

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

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

Manual Integrations
 APPROVED

MMDadoda
 12/30/2020 6:36:26 PM

Quant Time: Dec 30 07:33:41 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M

Quant Title : VOC Analysis

QLast Update : Wed Dec 30 07:19:52 2020

Response via : Initial Calibration

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

System Monitoring Compounds

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

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	8008	1.464 ug/L	97
3) Chloromethane	2.12	50	7649	1.249 ug/L	98
5) Vinyl chloride	2.25	62	8312m	1.279 ug/L	
6) Bromomethane	2.66	94	4891	1.231 ug/L	95
8) Chloroethane	2.80	64	4717	1.203 ug/L	83
9) Trichlorofluoromethane	3.13	101	10450	1.204 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	7113m	1.560 ug/L	
12) 1,1-Dichloroethene	3.88	96	6681m	1.561 ug/L	
13) Acetone	3.95	43	4955	3.162 ug/L	59
14) Carbon disulfide	4.20	76	15716	1.091 ug/L	97
15) Methyl Acetate	4.48	43	4437	1.231 ug/L #	77
16) Methylene chloride	4.72	84	12684m	2.422 ug/L	
17) trans-1,2-Dichloroethene	5.23	96	5402m	1.154 ug/L	
18) Methyl tert-butyl Ether	5.22	73	15645m	1.131 ug/L	
19) 1,1-Dichloroethane	6.03	63	10266	1.213 ug/L	94
20) cis-1,2-Dichloroethene	6.98	96	5579	1.102 ug/L	96
22) 2-Butanone	6.99	43	6965	2.868 ug/L	78

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 Quant Title : VOC Analysis
 QLast Update : Wed Dec 30 07:19:52 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	2750	1.098	ug/L	85
25) Chloroform	7.51	83	13235	1.492	ug/L	99
27) 1,2-Dichloroethane	8.24	62	8362	1.213	ug/L #	93
29) Cyclohexane	7.78	56	9114	1.127	ug/L #	93
30) 1,1,1-Trichloroethane	7.71	97	9839	1.185	ug/L #	88
31) Carbon tetrachloride	7.90	117	8828	1.149	ug/L	94
33) Benzene	8.16	78	22458	1.191	ug/L	100
34) Trichloroethene	8.94	95	6241	1.197	ug/L	94
35) Methylcyclohexane	9.18	83	10251	1.208	ug/L	98
37) 1,2-Dichloropropane	9.22	63	5237	1.091	ug/L #	91
38) Bromodichloromethane	9.49	83	8163	1.207	ug/L #	90
39) cis-1,3-Dichloropropene	9.93	75	8755	1.067	ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	12090	2.358	ug/L	98
42) Toluene	10.24	91	24586	1.178	ug/L	96
44) trans-1,3-Dichloropropene	10.47	75	9246	1.168	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	4795	1.163	ug/L	94
46) Tetrachloroethene	10.72	164	5605	1.243	ug/L	97
48) 2-Hexanone	10.83	43	8690	2.327	ug/L	99
49) Dibromochloromethane	10.98	129	5907	1.131	ug/L	86
50) 1,2-Dibromoethane	11.09	107	4618	1.134	ug/L	93
51) Chlorobenzene	11.51	112	16229	1.203	ug/L	94
52) Ethylbenzene	11.59	91	26791	1.146	ug/L	100
53) m,p-Xylene	11.70	106	10270	1.159	ug/L	94
54) o-Xylene	12.03	106	9277	1.075	ug/L	98
55) Styrene	12.04	104	15316	1.026	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.57	83	6173	1.265	ug/L #	95
59) Bromoform	12.20	173	4172	1.142	ug/L #	40
60) Isopropylbenzene	12.32	105	24884	1.112	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	4877	1.173	ug/L	100
62) 1,3,5-Trimethylbenzene	12.81	105	21254	1.143	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	21525	1.143	ug/L	96
64) 1,3-Dichlorobenzene	13.36	146	12865	1.187	ug/L	95
65) 1,4-Dichlorobenzene	13.44	146	13159	1.199	ug/L	95
67) 1,2-Dichlorobenzene	13.73	146	12598	1.241	ug/L	91
68) 1,2-Dibromo-3-chloropropan	14.35	75	1505	1.456	ug/L #	78
69) 1,3,5-Trichlorobenzene	14.50	180	11359	1.344	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	9271	1.294	ug/L	100
71) Naphthalene	15.23	128	17219	1.151	ug/L	96
72) 1,2,3-Trichlorobenzene	15.42	180	8372	1.322	ug/L	98

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

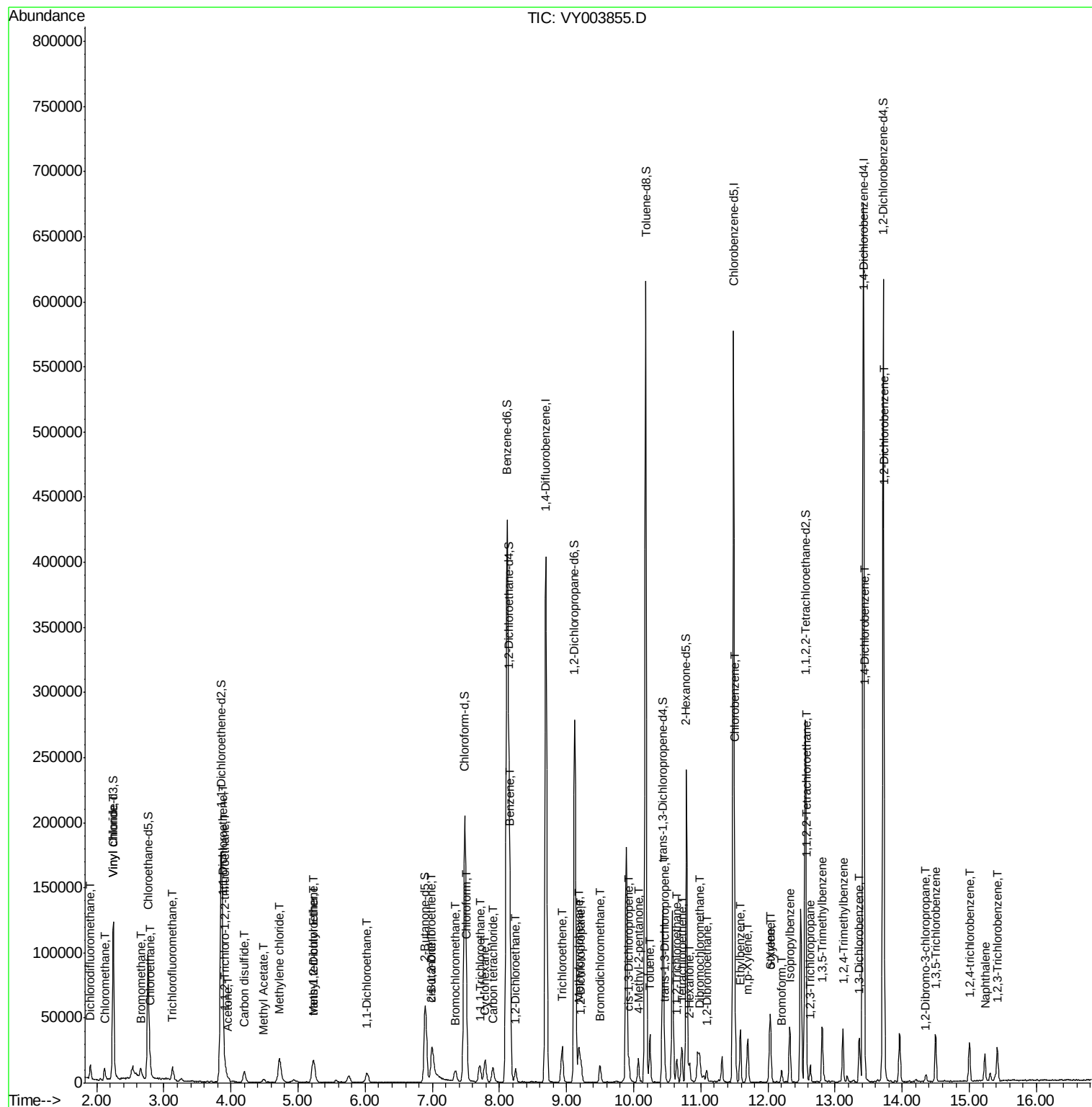
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY122920\
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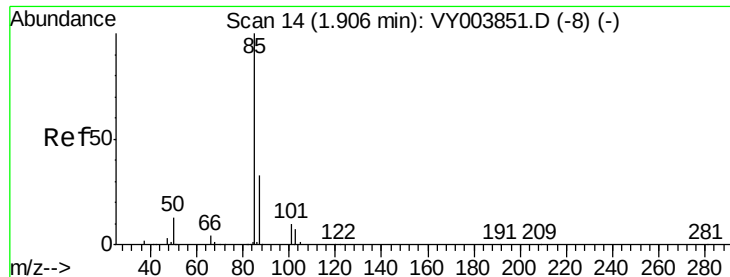
Instrument :
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#2

Dichlorodifluoromethane

Concen: 1.464 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Tot Ion: 85 Resp: 8008

Ion Ratio Lower Upper

85 100

87 33.6 25.4 38.2

Instrument :

MSVOA_Y

ClientSampleId :

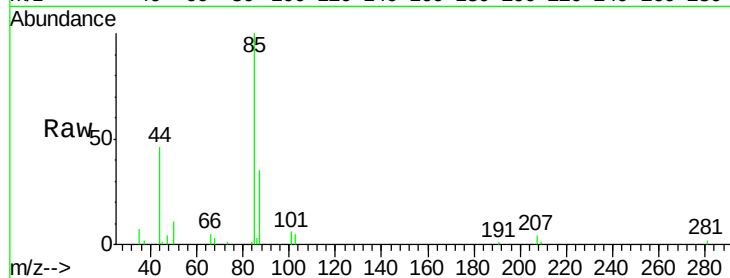
MDL-SOIL-01

Manual Integrations

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Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

6000

4000

2000

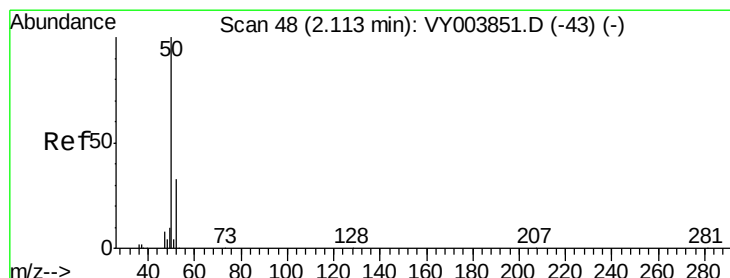
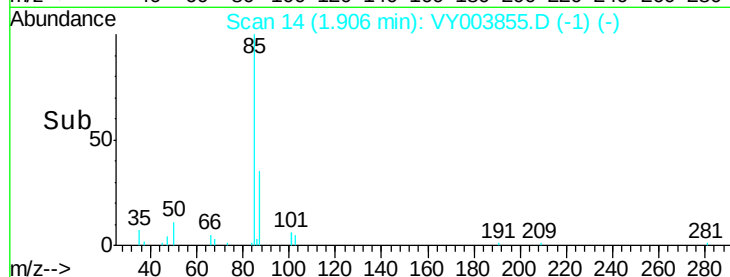
0

1.85

1.90

1.95

Time-->



#3

Chloromethane

Concen: 1.249 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.01 min

Lab File: VY003855.D

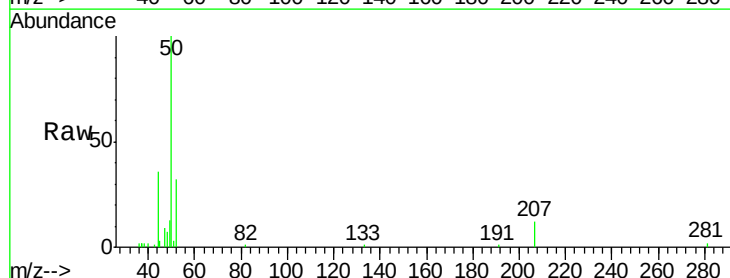
Acq: 29 Dec 2020 16:44

Tgt Ion: 50 Resp: 7649

Ion Ratio Lower Upper

50 100

52 32.5 22.0 41.0



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

6000

5000

4000

3000

2000

1000

0

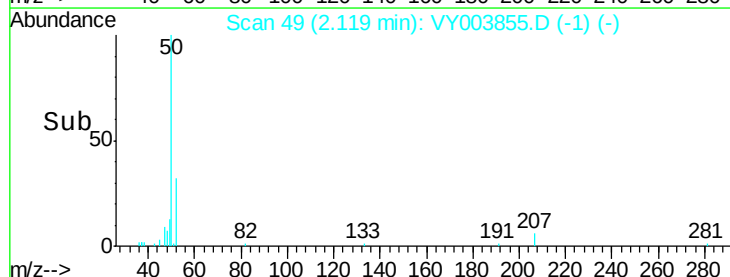
2.05

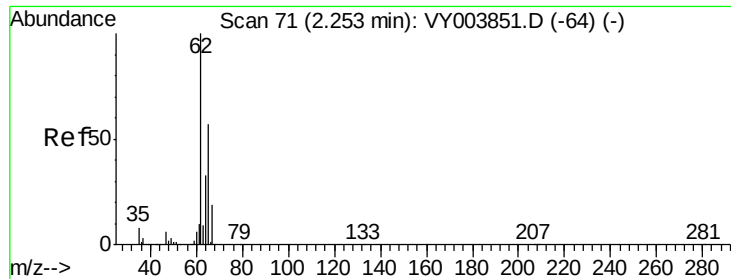
2.10

2.15

2.20

Time-->





#5

Vinyl chloride

Concen: 1.279 ug/L m

RT: 2.25 min Scan# 71

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion: 62 Resp: 8312

Ion Ratio Lower Upper

62 100

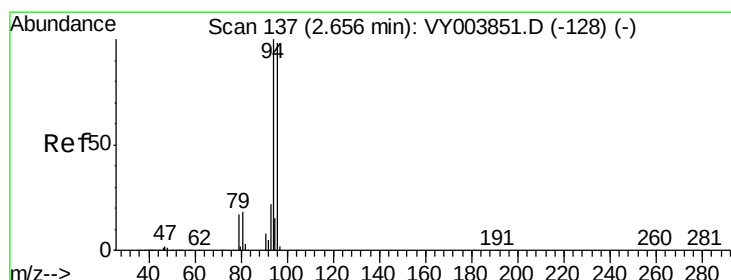
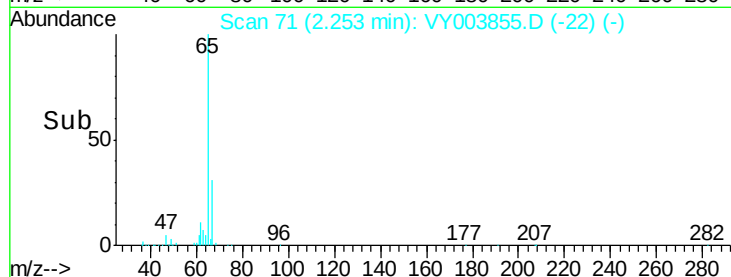
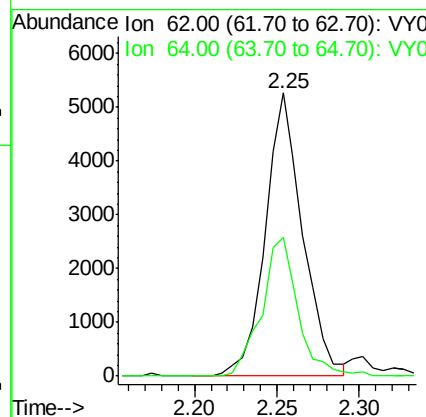
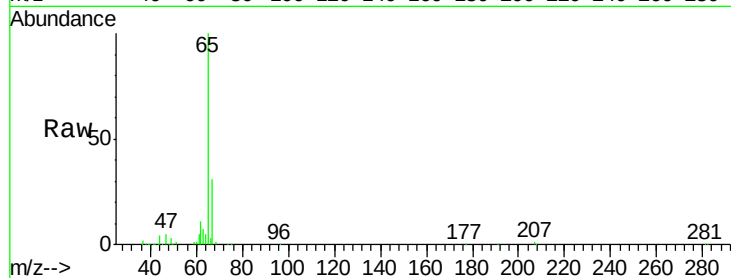
64 49.0 23.2 43.2#

Manual Integrations

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#6

Bromomethane

Concen: 1.231 ug/L

RT: 2.66 min Scan# 137

Delta R.T. 0.00 min

Lab File: VY003855.D

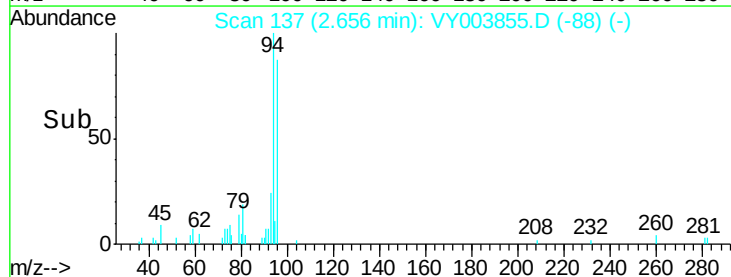
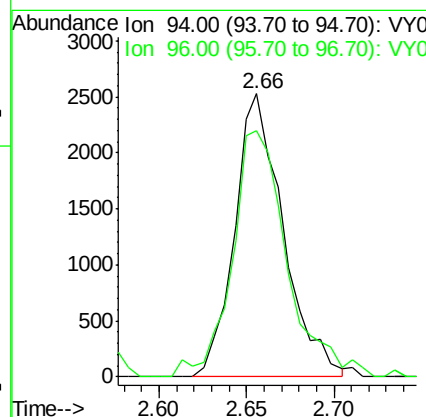
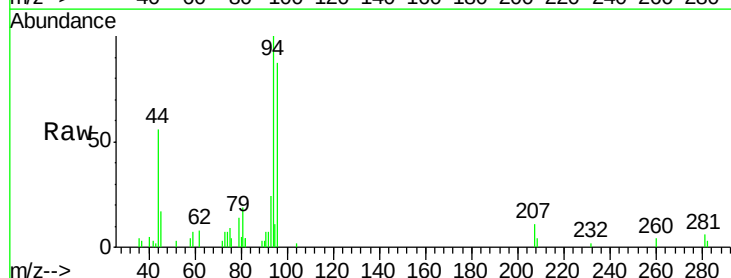
Acq: 29 Dec 2020 16:44

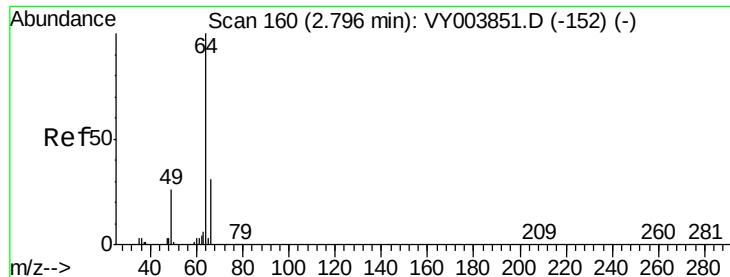
Tgt Ion: 94 Resp: 4891

Ion Ratio Lower Upper

94 100

96 87.1 64.3 119.3





#8

Chloroethane

Concen: 1.203 ug/L

RT: 2.80 min Scan# 160

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion: 64 Resp: 4717

Ion Ratio Lower Upper

64 100

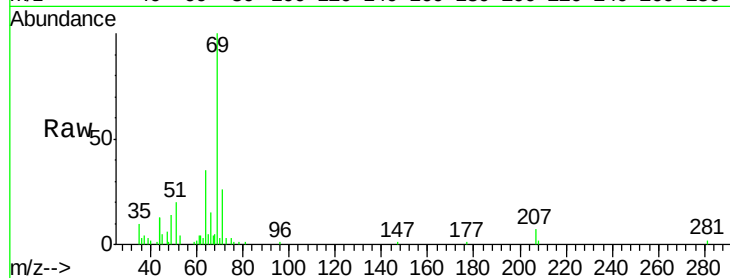
66 41.6 22.5 41.7

Manual Integrations

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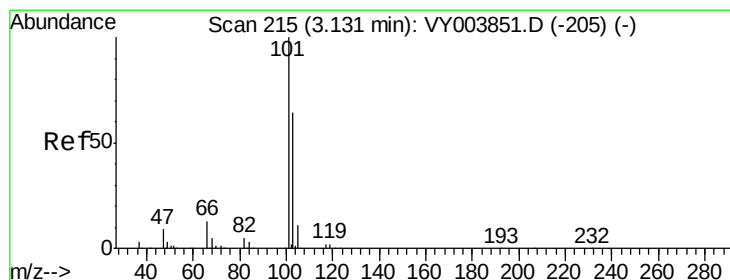
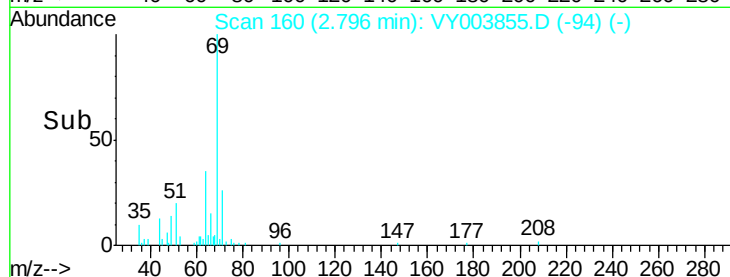
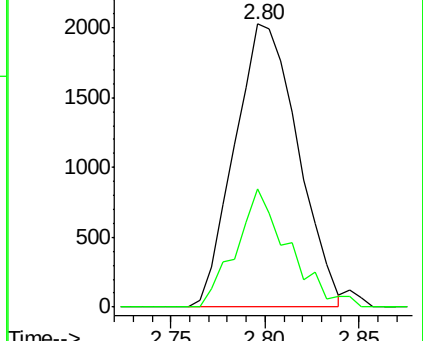
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Abundance Ion 64.00 (63.70 to 64.70): VY003855.D (-152) (-)

Ion 66.00 (65.70 to 66.70): VY003855.D (-152) (-)



#9

Trichlorofluoromethane

Concen: 1.204 ug/L

RT: 3.13 min Scan# 215

Delta R.T. 0.00 min

Lab File: VY003855.D

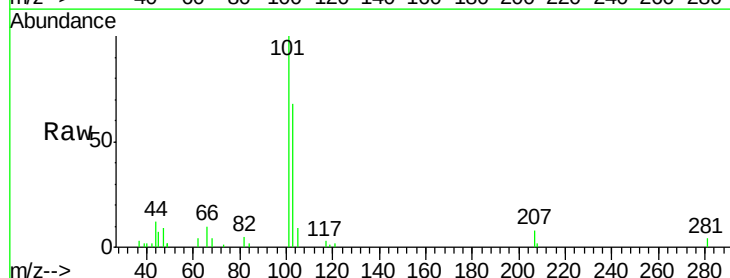
Acq: 29 Dec 2020 16:44

Tgt Ion: 101 Resp: 10450

Ion Ratio Lower Upper

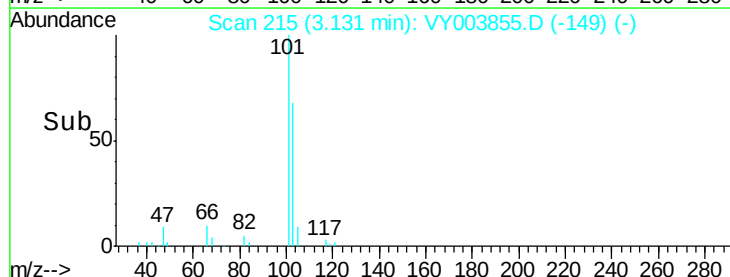
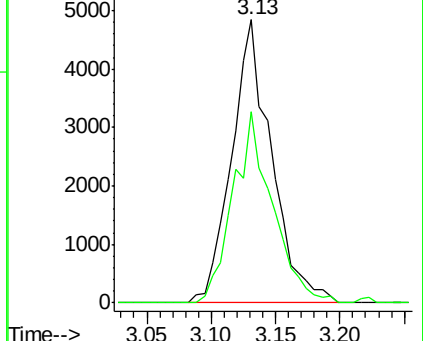
101 100

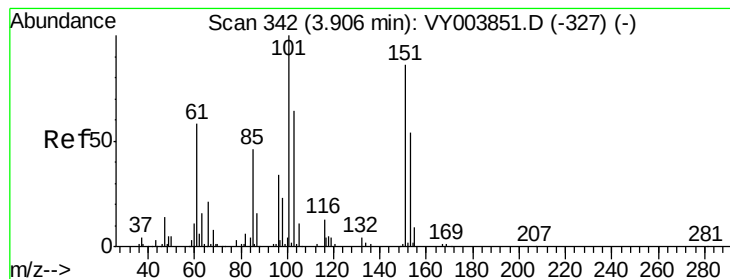
103 66.1 51.4 77.0



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

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





#10

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

Concen: 1.560 ug/L m

RT: 3.91 min Scan# 343

Delta R.T. 0.01 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

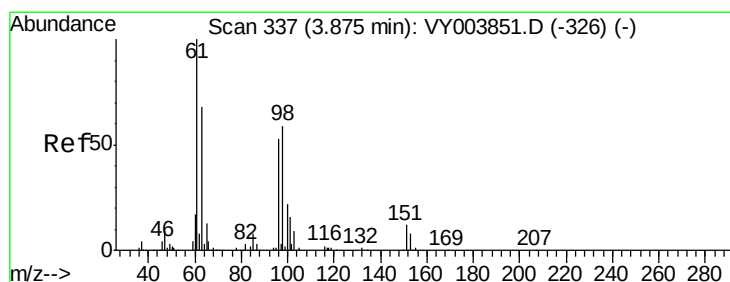
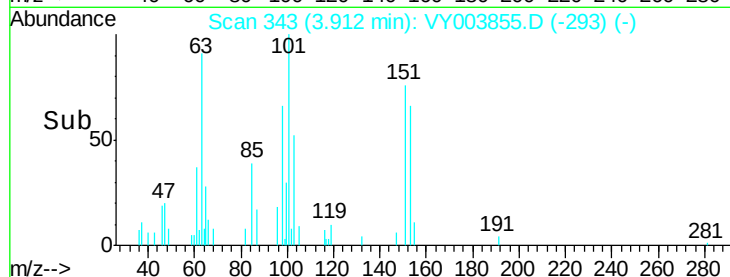
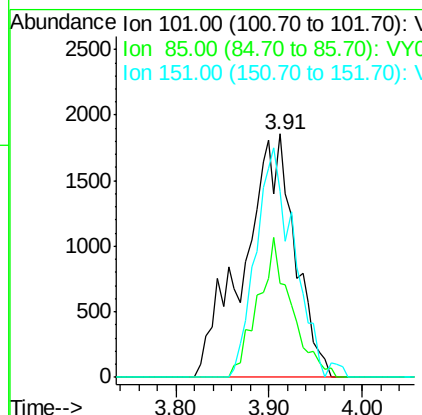
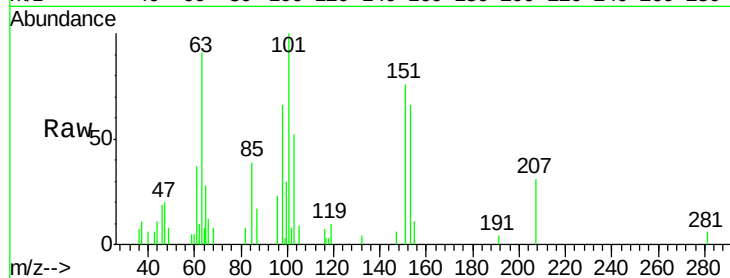
ClientSampleId :

MDL-SOIL-01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	7113		
85	35.2		37.1	55.7#
151	69.5		66.4	99.6

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.561 ug/L m

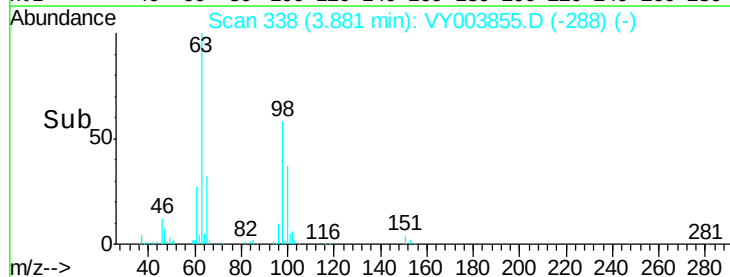
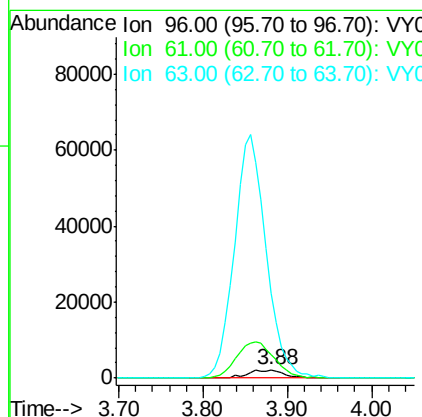
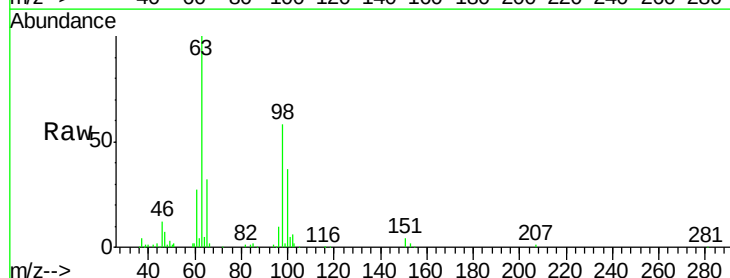
RT: 3.88 min Scan# 338

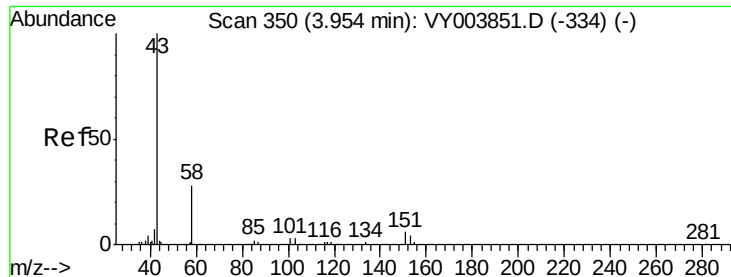
Delta R.T. 0.01 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	6681		
61	266.2		123.8	230.0#
63	986.1		85.3	158.3#





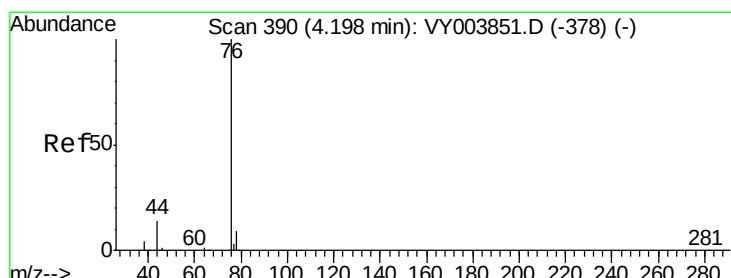
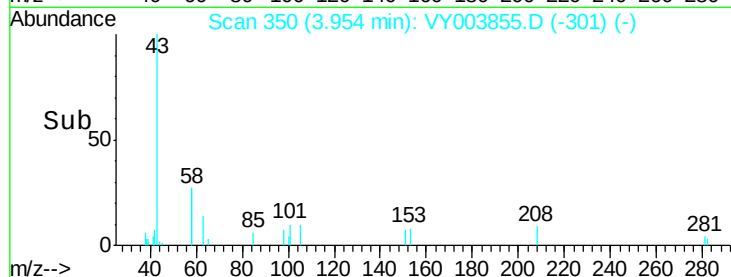
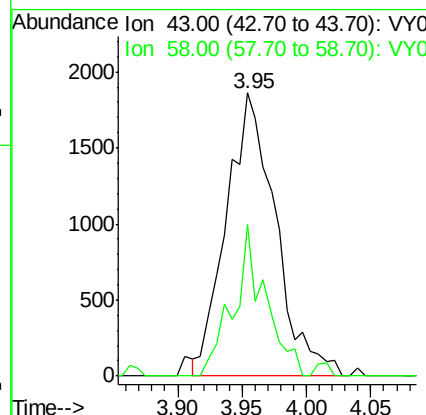
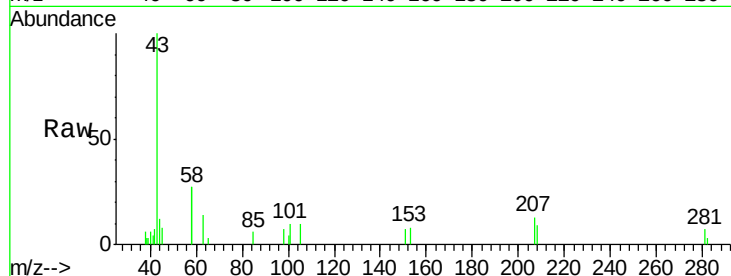
#13
Acetone
Concen: 3.162 ug/L
RT: 3.95 min Scan# 350
Delta R.T. 0.00 min
Lab File: VY003855.D
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Instrument :
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Tot Ion: 43 Resp: 4955
Ion Ratio Lower Upper
43 100
58 7.1 0.0 58.4

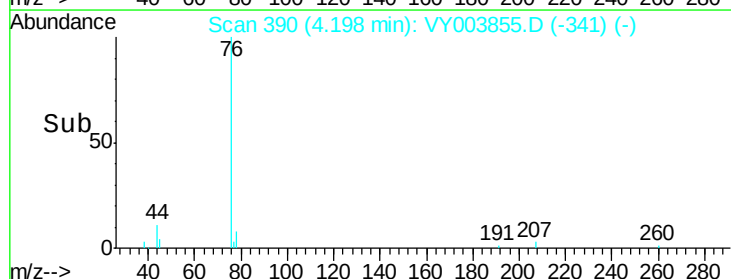
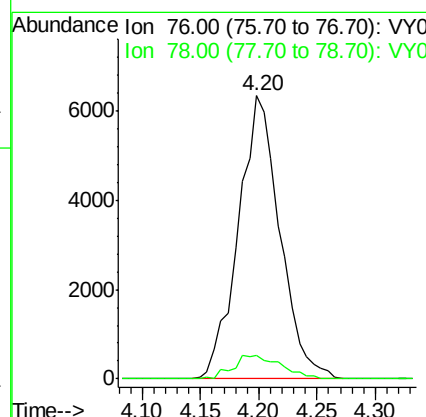
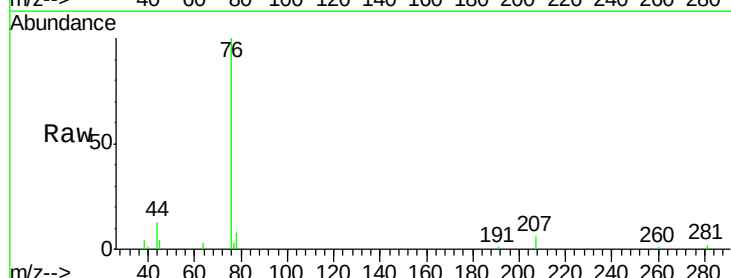
Manual Integrations
APPROVED

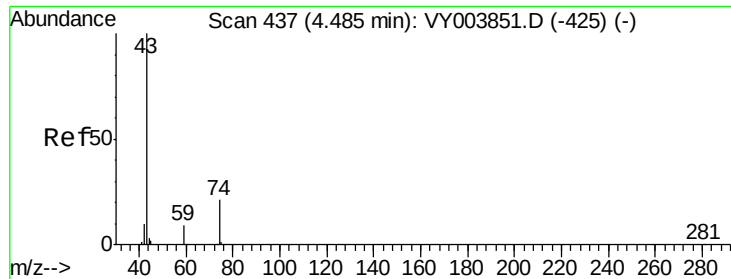
MMDadoda
12/30/2020 6:36:26 PM



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

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





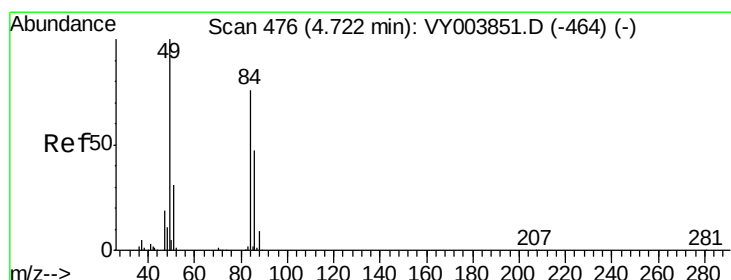
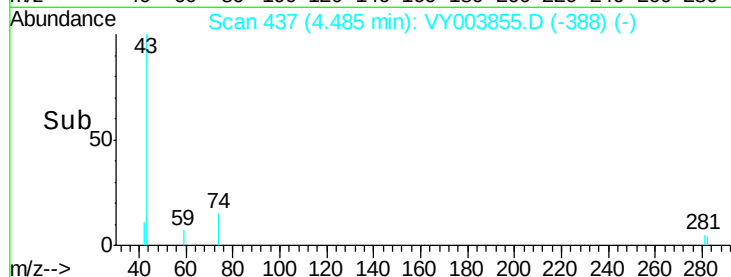
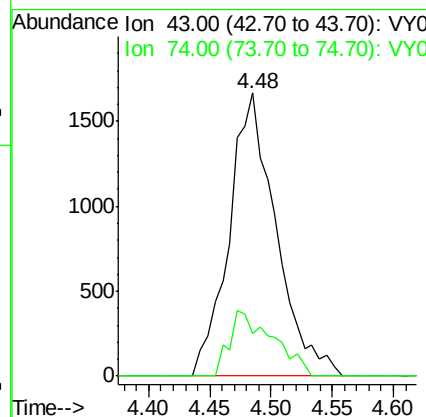
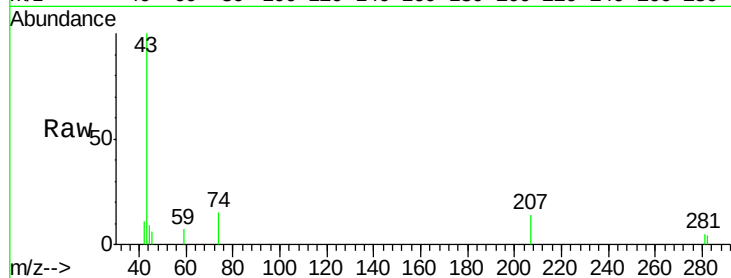
#15
Methyl Acetate
Concen: 1.231 ug/L
RT: 4.48 min Scan# 437
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

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

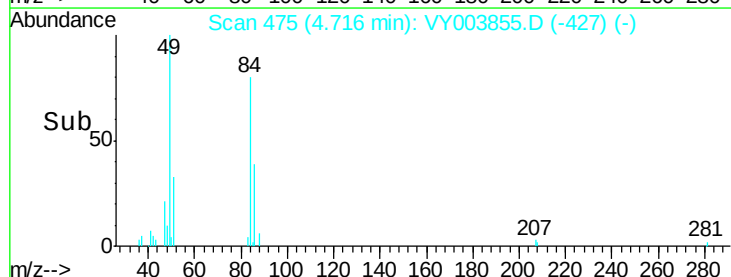
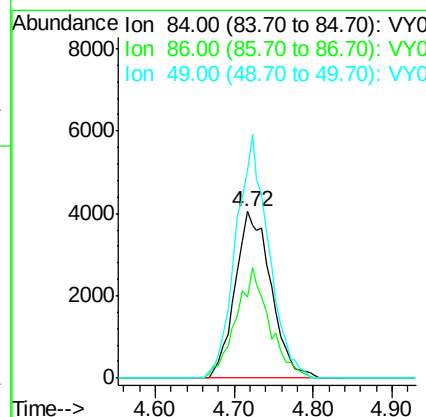
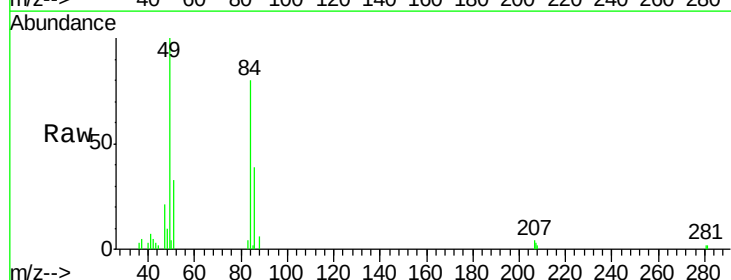
Manual Integrations
APPROVED

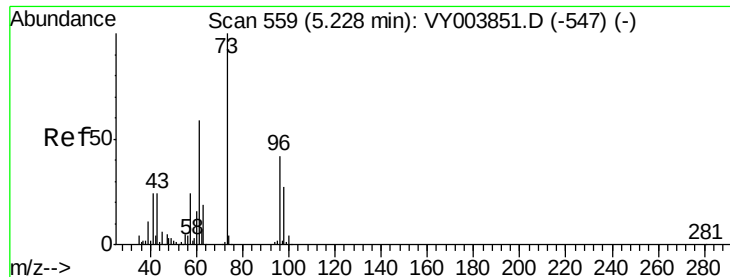
MMDadoda
12/30/2020 6:36:26 PM



#16
Methylene chloride
Concen: 2.422 ug/L m
RT: 4.72 min Scan# 475
Delta R.T. -0.01 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Tgt Ion: 84 Resp: 12684
Ion Ratio Lower Upper
84 100
86 48.8 42.1 78.3
49 125.1 90.3 167.7





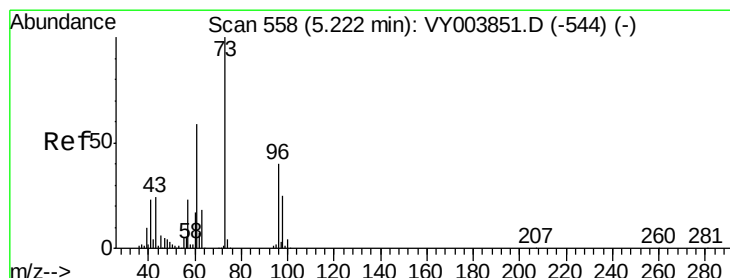
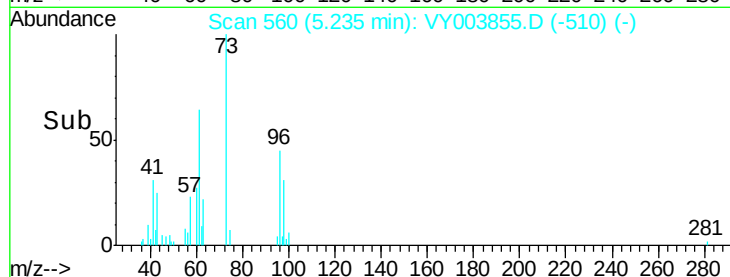
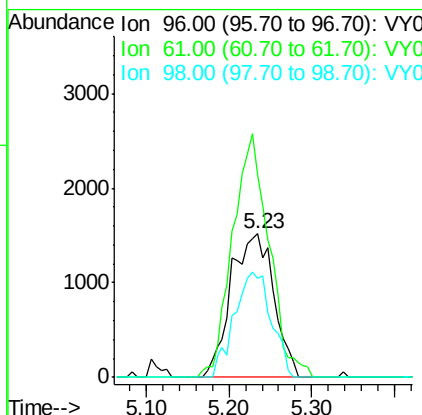
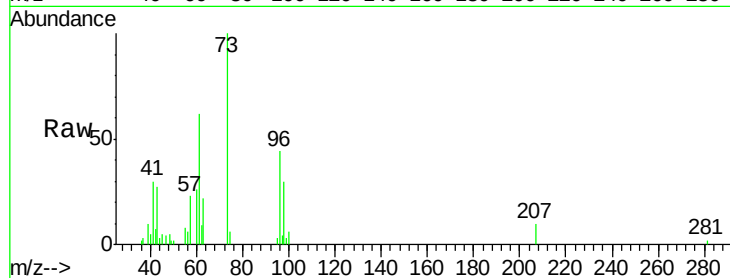
#17
trans-1,2-Dichloroethene
Concen: 1.154 ug/L m
RT: 5.23 min Scan# 560
Delta R.T. 0.01 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	101.7	188.9
98	68.7	44.3	82.3

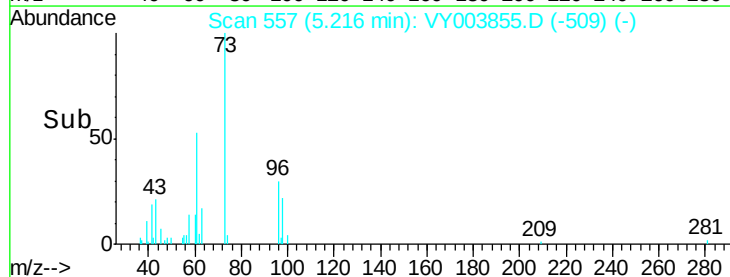
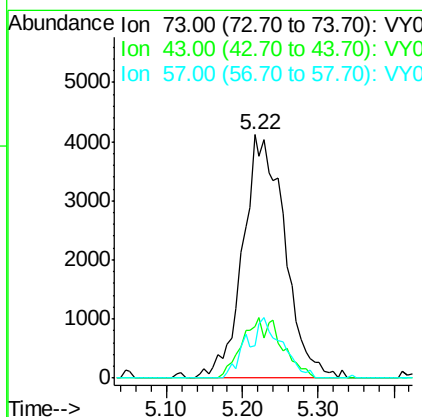
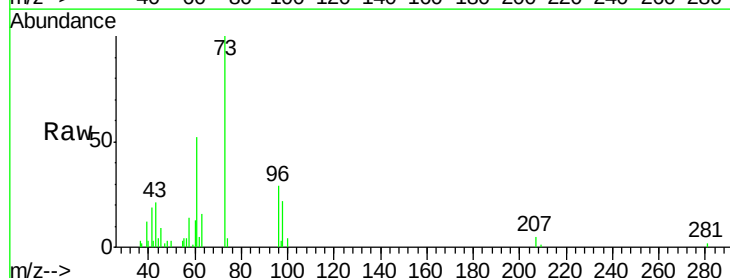
Manual Integrations
APPROVED

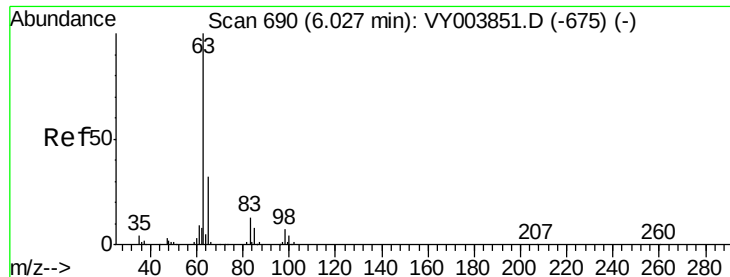
MMDadoda
12/30/2020 6:36:26 PM



#18
Methyl tert-butyl Ether
Concen: 1.131 ug/L m
RT: 5.22 min Scan# 557
Delta R.T. -0.01 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Tgt Ion	Ratio	Lower	Upper
73	100		
43	1.4	18.4	27.6#
57	15.1	17.6	26.4#





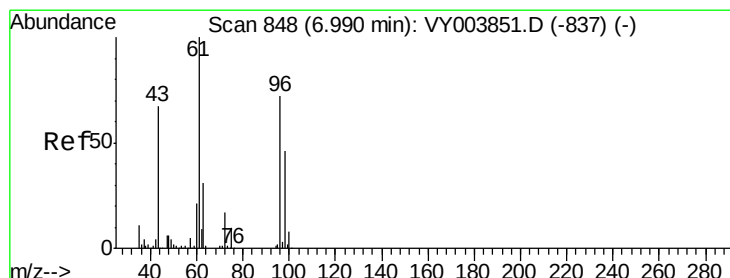
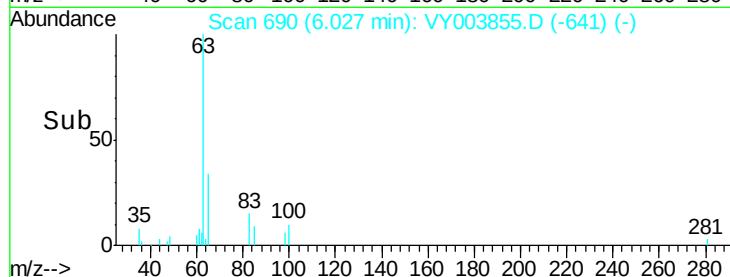
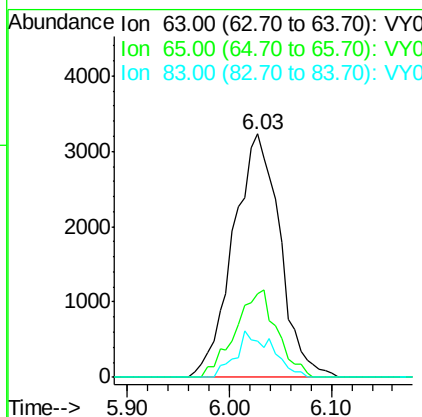
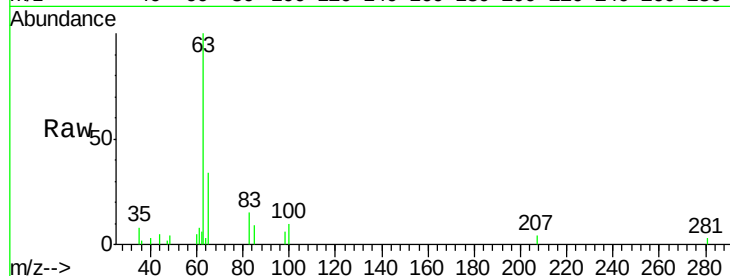
#19
 1,1-Dichloroethane
 Concen: 1.213 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

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

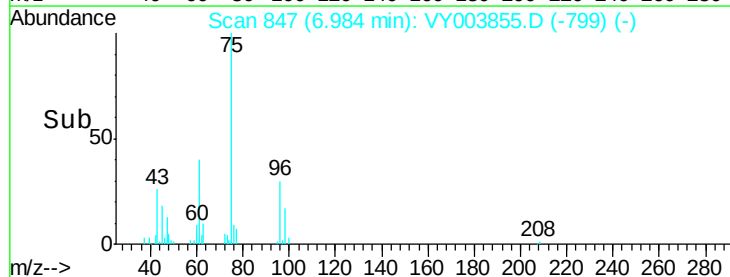
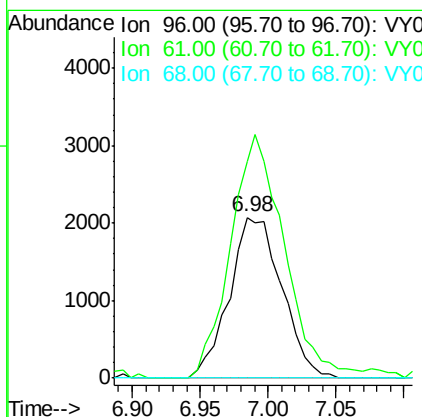
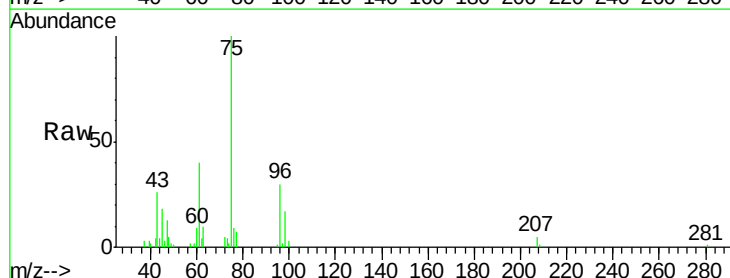
Manual Integrations
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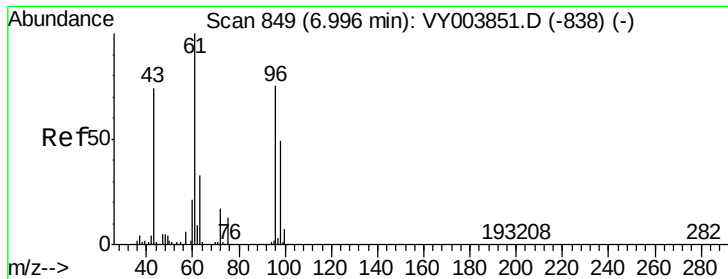
MMDadoda
 12/30/2020 6:36:26 PM



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

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





#22

2-Butanone

Concen: 2.868 ug/L

RT: 6.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion: 43 Resp: 6965

Ion Ratio Lower Upper

43 100

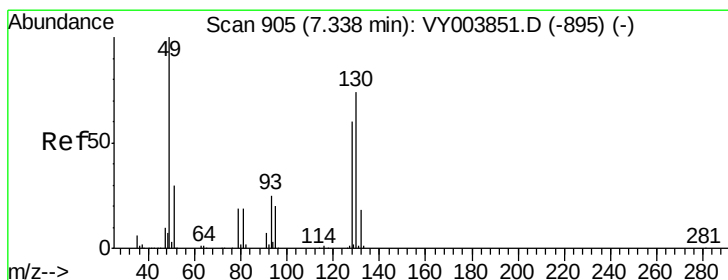
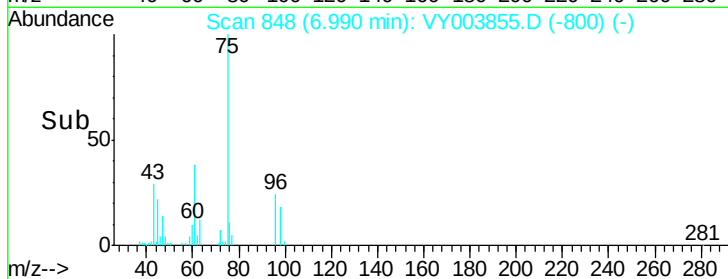
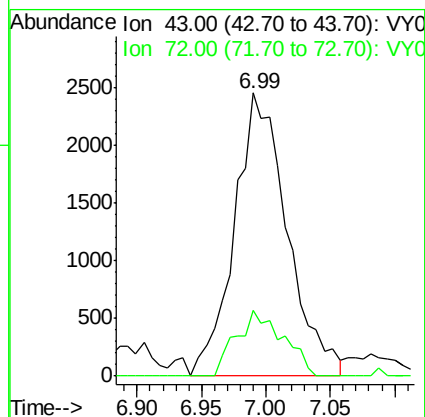
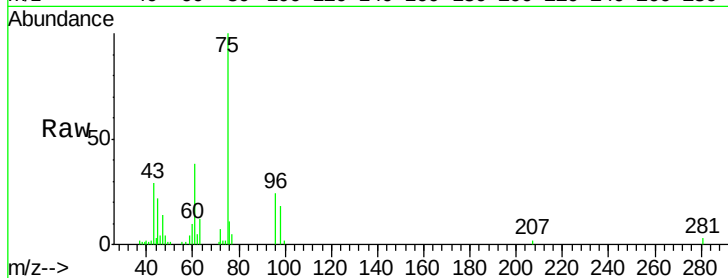
72 14.4 12.6 37.8

Manual Integrations

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MMDadoda

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#23

Bromochloromethane

Concen: 1.098 ug/L

RT: 7.34 min Scan# 905

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Tgt Ion: 128 Resp: 2750

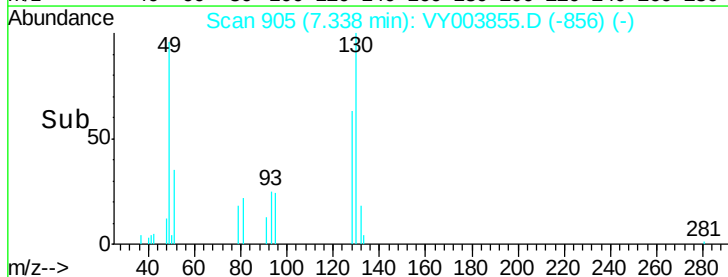
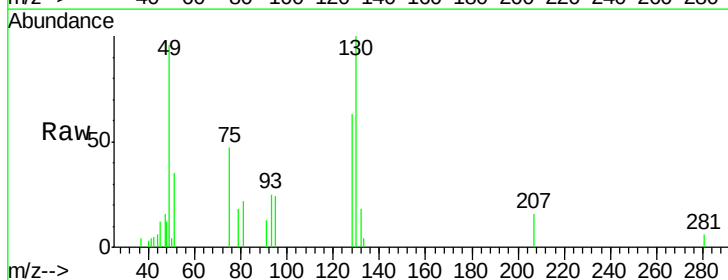
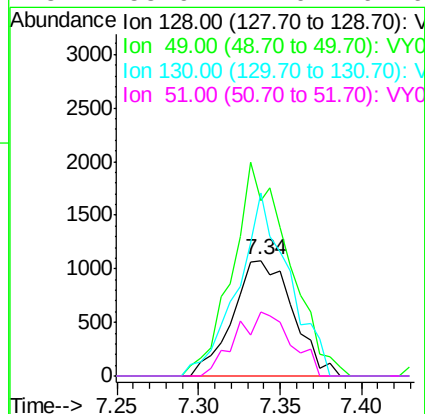
Ion Ratio Lower Upper

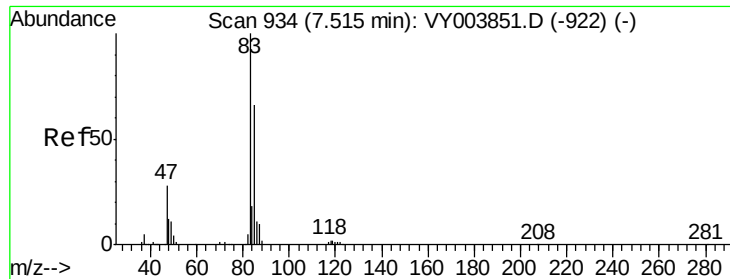
128 100

49 152.2 114.4 212.4

130 158.9 88.8 164.8

51 55.9 41.0 61.6





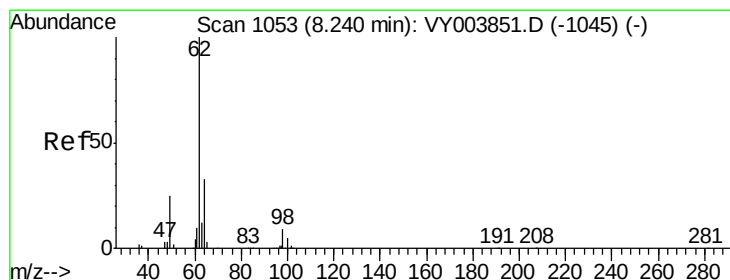
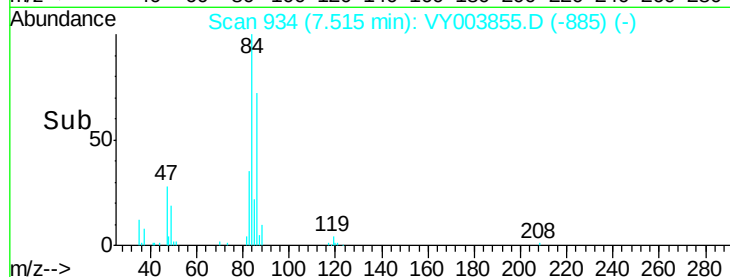
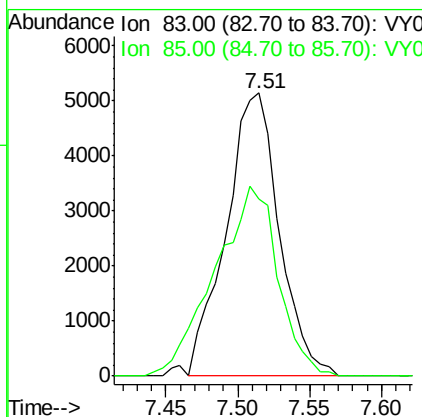
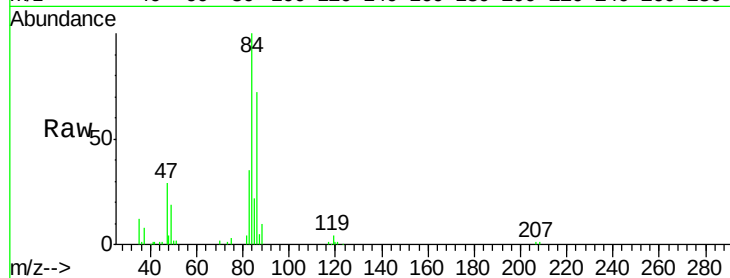
#25
Chloroform
Concen: 1.492 ug/L
RT: 7.51 min Scan# 934
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.7	44.2	82.2

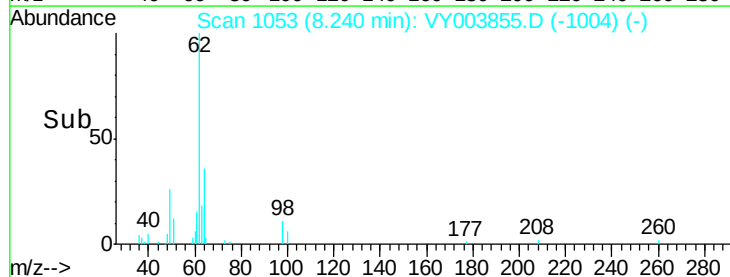
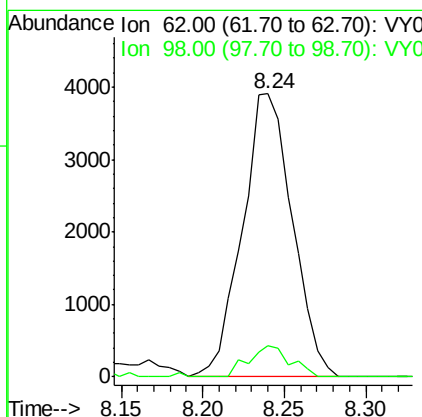
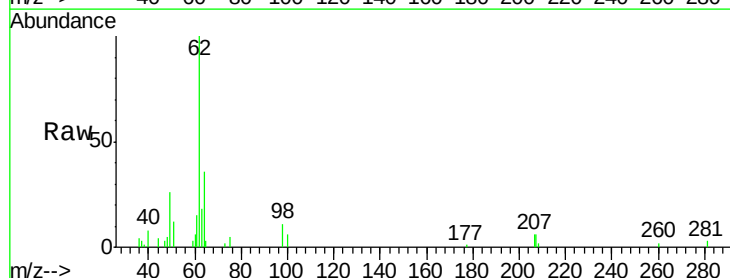
Manual Integrations
APPROVED

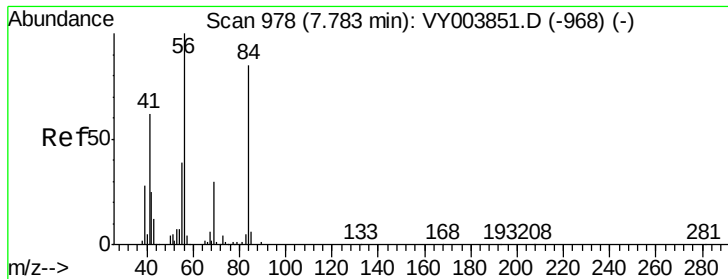
MMDadoda
12/30/2020 6:36:26 PM



#27
1,2-Dichloroethane
Concen: 1.213 ug/L
RT: 8.24 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.1	6.8	10.2





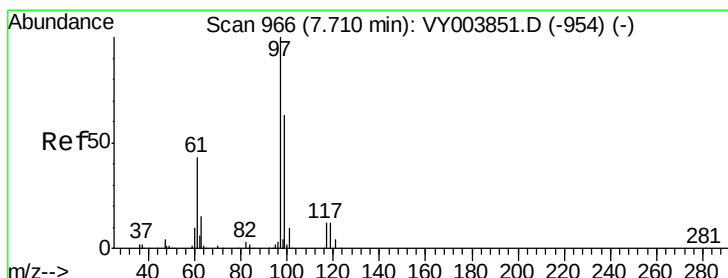
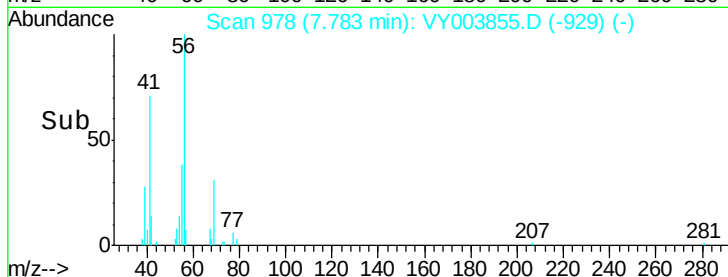
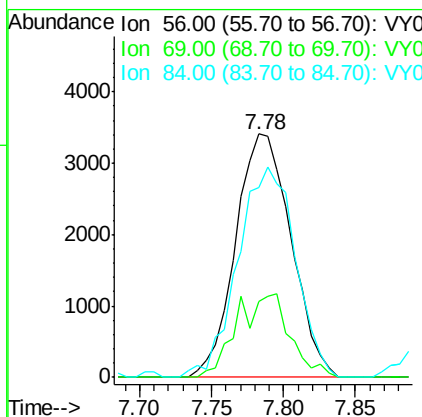
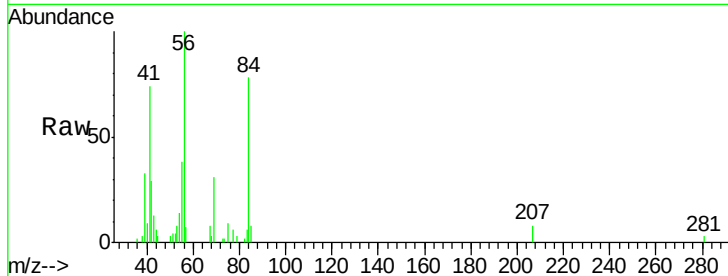
#29
Cyclohexane
Concen: 1.127 ug/L
RT: 7.78 min Scan# 978
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
56	100		
69	20.6	24.2	36.2#
84	88.3	68.7	103.1

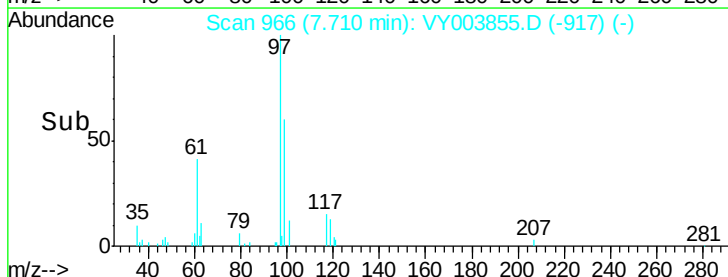
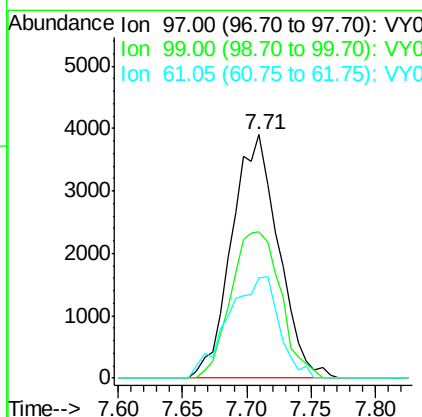
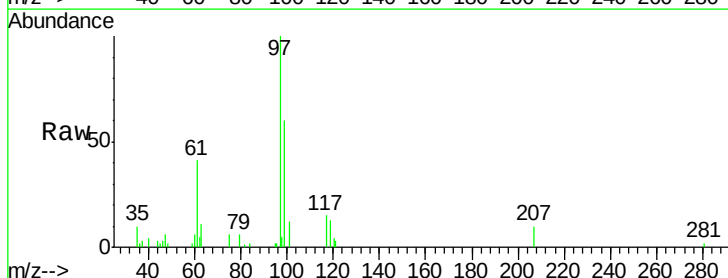
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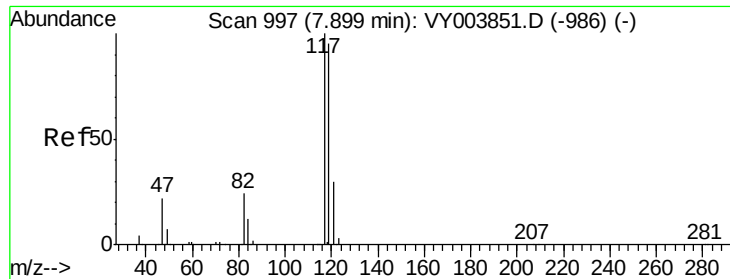
MMDadoda
12/30/2020 6:36:26 PM



#30
1,1,1-Trichloroethane
Concen: 1.185 ug/L
RT: 7.71 min Scan# 966
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.5	75.7
61	25.7	35.5	53.3#





#31

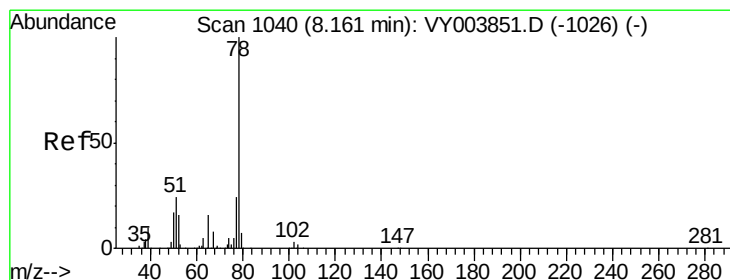
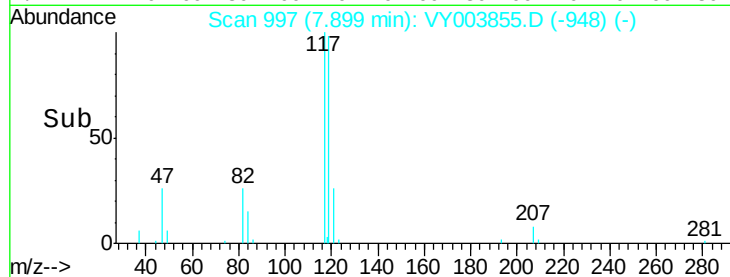
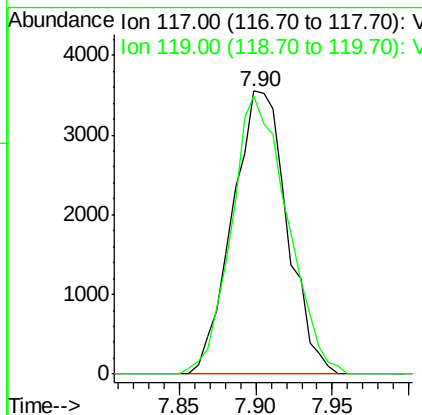
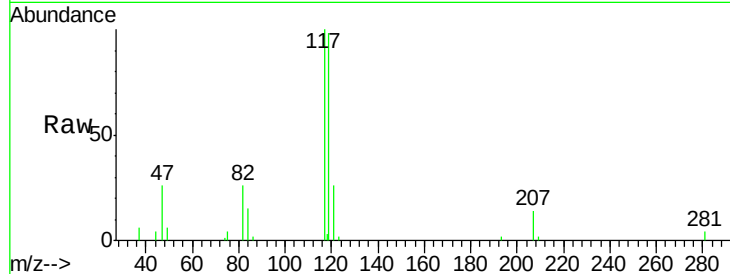
Carbon tetrachloride
Concen: 1.149 ug/L
RT: 7.90 min Scan# 997
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

Tot Ion:117 Resp: 8828
Ion Ratio Lower Upper
117 100
119 100.8 76.2 114.4

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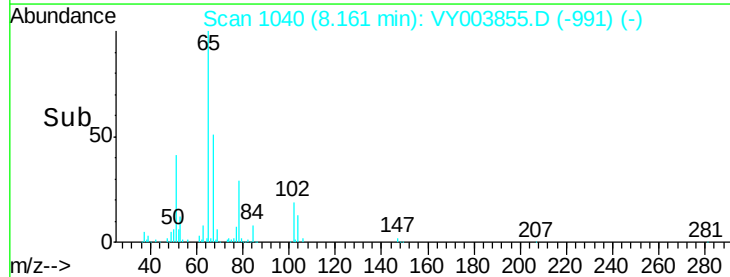
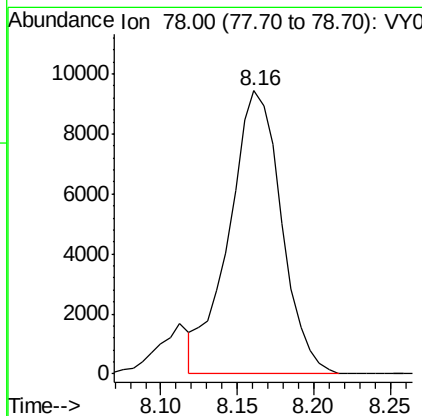
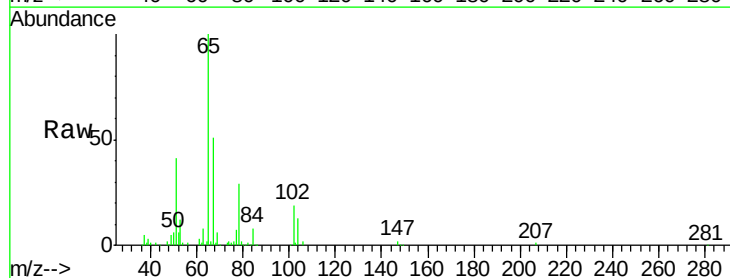
MMDadoda
12/30/2020 6:36:26 PM

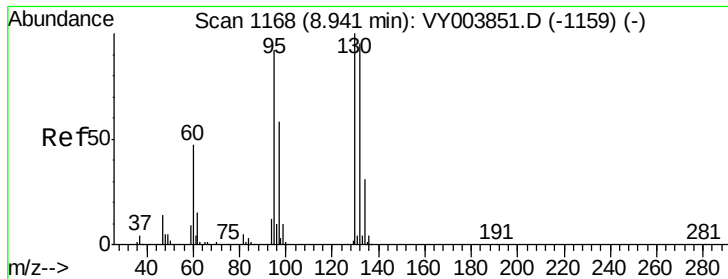


#33

Benzene
Concen: 1.191 ug/L
RT: 8.16 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Tgt Ion: 78 Resp: 22458





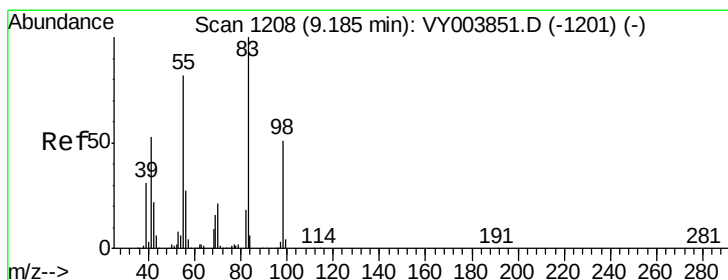
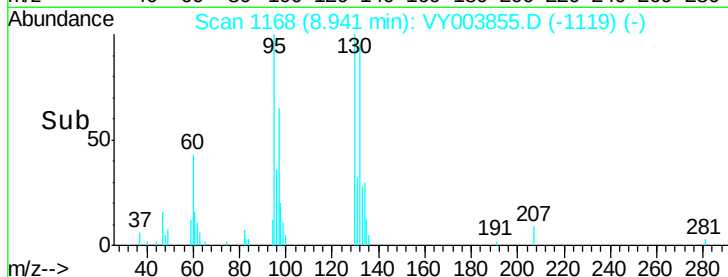
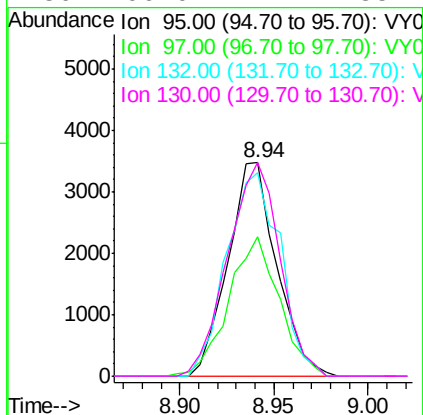
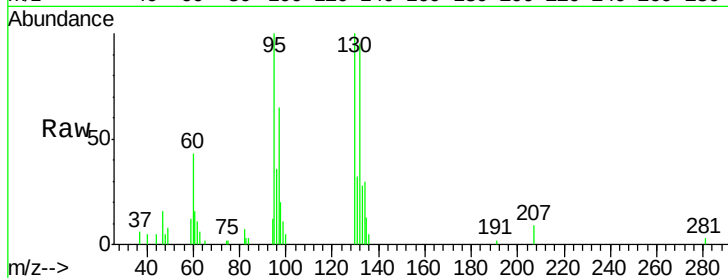
#34
 Trichloroethene
 Concen: 1.197 ug/L
 RT: 8.94 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

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

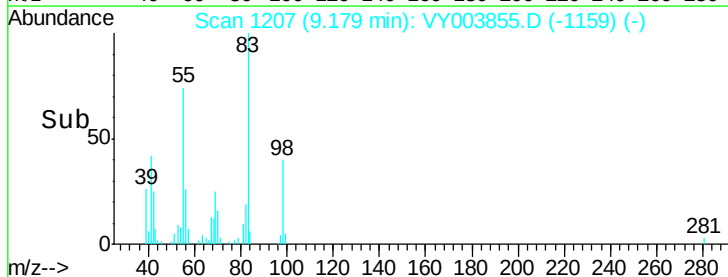
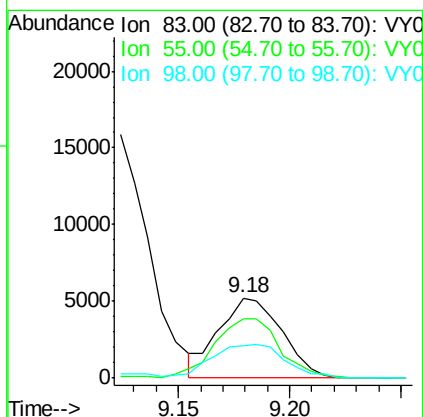
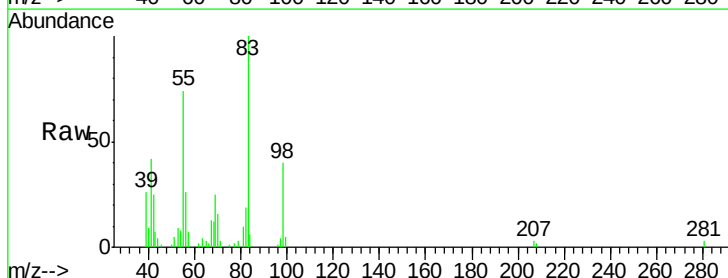
Manual Integrations
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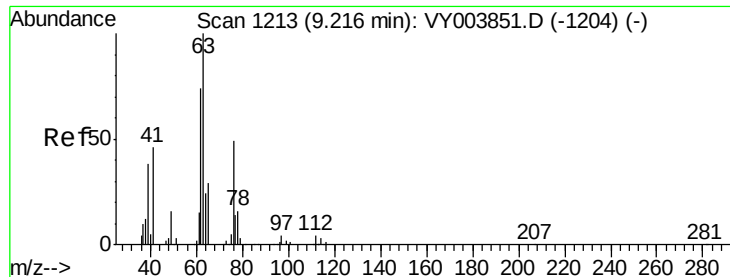
MMDadoda
 12/30/2020 6:36:26 PM



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

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





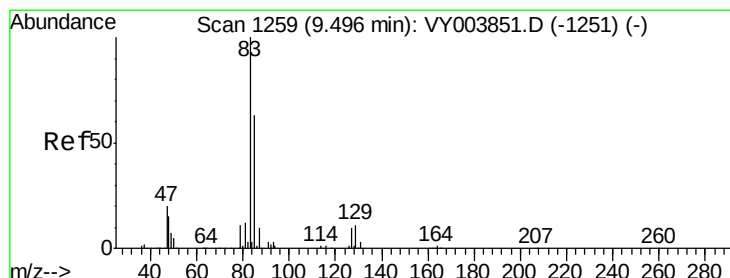
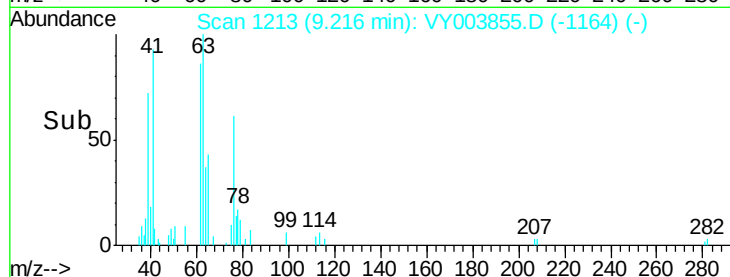
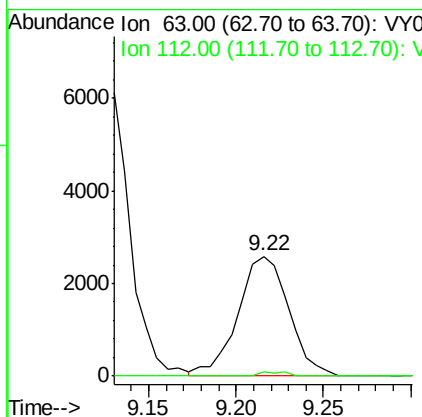
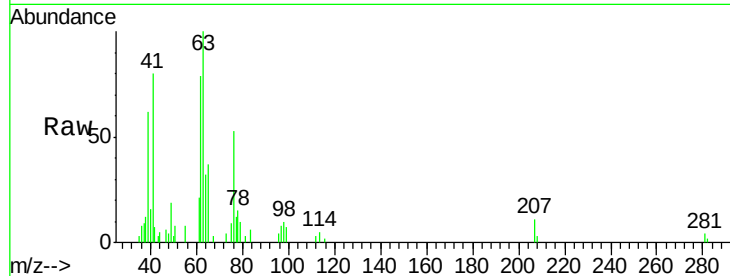
#37
 1,2-Dichloropropane
 Concen: 1.091 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

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

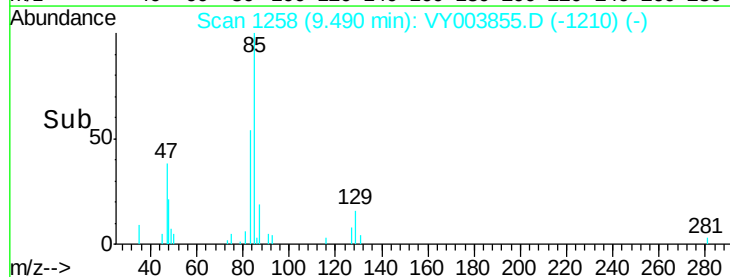
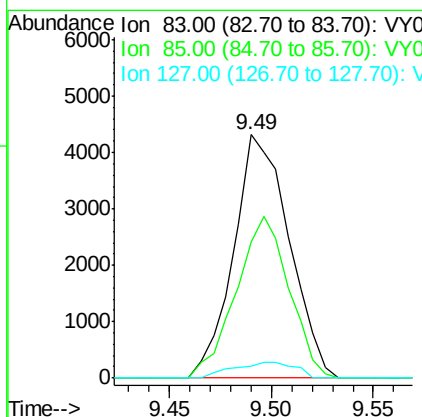
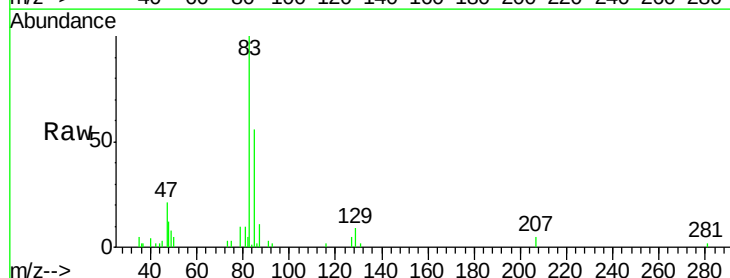
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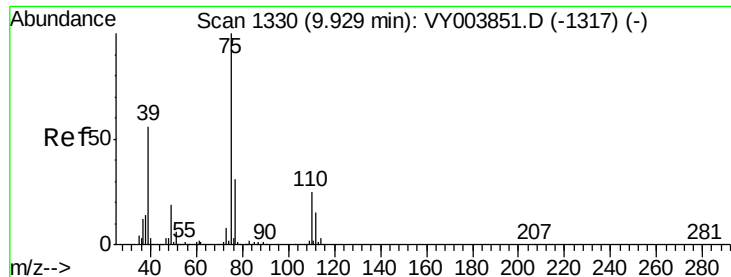
MMDadoda
 12/30/2020 6:36:26 PM



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

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





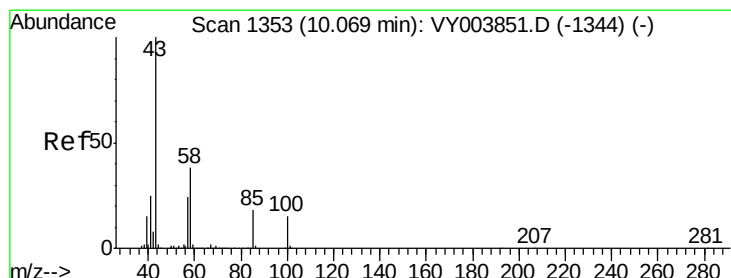
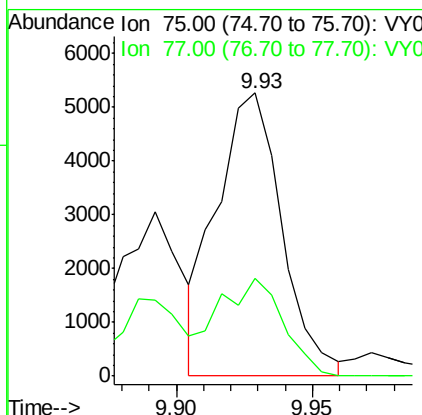
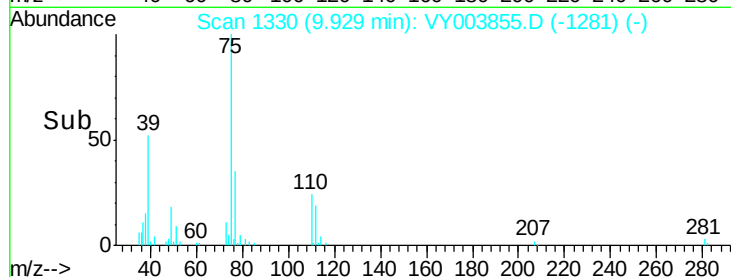
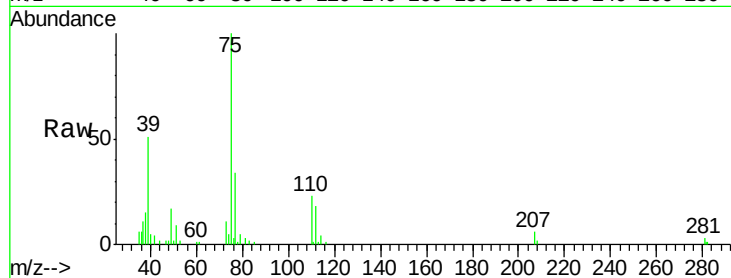
#39
 cis-1,3-Dichloropropene
 Concen: 1.067 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

Tot Ion: 75 Resp: 8755
 Ion Ratio Lower Upper
 75 100
 77 34.5 23.0 42.6

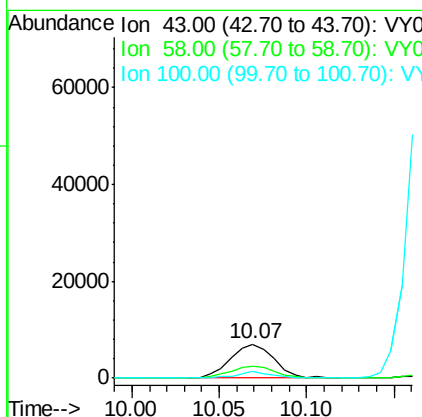
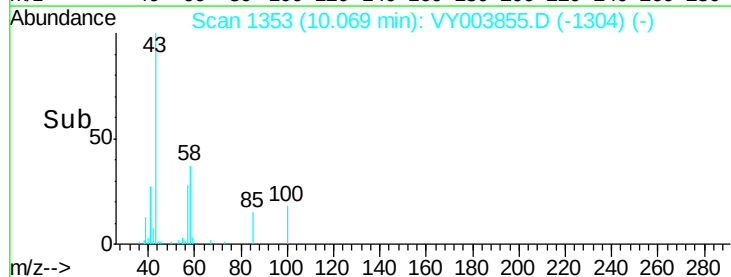
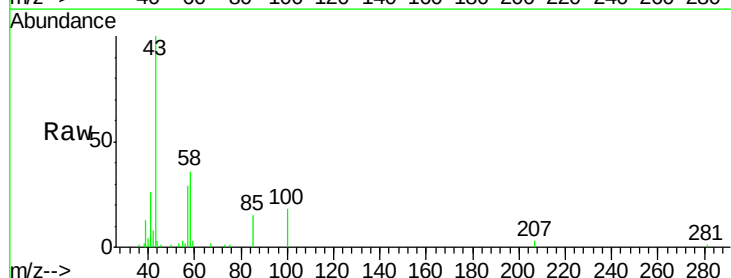
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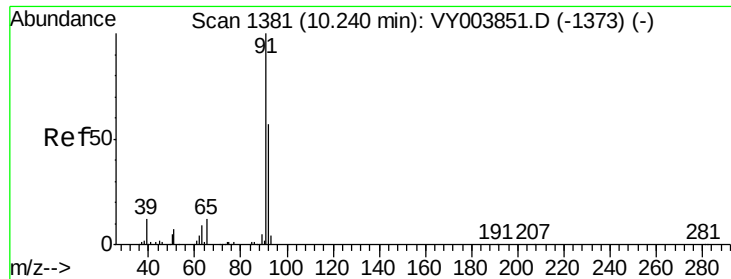
MMDadoda
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#40
 4-Methyl-2-pentanone
 Concen: 2.358 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Tgt Ion: 43 Resp: 12090
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.6 44.4
 100 14.2 11.8 17.6





#42

Toluene

Concen: 1.178 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion: 91 Resp: 24586

Ion Ratio Lower Upper

91 100

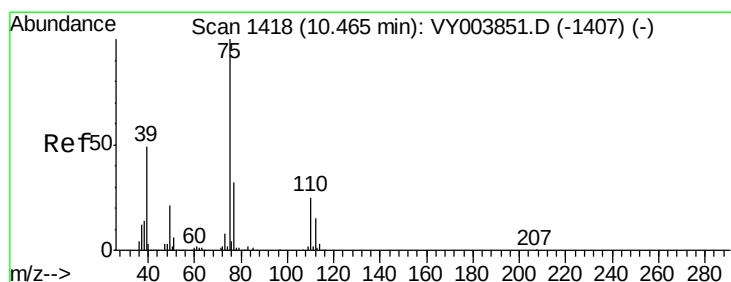
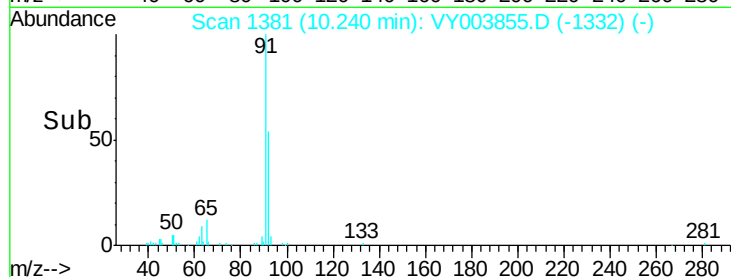
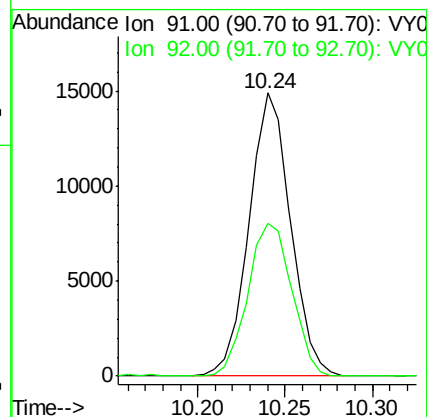
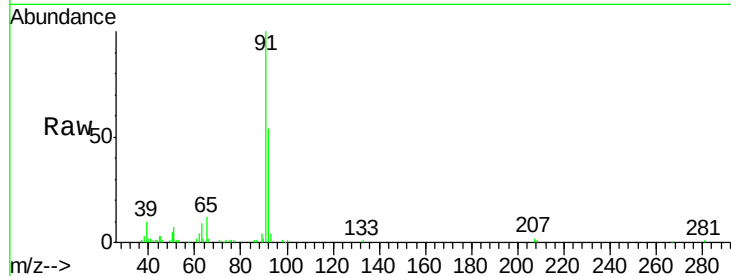
92 54.1 39.9 74.1

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#44

trans-1,3-Dichloropropene

Concen: 1.168 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003855.D

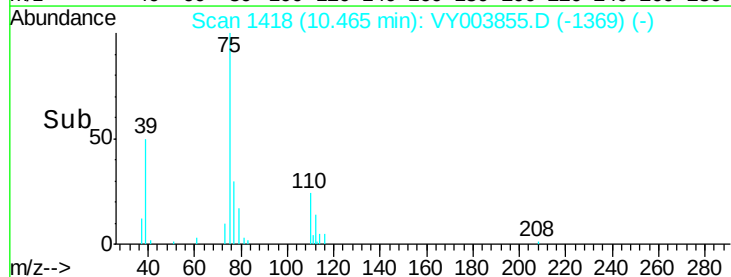
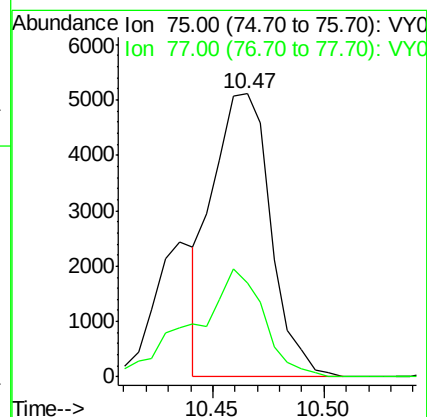
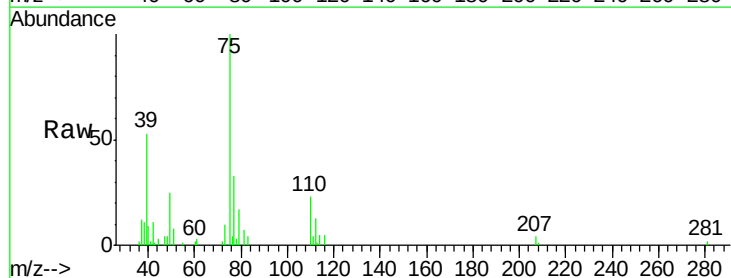
Acq: 29 Dec 2020 16:44

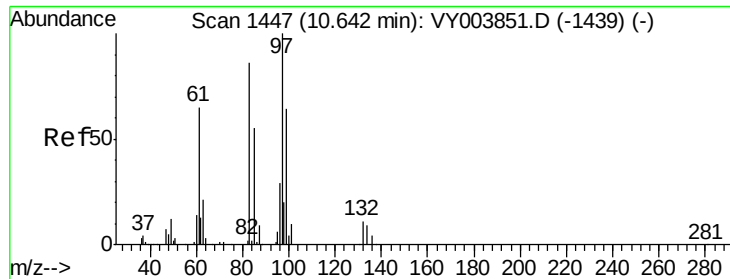
Tgt Ion: 75 Resp: 9246

Ion Ratio Lower Upper

75 100

77 33.2 21.9 40.7





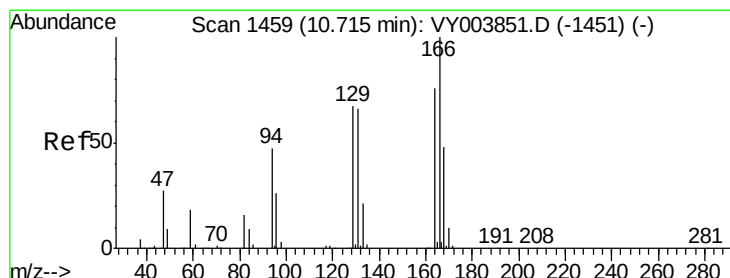
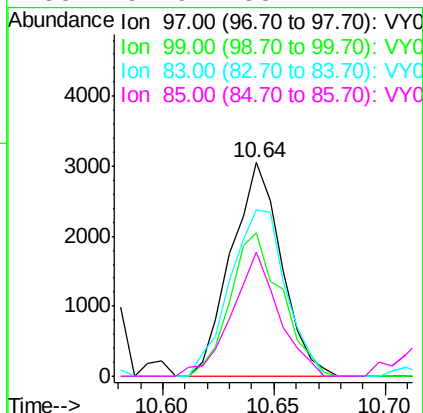
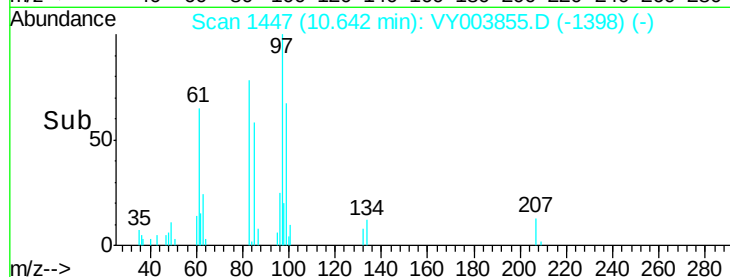
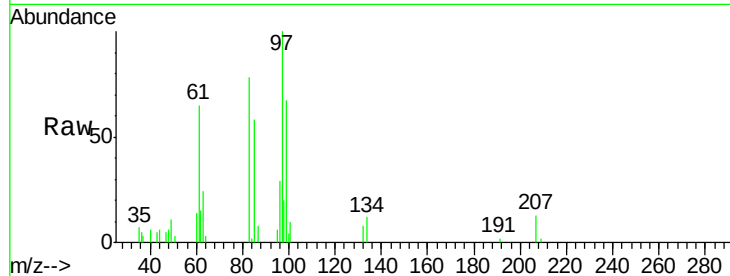
#45
 1,1,2-Trichloroethane
 Concen: 1.163 ug/L
 RT: 10.64 min Scan# 1447
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

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

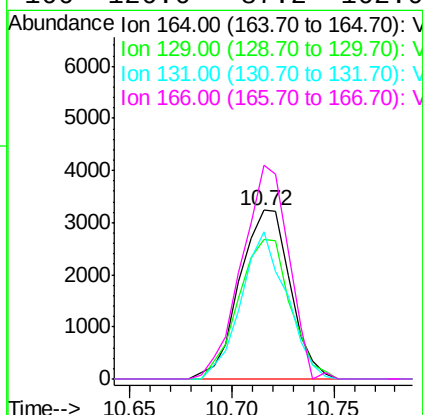
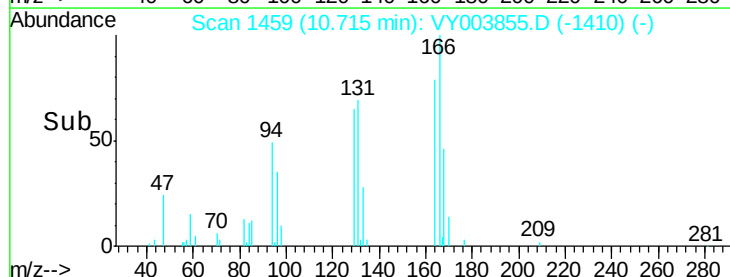
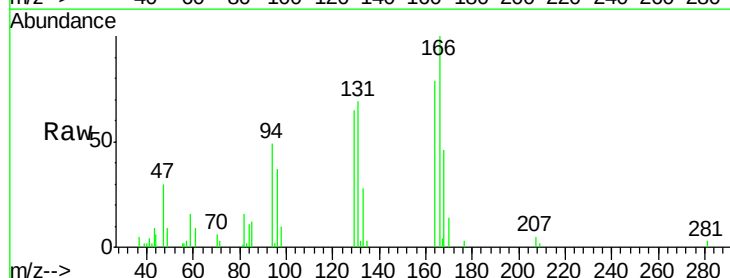
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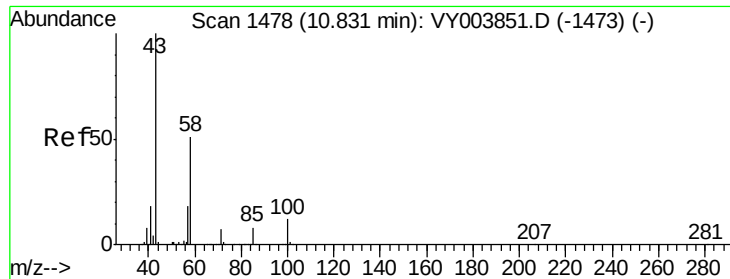
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#46
 Tetrachloroethene
 Concen: 1.243 ug/L
 RT: 10.72 min Scan# 1459
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

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





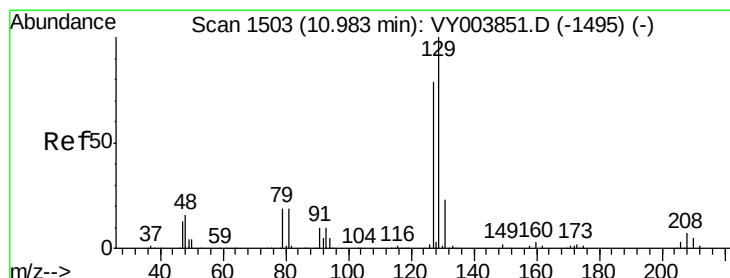
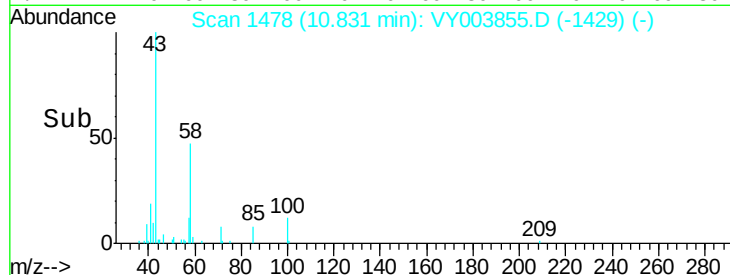
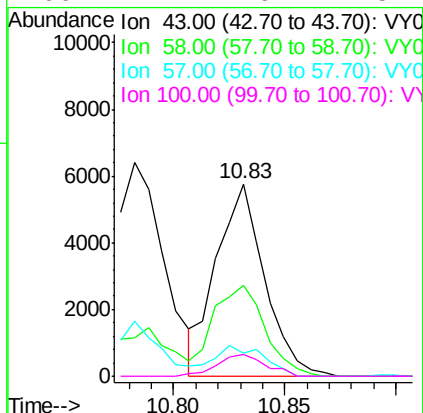
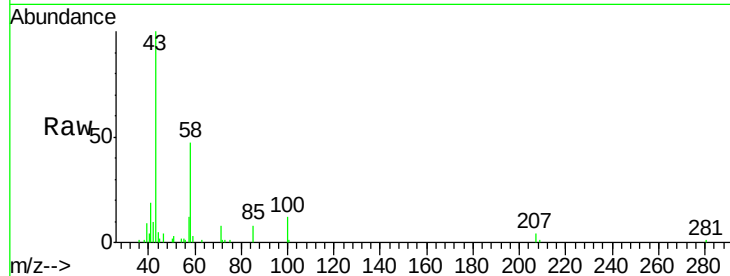
#48
2-Hexanone
Concen: 2.327 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

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

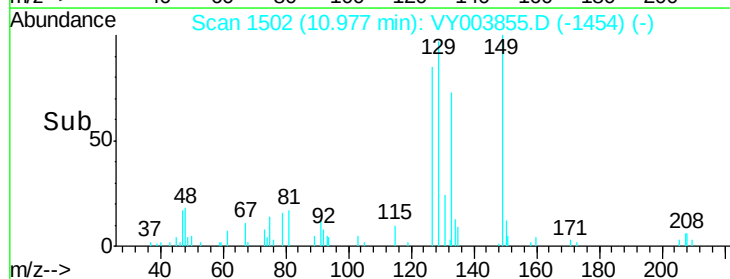
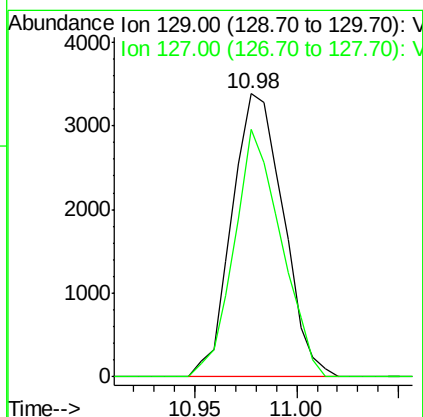
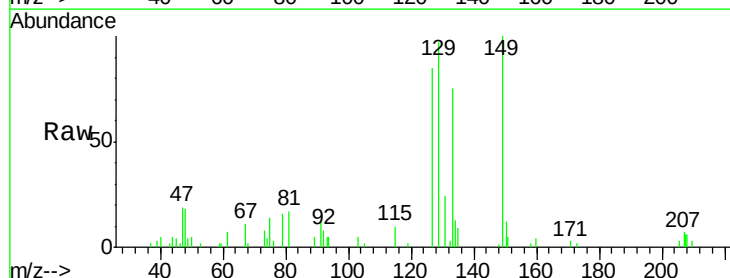
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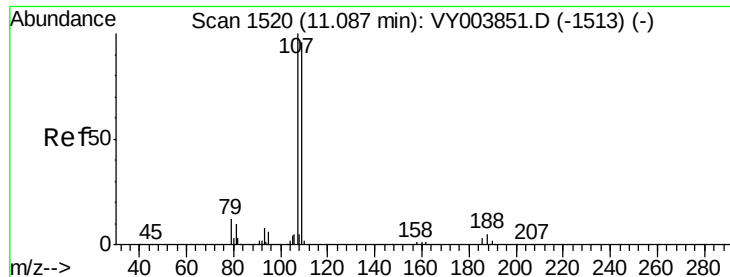
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#49
Dibromochloromethane
Concen: 1.131 ug/L
RT: 10.98 min Scan# 1502
Delta R.T. -0.01 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

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





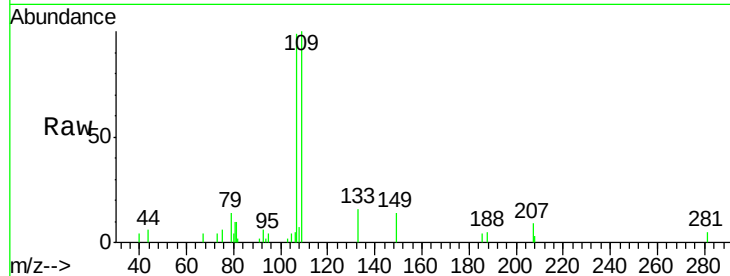
#50
1,2-Dibromoethane
Concen: 1.134 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

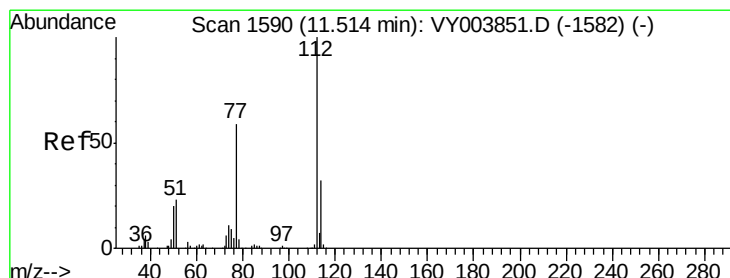
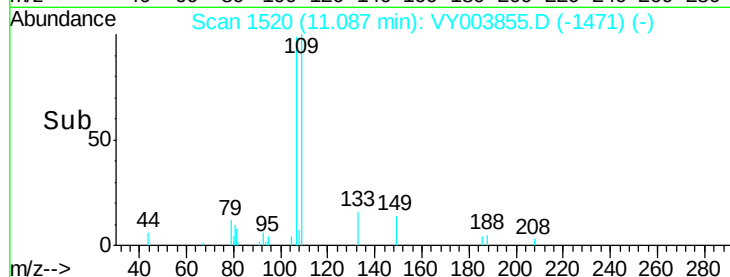
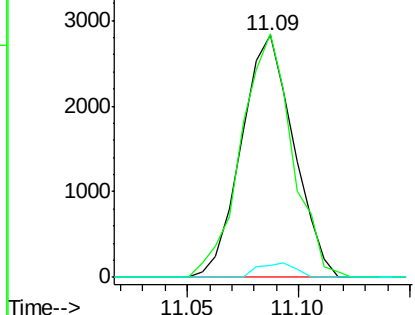
Tot Ion	Ratio	Lower	Upper
107	100		
109	100.7	65.5	121.7
188	5.2	3.6	5.4

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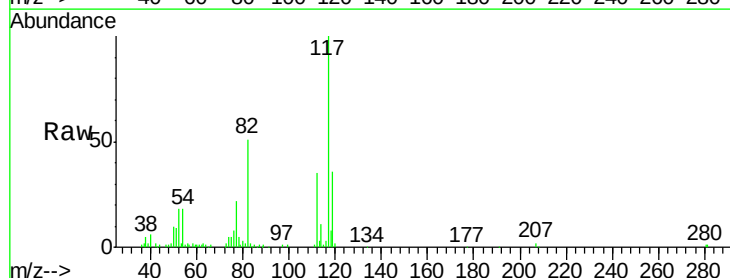


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

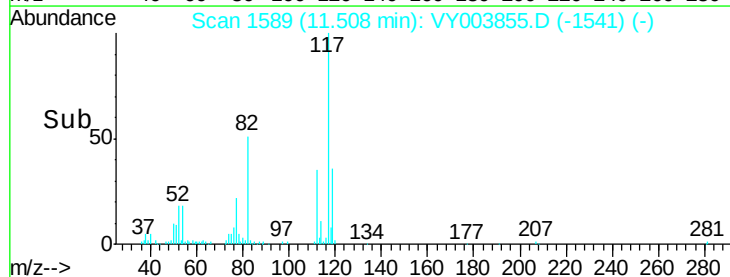
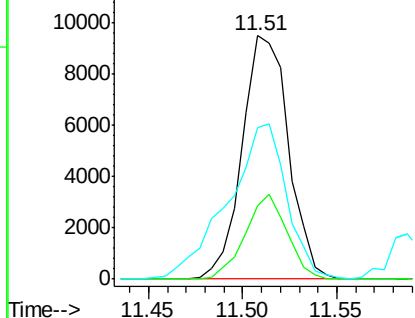


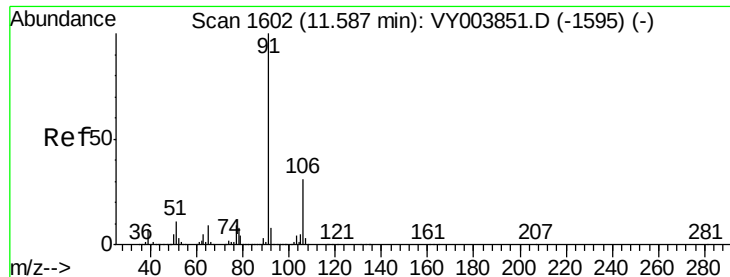
#51
Chlorobenzene
Concen: 1.203 ug/L
RT: 11.51 min Scan# 1589
Delta R.T. -0.01 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

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



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





#52

Ethylbenzene

Concen: 1.146 ug/L

RT: 11.59 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion: 91 Resp: 26791

Ion Ratio Lower Upper

91 100

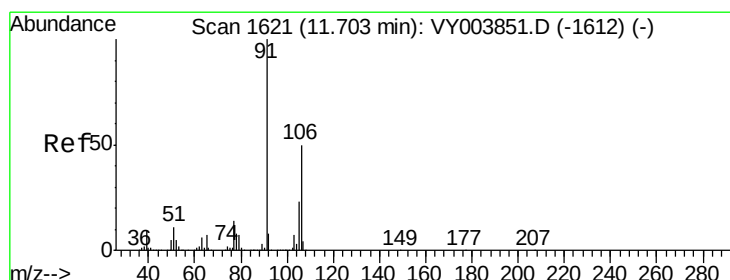
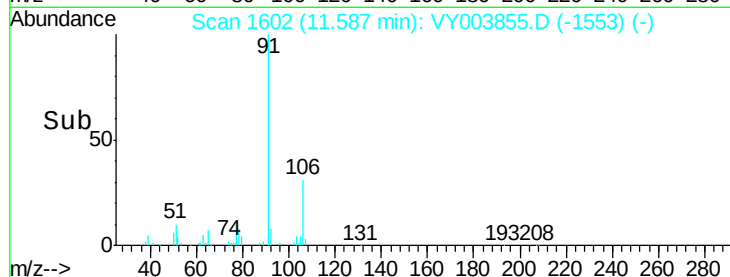
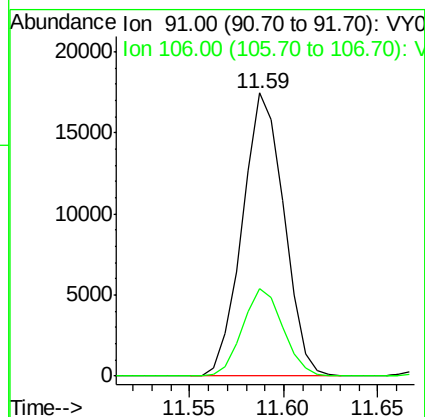
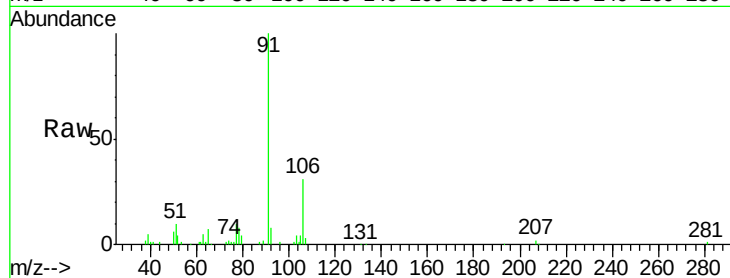
106 30.8 21.6 40.0

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#53

m,p-Xylene

Concen: 1.159 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003855.D

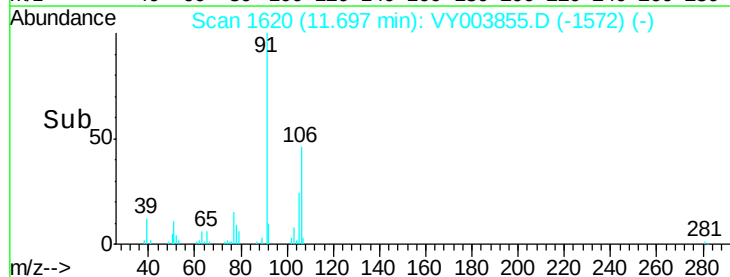
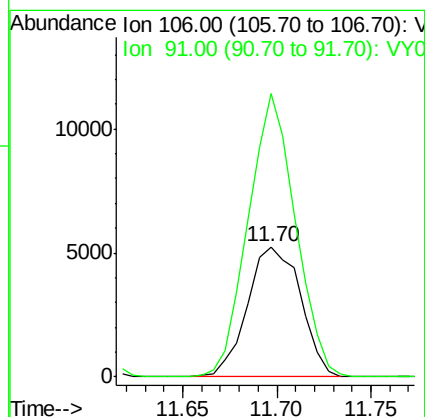
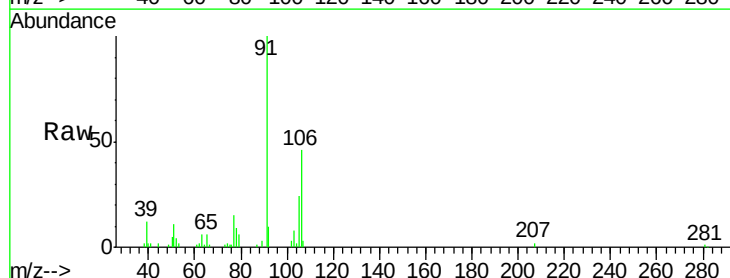
Acq: 29 Dec 2020 16:44

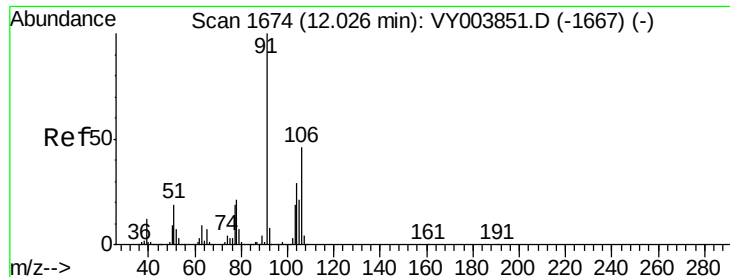
Tgt Ion: 106 Resp: 10270

Ion Ratio Lower Upper

106 100

91 217.6 146.3 271.7





#54

o-Xylene

Concen: 1.075 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion:106 Resp: 9277

Ion Ratio Lower Upper

106 100

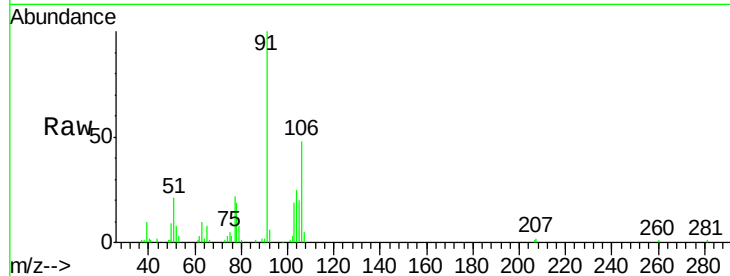
91 208.4 147.7 274.3

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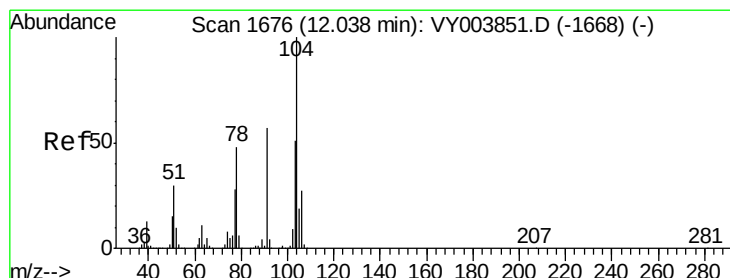
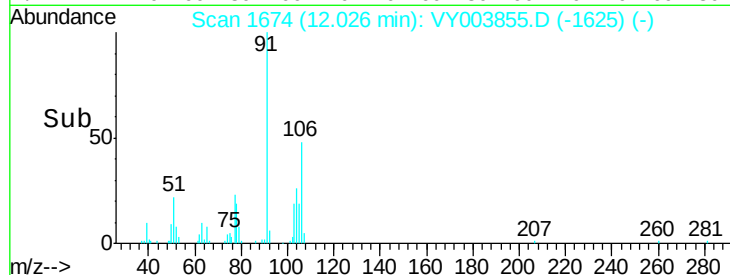
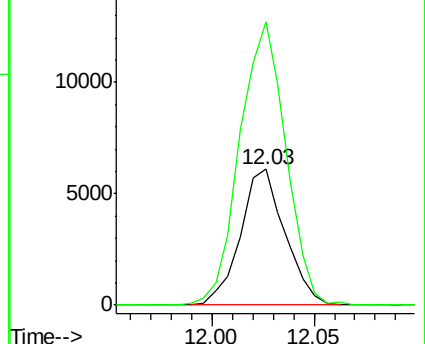
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

Styrene

Concen: 1.026 ug/L

RT: 12.04 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VY003855.D

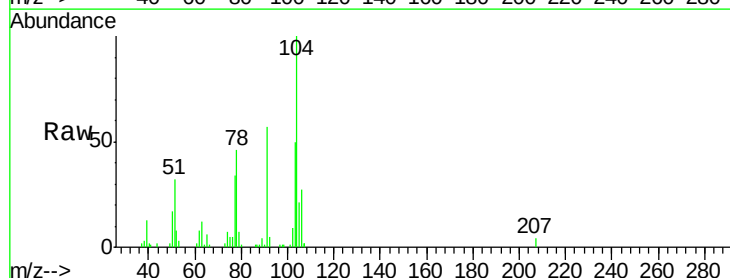
Acq: 29 Dec 2020 16:44

Tgt Ion:104 Resp: 15316

Ion Ratio Lower Upper

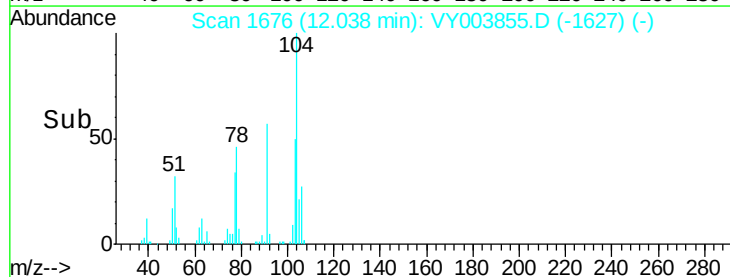
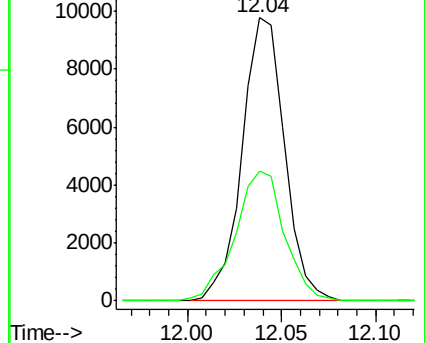
104 100

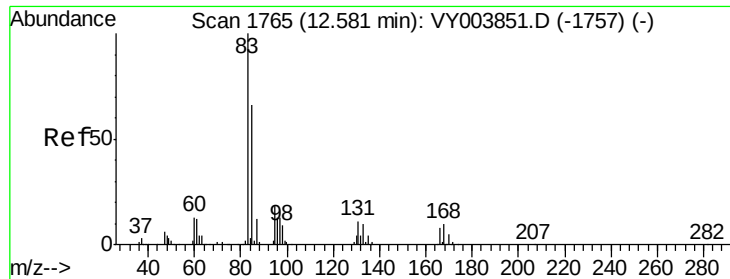
78 45.8 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0





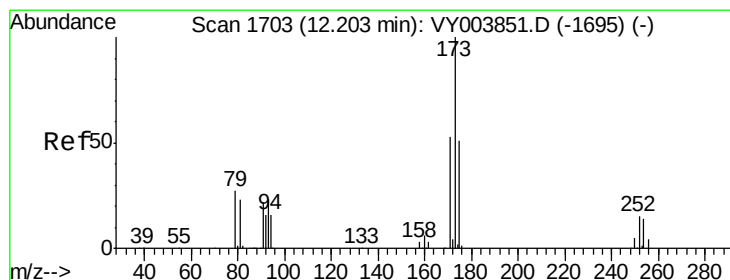
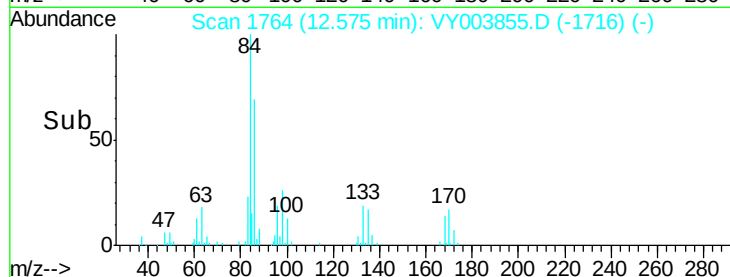
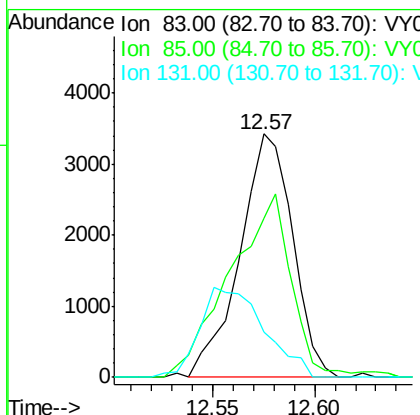
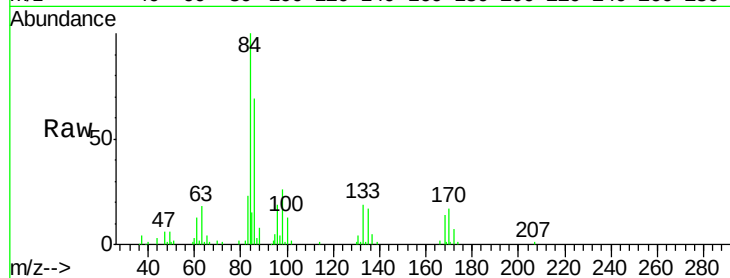
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.265 ug/L
 RT: 12.57 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.4	44.9	83.3
131	21.2	9.0	13.6#

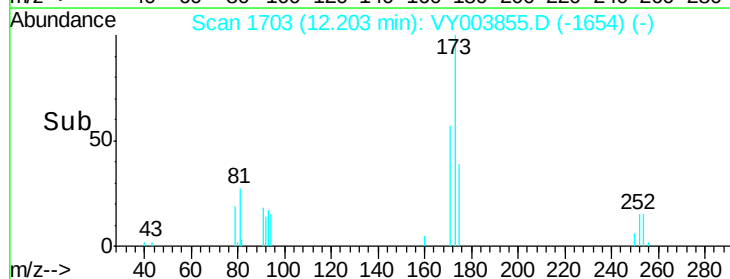
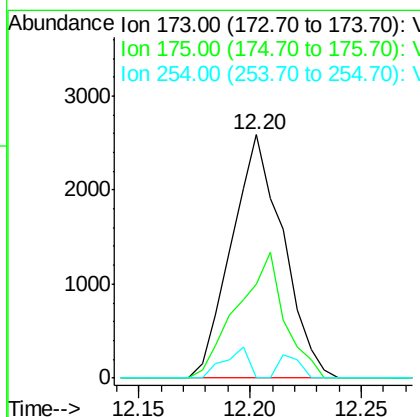
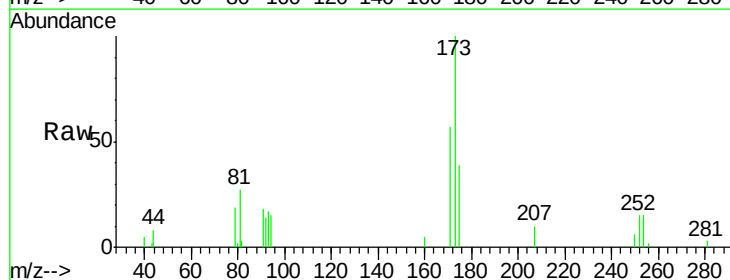
Manual Integrations
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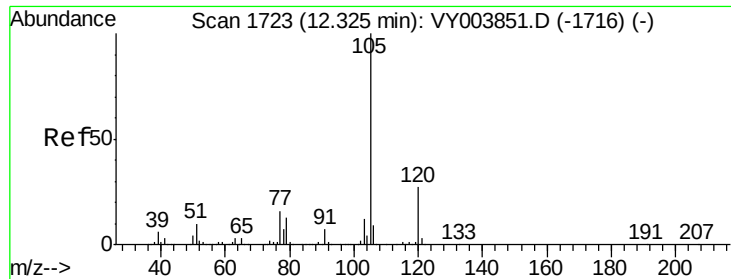
MMDadoda
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#59
 Bromoform
 Concen: 1.142 ug/L
 RT: 12.20 min Scan# 1703
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	38.9	58.3#
254	5.9	11.5	17.3#





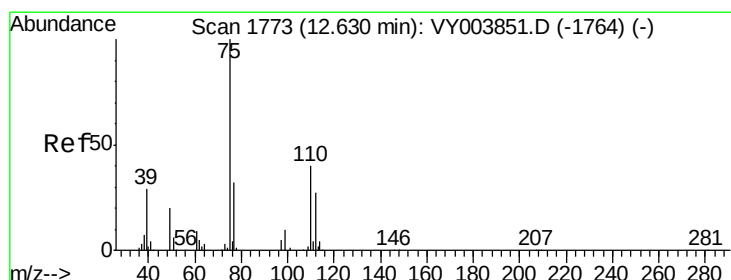
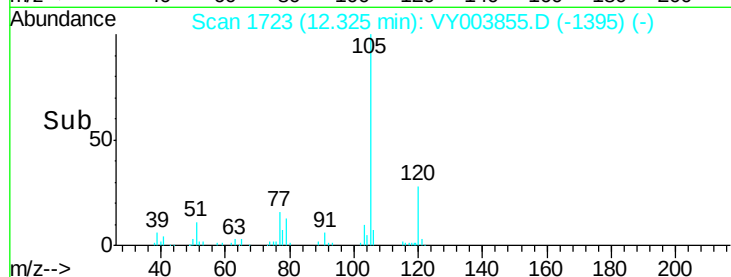
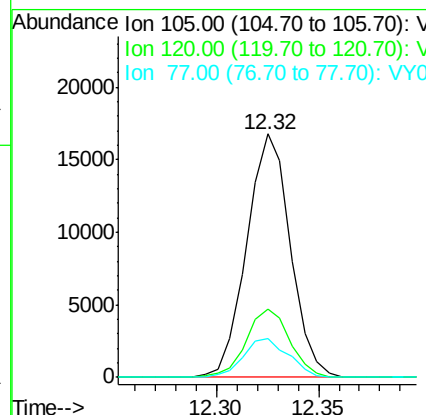
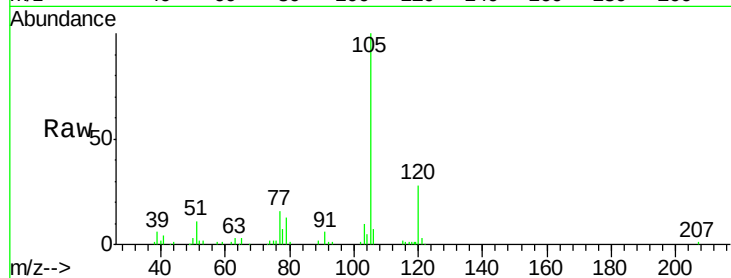
#60
Isopropylbenzene
Concen: 1.112 ug/L
RT: 12.32 min Scan# 1723
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.1	21.7	32.5
77	16.4	12.9	19.3

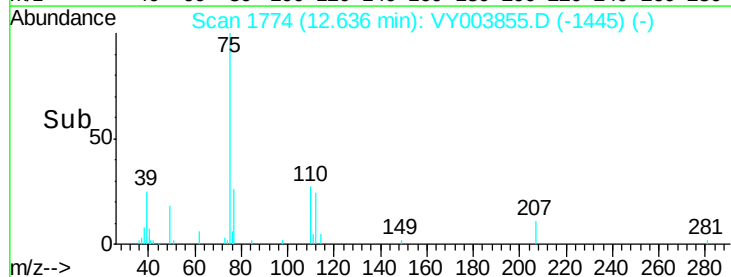
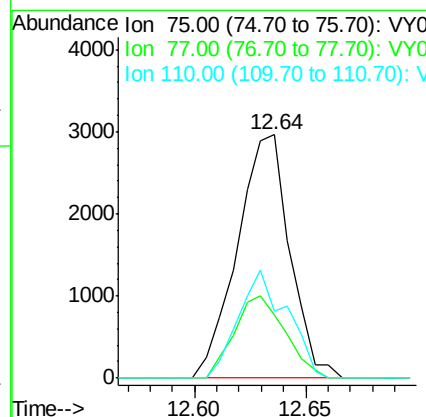
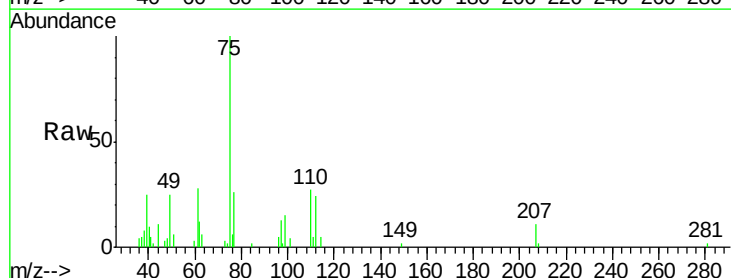
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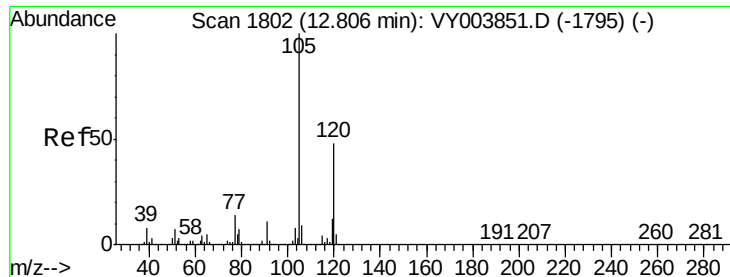
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#61
1,2,3-Trichloropropane
Concen: 1.173 ug/L
RT: 12.64 min Scan# 1774
Delta R.T. 0.01 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.2	39.4
110	40.8	32.4	48.6





#62

1,3,5-Trimethylbenzene

Concen: 1.143 ug/L

RT: 12.81 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VY003855.D

Acq: 29 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-01

Tot Ion:105 Resp: 21254

Ion Ratio Lower Upper

105 100

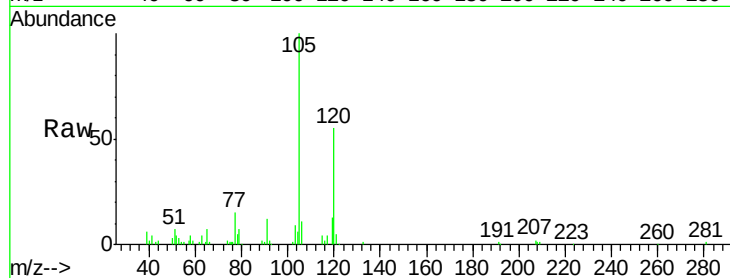
120 48.0 39.0 58.4

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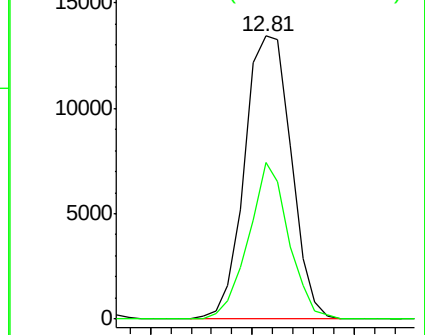
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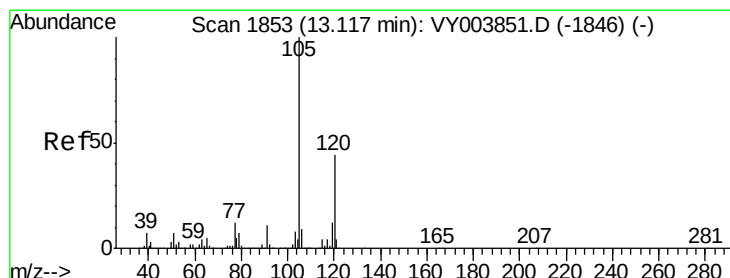
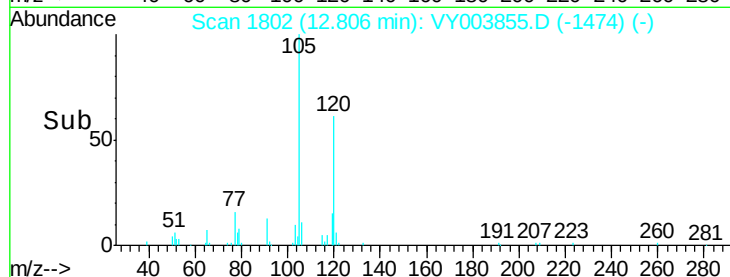


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#63

1,2,4-Trimethylbenzene

Concen: 1.143 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003855.D

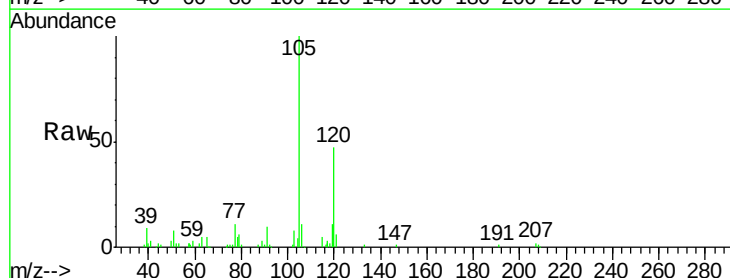
Acq: 29 Dec 2020 16:44

Tgt Ion:105 Resp: 21525

Ion Ratio Lower Upper

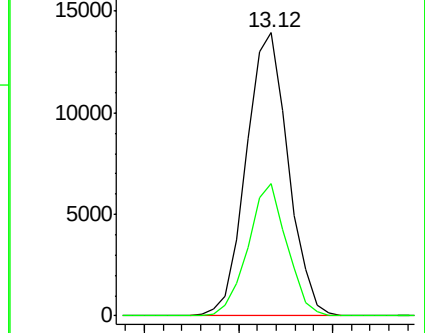
105 100

120 43.3 36.5 54.7

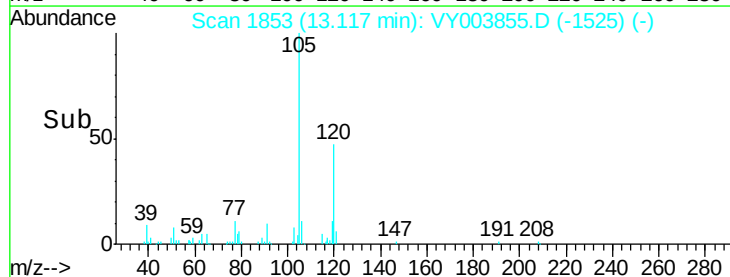


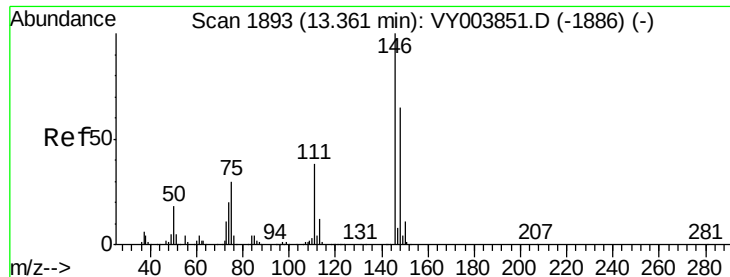
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





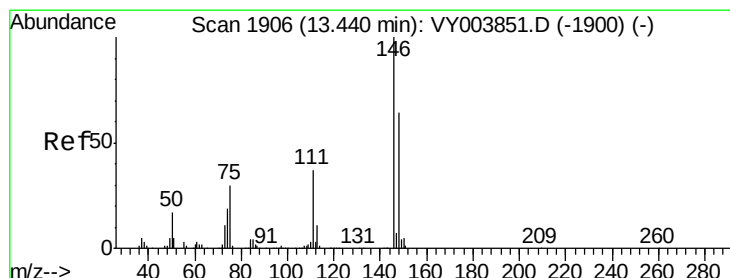
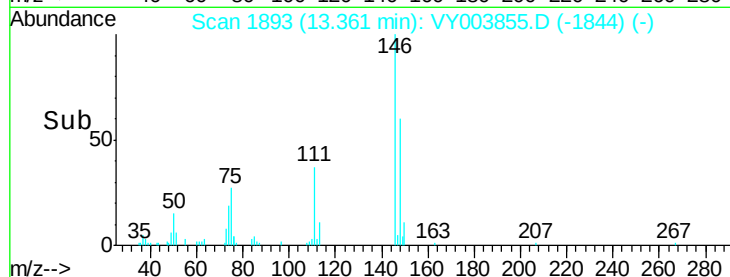
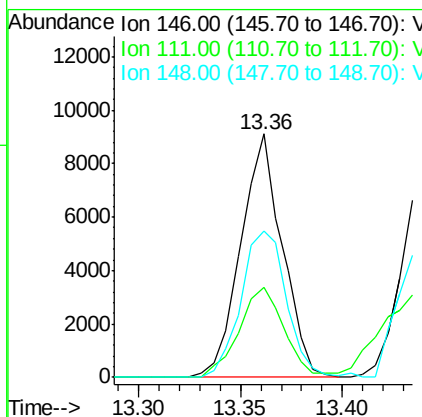
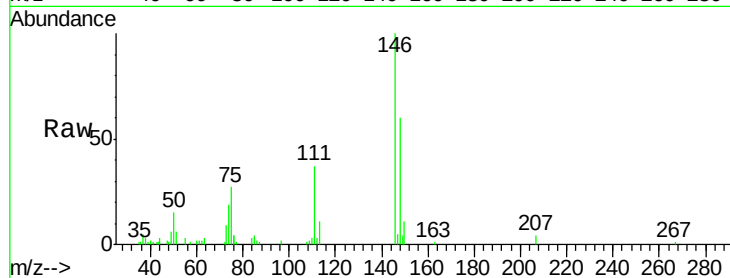
#64
1,3-Dichlorobenzene
Concen: 1.187 ug/L
RT: 13.36 min Scan# 1893
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

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

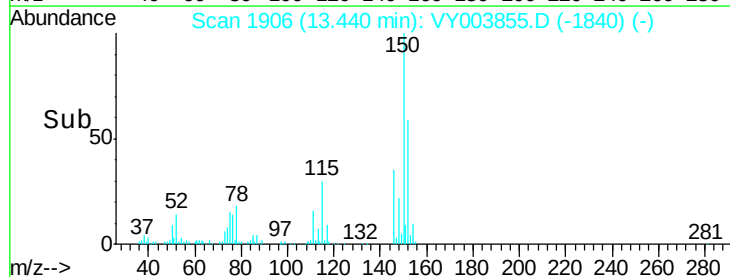
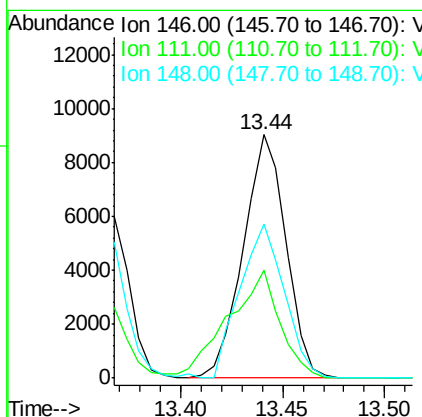
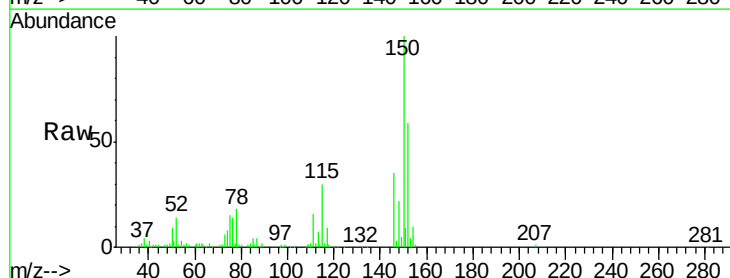
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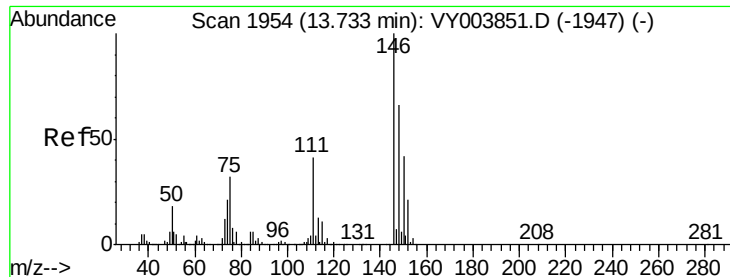
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#65
1,4-Dichlorobenzene
Concen: 1.199 ug/L
RT: 13.44 min Scan# 1906
Delta R.T. 0.00 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

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





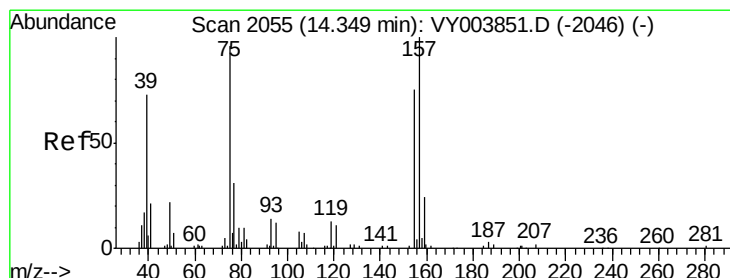
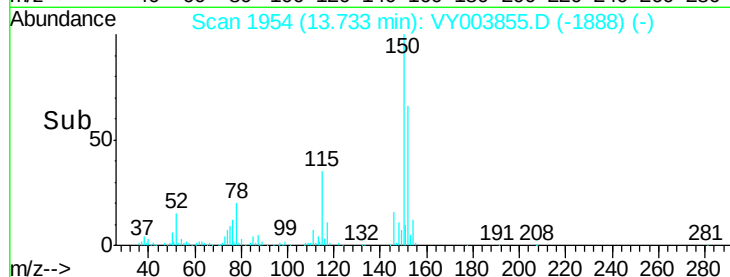
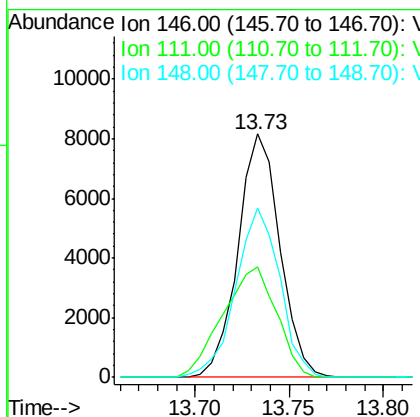
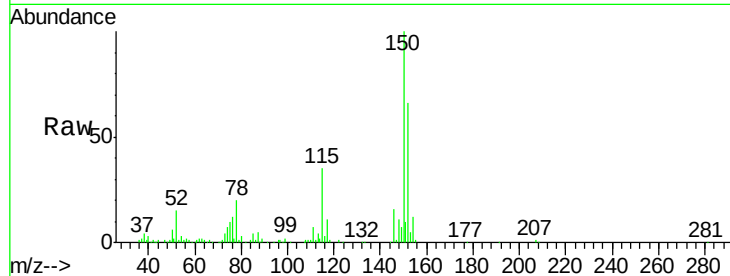
#67
 1,2-Dichlorobenzene
 Concen: 1.241 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

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

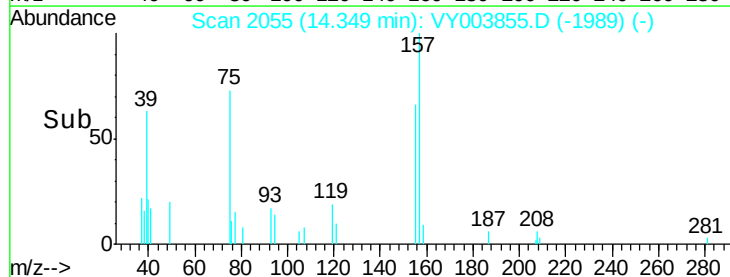
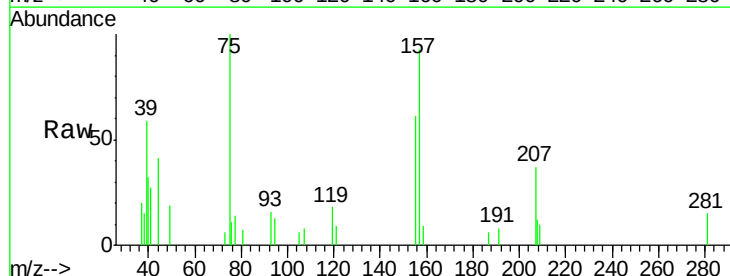
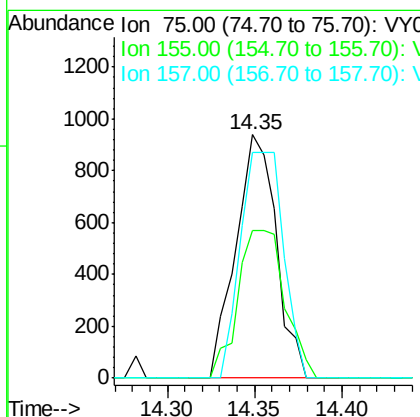
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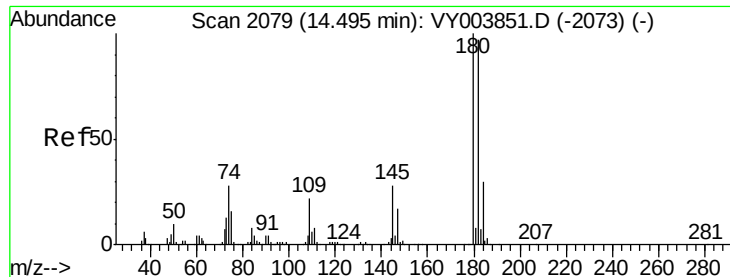
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.456 ug/L
 RT: 14.35 min Scan# 2055
 Delta R.T. 0.00 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

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





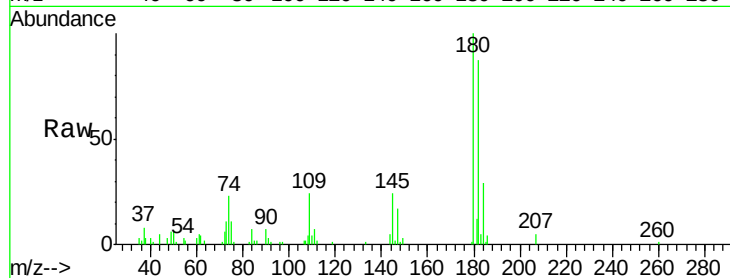
#69
 1,3,5-Trichlorobenzene
 Concen: 1.344 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VY003855.D
 Acq: 29 Dec 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

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

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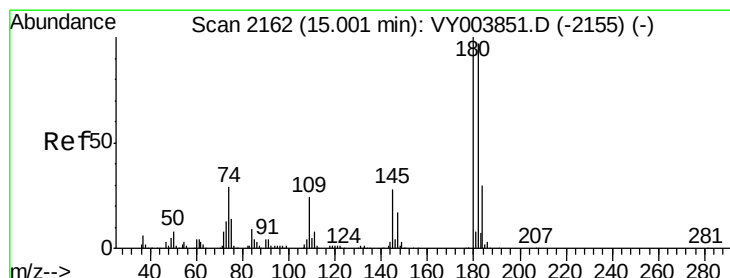
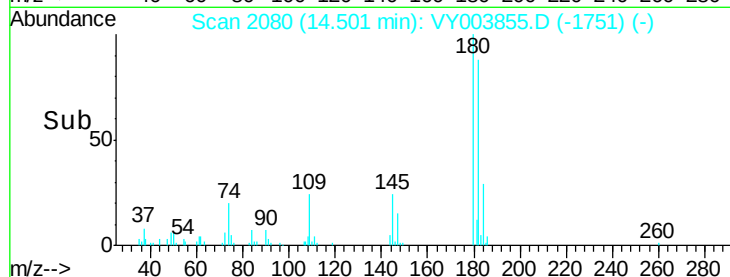
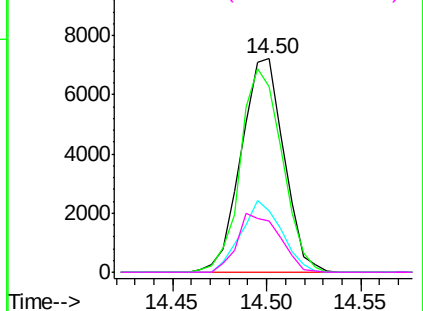


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

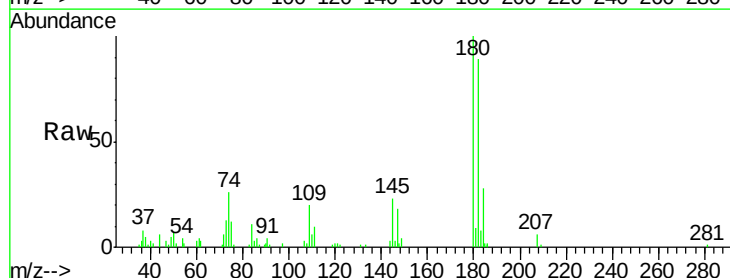
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



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

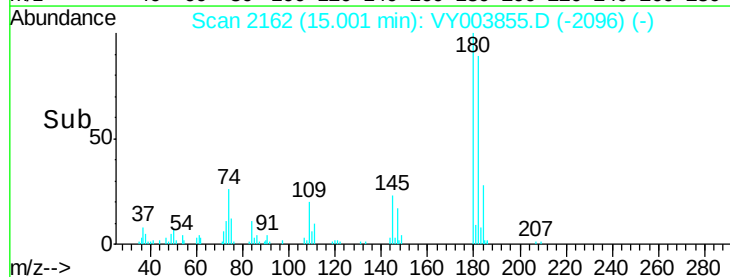
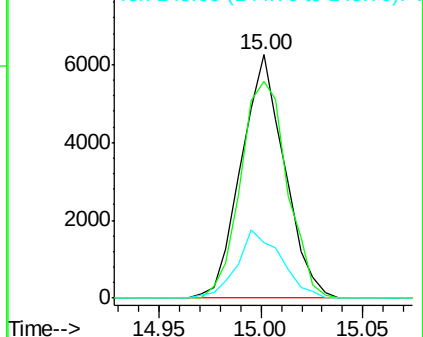
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	9271		
182	95.4	76.1	114.1	
145	28.2	22.6	33.8	

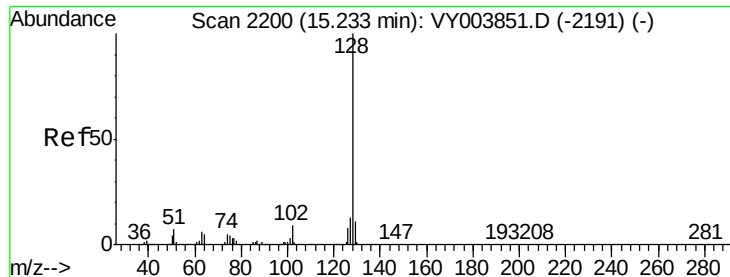


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





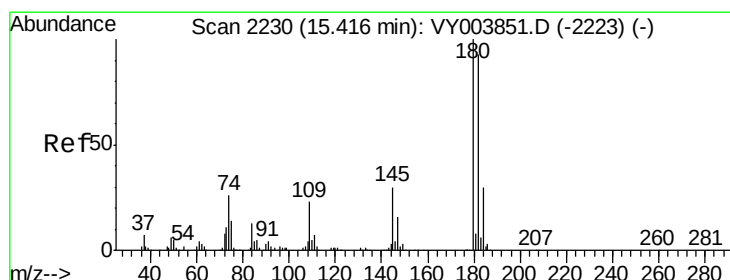
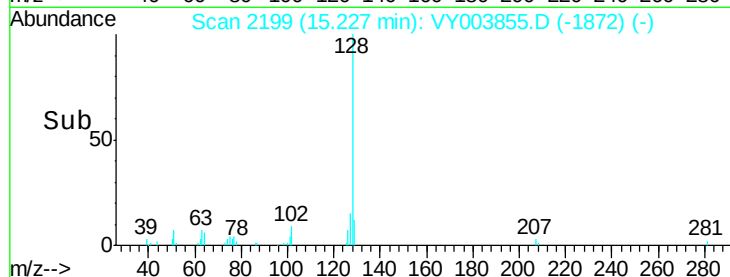
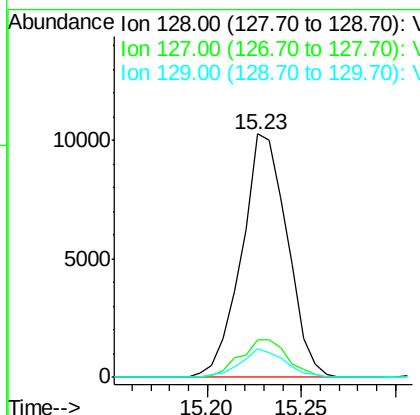
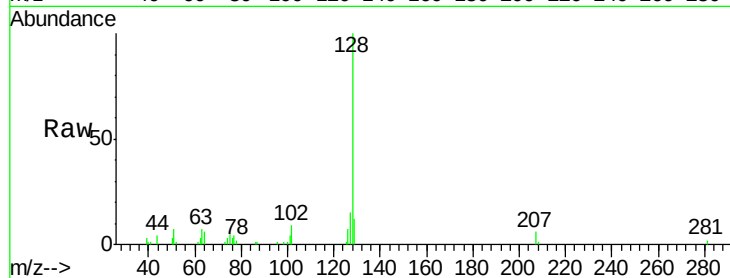
#71
Naphthalene
Concen: 1.151 ug/L
RT: 15.23 min Scan# 2199
Delta R.T. -0.01 min
Lab File: VY003855.D
Acq: 29 Dec 2020 16:44

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-01

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

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

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

