

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

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-02

Manual Integrations
 APPROVED

MMDadoda
 12/30/2020 6:36:27 PM

Quant Time: Dec 30 07:35:08 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	332244	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	312225	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	170267	25.00	ug/L	0.00

System Monitoring Compounds

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

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	7435	1.336 ug/L	97
3) Chloromethane	2.12	50	7653	1.228 ug/L	96
5) Vinyl chloride	2.25	62	7797	1.179 ug/L #	76
6) Bromomethane	2.66	94	4941	1.222 ug/L	90
8) Chloroethane	2.80	64	4863	1.218 ug/L	90
9) Trichlorofluoromethane	3.13	101	10779	1.220 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	7288m	1.571 ug/L	
12) 1,1-Dichloroethene	3.88	96	6396	1.469 ug/L #	1
13) Acetone	3.95	43	4835	3.032 ug/L	76
14) Carbon disulfide	4.20	76	16592	1.132 ug/L	98
15) Methyl Acetate	4.49	43	3874	1.056 ug/L #	87
16) Methylene chloride	4.73	84	12249	2.299 ug/L	92
17) trans-1,2-Dichloroethene	5.22	96	5753	1.207 ug/L	81
18) Methyl tert-butyl Ether	5.22	73	15052	1.069 ug/L #	91
19) 1,1-Dichloroethane	6.03	63	9445m	1.097 ug/L	
20) cis-1,2-Dichloroethene	6.99	96	5985	1.162 ug/L	87
22) 2-Butanone	7.00	43	6130	2.480 ug/L	83

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Quant Time: Dec 30 07:35:08 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	2896	1.137	ug/L	92
25) Chloroform	7.51	83	13751	1.523	ug/L	95
27) 1,2-Dichloroethane	8.24	62	8348	1.190	ug/L	98
29) Cyclohexane	7.79	56	9213	1.126	ug/L	98
30) 1,1,1-Trichloroethane	7.70	97	9452	1.125	ug/L #	87
31) Carbon tetrachloride	7.90	117	8303	1.068	ug/L	95
33) Benzene	8.16	78	21158	1.109	ug/L	100
34) Trichloroethene	8.94	95	5788	1.097	ug/L	96
35) Methylcyclohexane	9.19	83	8560	0.997	ug/L	89
37) 1,2-Dichloropropane	9.22	63	5634	1.160	ug/L #	95
38) Bromodichloromethane	9.49	83	8164	1.193	ug/L	93
39) cis-1,3-Dichloropropene	9.93	75	8988	1.083	ug/L	91
40) 4-Methyl-2-pentanone	10.07	43	11880	2.290	ug/L	99
42) Toluene	10.24	91	24383	1.155	ug/L	93
44) trans-1,3-Dichloropropene	10.47	75	12530	1.564	ug/L	94
45) 1,1,2-Trichloroethane	10.64	97	4793	1.149	ug/L	92
46) Tetrachloroethene	10.72	164	5361	1.175	ug/L	90
48) 2-Hexanone	10.83	43	7310	1.934	ug/L #	89
49) Dibromochloromethane	10.98	129	5841	1.106	ug/L	82
50) 1,2-Dibromoethane	11.09	107	4746	1.152	ug/L	99
51) Chlorobenzene	11.51	112	15547	1.139	ug/L	98
52) Ethylbenzene	11.59	91	26322	1.113	ug/L	99
53) m,p-Xylene	11.70	106	9856	1.099	ug/L	69
54) o-Xylene	12.03	106	9329	1.068	ug/L	97
55) Styrene	12.04	104	15369	1.018	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.57	83	6720	1.361	ug/L	83
59) Bromoform	12.20	173	4162	1.133	ug/L #	94
60) Isopropylbenzene	12.32	105	25186	1.119	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	4852	1.160	ug/L #	83
62) 1,3,5-Trimethylbenzene	12.81	105	20445	1.094	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	19897	1.050	ug/L	97
64) 1,3-Dichlorobenzene	13.36	146	12882	1.181	ug/L	95
65) 1,4-Dichlorobenzene	13.44	146	13502	1.223	ug/L	91
67) 1,2-Dichlorobenzene	13.73	146	12735	1.247	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.35	75	1453	1.398	ug/L #	66
69) 1,3,5-Trichlorobenzene	14.50	180	10555	1.242	ug/L	96
70) 1,2,4-trichlorobenzene	15.00	180	8650	1.200	ug/L	99
71) Naphthalene	15.23	128	16354	1.087	ug/L	97
72) 1,2,3-Trichlorobenzene	15.42	180	8242	1.295	ug/L	99

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

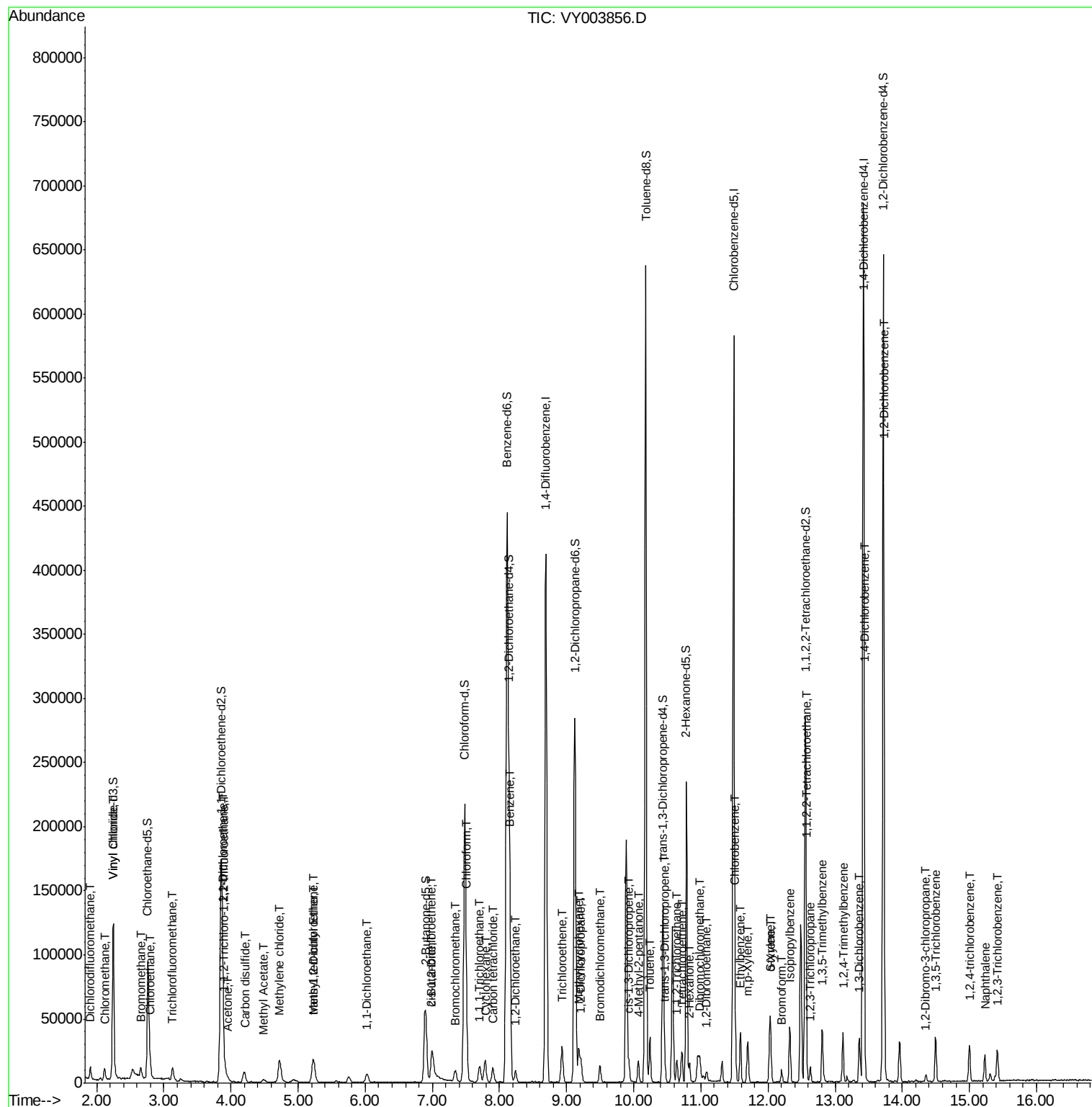
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122920\
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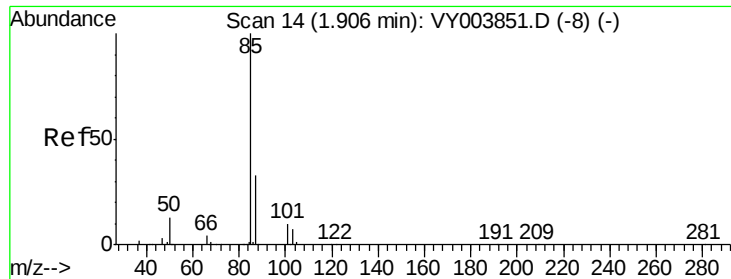
Instrument :
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#2

Dichlorodifluoromethane

Concen: 1.336 ug/L

RT: 1.91 min Scan# 14

Delta R.T. 0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Tot Ion: 85 Resp: 7435

Ion Ratio Lower Upper

85 100

87 30.0 25.4 38.2

Instrument :

MSVOA_Y

ClientSampleId :

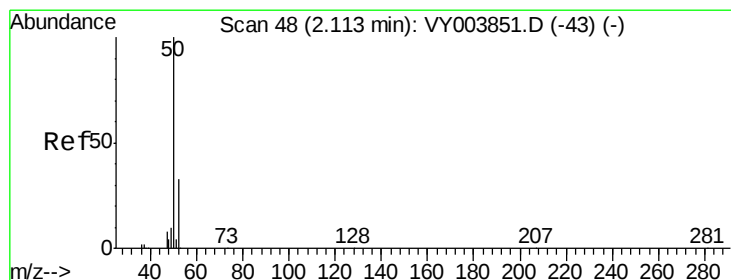
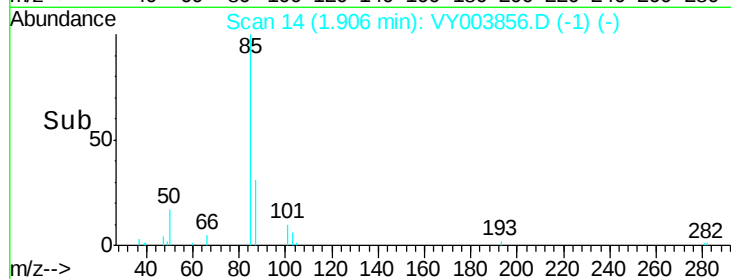
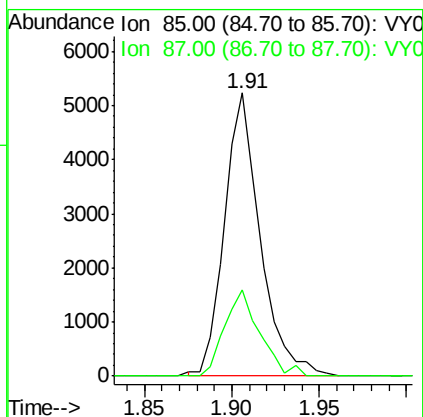
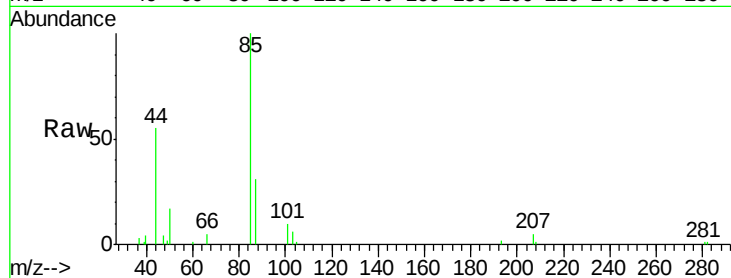
MDL-SOIL-02

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#3

Chloromethane

Concen: 1.228 ug/L

RT: 2.12 min Scan# 49

Delta R.T. 0.01 min

Lab File: VY003856.D

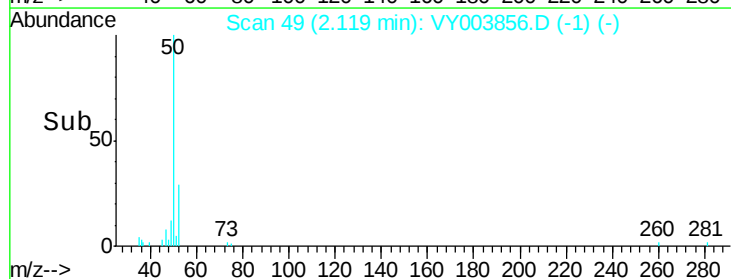
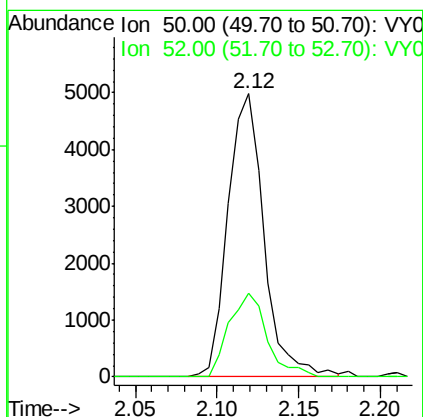
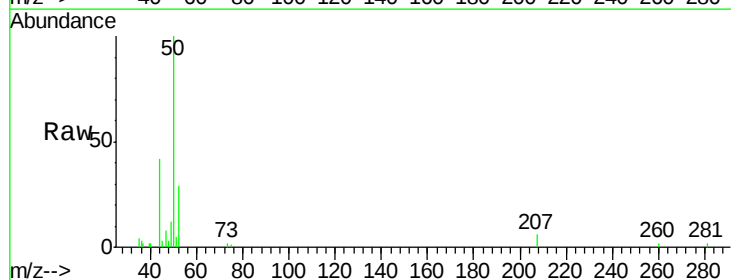
Acq: 29 Dec 2020 17:06

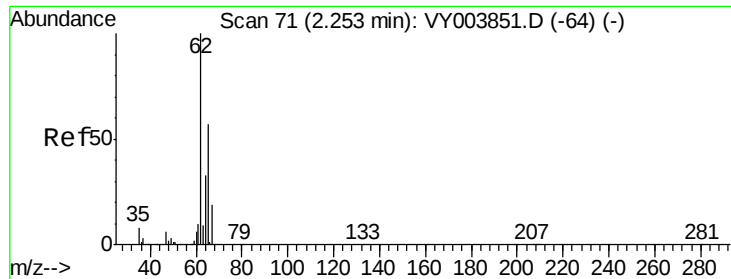
Tgt Ion: 50 Resp: 7653

Ion Ratio Lower Upper

50 100

52 29.4 22.0 41.0





#5

Vinyl chloride

Concen: 1.179 ug/L

RT: 2.25 min Scan# 71

Delta R.T. 0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

ClientSampleID :

MDL-SOIL-02

Tot Ion: 62 Resp: 7797

Ion Ratio Lower Upper

62 100

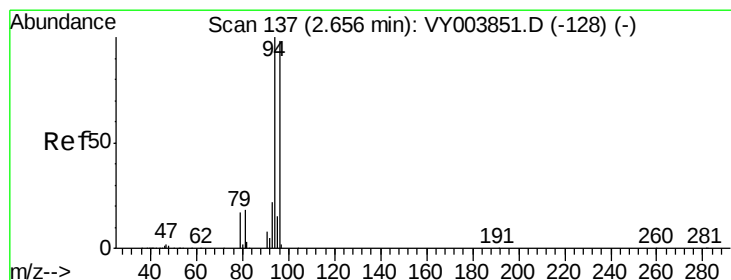
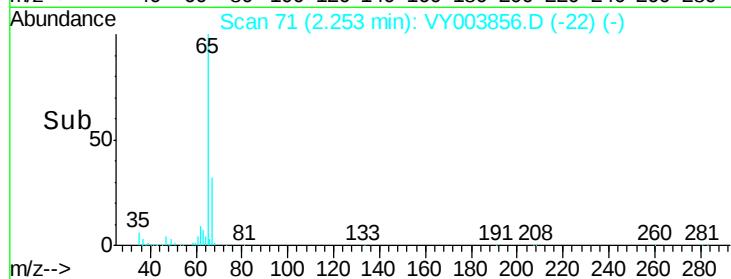
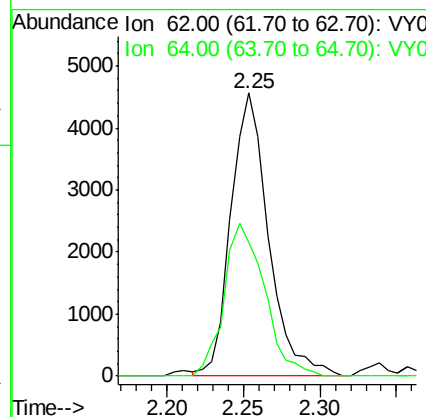
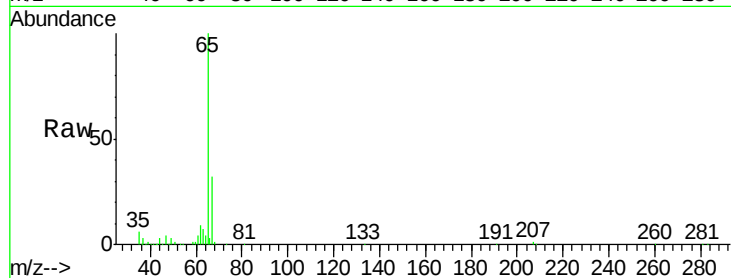
64 47.1 23.2 43.2#

Manual Integrations

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#6

Bromomethane

Concen: 1.222 ug/L

RT: 2.66 min Scan# 137

Delta R.T. 0.00 min

Lab File: VY003856.D

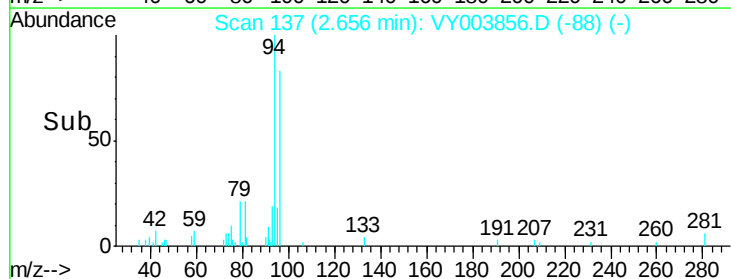
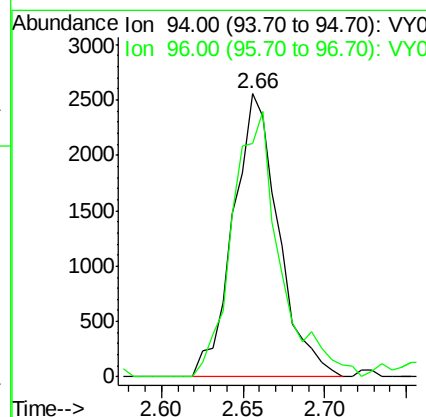
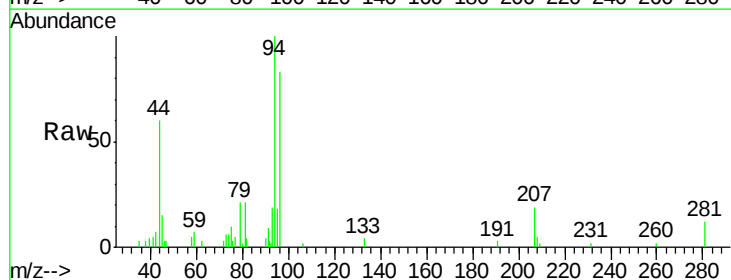
Acq: 29 Dec 2020 17:06

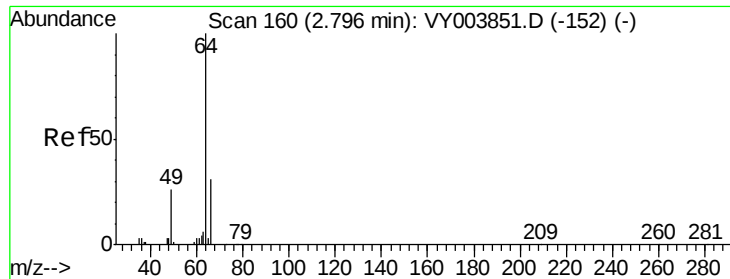
Tgt Ion: 94 Resp: 4941

Ion Ratio Lower Upper

94 100

96 82.6 64.3 119.3





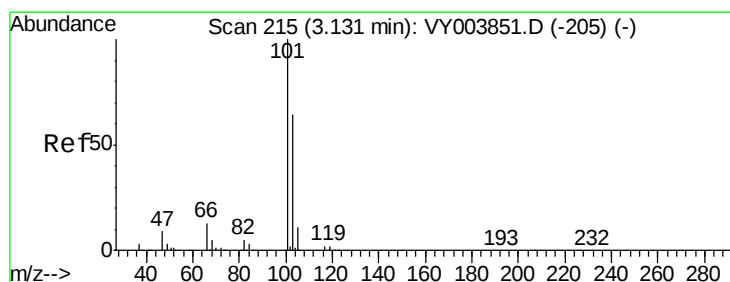
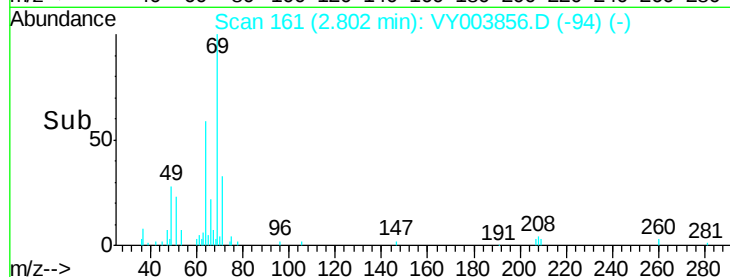
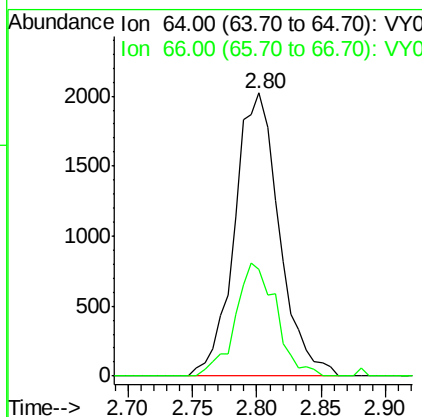
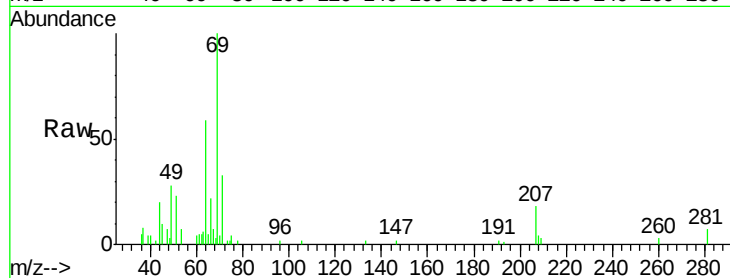
#8
Chloroethane
Concen: 1.218 ug/L
RT: 2.80 min Scan# 161
Delta R.T. 0.01 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Instrument :
MSVOA_Y
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
64	100		
66	37.8	22.5	41.7

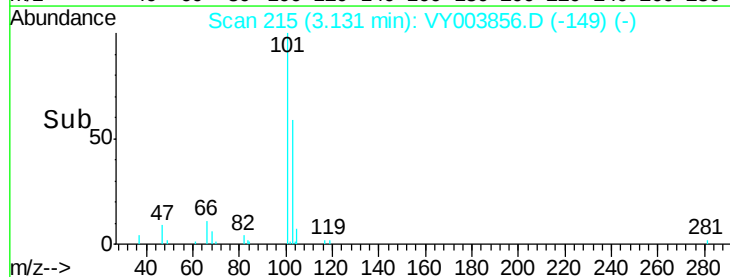
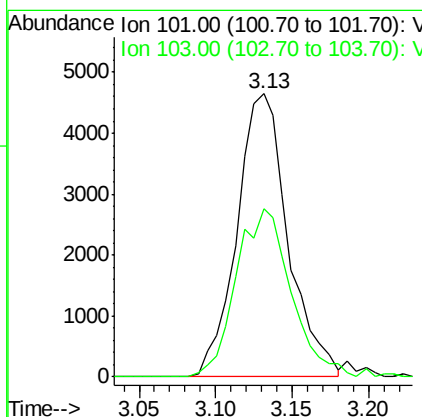
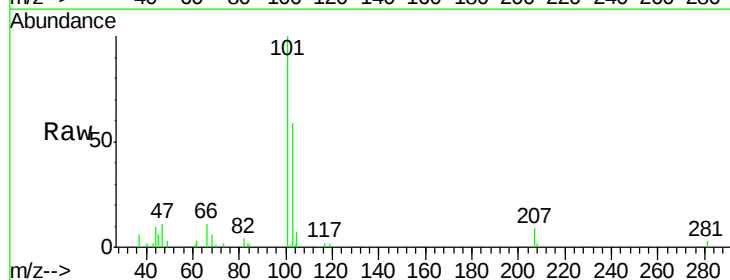
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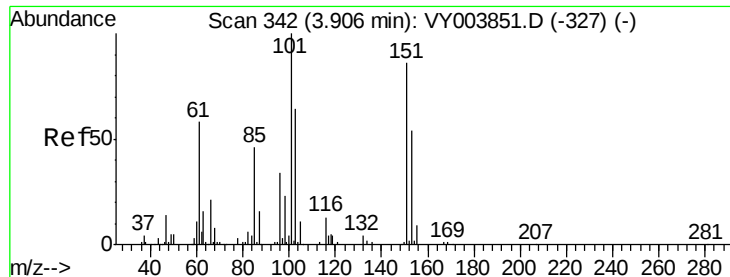
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#9
Trichlorofluoromethane
Concen: 1.220 ug/L
RT: 3.13 min Scan# 215
Delta R.T. -0.00 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.4	77.0





#10

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

Concen: 1.571 ug/L m

RT: 3.90 min Scan# 341

Delta R.T. -0.01 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

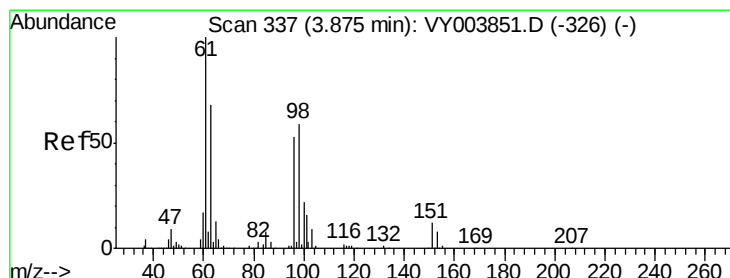
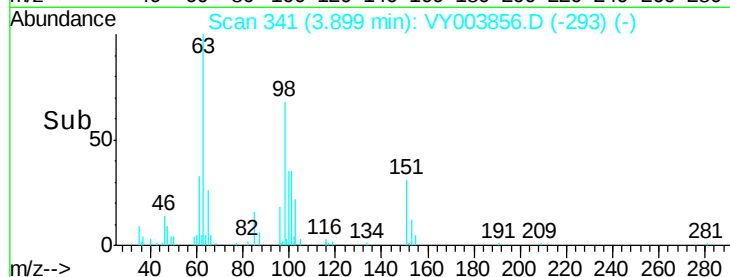
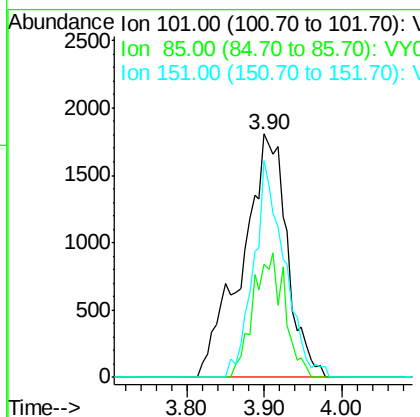
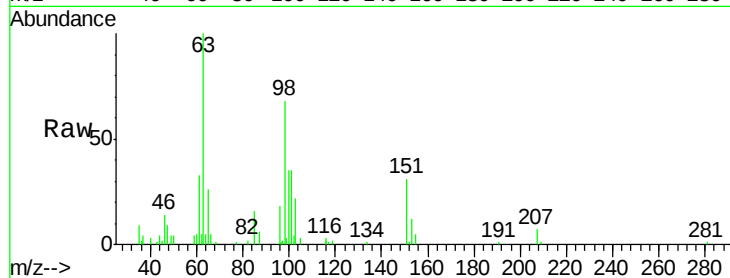
ClientSampleId :

MDL-SOIL-02

Tot Ion:	101	Resp:	7288
Ion Ratio	Lower	Upper	
101	100		
85	36.3	37.1	55.7#
151	60.2	66.4	99.6#

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#12

1,1-Dichloroethene

Concen: 1.469 ug/L

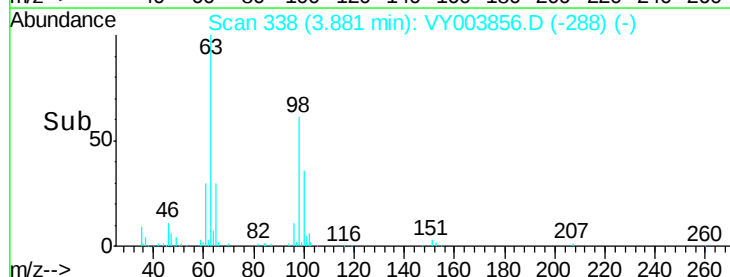
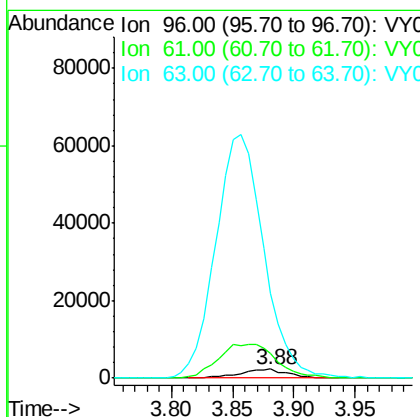
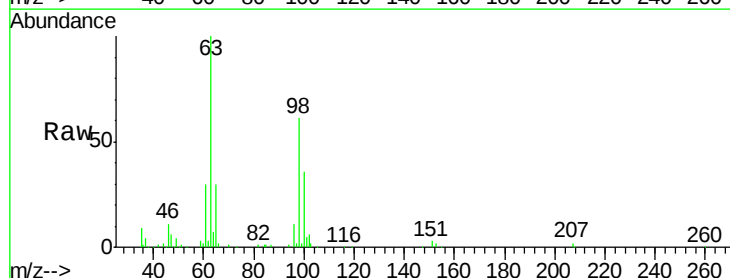
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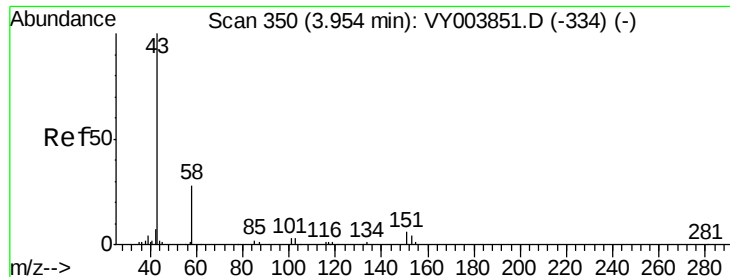
Delta R.T. 0.01 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

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





#13

Acetone

Concen: 3.032 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

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ClientSampleId :

MDL-SOIL-02

Tot Ion: 43 Resp: 4835

Ion Ratio Lower Upper

43 100

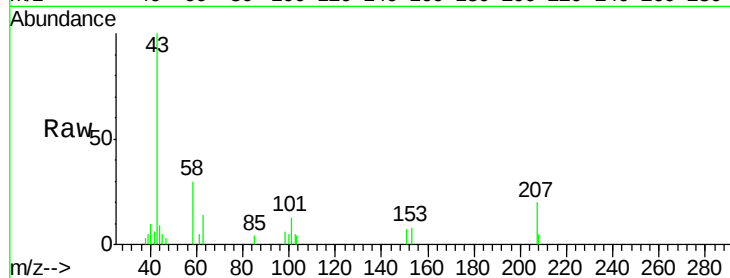
58 16.5 0.0 58.4

Manual Integrations

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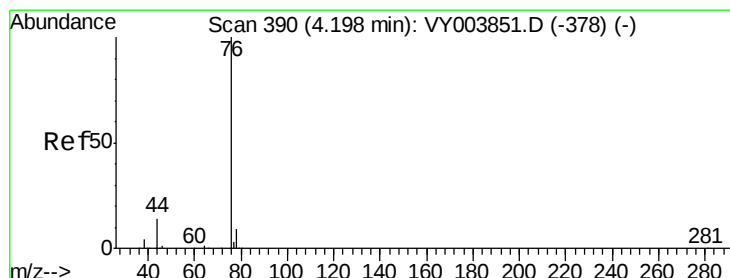
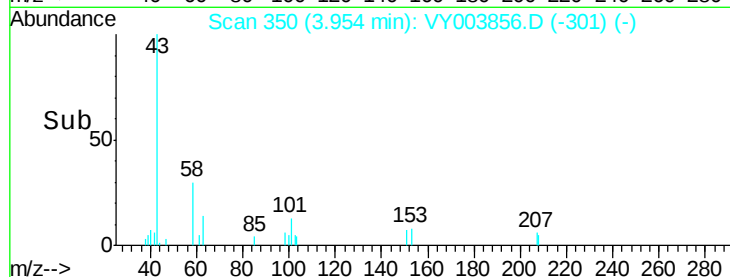
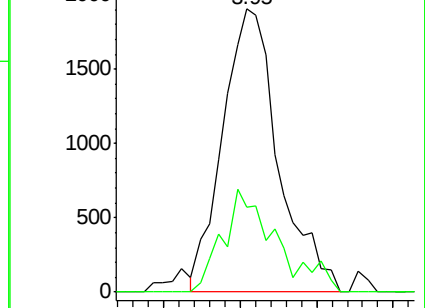
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 1.132 ug/L

RT: 4.20 min Scan# 391

Delta R.T. 0.01 min

Lab File: VY003856.D

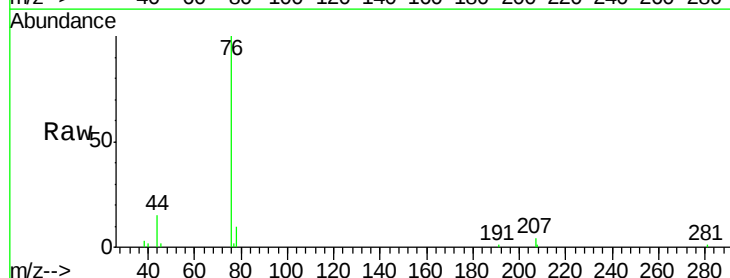
Acq: 29 Dec 2020 17:06

Tgt Ion: 76 Resp: 16592

Ion Ratio Lower Upper

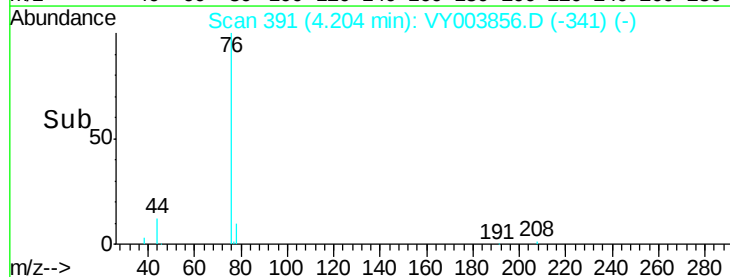
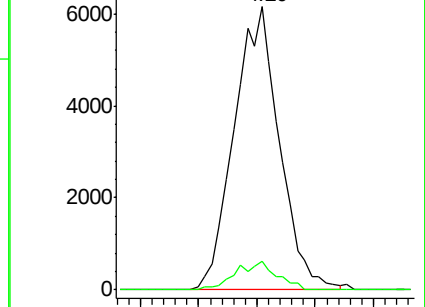
76 100

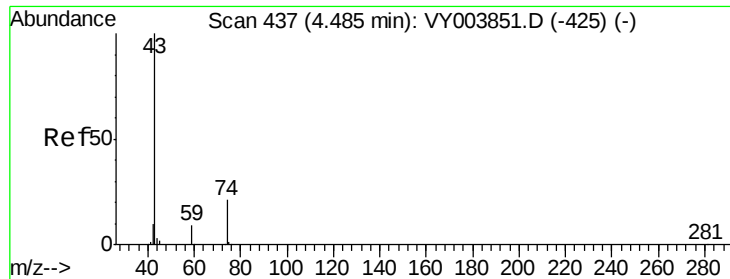
78 10.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0





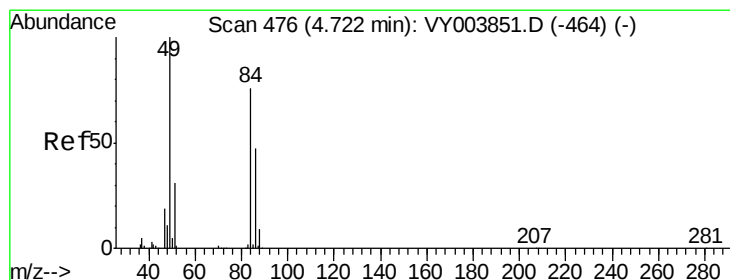
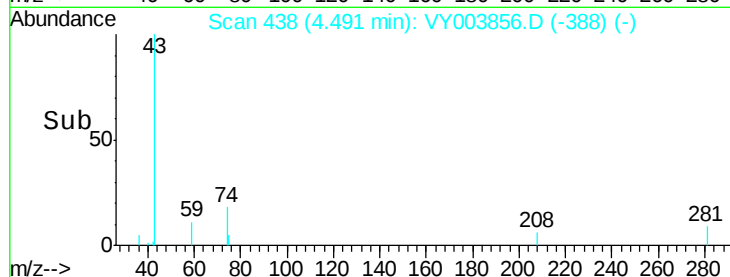
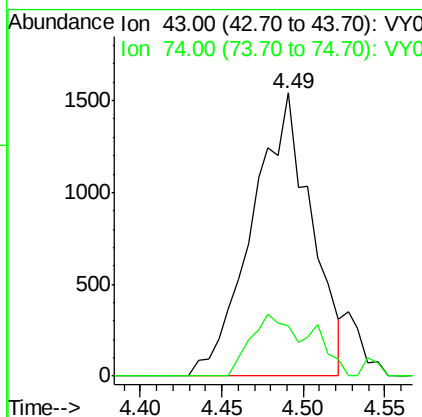
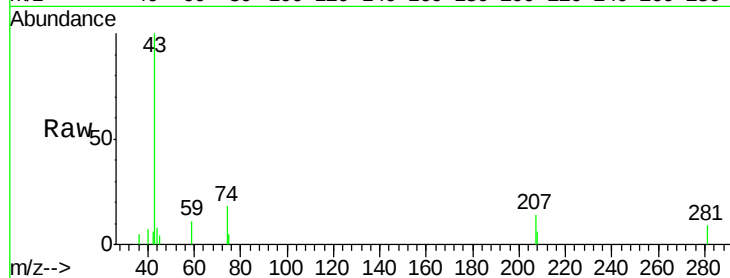
#15
Methyl Acetate
Concen: 1.056 ug/L
RT: 4.49 min Scan# 438
Delta R.T. 0.01 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-02

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

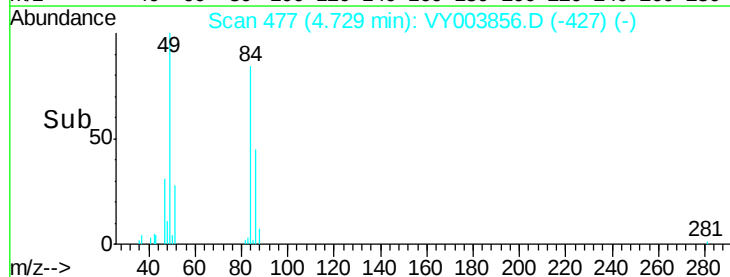
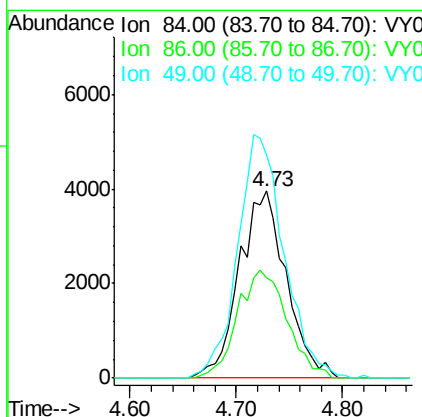
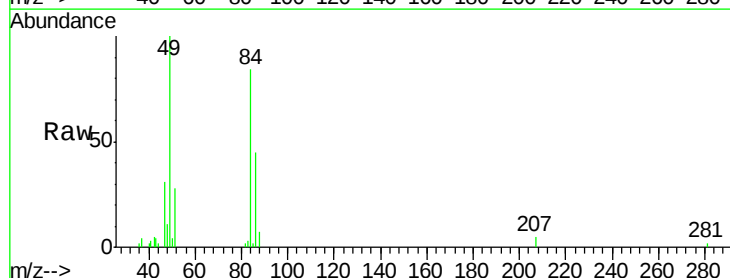
Manual Integrations
APPROVED

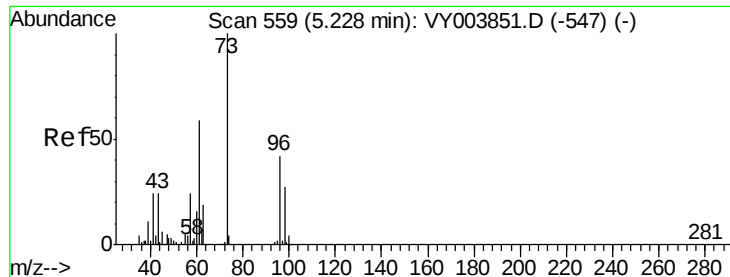
MMDadoda
12/30/2020 6:36:27 PM



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

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





#17

trans-1,2-Dichloroethene

Concen: 1.207 ug/L

RT: 5.22 min Scan# 558

Delta R.T. -0.01 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

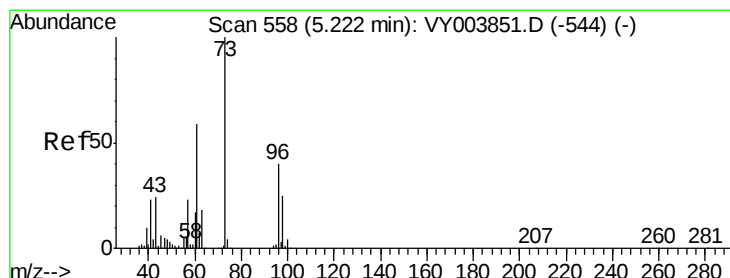
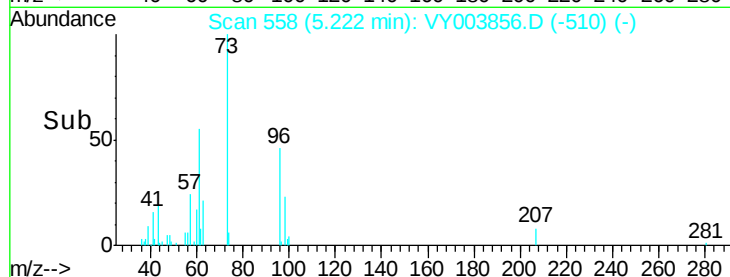
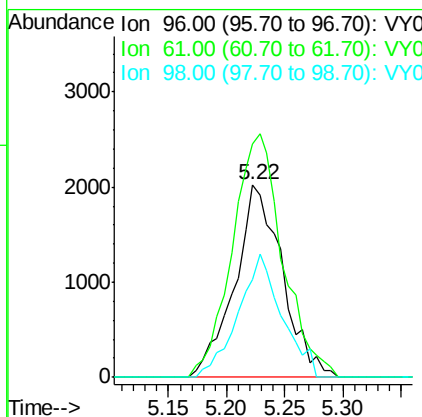
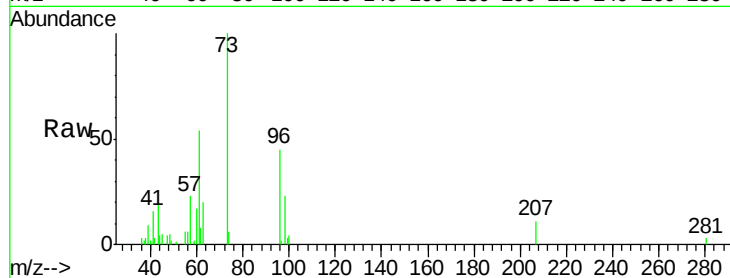
ClientSampleId :

MDL-SOIL-02

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

Manual Integrations
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#18

Methyl tert-butyl Ether

Concen: 1.069 ug/L

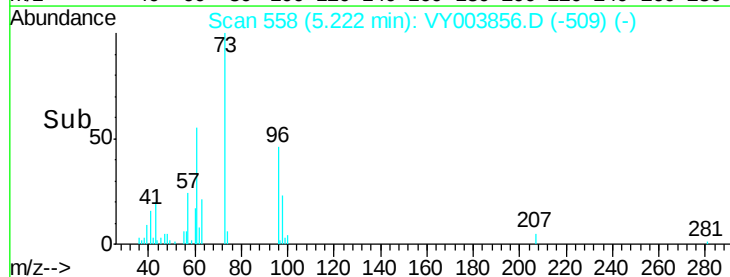
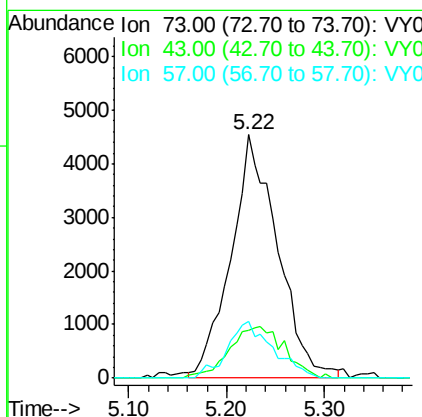
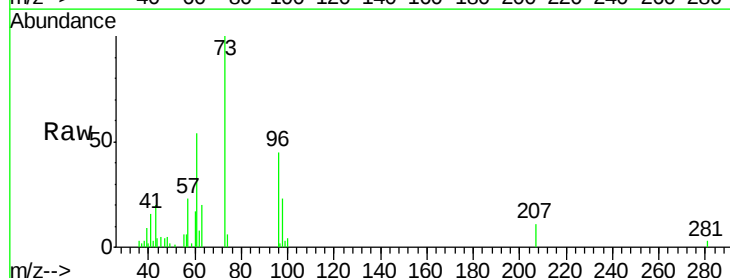
RT: 5.22 min Scan# 558

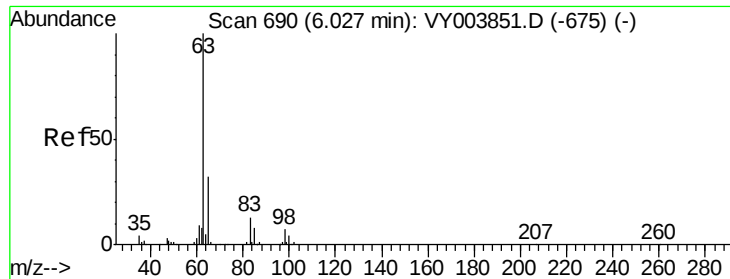
Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

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





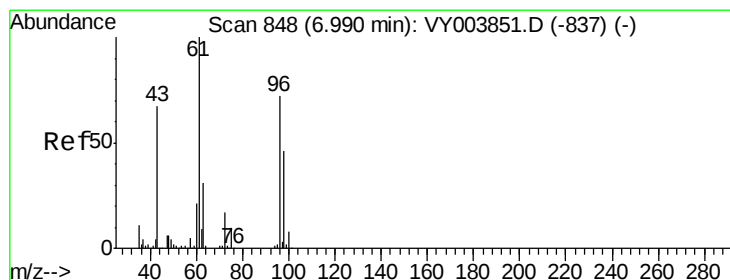
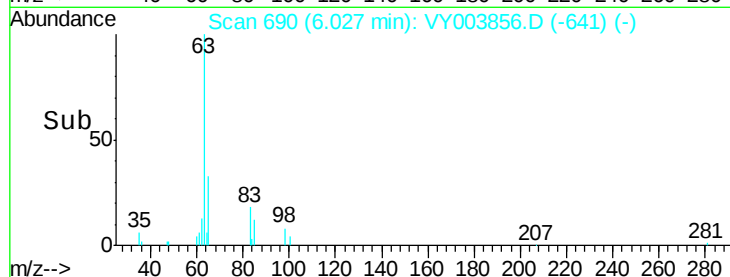
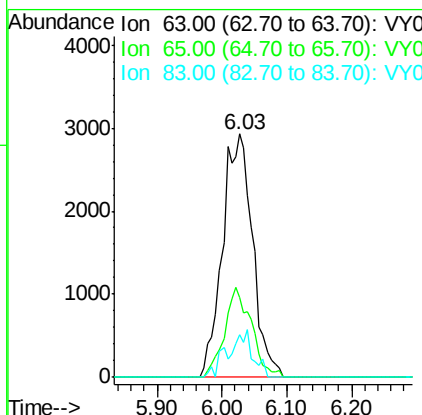
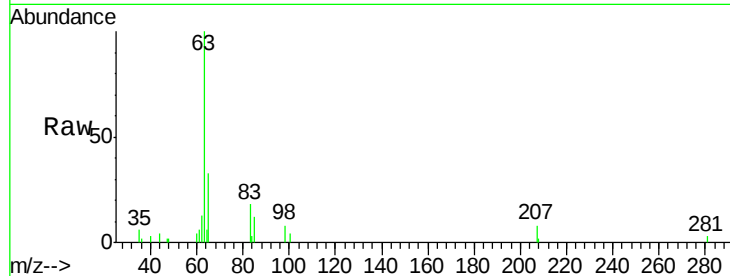
#19
 1,1-Dichloroethane
 Concen: 1.097 ug/L m
 RT: 6.03 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	21.9	40.7
83	17.7	8.7	16.1

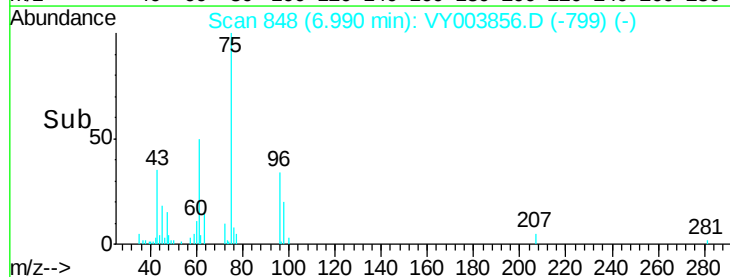
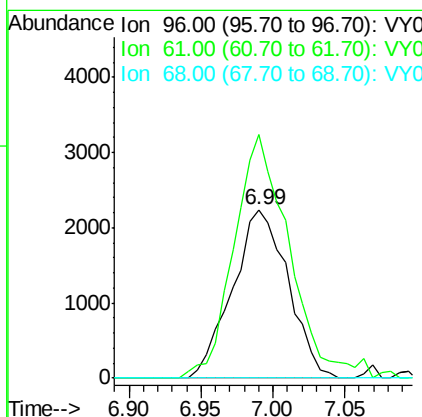
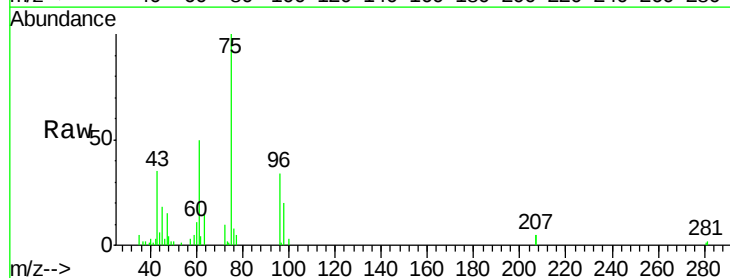
Manual Integrations
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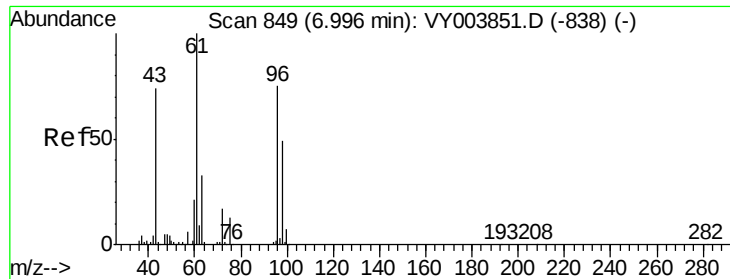
MMDadoda
 12/30/2020 6:36:27 PM



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

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.7	90.6	168.3
68	0.0	0.0	0.0





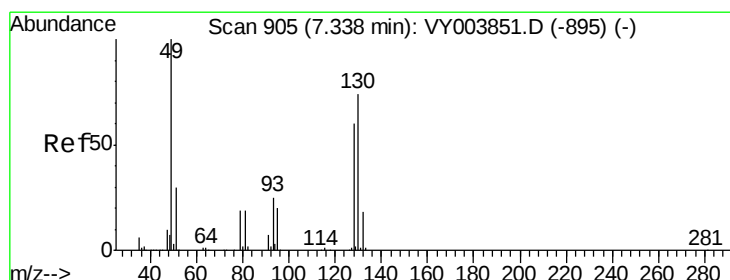
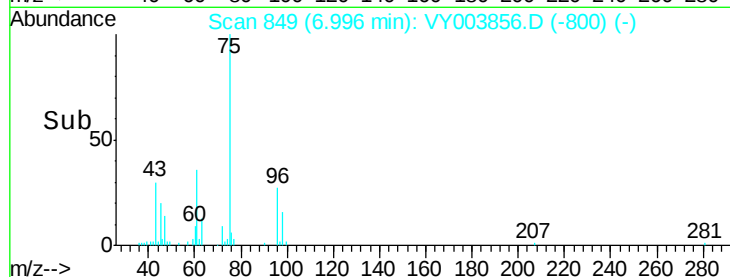
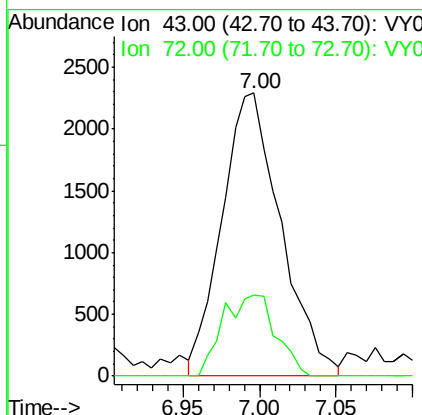
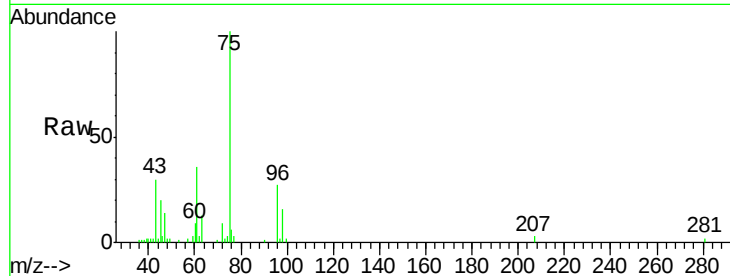
#22
2-Butanone
Concen: 2.480 ug/L
RT: 7.00 min Scan# 849
Delta R.T. 0.00 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-02

Tot Ion: 43 Resp: 6130
Ion Ratio Lower Upper
43 100
72 16.6 12.6 37.8

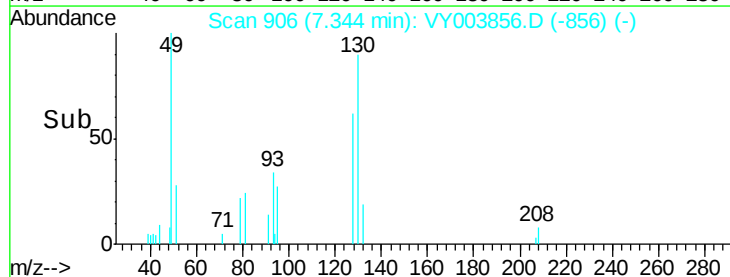
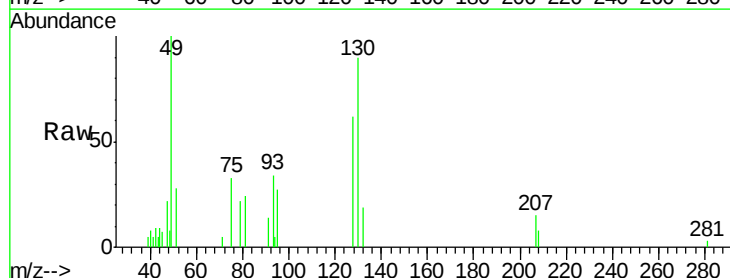
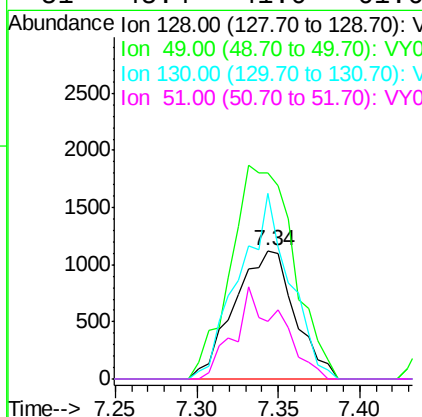
Manual Integrations
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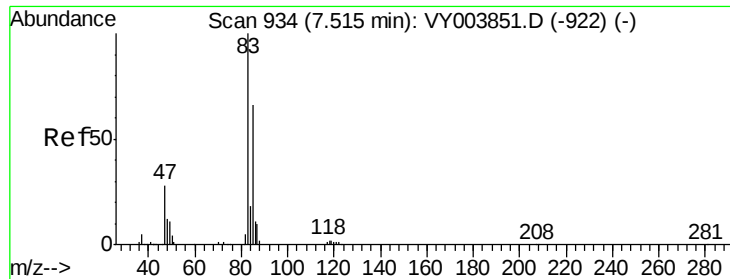
MMDadoda
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#23
Bromochloromethane
Concen: 1.137 ug/L
RT: 7.34 min Scan# 906
Delta R.T. 0.01 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Tgt Ion: 128 Resp: 2896
Ion Ratio Lower Upper
128 100
49 161.2 114.4 212.4
130 145.1 88.8 164.8
51 45.4 41.0 61.6





#25

Chloroform

Concen: 1.523 ug/L

RT: 7.51 min Scan# 933

Delta R.T. -0.01 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-02

Tot Ion: 83 Resp: 13751

Ion Ratio Lower Upper

83 100

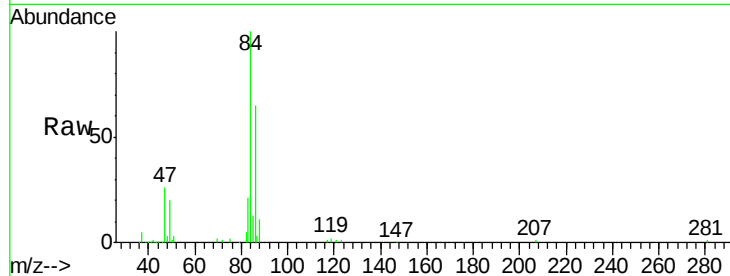
85 59.2 44.2 82.2

Manual Integrations

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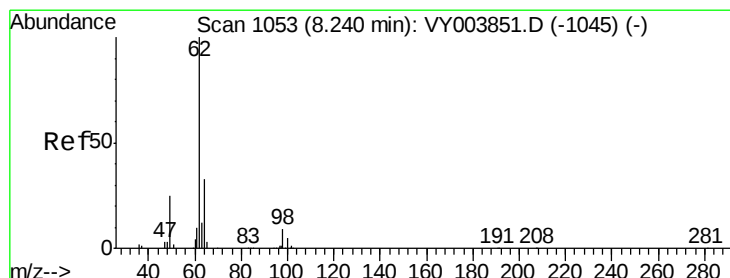
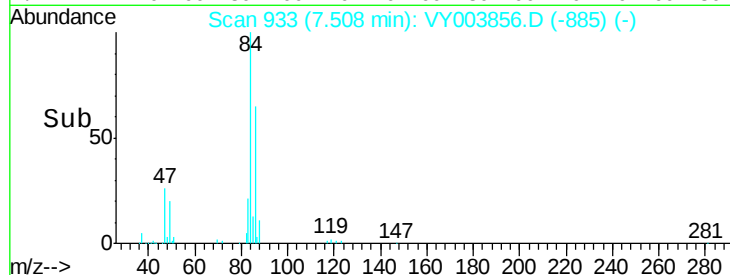
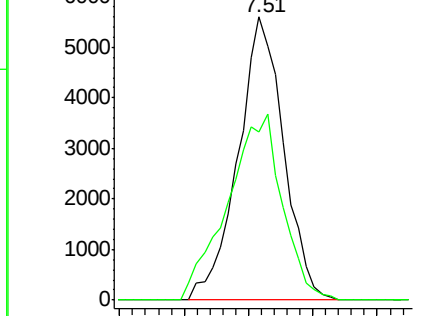
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 1.190 ug/L

RT: 8.24 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY003856.D

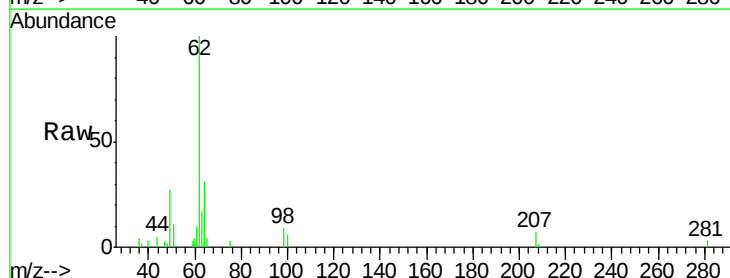
Acq: 29 Dec 2020 17:06

Tgt Ion: 62 Resp: 8348

Ion Ratio Lower Upper

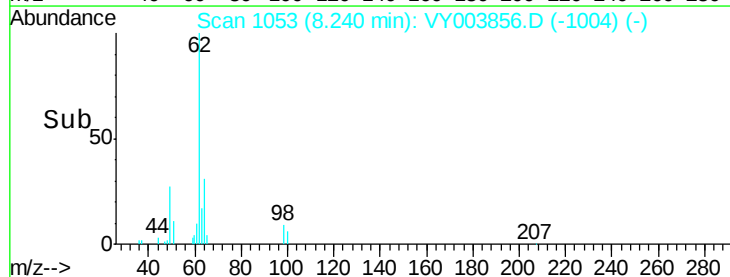
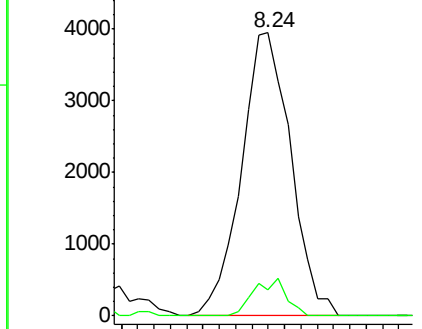
62 100

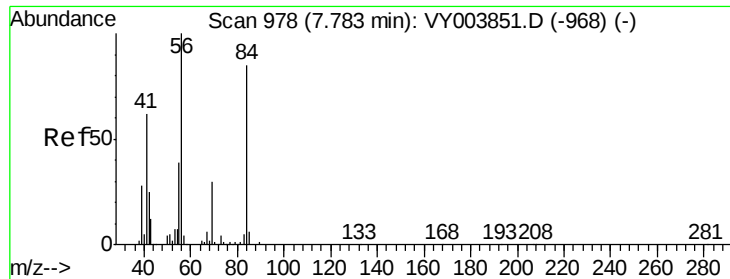
98 9.3 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





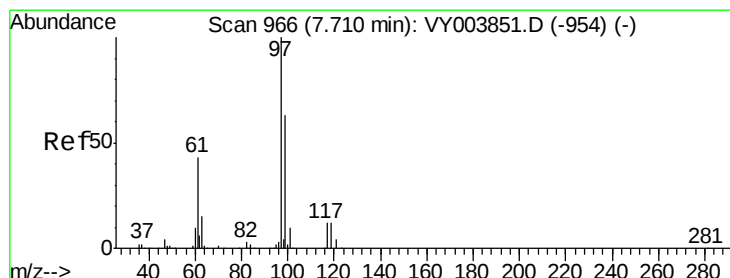
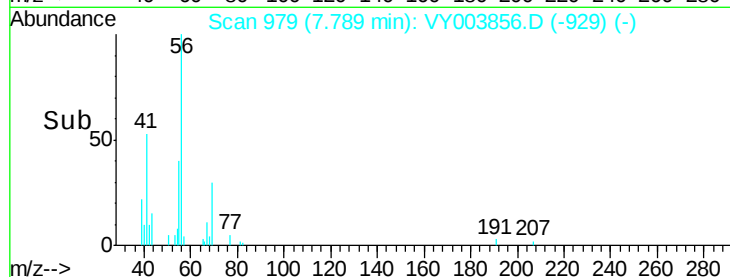
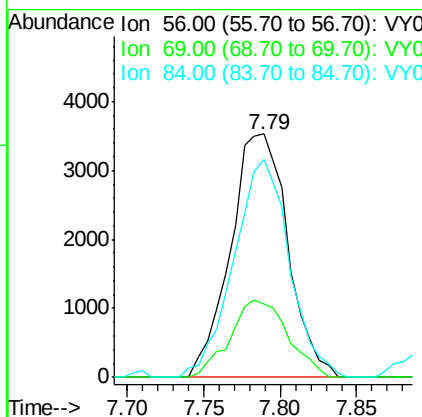
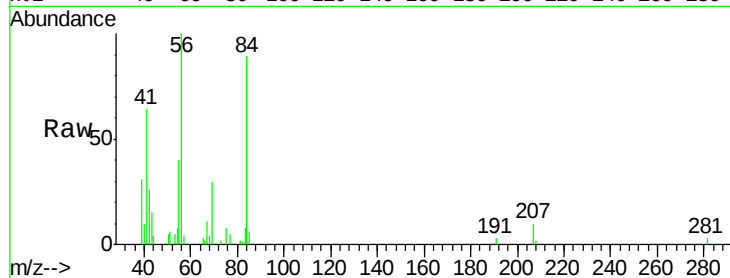
#29
Cyclohexane
Concen: 1.126 ug/L
RT: 7.79 min Scan# 979
Delta R.T. 0.01 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-02

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

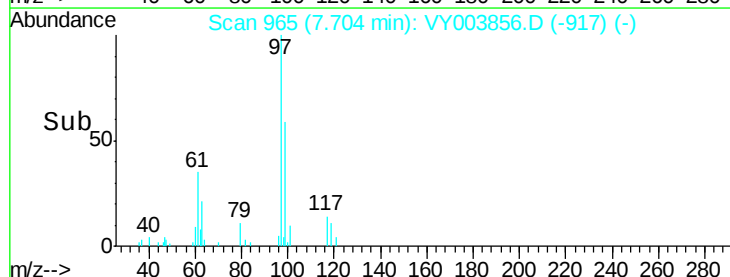
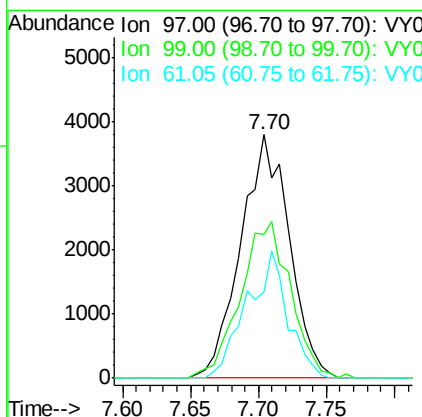
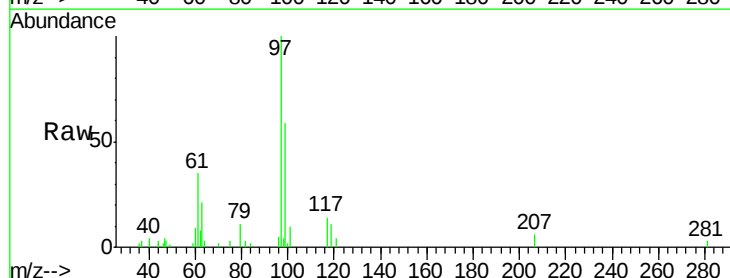
Manual Integrations
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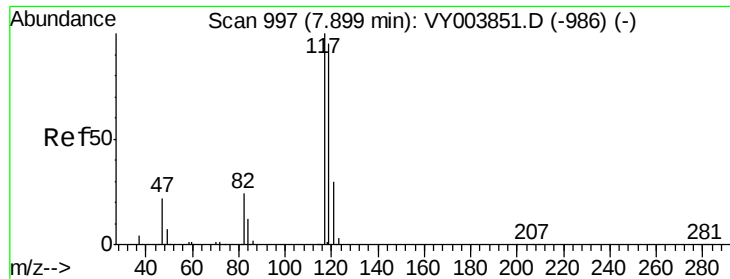
MMDadoda
12/30/2020 6:36:27 PM



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

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.3	50.5	75.7
61	27.2	35.5	53.3





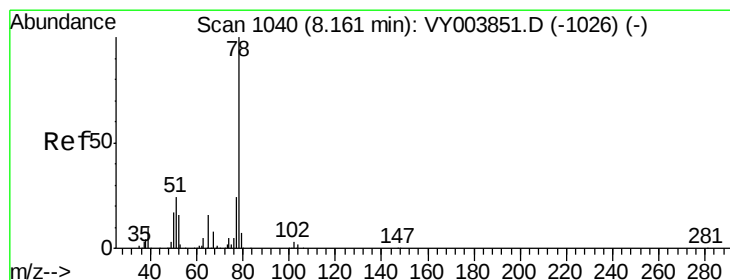
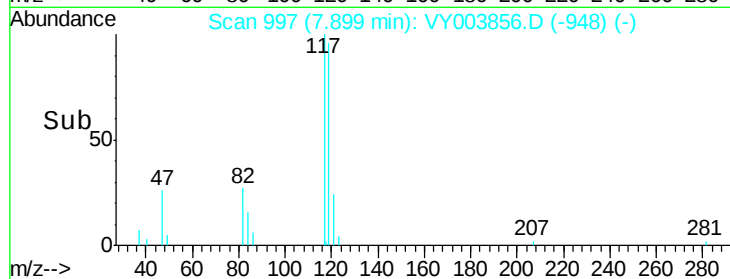
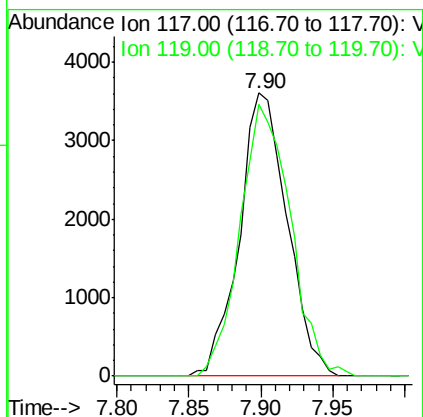
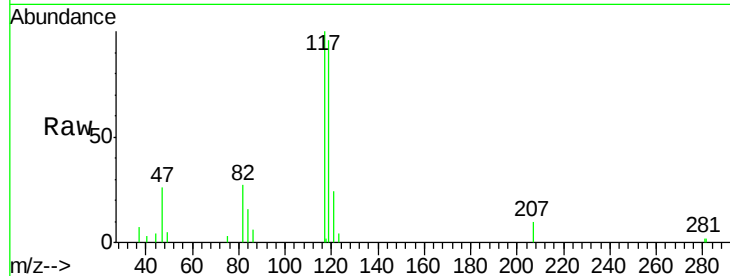
#31
Carbon tetrachloride
Concen: 1.068 ug/L
RT: 7.90 min Scan# 997
Delta R.T. -0.00 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-02

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

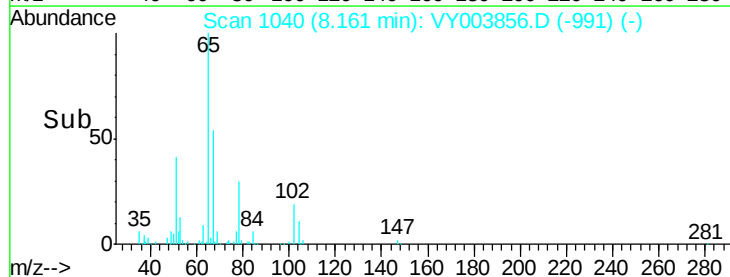
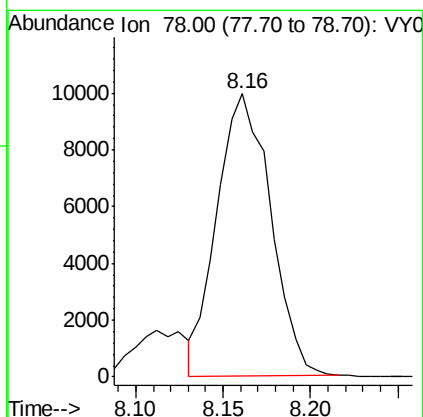
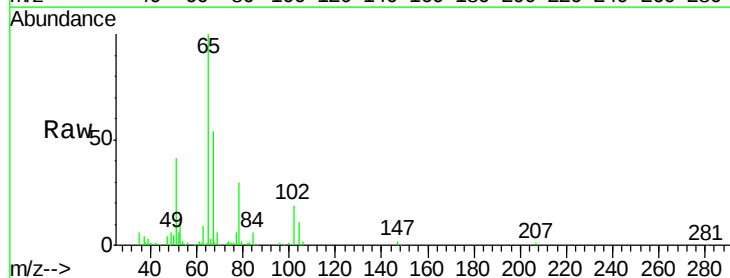
Manual Integrations
APPROVED

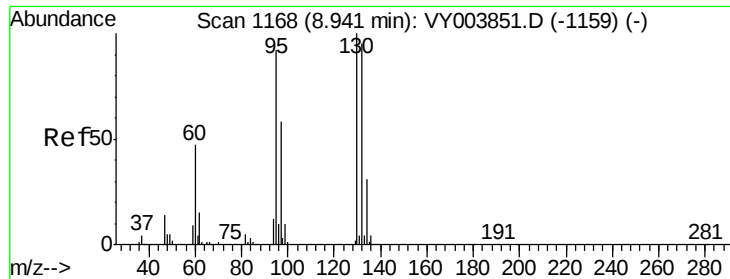
MMDadoda
12/30/2020 6:36:27 PM



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

Tgt Ion: 78 Resp: 21158





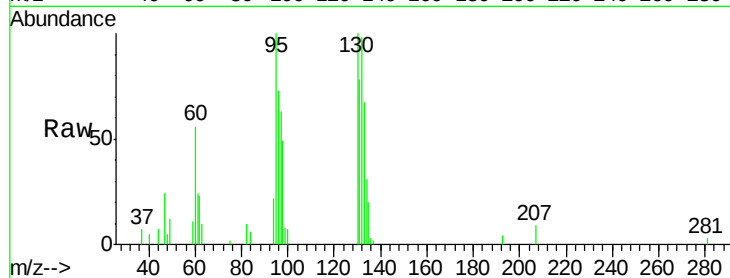
#34
 Trichloroethene
 Concen: 1.097 ug/L
 RT: 8.94 min Scan# 1167
 Delta R.T. -0.01 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-02

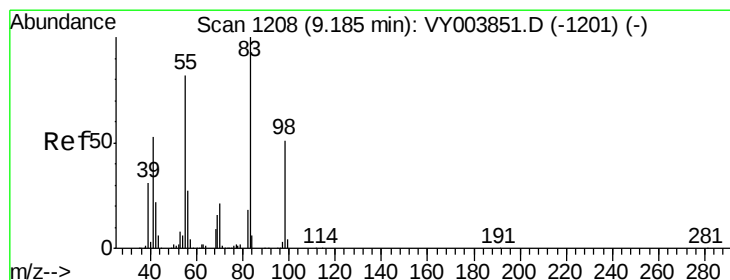
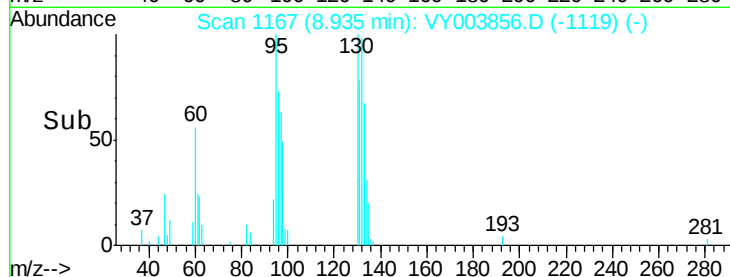
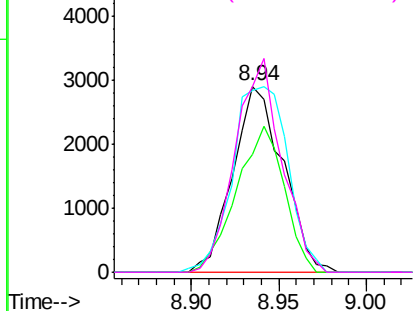
Tot Ion:	95	Resp:	5788
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.4	82.5
132	98.0	71.8	133.4
130	100.3	74.4	138.2

Manual Integrations
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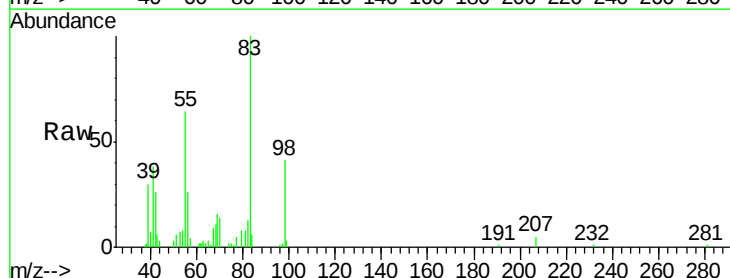


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

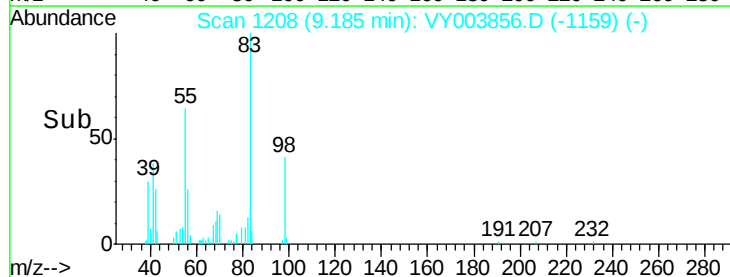
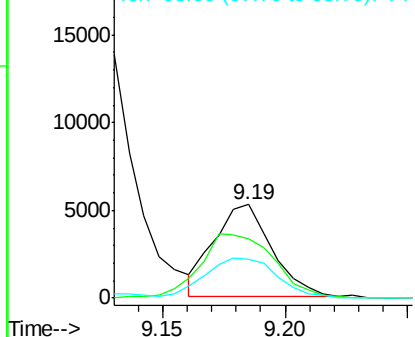


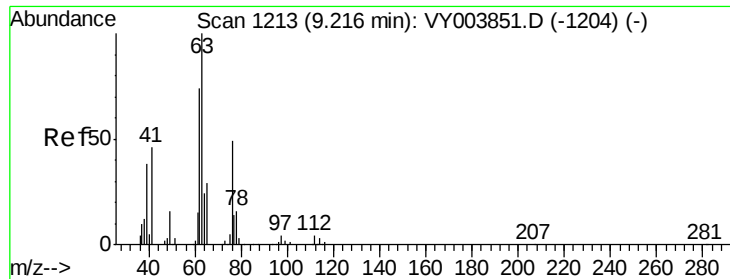
#35
 Methylcyclohexane
 Concen: 0.997 ug/L
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

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



Abundance Ion 83.00 (82.70 to 83.70): VY0
 Ion 55.00 (54.70 to 55.70): VY0
 Ion 98.00 (97.70 to 98.70): VY0





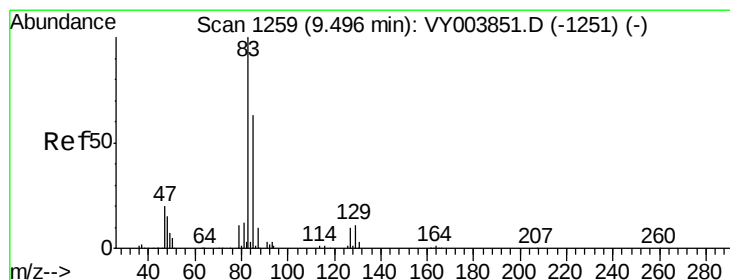
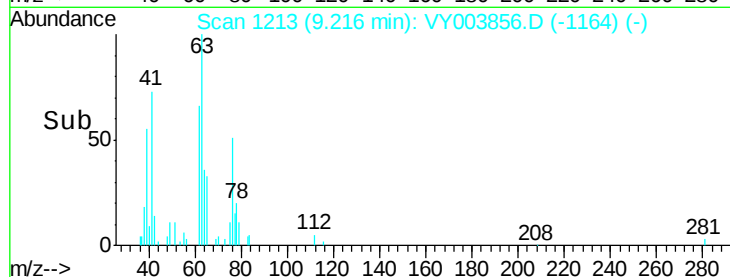
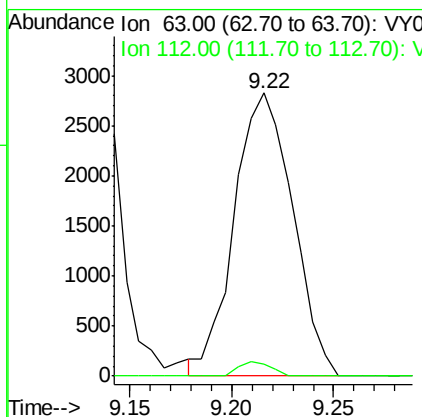
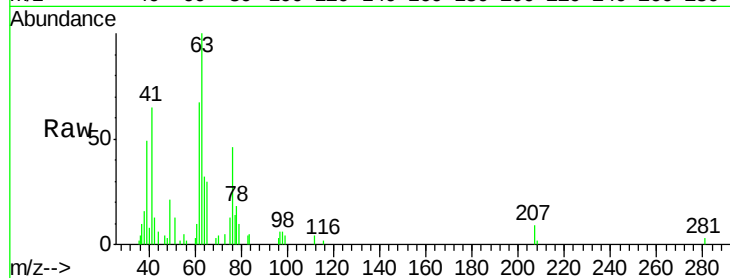
#37
 1,2-Dichloropropane
 Concen: 1.160 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-02

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

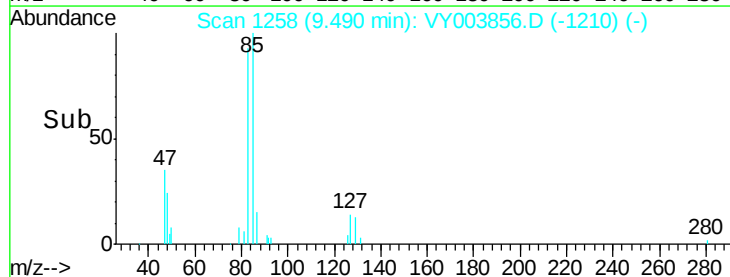
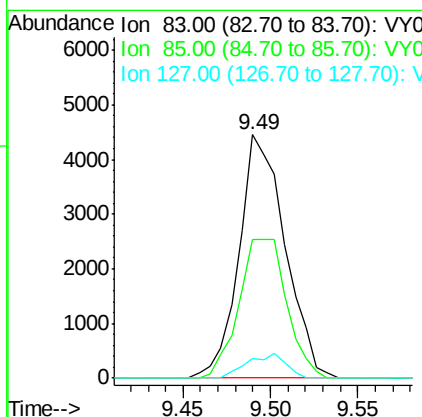
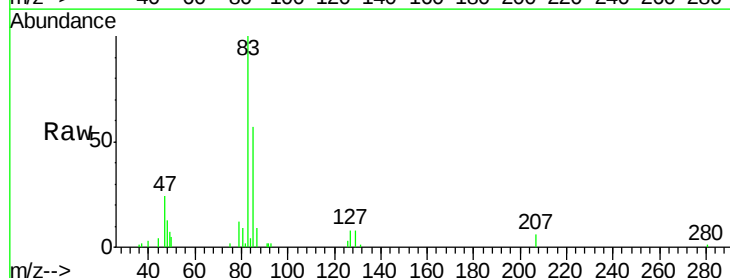
Manual Integrations
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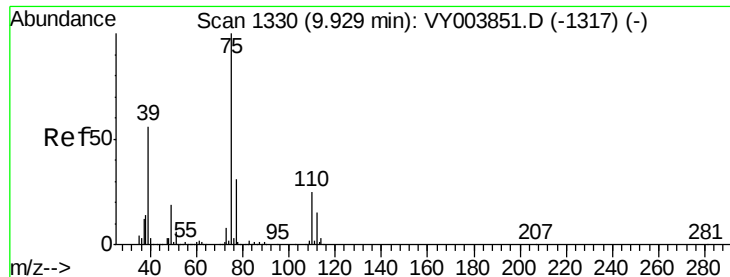
MMDadoda
 12/30/2020 6:36:27 PM



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

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





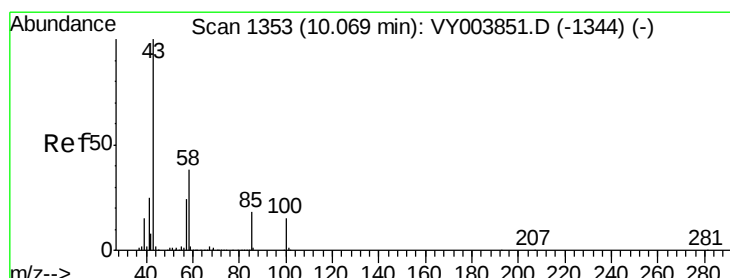
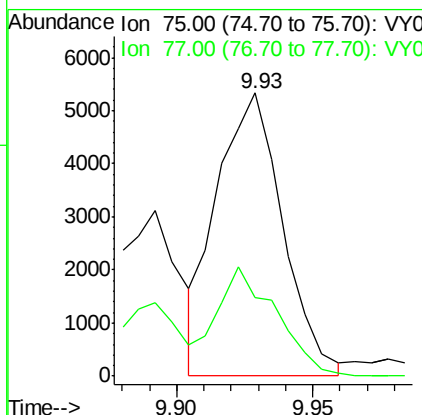
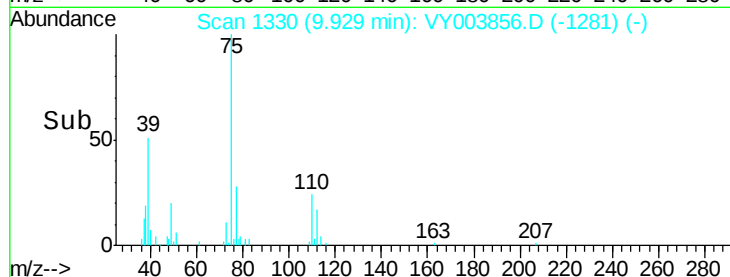
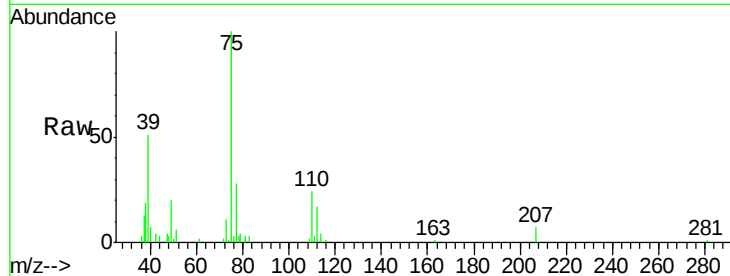
#39
 cis-1,3-Dichloropropene
 Concen: 1.083 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-02

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

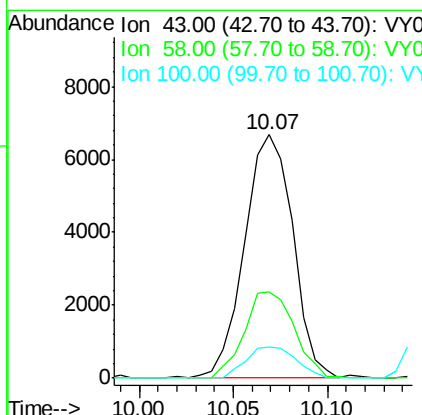
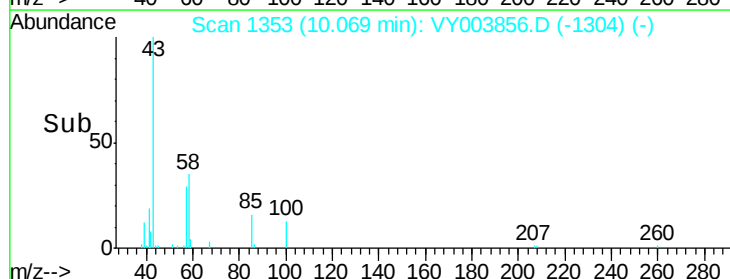
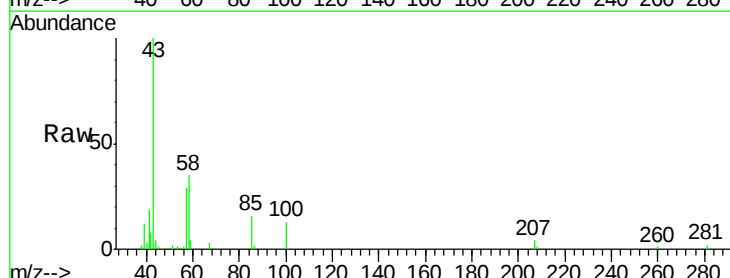
Manual Integrations
 APPROVED

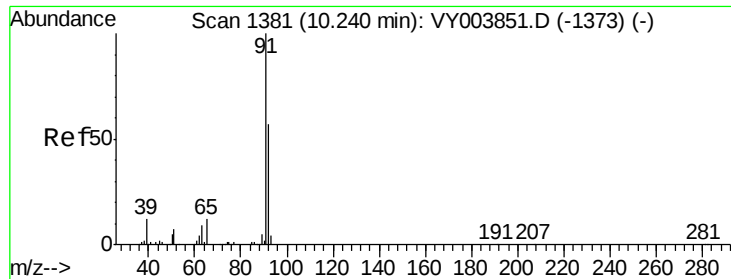
MMDadoda
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#40
 4-Methyl-2-pentanone
 Concen: 2.290 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

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





#42

Toluene

Concen: 1.155 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-02

Tot Ion: 91 Resp: 24383

Ion Ratio Lower Upper

91 100

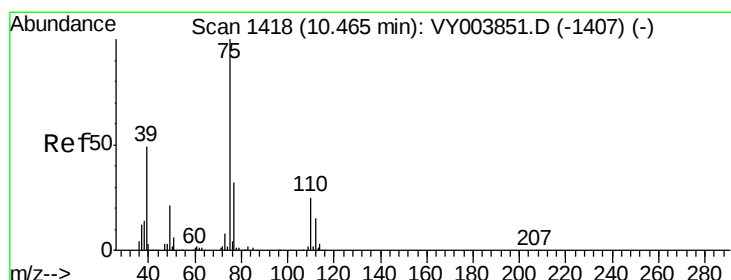
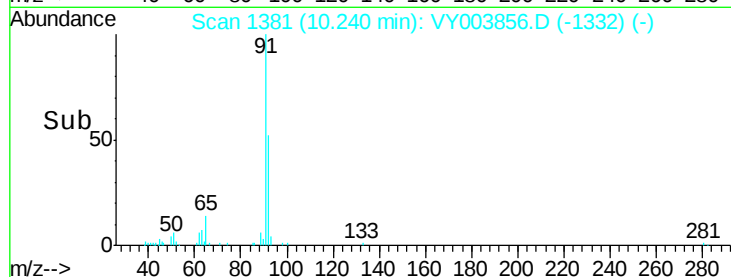
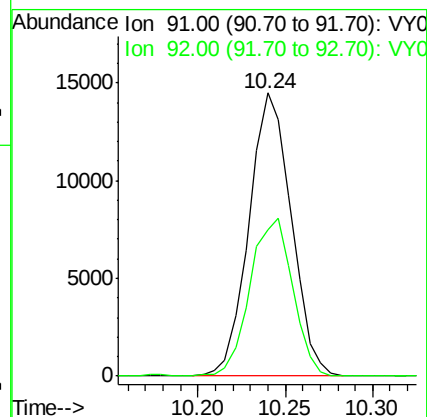
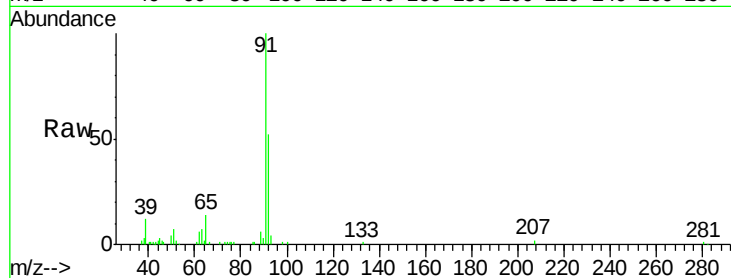
92 51.8 39.9 74.1

Manual Integrations

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#44

trans-1,3-Dichloropropene

Concen: 1.564 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003856.D

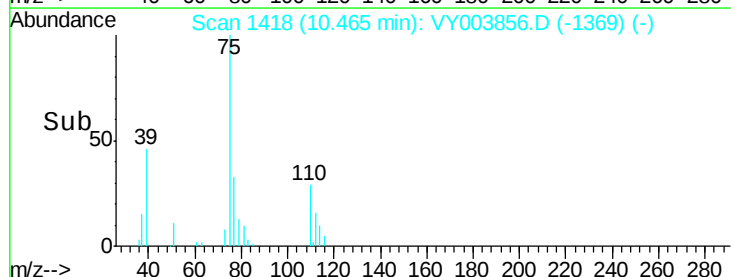
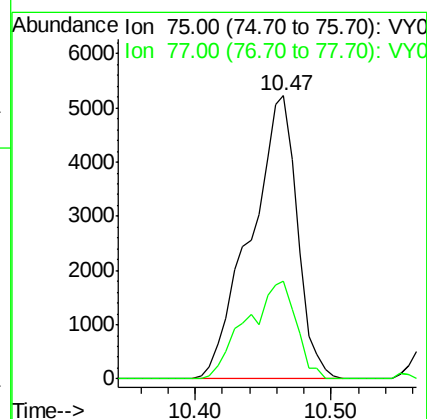
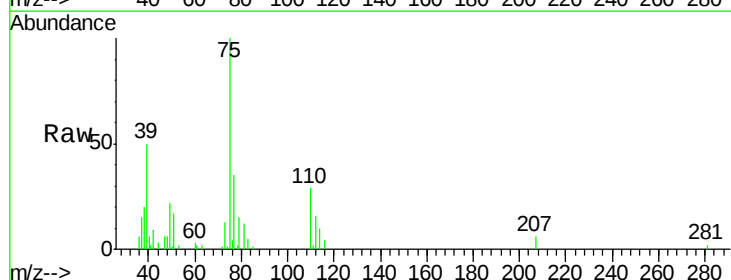
Acq: 29 Dec 2020 17:06

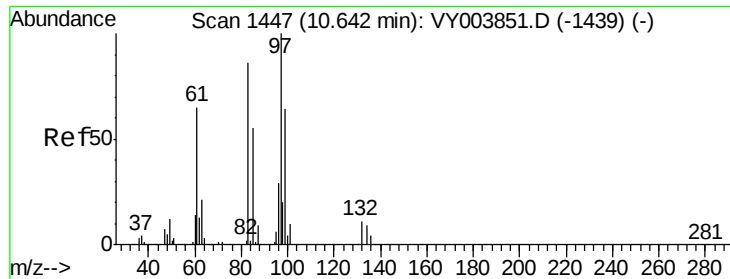
Tgt Ion: 75 Resp: 12530

Ion Ratio Lower Upper

75 100

77 34.7 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 1.149 ug/L

RT: 10.64 min Scan# 1447

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

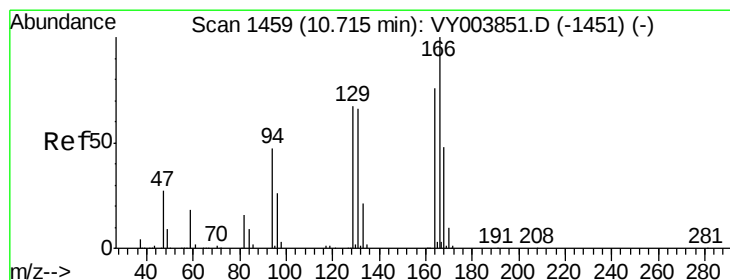
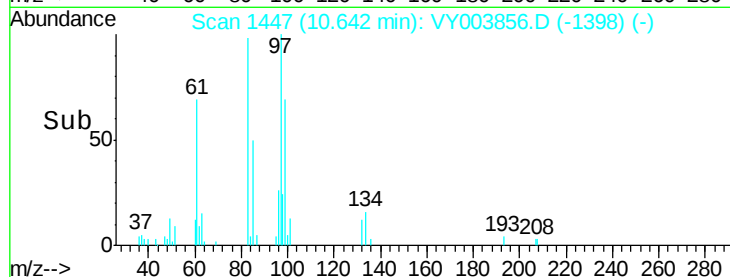
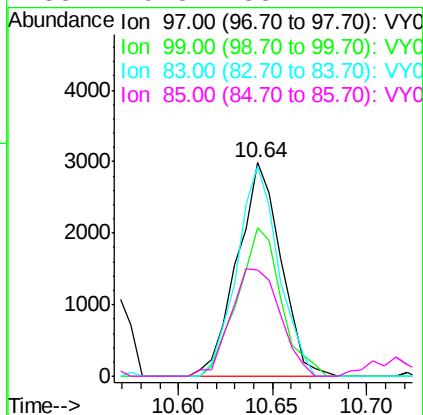
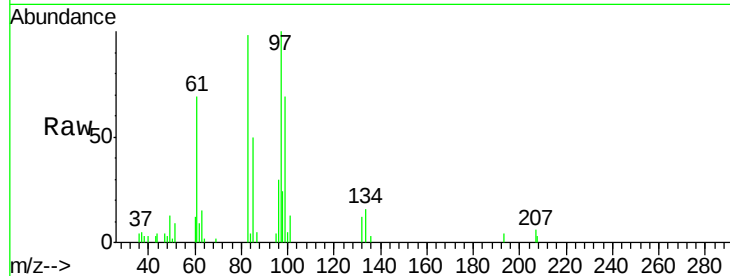
ClientSampleId :

MDL-SOIL-02

Tot Ion:	97	Resp:	4793
Ion	Ratio	Lower	Upper
97	100		
99	69.4	46.0	85.4
83	98.2	60.8	112.8
85	49.8	38.4	71.2

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#46

Tetrachloroethene

Concen: 1.175 ug/L

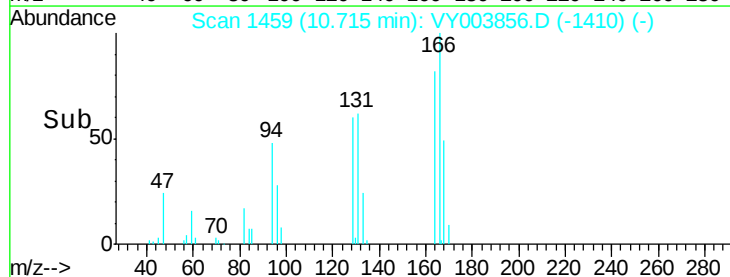
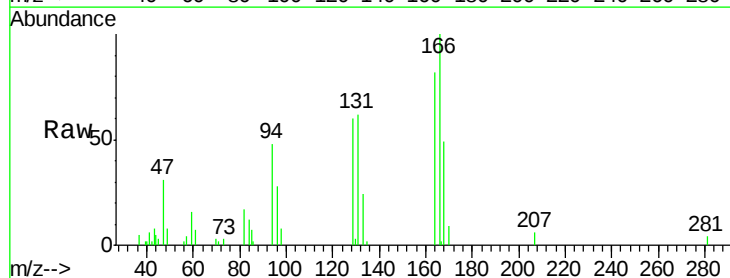
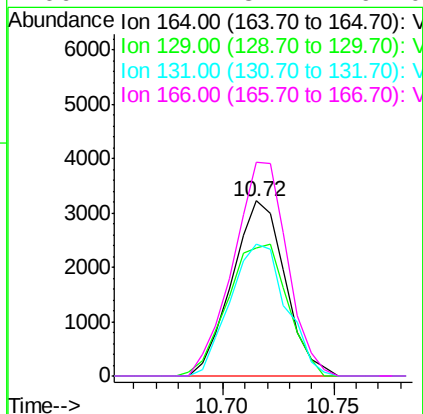
RT: 10.72 min Scan# 1459

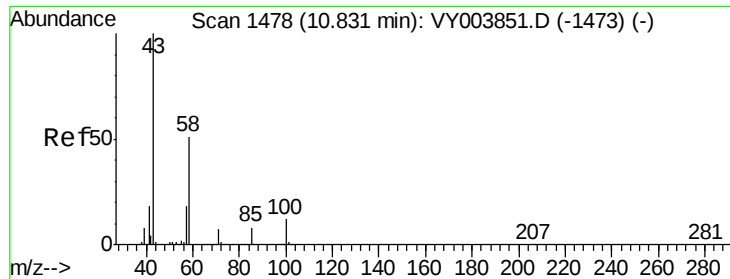
Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Tgt Ion:	164	Resp:	5361
Ion	Ratio	Lower	Upper
164	100		
129	73.1	62.5	116.1
131	75.6	60.7	112.7
166	122.1	87.2	162.0





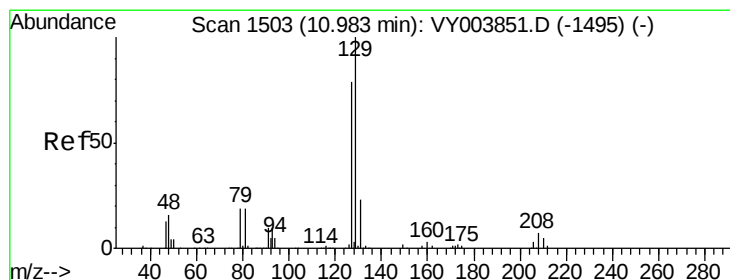
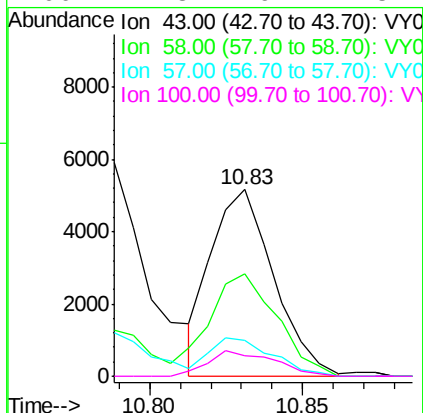
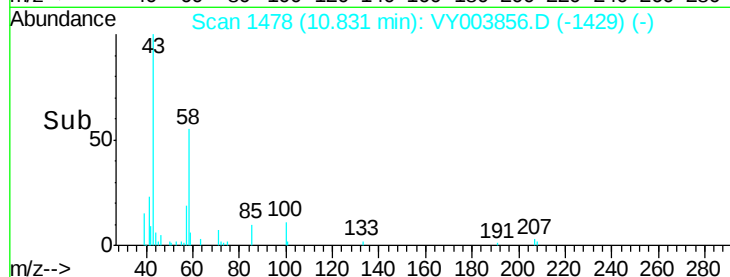
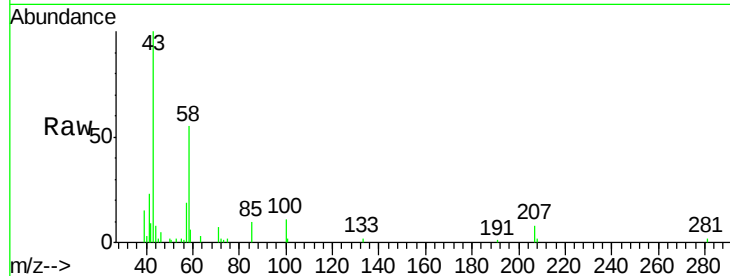
#48
2-Hexanone
Concen: 1.934 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-02

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

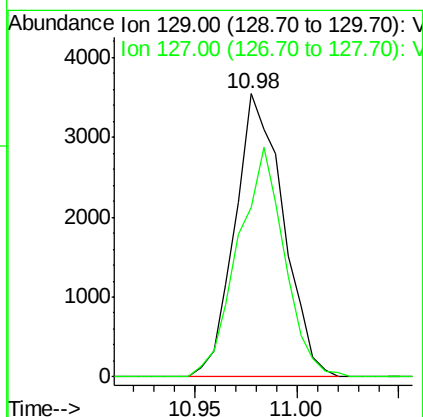
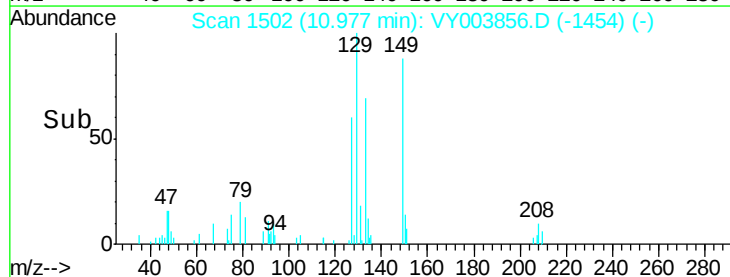
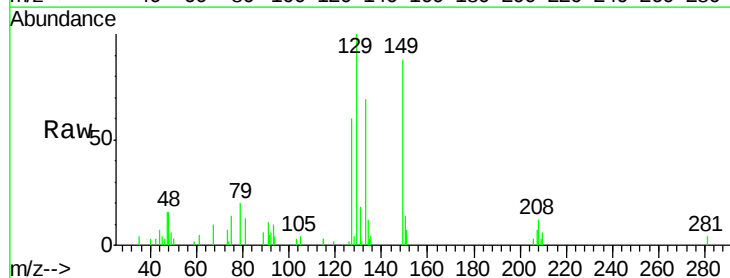
Manual Integrations
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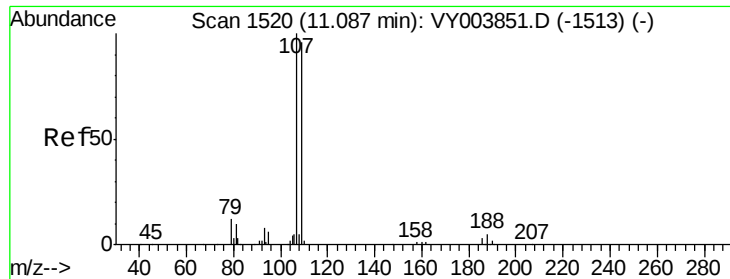
MMDadoda
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#49
Dibromochloromethane
Concen: 1.106 ug/L
RT: 10.98 min Scan# 1502
Delta R.T. -0.01 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	59.9	52.7	97.9	





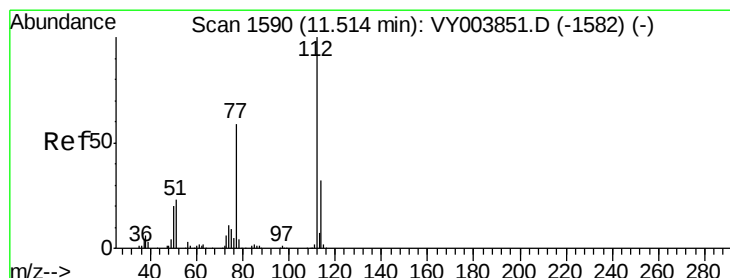
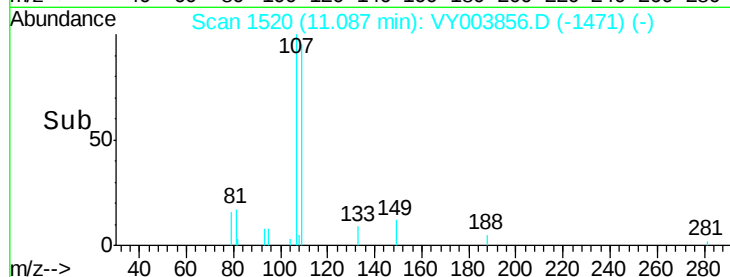
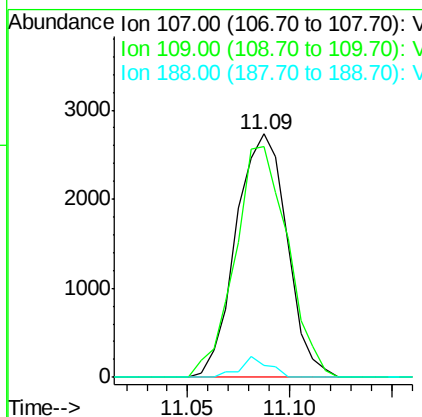
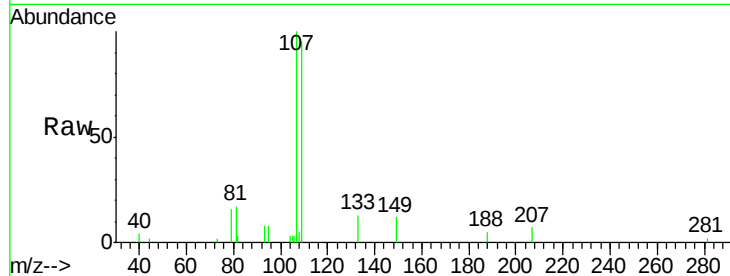
#50
 1,2-Dibromoethane
 Concen: 1.152 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. -0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-02

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

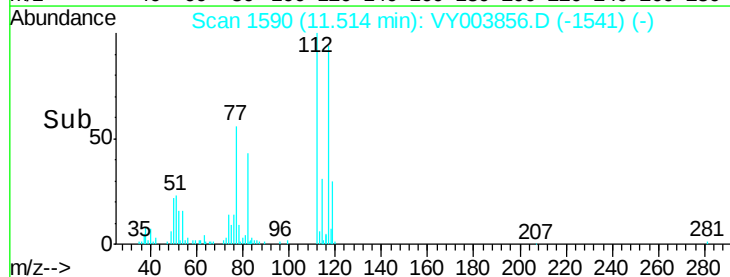
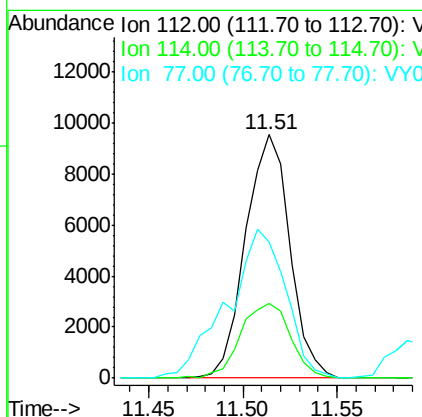
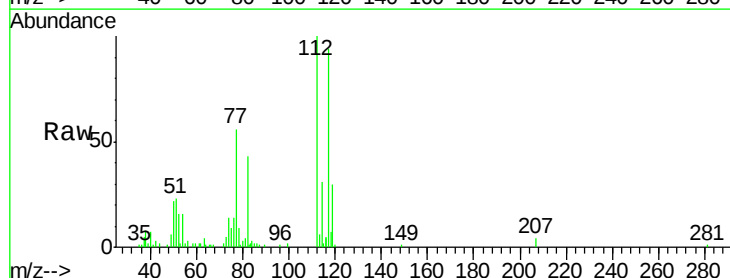
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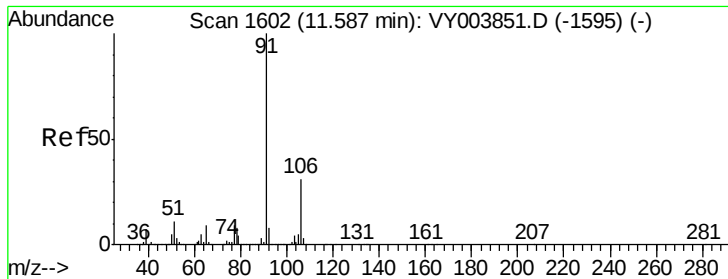
MMDadoda
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#51
 Chlorobenzene
 Concen: 1.139 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

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





#52

Ethylbenzene

Concen: 1.113 ug/L

RT: 11.59 min Scan# 1602

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-02

Tot Ion: 91 Resp: 26322

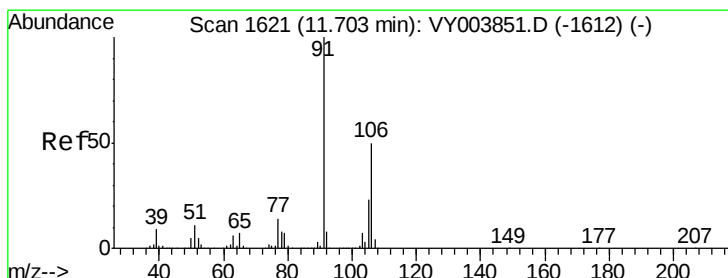
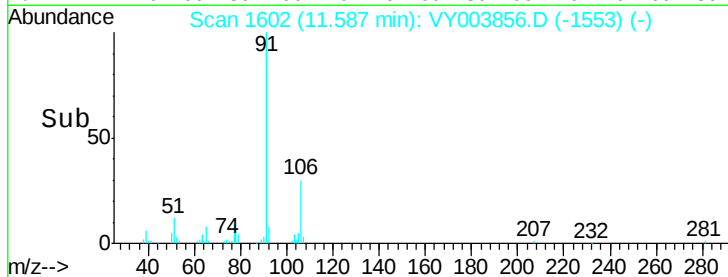
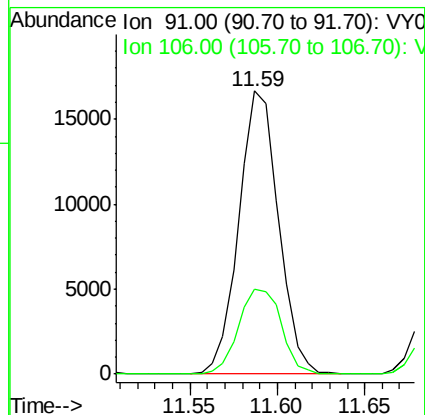
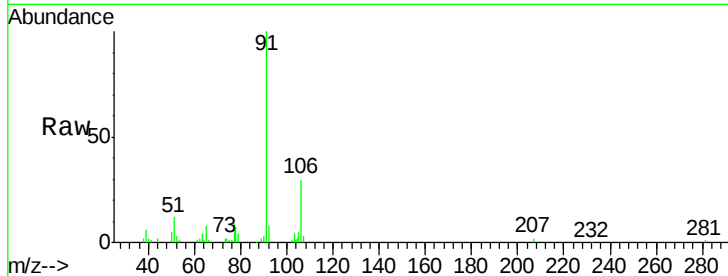
Ion Ratio Lower Upper

91 100

106 30.1 21.6 40.0

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#53

m,p-Xylene

Concen: 1.099 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VY003856.D

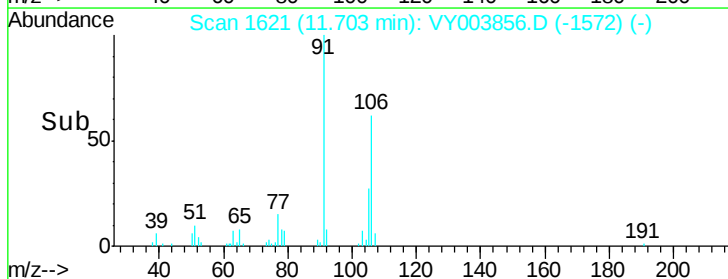
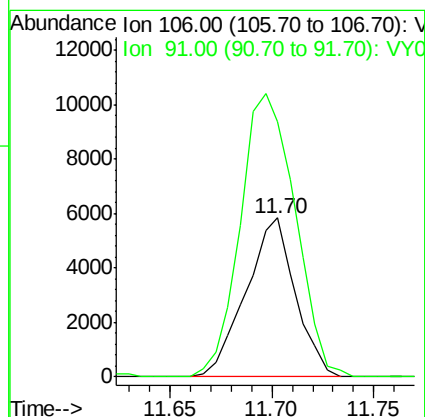
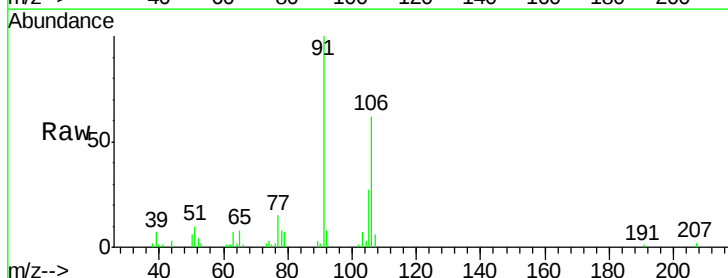
Acq: 29 Dec 2020 17:06

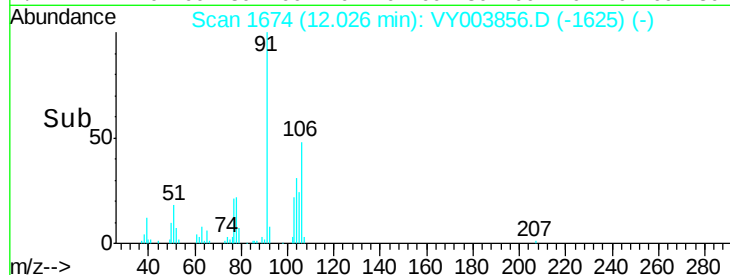
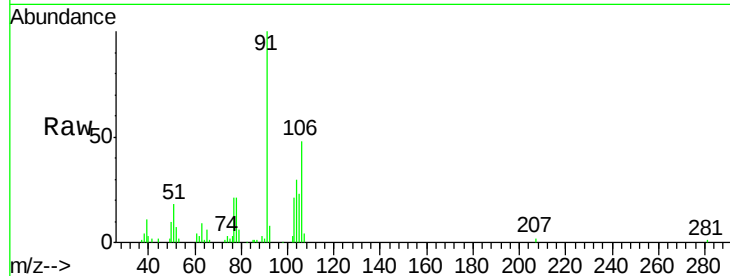
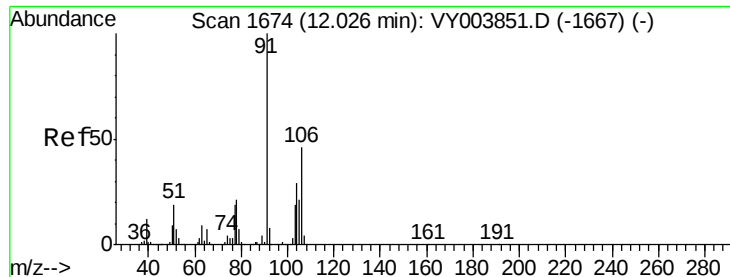
Tgt Ion: 106 Resp: 9856

Ion Ratio Lower Upper

106 100

91 160.3 146.3 271.7





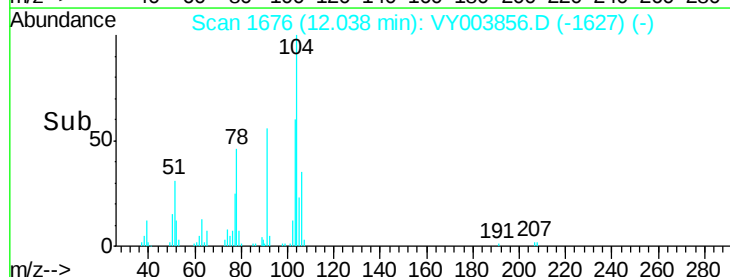
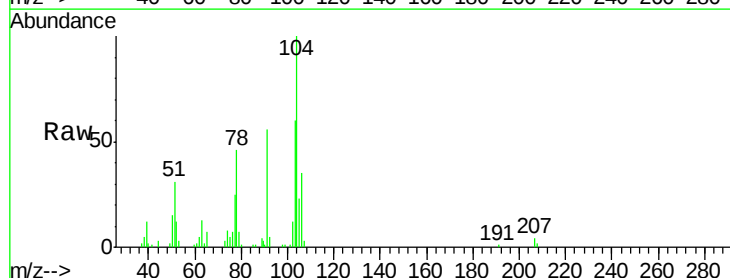
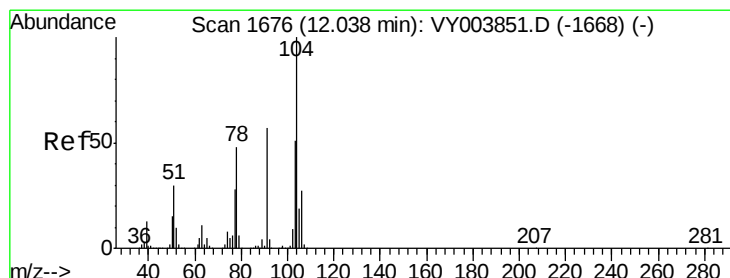
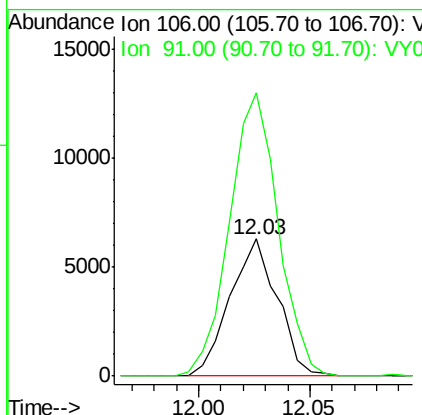
#54
o-Xylene
Concen: 1.068 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Tot Ion:106 Resp: 9329
Ion Ratio Lower Upper
106 100
91 206.6 147.7 274.3

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-02

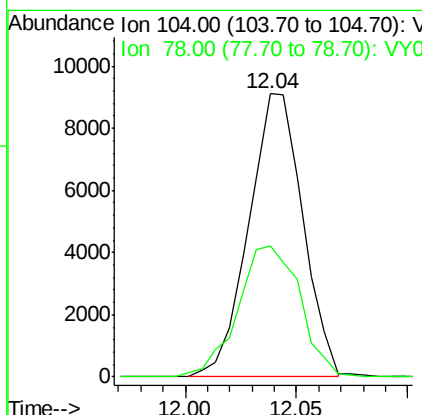
Manual Integrations
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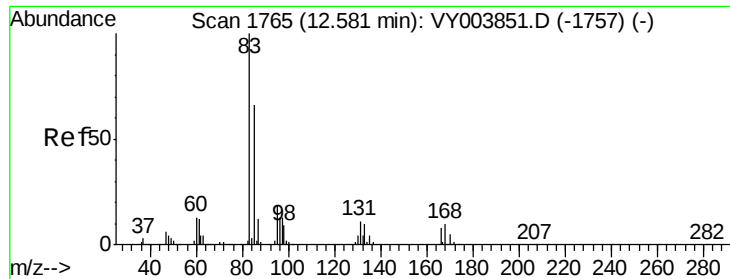
MMDadoda
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#55
Styrene
Concen: 1.018 ug/L
RT: 12.04 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Tgt Ion:104 Resp: 15369
Ion Ratio Lower Upper
104 100
78 46.2 33.2 61.7





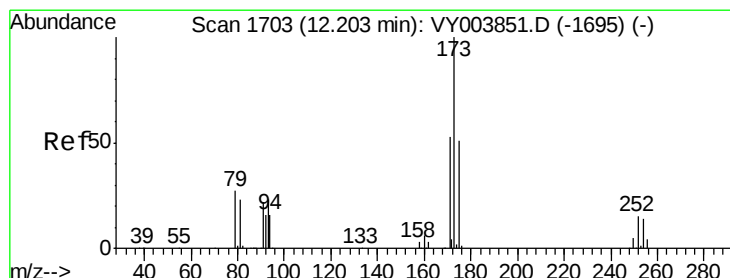
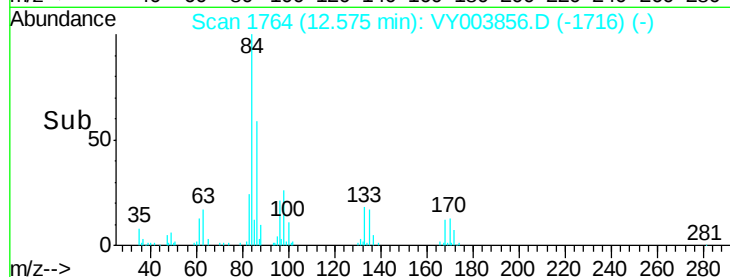
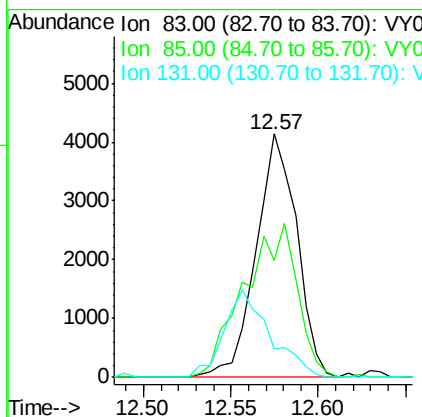
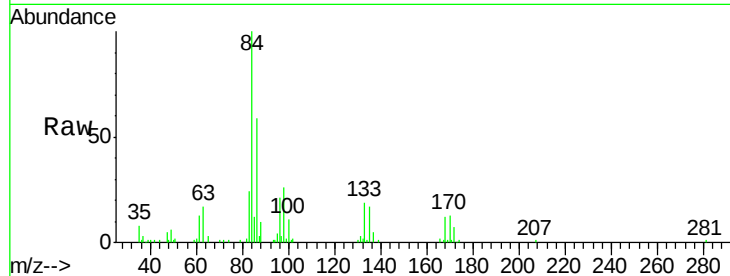
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.361 ug/L
 RT: 12.57 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-02

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

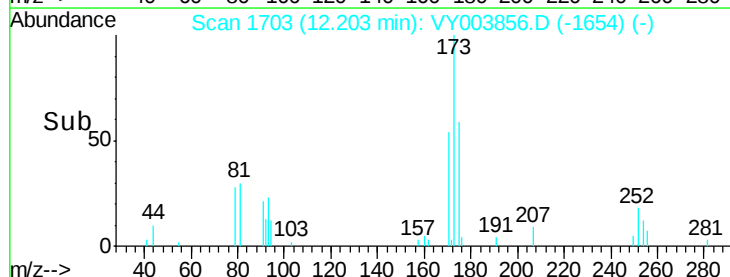
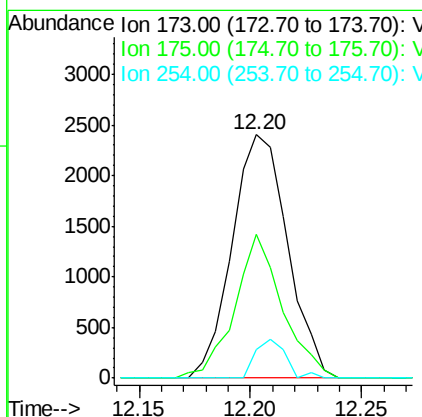
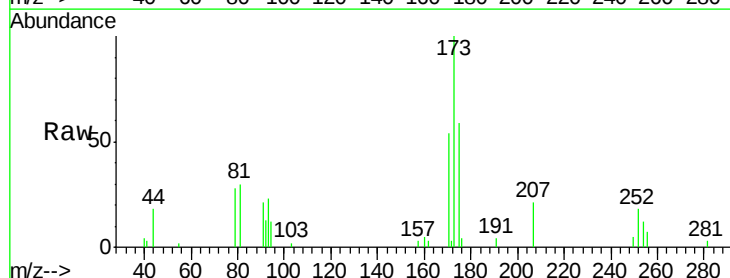
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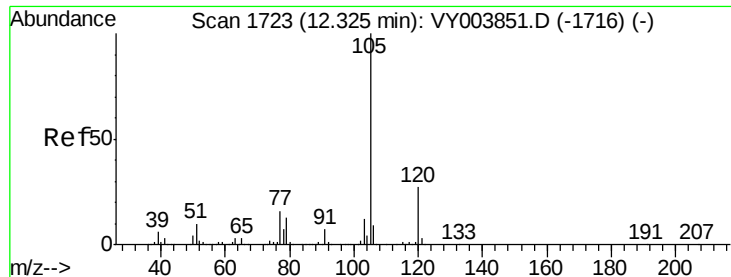
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#59
 Bromoform
 Concen: 1.133 ug/L
 RT: 12.20 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.0	38.9	58.3
254	8.3	11.5	17.3





#60

Isopropylbenzene

Concen: 1.119 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

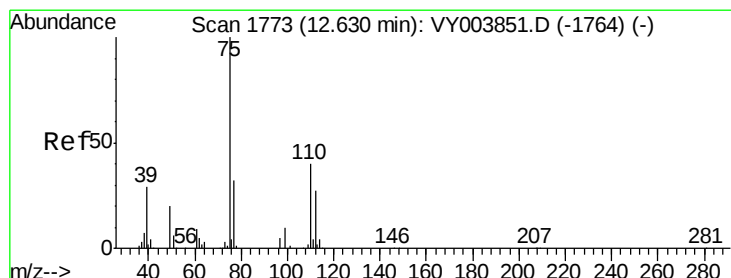
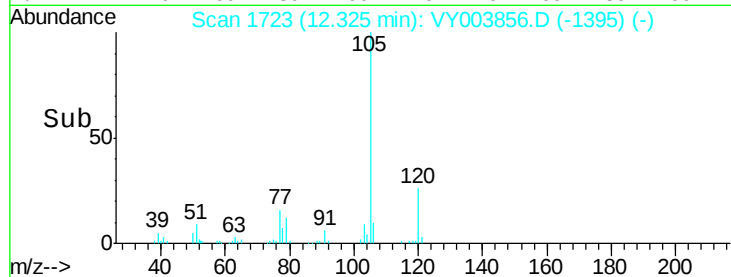
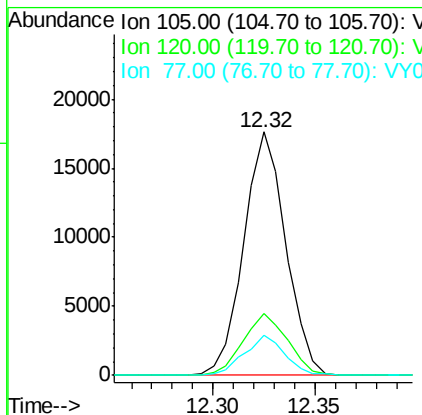
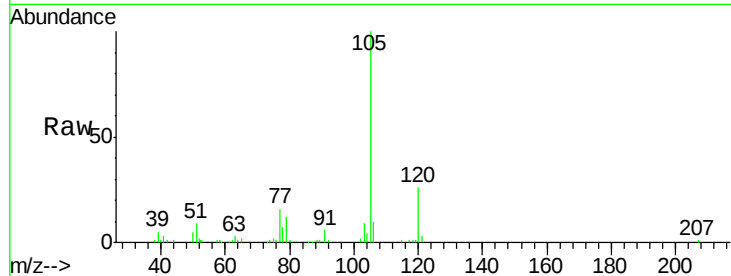
ClientSampleId :

MDL-SOIL-02

Tot Ion:	105	Resp:	25186
Ion Ratio	Lower	Upper	
105	100		
120	26.8	21.7	32.5
77	15.8	12.9	19.3

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#61

1,2,3-Trichloropropane

Concen: 1.160 ug/L

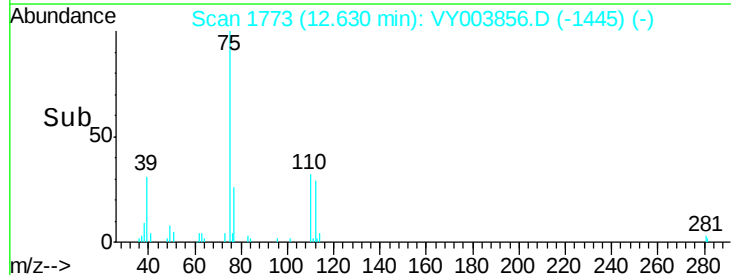
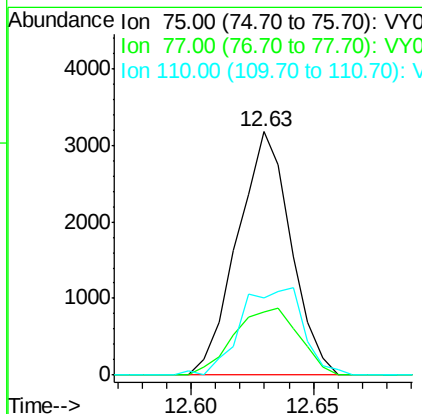
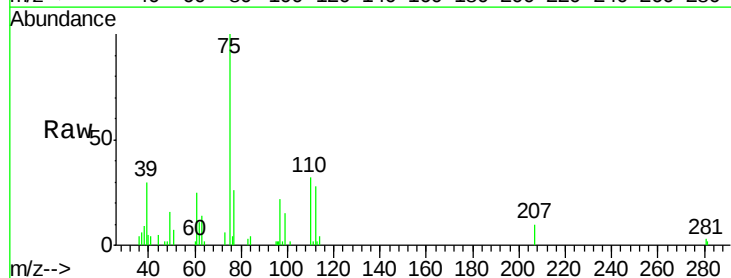
RT: 12.63 min Scan# 1773

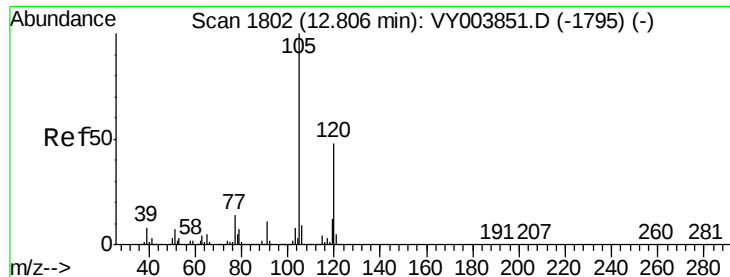
Delta R.T. 0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Tgt Ion:	75	Resp:	4852
Ion Ratio	Lower	Upper	
75	100		
77	33.3	26.2	39.4
110	21.7	32.4	48.6#





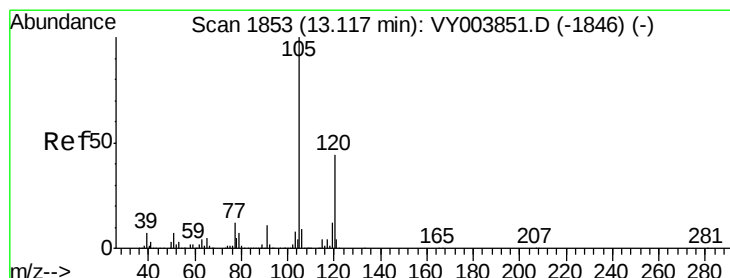
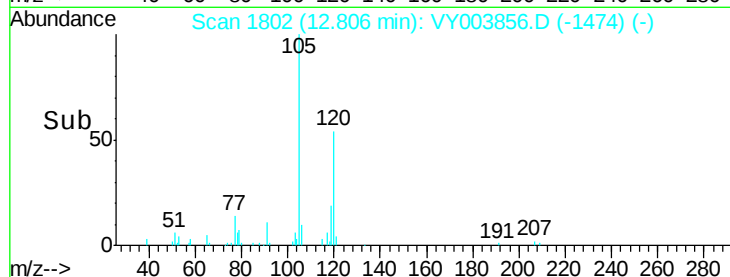
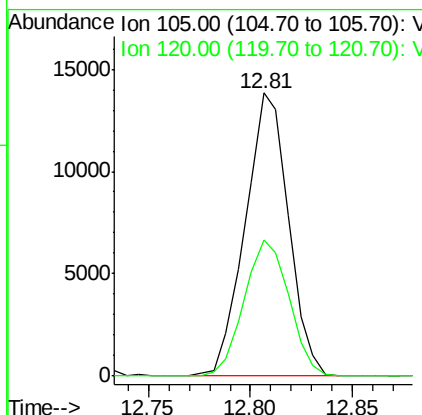
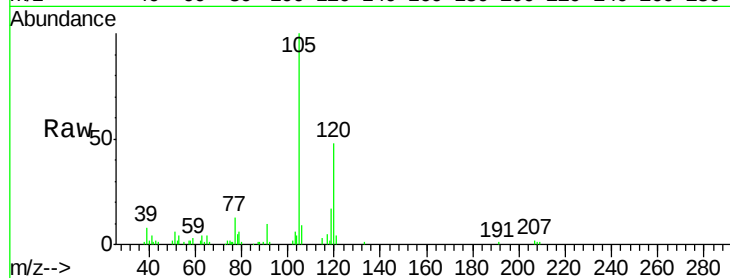
#62
 1,3,5-Trimethylbenzene
 Concen: 1.094 ug/L
 RT: 12.81 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-02

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.7	39.0	58.4

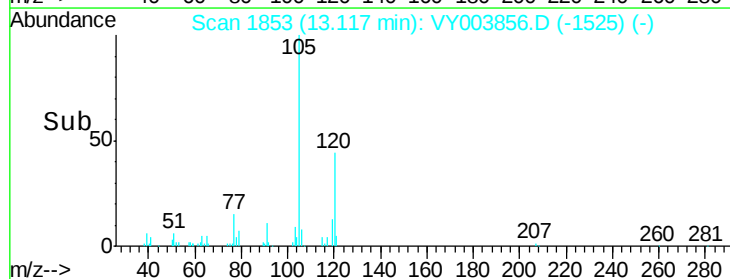
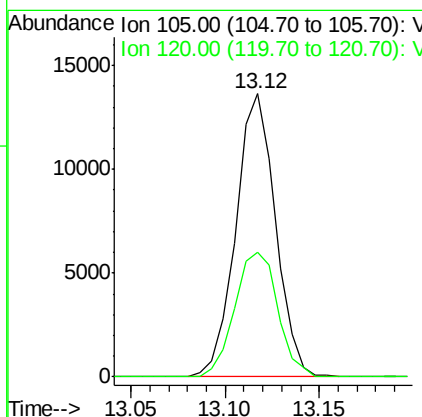
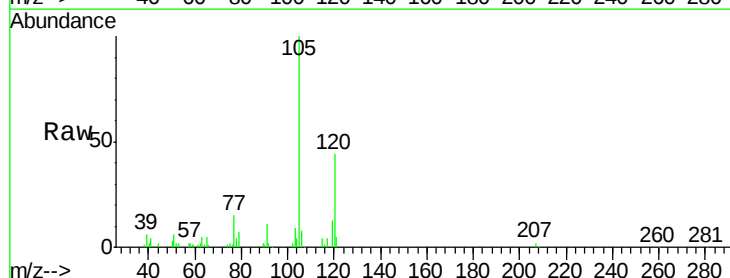
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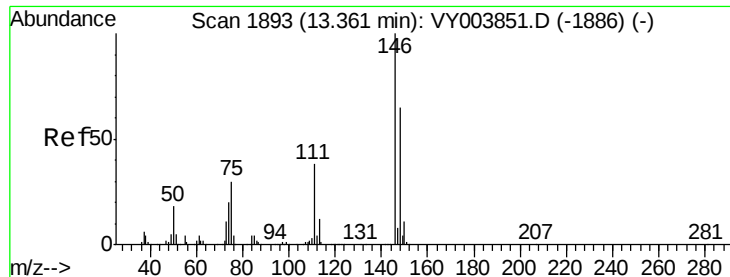
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#63
 1,2,4-Trimethylbenzene
 Concen: 1.050 ug/L
 RT: 13.12 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	36.5	54.7





#64

1,3-Dichlorobenzene

Concen: 1.181 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Instrument :

MSVOA_Y

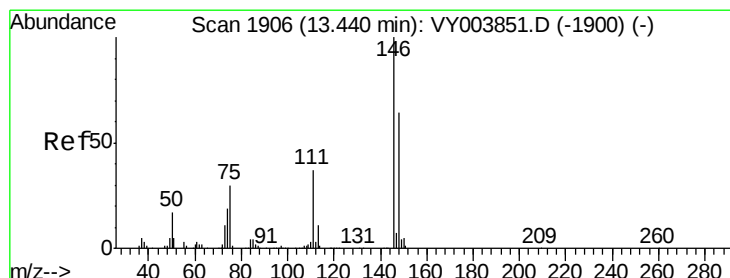
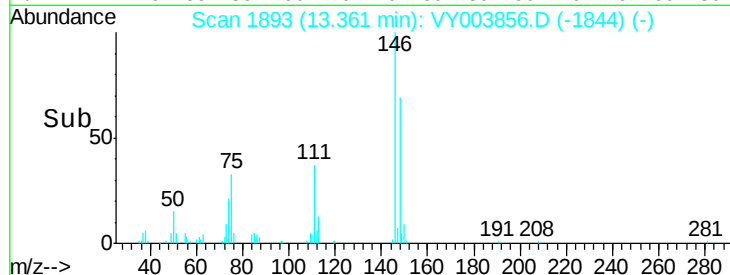
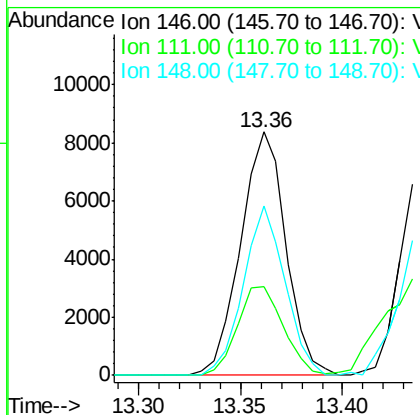
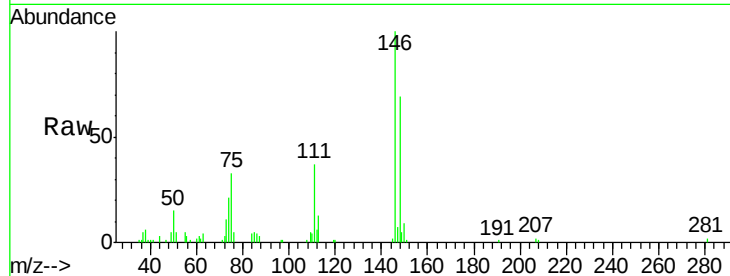
ClientSampleId :

MDL-SOIL-02

Tot Ion:	146	Resp:	12882
Ion Ratio	Lower	Upper	
146	100		
111	36.6	27.7	51.5
148	69.3	45.4	84.4

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#65

1,4-Dichlorobenzene

Concen: 1.223 ug/L

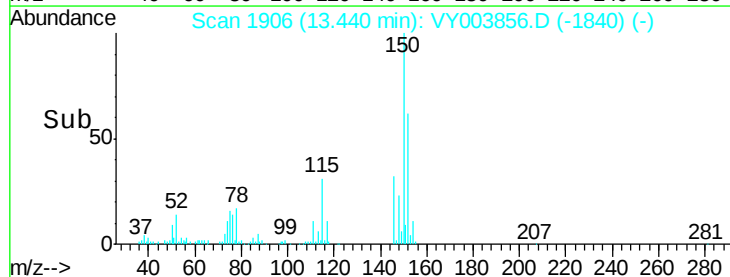
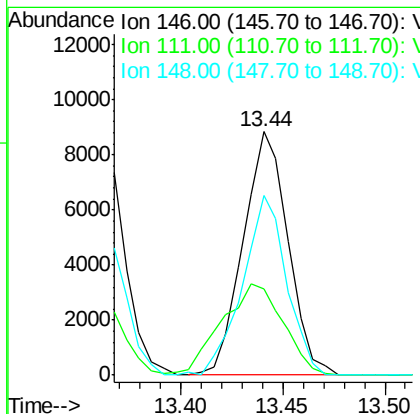
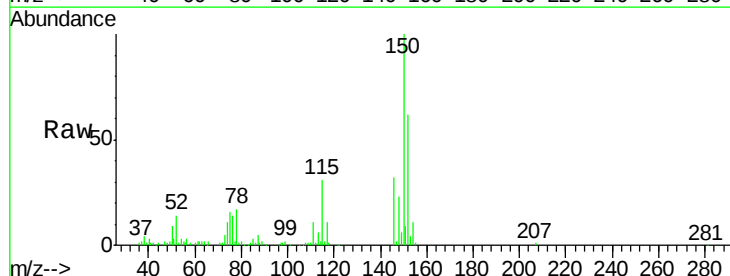
RT: 13.44 min Scan# 1906

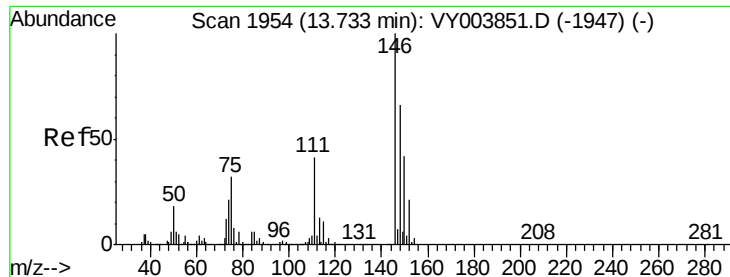
Delta R.T. -0.00 min

Lab File: VY003856.D

Acq: 29 Dec 2020 17:06

Tgt Ion:	146	Resp:	13502
Ion Ratio	Lower	Upper	
146	100		
111	35.2	25.7	47.7
148	73.5	44.4	82.4





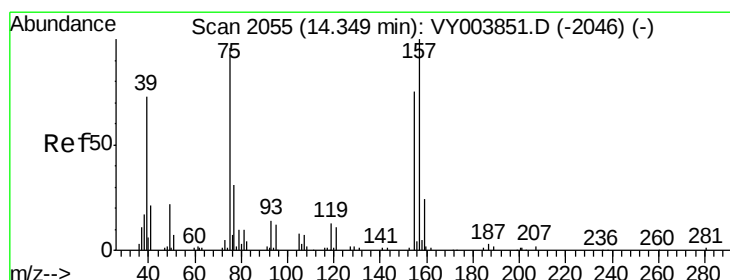
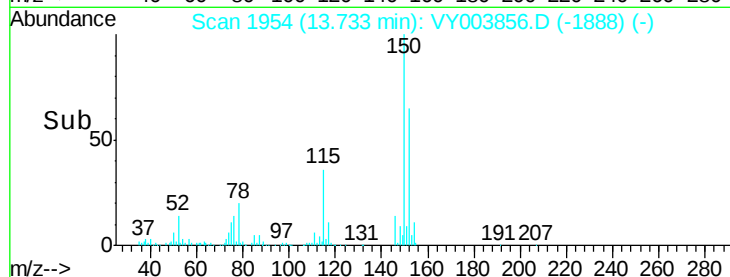
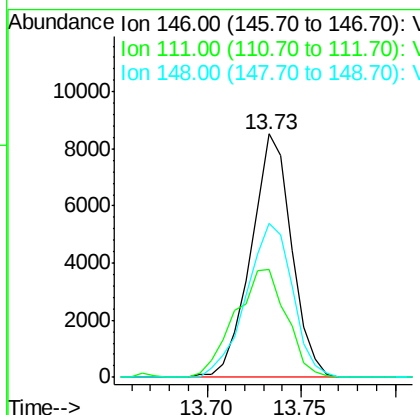
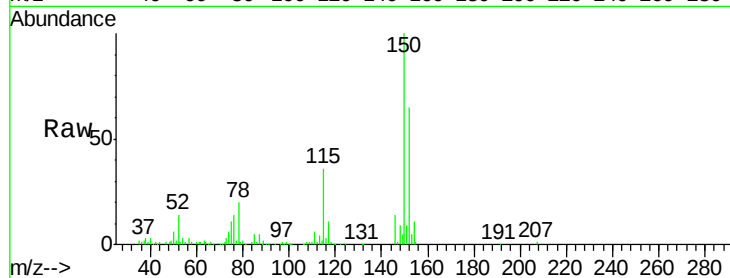
#67
 1,2-Dichlorobenzene
 Concen: 1.247 ug/L
 RT: 13.73 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	31.3	46.9
148	63.0	51.0	76.4

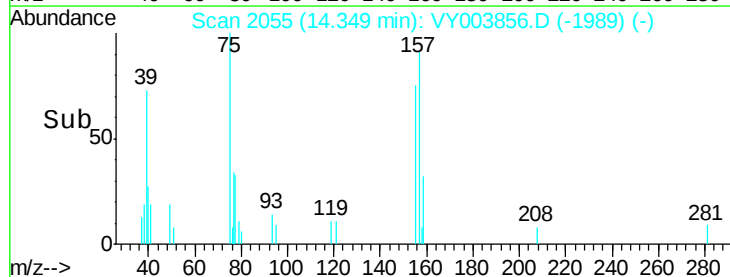
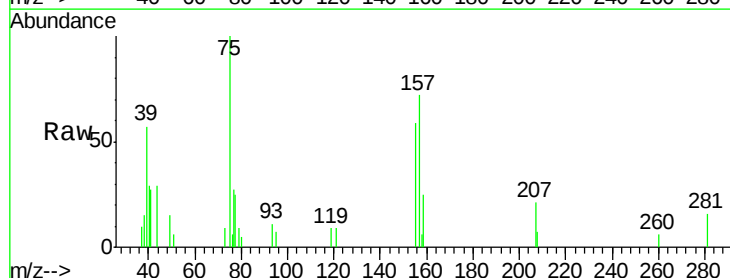
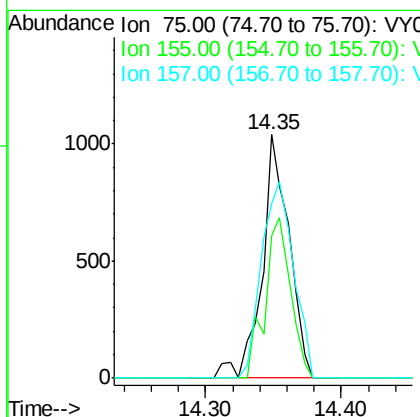
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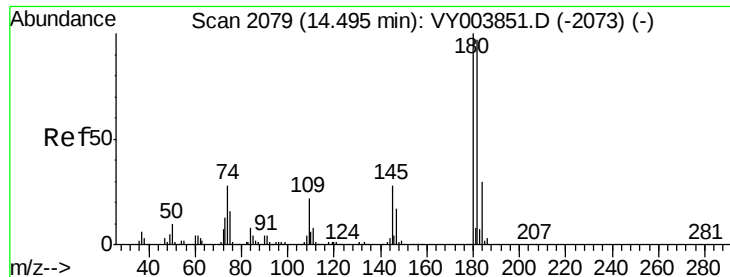
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.398 ug/L
 RT: 14.35 min Scan# 2055
 Delta R.T. -0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	58.7	68.2	102.4#
157	71.6	90.2	135.4#





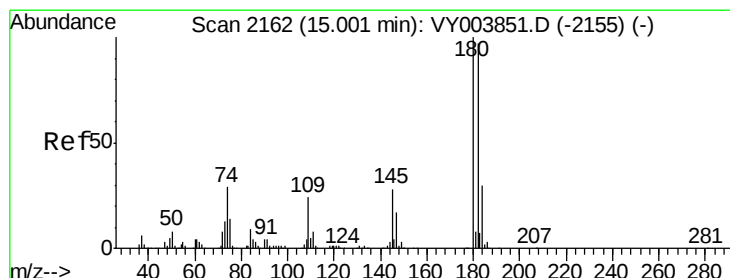
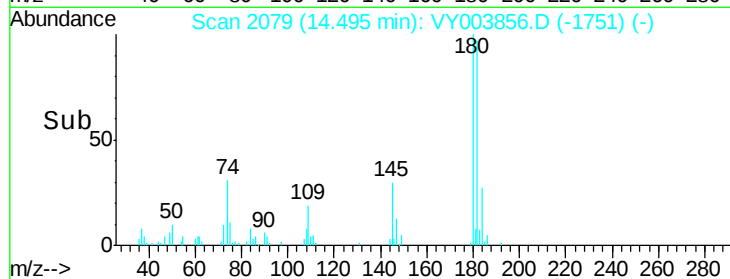
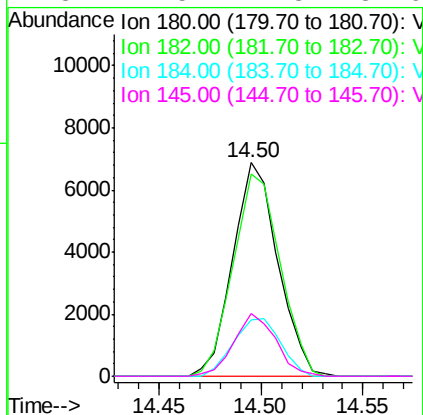
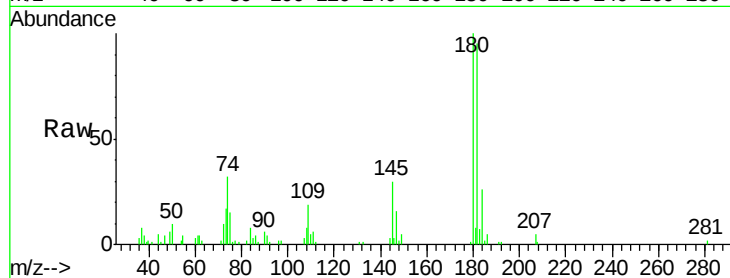
#69
 1,3,5-Trichlorobenzene
 Concen: 1.242 ug/L
 RT: 14.50 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-02

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

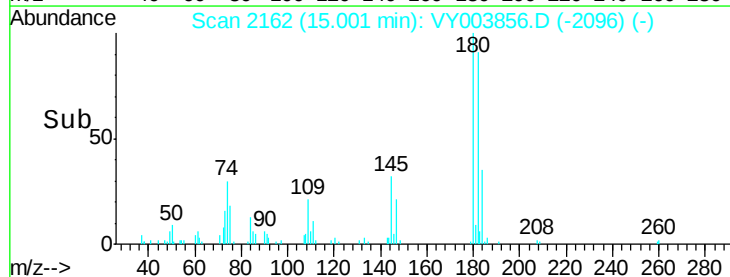
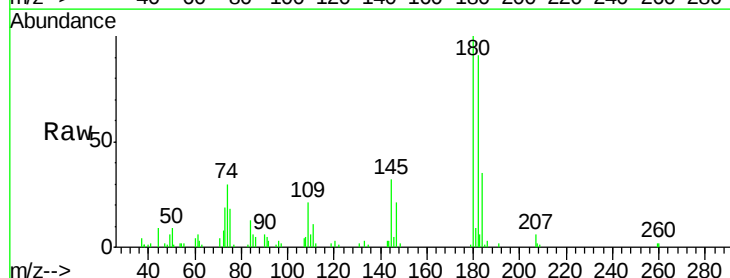
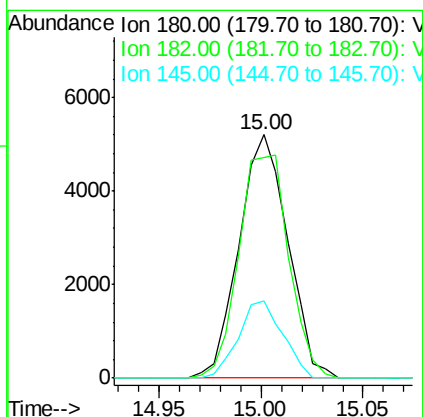
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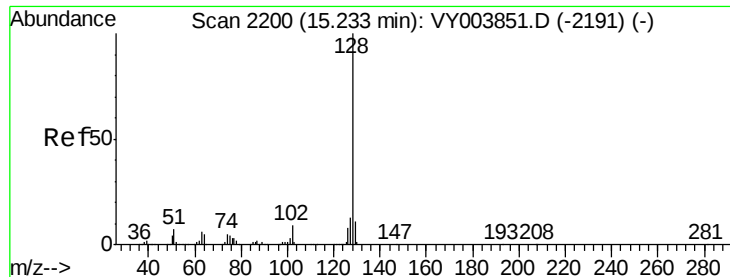
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#70
 1,2,4-trichlorobenzene
 Concen: 1.200 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: VY003856.D
 Acq: 29 Dec 2020 17:06

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





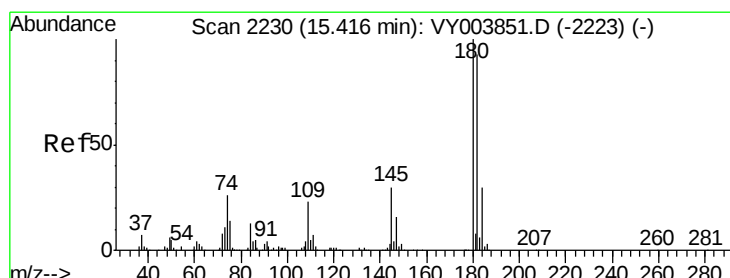
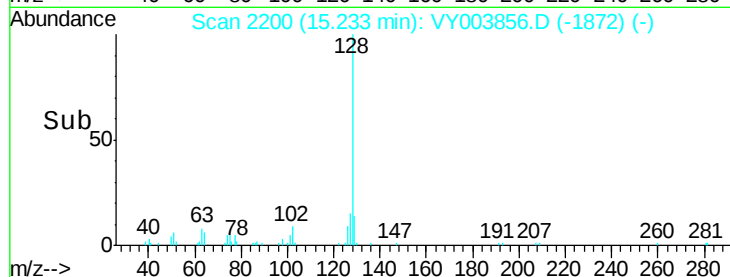
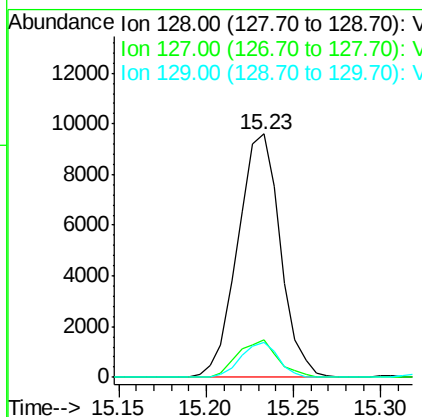
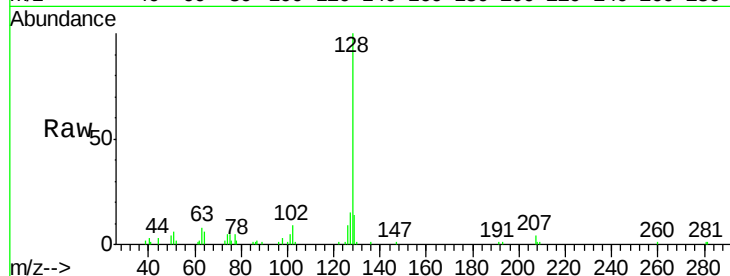
#71
Naphthalene
Concen: 1.087 ug/L
RT: 15.23 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-02

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.7	16.1
129	12.6	8.9	13.3

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#72
1,2,3-Trichlorobenzene
Concen: 1.295 ug/L
RT: 15.42 min Scan# 2230
Delta R.T. 0.00 min
Lab File: VY003856.D
Acq: 29 Dec 2020 17:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	74.6	111.8
145	28.5	23.3	34.9

