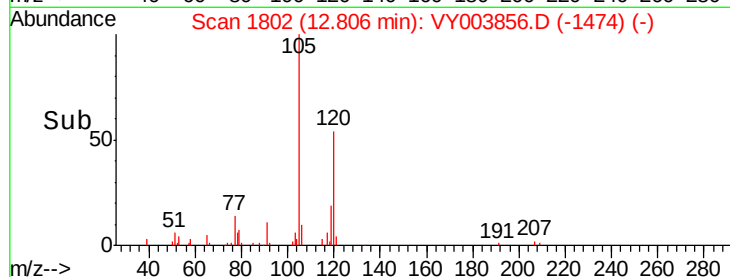


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#63

1,2,4-Trimethylbenzene

Concen: 1.050 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003856.D

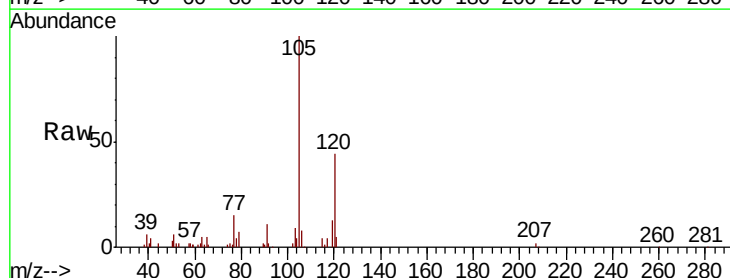
Acq: 29 Dec 2020 17:06

Tgt Ion:105 Resp: 19897

Ion Ratio Lower Upper

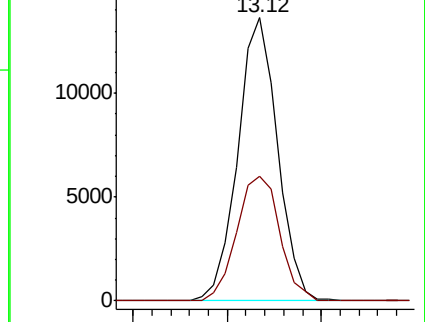
105 100

120 47.7 36.5 54.7

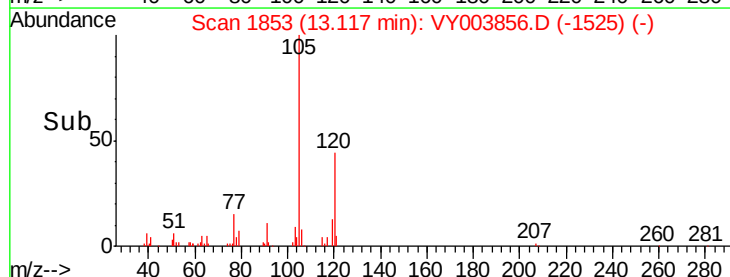


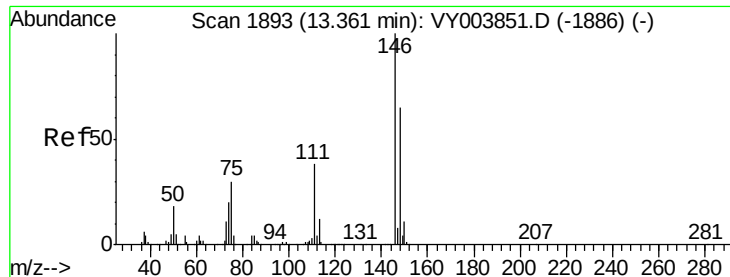
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#64

1,3-Dichlorobenzene

Concen: 1.181 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

ClientSampled :

MDL-SOIL-02

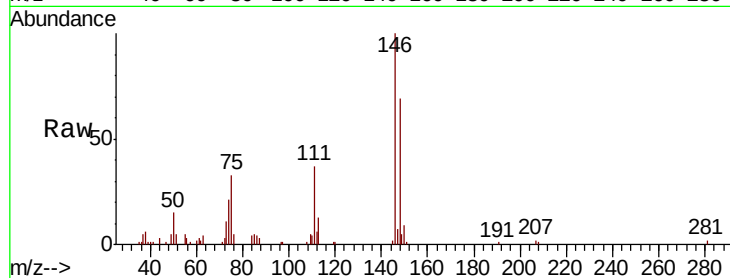
Tot Ion:146 Resp: 12882

Ion Ratio Lower Upper

146 100

111 36.6 27.7 51.5

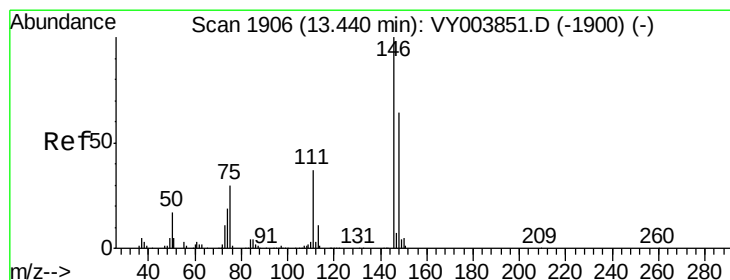
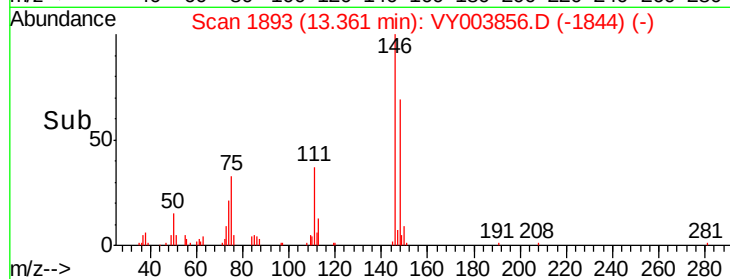
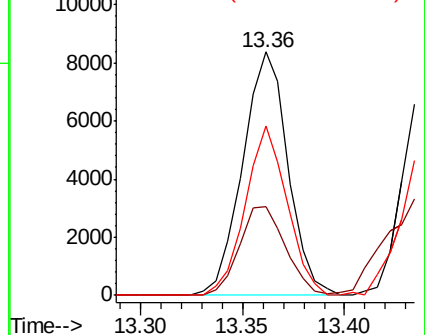
148 69.3 45.4 84.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 1.223 ug/L

RT: 13.44 min Scan# 1906

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

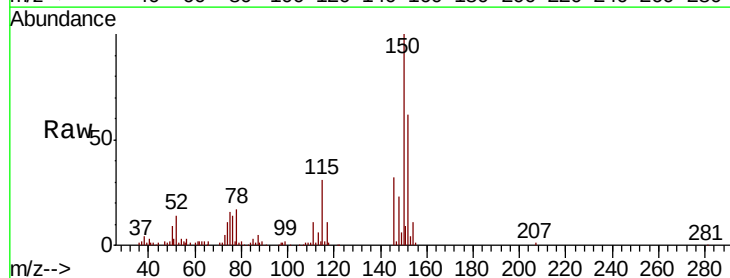
Tgt Ion:146 Resp: 13502

Ion Ratio Lower Upper

146 100

111 35.2 25.7 47.7

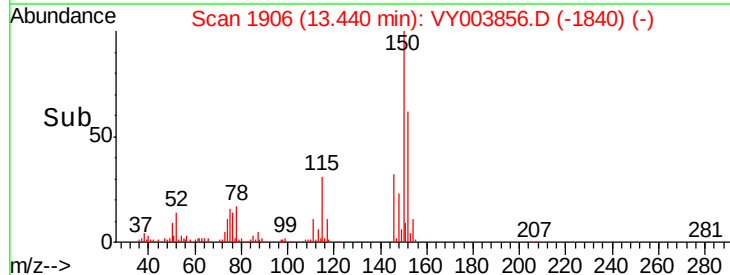
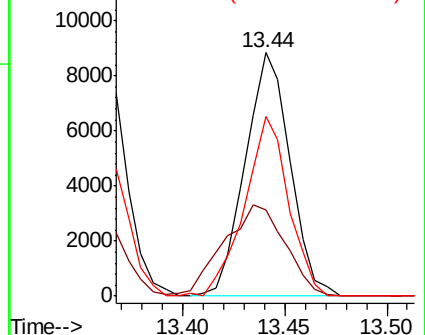
148 73.5 44.4 82.4

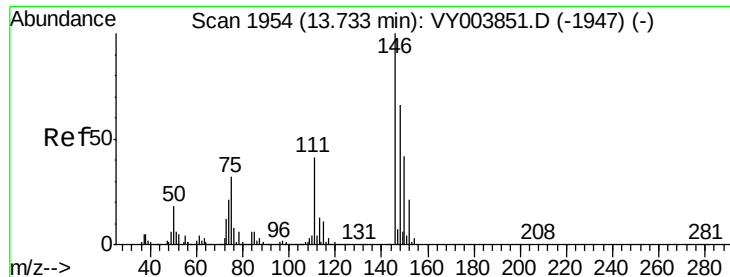


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 1.247 ug/L

RT: 13.73 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

ClientSampled :

MDL-SOIL-02

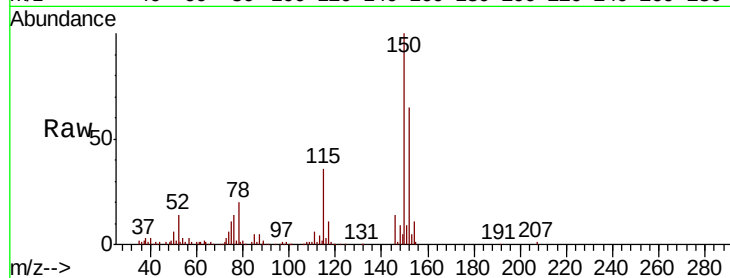
Tot Ion:146 Resp: 12735

Ion Ratio Lower Upper

146 100

111 44.5 31.3 46.9

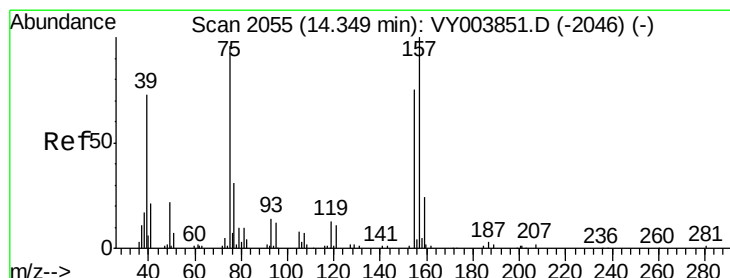
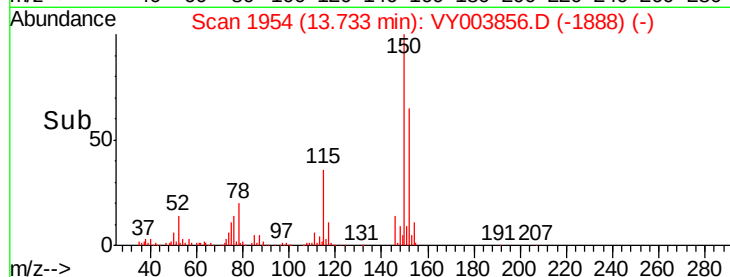
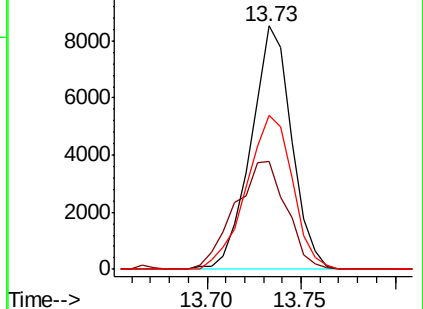
148 63.0 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 1.398 ug/L

RT: 14.35 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

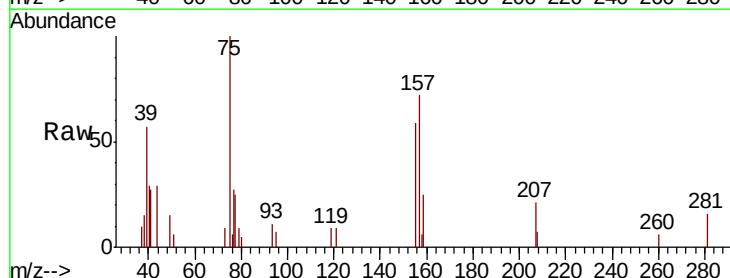
Tgt Ion: 75 Resp: 1453

Ion Ratio Lower Upper

75 100

155 58.7 68.2 102.4#

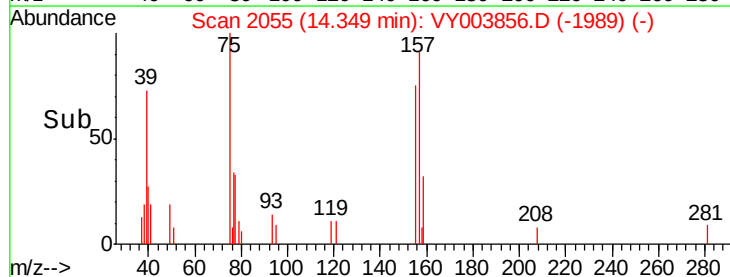
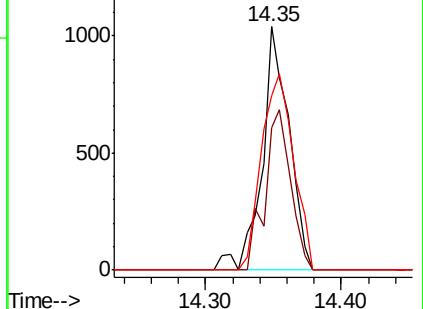
157 71.6 90.2 135.4#

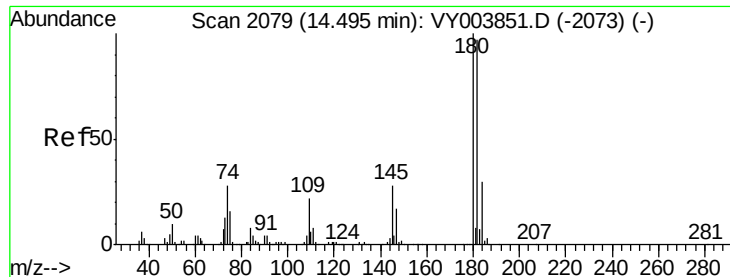


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

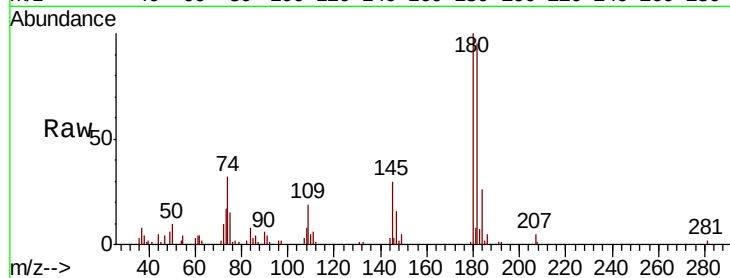




#69
 1,3,5-Trichlorobenzene
 Concen: 1.242 ug/L
 RT: 14.50 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-02

Tot Ion	180.00	Resp	10555
Ion Ratio	Lower	Upper	
180	100		
182	98.8	75.6	113.4
184	28.4	24.9	37.3
145	27.5	21.8	32.6



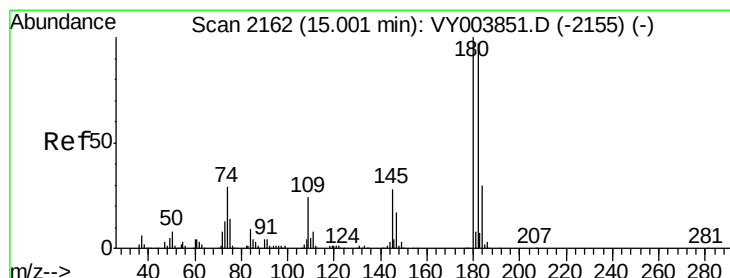
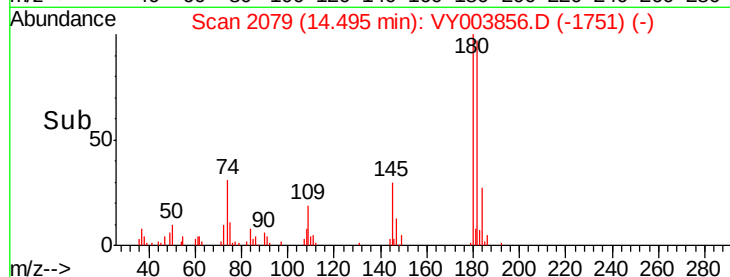
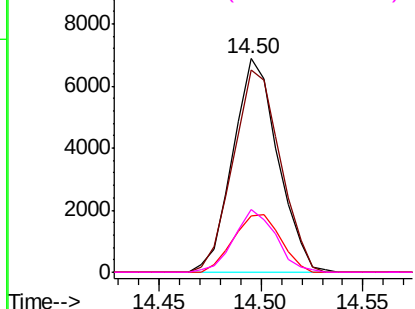
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

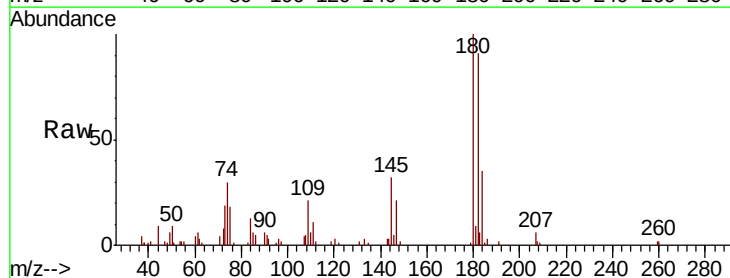
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 1.200 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Tgt Ion	180.00	Resp	8650
Ion Ratio	Lower	Upper	
180	100		
182	94.2	76.1	114.1
145	28.6	22.6	33.8

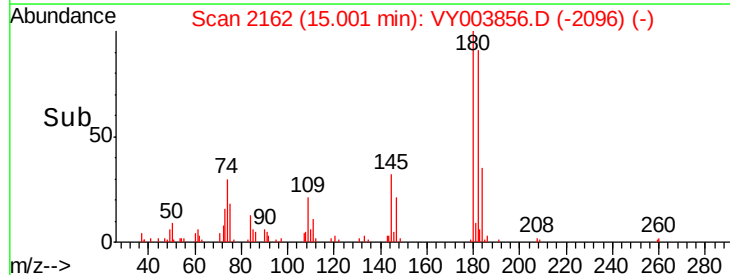
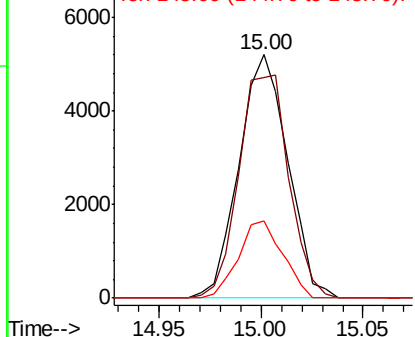


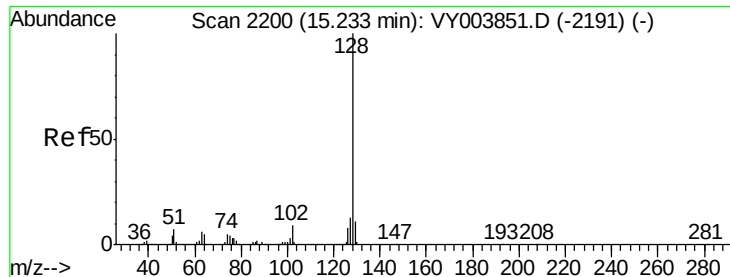
Abundance

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: 1.087 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-02

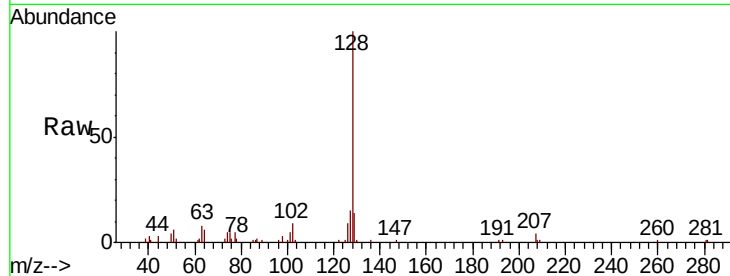
Tot Ion:128 Resp: 16354

Ion Ratio Lower Upper

128 100

127 14.6 10.7 16.1

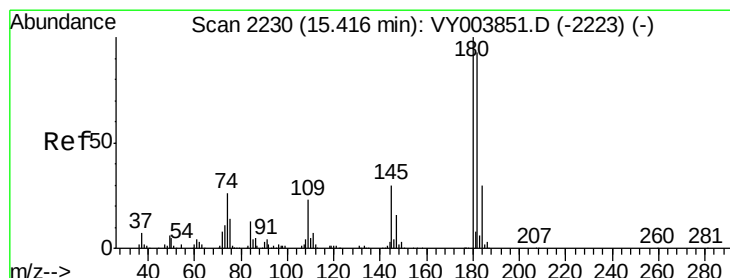
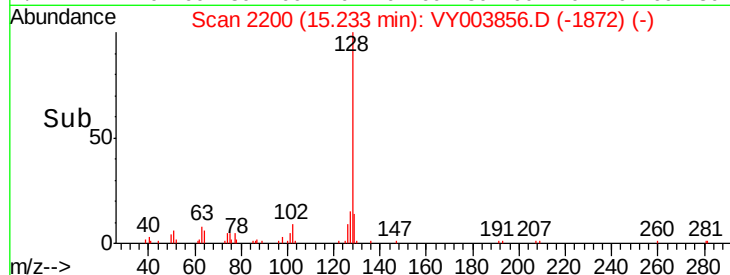
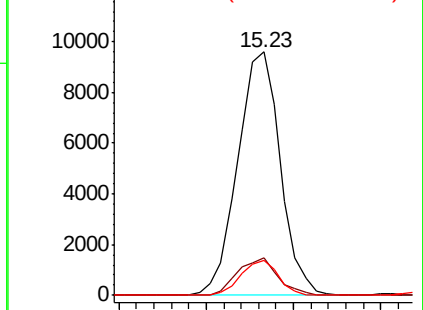
129 12.6 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 1.295 ug/L

RT: 15.42 min Scan# 2230

Delta R.T. 0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

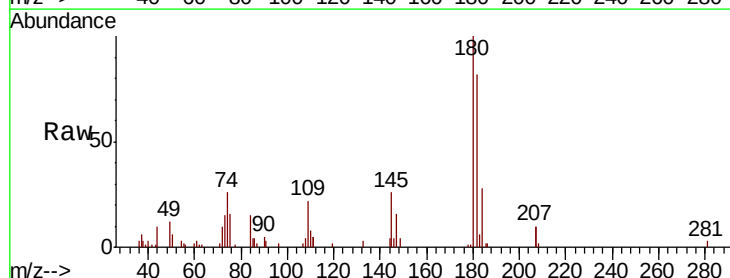
Tgt Ion:180 Resp: 8242

Ion Ratio Lower Upper

180 100

182 92.0 74.6 111.8

145 28.5 23.3 34.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

