

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122920\
 Data File : VY003857.D
 Acq On : 29 Dec 2020 17:29
 Operator : SY/MD
 Sample : L4485-03
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03

Manual Integrations
 APPROVED

MMDadoda
 12/30/2020 6:36:29 PM

Quant Time: Dec 30 07:37:00 2020

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

Quant Title : VOC Analysis

QLast Update : Wed Dec 30 07:32:29 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	328242	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.48	117	303596	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	165575	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	119678	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.20%
7) Chloroethane-d5	2.76	69	101926	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	3.86	63	167424	17.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.88%
21) 2-Butanone-d5	6.89	46	103312	48.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.84%
24) Chloroform-d	7.48	84	214864	23.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	8.14	65	140344	24.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	8.11	84	422107	25.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.04%
36) 1,2-Dichloropropane-d6	9.12	67	127033	25.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.04%
41) Toluene-d8	10.18	98	398644	24.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	10.43	79	69706	24.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.28%
47) 2-Hexanone-d5	10.78	63	75586	48.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.92%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	122067	24.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.76%
66) 1,2-Dichlorobenzene-d4	13.72	152	159711	26.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	7177	1.305 ug/L	95
3) Chloromethane	2.11	50	8083	1.313 ug/L	91
5) Vinyl chloride	2.25	62	7757m	1.187 ug/L	
6) Bromomethane	2.66	94	4828	1.209 ug/L	91
8) Chloroethane	2.80	64	4299	1.090 ug/L	94
9) Trichlorofluoromethane	3.13	101	9914	1.136 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	6461m	1.410 ug/L	
12) 1,1-Dichloroethene	3.88	96	5860	1.362 ug/L #	1
13) Acetone	3.95	43	5129	3.256 ug/L	93
14) Carbon disulfide	4.20	76	15643	1.080 ug/L	100
15) Methyl Acetate	4.48	43	4214	1.163 ug/L #	62
16) Methylene chloride	4.72	84	13402	2.546 ug/L	96
17) trans-1,2-Dichloroethene	5.23	96	4991	1.060 ug/L	95
18) Methyl tert-butyl Ether	5.23	73	14354	1.032 ug/L #	70
19) 1,1-Dichloroethane	6.03	63	8915	1.048 ug/L #	89
20) cis-1,2-Dichloroethene	7.00	96	5491m	1.079 ug/L	
22) 2-Butanone	6.99	43	6699m	2.744 ug/L	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122920\
 Data File : VY003857.D
 Acq On : 29 Dec 2020 17:29
 Operator : SY/MD
 Sample : L4485-03
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03

Manual Integrations
 APPROVED

MMDadoda
 12/30/2020 6:36:29 PM

Quant Time: Dec 30 07:37:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 30 07:32:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	2551	1.013	ug/L	82
25) Chloroform	7.51	83	12135	1.361	ug/L	96
27) 1,2-Dichloroethane	8.23	62	7820	1.128	ug/L #	94
29) Cyclohexane	7.79	56	8568	1.077	ug/L	94
30) 1,1,1-Trichloroethane	7.71	97	8895	1.089	ug/L	98
31) Carbon tetrachloride	7.90	117	8408m	1.113	ug/L	
33) Benzene	8.16	78	19598	1.056	ug/L	100
34) Trichloroethene	8.94	95	5690	1.109	ug/L	94
35) Methylcyclohexane	9.18	83	8642	1.035	ug/L	95
37) 1,2-Dichloropropane	9.22	63	5209	1.103	ug/L	97
38) Bromodichloromethane	9.50	83	7218	1.084	ug/L #	89
39) cis-1,3-Dichloropropene	9.93	75	8499	1.053	ug/L	94
40) 4-Methyl-2-pentanone	10.07	43	12533	2.485	ug/L	98
42) Toluene	10.24	91	22178	1.080	ug/L	97
44) trans-1,3-Dichloropropene	10.47	75	11977	1.537	ug/L	99
45) 1,1,2-Trichloroethane	10.64	97	4567	1.125	ug/L	86
46) Tetrachloroethene	10.72	164	5180	1.168	ug/L	88
48) 2-Hexanone	10.83	43	7549	2.054	ug/L	99
49) Dibromochloromethane	10.98	129	5692	1.108	ug/L	90
50) 1,2-Dibromoethane	11.09	107	4526	1.130	ug/L	92
51) Chlorobenzene	11.51	112	14998	1.130	ug/L	96
52) Ethylbenzene	11.59	91	24561	1.068	ug/L	95
53) m,p-Xylene	11.70	106	8922	1.023	ug/L	95
54) o-Xylene	12.02	106	8806	1.037	ug/L	87
55) Styrene	12.04	104	14468	0.985	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.57	83	6198	1.291	ug/L #	87
59) Bromoform	12.20	173	4217	1.180	ug/L #	96
60) Isopropylbenzene	12.32	105	23061	1.053	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	4954	1.218	ug/L	99
62) 1,3,5-Trimethylbenzene	12.81	105	19204	1.056	ug/L	97
63) 1,2,4-Trimethylbenzene	13.12	105	19344	1.050	ug/L	98
64) 1,3-Dichlorobenzene	13.36	146	12195	1.150	ug/L	96
65) 1,4-Dichlorobenzene	13.44	146	12502	1.164	ug/L	91
67) 1,2-Dichlorobenzene	13.74	146	12006	1.209	ug/L	91
68) 1,2-Dibromo-3-chloropropan	14.35	75	1450	1.435	ug/L #	68
69) 1,3,5-Trichlorobenzene	14.50	180	9917	1.200	ug/L	97
70) 1,2,4-trichlorobenzene	15.00	180	7945	1.134	ug/L	96
71) Naphthalene	15.23	128	15389	1.052	ug/L	97
72) 1,2,3-Trichlorobenzene	15.42	180	7179	1.160	ug/L	95

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

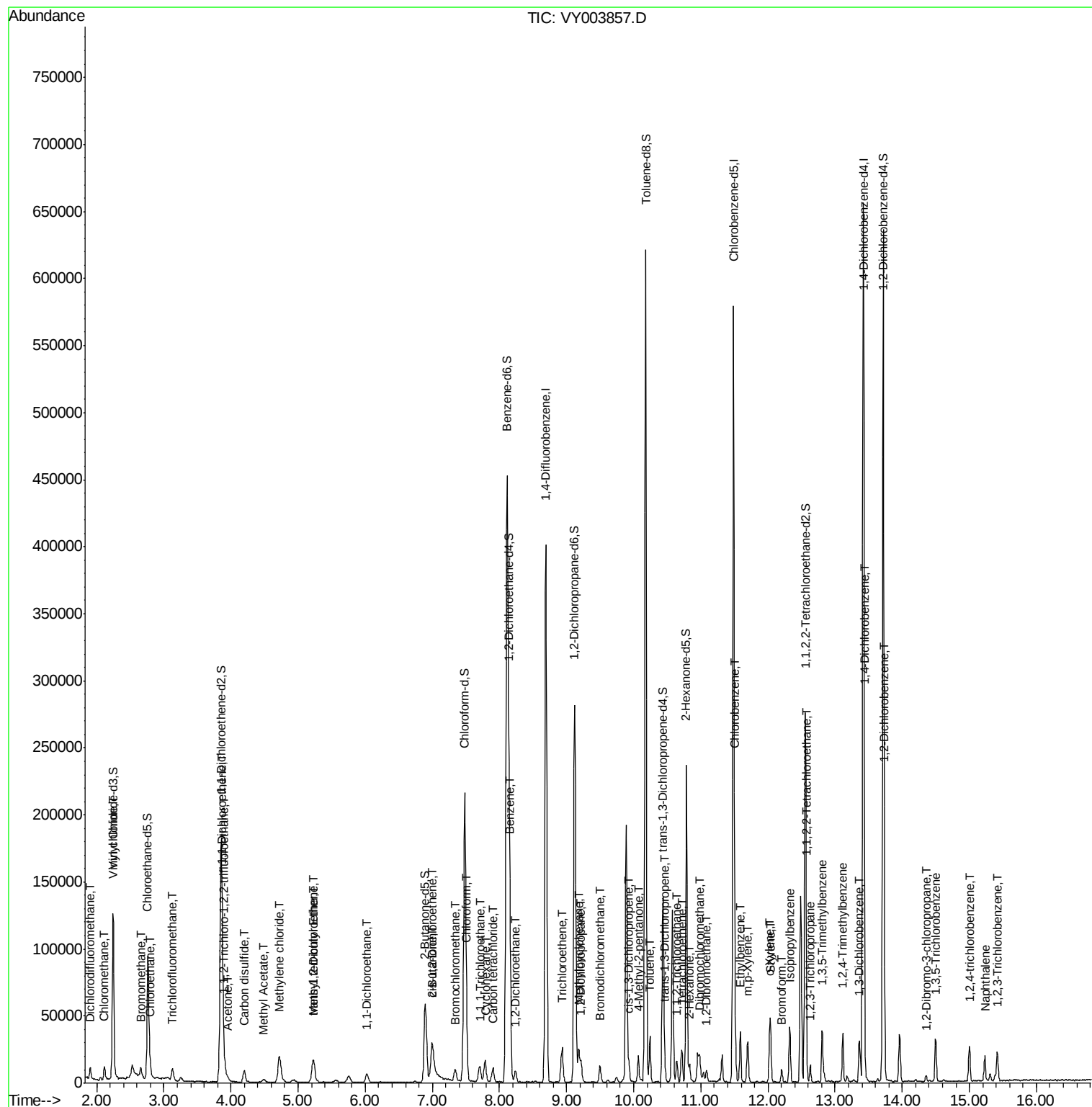
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122920\
 Data File : VY003857.D
 Acq On : 29 Dec 2020 17:29
 Operator : SY/MD
 Sample : L4485-03
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

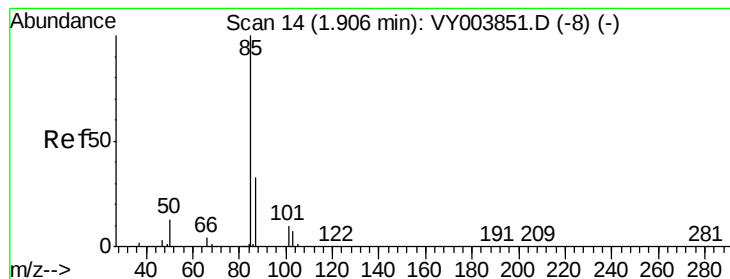
Instrument :
 MSVOA_Y
 Client Sample Id :
 MDL-SOIL-03

Manual Integrations
 APPROVED

MMDadoda
 12/30/2020 6:36:29 PM

Quant Time: Dec 30 07:37:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 30 07:32:29 2020
 Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.305 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Tot Ion: 85 Resp: 7177

Ion Ratio Lower Upper

85 100

87 29.2 25.4 38.2

Instrument :

MSVOA_Y

ClientSampleId :

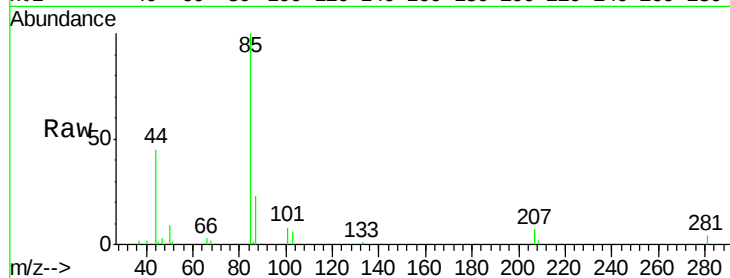
MDL-SOIL-03

Manual Integrations

APPROVED

MMDadoda

12/30/2020 6:36:29 PM



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

1.91

6000

5000

4000

3000

2000

1000

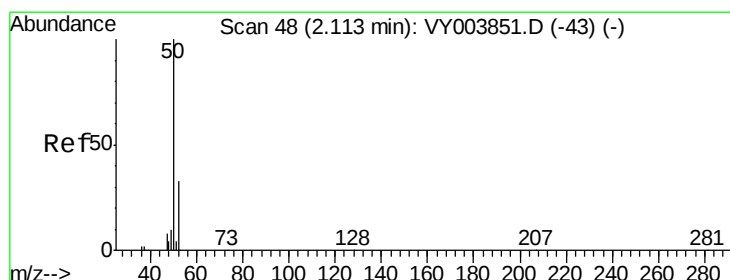
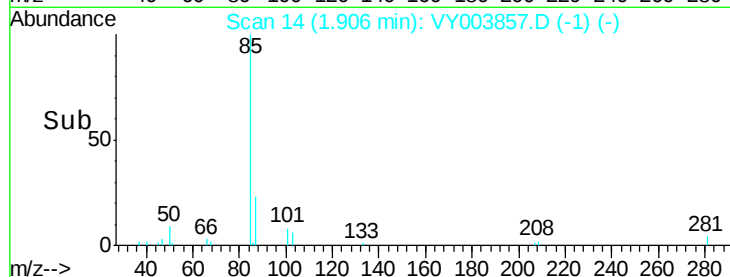
0

1.85

1.90

1.95

Time-->



#3

Chloromethane

Concen: 1.313 ug/L

RT: 2.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VY003857.D

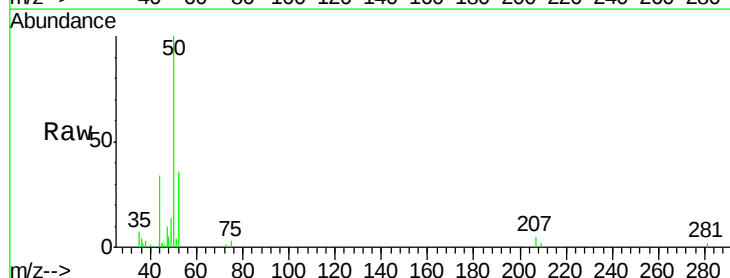
Acq: 29 Dec 2020 17:29

Tgt Ion: 50 Resp: 8083

Ion Ratio Lower Upper

50 100

52 36.3 22.0 41.0



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

2.11

6000

5000

4000

3000

2000

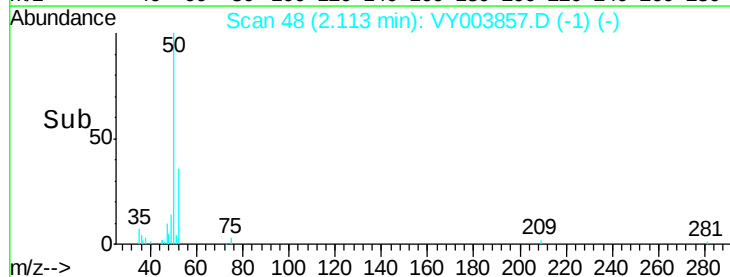
1000

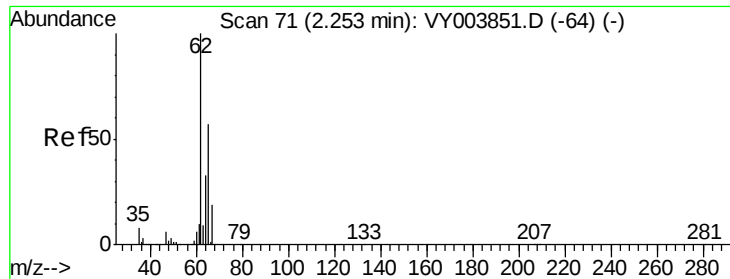
0

2.10

2.15

Time-->





#5

Vinyl chloride

Concen: 1.187 ug/L m

RT: 2.25 min Scan# 71

Delta R.T. 0.00 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03

Tot Ion: 62 Resp: 7757

Ion Ratio Lower Upper

62 100

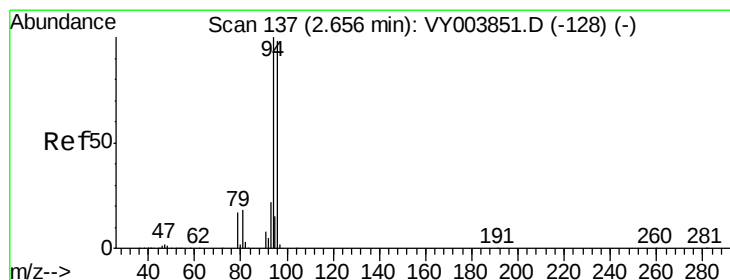
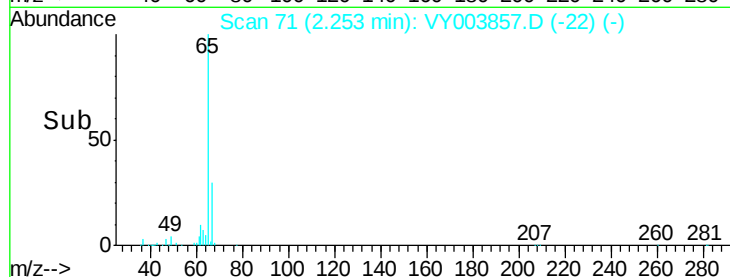
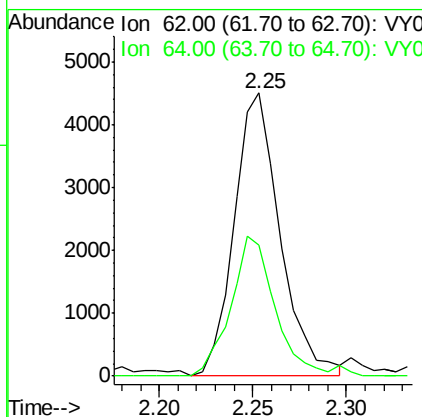
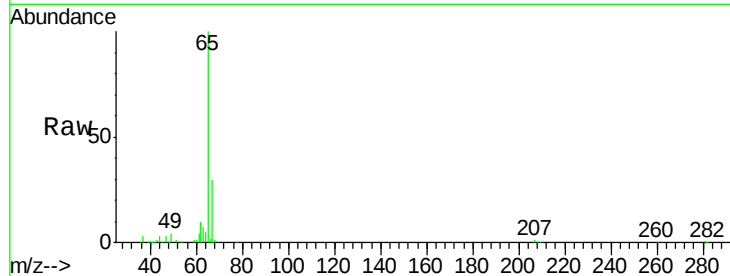
64 46.5 23.2 43.2#

Manual Integrations

APPROVED

MMDadoda

12/30/2020 6:36:29 PM



#6

Bromomethane

Concen: 1.209 ug/L

RT: 2.66 min Scan# 137

Delta R.T. 0.00 min

Lab File: VY003857.D

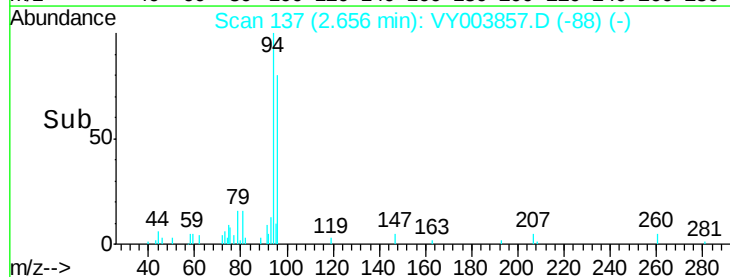
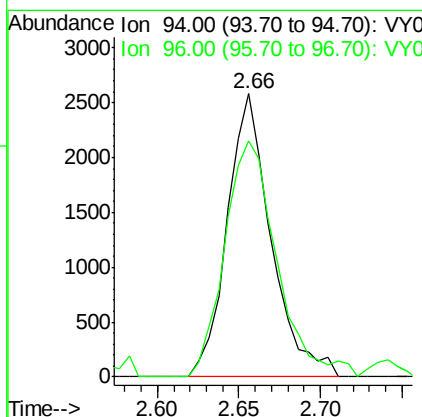
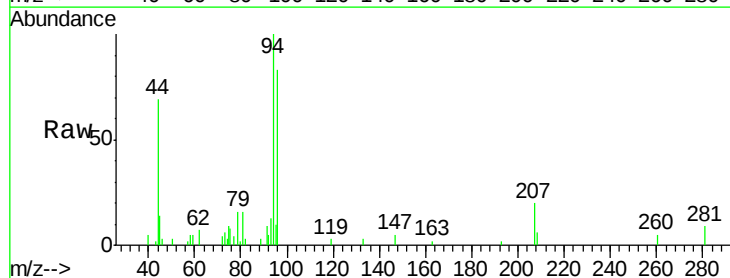
Acq: 29 Dec 2020 17:29

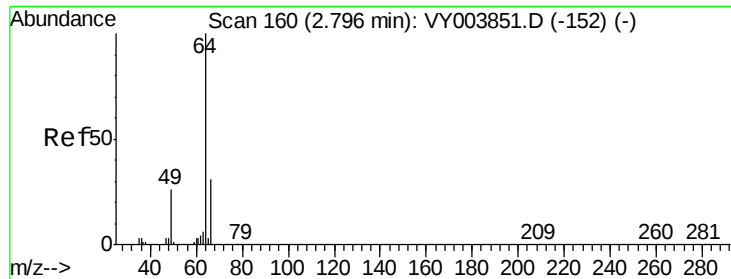
Tgt Ion: 94 Resp: 4828

Ion Ratio Lower Upper

94 100

96 83.3 64.3 119.3





#8

Chloroethane

Concen: 1.090 ug/L

RT: 2.80 min Scan# 161

Delta R.T. 0.01 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03

Tot Ion: 64 Resp: 4299

Ion Ratio Lower Upper

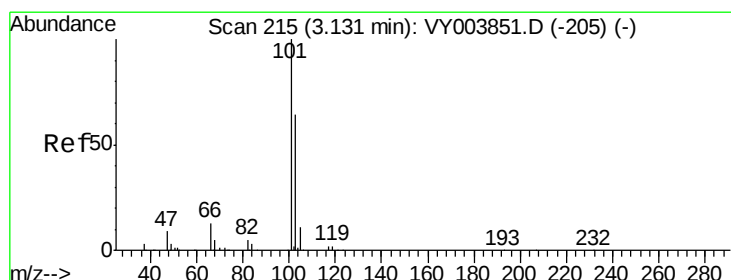
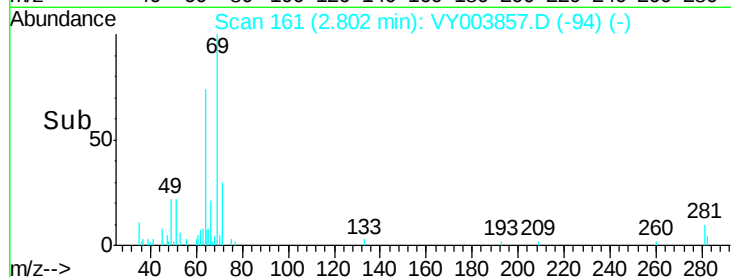
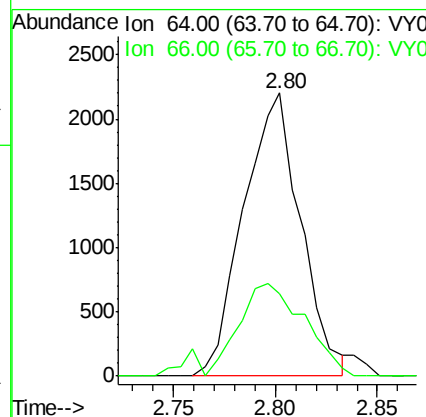
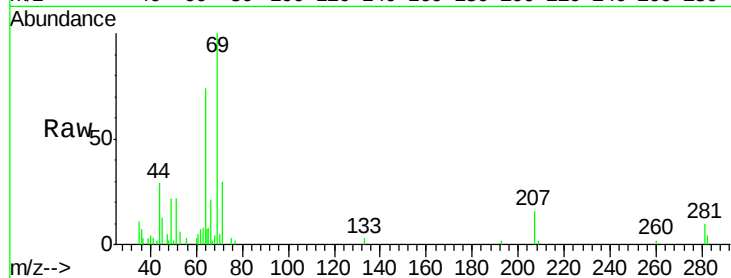
64 100

66 29.0 22.5 41.7

Manual Integrations
APPROVED

MMDadoda

12/30/2020 6:36:29 PM



#9

Trichlorofluoromethane

Concen: 1.136 ug/L

RT: 3.13 min Scan# 215

Delta R.T. 0.00 min

Lab File: VY003857.D

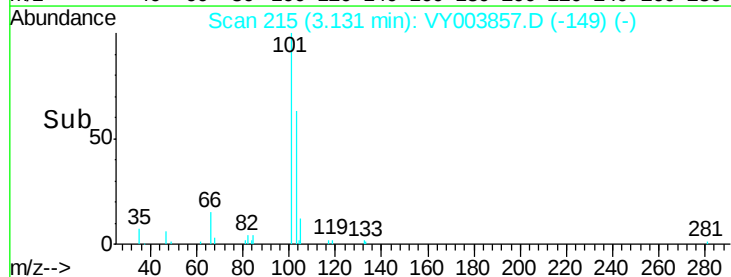
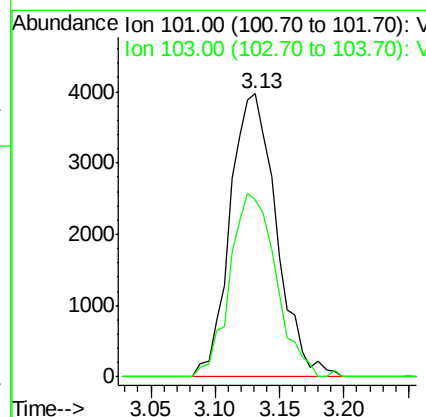
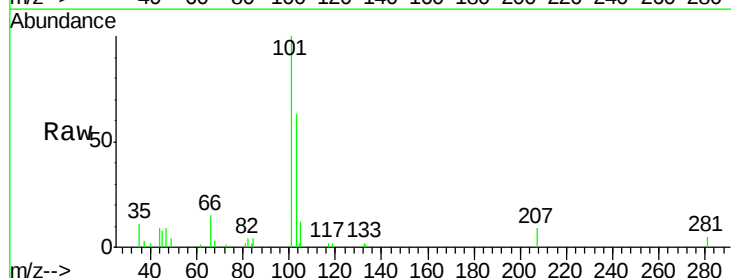
Acq: 29 Dec 2020 17:29

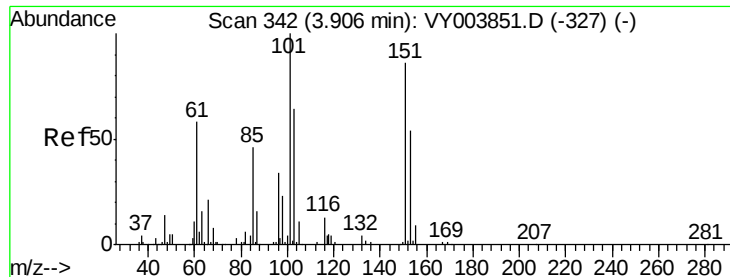
Tgt Ion: 101 Resp: 9914

Ion Ratio Lower Upper

101 100

103 64.4 51.4 77.0





#10

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

Concen: 1.410 ug/L m

RT: 3.90 min Scan# 341

Delta R.T. -0.01 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Instrument :

MSVOA_Y

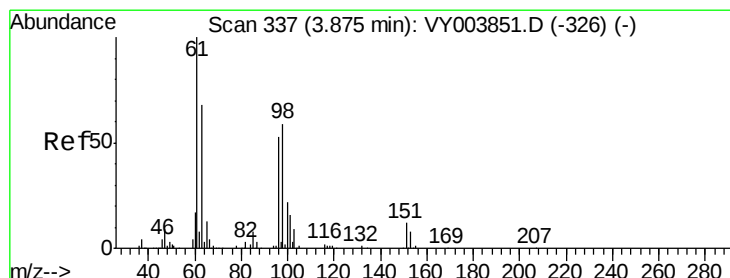
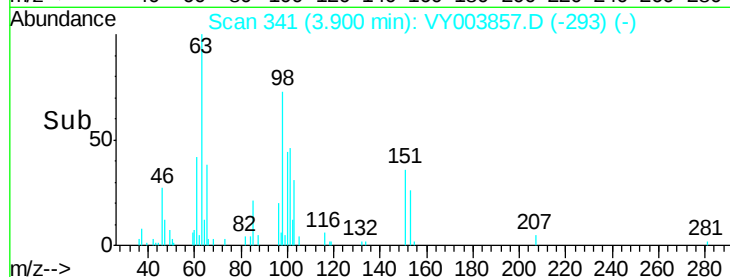
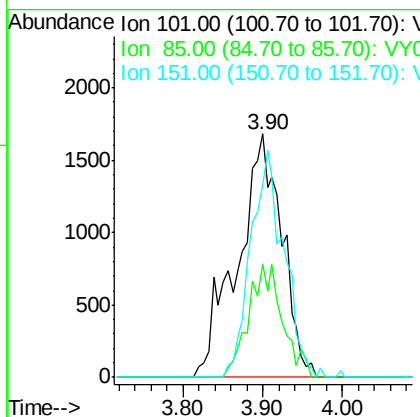
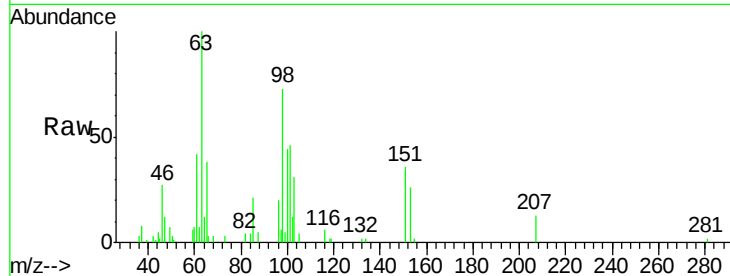
ClientSampleId :

MDL-SOIL-03

Tot Ion:	101	Resp:	6461
Ion Ratio	Lower	Upper	
101	100		
85	33.6	37.1	55.7#
151	69.4	66.4	99.6

Manual Integrations
APPROVED

MMDadoda
12/30/2020 6:36:29 PM



#12

1,1-Dichloroethene

Concen: 1.362 ug/L

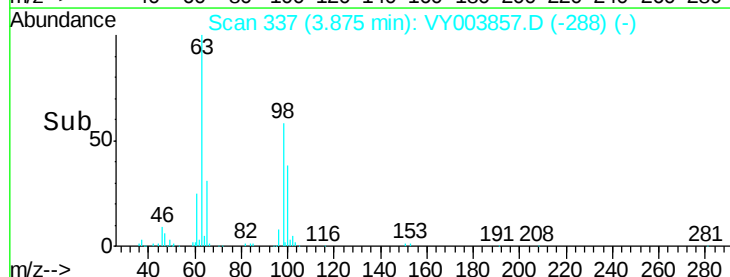
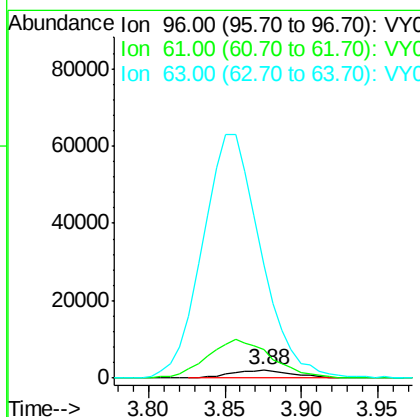
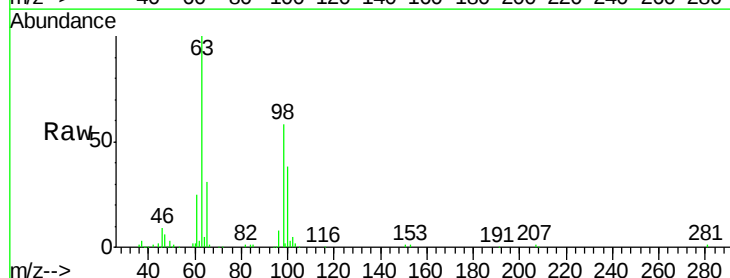
RT: 3.88 min Scan# 337

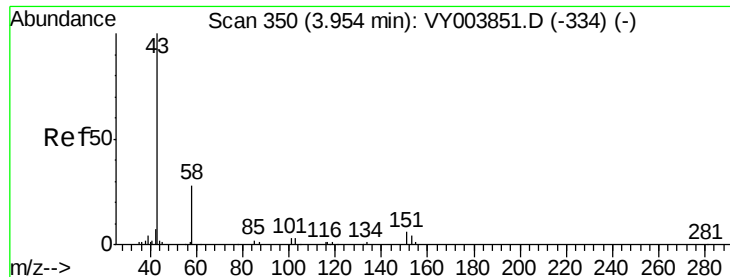
Delta R.T. 0.00 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Tgt Ion:	96	Resp:	5860
Ion Ratio	Lower	Upper	
96	100		
61	329.4	123.8	230.0#
63	1325.3	85.3	158.3#





#13

Acetone

Concen: 3.256 ug/L

RT: 3.95 min Scan# 350

Delta R.T. 0.00 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03

Tot Ion: 43 Resp: 5129

Ion Ratio Lower Upper

43 100

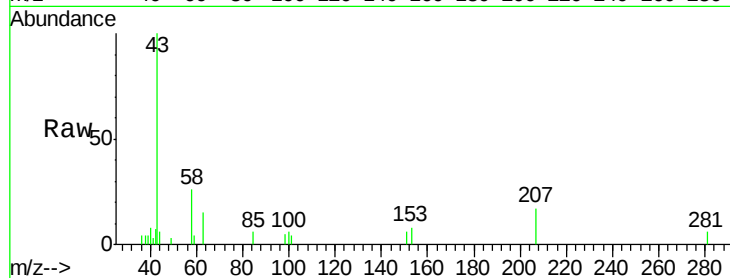
58 25.3 0.0 58.4

Manual Integrations

APPROVED

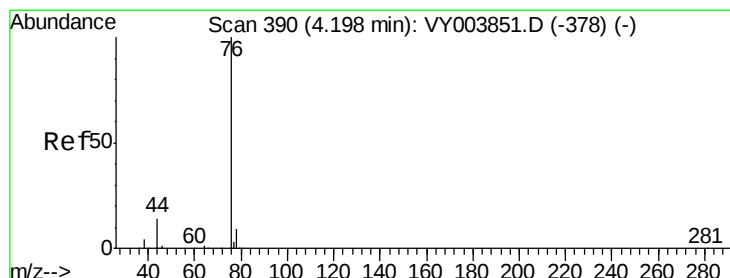
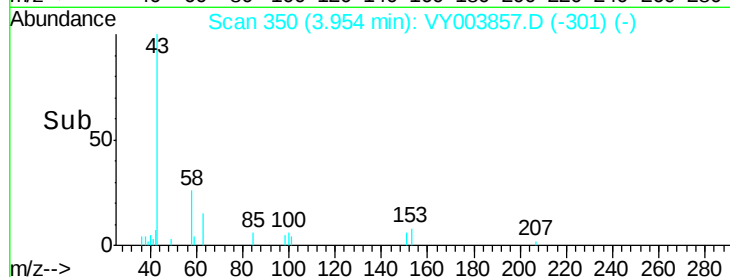
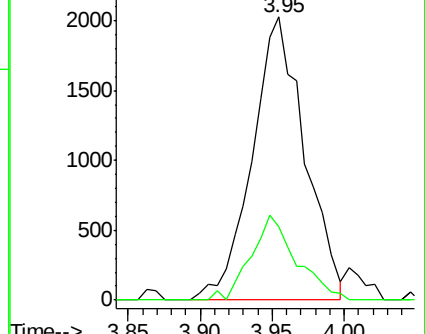
MMDadoda

12/30/2020 6:36:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 1.080 ug/L

RT: 4.20 min Scan# 390

Delta R.T. 0.00 min

Lab File: VY003857.D

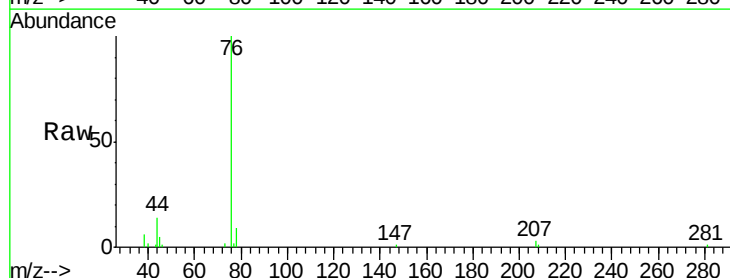
Acq: 29 Dec 2020 17:29

Tgt Ion: 76 Resp: 15643

Ion Ratio Lower Upper

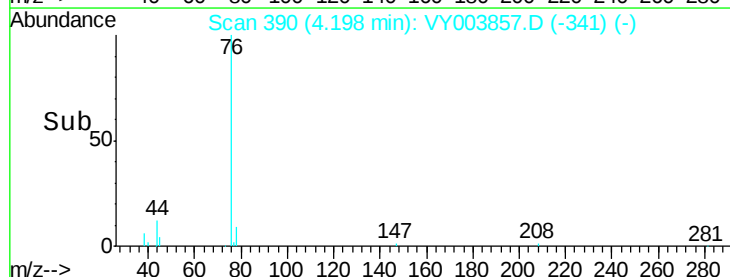
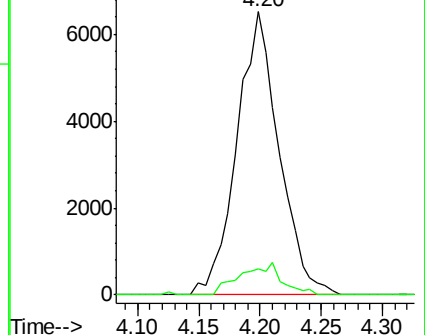
76 100

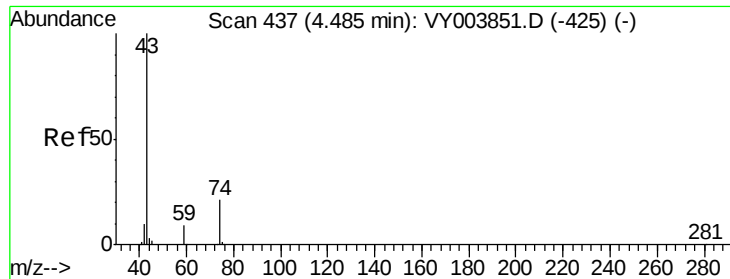
78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0





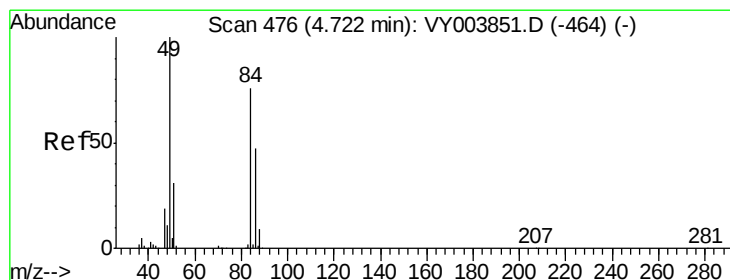
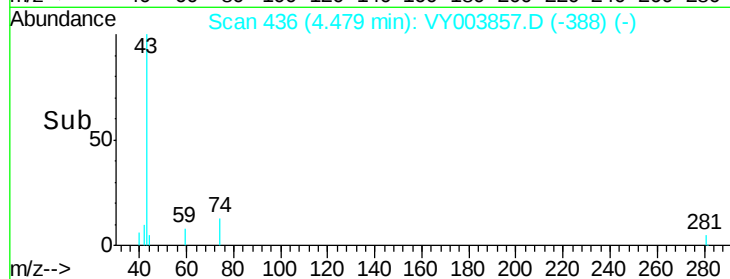
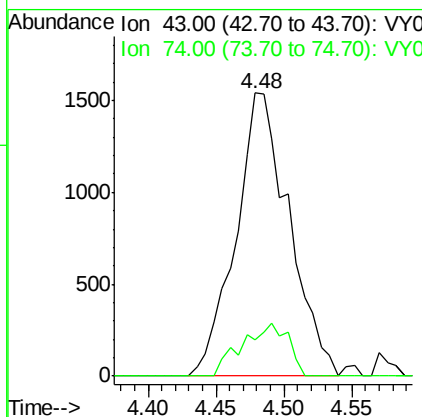
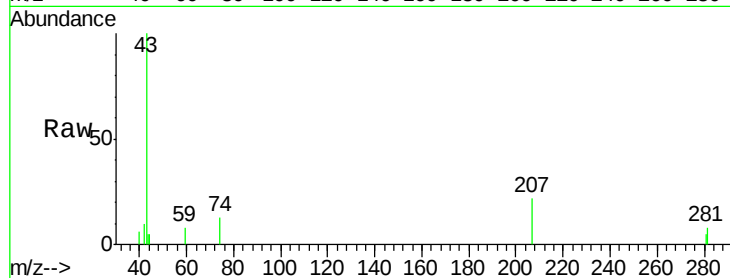
#15
Methyl Acetate
Concen: 1.163 ug/L
RT: 4.48 min Scan# 436
Delta R.T. -0.01 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03

Tot Ion: 43 Resp: 4214
Ion Ratio Lower Upper
43 100
74 3.7 17.4 26.2#

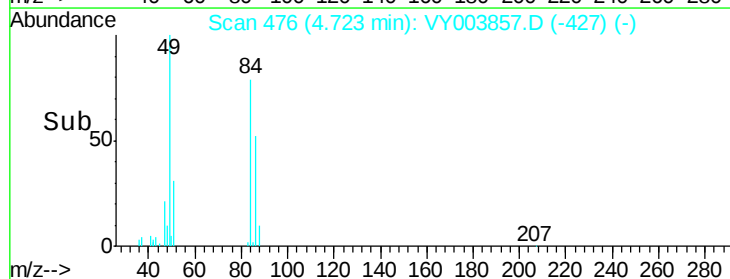
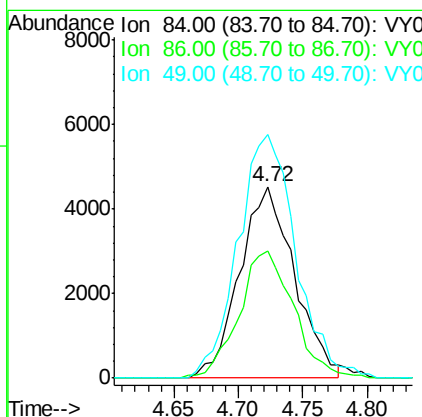
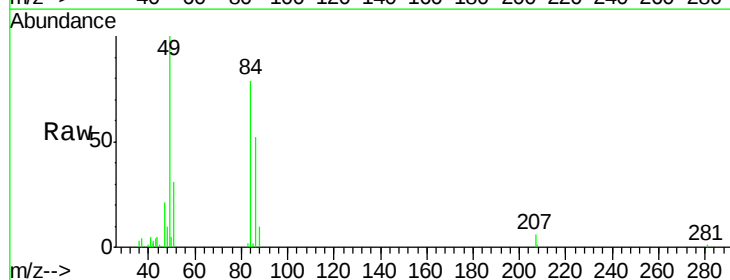
Manual Integrations
APPROVED

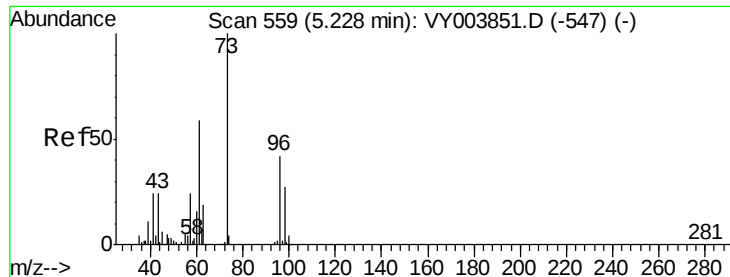
MMDadoda
12/30/2020 6:36:29 PM



#16
Methylene chloride
Concen: 2.546 ug/L
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Tgt Ion: 84 Resp: 13402
Ion Ratio Lower Upper
84 100
86 66.2 42.1 78.3
49 127.1 90.3 167.7





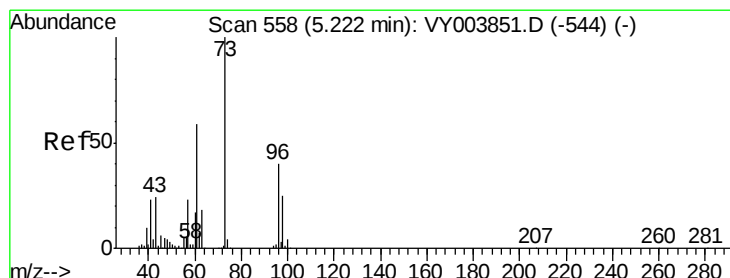
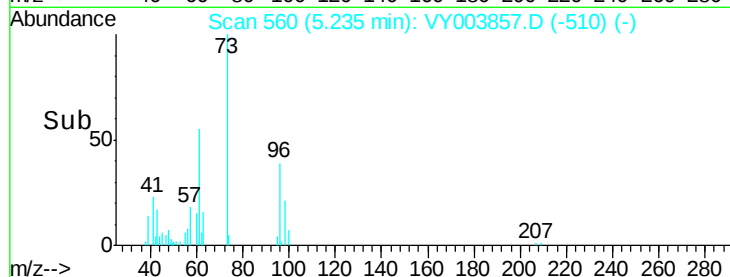
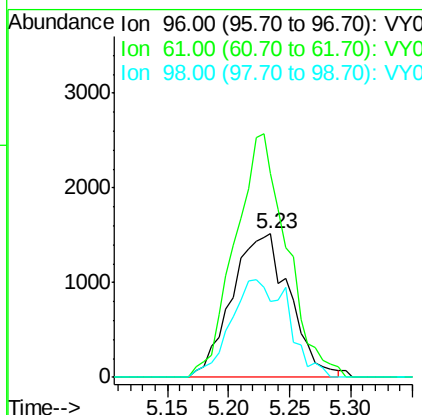
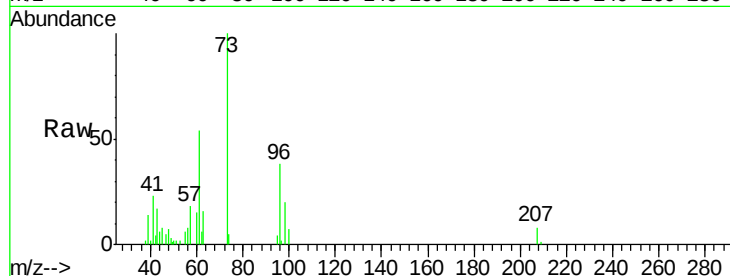
#17
trans-1,2-Dichloroethene
Concen: 1.060 ug/L
RT: 5.23 min Scan# 560
Delta R.T. 0.01 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.7	101.7	188.9
98	53.3	44.3	82.3

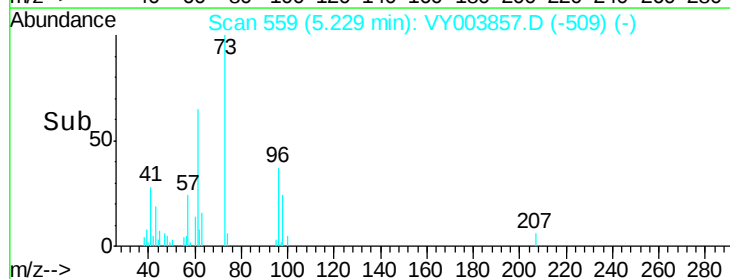
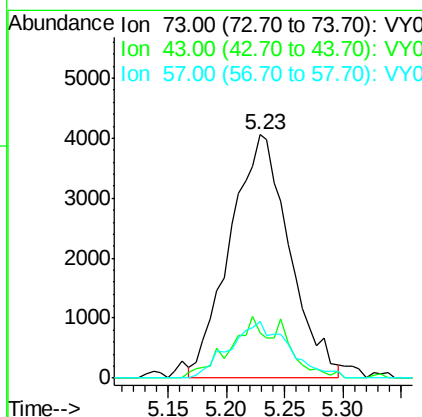
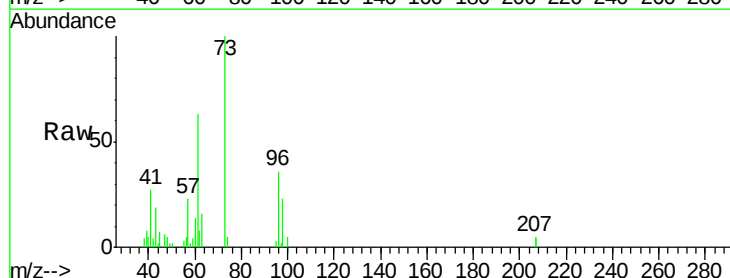
Manual Integrations
APPROVED

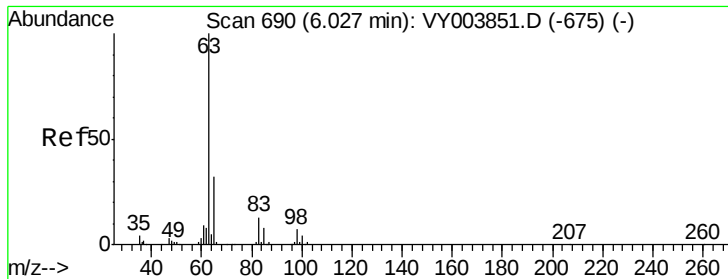
MMDadoda
12/30/2020 6:36:29 PM



#18
Methyl tert-butyl Ether
Concen: 1.032 ug/L
RT: 5.23 min Scan# 559
Delta R.T. 0.01 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Tgt Ion	Ratio	Lower	Upper
73	100		
43	10.4	18.4	27.6#
57	5.4	17.6	26.4#





#19

1,1-Dichloroethane

Concen: 1.048 ug/L

RT: 6.03 min Scan# 690

Delta R.T. 0.00 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Instrument :

MSVOA_Y

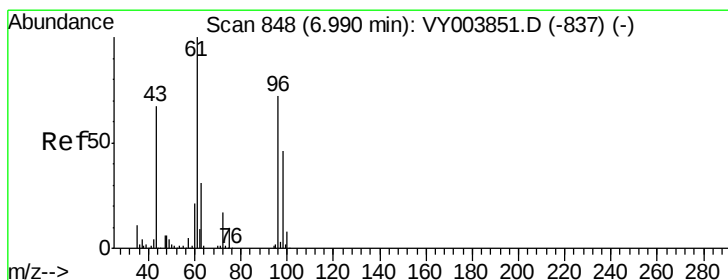
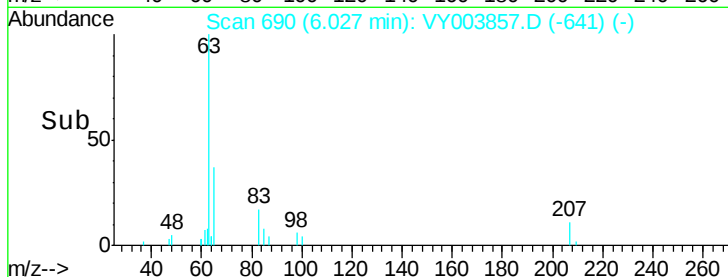
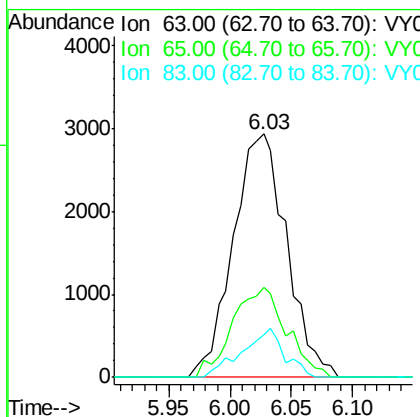
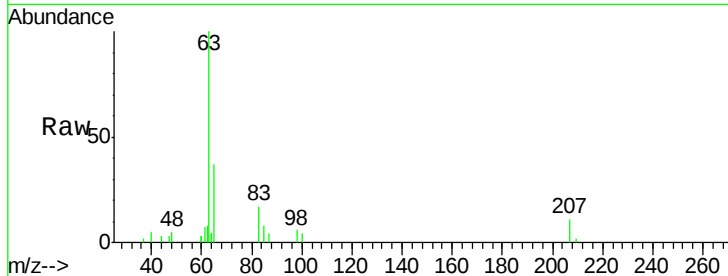
ClientSampleId :

MDL-SOIL-03

Tot Ion:	63	Resp:	8915
Ion	Ratio	Lower	Upper
63	100		
65	37.2	21.9	40.7
83	17.4	8.7	16.1#

Manual Integrations
APPROVED

MMDadoda
12/30/2020 6:36:29 PM



#20

cis-1,2-Dichloroethene

Concen: 1.079 ug/L m

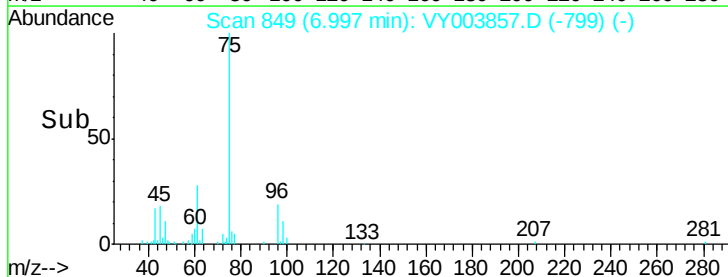
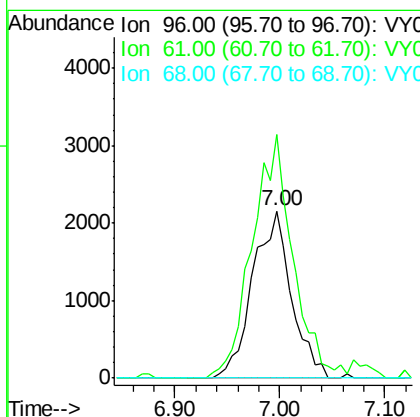
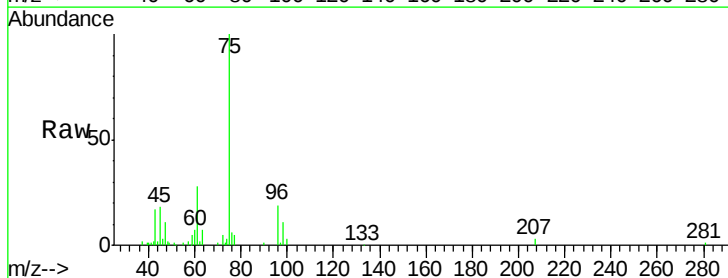
RT: 7.00 min Scan# 849

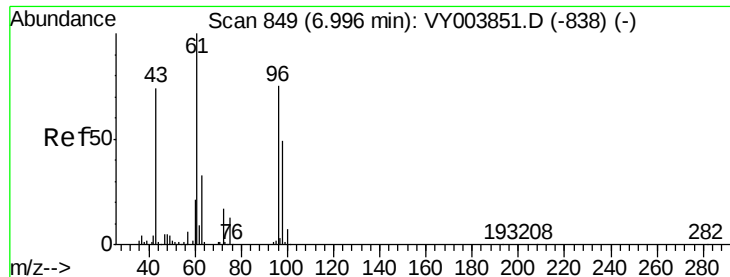
Delta R.T. 0.01 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Tgt Ion:	96	Resp:	5491
Ion	Ratio	Lower	Upper
96	100		
61	145.7	90.6	168.3
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 2.744 ug/L m

RT: 6.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03

Tot Ion: 43 Resp: 6699

Ion Ratio Lower Upper

43 100

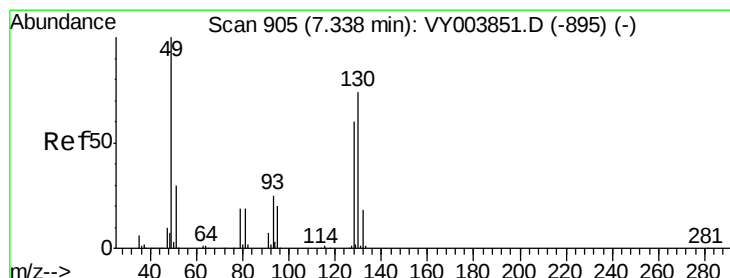
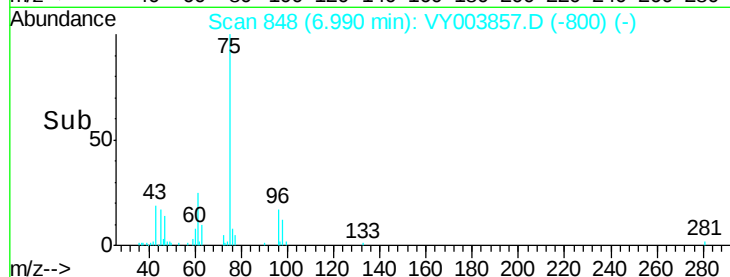
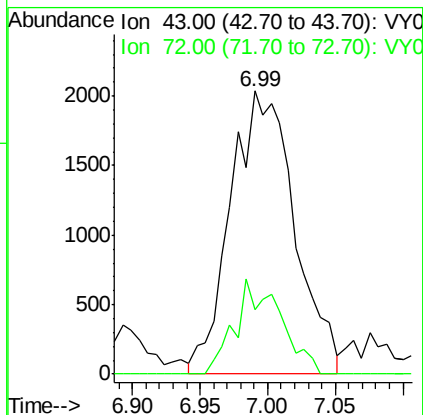
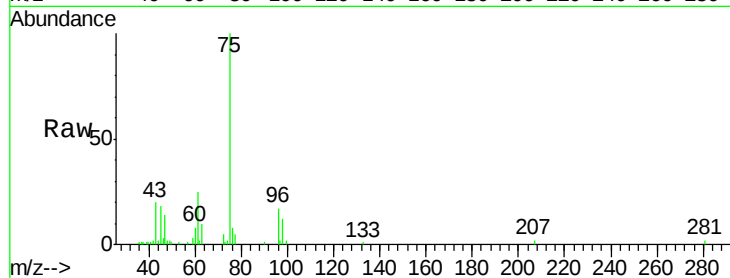
72 6.3 12.6 37.8#

Manual Integrations

APPROVED

MMDadoda

12/30/2020 6:36:29 PM



#23

Bromochloromethane

Concen: 1.013 ug/L

RT: 7.34 min Scan# 906

Delta R.T. 0.01 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Tgt Ion: 128 Resp: 2551

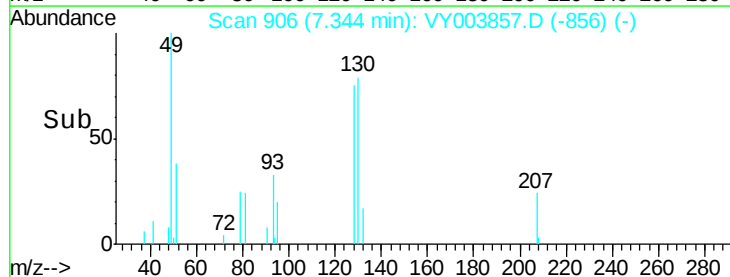
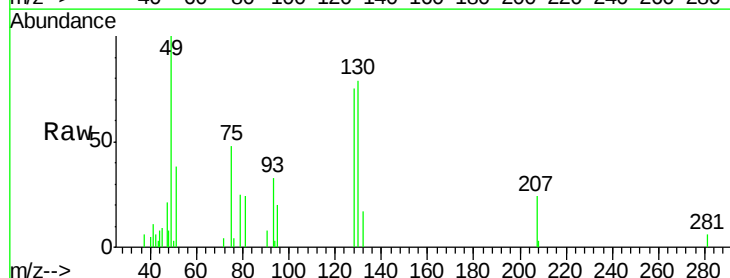
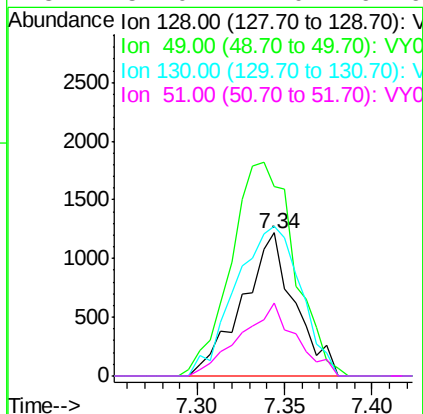
Ion Ratio Lower Upper

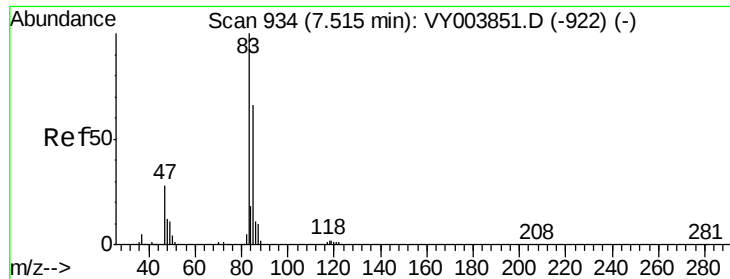
128 100

49 132.7 114.4 212.4

130 105.1 88.8 164.8

51 51.0 41.0 61.6





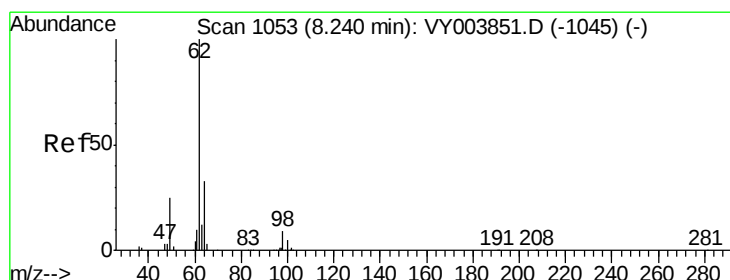
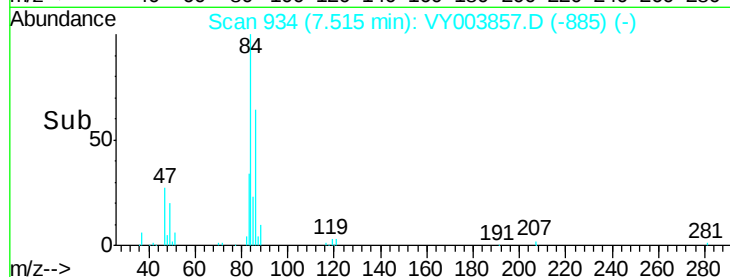
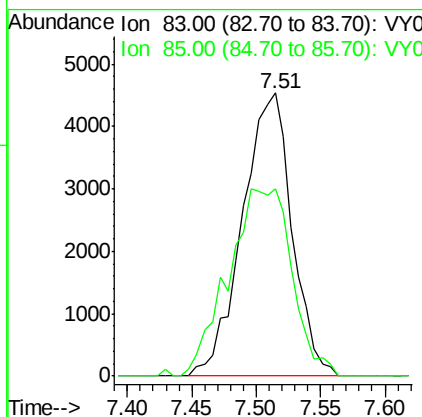
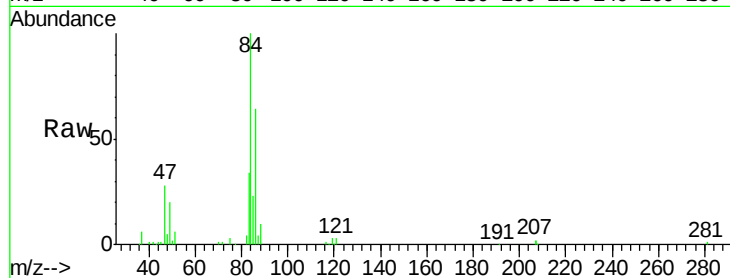
#25
Chloroform
Concen: 1.361 ug/L
RT: 7.51 min Scan# 934
Delta R.T. 0.00 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03

Tot Ion	83	Resp	12135
Ion Ratio	100	Lower	Upper
83	100		
85	66.2	44.2	82.2

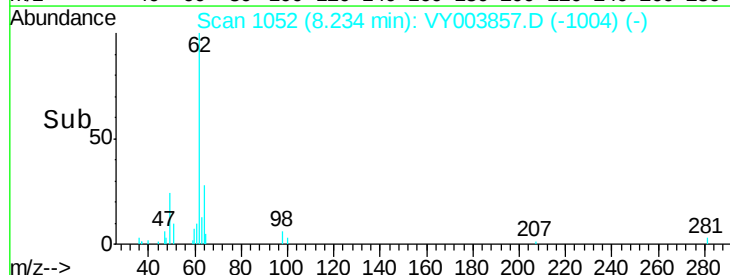
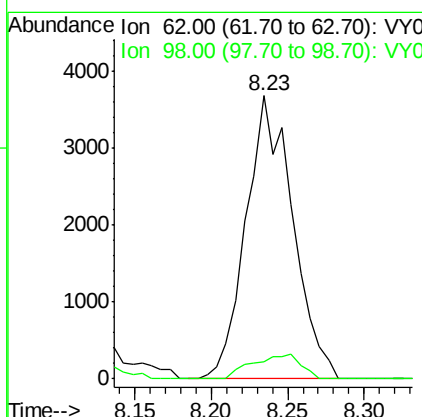
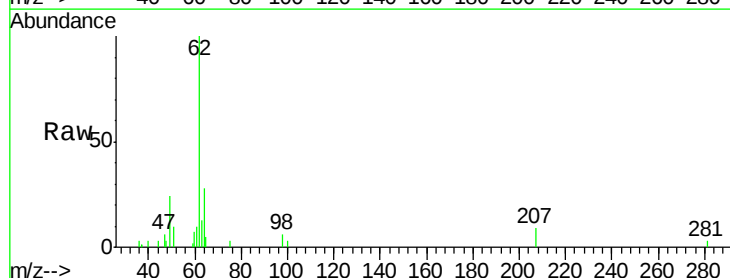
Manual Integrations
APPROVED

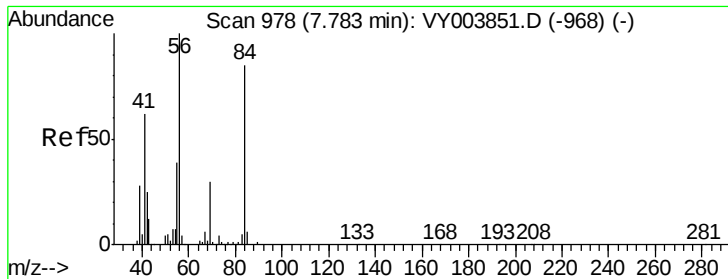
MMDadoda
12/30/2020 6:36:29 PM



#27
1,2-Dichloroethane
Concen: 1.128 ug/L
RT: 8.23 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Tgt Ion	62	Resp	7820
Ion Ratio	100	Lower	Upper
62	100		
98	6.3	6.8	10.2#





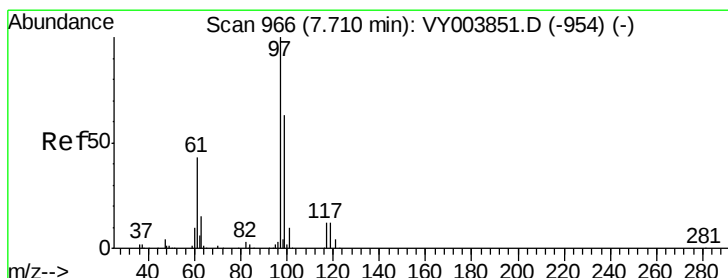
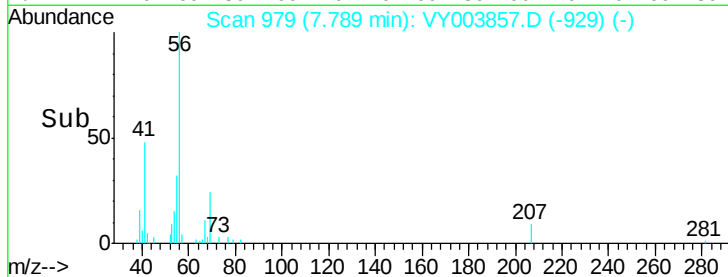
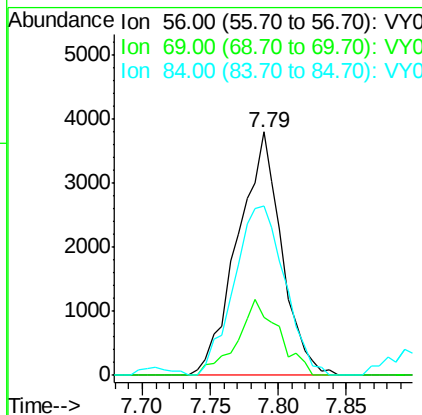
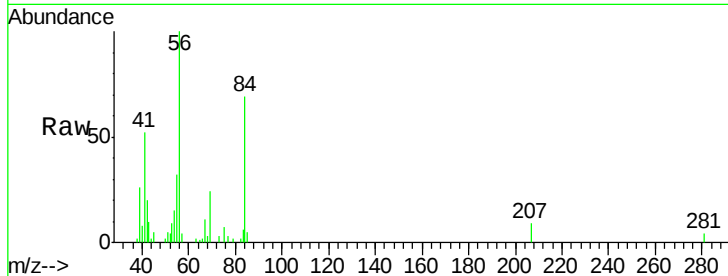
#29
Cyclohexane
Concen: 1.077 ug/L
RT: 7.79 min Scan# 979
Delta R.T. 0.01 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03

Tot Ion	56	Resp	8568
Ion Ratio	Lower	Upper	
56	100		
69	27.3	24.2	36.2
84	80.3	68.7	103.1

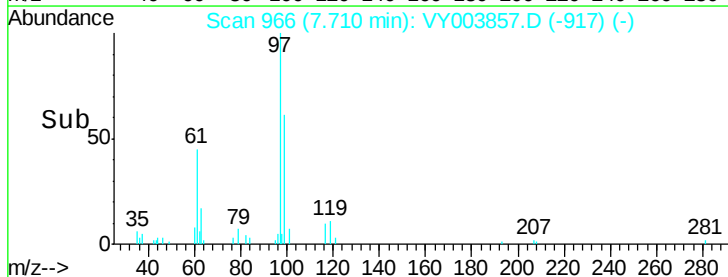
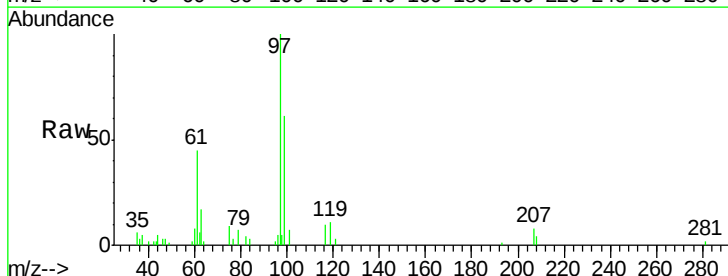
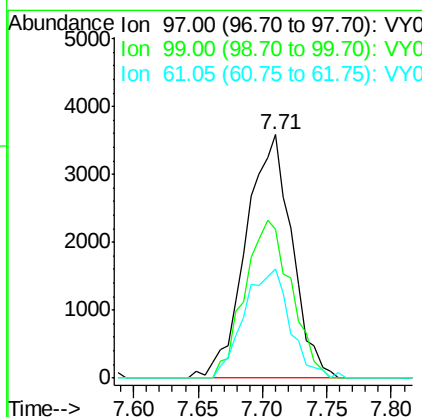
Manual Integrations
APPROVED

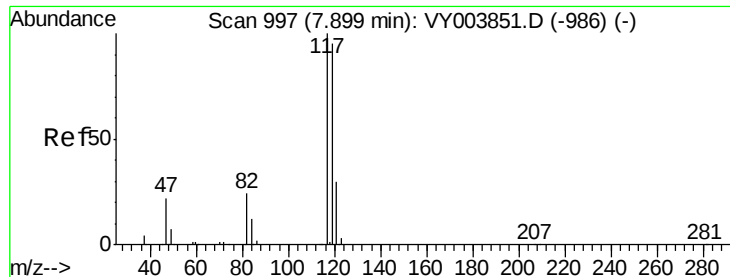
MMDadoda
12/30/2020 6:36:29 PM



#30
1,1,1-Trichloroethane
Concen: 1.089 ug/L
RT: 7.71 min Scan# 966
Delta R.T. 0.00 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Tgt Ion	97	Resp	8895
Ion Ratio	Lower	Upper	
97	100		
99	65.4	50.5	75.7
61	44.3	35.5	53.3





#31

Carbon tetrachloride

Concen: 1.113 ug/L m

RT: 7.90 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03

Tot Ion:117 Resp: 8408

Ion Ratio Lower Upper

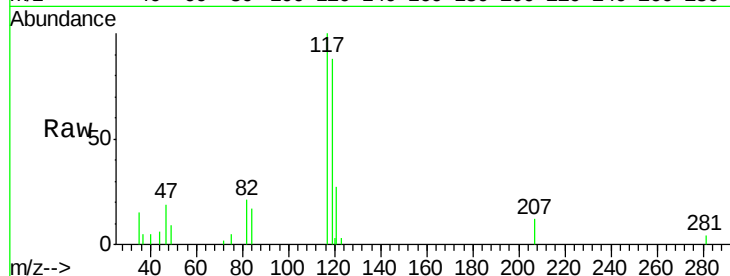
117 100

119 9.3 76.2 114.4#

Manual Integrations
APPROVED

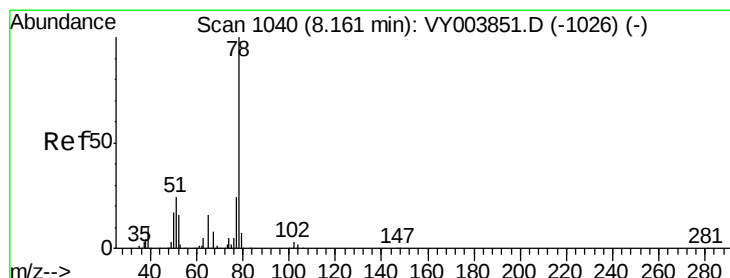
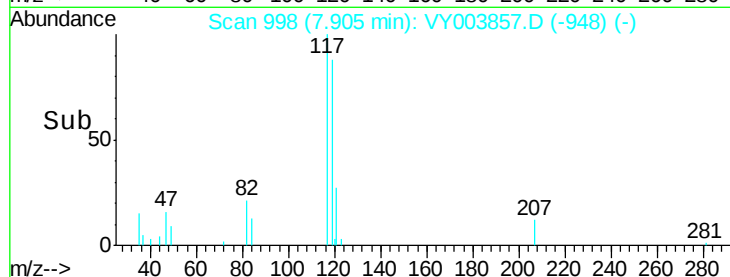
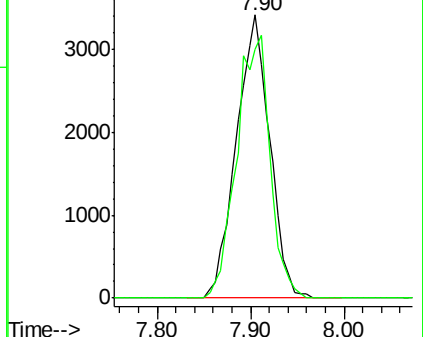
MMDadoda

12/30/2020 6:36:29 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 1.056 ug/L

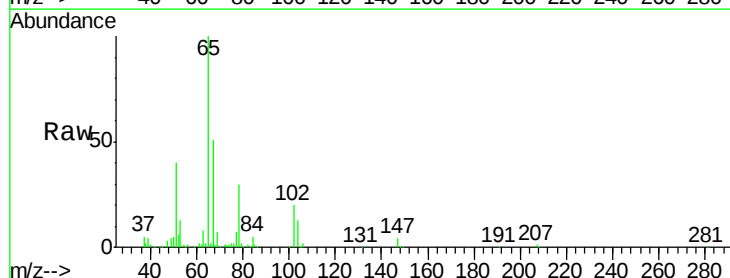
RT: 8.16 min Scan# 1040

Delta R.T. 0.00 min

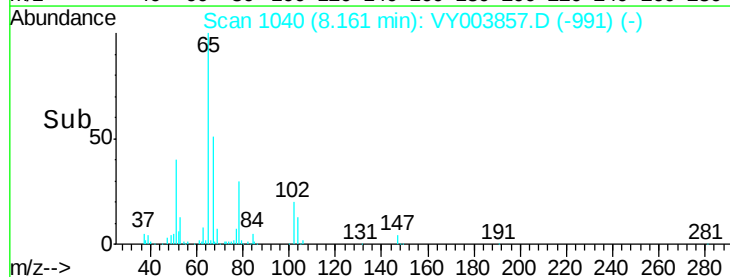
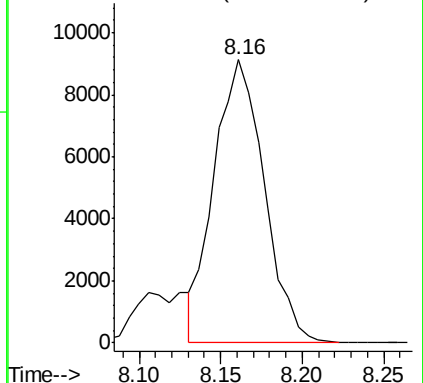
Lab File: VY003857.D

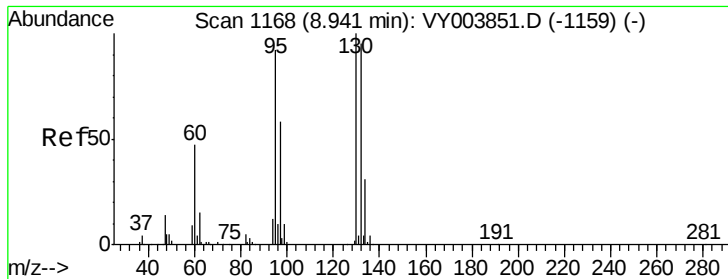
Acq: 29 Dec 2020 17:29

Tgt Ion: 78 Resp: 19598



Abundance Ion 78.00 (77.70 to 78.70): VY0





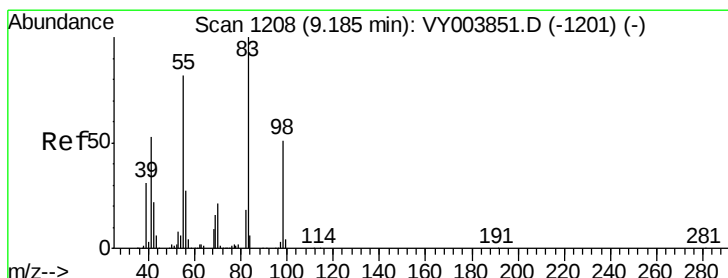
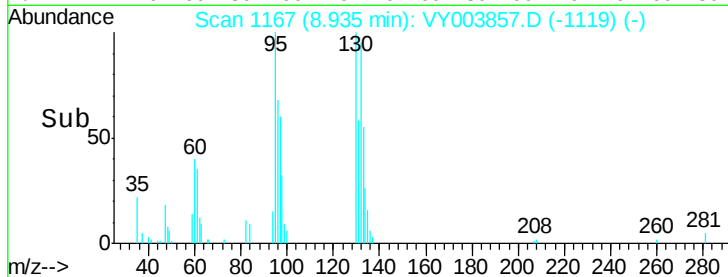
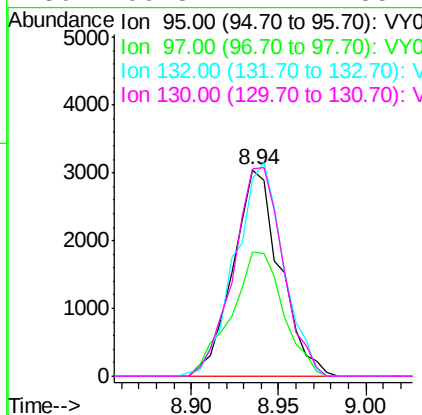
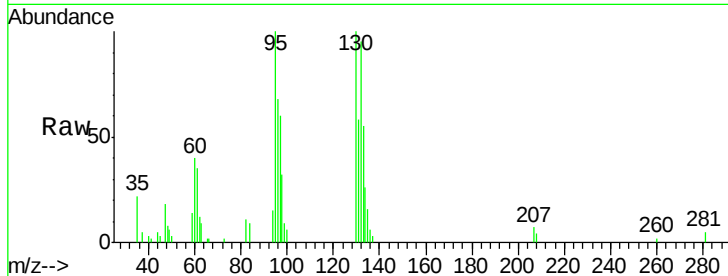
#34
 Trichloroethene
 Concen: 1.109 ug/L
 RT: 8.94 min Scan# 1167
 Delta R.T. -0.01 min
 Lab File: VY003857.D
 Acq: 29 Dec 2020 17:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03

Tot Ion:	95	Resp:	5690
Ion	Ratio	Lower	Upper
95	100		
97	59.9	44.4	82.5
132	95.3	71.8	133.4
130	100.3	74.4	138.2

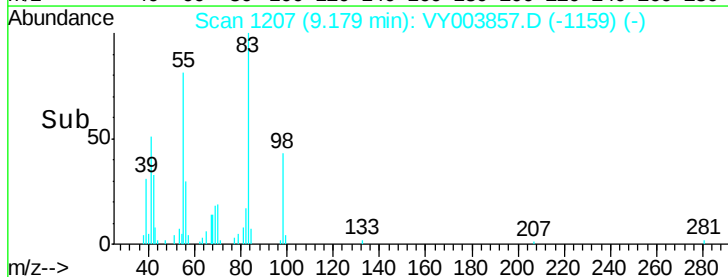
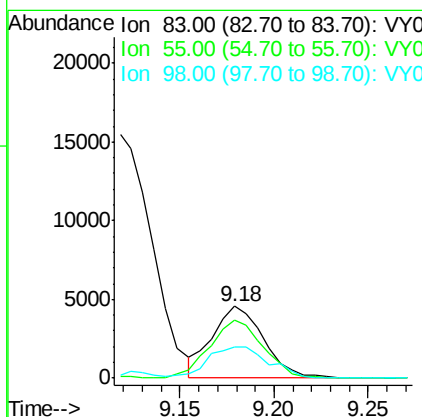
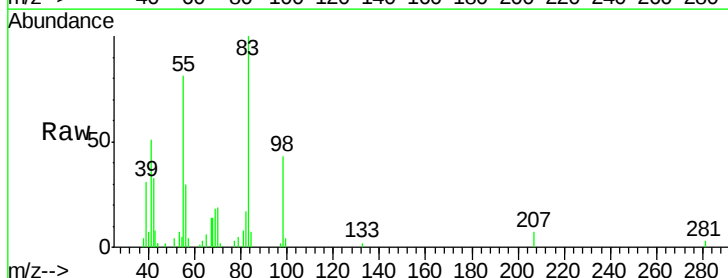
Manual Integrations
 APPROVED

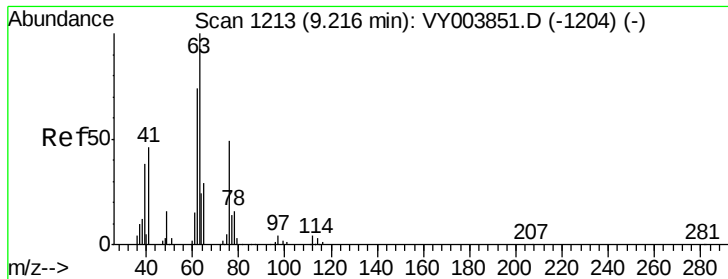
MMDadoda
 12/30/2020 6:36:29 PM



#35
 Methylcyclohexane
 Concen: 1.035 ug/L
 RT: 9.18 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VY003857.D
 Acq: 29 Dec 2020 17:29

Tgt Ion:	83	Resp:	8642
Ion	Ratio	Lower	Upper
83	100		
55	84.0	62.9	94.3
98	51.5	39.7	59.5





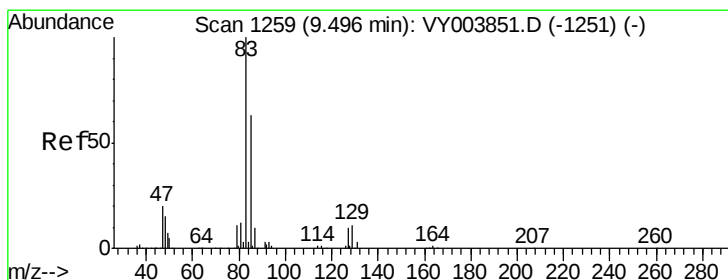
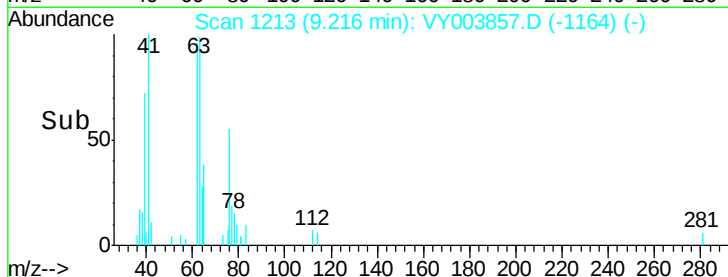
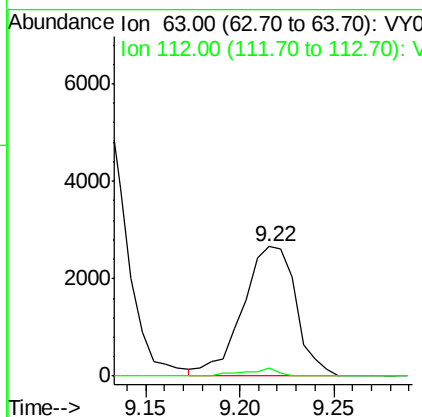
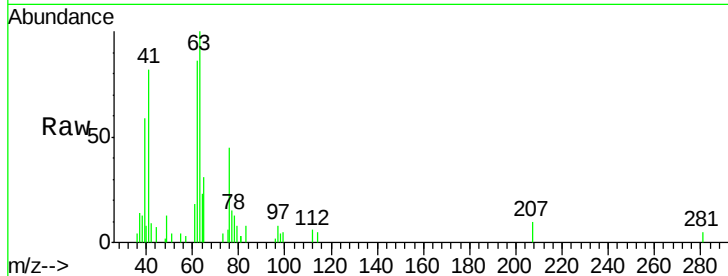
#37
 1,2-Dichloropropane
 Concen: 1.103 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VY003857.D
 Acq: 29 Dec 2020 17:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03

Tot Ion: 63 Resp: 5209
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.7 5.5

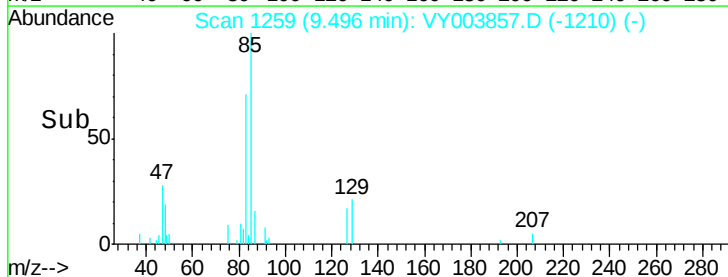
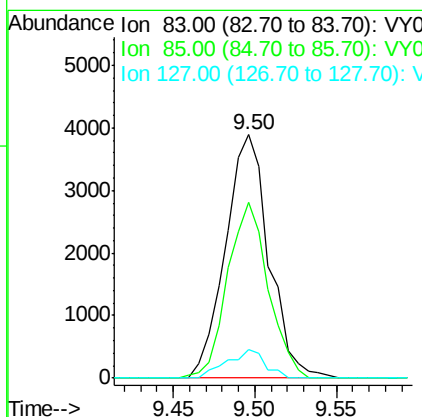
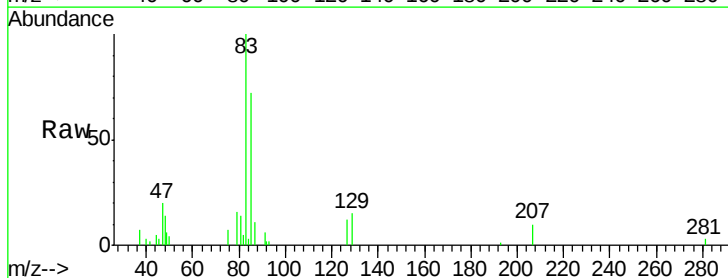
Manual Integrations
 APPROVED

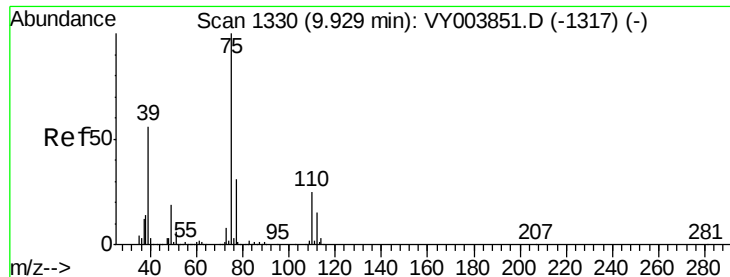
MMDadoda
 12/30/2020 6:36:29 PM



#38
 Bromodichloromethane
 Concen: 1.084 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VY003857.D
 Acq: 29 Dec 2020 17:29

Tgt Ion: 83 Resp: 7218
 Ion Ratio Lower Upper
 83 100
 85 72.2 44.2 82.0
 127 11.9 7.3 10.9#





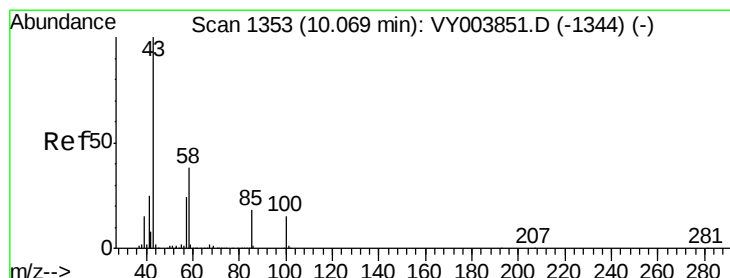
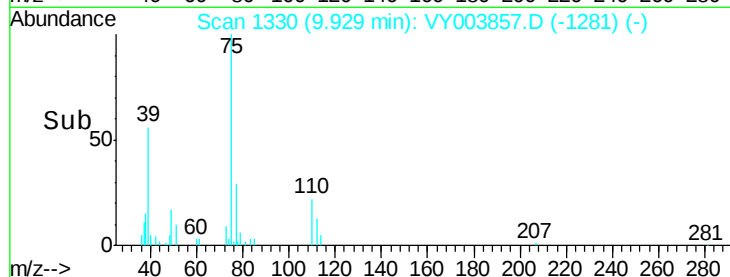
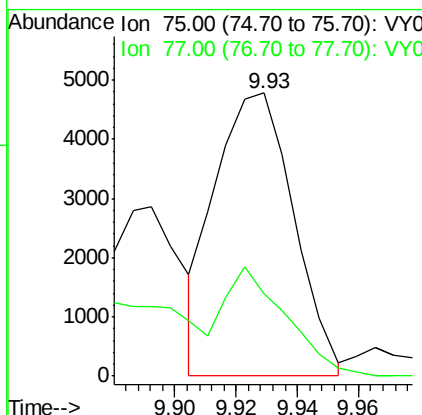
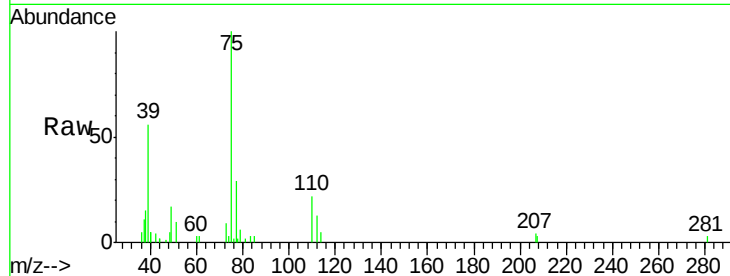
#39
 cis-1,3-Dichloropropene
 Concen: 1.053 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003857.D
 Acq: 29 Dec 2020 17:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03

Tot Ion: 75 Resp: 8499
 Ion Ratio Lower Upper
 75 100
 77 29.2 23.0 42.6

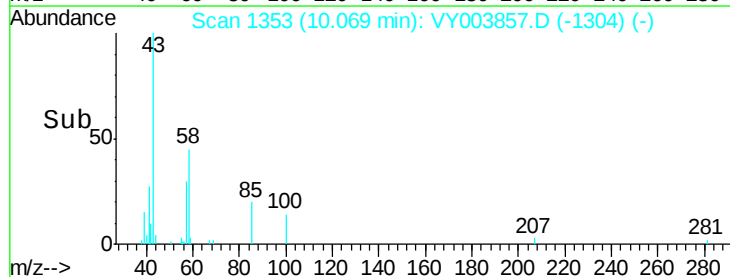
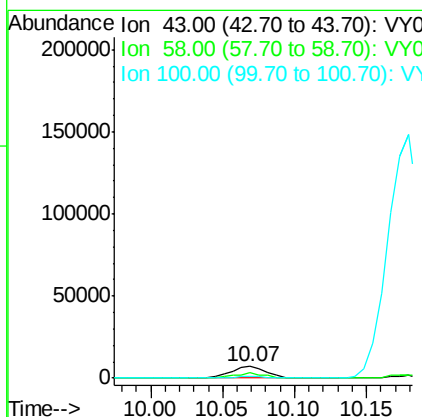
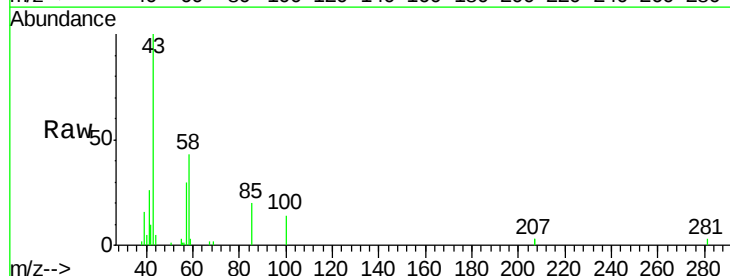
Manual Integrations
 APPROVED

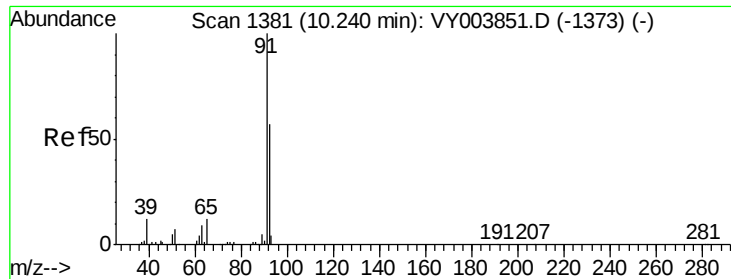
MMDadoda
 12/30/2020 6:36:29 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.485 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VY003857.D
 Acq: 29 Dec 2020 17:29

Tgt Ion: 43 Resp: 12533
 Ion Ratio Lower Upper
 43 100
 58 37.7 29.6 44.4
 100 13.6 11.8 17.6





#42

Toluene

Concen: 1.080 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03

Tot Ion: 91 Resp: 22178

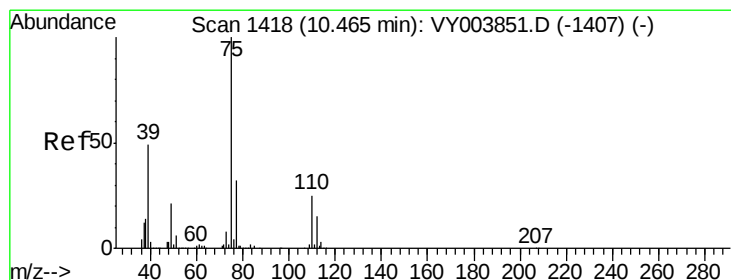
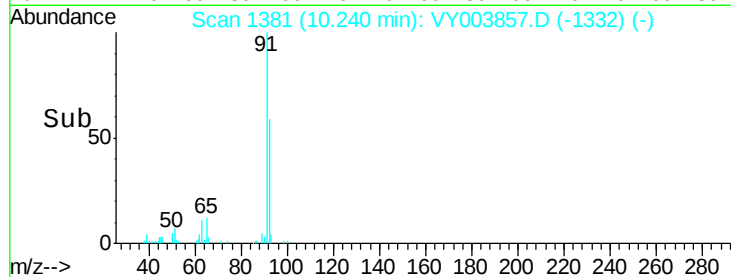
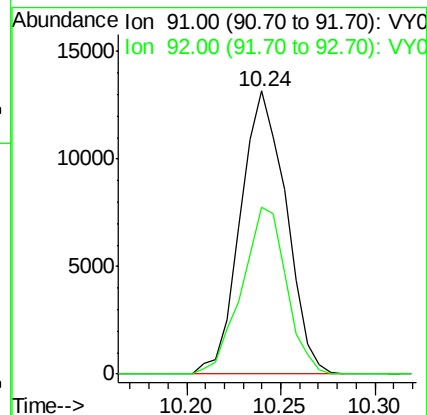
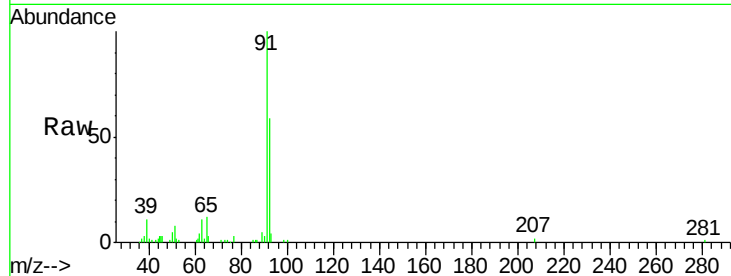
Ion Ratio Lower Upper

91 100

92 58.9 39.9 74.1

Manual Integrations
APPROVED

MMDadoda
12/30/2020 6:36:29 PM



#44

trans-1,3-Dichloropropene

Concen: 1.537 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VY003857.D

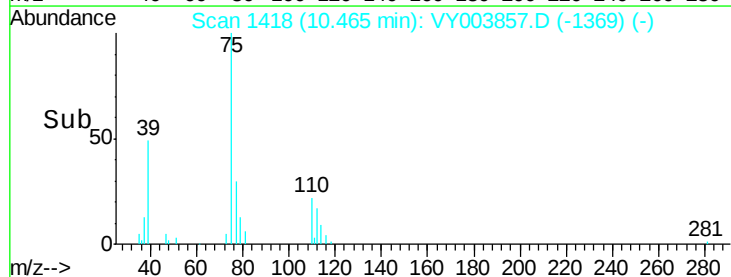
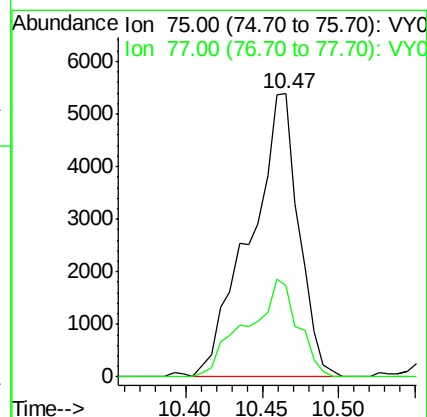
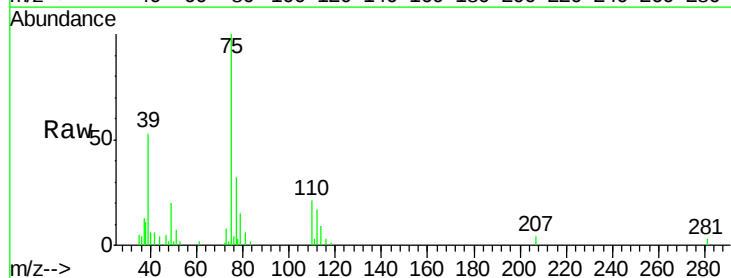
Acq: 29 Dec 2020 17:29

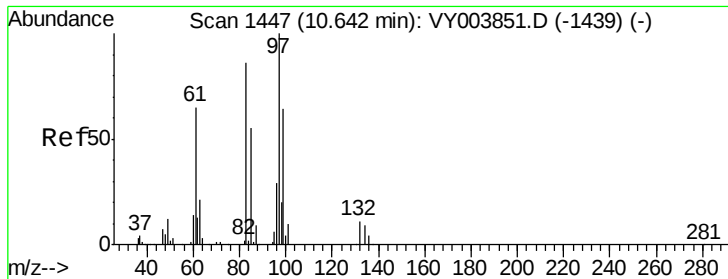
Tgt Ion: 75 Resp: 11977

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7





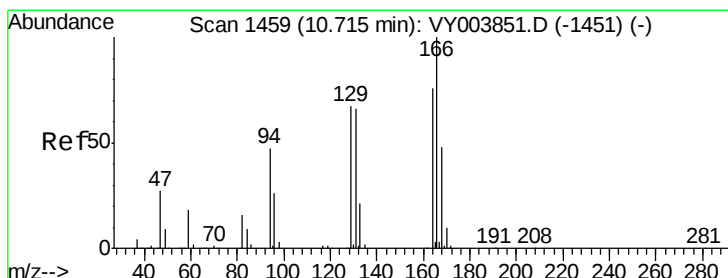
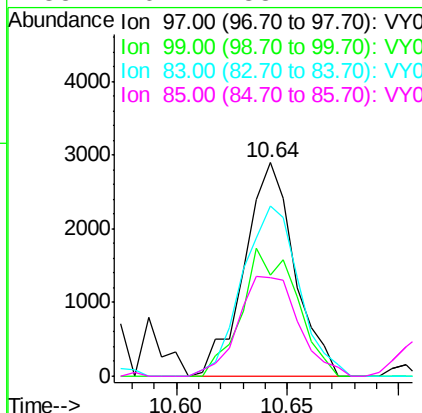
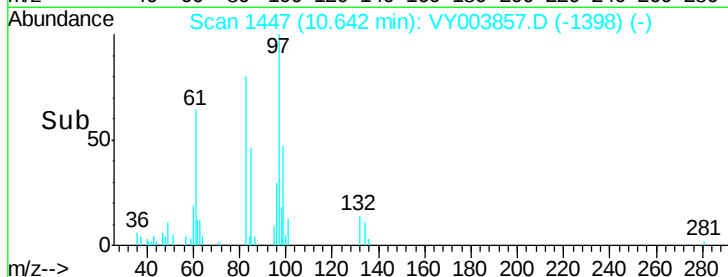
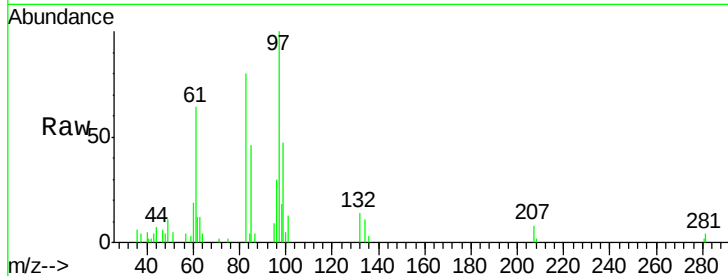
#45
1,1,2-Trichloroethane
Concen: 1.125 ug/L
RT: 10.64 min Scan# 1447
Delta R.T. 0.00 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03

Tot Ion:	97	Resp:	4567
Ion	Ratio	Lower	Upper
97	100		
99	47.2	46.0	85.4
83	79.9	60.8	112.8
85	46.1	38.4	71.2

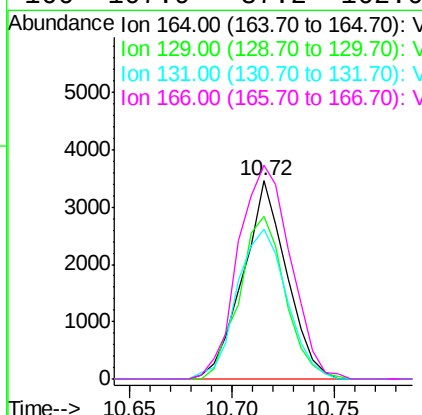
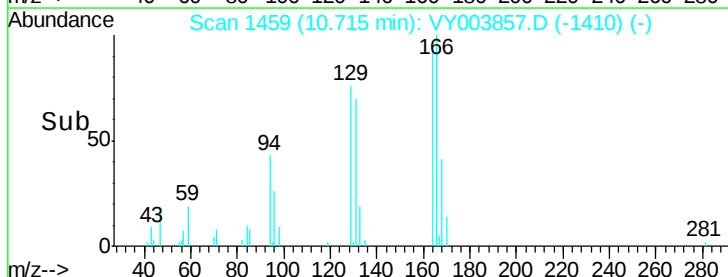
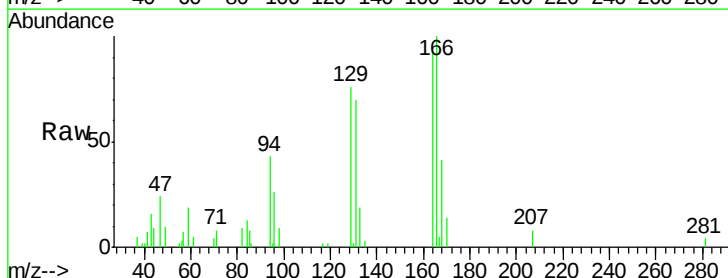
Manual Integrations
APPROVED

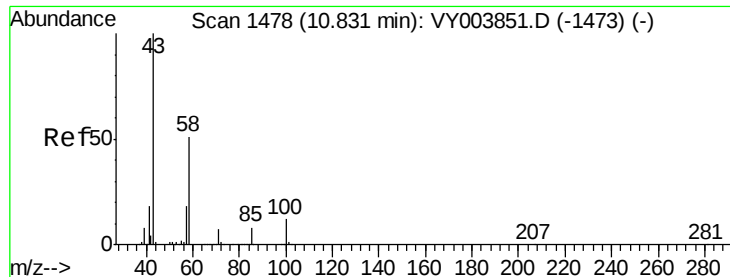
MMDadoda
12/30/2020 6:36:29 PM



#46
Tetrachloroethene
Concen: 1.168 ug/L
RT: 10.72 min Scan# 1459
Delta R.T. 0.00 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Tgt Ion:	164	Resp:	5180
Ion	Ratio	Lower	Upper
164	100		
129	81.8	62.5	116.1
131	75.9	60.7	112.7
166	107.9	87.2	162.0





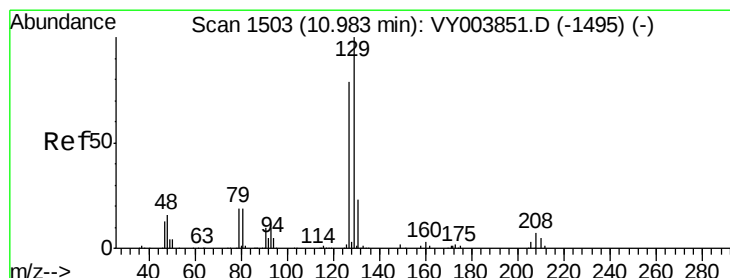
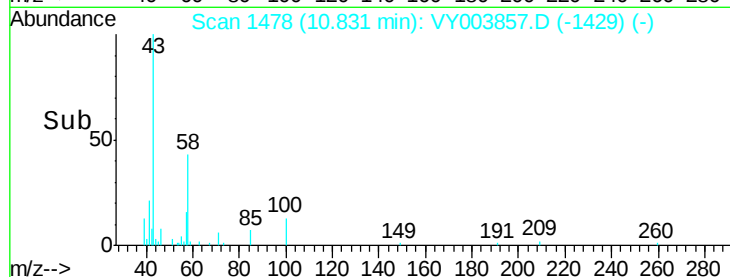
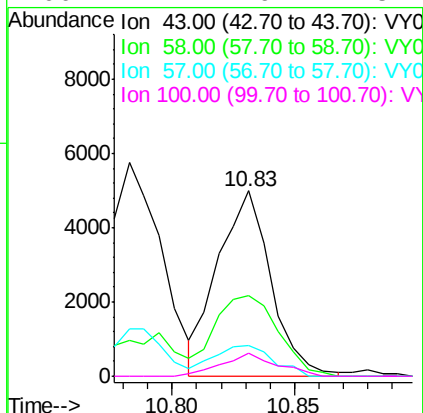
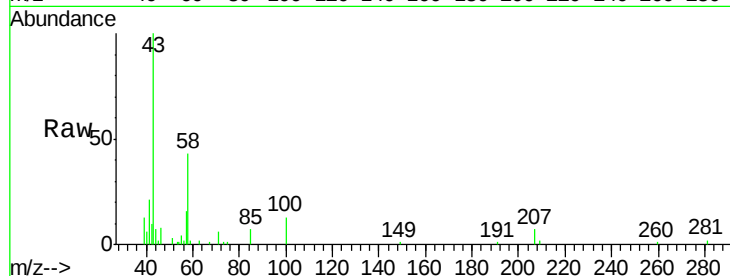
#48
2-Hexanone
Concen: 2.054 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	51.5	40.6	60.8	
57	18.6	14.5	21.7	
100	12.7	9.1	13.7	

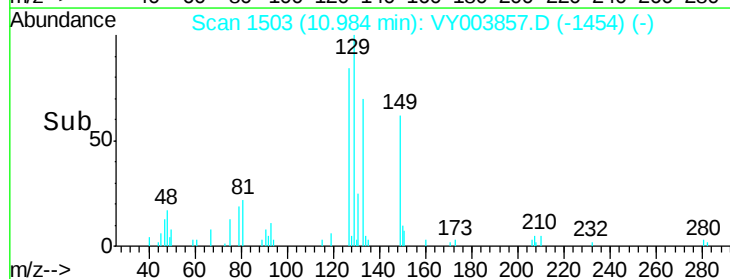
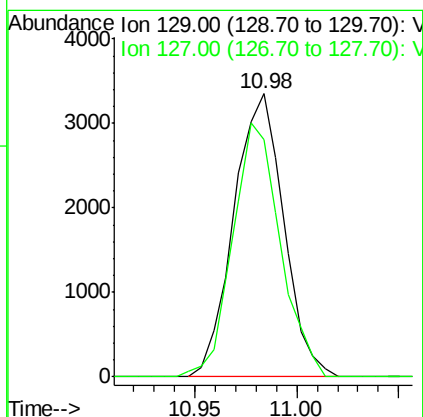
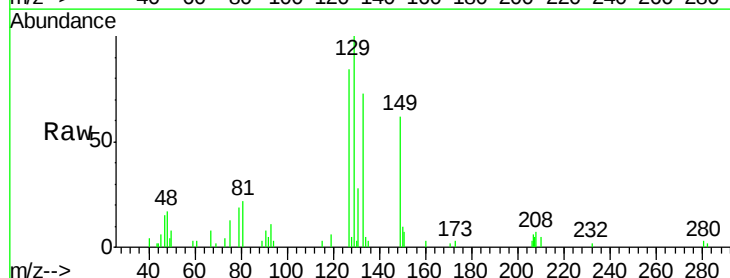
Manual Integrations
APPROVED

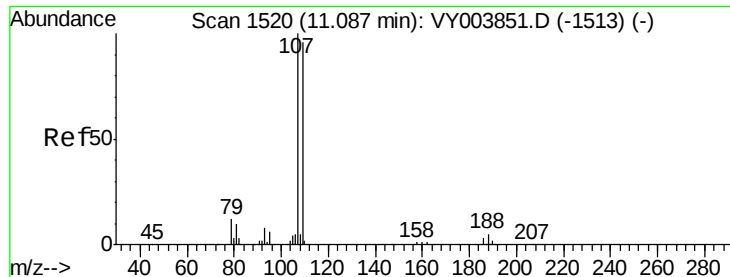
MMDadoda
12/30/2020 6:36:29 PM



#49
Dibromochloromethane
Concen: 1.108 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. 0.00 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	84.0	52.7	97.9	





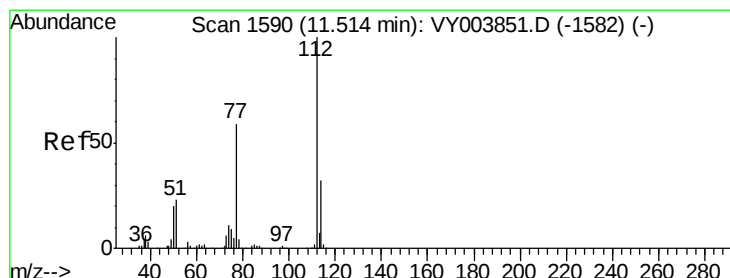
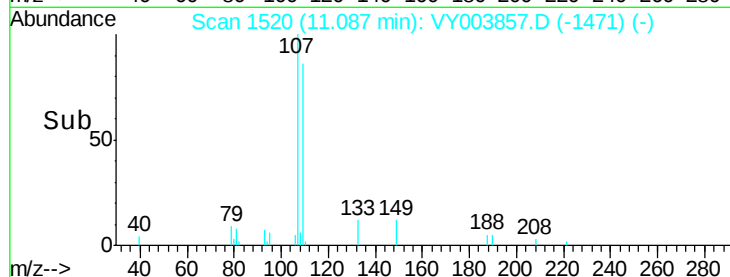
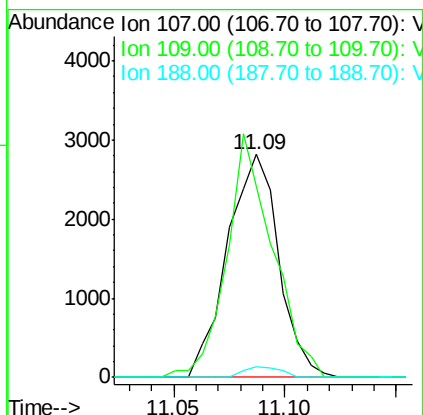
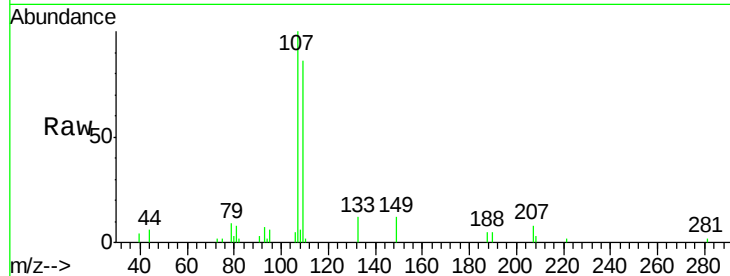
#50
1,2-Dibromoethane
Concen: 1.130 ug/L
RT: 11.09 min Scan# 1520
Delta R.T. 0.00 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03

Tot Ion	Ratio	Lower	Upper
107	100		
109	85.7	65.5	121.7
188	4.5	3.6	5.4

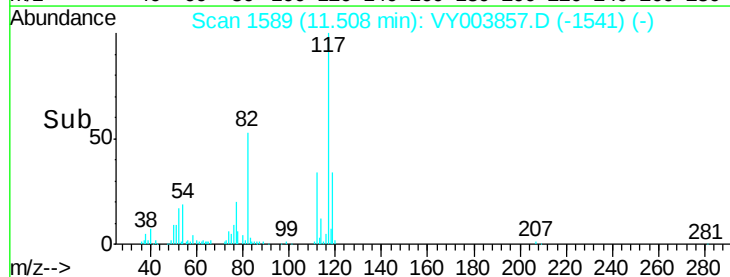
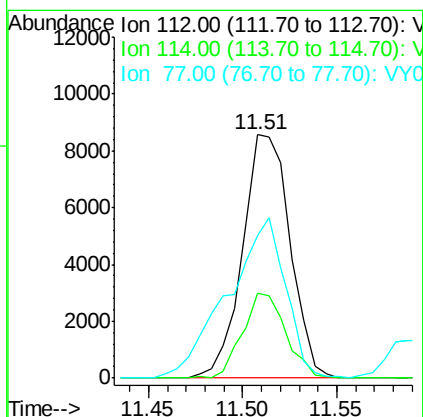
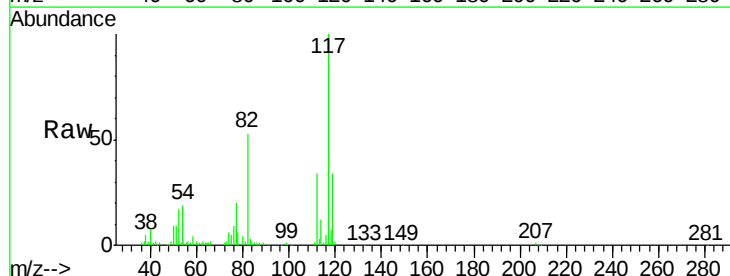
Manual Integrations
APPROVED

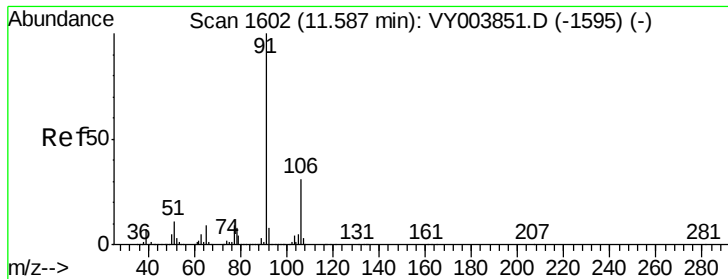
MMDadoda
12/30/2020 6:36:29 PM



#51
Chlorobenzene
Concen: 1.130 ug/L
RT: 11.51 min Scan# 1589
Delta R.T. -0.01 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	35.1	22.5	41.9
77	58.5	45.2	67.8





#52

Ethylbenzene

Concen: 1.068 ug/L

RT: 11.59 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03

Tot Ion: 91 Resp: 24561

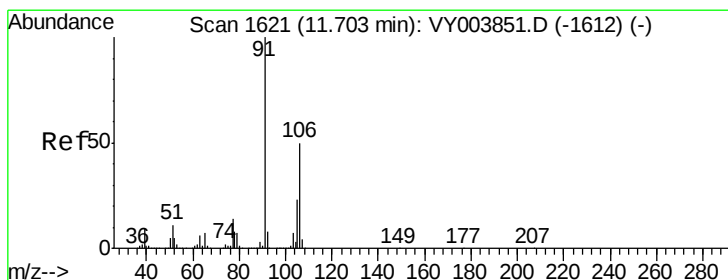
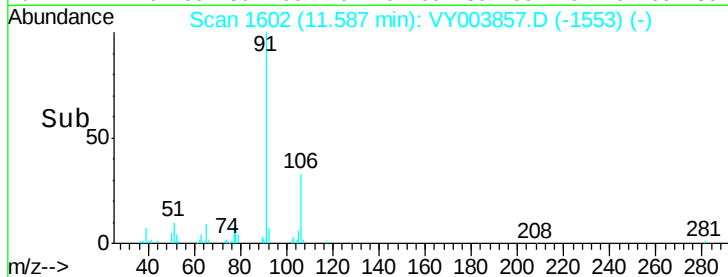
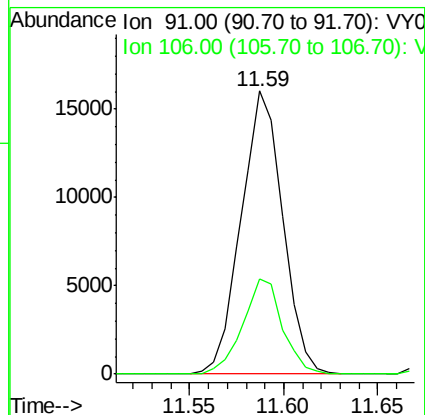
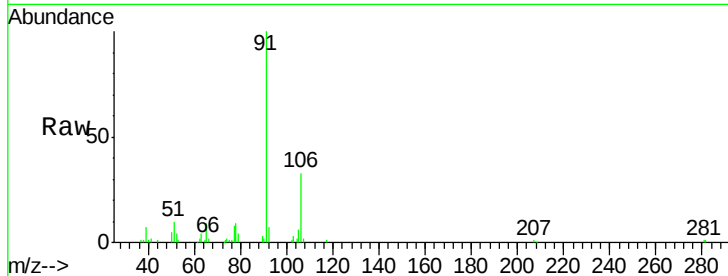
Ion Ratio Lower Upper

91 100

106 33.5 21.6 40.0

Manual Integrations
APPROVED

MMDadoda
12/30/2020 6:36:29 PM



#53

m,p-Xylene

Concen: 1.023 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003857.D

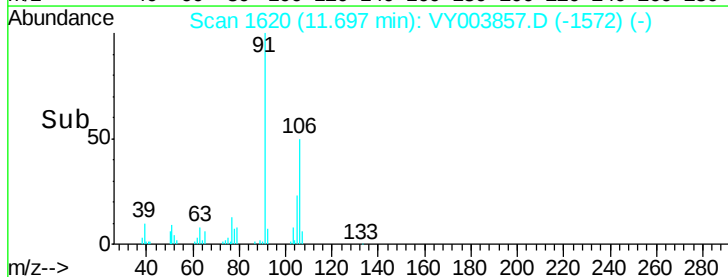
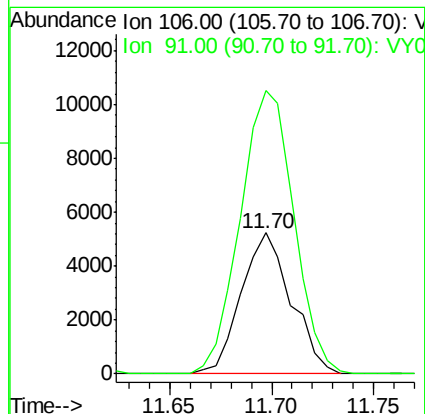
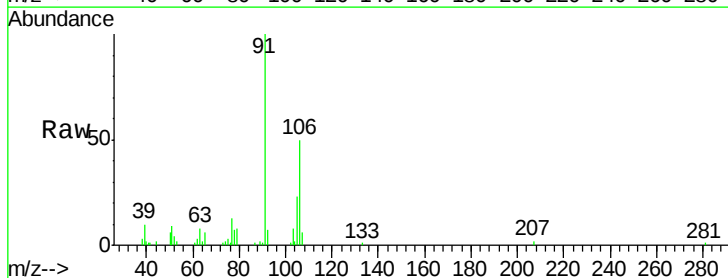
Acq: 29 Dec 2020 17:29

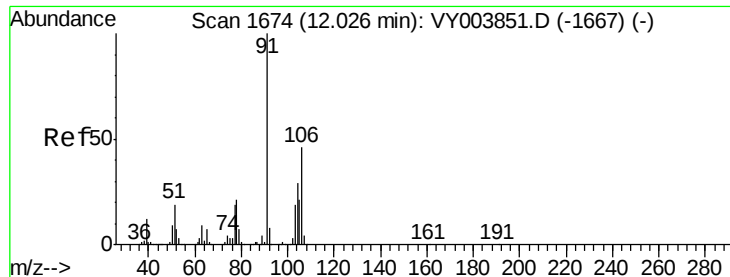
Tgt Ion: 106 Resp: 8922

Ion Ratio Lower Upper

106 100

91 201.0 146.3 271.7





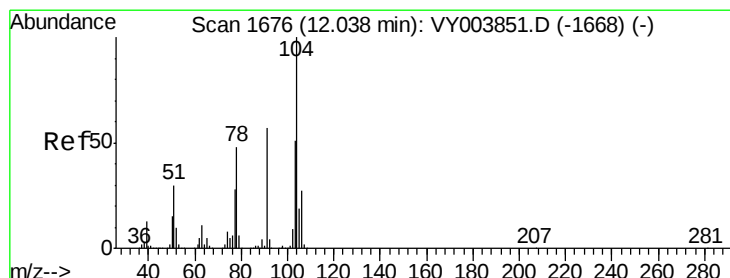
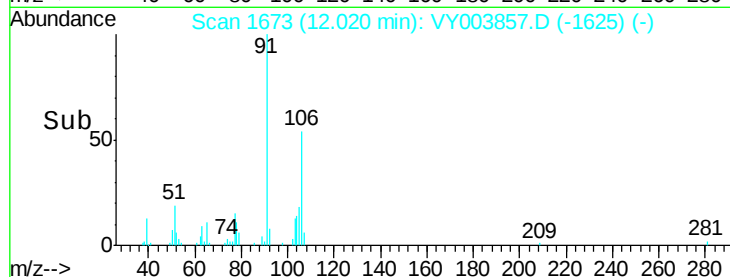
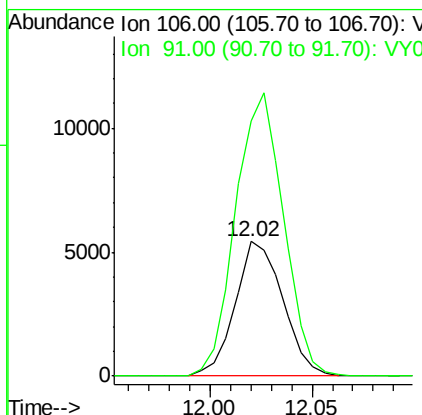
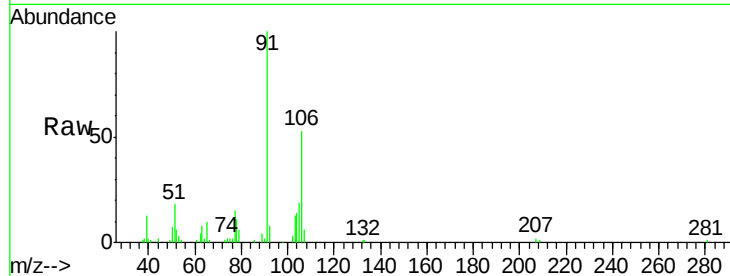
#54
o-Xylene
Concen: 1.037 ug/L
RT: 12.02 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03

Tot Ion:106 Resp: 8806
Ion Ratio Lower Upper
106 100
91 189.9 147.7 274.3

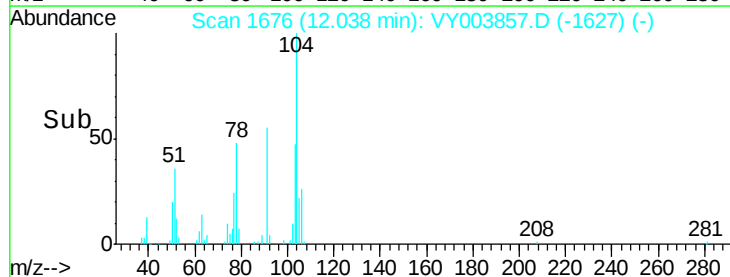
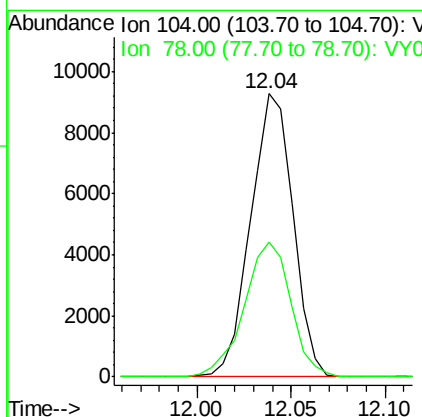
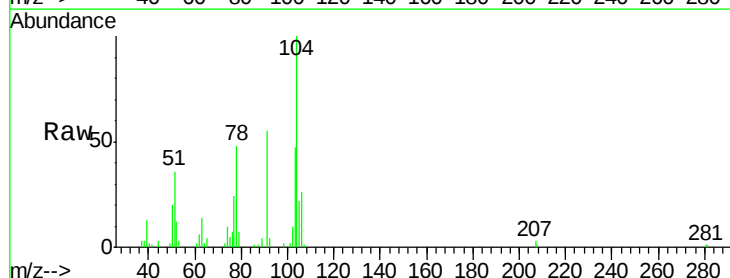
Manual Integrations
APPROVED

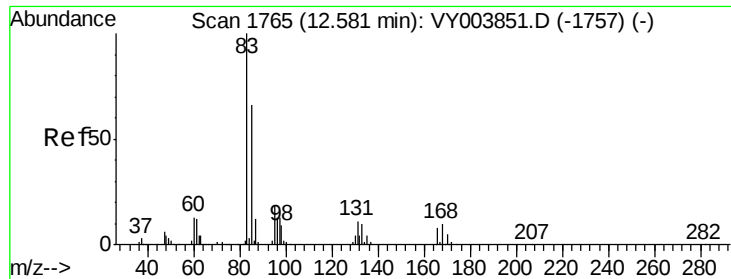
MMDadoda
12/30/2020 6:36:29 PM



#55
Styrene
Concen: 0.985 ug/L
RT: 12.04 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Tgt Ion:104 Resp: 14468
Ion Ratio Lower Upper
104 100
78 47.7 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 1.291 ug/L

RT: 12.57 min Scan# 1764

Delta R.T. -0.01 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Instrument :

MSVOA_Y

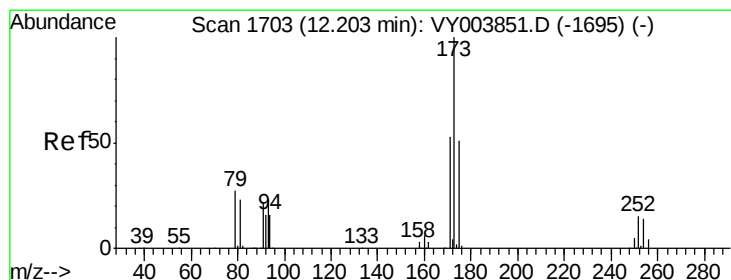
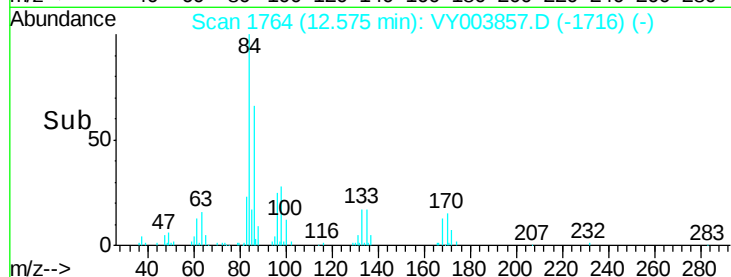
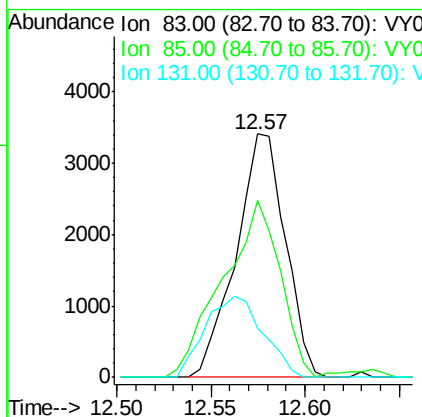
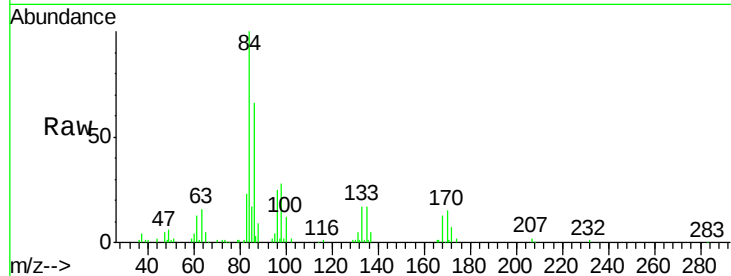
ClientSampleId :

MDL-SOIL-03

Tot Ion:	83	Resp:	6198
Ion Ratio	Lower	Upper	
83	100		
85	72.8	44.9	83.3
131	20.0	9.0	13.6#

Manual Integrations
APPROVED

MMDadoda
12/30/2020 6:36:29 PM



#59

Bromoform

Concen: 1.180 ug/L

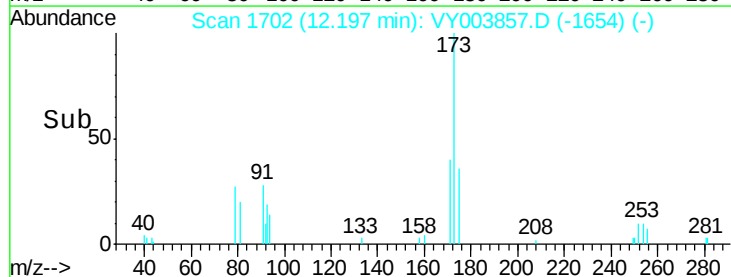
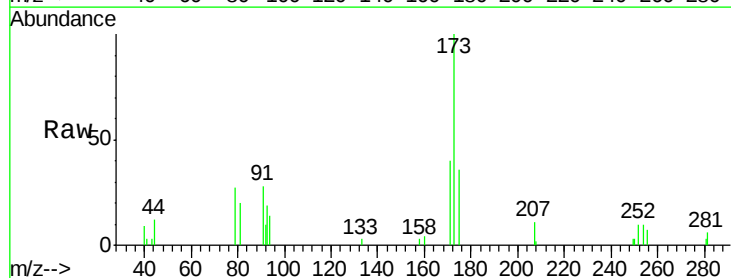
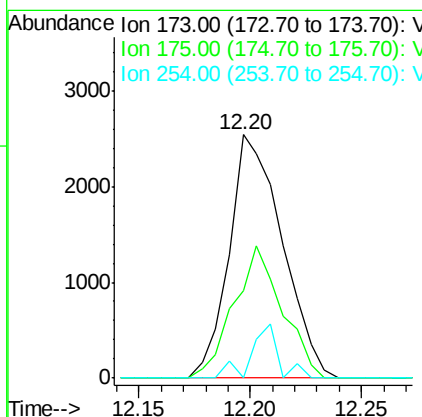
RT: 12.20 min Scan# 1702

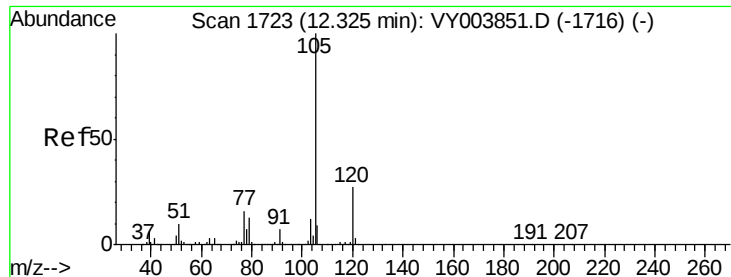
Delta R.T. -0.01 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Tgt Ion:	173	Resp:	4217
Ion Ratio	Lower	Upper	
173	100		
175	49.5	38.9	58.3
254	8.4	11.5	17.3#





#60

Isopropylbenzene

Concen: 1.053 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. 0.00 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Instrument :

MSVOA_Y

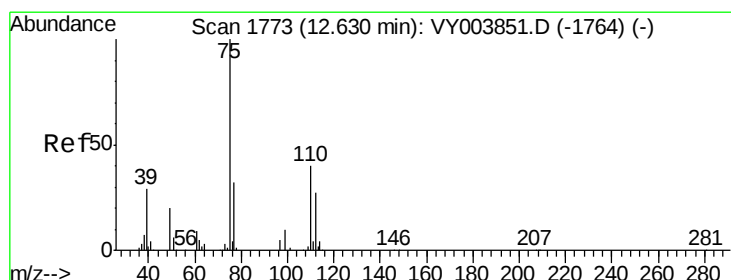
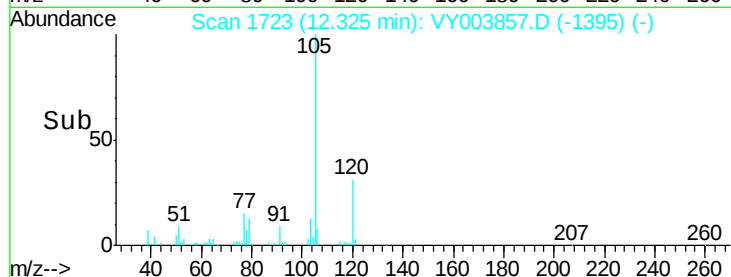
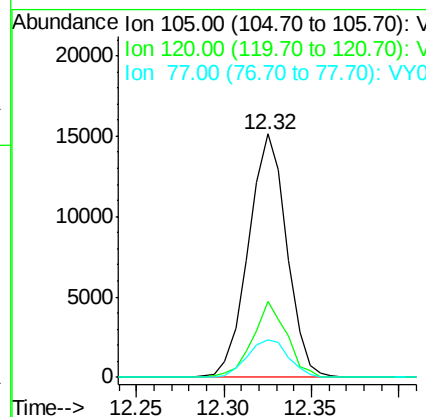
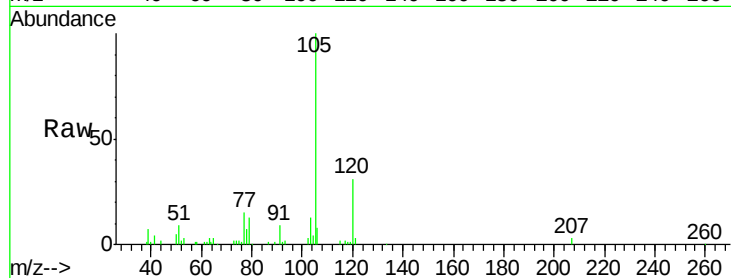
ClientSampleId :

MDL-SOIL-03

Tot Ion:	105	Resp:	23061
Ion Ratio	Lower	Upper	
105	100		
120	27.9	21.7	32.5
77	16.6	12.9	19.3

Manual Integrations
APPROVED

MMDadoda
12/30/2020 6:36:29 PM



#61

1,2,3-Trichloropropane

Concen: 1.218 ug/L

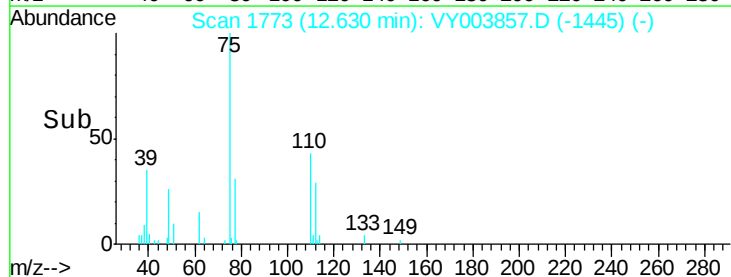
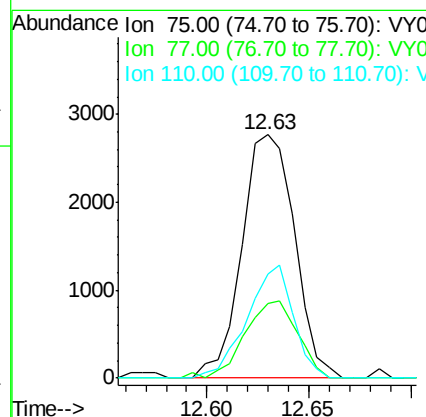
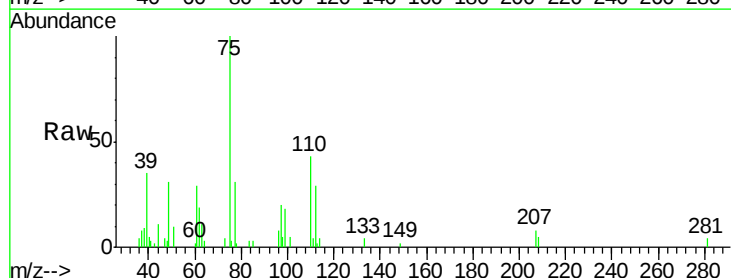
RT: 12.63 min Scan# 1773

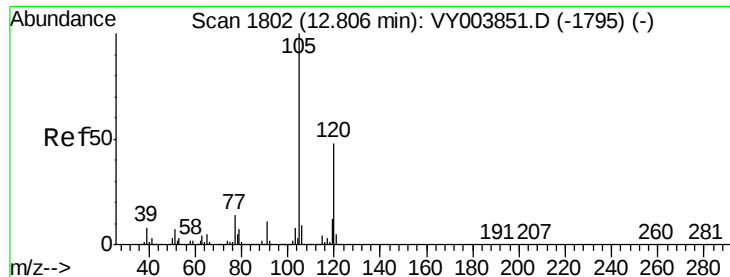
Delta R.T. 0.00 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Tgt Ion:	75	Resp:	4954
Ion Ratio	Lower	Upper	
75	100		
77	31.4	26.2	39.4
110	40.8	32.4	48.6





#62

1,3,5-Trimethylbenzene

Concen: 1.056 ug/L

RT: 12.81 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03

Tot Ion:105 Resp: 19204

Ion Ratio Lower Upper

105 100

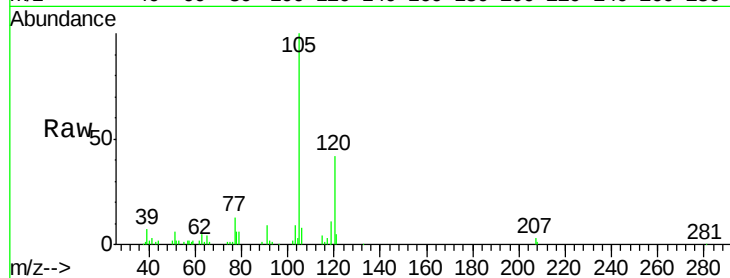
120 50.9 39.0 58.4

Manual Integrations

APPROVED

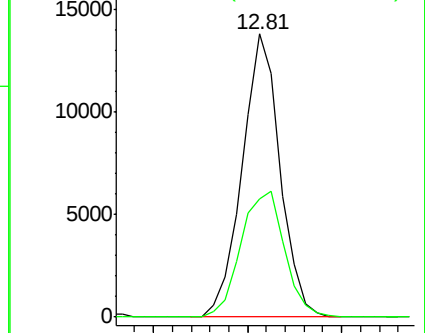
MMDadoda

12/30/2020 6:36:29 PM

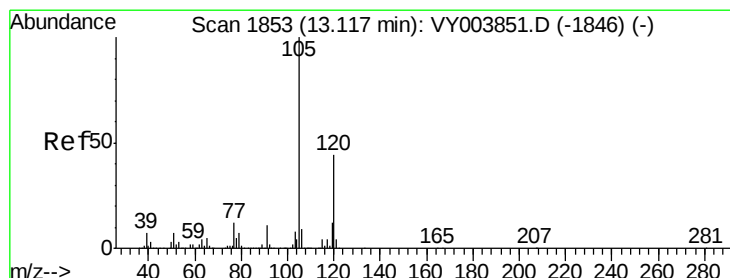
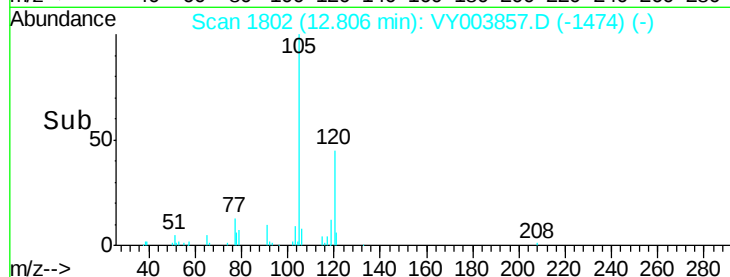


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#63

1,2,4-Trimethylbenzene

Concen: 1.050 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VY003857.D

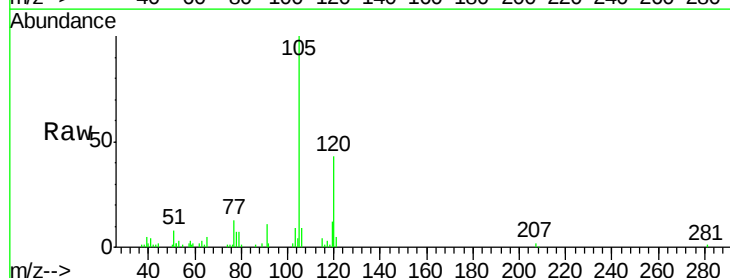
Acq: 29 Dec 2020 17:29

Tgt Ion:105 Resp: 19344

Ion Ratio Lower Upper

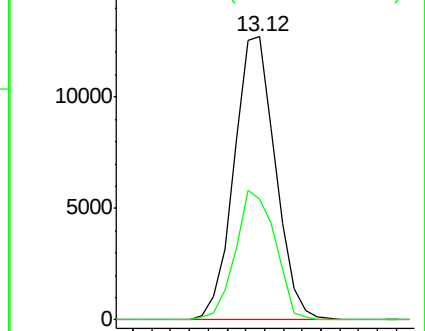
105 100

120 44.2 36.5 54.7

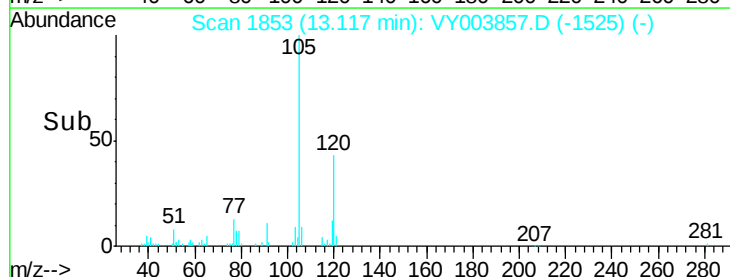


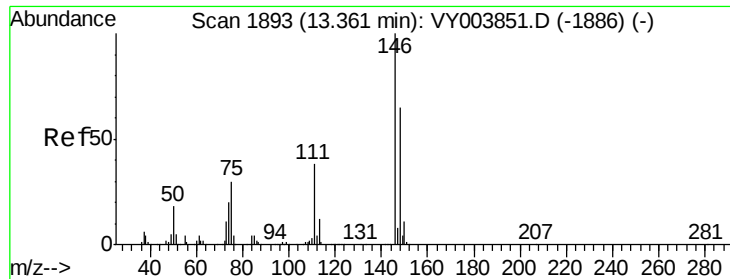
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#64

1,3-Dichlorobenzene

Concen: 1.150 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Instrument :

MSVOA_Y

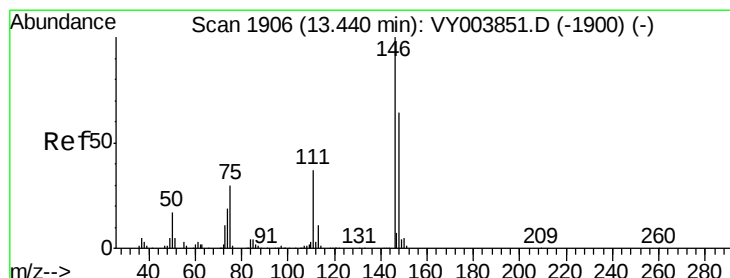
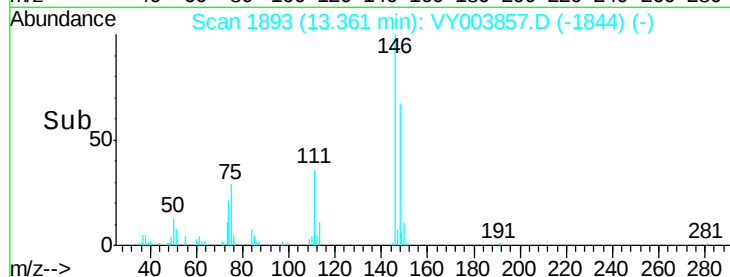
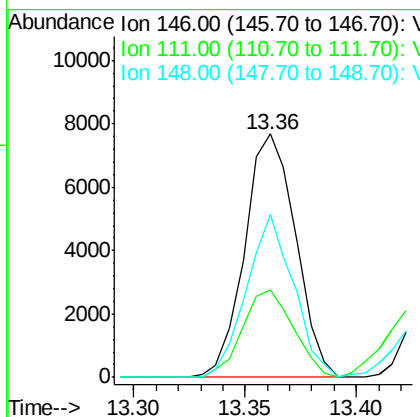
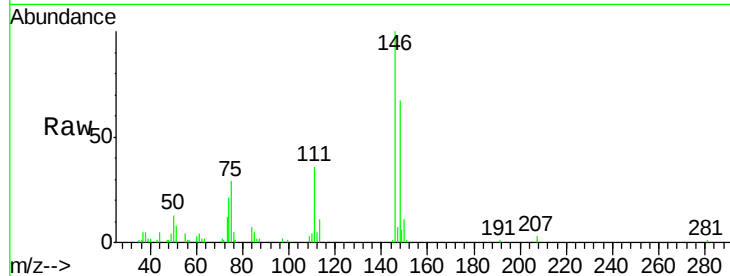
ClientSampleId :

MDL-SOIL-03

Tot Ion:	146	Resp:	12195
Ion Ratio	Lower	Upper	
146	100		
111	35.9	27.7	51.5
148	66.7	45.4	84.4

Manual Integrations
APPROVED

MMDadoda
12/30/2020 6:36:29 PM



#65

1,4-Dichlorobenzene

Concen: 1.164 ug/L

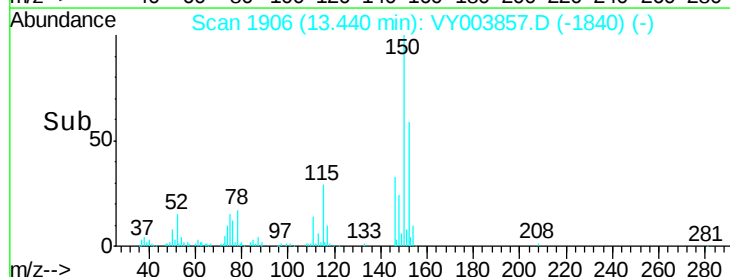
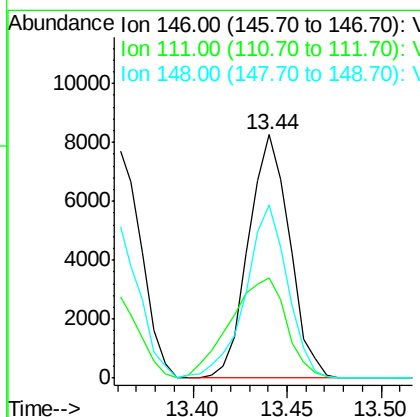
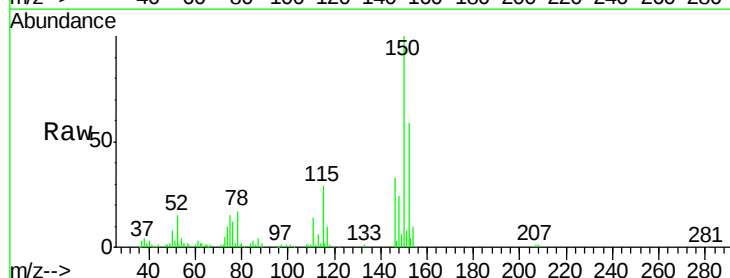
RT: 13.44 min Scan# 1906

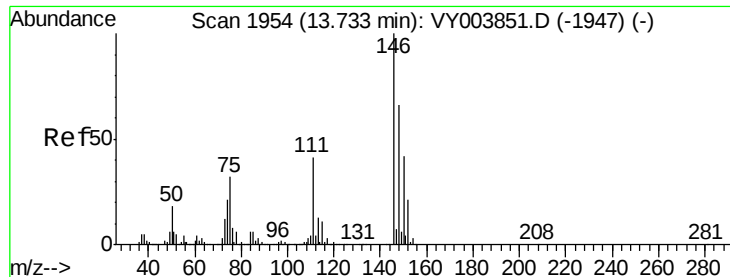
Delta R.T. 0.00 min

Lab File: VY003857.D

Acq: 29 Dec 2020 17:29

Tgt Ion:	146	Resp:	12502
Ion Ratio	Lower	Upper	
146	100		
111	41.1	25.7	47.7
148	71.2	44.4	82.4





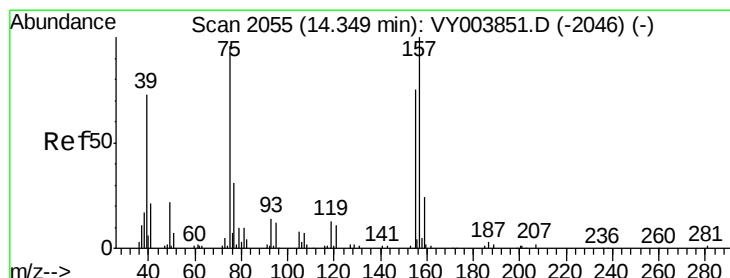
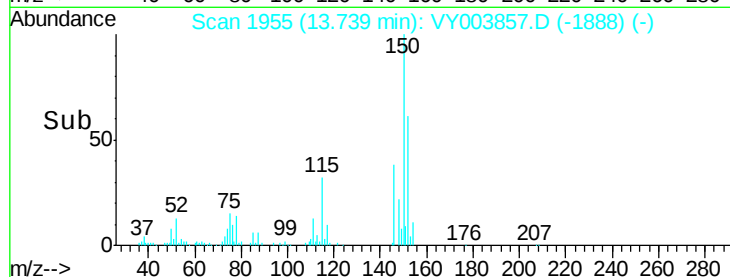
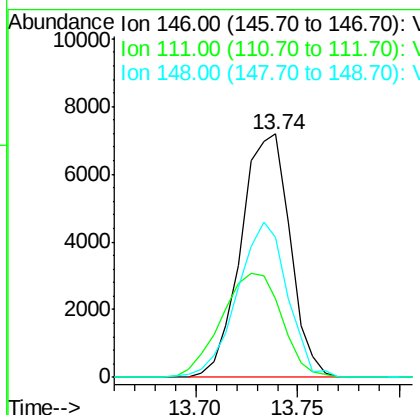
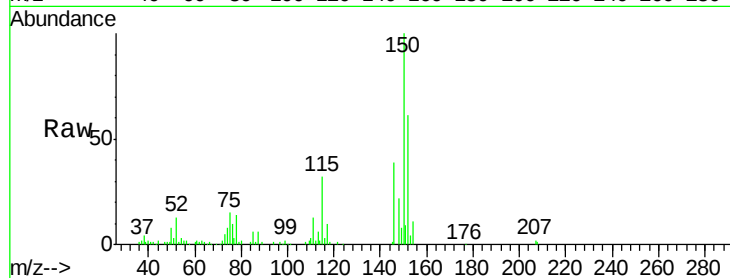
#67
 1,2-Dichlorobenzene
 Concen: 1.209 ug/L
 RT: 13.74 min Scan# 1955
 Delta R.T. 0.01 min
 Lab File: VY003857.D
 Acq: 29 Dec 2020 17:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03

Tot Ion	Ratio	Lower	Upper
146	100		
111	32.2	31.3	46.9
148	57.3	51.0	76.4

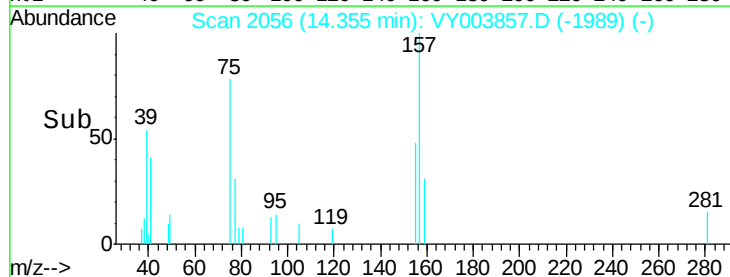
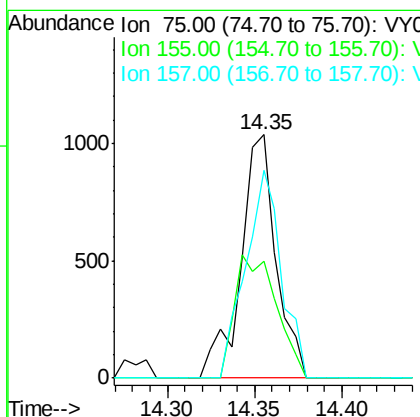
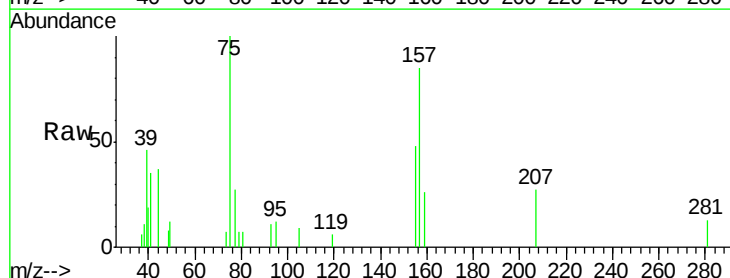
Manual Integrations
 APPROVED

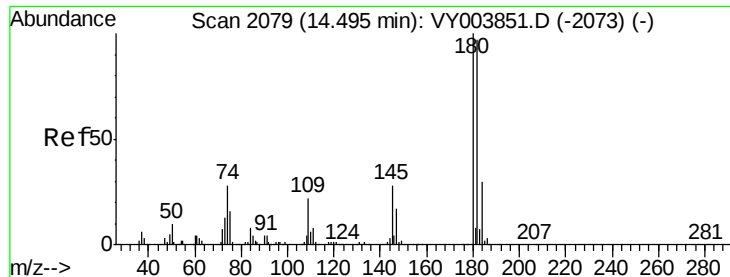
MMDadoda
 12/30/2020 6:36:29 PM



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.435 ug/L
 RT: 14.35 min Scan# 2056
 Delta R.T. 0.01 min
 Lab File: VY003857.D
 Acq: 29 Dec 2020 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	47.8	68.2	102.4#
157	85.2	90.2	135.4#





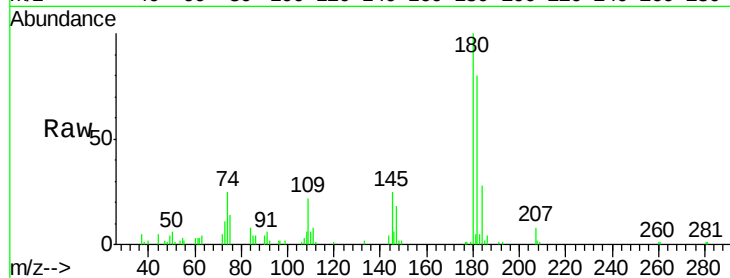
#69
 1,3,5-Trichlorobenzene
 Concen: 1.200 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VY003857.D
 Acq: 29 Dec 2020 17:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	9917		
182	90.3		75.6	113.4
184	31.2		24.9	37.3
145	27.8		21.8	32.6

Manual Integrations
 APPROVED

MMDadoda
 12/30/2020 6:36:29 PM



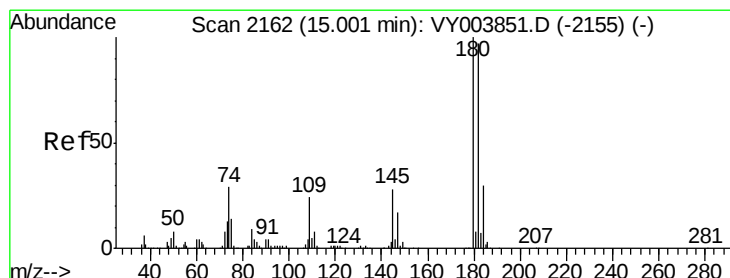
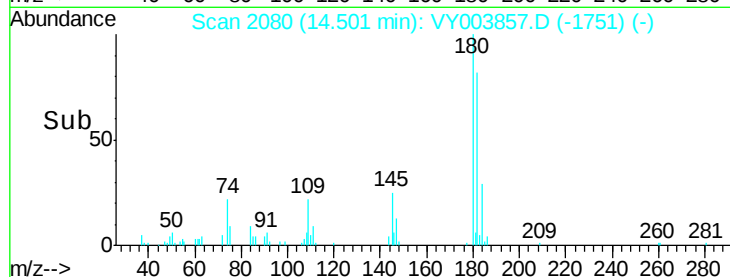
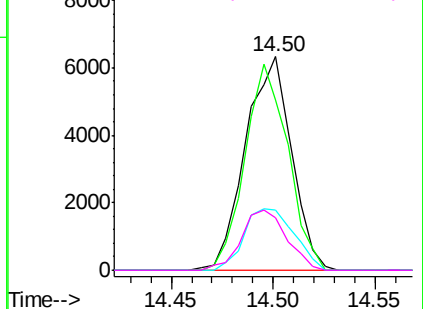
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

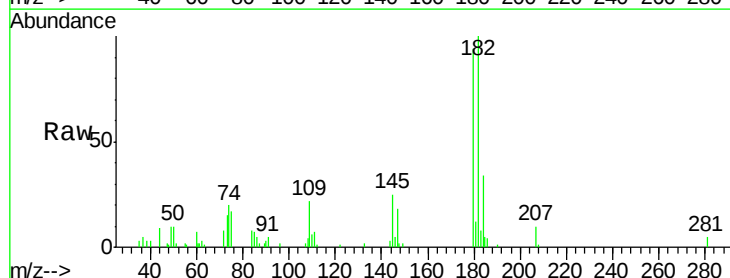
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 1.134 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. 0.00 min
 Lab File: VY003857.D
 Acq: 29 Dec 2020 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	7945		
182	98.7		76.1	114.1
145	29.8		22.6	33.8

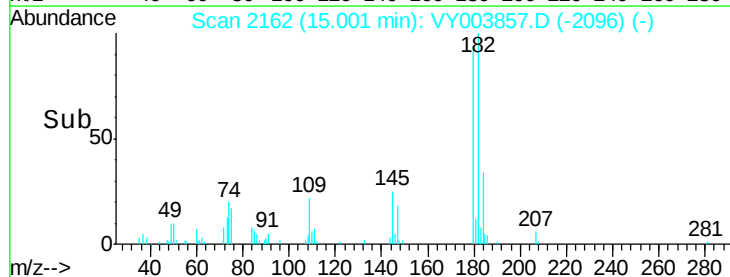
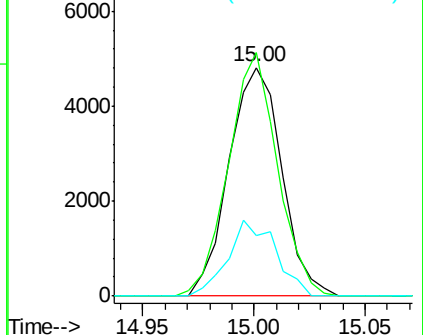


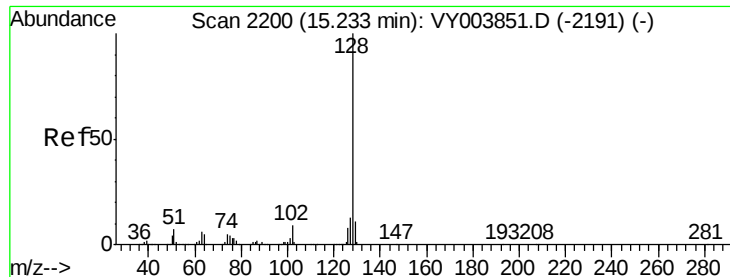
Abundance

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





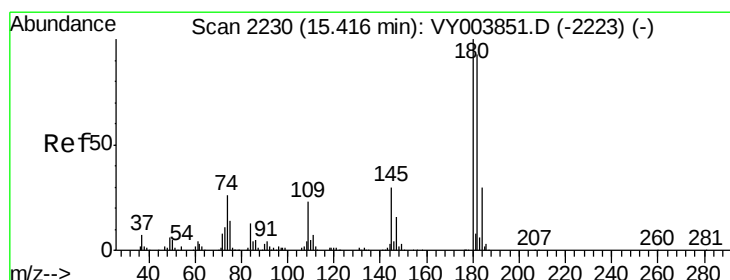
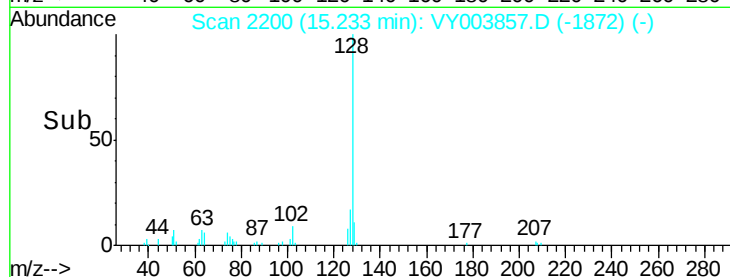
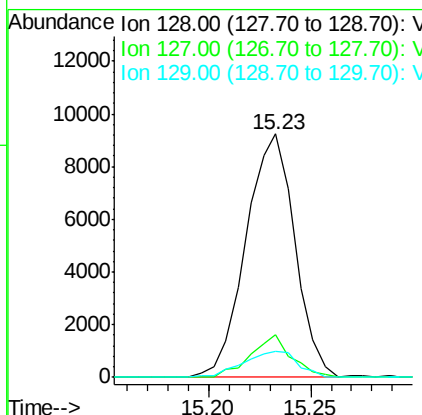
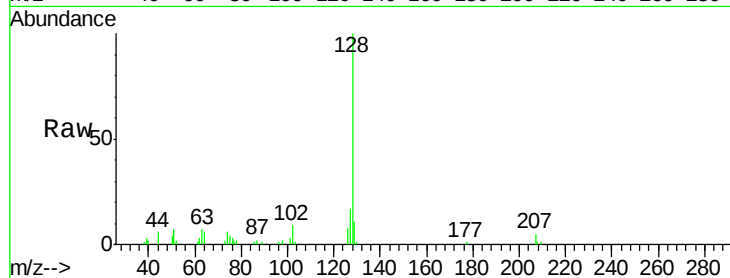
#71
Naphthalene
Concen: 1.052 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.7	16.1
129	12.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
12/30/2020 6:36:29 PM



#72
1,2,3-Trichlorobenzene
Concen: 1.160 ug/L
RT: 15.42 min Scan# 2230
Delta R.T. 0.00 min
Lab File: VY003857.D
Acq: 29 Dec 2020 17:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	74.6	111.8
145	31.3	23.3	34.9

