

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120720\
 Data File : VY003674.D
 Acq On : 07 Dec 2020 17:09
 Operator : SY/MD
 Sample : L4485-07
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

Manual Integrations
 APPROVED

MMDadoda
 12/8/2020 5:06:33 PM

Quant Time: Dec 08 01:15:19 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120720SMA.M

Quant Title : VOC Analysis

QLast Update : Tue Dec 08 01:06:10 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	242679	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	233549	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.43	152	116395	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	51840	20.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.04%
7) Chloroethane-d5	2.77	69	46168	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.08%
11) 1,1-Dichloroethene-d2	3.86	63	88464	16.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.60%
21) 2-Butanone-d5	6.90	46	64939	52.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.94%
24) Chloroform-d	7.49	84	127505	23.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	8.15	65	73420	24.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.24%
32) Benzene-d6	8.12	84	272885	23.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.36%
36) 1,2-Dichloropropane-d6	9.12	67	85087	24.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.84%
41) Toluene-d8	10.18	98	246236	23.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.64%
43) trans-1,3-Dichloropropene-	10.44	79	39664	23.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.12%
47) 2-Hexanone-d5	10.79	63	52161	52.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.90%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	79797	24.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.32%
66) 1,2-Dichlorobenzene-d4	13.72	152	96183	25.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	3281	1.292 ug/L	95
3) Chloromethane	2.12	50	3601	1.236 ug/L	92
5) Vinyl chloride	2.26	62	3717	1.265 ug/L #	65
6) Bromomethane	2.66	94	2266	1.199 ug/L	86
8) Chloroethane	2.81	64	2255	1.228 ug/L	99
9) Trichlorofluoromethane	3.14	101	5393	1.171 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	3.92	101	4761m	1.570 ug/L	
12) 1,1-Dichloroethene	3.88	96	4019	1.392 ug/L #	1
13) Acetone	3.97	43	2593m	3.085 ug/L	
14) Carbon disulfide	4.21	76	10533	1.127 ug/L	95
15) Methyl Acetate	4.50	43	2638m	1.239 ug/L	
16) Methylene chloride	4.73	84	10807	2.547 ug/L	97
17) trans-1,2-Dichloroethene	5.23	96	3913m	1.215 ug/L	
18) Methyl tert-butyl Ether	5.25	73	9656	1.187 ug/L #	81
19) 1,1-Dichloroethane	6.03	63	6513	1.217 ug/L	94
20) cis-1,2-Dichloroethene	7.00	96	4162	1.206 ug/L	94
22) 2-Butanone	7.01	43	4474	3.011 ug/L	96

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Quant Time: Dec 08 01:15:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120720SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 08 01:06:10 2020
 Response via : Initial Calibration

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

23) Bromochloromethane	7.34	128	1860	1.083	ug/L #	79
25) Chloroform	7.51	83	7667m	1.404	ug/L	
27) 1,2-Dichloroethane	8.25	62	4654	1.269	ug/L #	87
29) Cyclohexane	7.80	56	5006	1.005	ug/L #	84
30) 1,1,1-Trichloroethane	7.70	97	5657	1.164	ug/L #	38
31) Carbon tetrachloride	7.90	117	5320	1.209	ug/L	96
33) Benzene	8.17	78	17719	1.342	ug/L	100
34) Trichloroethene	8.95	95	4526	1.273	ug/L	96
35) Methylcyclohexane	9.19	83	6013	1.074	ug/L	96
37) 1,2-Dichloropropane	9.22	63	3812	1.155	ug/L #	93
38) Bromodichloromethane	9.50	83	4817	1.141	ug/L #	90
39) cis-1,3-Dichloropropene	9.93	75	5840	1.122	ug/L	98
40) 4-Methyl-2-pentanone	10.08	43	7304	2.445	ug/L	99
42) Toluene	10.25	91	16435	1.168	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	5396	1.113	ug/L	95
45) 1,1,2-Trichloroethane	10.65	97	3283	1.139	ug/L	89
46) Tetrachloroethene	10.72	164	3727	1.305	ug/L	97
48) 2-Hexanone	10.83	43	5249	2.520	ug/L #	95
49) Dibromochloromethane	10.99	129	3819	1.150	ug/L	92
50) 1,2-Dibromoethane	11.09	107	3252	1.170	ug/L #	97
51) Chlorobenzene	11.52	112	10727	1.154	ug/L	92
52) Ethylbenzene	11.59	91	16707	1.101	ug/L	96
53) m,p-Xylene	11.70	106	6637	1.118	ug/L	87
54) o-Xylene	12.03	106	6361	1.121	ug/L	97
55) Styrene	12.04	104	10084	1.041	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.58	83	4386	1.403	ug/L #	97
59) Bromoform	12.21	173	2660	1.226	ug/L #	89
60) Isopropylbenzene	12.33	105	15447	1.091	ug/L	98
61) 1,2,3-Trichloropropane	12.64	75	3409	1.313	ug/L	96
62) 1,3,5-Trimethylbenzene	12.81	105	12067	1.075	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	12088	1.084	ug/L	97
64) 1,3-Dichlorobenzene	13.37	146	8404	1.225	ug/L	93
65) 1,4-Dichlorobenzene	13.45	146	9075	1.306	ug/L	93
67) 1,2-Dichlorobenzene	13.74	146	8253	1.293	ug/L	95
68) 1,2-Dibromo-3-chloropropan	14.35	75	856m	1.501	ug/L	
69) 1,3,5-Trichlorobenzene	14.51	180	6341	1.304	ug/L	95
70) 1,2,4-trichlorobenzene	15.01	180	4912	1.188	ug/L	96
71) Naphthalene	15.23	128	9204	1.049	ug/L #	96
72) 1,2,3-Trichlorobenzene	15.43	180	5082	1.341	ug/L	94

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

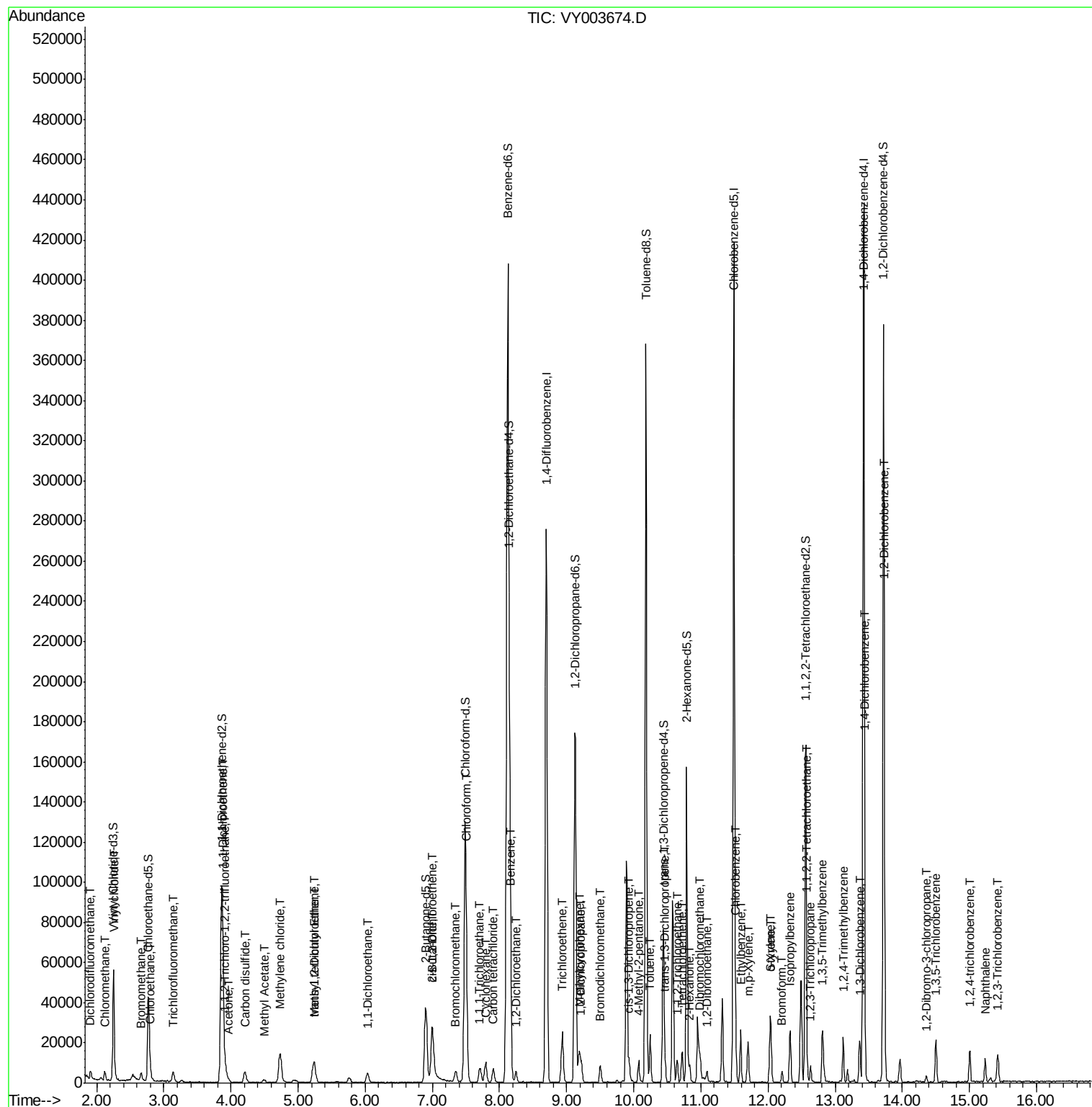
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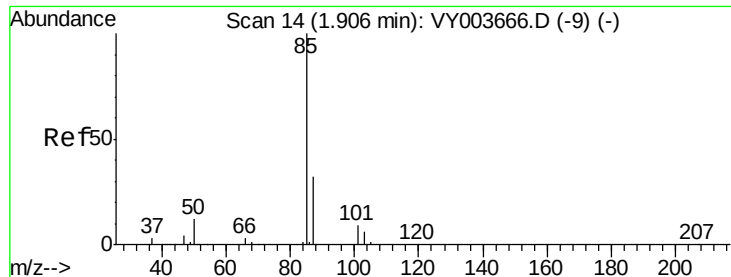
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-07

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.292 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003674.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-07

Tot Ion: 85 Resp: 3281

Ion Ratio Lower Upper

85 100

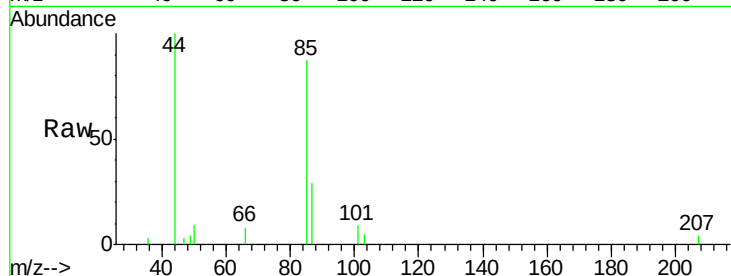
87 28.6 25.1 37.7

Manual Integrations

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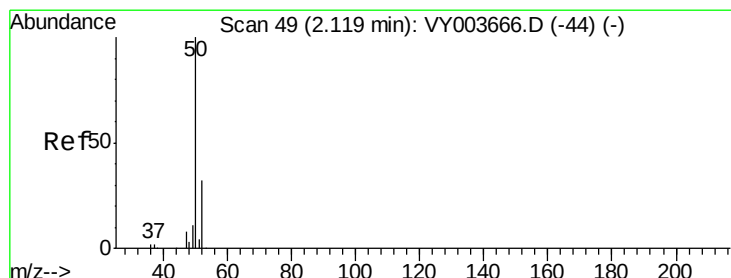
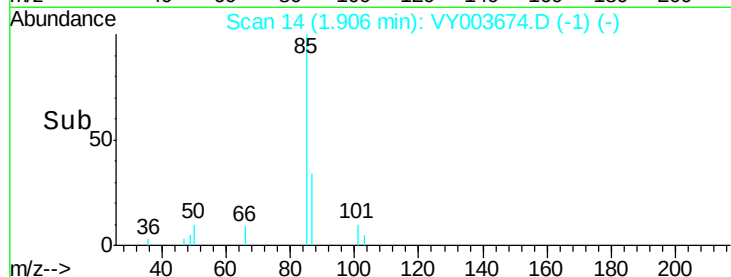
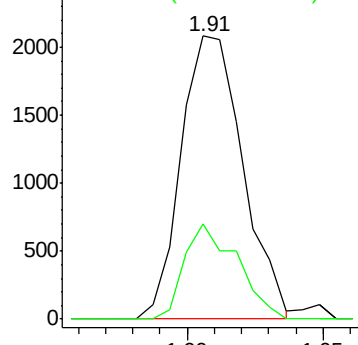
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Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 1.236 ug/L

RT: 2.12 min Scan# 49

Delta R.T. -0.00 min

Lab File: VY003674.D

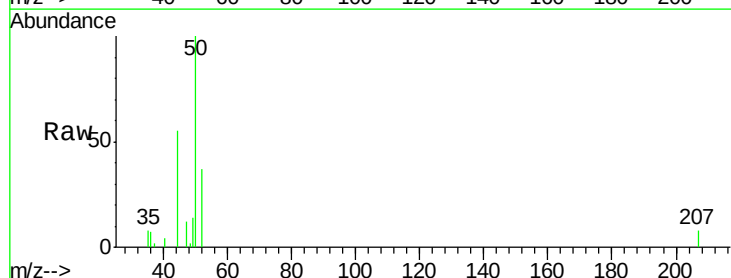
Acq: 07 Dec 2020 17:09

Tgt Ion: 50 Resp: 3601

Ion Ratio Lower Upper

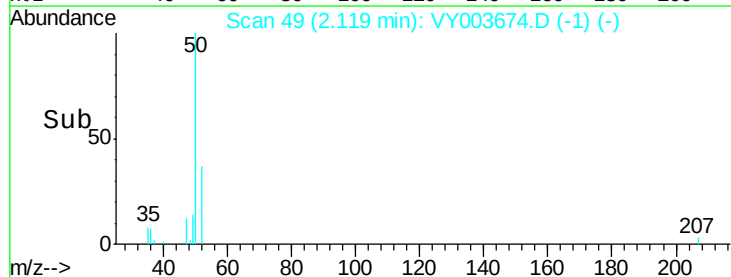
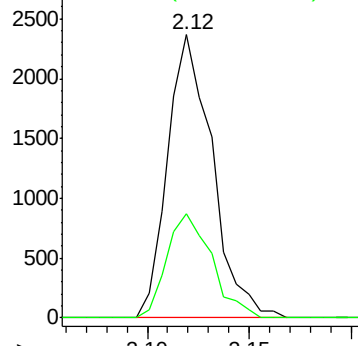
50 100

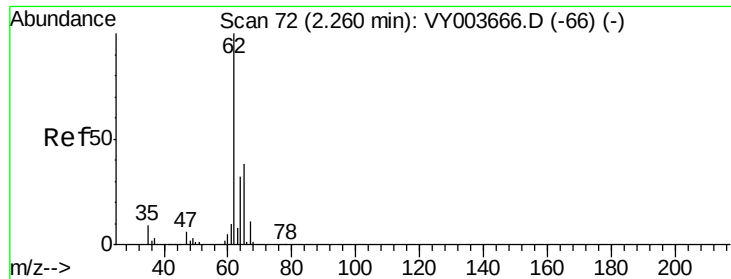
52 36.7 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 1.265 ug/L

RT: 2.26 min Scan# 72

Delta R.T. -0.00 min

Lab File: VY003674.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-07

Tot Ion: 62 Resp: 3717

Ion Ratio Lower Upper

62 100

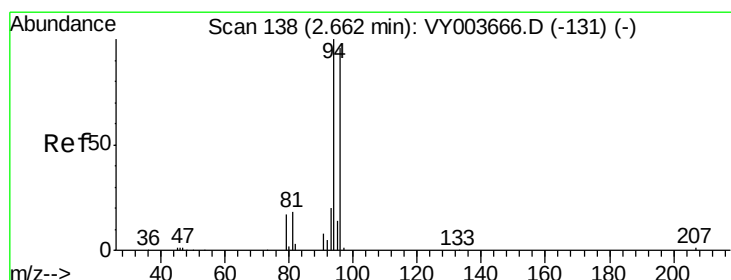
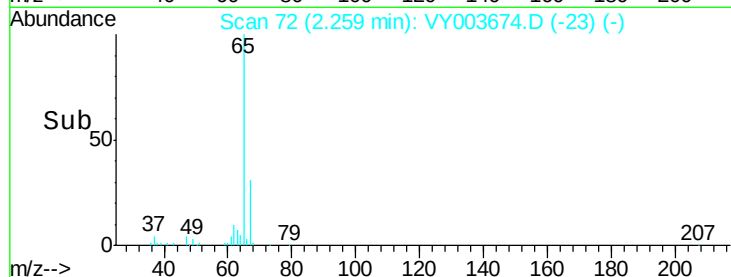
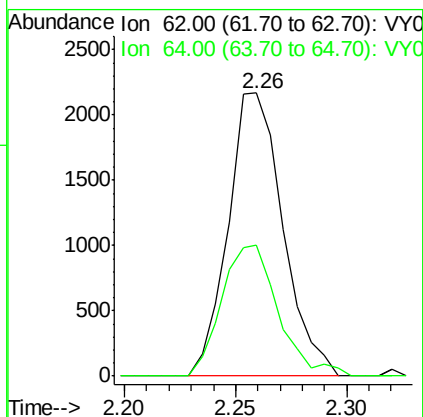
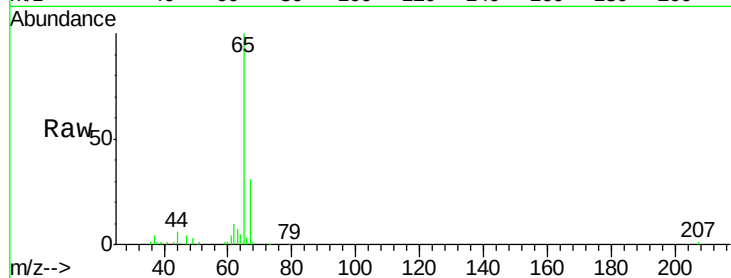
64 46.3 19.6 36.4#

Manual Integrations

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#6

Bromomethane

Concen: 1.199 ug/L

RT: 2.66 min Scan# 138

Delta R.T. -0.00 min

Lab File: VY003674.D

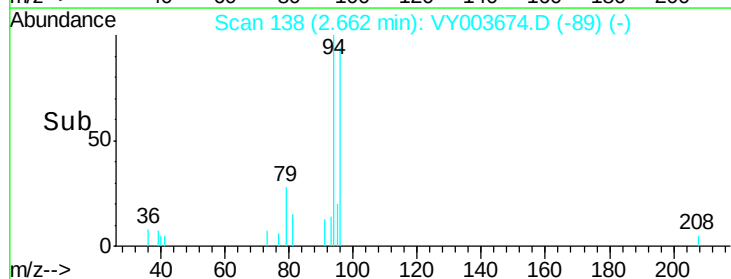
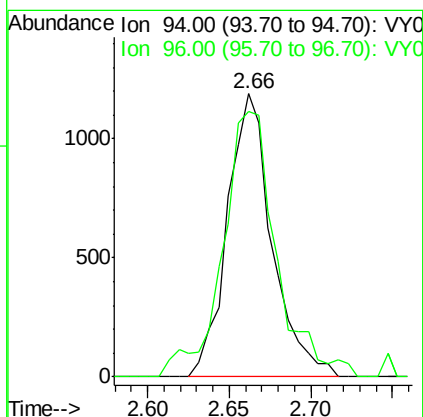
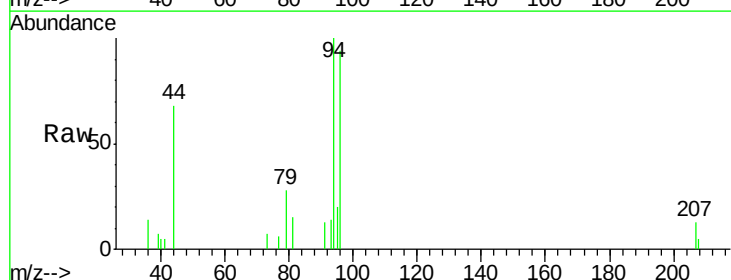
Acq: 07 Dec 2020 17:09

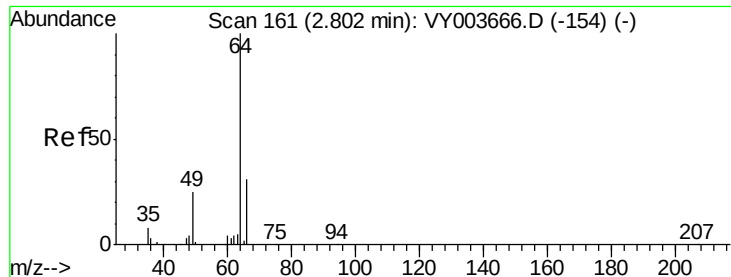
Tgt Ion: 94 Resp: 2266

Ion Ratio Lower Upper

94 100

96 93.6 56.6 105.2





#8

Chloroethane

Concen: 1.228 ug/L

RT: 2.81 min Scan# 162

Delta R.T. 0.01 min

Lab File: VY003674.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-07

Tot Ion: 64 Resp: 2255

Ion Ratio Lower Upper

64 100

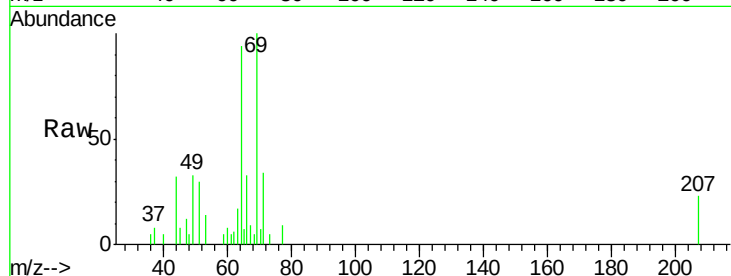
66 35.3 24.4 45.2

Manual Integrations

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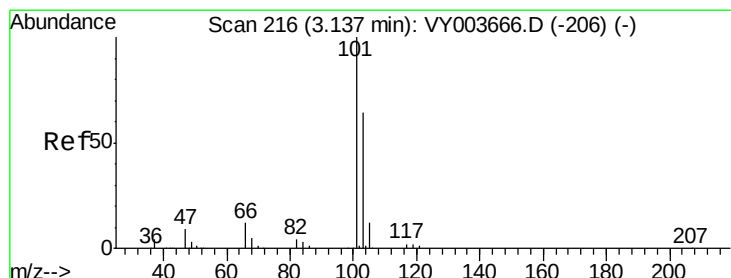
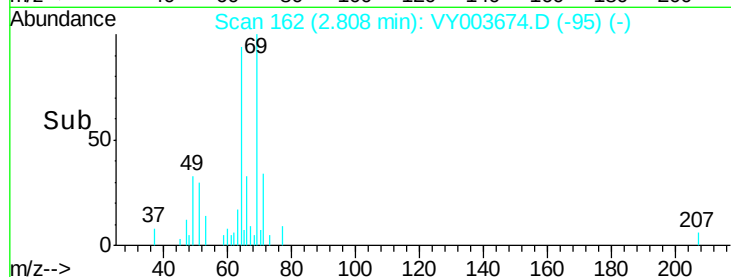
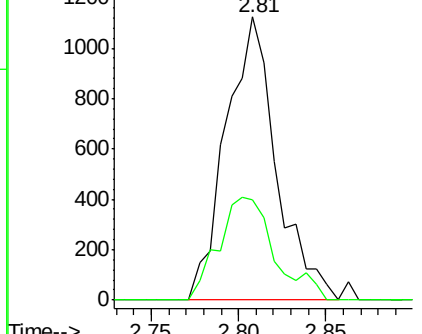
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Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



#9

Trichlorofluoromethane

Concen: 1.171 ug/L

RT: 3.14 min Scan# 217

Delta R.T. 0.01 min

Lab File: VY003674.D

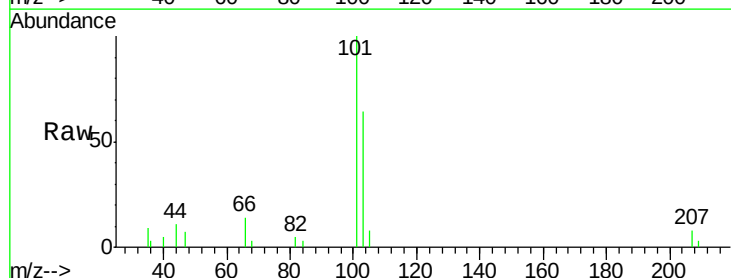
Acq: 07 Dec 2020 17:09

Tgt Ion: 101 Resp: 5393

Ion Ratio Lower Upper

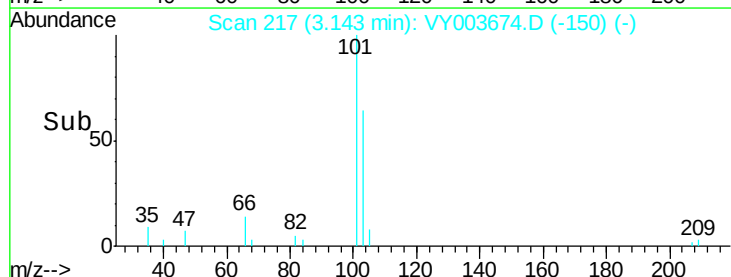
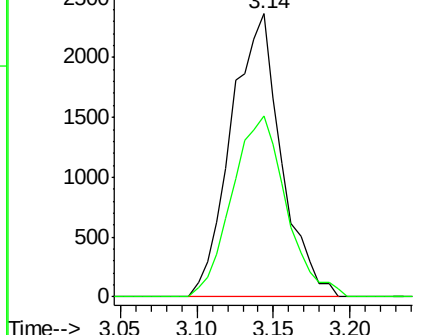
101 100

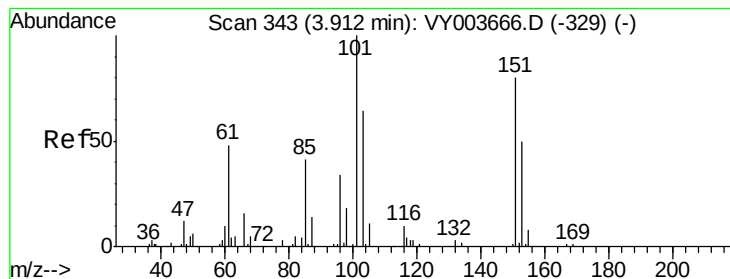
103 68.9 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 1.570 ug/L m

RT: 3.92 min Scan# 344

Delta R.T. 0.01 min

Lab File: VY003674.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

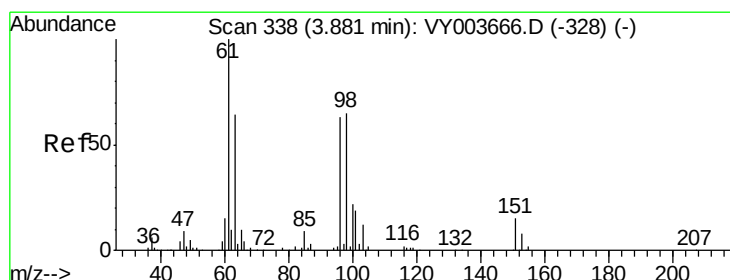
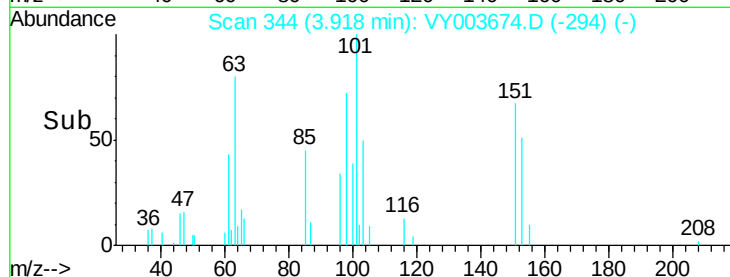
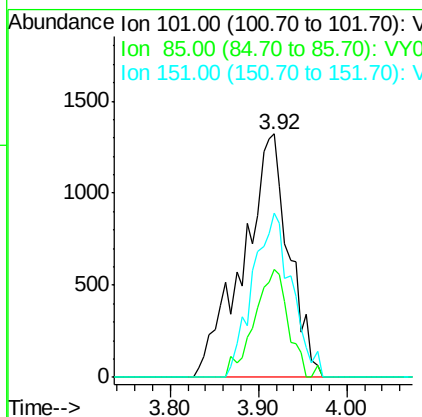
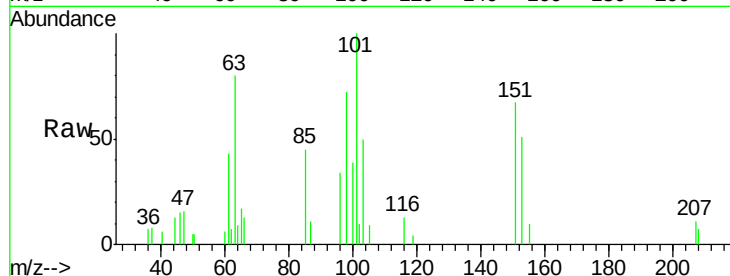
ClientSampleId :

MDL-SOIL-07

Tot Ion:	101	Resp:	4761
Ion Ratio	Lower	Upper	
101	100		
85	31.1	35.1	52.7#
151	56.6	39.9	59.9

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.392 ug/L

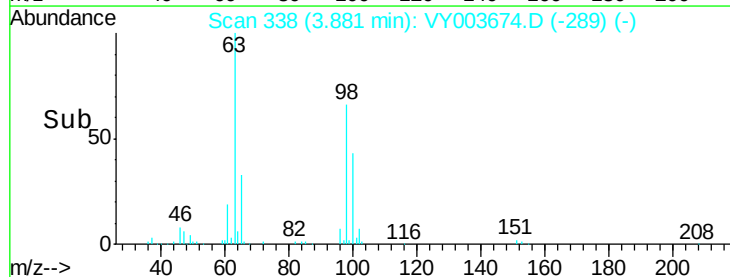
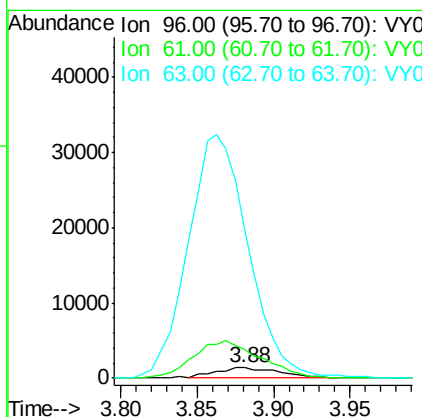
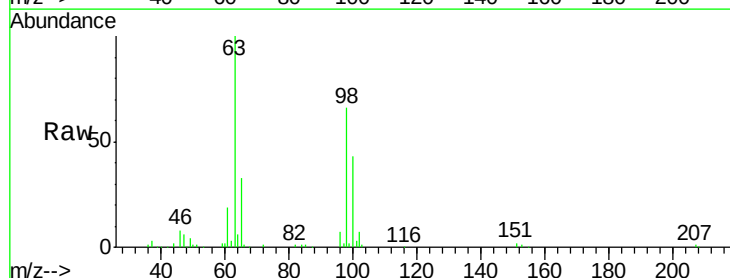
RT: 3.88 min Scan# 338

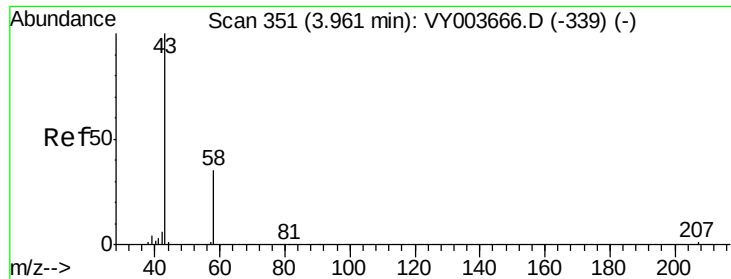
Delta R.T. -0.00 min

Lab File: VY003674.D

Acq: 07 Dec 2020 17:09

Tgt Ion:	96	Resp:	4019
Ion Ratio	Lower	Upper	
96	100		
61	270.8	108.6	201.8#
63	1409.6	61.0	113.2#





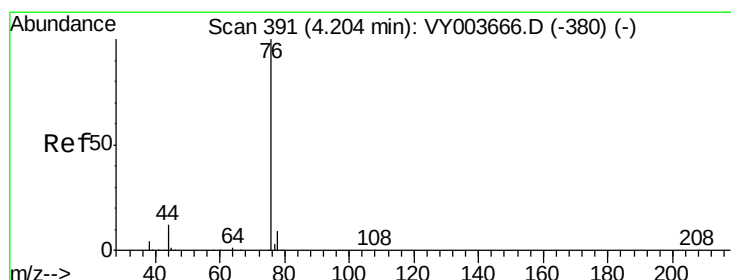
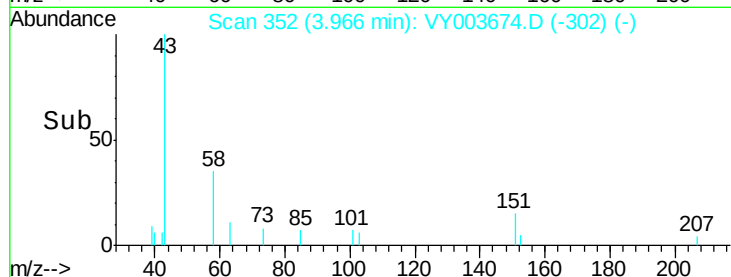
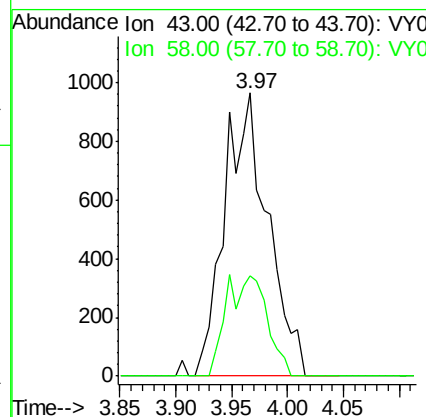
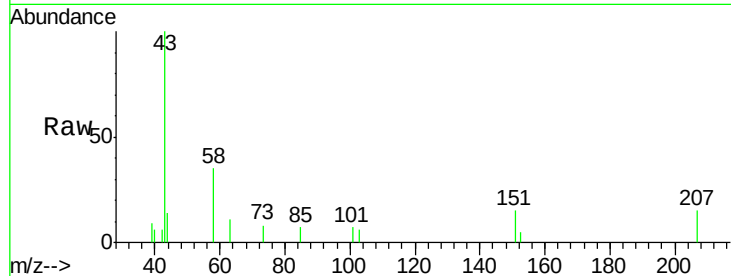
#13
Acetone
Concen: 3.085 ug/L m
RT: 3.97 min Scan# 352
Delta R.T. 0.01 min
Lab File: VY003674.D
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Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-07

Tot Ion: 43 Resp: 2593
Ion Ratio Lower Upper
43 100
58 21.6 0.0 30.8

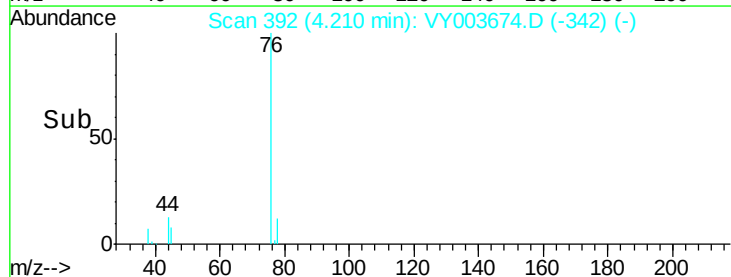
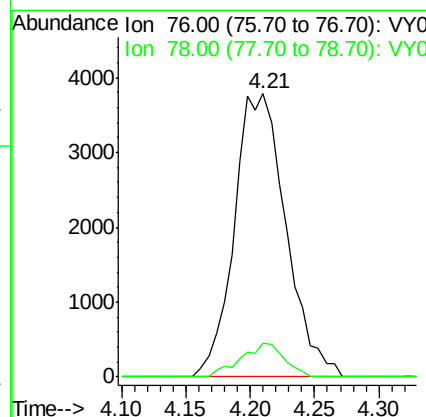
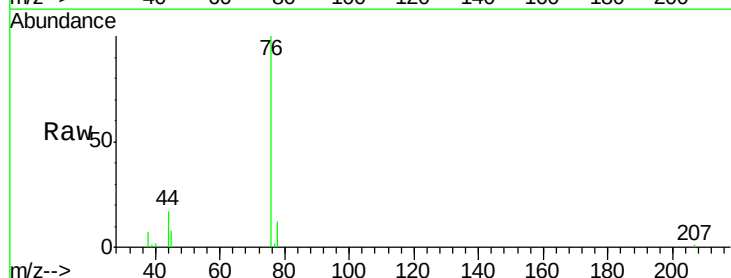
Manual Integrations
APPROVED

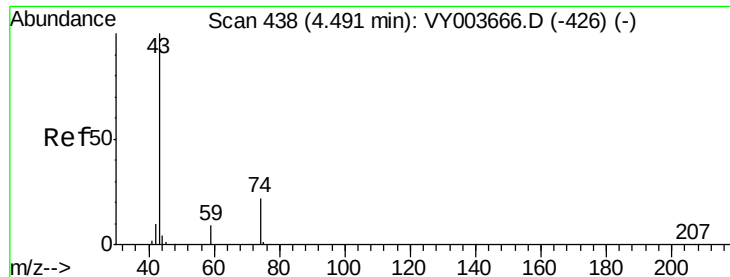
MMDadoda
12/8/2020 5:06:33 PM



#14
Carbon disulfide
Concen: 1.127 ug/L
RT: 4.21 min Scan# 392
Delta R.T. 0.01 min
Lab File: VY003674.D
Acq: 07 Dec 2020 17:09

Tgt Ion: 76 Resp: 10533
Ion Ratio Lower Upper
76 100
78 11.7 7.8 11.8





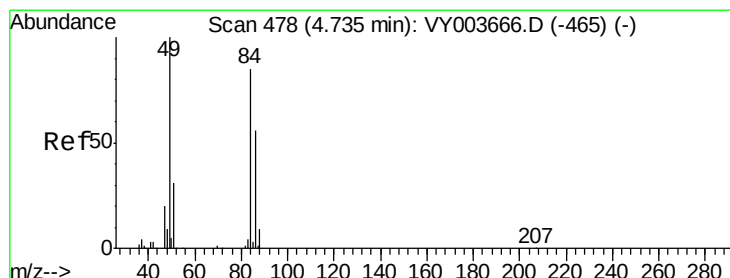
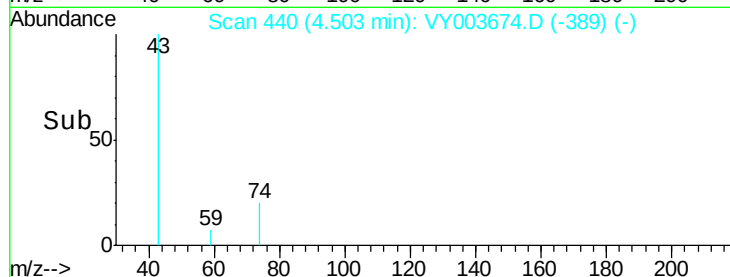
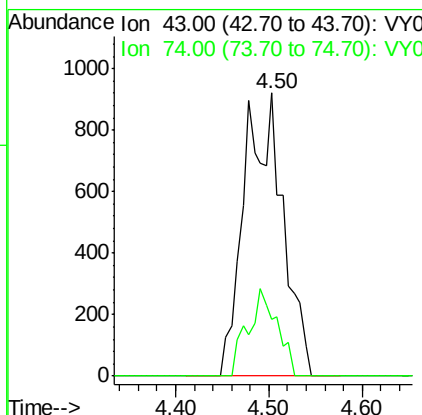
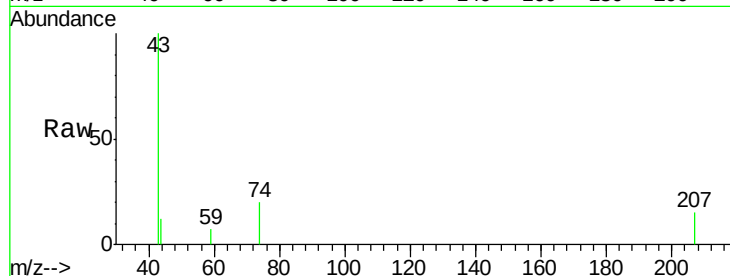
#15
Methvl Acetate
Concen: 1.239 ug/L m
RT: 4.50 min Scan# 440
Delta R.T. 0.01 min
Lab File: VY003674.D
Acq: 07 Dec 2020 17:09

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-07

Tot Ion: 43 Resp: 2638
Ion Ratio Lower Upper
43 100
74 17.6 13.4 20.2

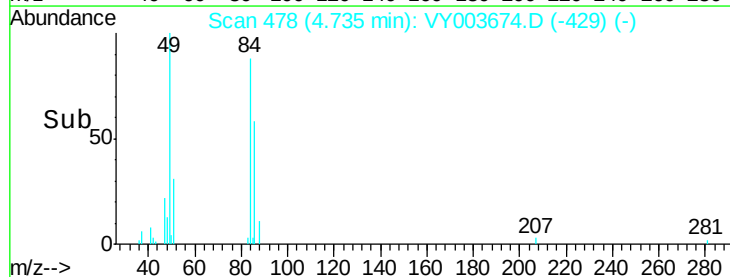
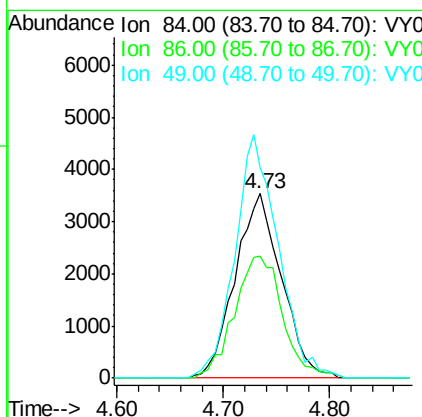
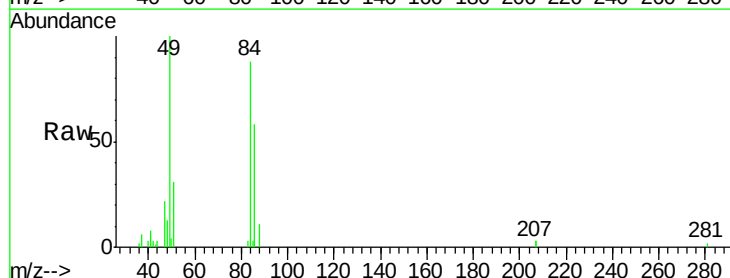
Manual Integrations
APPROVED

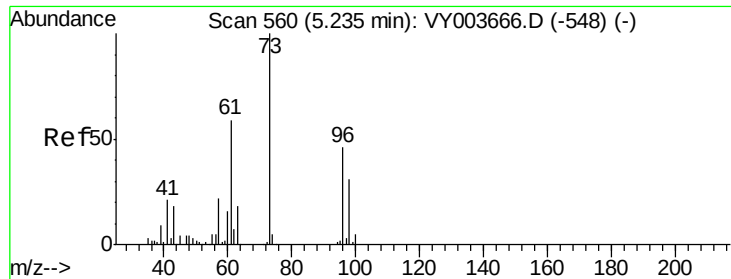
MMDadoda
12/8/2020 5:06:33 PM



#16
Methylene chloride
Concen: 2.547 ug/L
RT: 4.73 min Scan# 478
Delta R.T. -0.00 min
Lab File: VY003674.D
Acq: 07 Dec 2020 17:09

Tgt Ion: 84 Resp: 10807
Ion Ratio Lower Upper
84 100
86 66.1 45.2 84.0
49 114.1 83.1 154.3





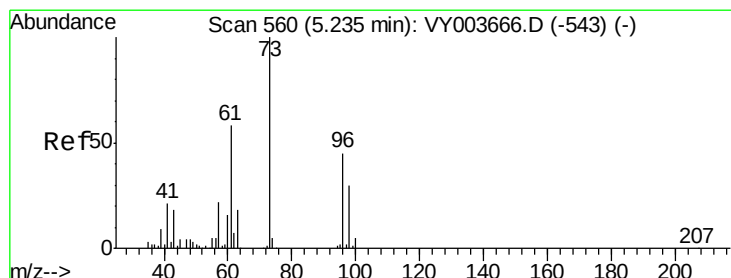
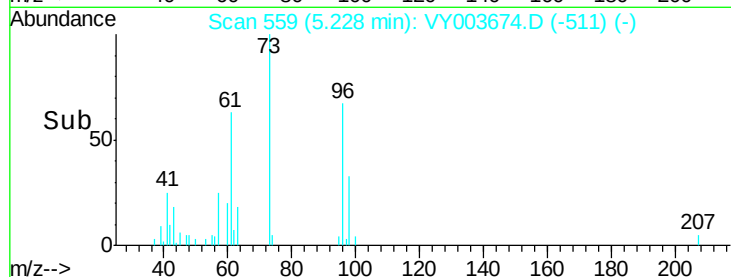
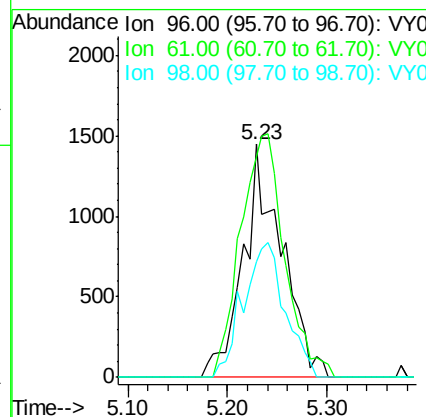
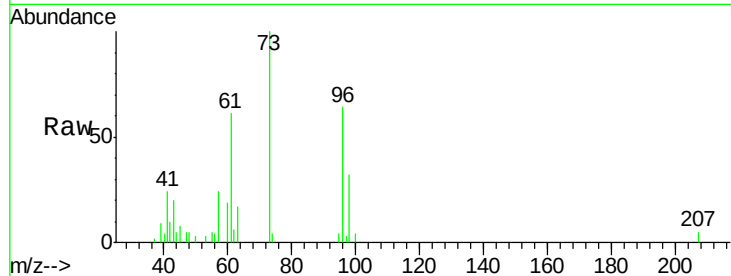
#17
trans-1,2-Dichloroethene
Concen: 1.215 ug/L m
RT: 5.23 min Scan# 559
Delta R.T. -0.01 min
Lab File: VY003674.D
Acq: 07 Dec 2020 17:09

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Resp	Lower	Upper
96	100	3913		
61	94.5		91.8	170.6
98	49.7		44.7	82.9

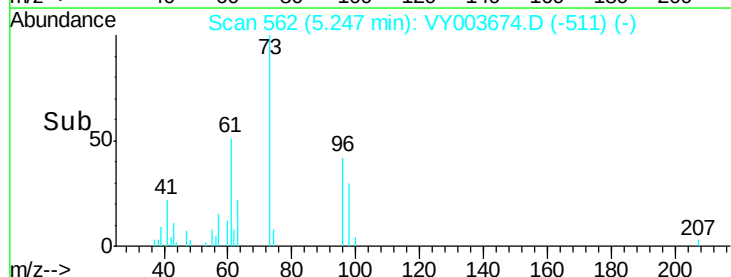
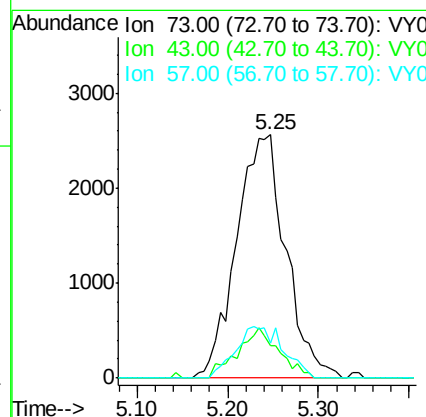
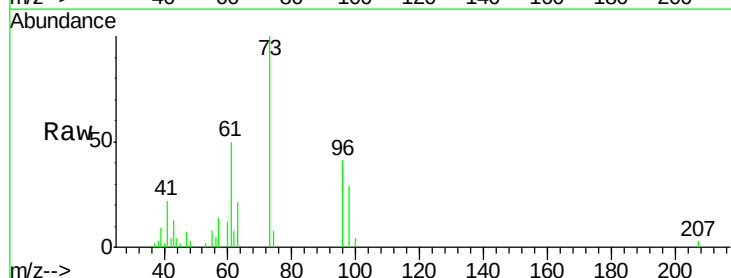
Manual Integrations
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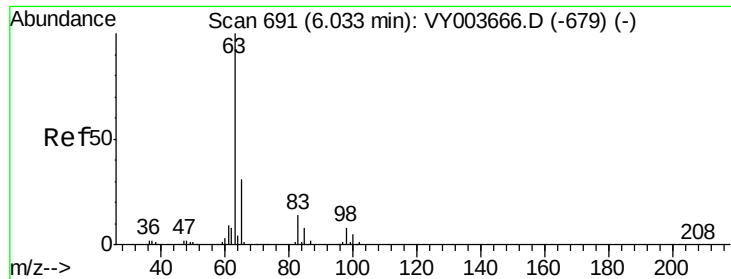
MMDadoda
12/8/2020 5:06:33 PM



#18
Methyl tert-butyl Ether
Concen: 1.187 ug/L
RT: 5.25 min Scan# 562
Delta R.T. 0.01 min
Lab File: VY003674.D
Acq: 07 Dec 2020 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
73	100	9656		
43	16.3		10.2	15.4#
57	10.8		18.3	27.5#





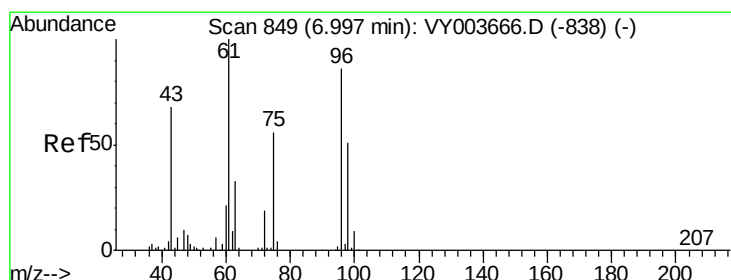
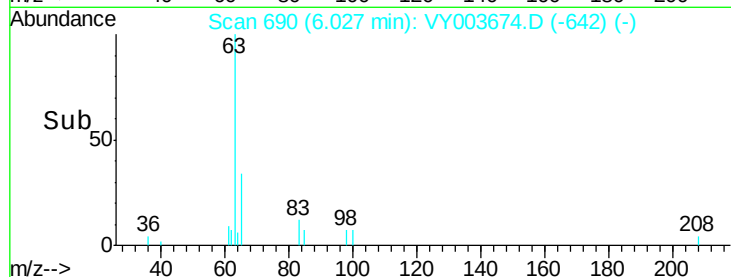
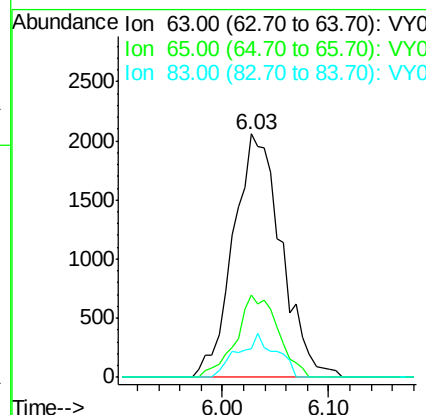
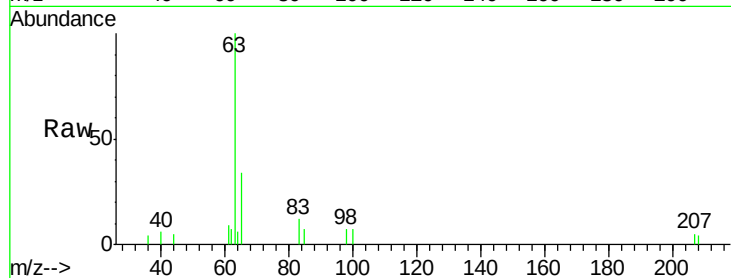
#19
 1,1-Dichloroethane
 Concen: 1.217 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

Tot Ion:	63	Resp:	6513
Ion	Ratio	Lower	Upper
63	100		
65	33.8	20.4	38.0
83	11.9	8.6	16.0

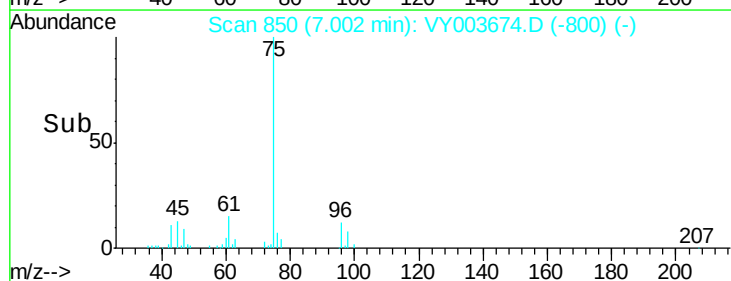
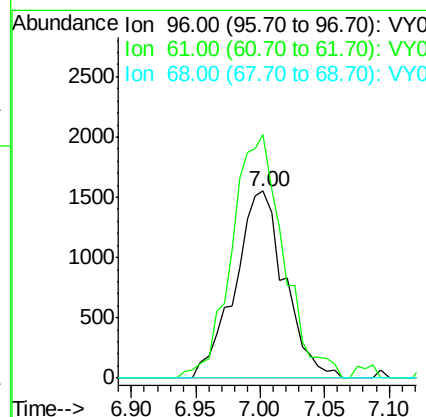
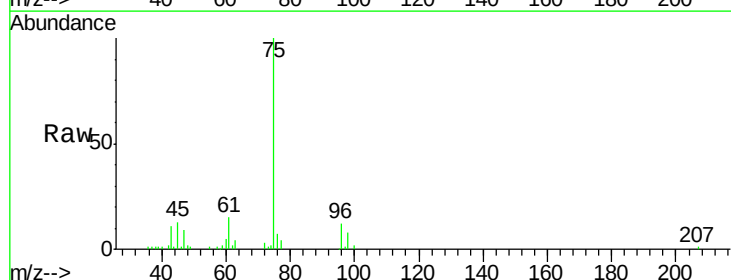
Manual Integrations
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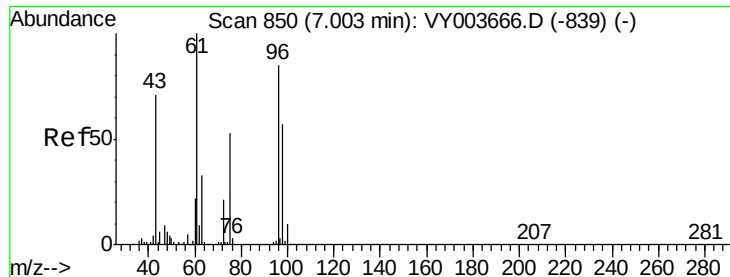
MMDadoda
 12/8/2020 5:06:33 PM



#20
 cis-1,2-Dichloroethene
 Concen: 1.206 ug/L
 RT: 7.00 min Scan# 850
 Delta R.T. 0.01 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Tgt Ion:	96	Resp:	4162
Ion	Ratio	Lower	Upper
96	100		
61	130.1	96.3	178.9
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.011 ug/L

RT: 7.01 min Scan# 851

Delta R.T. 0.01 min

Lab File: VY003674.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-07

Tot Ion: 43 Resp: 4474

Ion Ratio Lower Upper

43 100

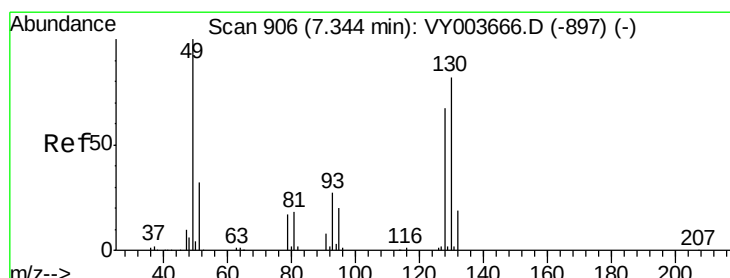
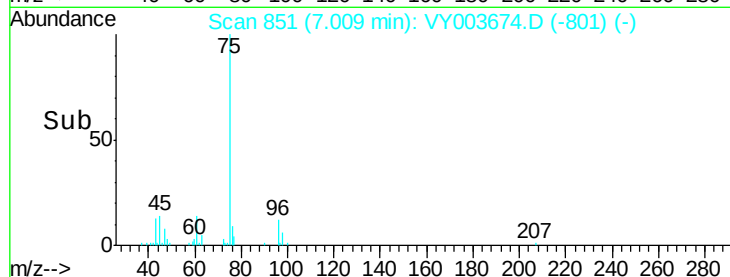
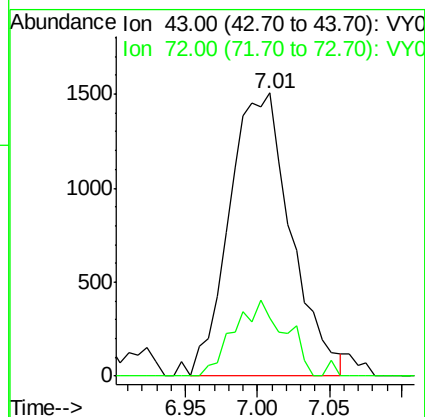
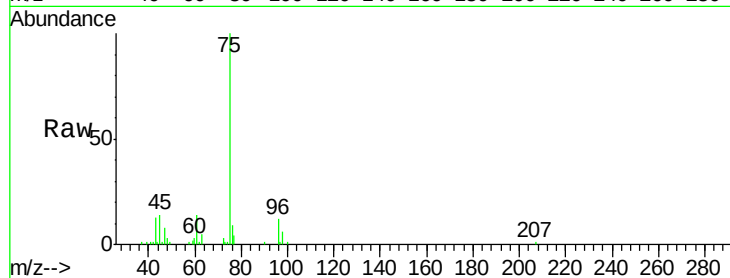
72 19.6 10.8 32.4

Manual Integrations

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MMDadoda

12/8/2020 5:06:33 PM



#23

Bromochloromethane

Concen: 1.083 ug/L

RT: 7.34 min Scan# 906

Delta R.T. -0.00 min

Lab File: VY003674.D

Acq: 07 Dec 2020 17:09

Tgt Ion:128 Resp: 1860

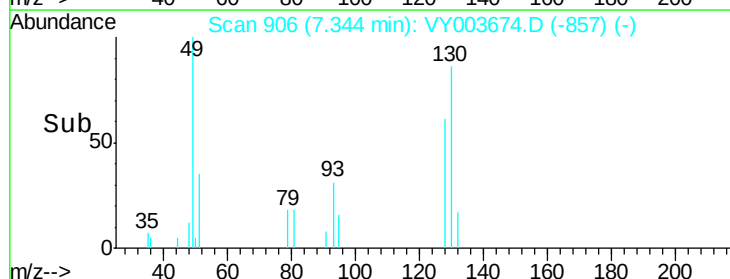
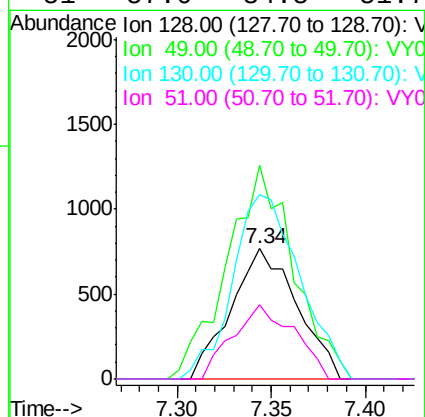
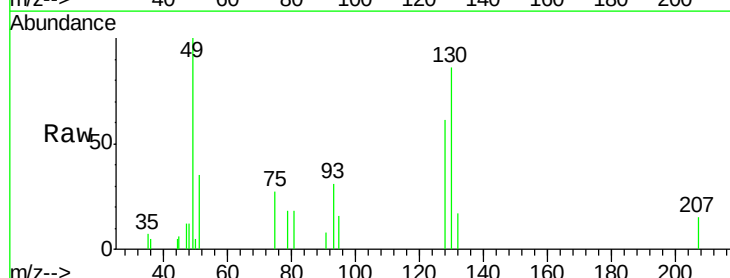
Ion Ratio Lower Upper

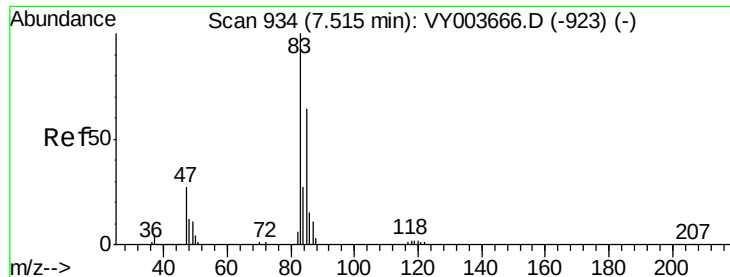
128 100

49 164.2 100.8 187.2

130 141.5 78.2 145.2

51 57.0 34.5 51.7#





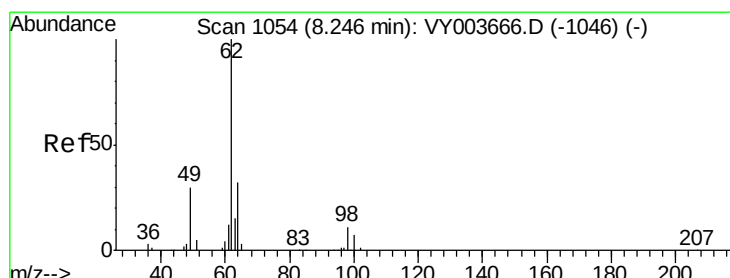
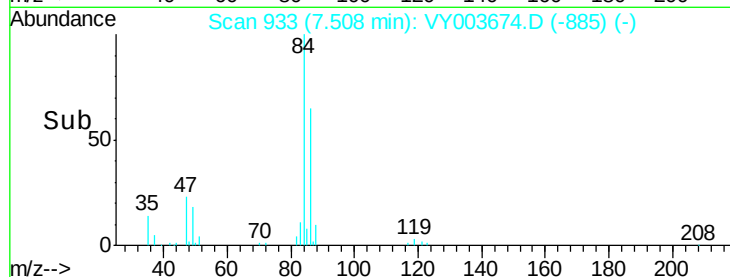
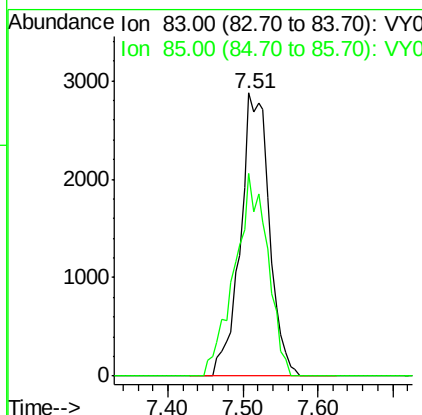
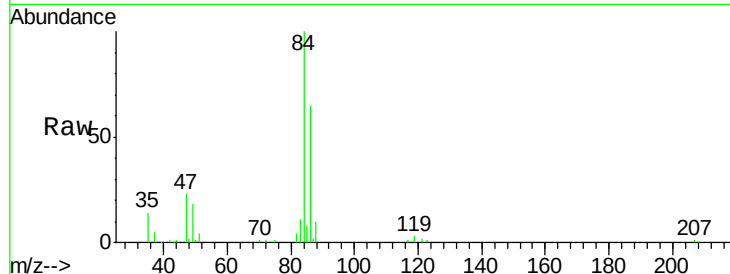
#25
Chloroform
Concen: 1.404 ug/L m
RT: 7.51 min Scan# 933
Delta R.T. -0.01 min
Lab File: VY003674.D
Acq: 07 Dec 2020 17:09

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-07

Tot Ion	83	Resp	7667
Ion Ratio	100	Lower	Upper
85	71.8	46.6	86.6

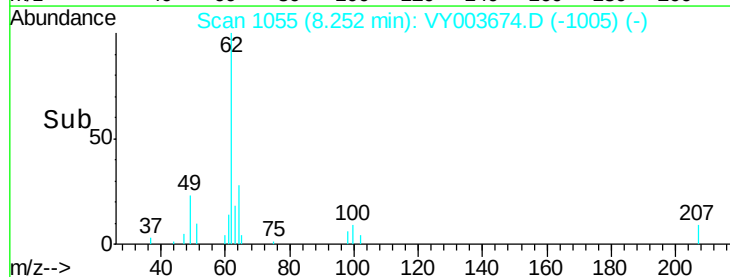
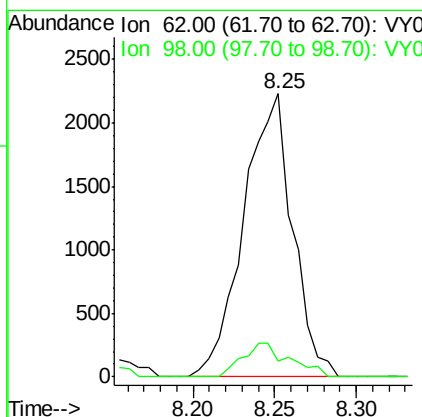
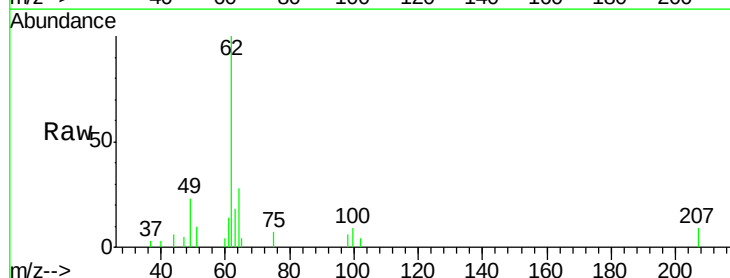
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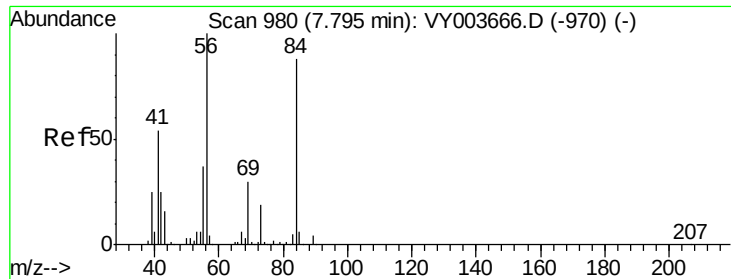
MMDadoda
12/8/2020 5:06:33 PM



#27
1,2-Dichloroethane
Concen: 1.269 ug/L
RT: 8.25 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY003674.D
Acq: 07 Dec 2020 17:09

Tgt Ion	62	Resp	4654
Ion Ratio	100	Lower	Upper
98	5.5	8.3	12.5#





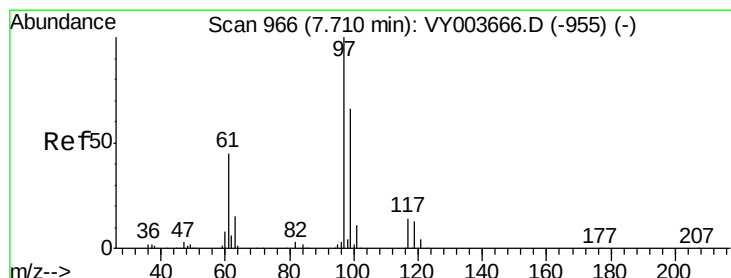
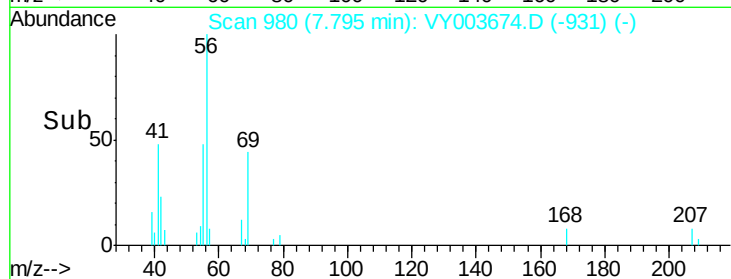
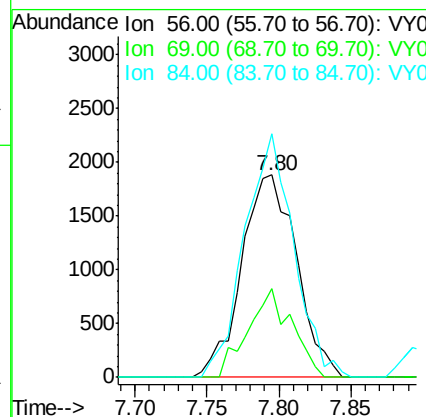
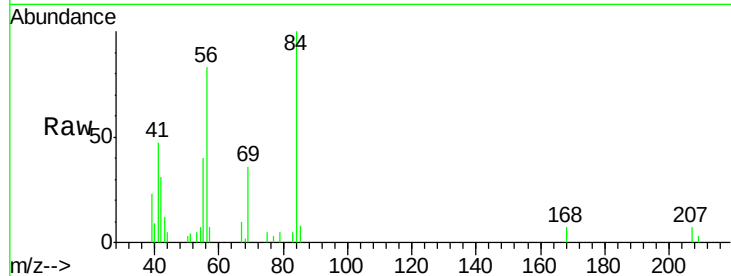
#29
Cyclohexane
Concen: 1.005 ug/L
RT: 7.80 min Scan# 980
Delta R.T. -0.00 min
Lab File: VY003674.D
Acq: 07 Dec 2020 17:09

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	25.1	37.7
84	105.9	70.6	105.8#

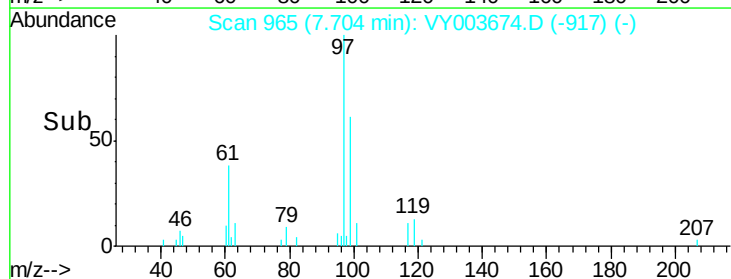
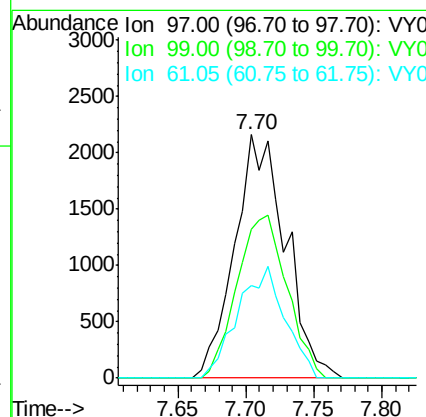
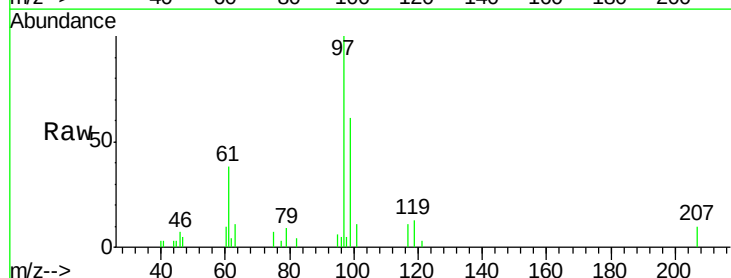
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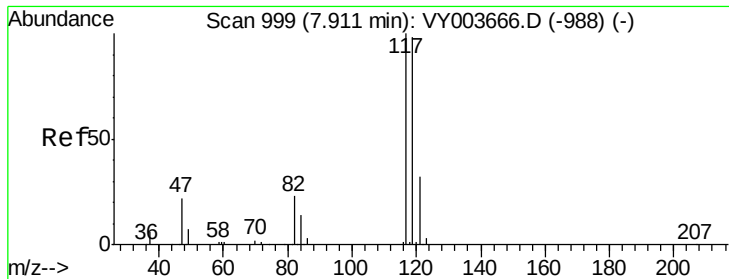
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 1.164 ug/L
RT: 7.70 min Scan# 965
Delta R.T. -0.01 min
Lab File: VY003674.D
Acq: 07 Dec 2020 17:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.4#
61	22.4	34.6	51.8#





#31

Carbon tetrachloride

Concen: 1.209 ug/L

RT: 7.90 min Scan# 998

Delta R.T. -0.01 min

Lab File: VY003674.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-07

Tot Ion:117 Resp: 5320

Ion Ratio Lower Upper

117 100

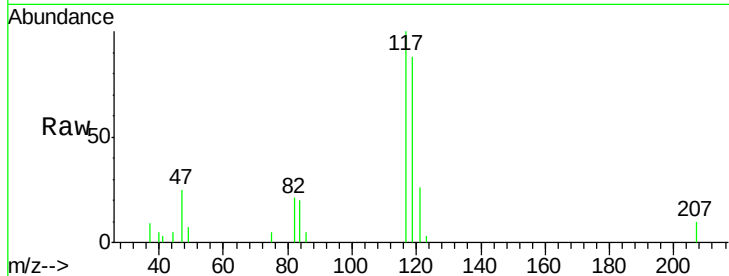
119 86.7 72.6 109.0

Manual Integrations

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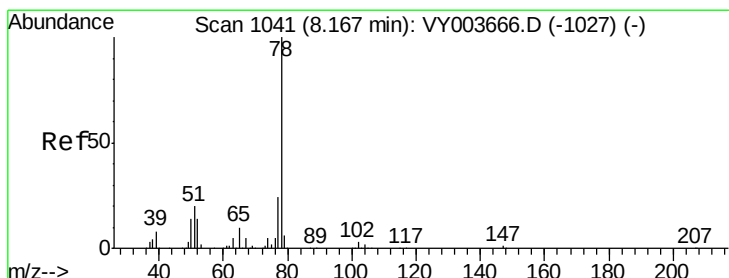
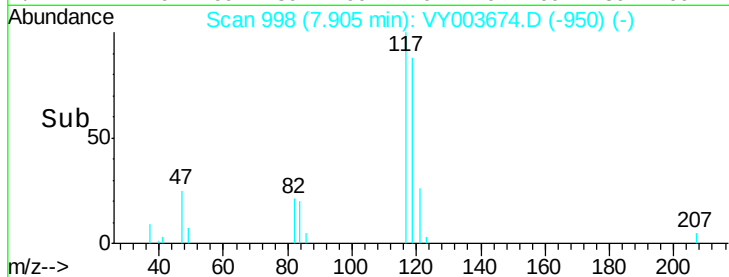
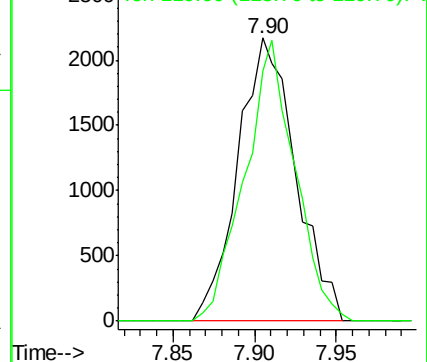
MMDadoda

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 1.342 ug/L

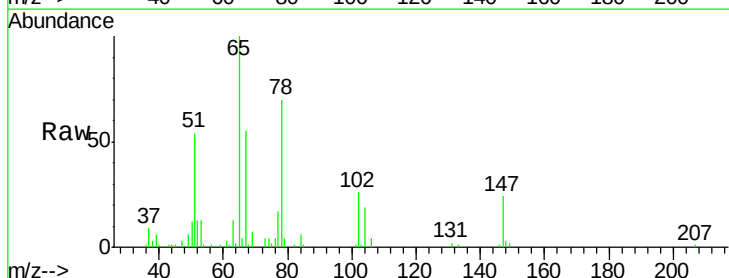
RT: 8.17 min Scan# 1042

Delta R.T. 0.01 min

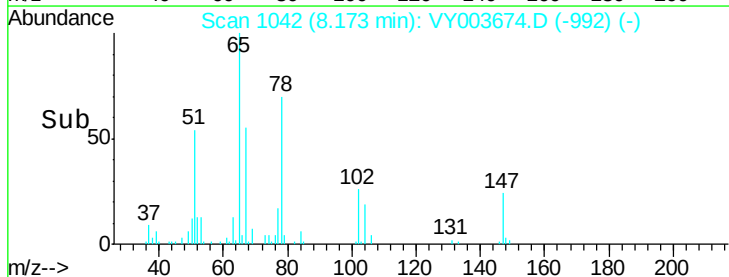
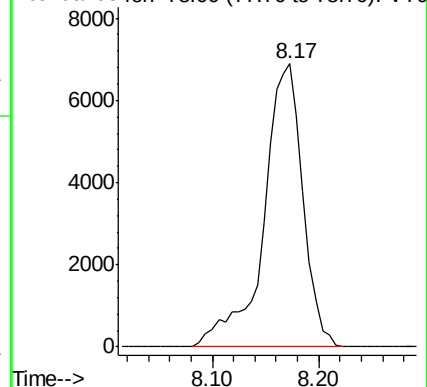
Lab File: VY003674.D

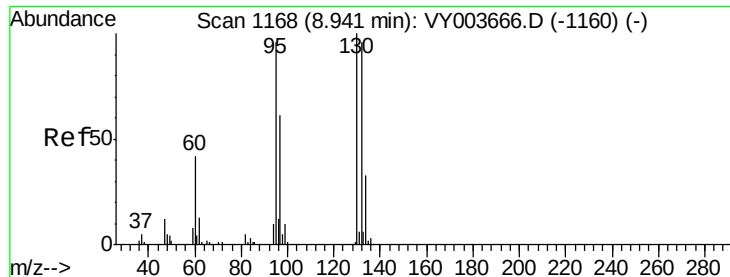
Acq: 07 Dec 2020 17:09

Tgt Ion: 78 Resp: 17719



Abundance Ion 78.00 (77.70 to 78.70): VY0





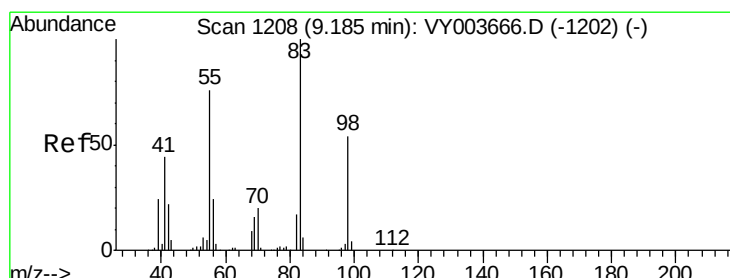
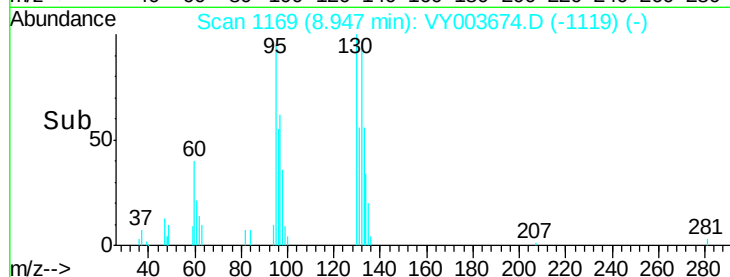
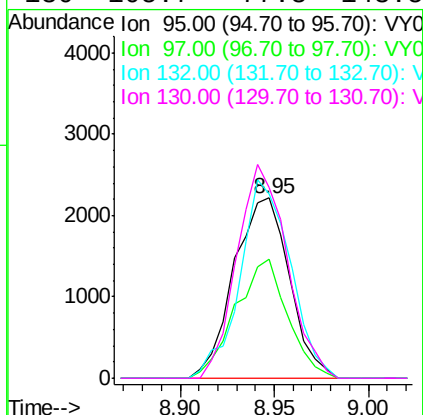
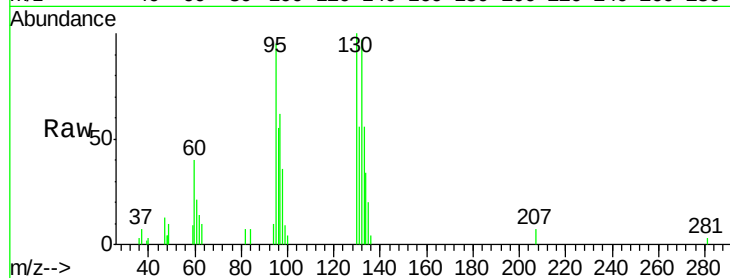
#34
 Trichloroethene
 Concen: 1.273 ug/L
 RT: 8.95 min Scan# 1169
 Delta R.T. 0.01 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
95	100		
97	65.7	46.5	86.5
132	102.5	67.5	125.3
130	105.7	77.3	143.5

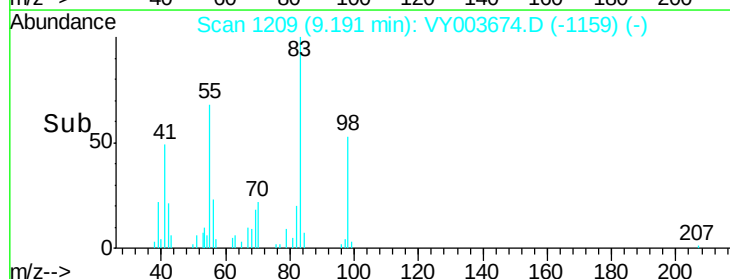
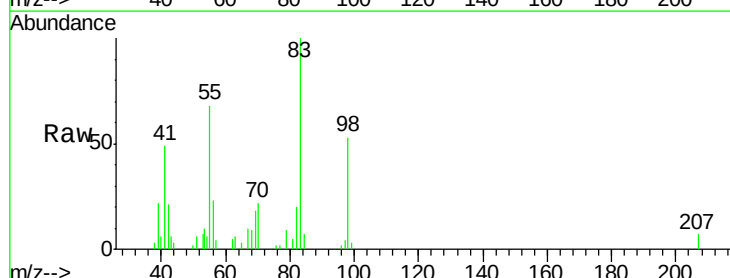
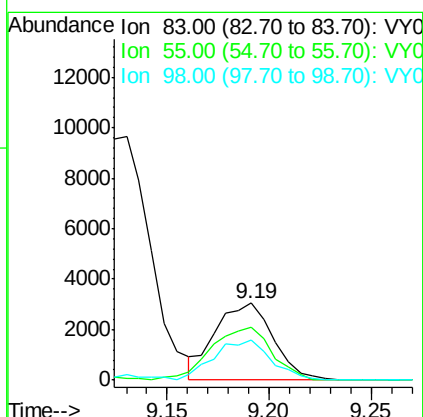
Manual Integrations
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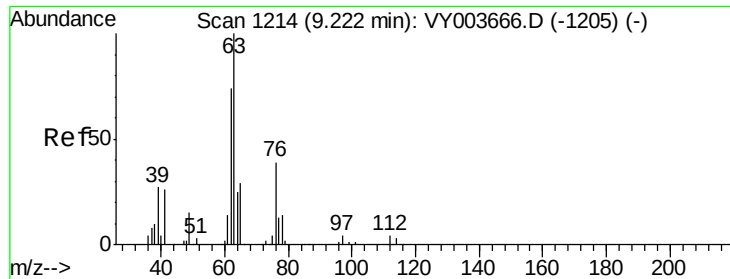
MMDadoda
 12/8/2020 5:06:33 PM



#35
 Methylcyclohexane
 Concen: 1.074 ug/L
 RT: 9.19 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.3	55.6	83.4
98	51.7	38.6	58.0





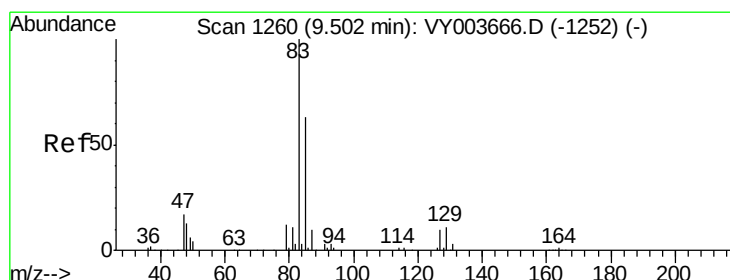
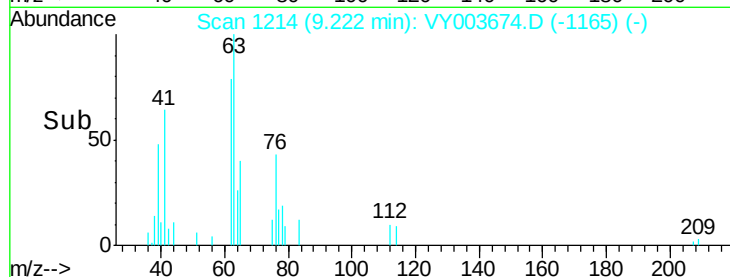
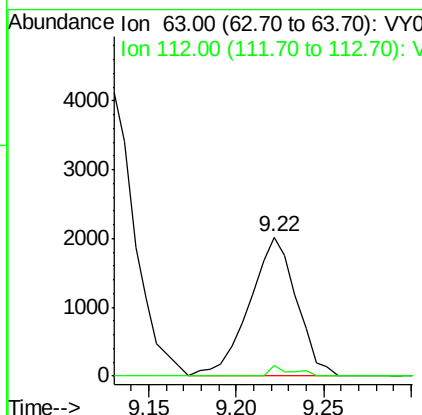
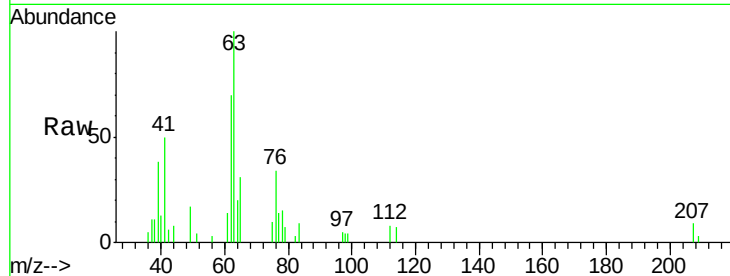
#37
 1,2-Dichloropropane
 Concen: 1.155 ug/L
 RT: 9.22 min Scan# 1214
 Delta R.T. -0.00 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

Tot Ion: 63 Resp: 3812
 Ion Ratio Lower Upper
 63 100
 112 2.9 4.2 6.2#

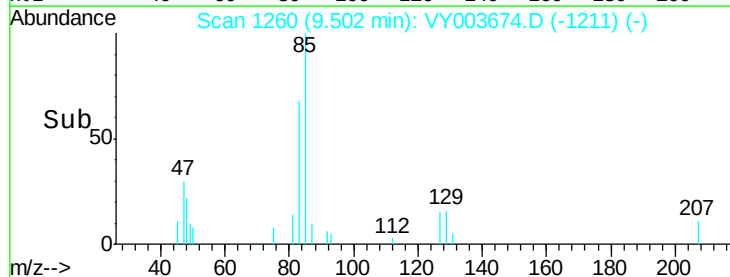
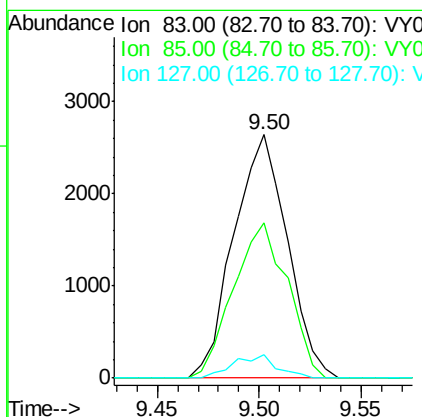
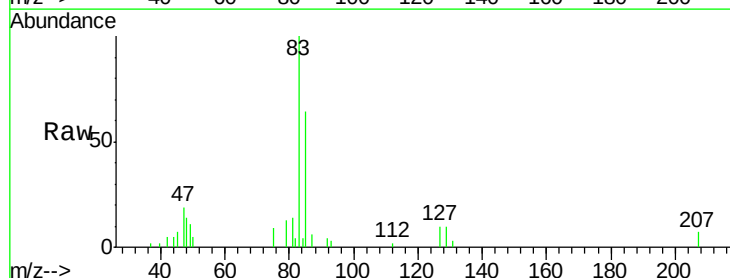
Manual Integrations
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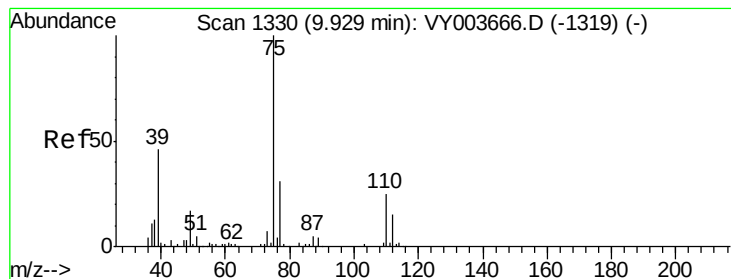
MMDadoda
 12/8/2020 5:06:33 PM



#38
 Bromodichloromethane
 Concen: 1.141 ug/L
 RT: 9.50 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Tgt Ion: 83 Resp: 4817
 Ion Ratio Lower Upper
 83 100
 85 63.9 39.3 73.1
 127 9.5 5.7 8.5#





#39

cis-1,3-Dichloropropene

Concen: 1.122 ug/L

RT: 9.93 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VY003674.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-07

Tot Ion: 75 Resp: 5840

Ion Ratio Lower Upper

75 100

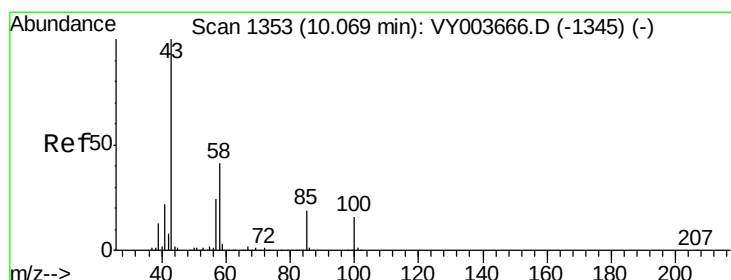
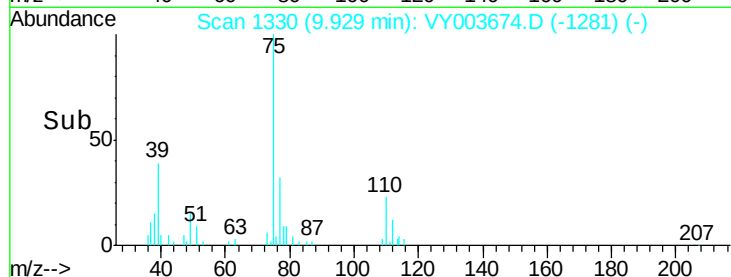
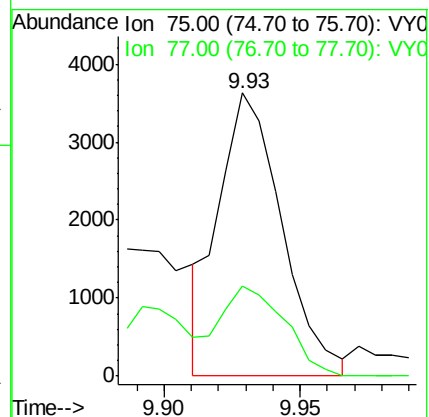
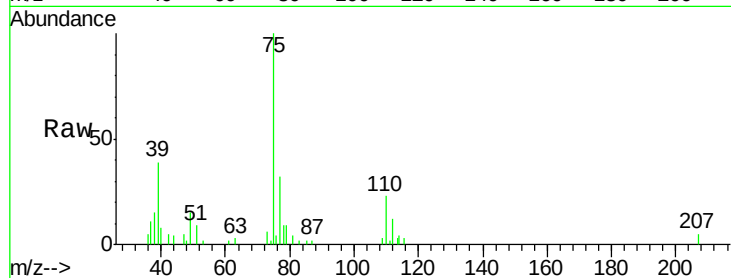
77 31.9 23.2 43.2

Manual Integrations

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#40

4-Methyl-2-pentanone

Concen: 2.445 ug/L

RT: 10.08 min Scan# 1354

Delta R.T. 0.01 min

Lab File: VY003674.D

Acq: 07 Dec 2020 17:09

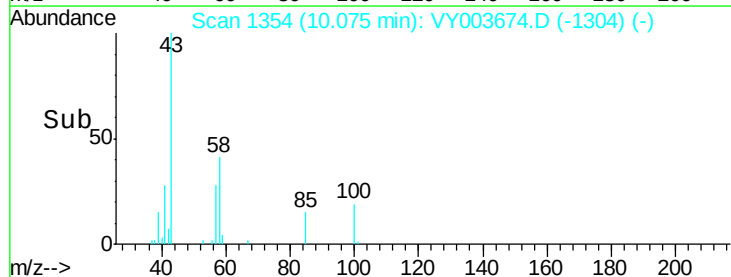
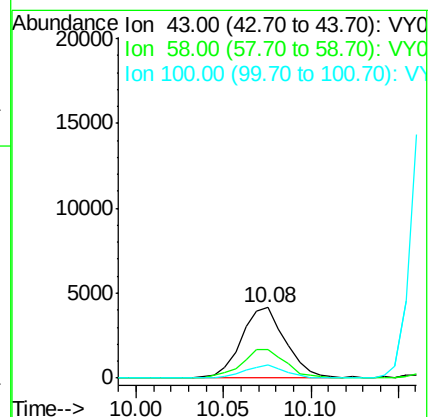
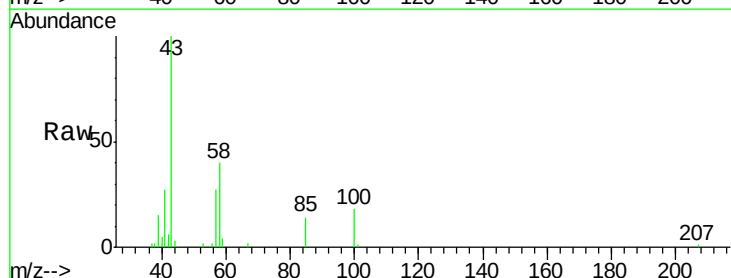
Tgt Ion: 43 Resp: 7304

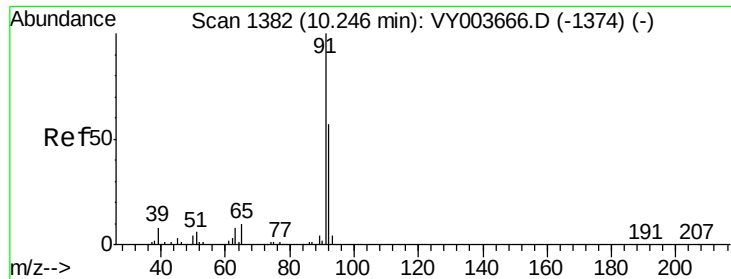
Ion Ratio Lower Upper

43 100

58 40.0 32.6 48.8

100 16.4 13.1 19.7





#42

Toluene

Concen: 1.168 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003674.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-07

Tot Ion: 91 Resp: 16435

Ion Ratio Lower Upper

91 100

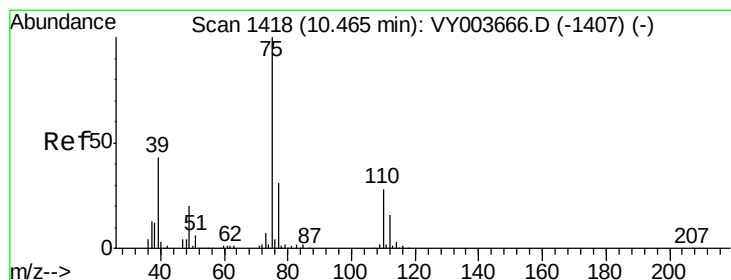
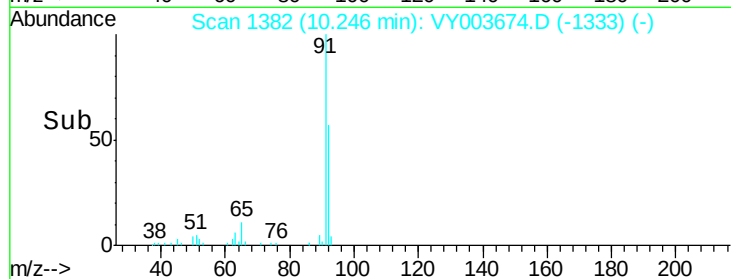
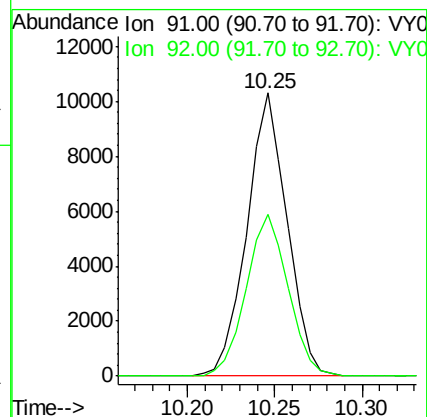
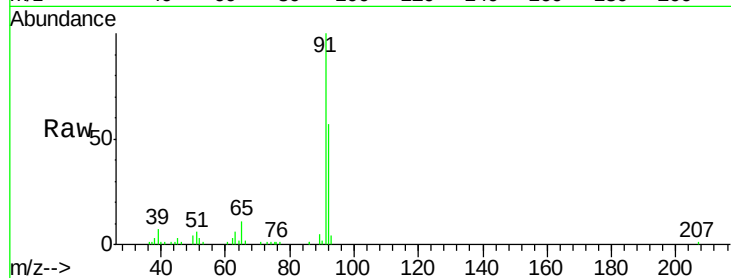
92 56.9 39.5 73.3

Manual Integrations

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#44

trans-1,3-Dichloropropene

Concen: 1.113 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003674.D

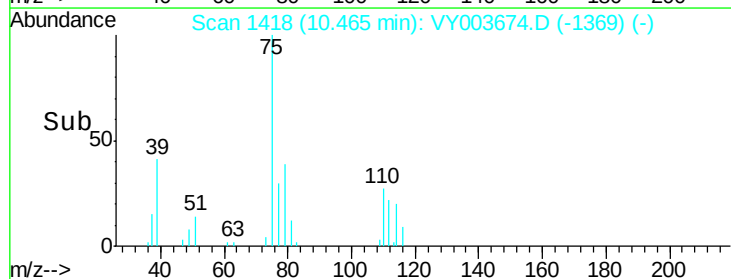
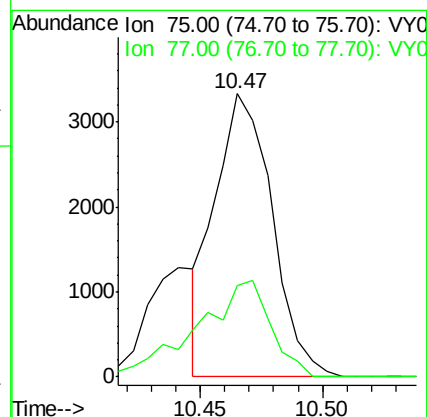
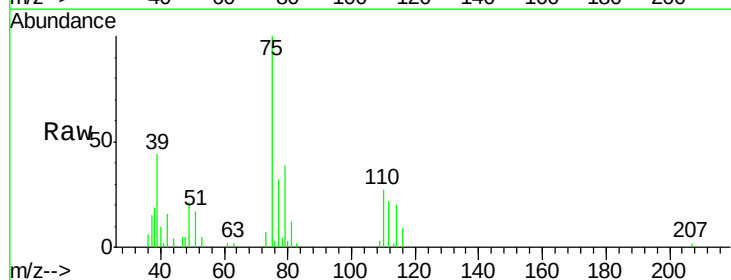
Acq: 07 Dec 2020 17:09

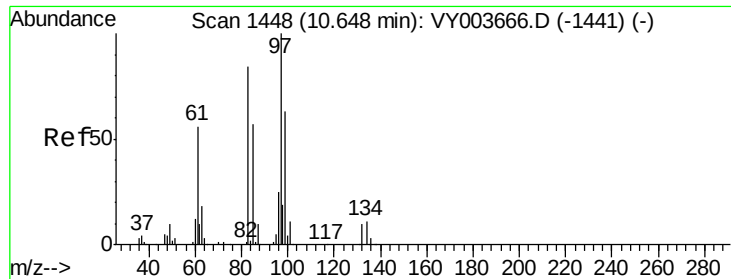
Tgt Ion: 75 Resp: 5396

Ion Ratio Lower Upper

75 100

77 32.3 24.7 45.9





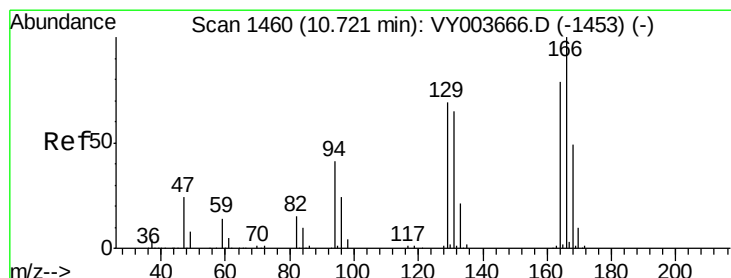
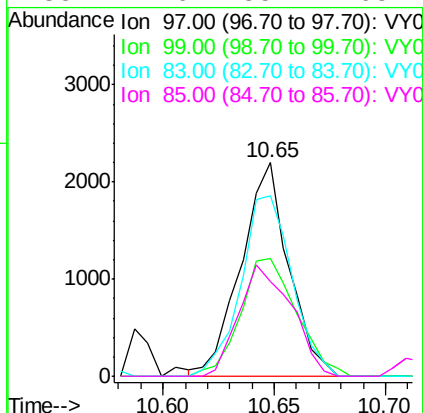
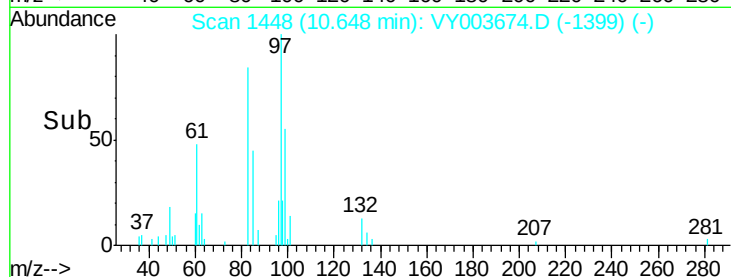
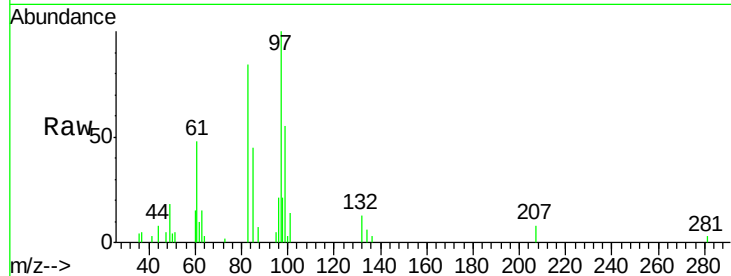
#45
 1,1,2-Trichloroethane
 Concen: 1.139 ug/L
 RT: 10.65 min Scan# 1448
 Delta R.T. -0.00 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

Tot Ion:	97	Resp:	3283
Ion	Ratio	Lower	Upper
97	100		
99	55.4	48.2	89.6
83	84.2	64.8	120.3
85	44.6	35.1	65.1

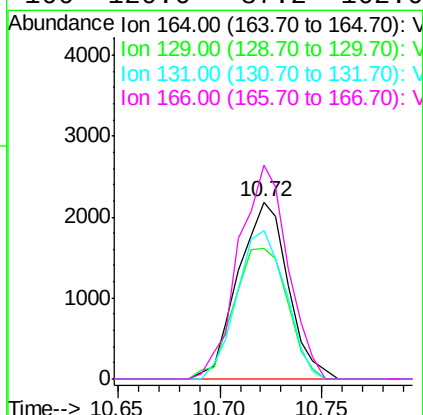
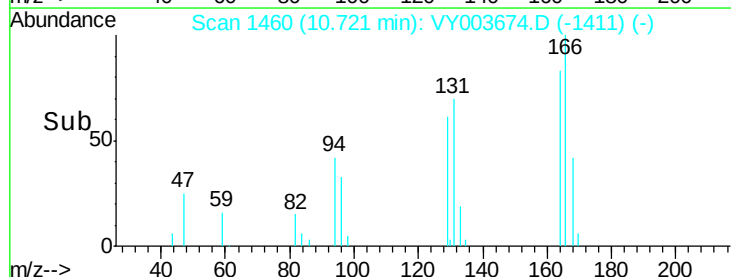
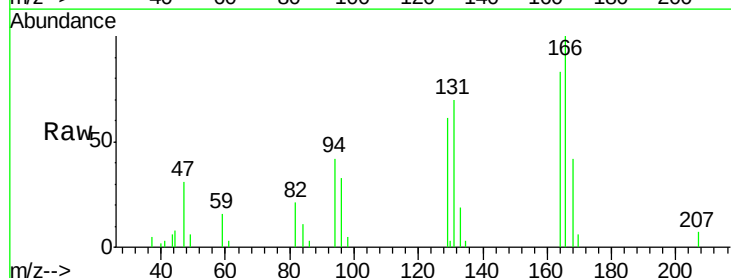
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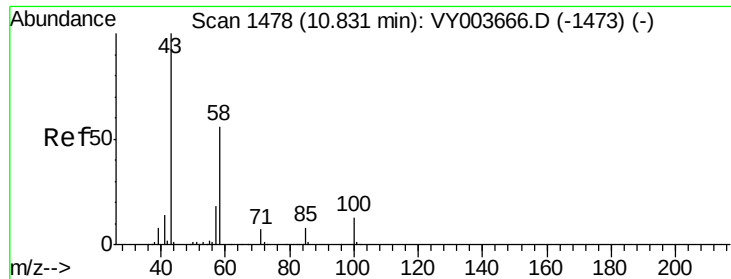
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#46
 Tetrachloroethene
 Concen: 1.305 ug/L
 RT: 10.72 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Tgt Ion:	164	Resp:	3727
Ion	Ratio	Lower	Upper
164	100		
129	73.6	53.4	99.2
131	84.2	60.8	112.8
166	120.6	87.2	162.0





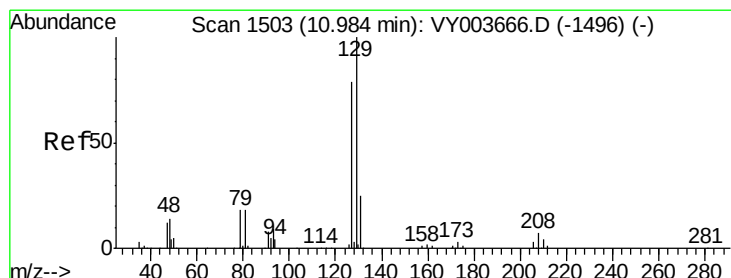
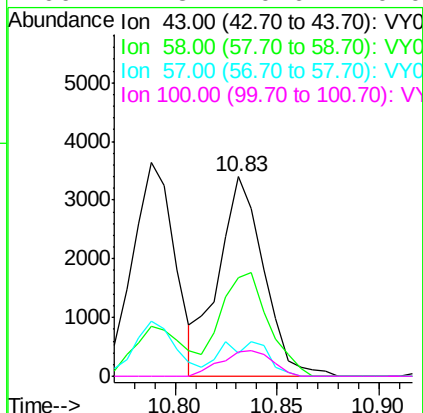
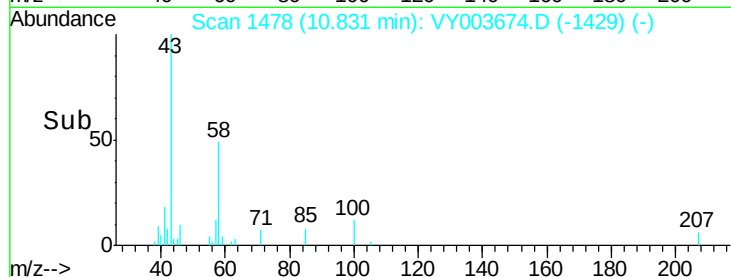
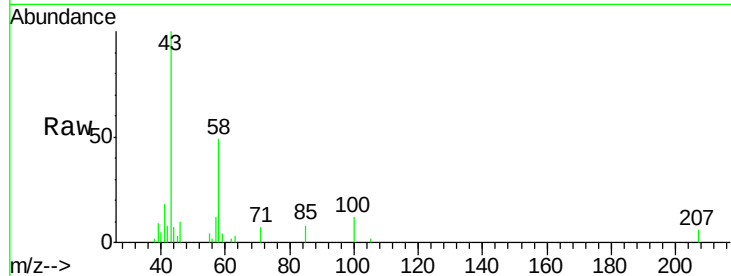
#48
2-Hexanone
Concen: 2.520 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003674.D
Acq: 07 Dec 2020 17:09

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.0	44.3	66.5
57	9.4	12.6	19.0
100	14.3	10.6	16.0

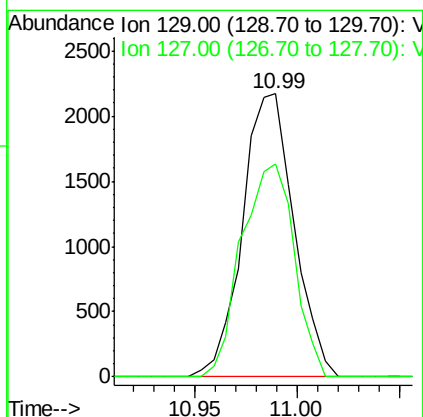
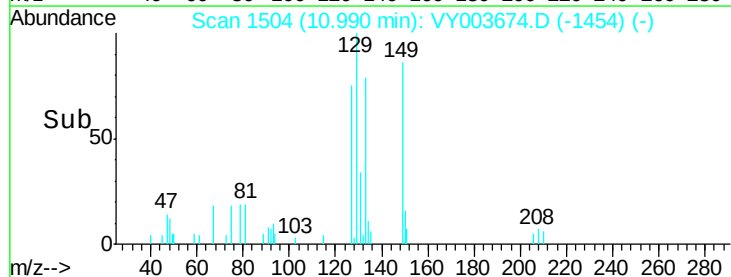
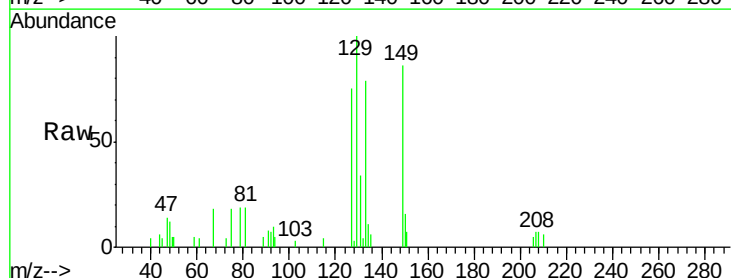
Manual Integrations
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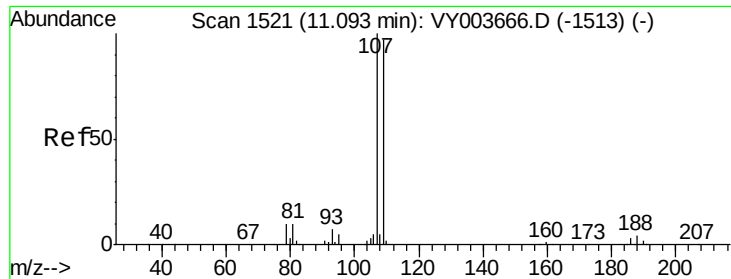
MMDadoda
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#49
Dibromochloromethane
Concen: 1.150 ug/L
RT: 10.99 min Scan# 1504
Delta R.T. 0.01 min
Lab File: VY003674.D
Acq: 07 Dec 2020 17:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.2	48.0	89.2





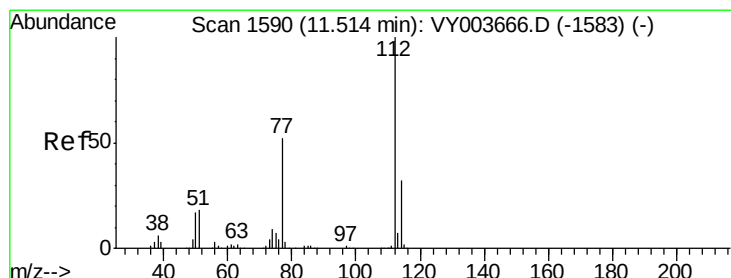
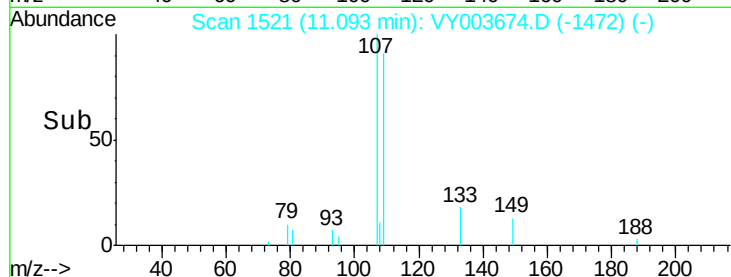
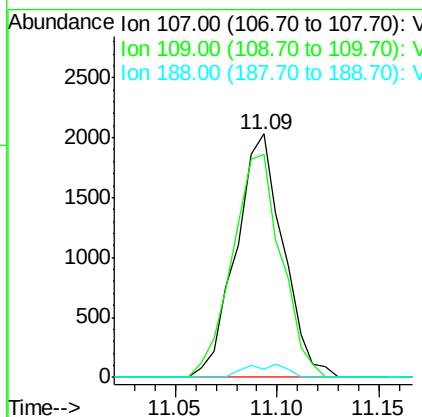
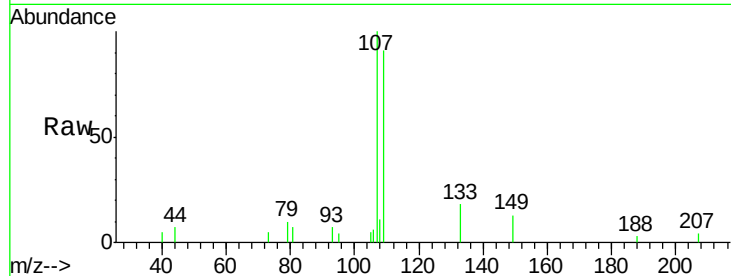
#50
 1,2-Dibromoethane
 Concen: 1.170 ug/L
 RT: 11.09 min Scan# 1521
 Delta R.T. -0.00 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
109	91.5	61.9	114.9	
188	3.3	2.1	3.1#	

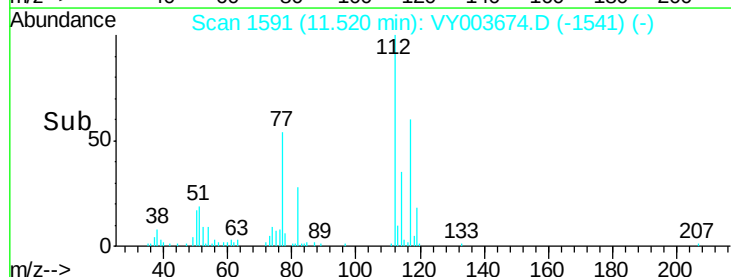
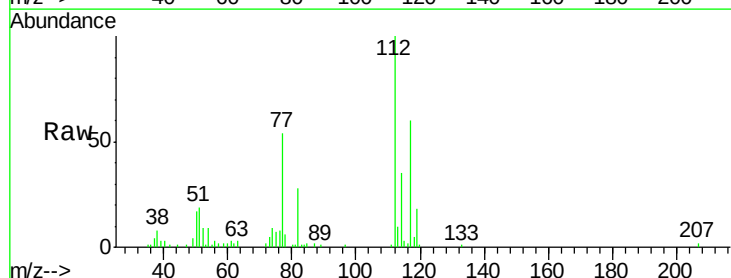
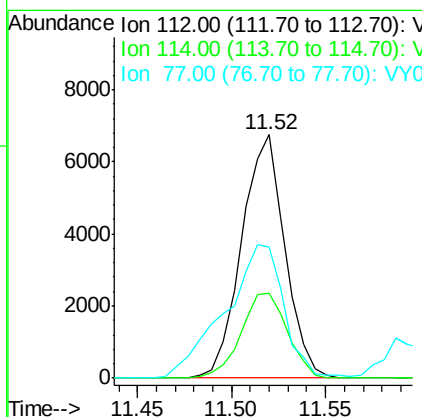
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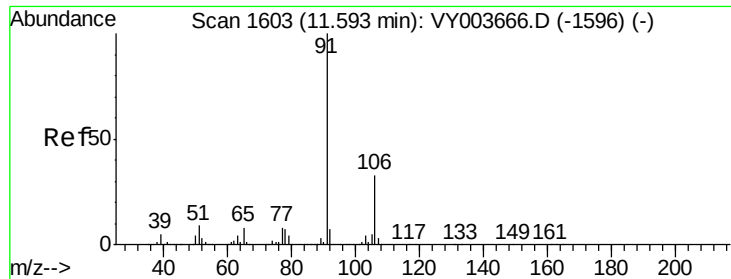
MMDadoda
 12/8/2020 5:06:33 PM



#51
 Chlorobenzene
 Concen: 1.154 ug/L
 RT: 11.52 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	34.9	22.0	40.8	
77	53.7	38.4	57.6	





#52

Ethylbenzene

Concen: 1.101 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003674.D

Acq: 07 Dec 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-07

Tot Ion: 91 Resp: 16707

Ion Ratio Lower Upper

91 100

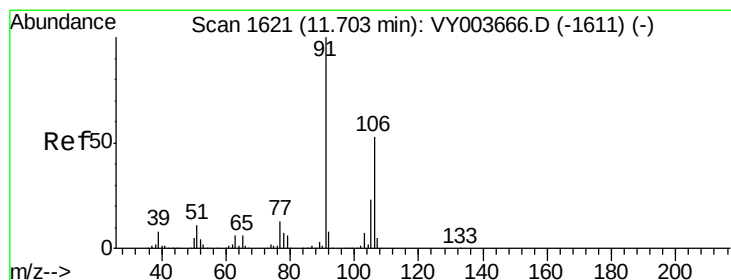
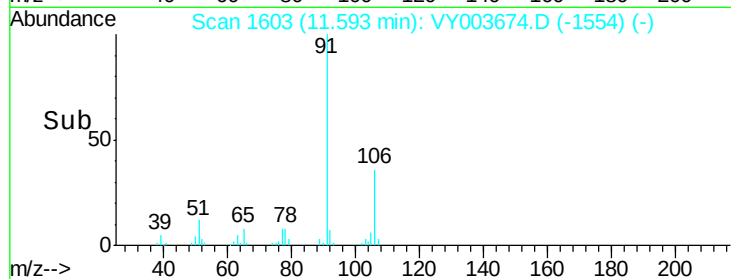
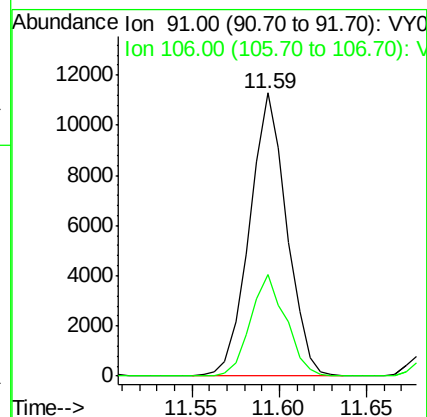
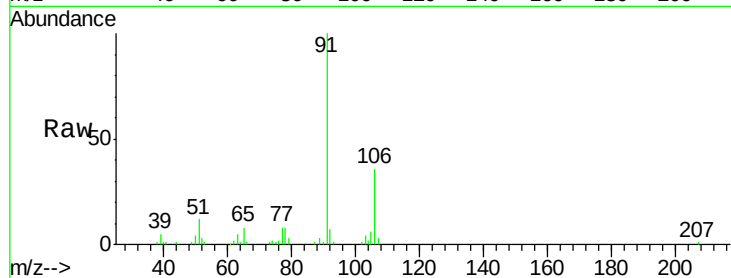
106 35.8 23.7 43.9

Manual Integrations

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#53

m,p-Xylene

Concen: 1.118 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003674.D

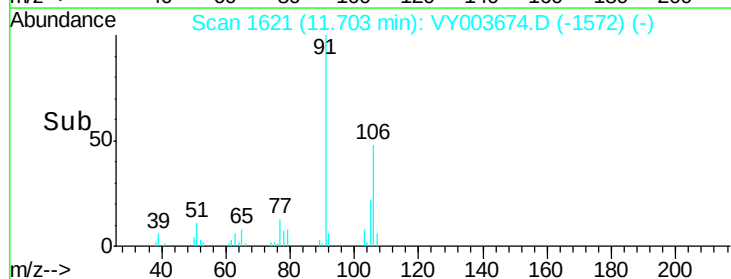
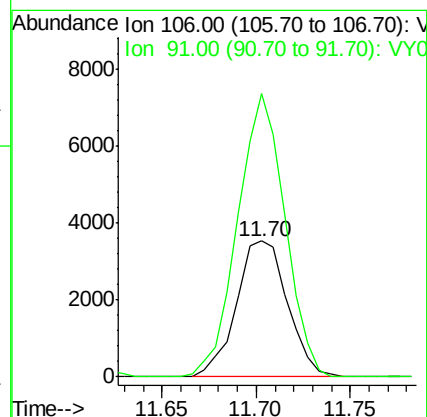
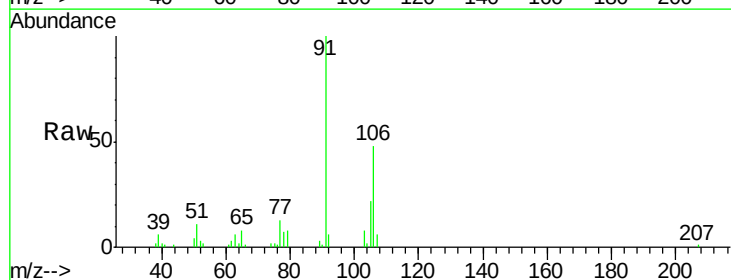
Acq: 07 Dec 2020 17:09

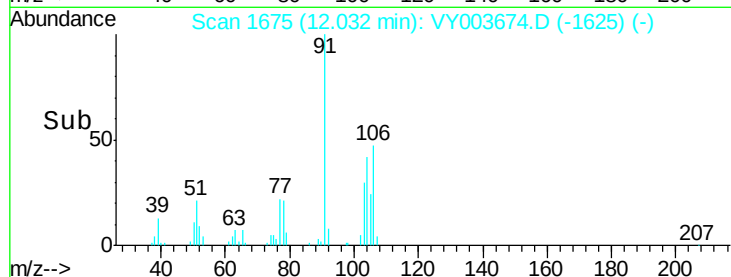
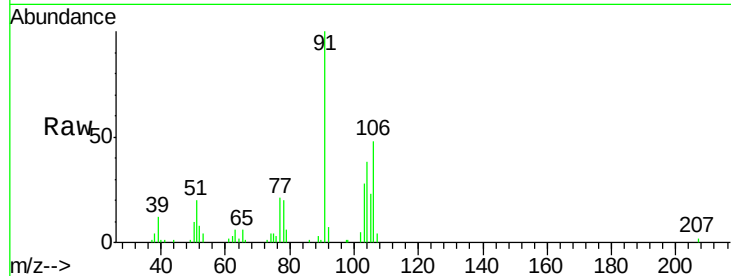
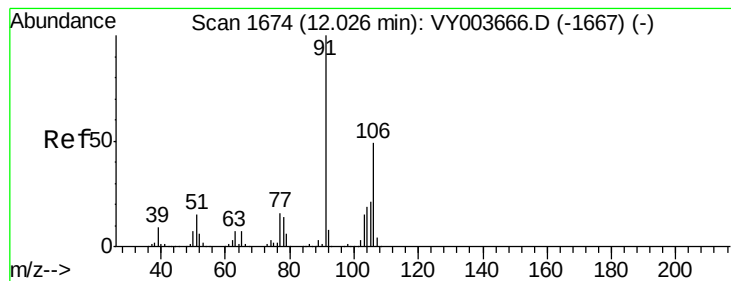
Tgt Ion: 106 Resp: 6637

Ion Ratio Lower Upper

106 100

91 208.0 132.7 246.5





#54

o-Xylene

Concen: 1.121 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VY003674.D

Acq: 07 Dec 2020 17:09

Tot Ion:106 Resp: 6361

Ion Ratio Lower Upper

106 100

91 207.3 141.7 263.1

Instrument :

MSVOA_Y

ClientSampleId :

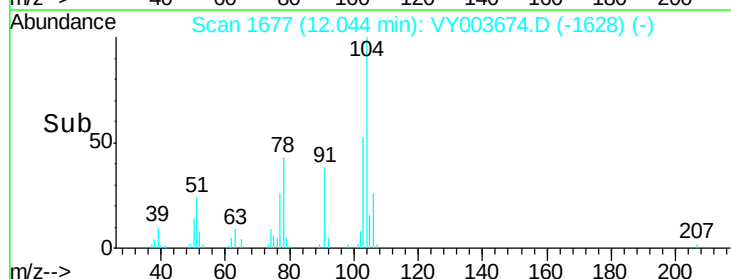
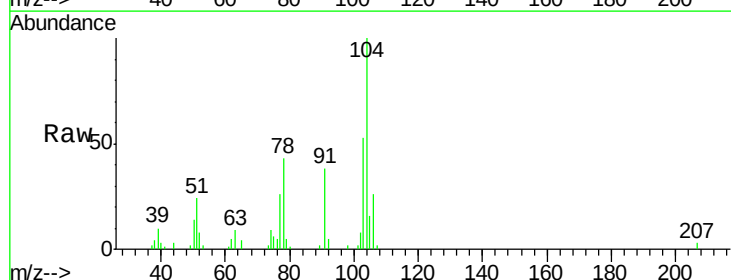
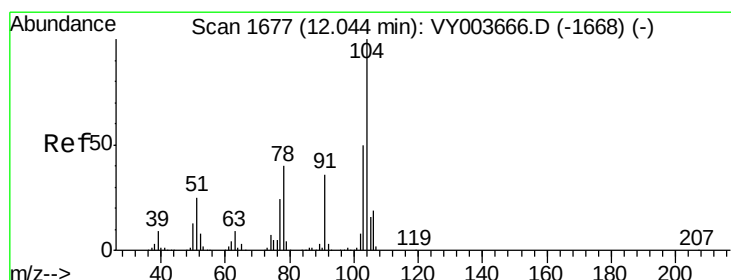
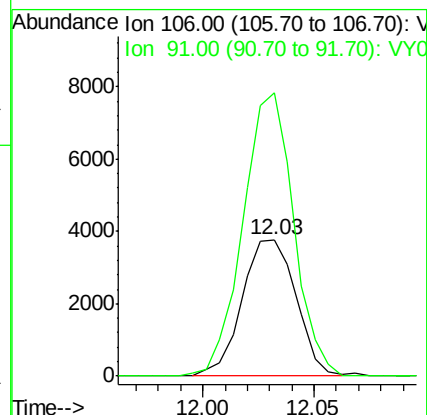
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#55

Styrene

Concen: 1.041 ug/L

RT: 12.04 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VY003674.D

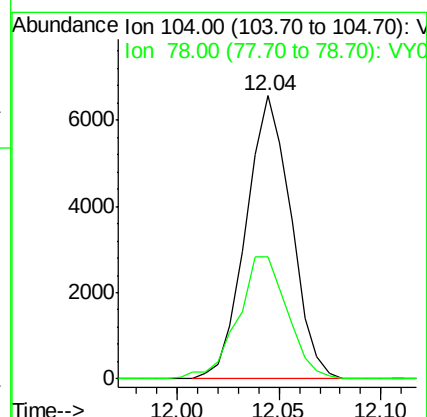
Acq: 07 Dec 2020 17:09

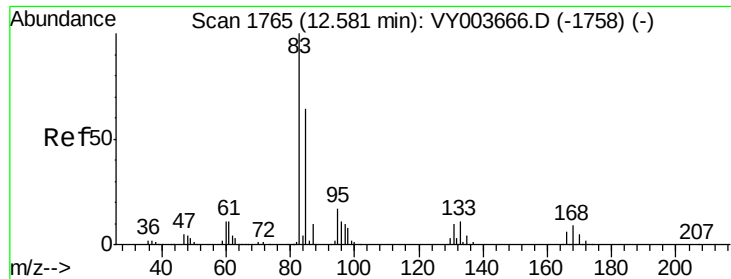
Tgt Ion:104 Resp: 10084

Ion Ratio Lower Upper

104 100

78 43.0 28.1 52.1





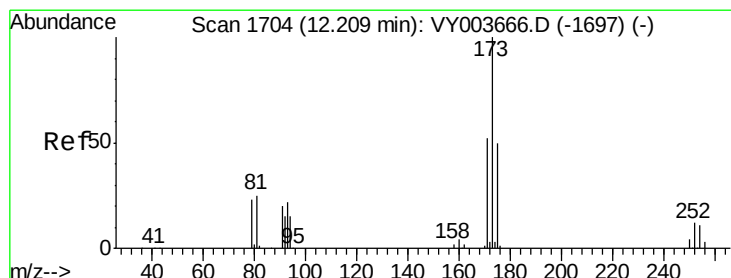
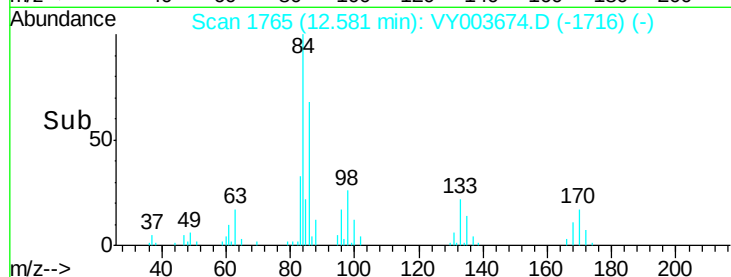
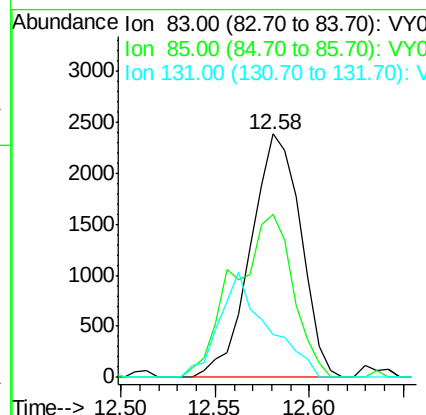
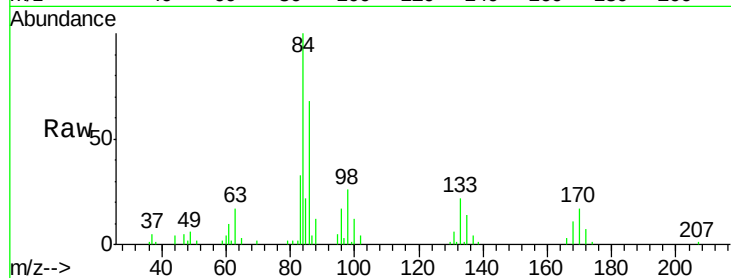
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.403 ug/L
 RT: 12.58 min Scan# 1765
 Delta R.T. -0.00 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
83	100		
85	67.1	46.4	86.2
131	17.3	8.0	12.0#

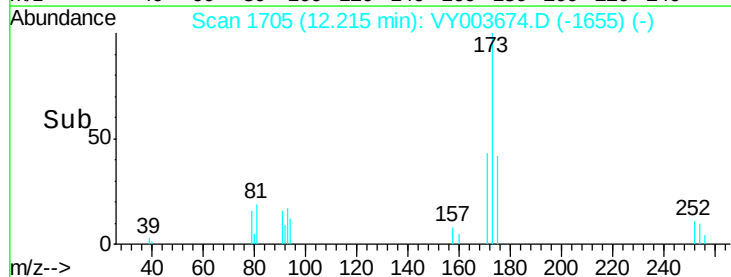
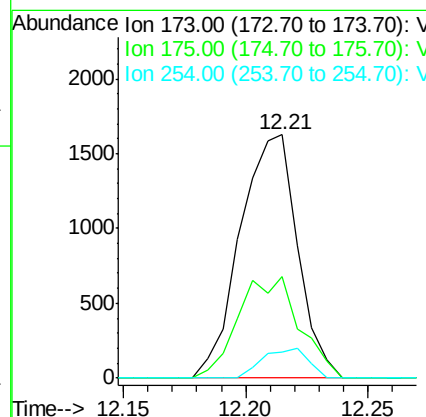
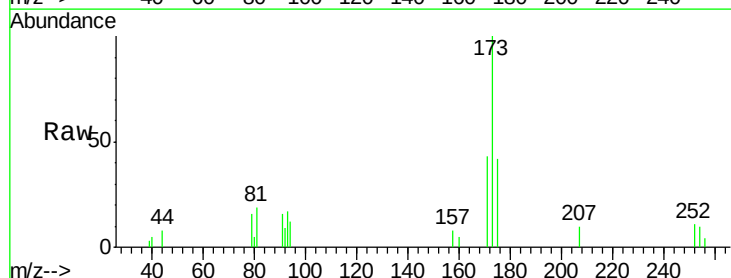
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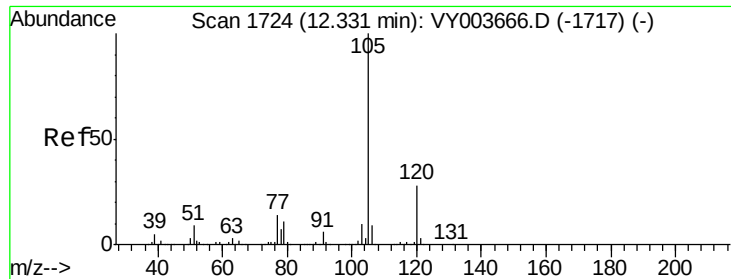
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#59
 Bromoform
 Concen: 1.226 ug/L
 RT: 12.21 min Scan# 1705
 Delta R.T. 0.01 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Tgt Ion	Ratio	Lower	Upper
173	100		
175	44.5	41.2	61.8
254	9.7	3.2	4.8#





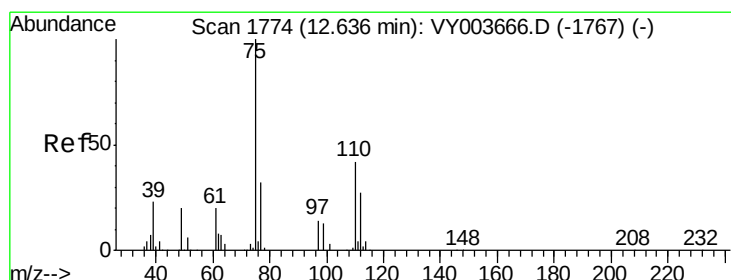
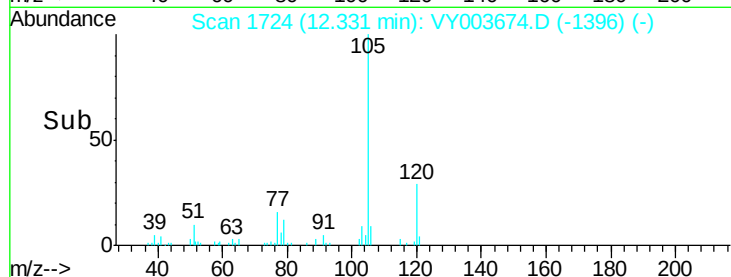
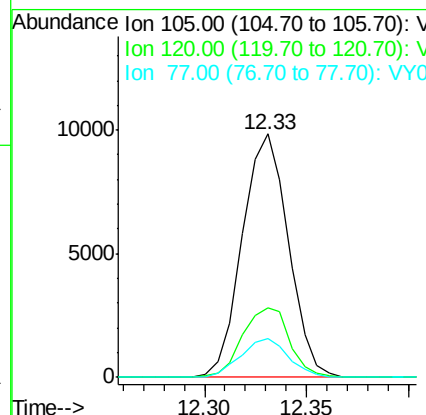
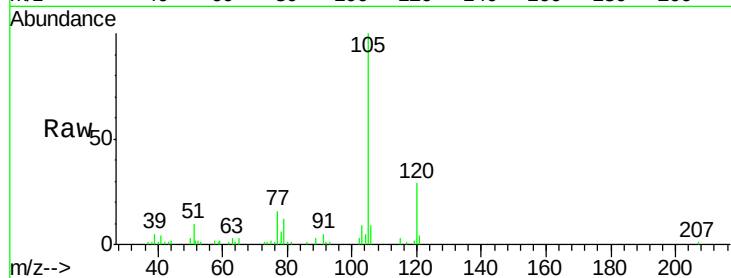
#60
Isopropylbenzene
Concen: 1.091 ug/L
RT: 12.33 min Scan# 1724
Delta R.T. -0.00 min
Lab File: VY003674.D
Acq: 07 Dec 2020 17:09

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
105	100		
120	29.1	22.6	33.8
77	16.4	11.9	17.9

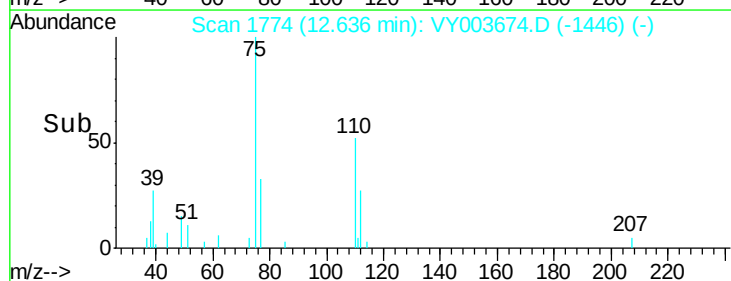
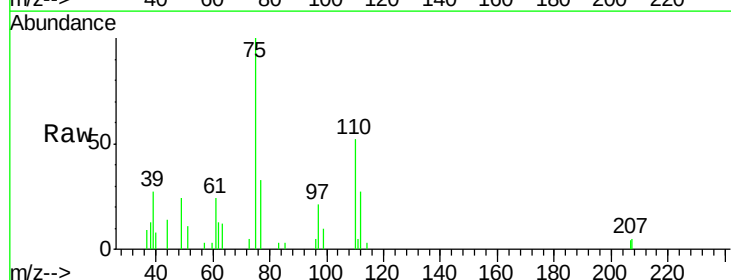
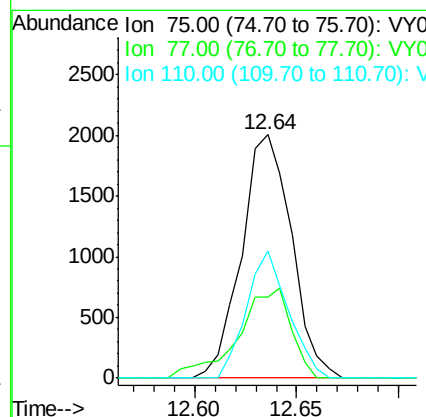
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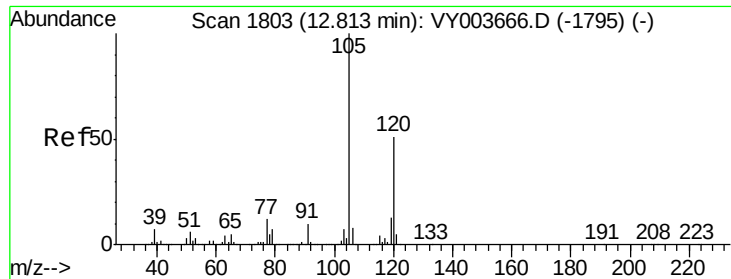
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#61
1,2,3-Trichloropropane
Concen: 1.313 ug/L
RT: 12.64 min Scan# 1774
Delta R.T. -0.00 min
Lab File: VY003674.D
Acq: 07 Dec 2020 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	39.2	29.0	43.6
110	43.7	33.3	49.9





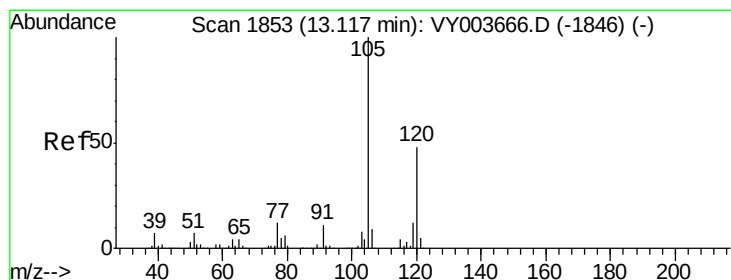
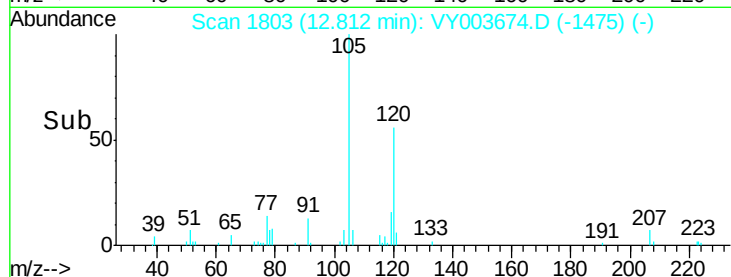
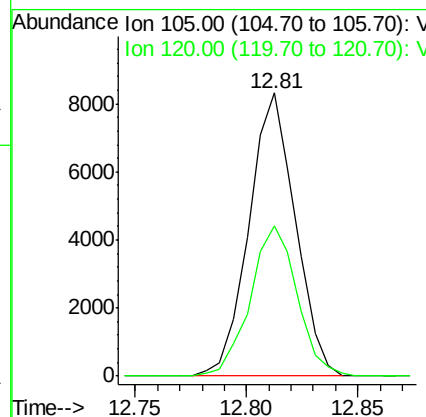
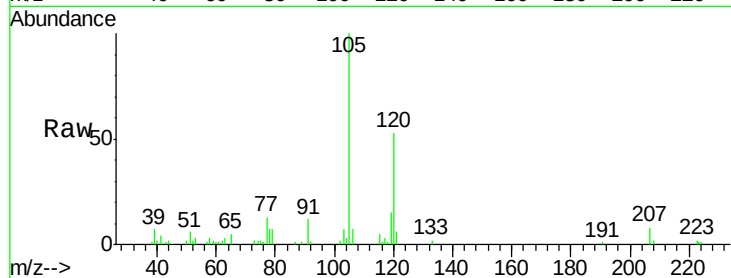
#62
 1,3,5-Trimethylbenzene
 Concen: 1.075 ug/L
 RT: 12.81 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
105	100		
120	53.5	42.2	63.2

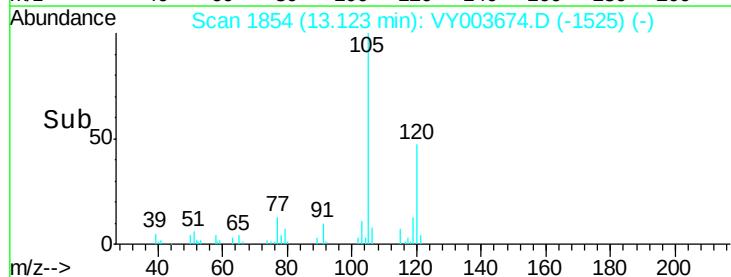
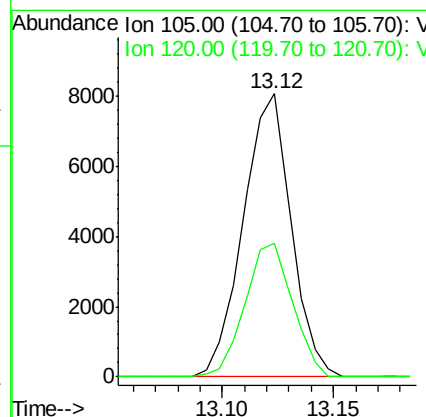
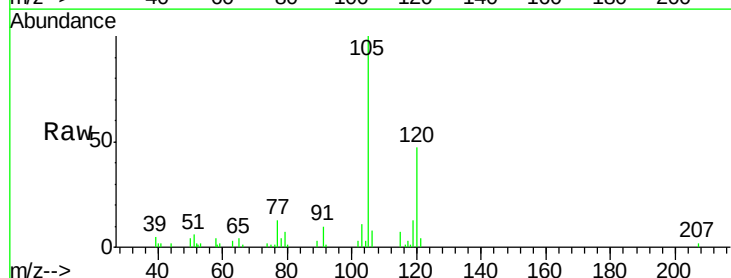
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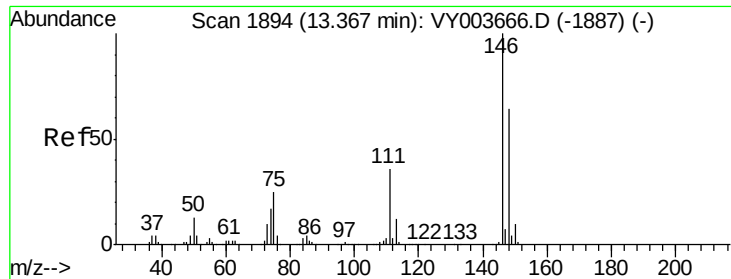
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#63
 1,2,4-Trimethylbenzene
 Concen: 1.084 ug/L
 RT: 13.12 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	39.0	58.6





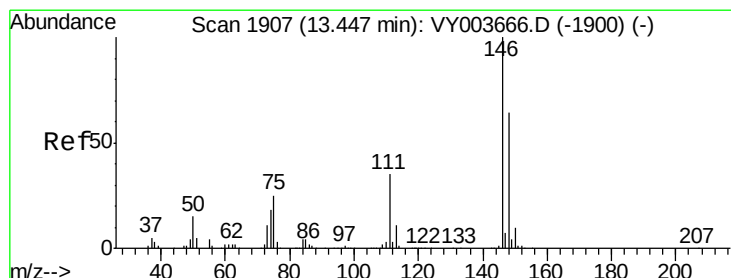
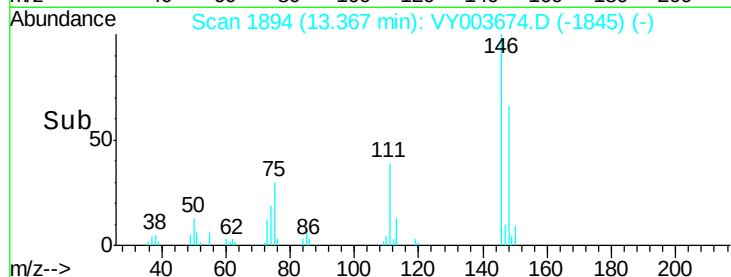
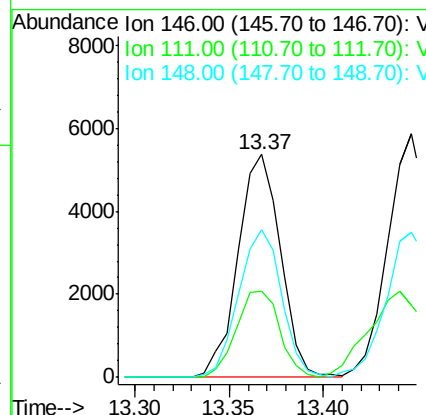
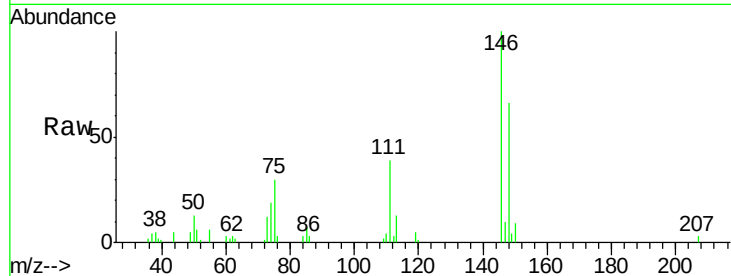
#64
 1,3-Dichlorobenzene
 Concen: 1.225 ug/L
 RT: 13.37 min Scan# 1894
 Delta R.T. -0.00 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	25.3	47.1
148	66.2	41.4	76.8

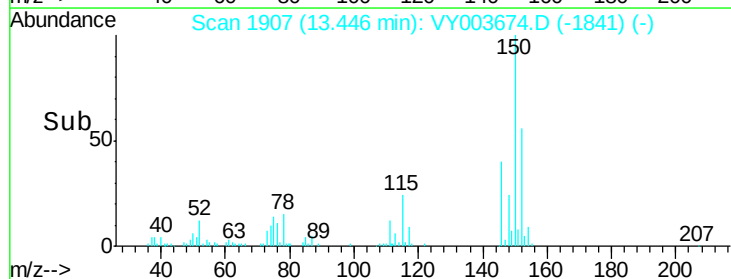
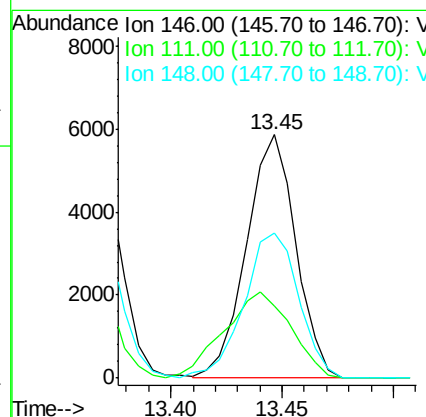
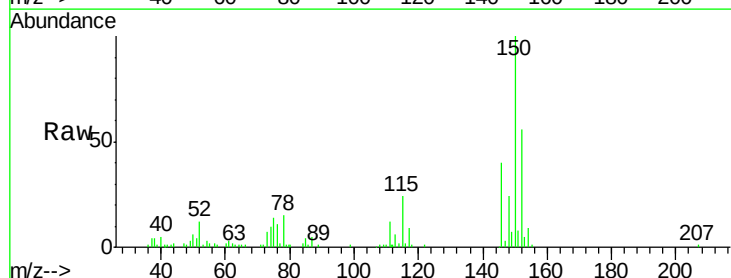
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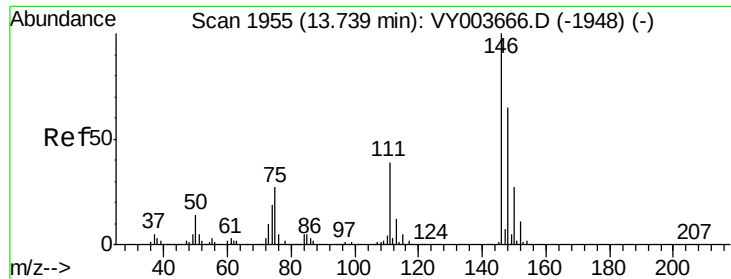
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#65
 1,4-Dichlorobenzene
 Concen: 1.306 ug/L
 RT: 13.45 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.3	26.9	50.1
148	59.6	44.9	83.3





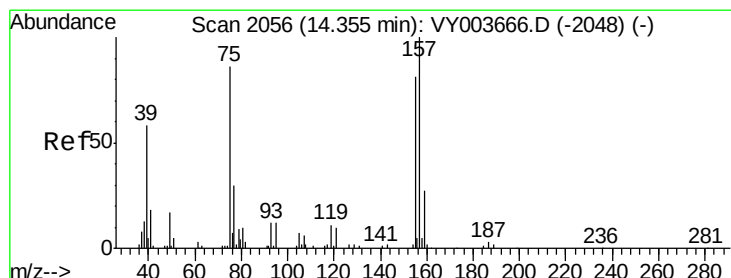
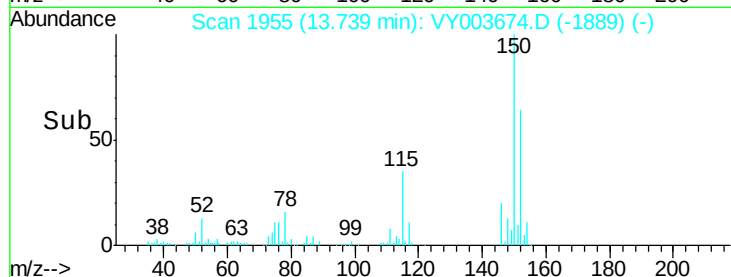
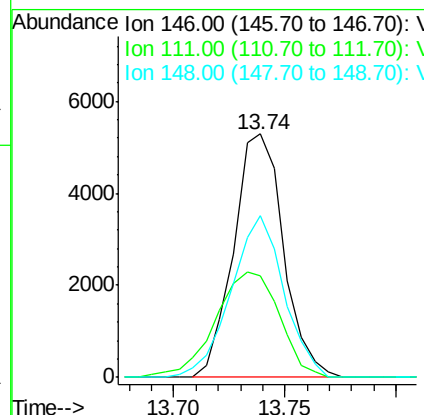
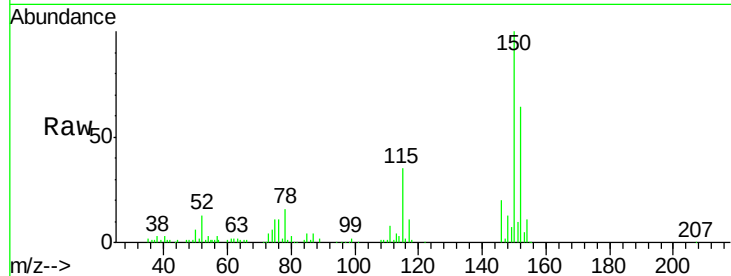
#67
 1,2-Dichlorobenzene
 Concen: 1.293 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	32.5	48.7
148	66.4	48.8	73.2

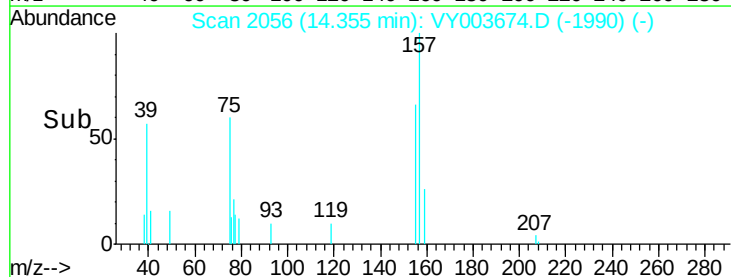
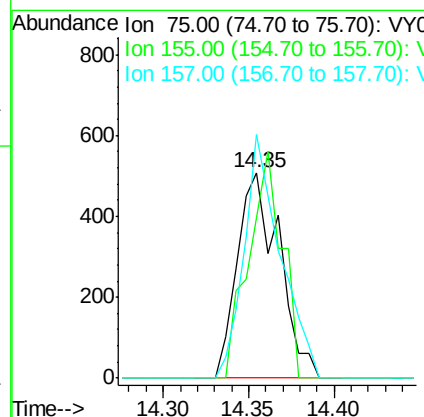
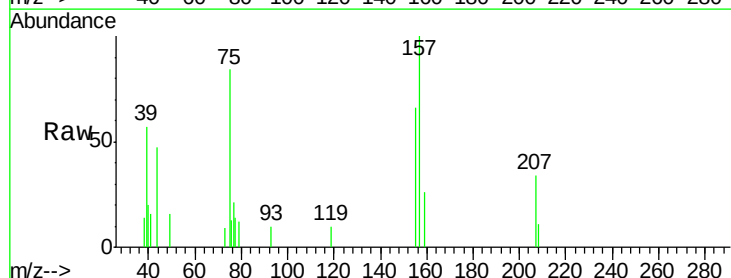
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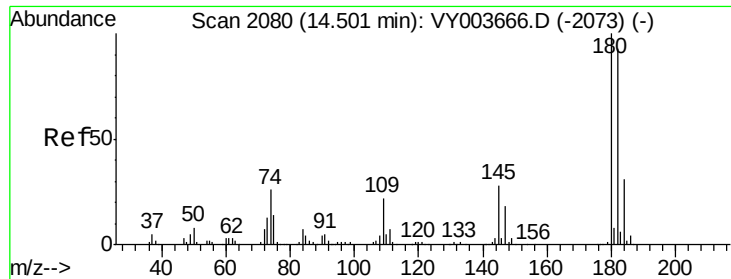
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.501 ug/L m
 RT: 14.35 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.0	69.5	104.3
157	118.5	111.3	166.9





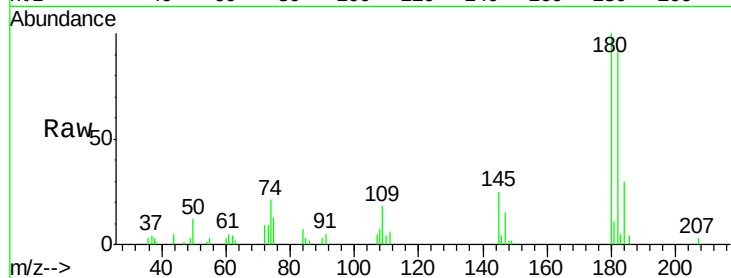
#69
 1,3,5-Trichlorobenzene
 Concen: 1.304 ug/L
 RT: 14.51 min Scan# 2081
 Delta R.T. 0.01 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

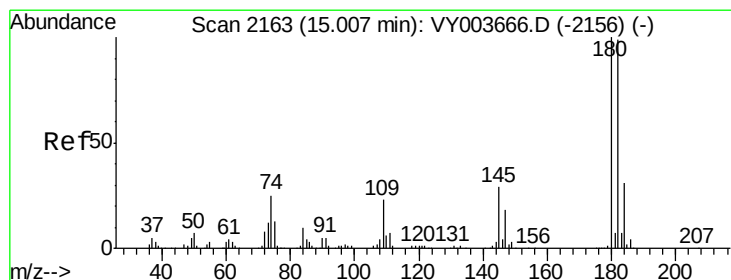
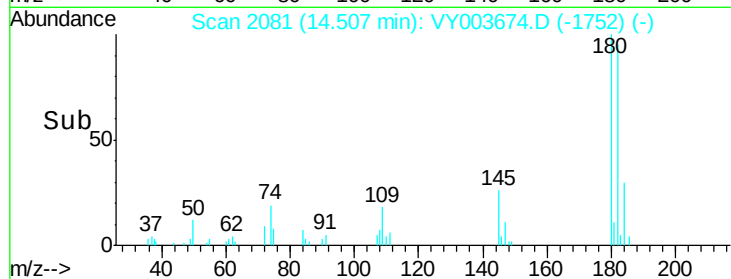
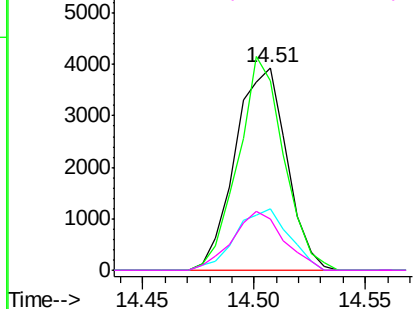
Tot Ion:	180	Resp:	6341
Ion	Ratio	Lower	Upper
180	100		
182	93.6	80.1	120.1
184	31.5	24.4	36.6
145	29.2	22.9	34.3

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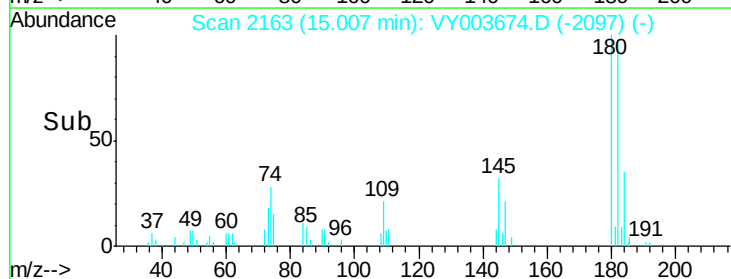
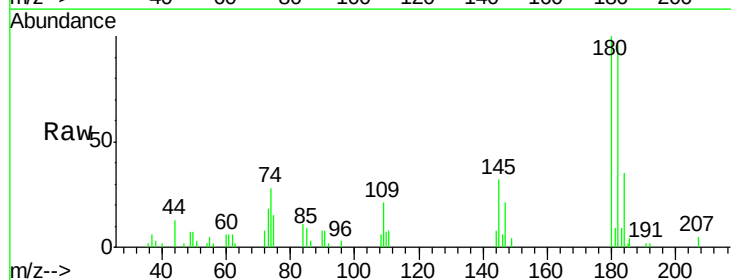
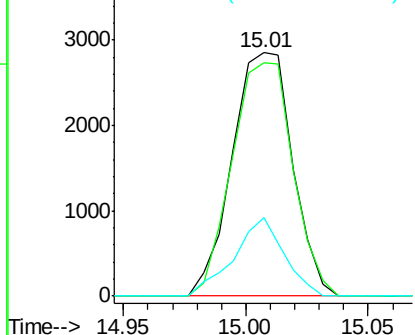
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

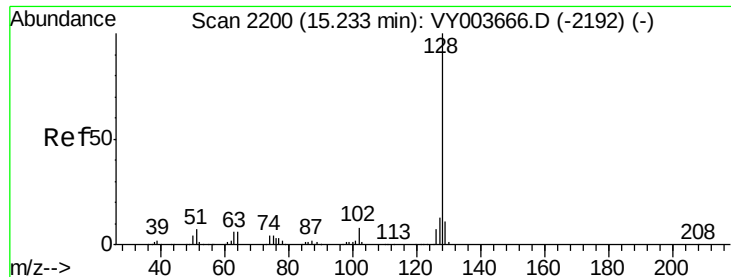


#70
 1,2,4-trichlorobenzene
 Concen: 1.188 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VY003674.D
 Acq: 07 Dec 2020 17:09

Tgt Ion:	180	Resp:	4912
Ion	Ratio	Lower	Upper
180	100		
182	96.8	81.5	122.3
145	26.7	22.3	33.5

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





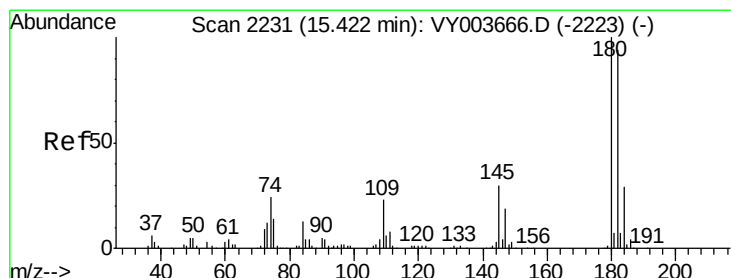
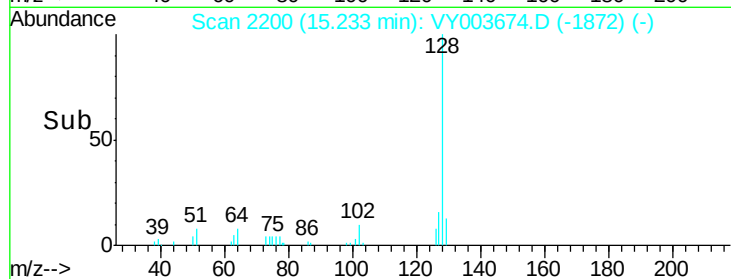
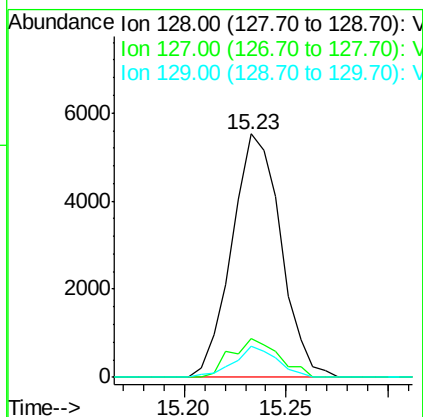
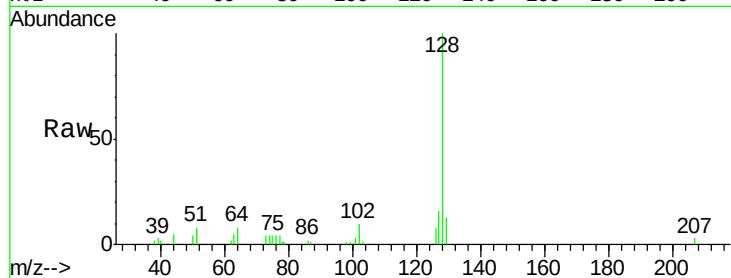
#71
Naphthalene
Concen: 1.049 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003674.D
Acq: 07 Dec 2020 17:09

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.5	10.2	15.4#
129	11.2	9.4	14.0

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#72
1,2,3-Trichlorobenzene
Concen: 1.341 ug/L
RT: 15.43 min Scan# 2232
Delta R.T. 0.01 min
Lab File: VY003674.D
Acq: 07 Dec 2020 17:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.3	78.7	118.1
145	30.2	24.6	37.0

