

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
 Data File : VY003122.D
 Acq On : 07 Jul 2020 13:28
 Operator : SY/MD
 Sample : L3216-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:20:41 PM

Quant Time: Jul 08 04:46:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 04:37:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	405204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	598786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	540224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	296803	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	194956	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
35) Dibromofluoromethane	7.72	113	188348	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.18	98	701036	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.48	95	252101	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	14698	4.790	ug/l	94
3) Chloromethane	2.11	50	22401	4.985	ug/l	95
4) Vinyl Chloride	2.26	62	20093	4.584	ug/l	95
5) Bromomethane	2.66	94	16148	5.426	ug/l	99
6) Chloroethane	2.80	64	13825	4.958	ug/l	96
7) Trichlorofluoromethane	3.13	101	29276	4.732	ug/l	96
8) Diethyl Ether	3.54	74	9678	4.563	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	18832	5.098	ug/l	99
10) Methyl Iodide	4.10	142	21134	4.614	ug/l	99
11) Tert butyl alcohol	4.97	59	10506	25.615	ug/l #	91
12) 1,1-Dichloroethene	3.89	96	16751	4.766	ug/l #	72
13) Acrolein	3.74	56	6451	17.512	ug/l	98
14) Allyl chloride	4.49	41	24419	3.979	ug/l	94
15) Acrylonitrile	5.18	53	23495	21.494	ug/l	98
16) Acetone	3.96	43	20123	21.201	ug/l	100
17) Carbon Disulfide	4.20	76	49320	4.392	ug/l	100
18) Methyl Acetate	4.48	43	14404	5.633	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	46941	4.582	ug/l	98
20) Methylene Chloride	4.73	84	33569	6.337	ug/l	89
21) trans-1,2-Dichloroethene	5.22	96	19344	4.865	ug/l	92
22) Diisopropyl ether	6.13	45	51892	3.945	ug/l #	95
23) Vinyl Acetate	6.07	43	157562	17.918	ug/l	98
24) 1,1-Dichloroethane	6.02	63	32727	4.555	ug/l	96
25) 2-Butanone	6.99	43	30953	20.529	ug/l	94
26) 2,2-Dichloropropane	6.99	77	29042	4.449	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	21487	4.818	ug/l	90
28) Bromochloromethane	7.35	49	13512	4.227	ug/l	84
29) Tetrahydrofuran	7.36	42	19589	19.537	ug/l	93
30) Chloroform	7.51	83	32983	4.634	ug/l	97
31) Cyclohexane	7.79	56	35801	5.058	ug/l #	77
32) 1,1,1-Trichloroethane	7.71	97	28443	4.378	ug/l	93
36) 1,1-Dichloropropene	7.92	75	25596	4.438	ug/l	97
37) Ethyl Acetate	7.08	43	13899	4.008	ug/l #	96
38) Carbon Tetrachloride	7.91	117	25643	4.273	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	32617	4.561	ug/l	96
40) Benzene	8.16	78	72839	4.613	ug/l	98
41) Methacrylonitrile	7.32	41	6835	3.690	ug/l #	47
42) 1,2-Dichloroethane	8.24	62	22726	4.549	ug/l	98
43) Isopropyl Acetate	8.28	43	25887	3.927	ug/l	93
44) Trichloroethene	8.94	130	21244	4.629	ug/l	97
45) 1,2-Dichloropropane	9.22	63	17956	4.227	ug/l	99
46) Dibromomethane	9.31	93	10651	4.489	ug/l	96
47) Bromodichloromethane	9.50	83	25671	4.419	ug/l	96
48) Methyl methacrylate	9.30	41	11151	3.716	ug/l	90
49) 1,4-Dioxane	9.30	88	2450	84.589	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	66754	19.591	ug/l	97
52) Toluene	10.24	92	46996	4.728	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	25732	4.224	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	29939	4.298	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	15258	4.628	ug/l	99
56) Ethyl methacrylate	10.51	69	18994	3.980	ug/l	96
57) 1,3-Dichloropropane	10.79	76	25214	4.356	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	52382	21.400	ug/l	97
59) 2-Hexanone	10.83	43	46284	19.433	ug/l	100
60) Dibromochloromethane	10.99	129	19174	4.544	ug/l	96
61) 1,2-Dibromoethane	11.09	107	14408	4.433	ug/l	100
64) Tetrachloroethene	10.72	164	23903	5.228	ug/l	94
65) Chlorobenzene	11.52	112	50952	4.783	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	18389	4.422	ug/l	95
67) Ethyl Benzene	11.59	91	86047	4.415	ug/l	99
68) m/p-Xylenes	11.70	106	66042	9.106	ug/l	98
69) o-Xylene	12.03	106	30778	4.503	ug/l	100
70) Styrene	12.04	104	52247	4.475	ug/l	97
71) Bromoform	12.20	173	12694	4.578	ug/l #	97
73) Isopropylbenzene	12.33	105	84386	4.344	ug/l	99
74) N-amyl acetate	12.14	43	22167	3.505	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	17077	4.356	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	13272m	4.518	ug/l	
77) Bromobenzene	12.61	156	22868	4.592	ug/l	94
78) n-propylbenzene	12.67	91	101743	4.355	ug/l	97
79) 2-Chlorotoluene	12.75	91	57554	4.414	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	72664	4.458	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	5960	3.948	ug/l	94
82) 4-Chlorotoluene	12.86	91	60679	4.470	ug/l	99
83) tert-Butylbenzene	13.07	119	63709	4.451	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	71594	4.359	ug/l	98
85) sec-Butylbenzene	13.25	105	88241	4.473	ug/l	100
86) p-Isopropyltoluene	13.37	119	79887	4.370	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	42649	4.587	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	43326	4.725	ug/l	93
89) n-Butylbenzene	13.69	91	77141	4.411	ug/l	99
90) Hexachloroethane	13.96	117	14596	4.021	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	38280	4.589	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3147	4.535	ug/l	94

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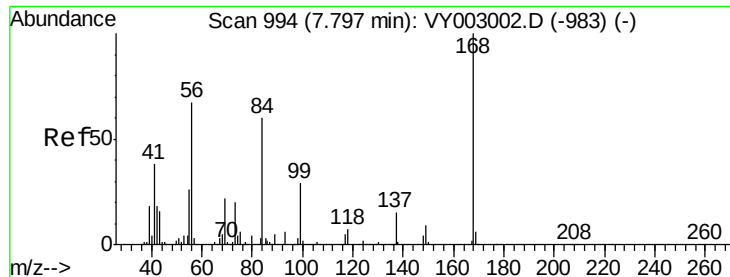
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	30606	4.937	ug/l	96
94) Hexachlorobutadiene	15.11	225	19410	4.964	ug/l	96
95) Naphthalene	15.23	128	51608	4.558	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	24947	4.635	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:168 Resp: 405204

Ion Ratio Lower Upper

168 100

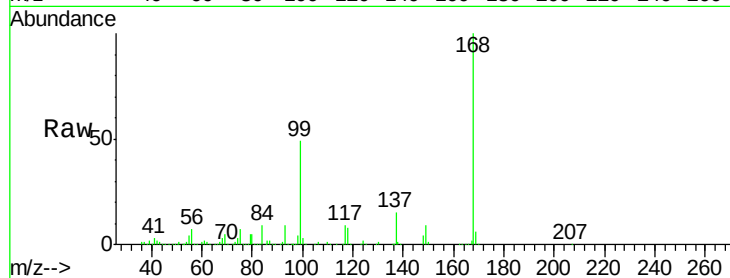
99 49.0 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY003122.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003122.D (-945) (-)

7.80

200000

150000

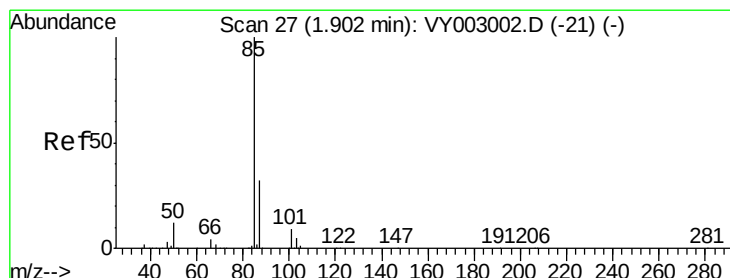
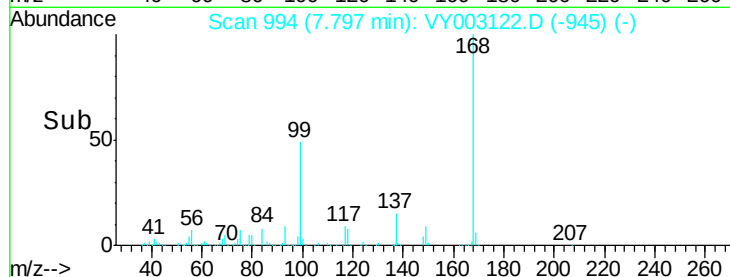
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 4.790 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003122.D

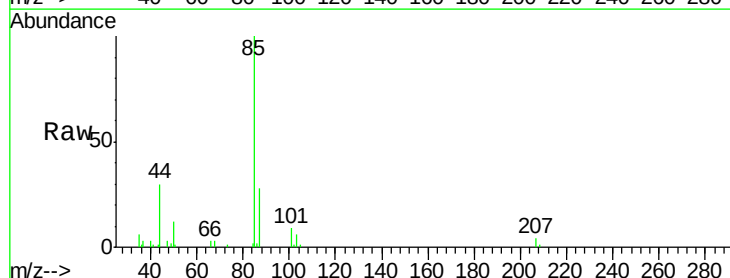
Acq: 07 Jul 2020 13:28

Tgt Ion: 85 Resp: 14698

Ion Ratio Lower Upper

85 100

87 28.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY003122.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003122.D (-1) (-)

1.91

12000

10000

8000

6000

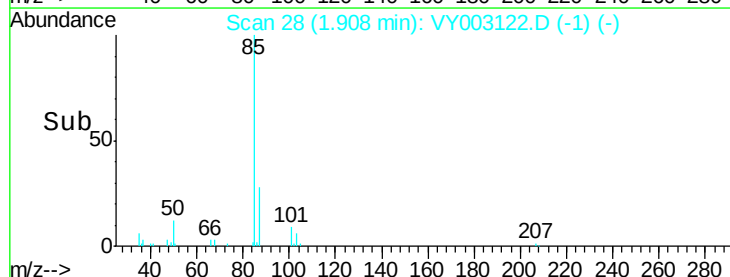
4000

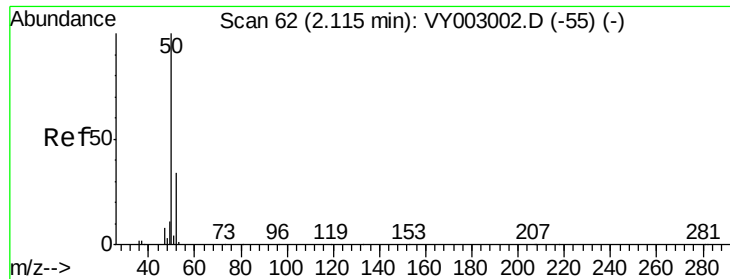
2000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 4.985 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 50 Resp: 22401

Ion Ratio Lower Upper

50 100

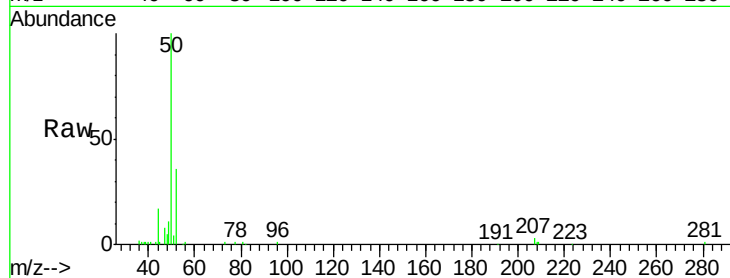
52 36.5 26.9 40.3

Manual Integrations

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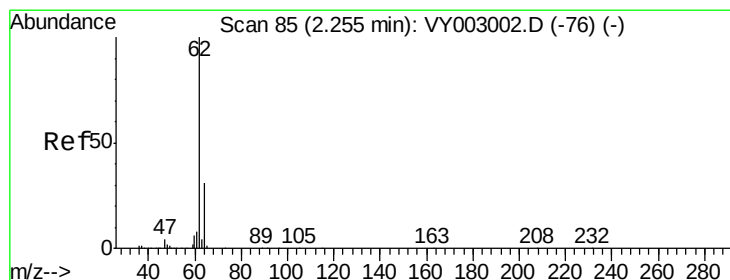
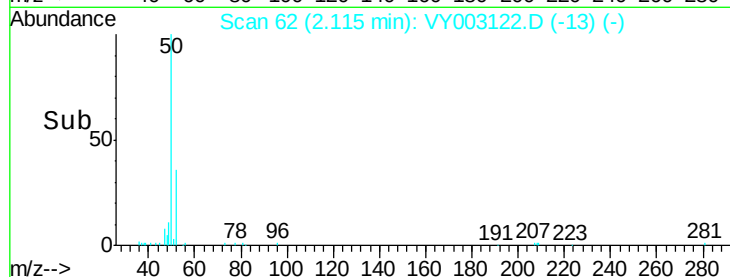
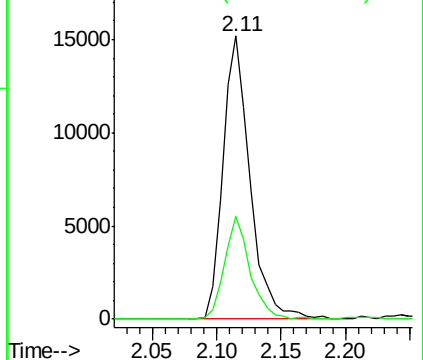
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 4.584 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003122.D

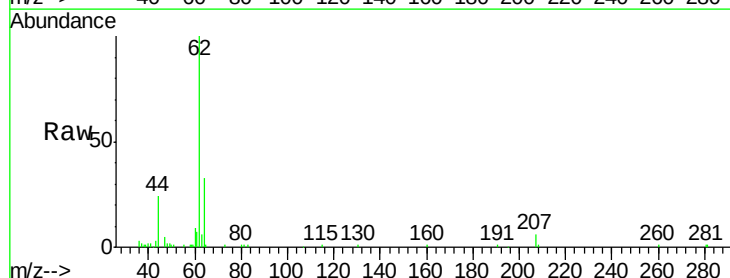
Acq: 07 Jul 2020 13:28

Tgt Ion: 62 Resp: 20093

Ion Ratio Lower Upper

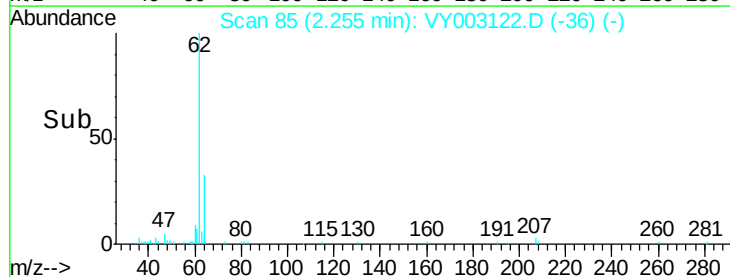
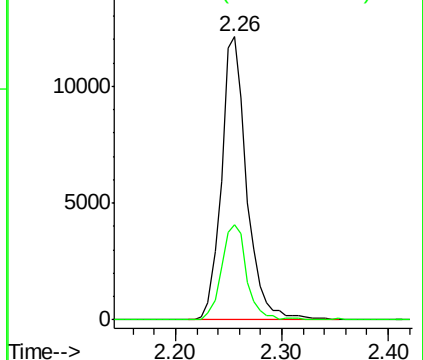
62 100

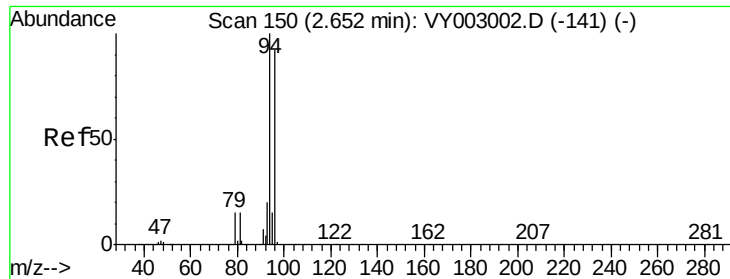
64 33.4 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 5.426 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 94 Resp: 16148

Ion Ratio Lower Upper

94 100

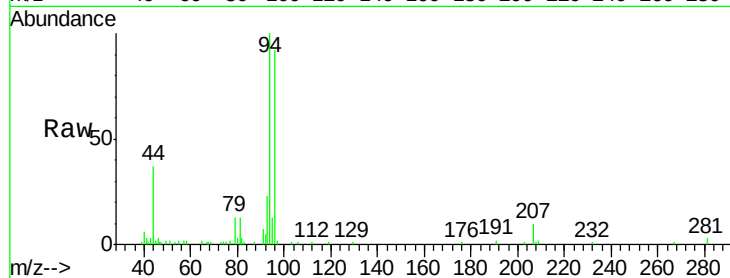
96 90.7 73.4 110.2

Manual Integrations

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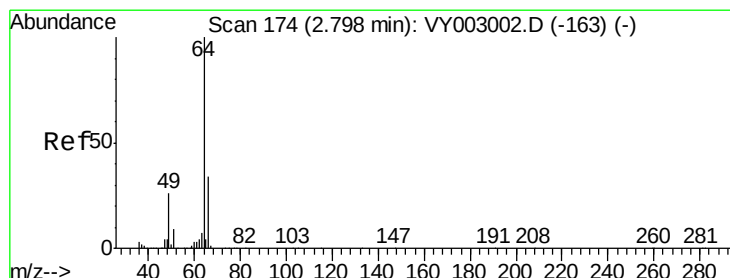
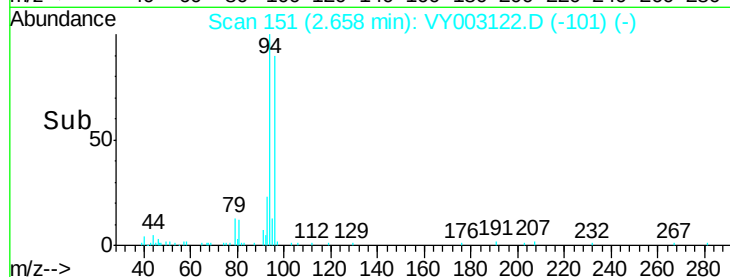
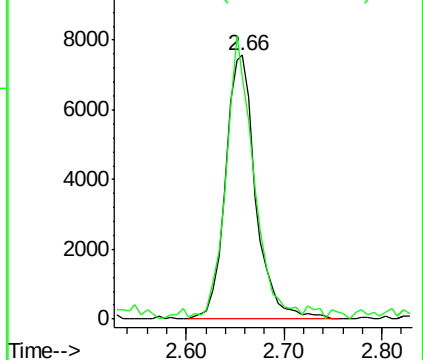
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 4.958 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY003122.D

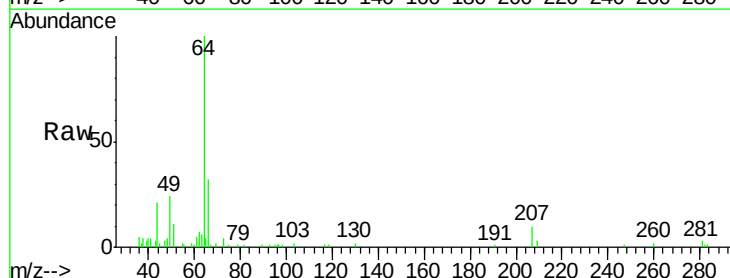
Acq: 07 Jul 2020 13:28

Tgt Ion: 64 Resp: 13825

Ion Ratio Lower Upper

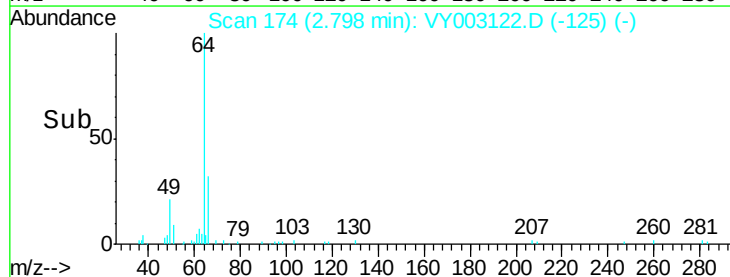
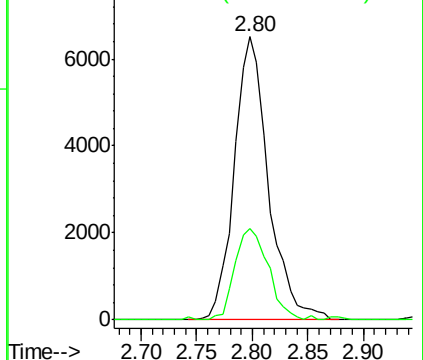
64 100

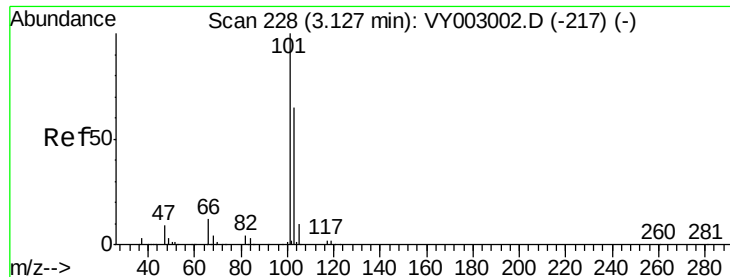
66 31.1 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

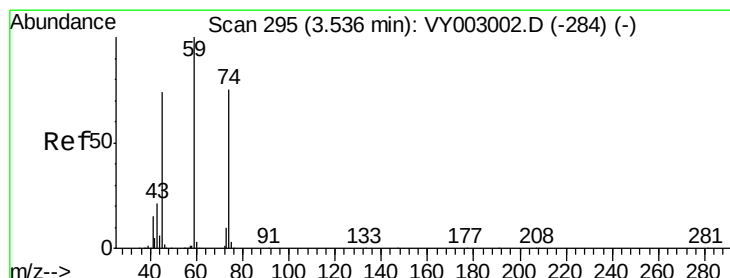
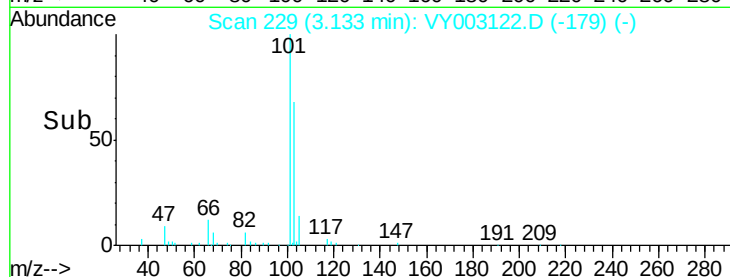
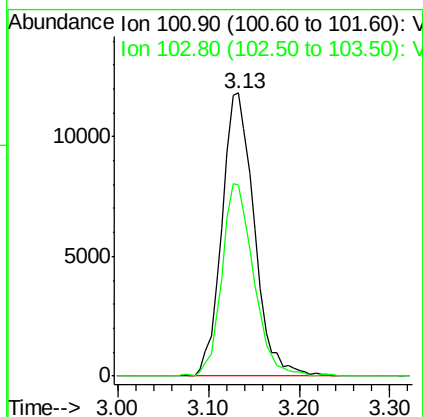
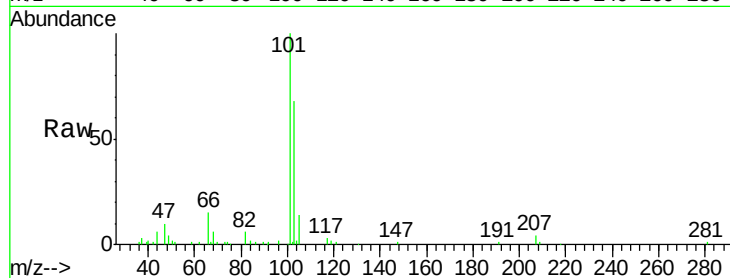
Trichlorofluoromethane
Concen: 4.732 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.7	51.6	77.4

Manual Integrations
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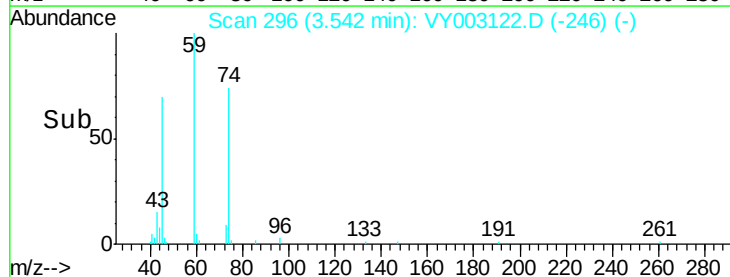
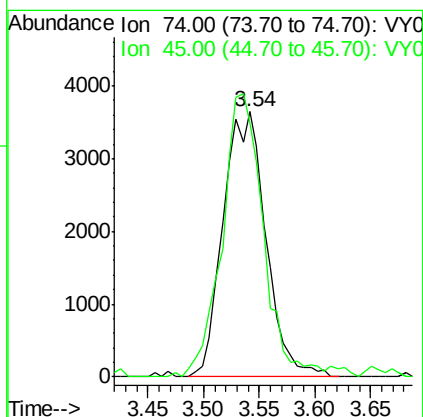
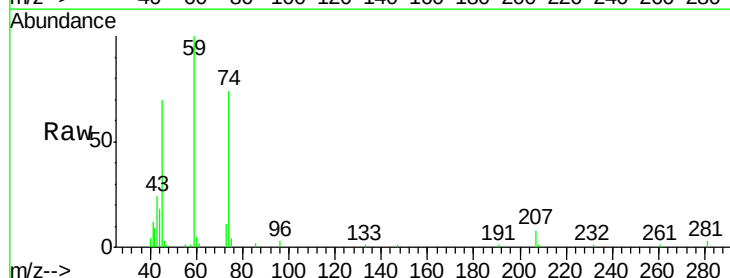
MMDadoda
7/8/2020 12:20:41 PM

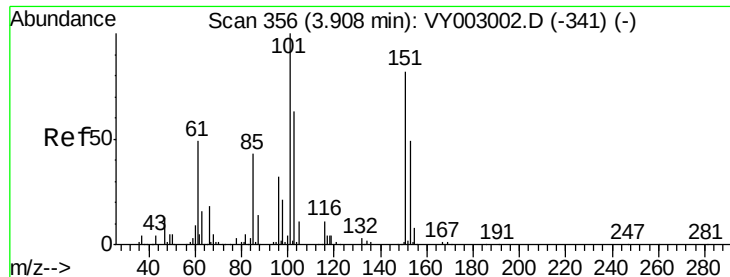


#8

Diethyl Ether
Concen: 4.563 ug/l
RT: 3.54 min Scan# 296
Delta R.T. 0.01 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.0	49.3	147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.098 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

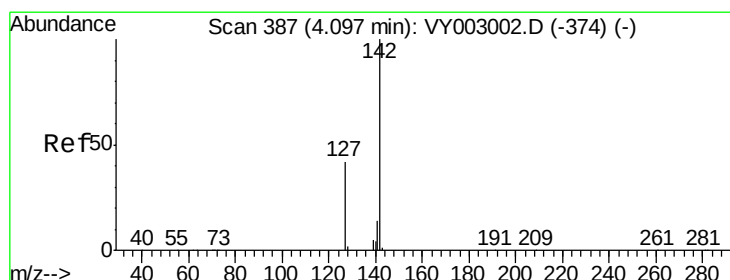
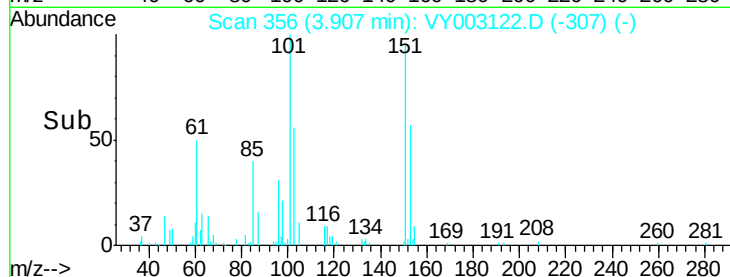
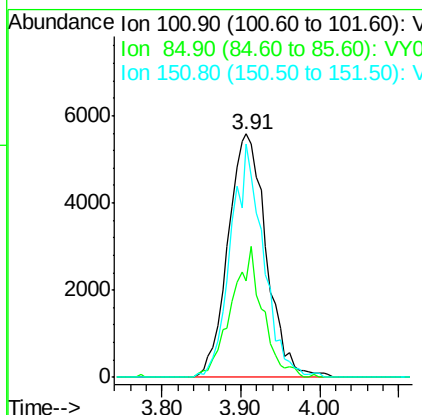
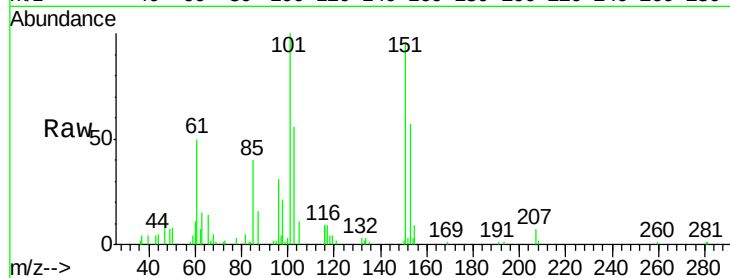
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	101	Resp:	18832
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.5	53.3
151	81.5	65.5	98.3

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 4.614 ug/l

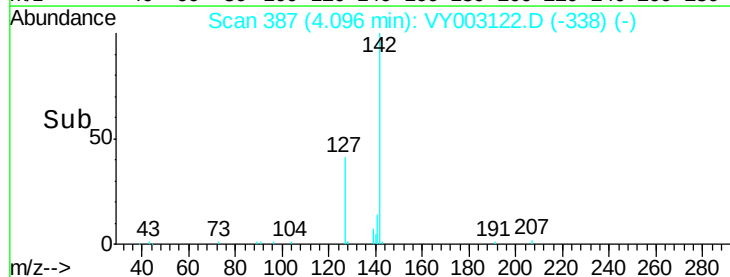
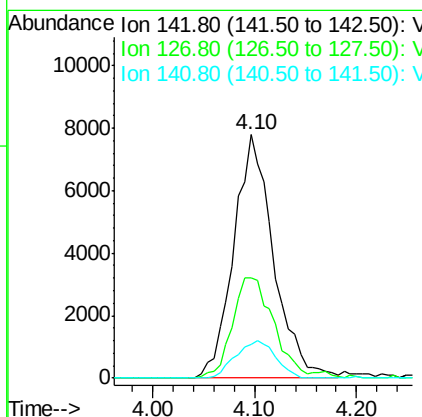
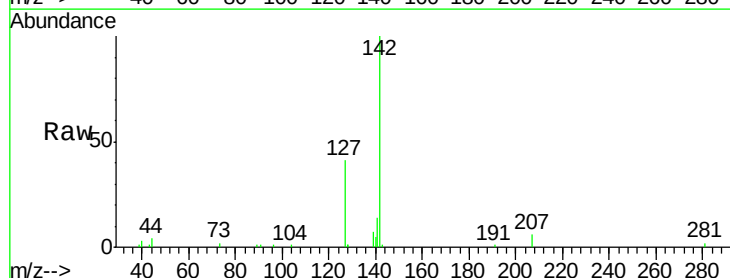
RT: 4.10 min Scan# 387

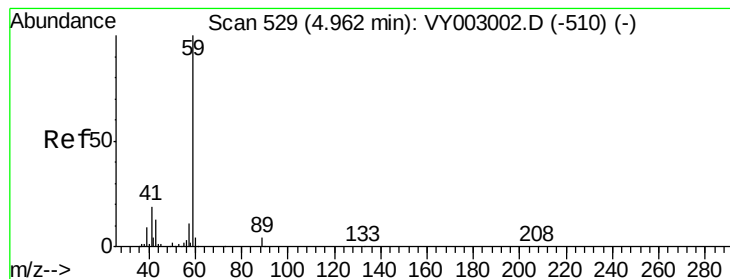
Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Tgt Ion:	142	Resp:	21134
Ion Ratio	Lower	Upper	
142	100		
127	42.2	34.2	51.2
141	15.2	11.7	17.5





#11

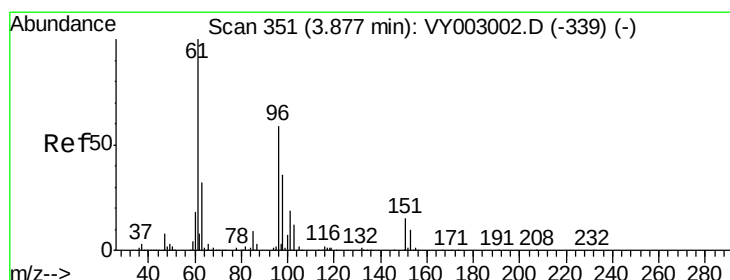
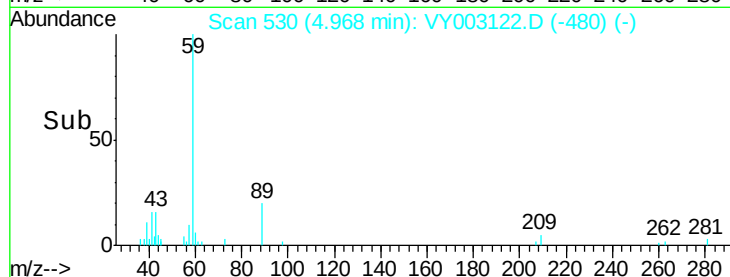
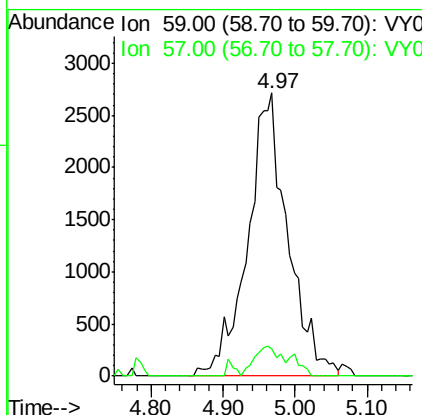
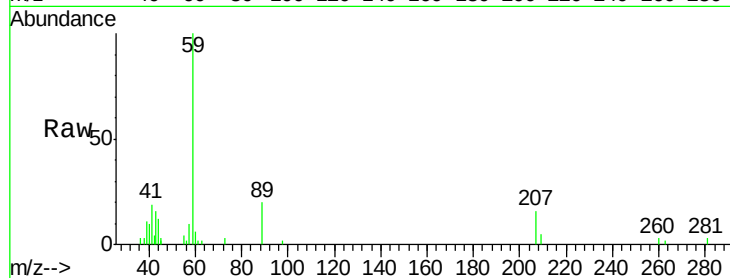
Tert butyl alcohol
 Concen: 25.615 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.8	8.0	12.0#

Manual Integrations
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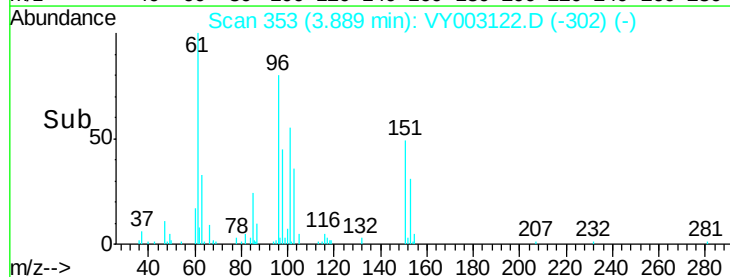
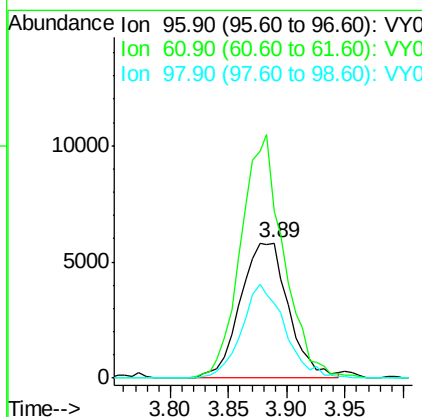
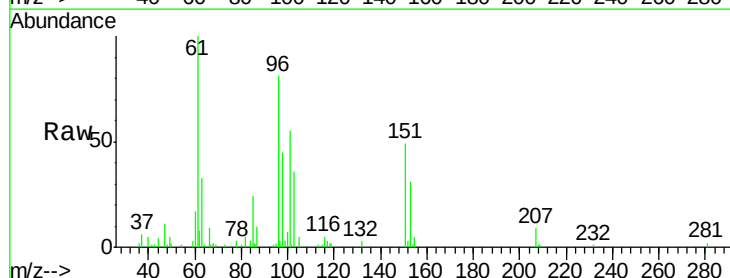
MMDadoda
 7/8/2020 12:20:41 PM

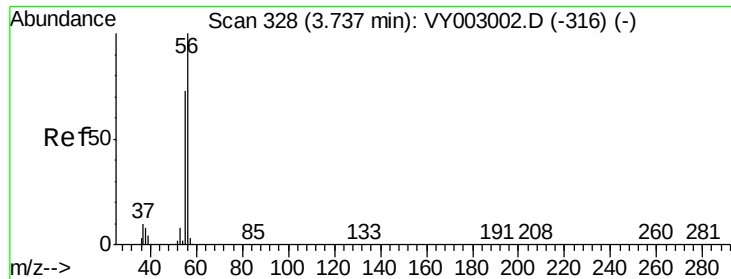


#12

1,1-Dichloroethene
 Concen: 4.766 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.3	136.7	205.1#
98	54.9	49.7	74.5





#13

Acrolein

Concen: 17.512 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 56 Resp: 6451

Ion Ratio Lower Upper

56 100

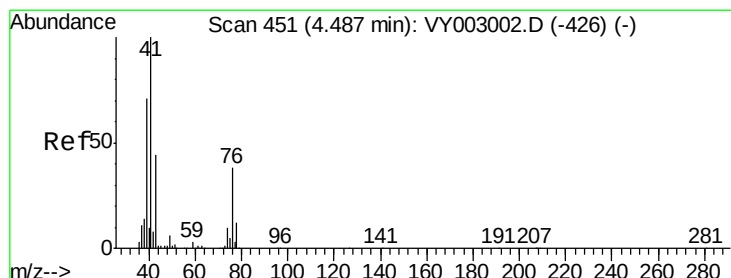
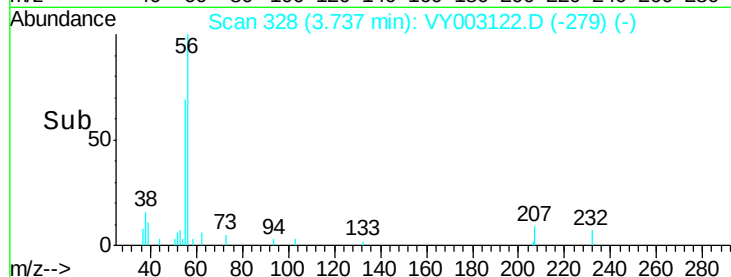
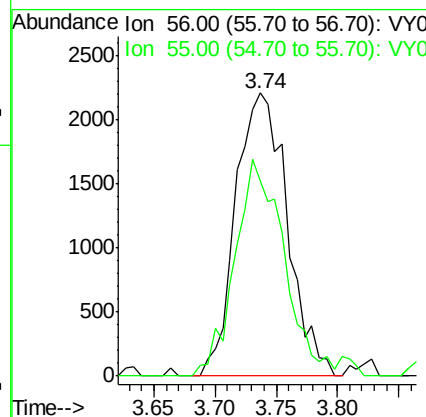
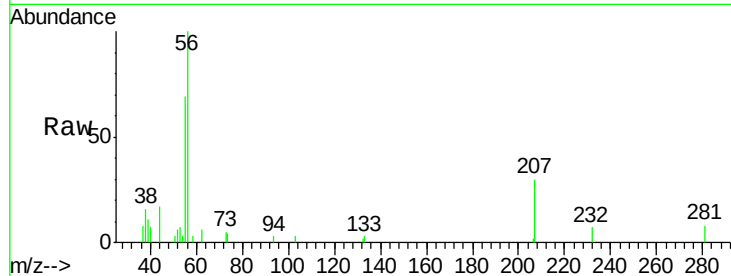
55 72.5 56.4 84.6

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 3.979 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

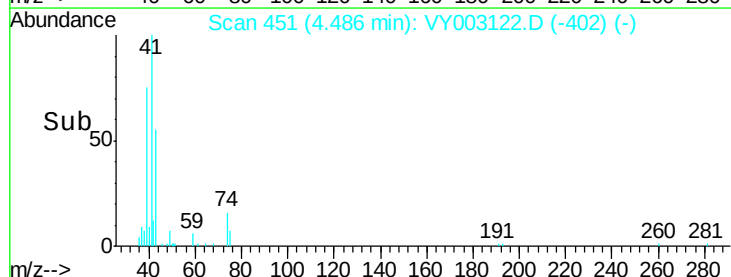
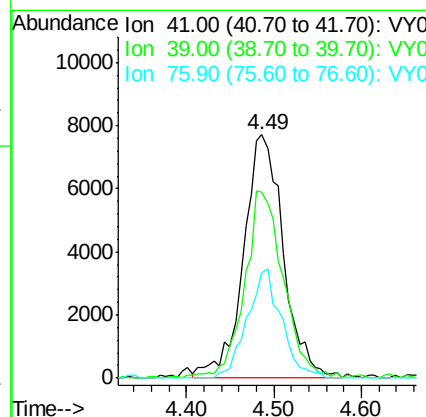
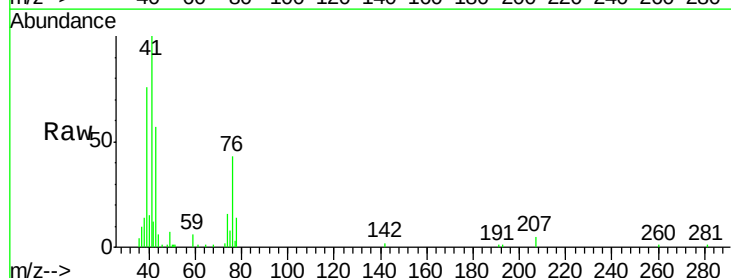
Tgt Ion: 41 Resp: 24419

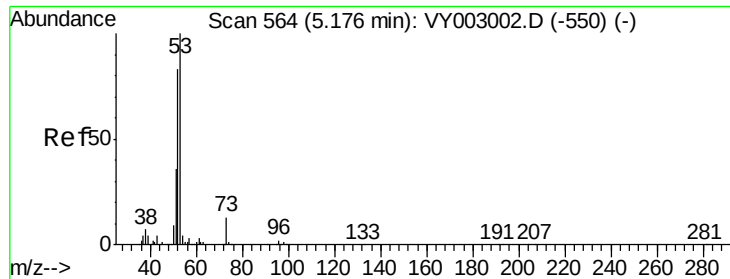
Ion Ratio Lower Upper

41 100

39 74.8 55.6 83.4

76 38.4 28.6 43.0





#15

Acrylonitrile

Concen: 21.494 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

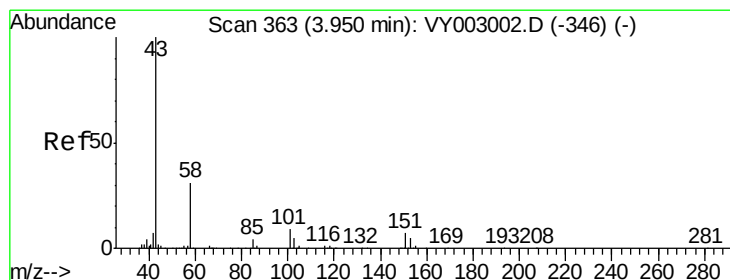
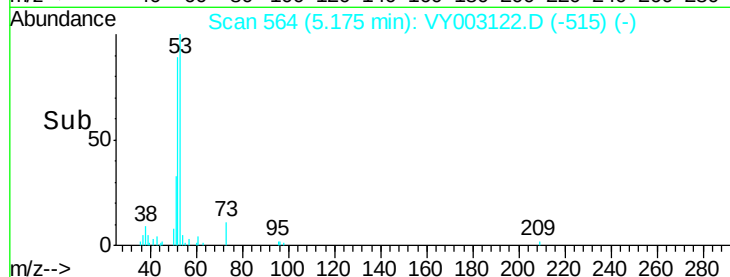
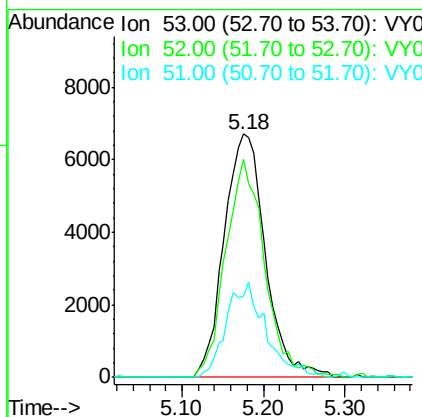
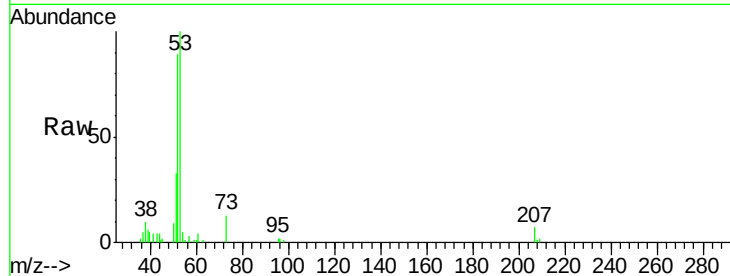
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	53	Resp:	23495
Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.2	99.2
51	37.5	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 21.201 ug/l

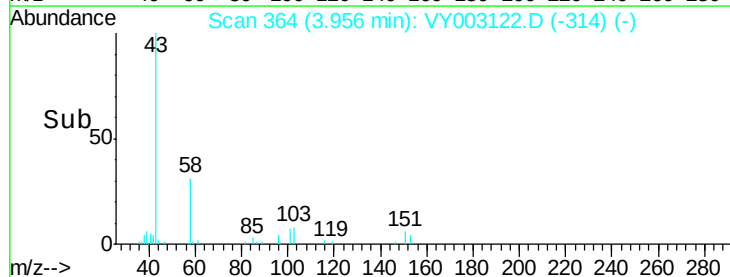
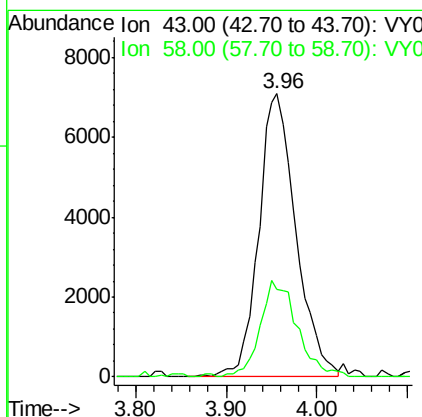
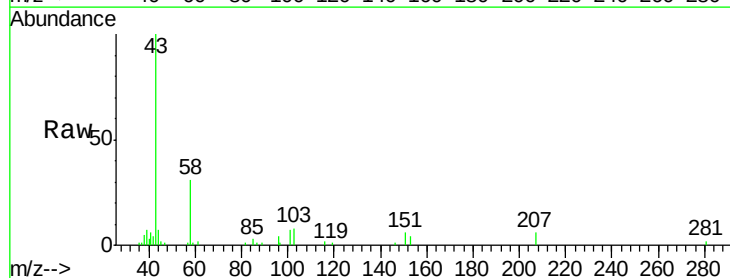
RT: 3.96 min Scan# 364

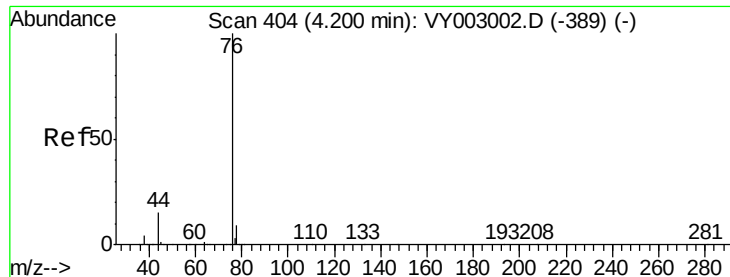
Delta R.T. 0.01 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Tgt Ion:	43	Resp:	20123
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.7	37.1





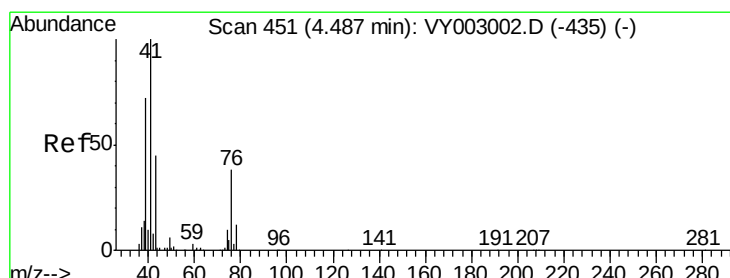
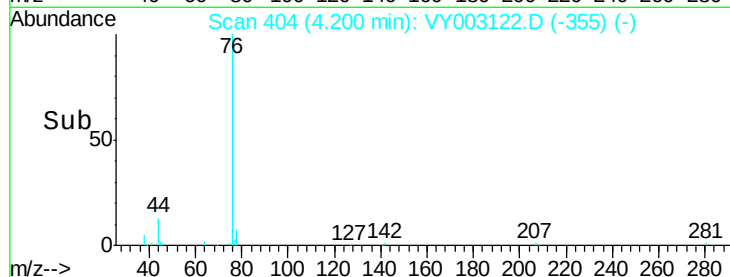
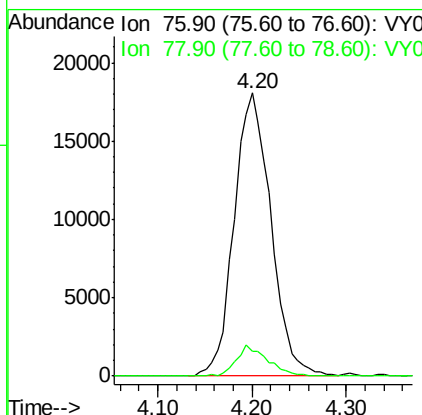
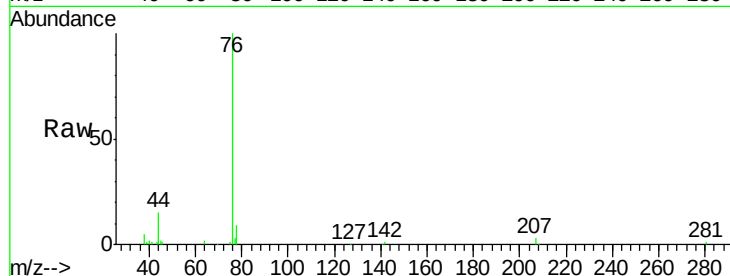
#17
Carbon Disulfide
Concen: 4.392 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

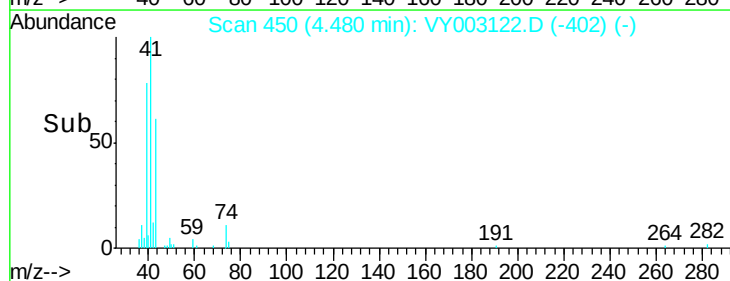
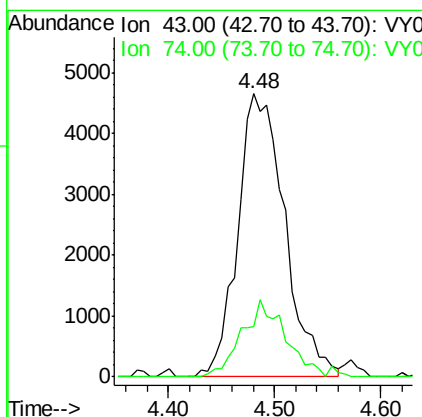
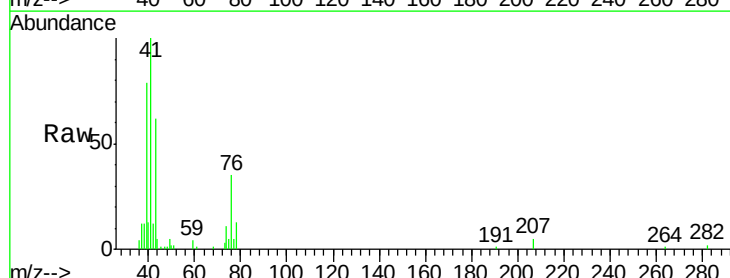
Manual Integrations
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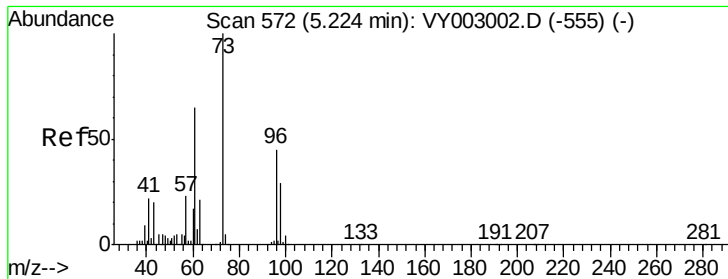
MMDadoda
7/8/2020 12:20:41 PM



#18
Methyl Acetate
Concen: 5.633 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	18.2	27.4





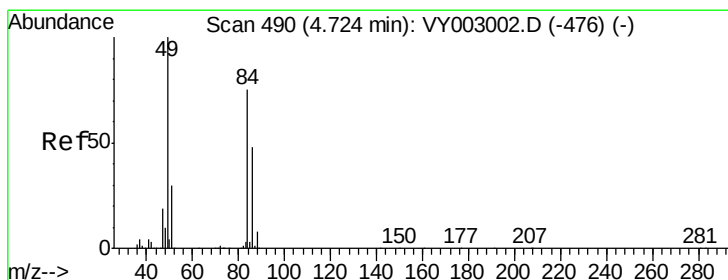
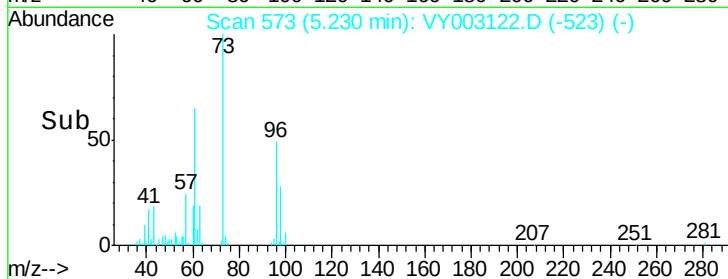
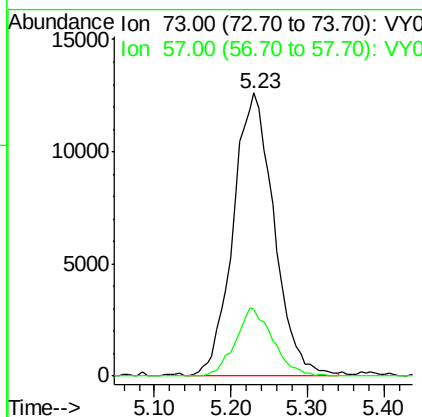
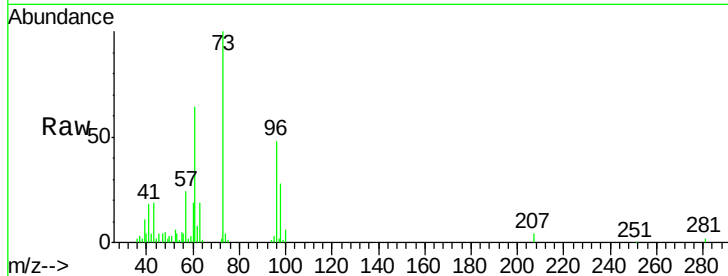
#19
Methyl tert-butyl Ether
Concen: 4.582 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 73 Resp: 46941
Ion Ratio Lower Upper
73 100
57 23.8 18.2 27.2

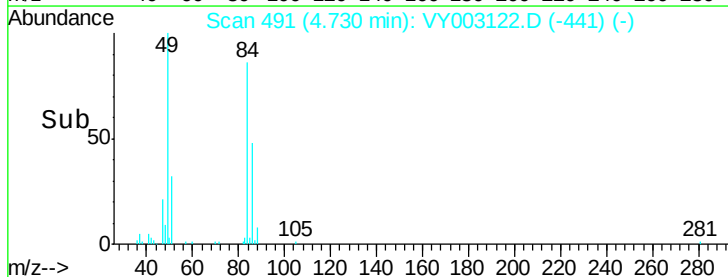
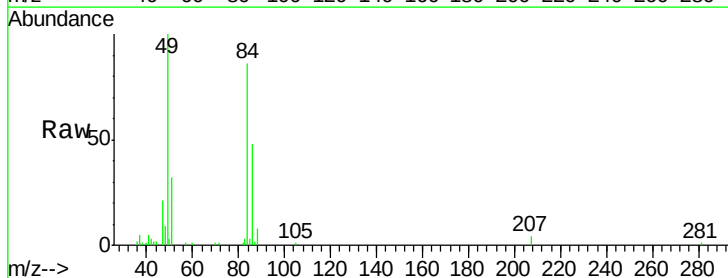
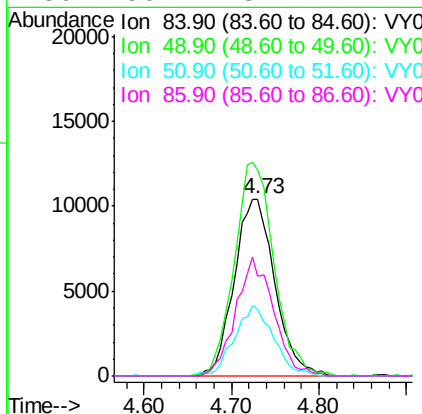
Manual Integrations
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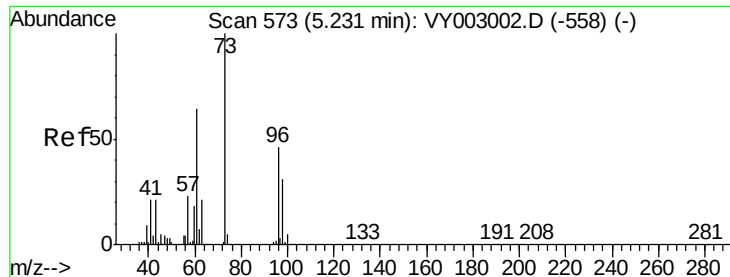
MMDadoda
7/8/2020 12:20:41 PM



#20
Methylene Chloride
Concen: 6.337 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion: 84 Resp: 33569
Ion Ratio Lower Upper
84 100
49 116.9 106.8 160.2
51 37.6 32.0 48.0
86 56.4 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 4.865 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

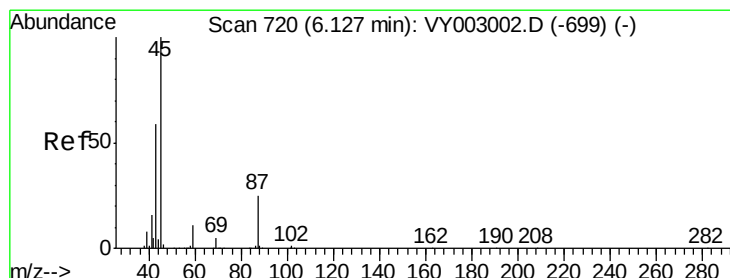
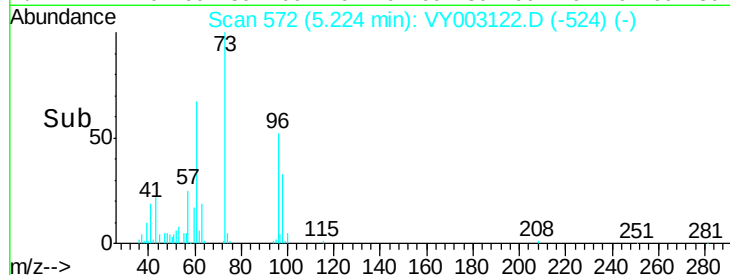
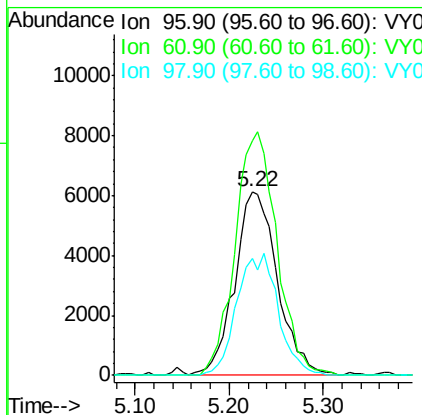
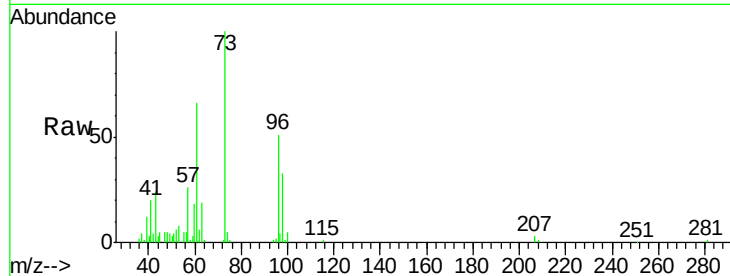
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	96	Resp:	19344
Ion	Ratio	Lower	Upper
96	100		
61	127.9	112.3	168.5
98	63.8	53.8	80.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 3.945 ug/l

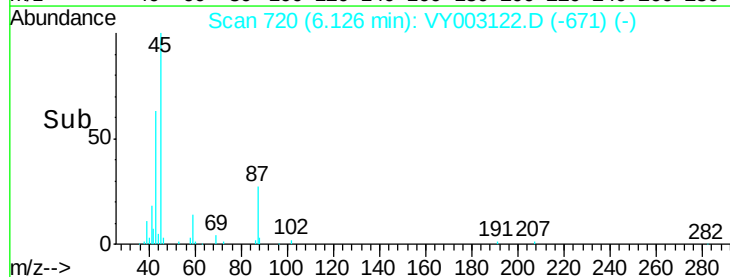
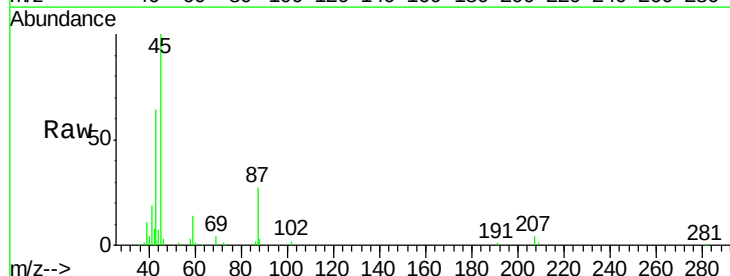
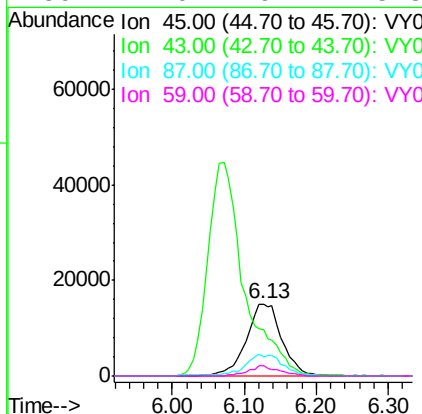
RT: 6.13 min Scan# 720

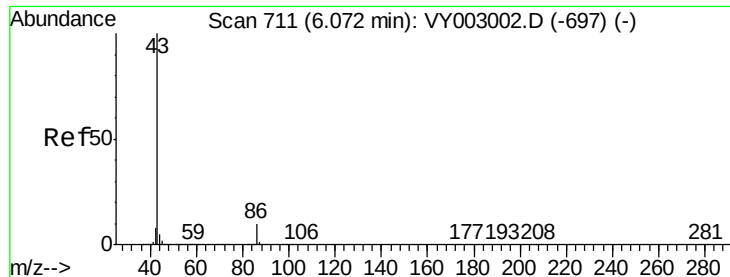
Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Tgt Ion:	45	Resp:	51892
Ion	Ratio	Lower	Upper
45	100		
43	62.5	47.4	71.2
87	27.4	20.2	30.2
59	14.0	9.2	13.8#





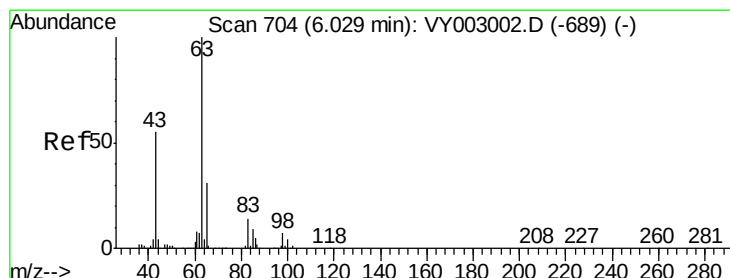
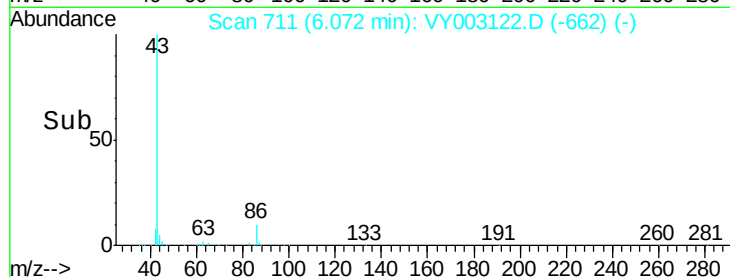
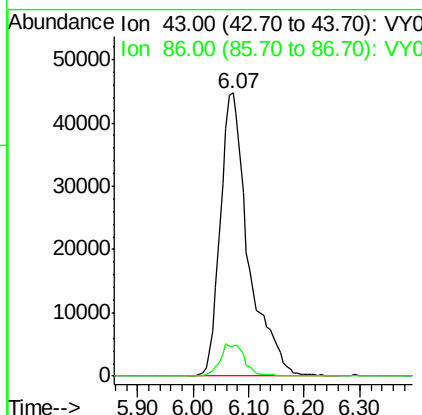
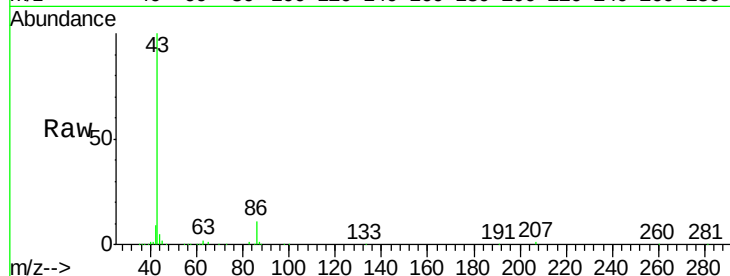
#23
 Vinyl Acetate
 Concen: 17.918 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	43	Resp	157562
Ion Ratio	100	Lower	Upper
43	100		
86	10.7	8.1	12.1

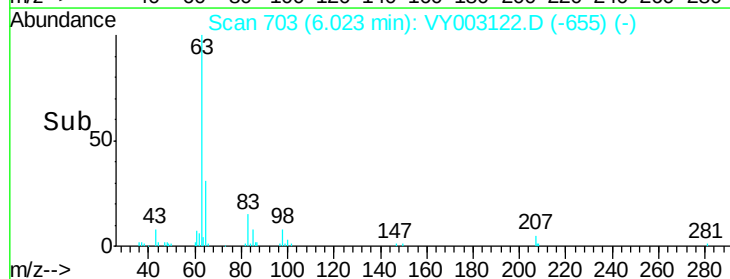
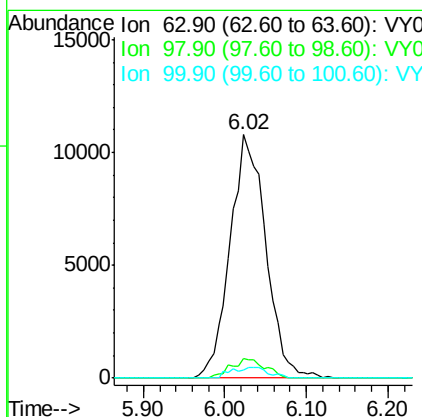
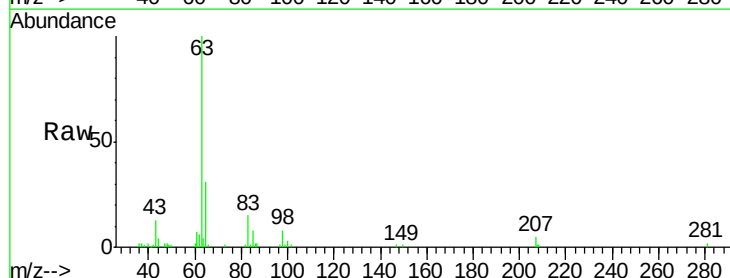
Manual Integrations
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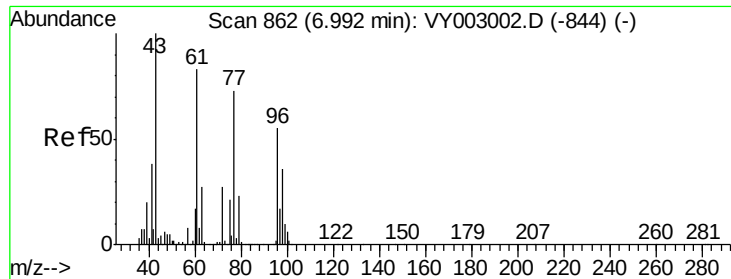
MMDadoda
 7/8/2020 12:20:41 PM



#24
 1,1-Dichloroethane
 Concen: 4.555 ug/l
 RT: 6.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Tgt Ion	63	Resp	32727
Ion Ratio	100	Lower	Upper
63	100		
98	7.9	3.4	10.1
100	3.2	2.3	6.8





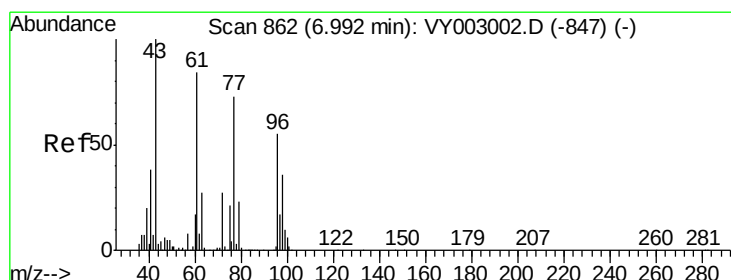
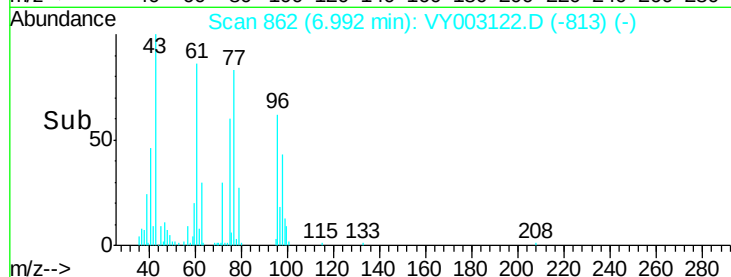
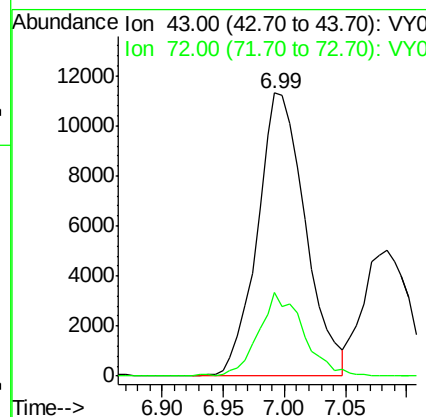
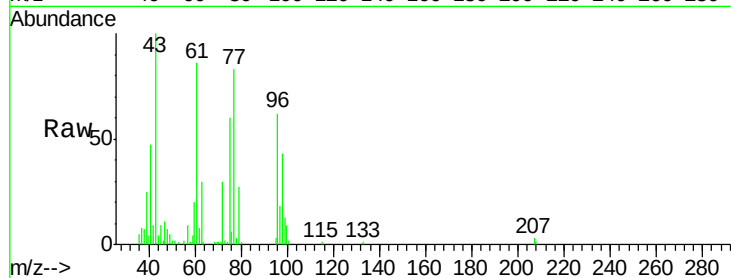
#25
2-Butanone
Concen: 20.529 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
72	29.8	21.4	32.0

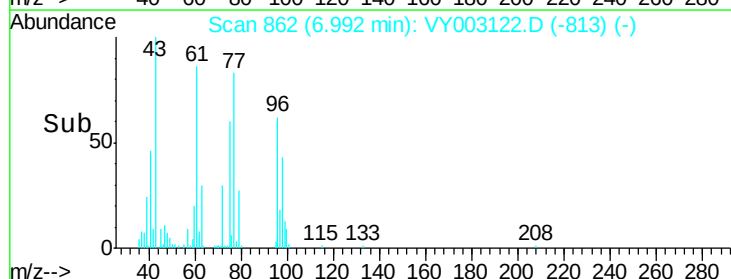
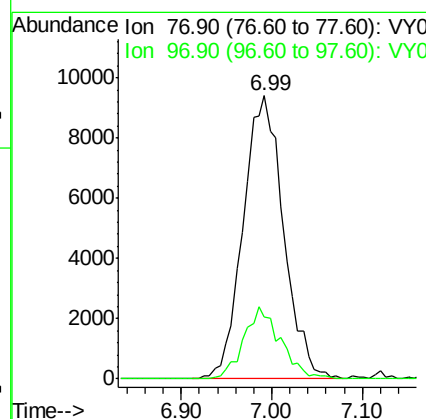
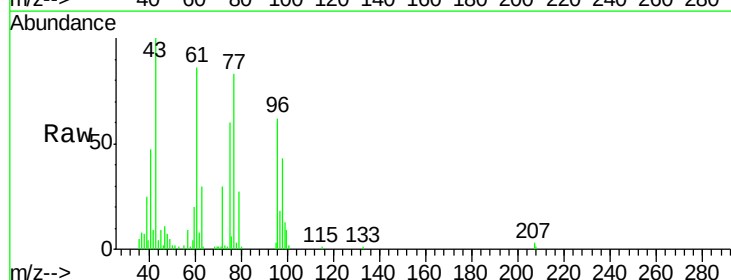
Manual Integrations
APPROVED

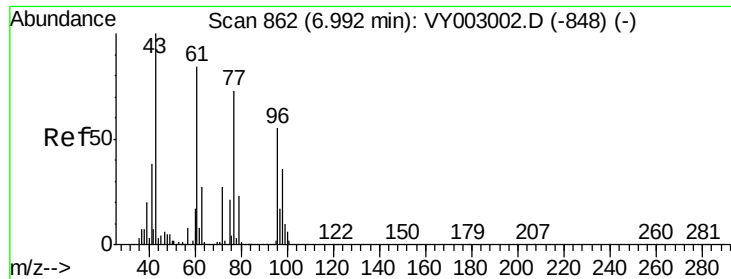
MMDadoda
7/8/2020 12:20:41 PM



#26
2,2-Dichloropropane
Concen: 4.449 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.3	33.9





#27

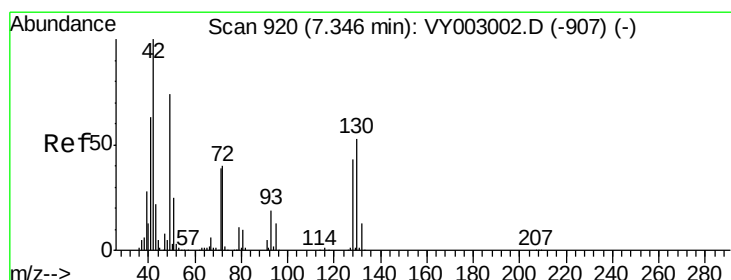
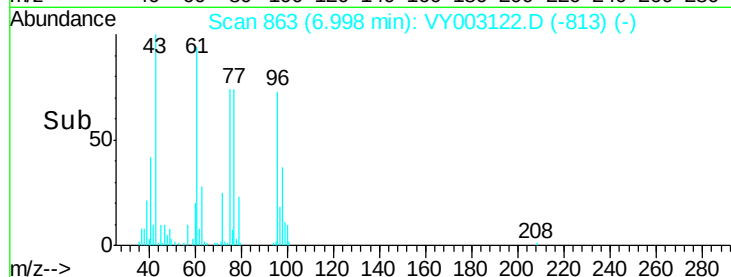
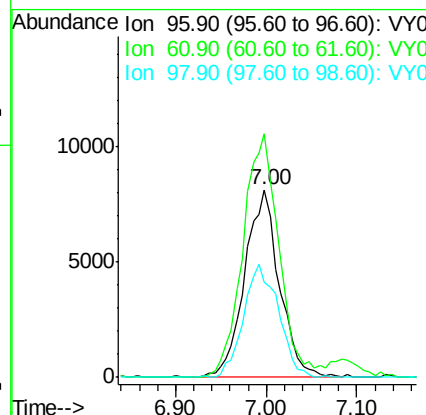
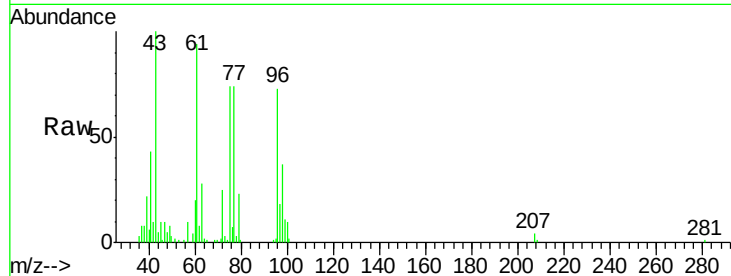
cis-1,2-Dichloroethene
 Concen: 4.818 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	301.2
98	60.5	0.0	129.0

Manual Integrations
 APPROVED

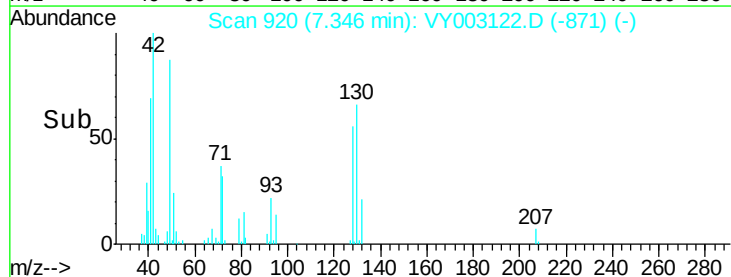
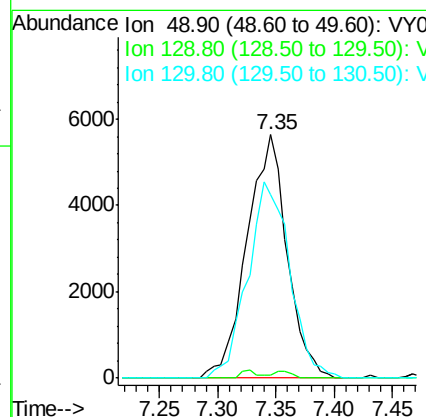
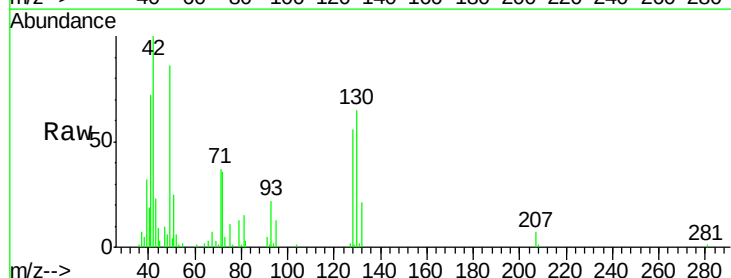
MMDadoda
 7/8/2020 12:20:41 PM

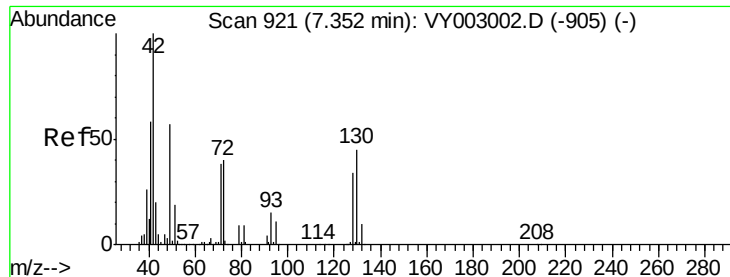


#28

Bromochloromethane
 Concen: 4.227 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.4
130	84.5	57.0	85.6





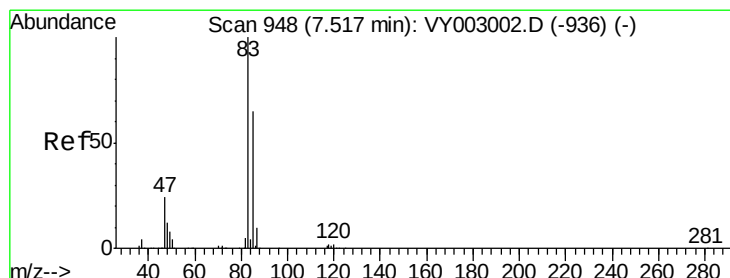
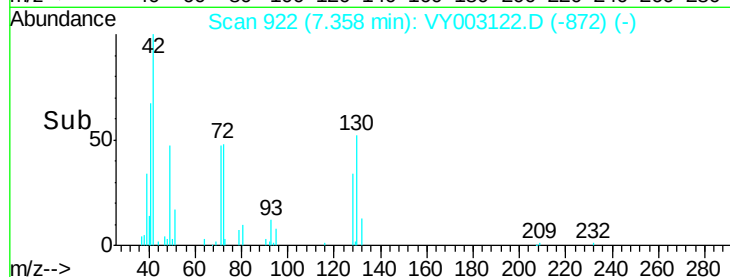
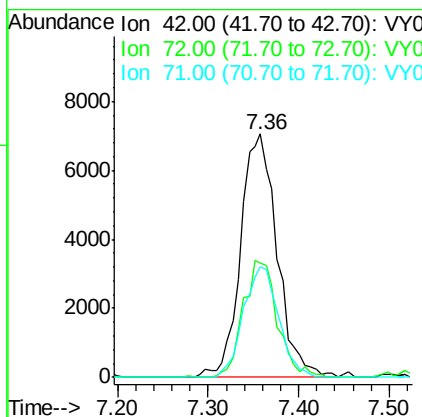
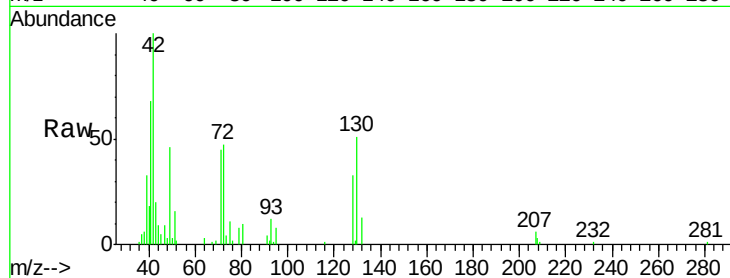
#29
Tetrahydrofuran
Concen: 19.537 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	42	Resp:	19589
Ion	Ratio	Lower	Upper
42	100		
72	45.4	32.9	49.3
71	43.8	31.2	46.8

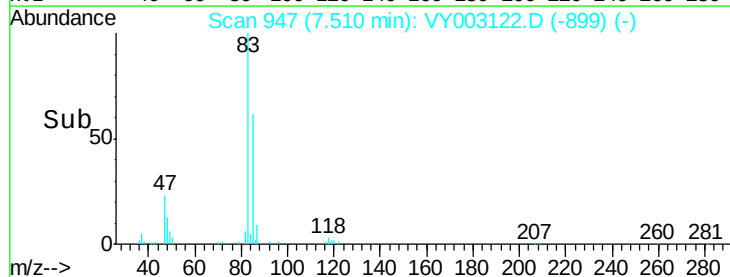
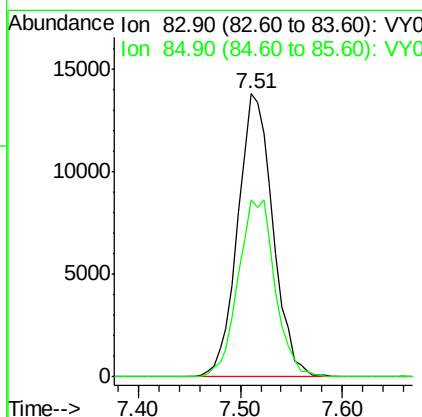
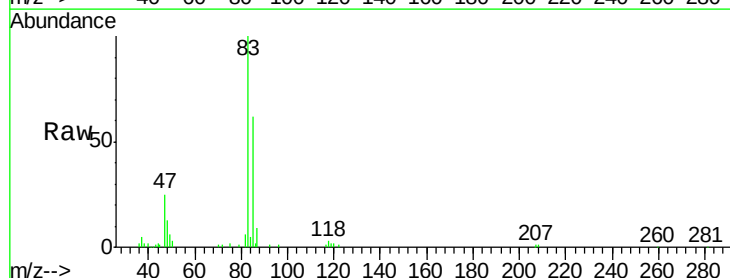
Manual Integrations
APPROVED

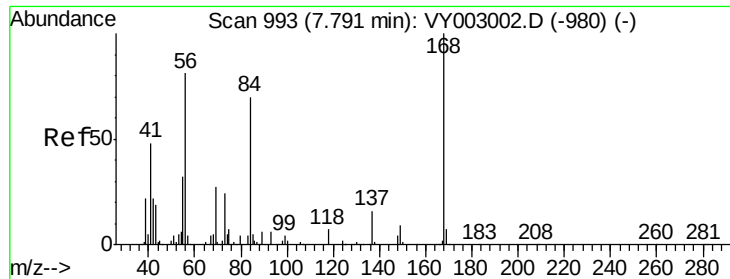
MMDadoda
7/8/2020 12:20:41 PM



#30
Chloroform
Concen: 4.634 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion:	83	Resp:	32983
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.7	77.5





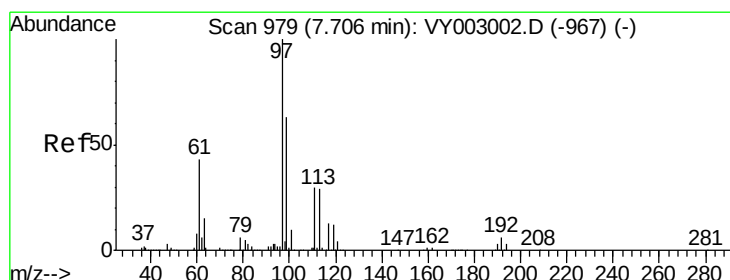
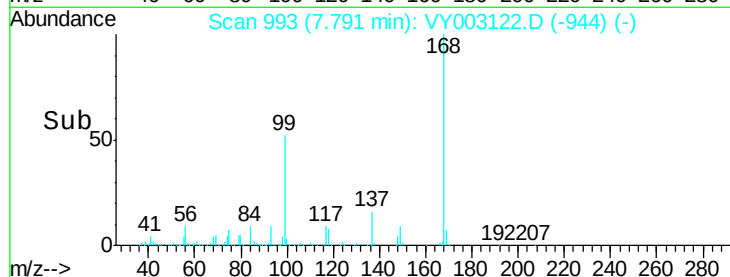
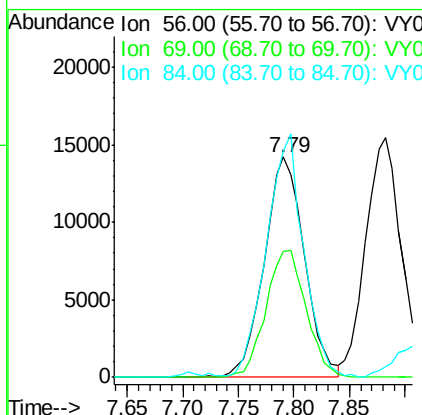
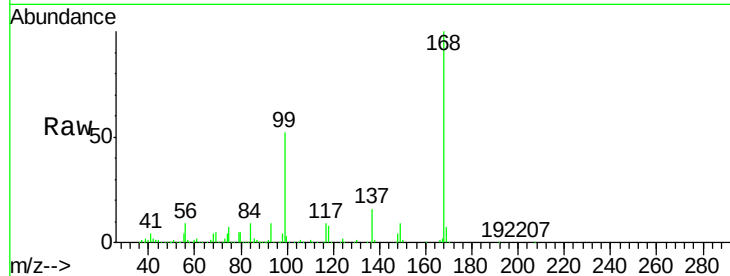
#31
Cyclohexane
Concen: 5.058 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	56.9	27.0	40.4#
84	100.0	68.1	102.1

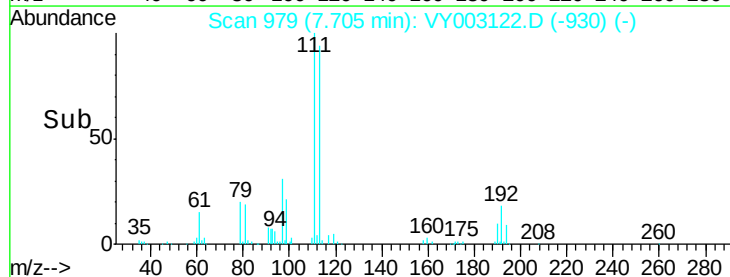
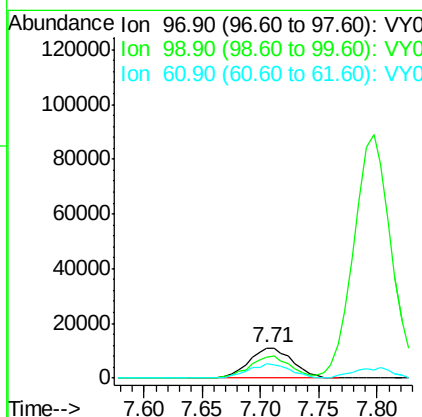
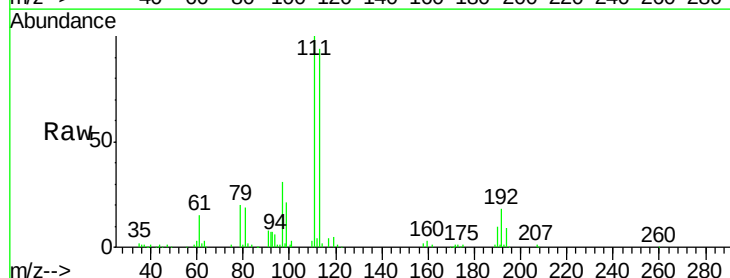
Manual Integrations
APPROVED

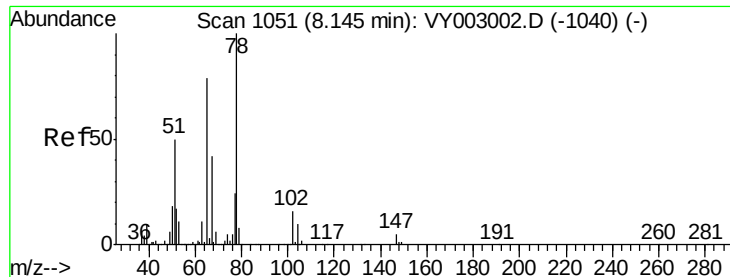
MMDadoda
7/8/2020 12:20:41 PM



#32
1,1,1-Trichloroethane
Concen: 4.378 ug/l
RT: 7.71 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	70.3	51.4	77.2
61	45.8	33.9	50.9





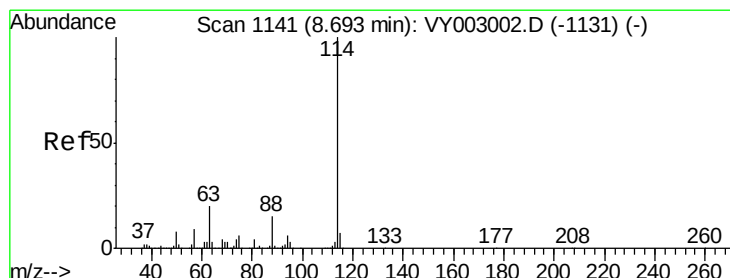
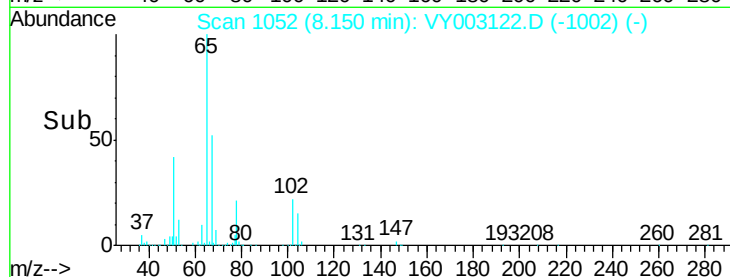
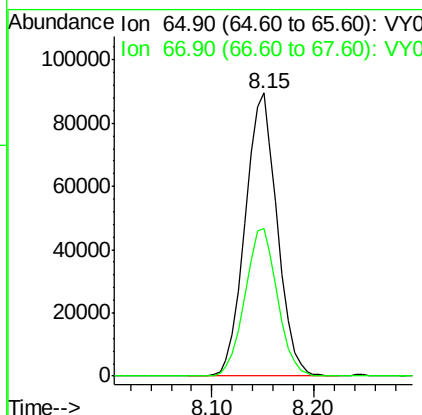
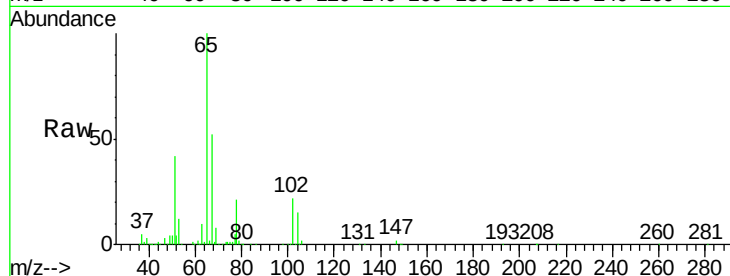
#33
 1,2-Dichloroethane-d4
 Concen: 48.442 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.0	0.0	105.6	

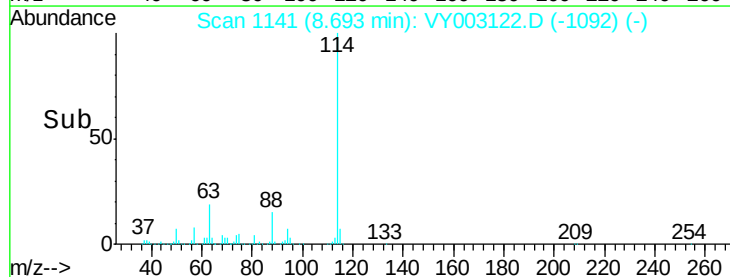
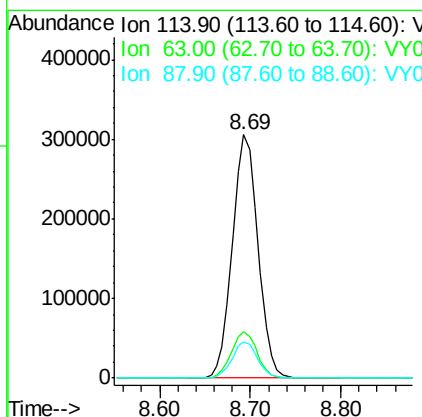
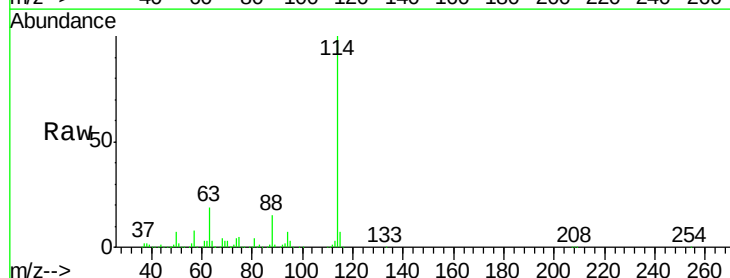
Manual Integrations
 APPROVED

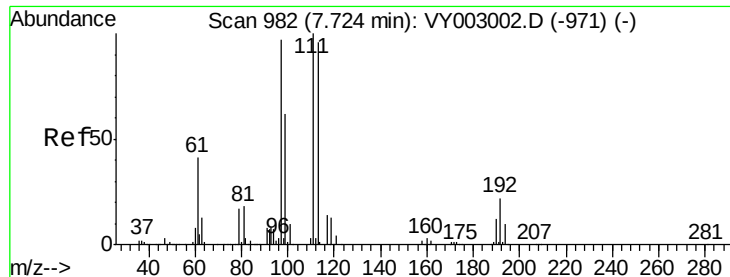
MMDadoda
 7/8/2020 12:20:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	40.6	
88	14.7	0.0	30.0	





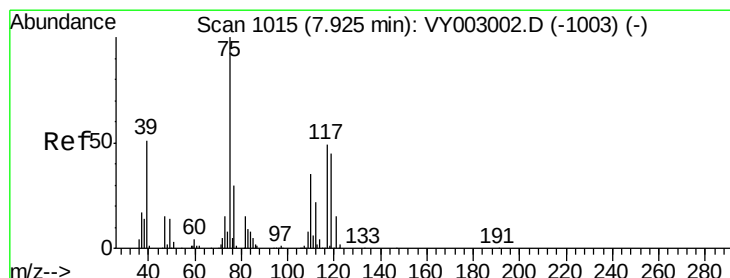
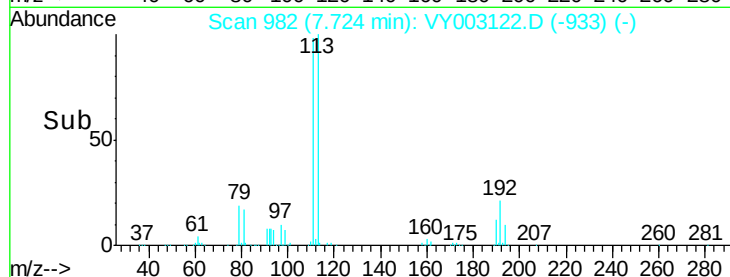
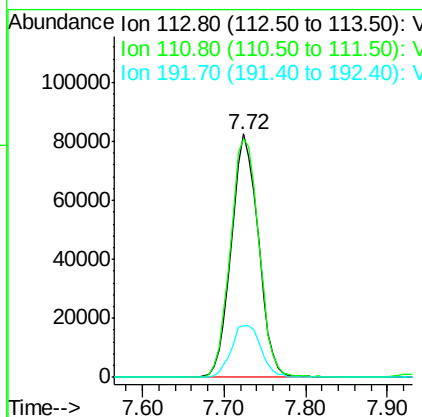
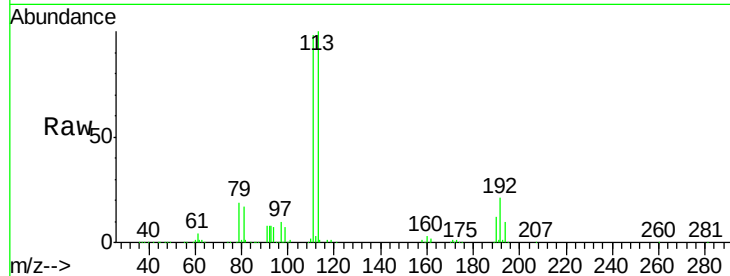
#35
Dibromofluoromethane
Concen: 50.423 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	188348		
111	103.7	82.6	123.8	
192	23.4	18.1	27.1	

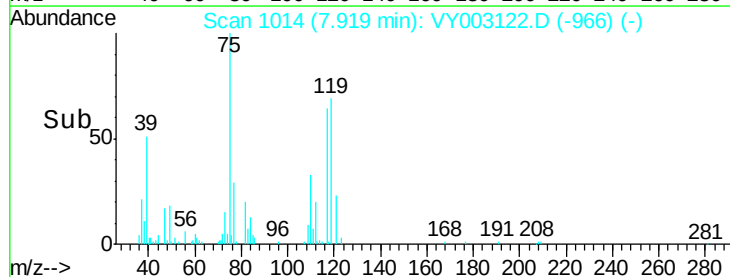
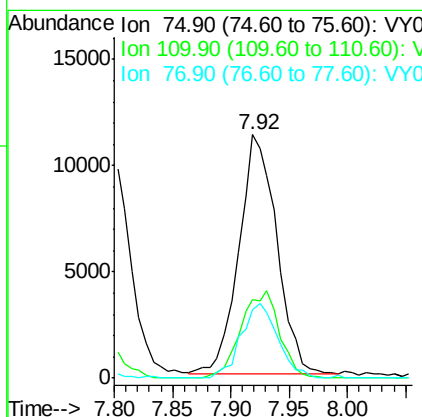
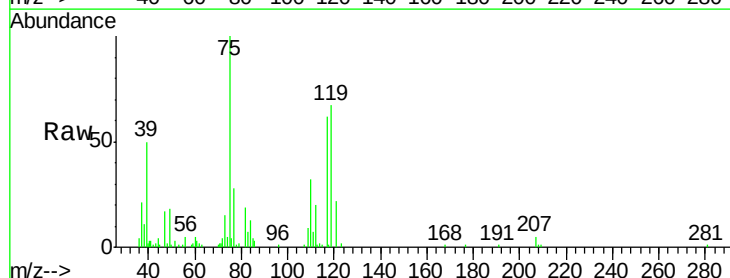
Manual Integrations
APPROVED

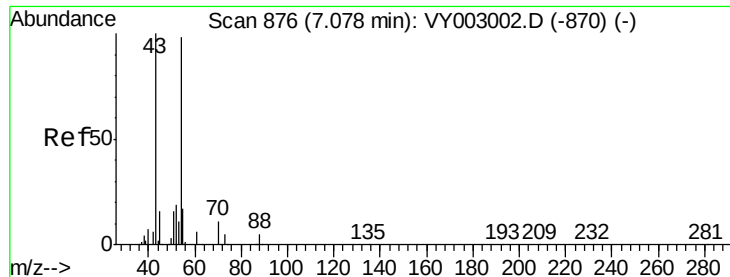
MMDadoda
7/8/2020 12:20:41 PM



#36
1,1-Dichloropropene
Concen: 4.438 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25596		
110	36.7	17.1	51.2	
77	30.1	24.9	37.3	





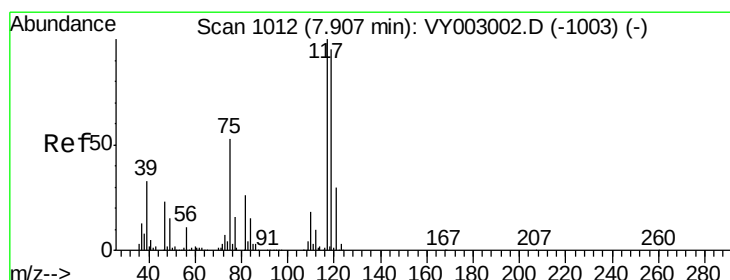
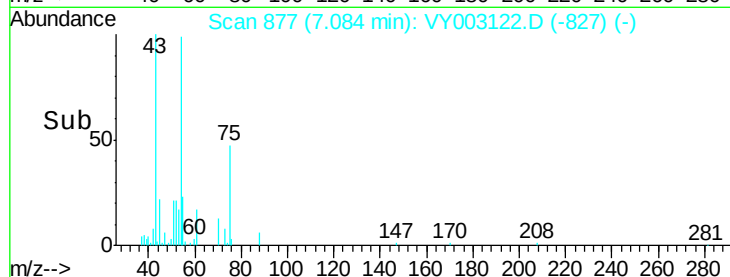
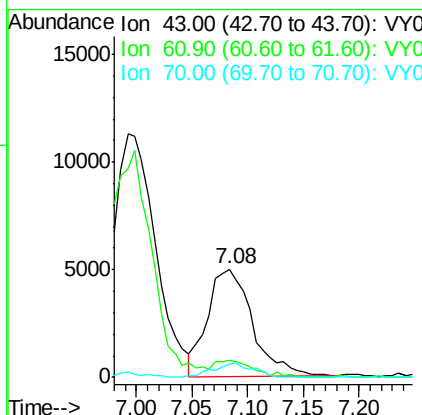
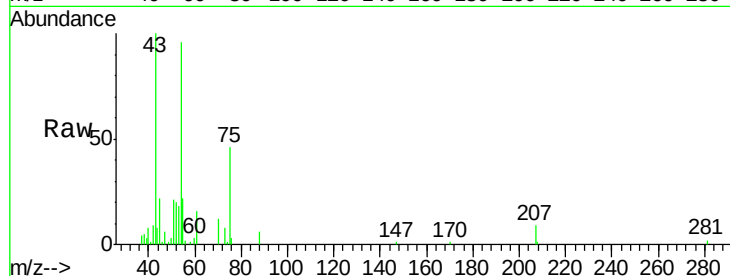
#37
Ethyl Acetate
Concen: 4.008 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	11.9	7.7	11.5

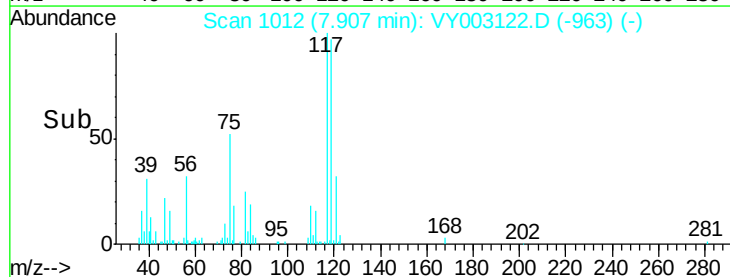
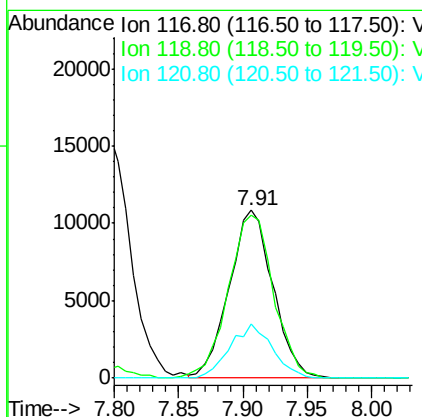
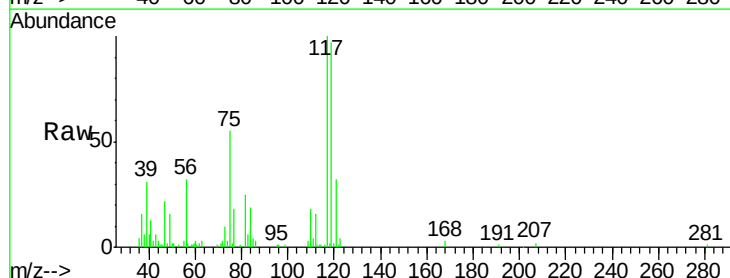
Manual Integrations
APPROVED

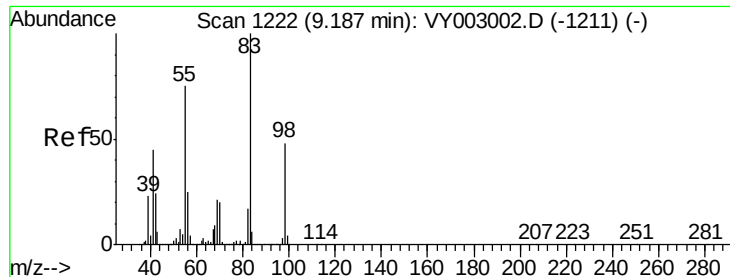
MMDadoda
7/8/2020 12:20:41 PM



#38
Carbon Tetrachloride
Concen: 4.273 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.7	113.5
121	31.9	23.9	35.9





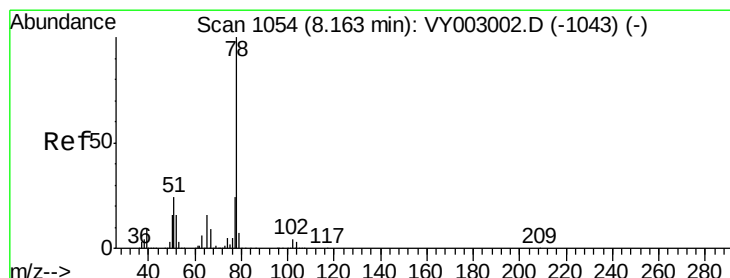
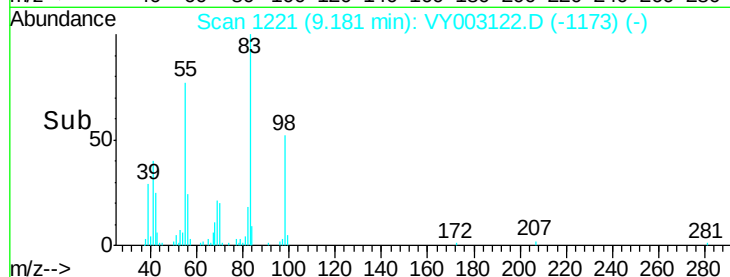
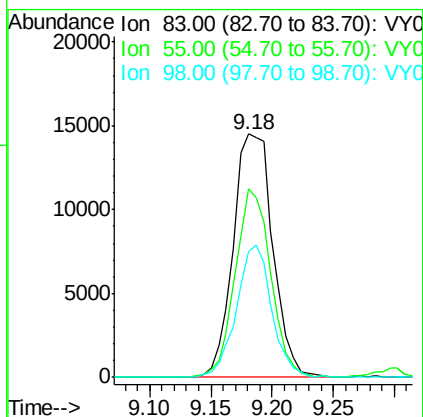
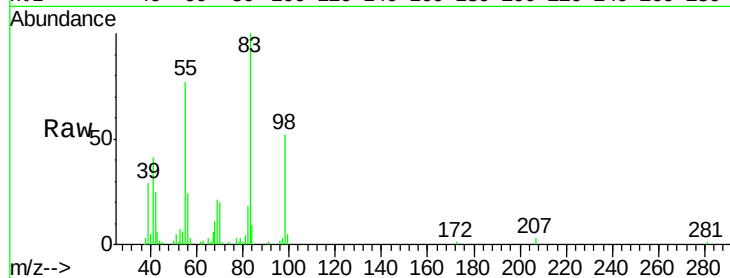
#39
Methylvlclohexane
Concen: 4.561 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	59.9	89.9
98	51.9	38.7	58.1

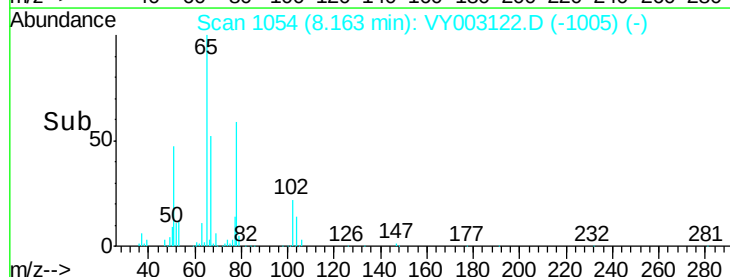
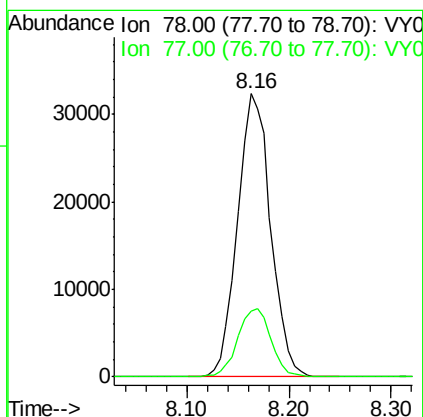
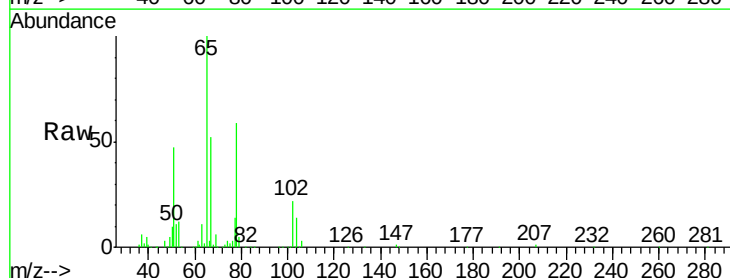
Manual Integrations
APPROVED

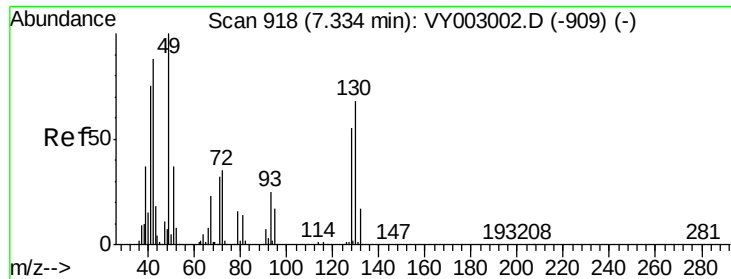
MMDadoda
7/8/2020 12:20:41 PM



#40
Benzene
Concen: 4.613 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8





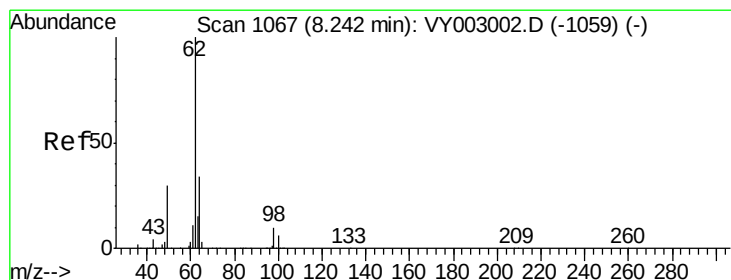
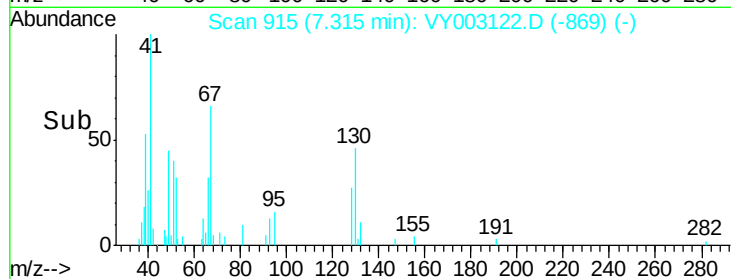
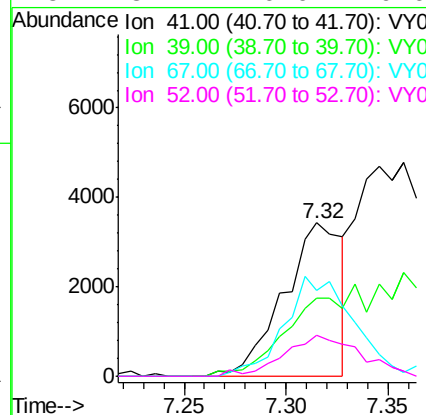
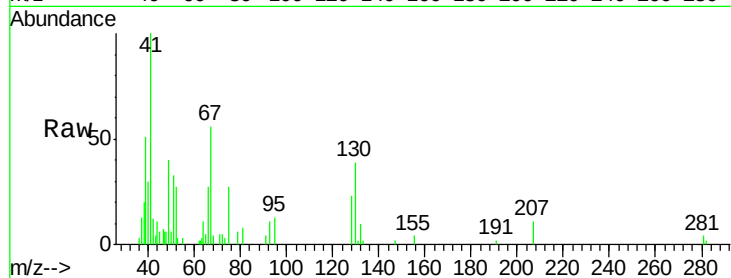
#41
Methacrylonitrile
Concen: 3.690 ug/l
RT: 7.32 min Scan# 915
Delta R.T. -0.02 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.4	85.7	128.5#
67	77.4	0.0	0.0#
52	34.7	0.0	0.0#

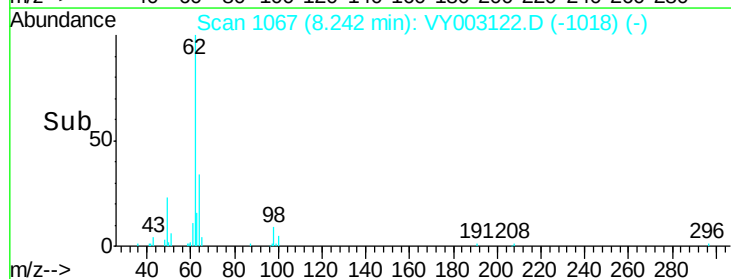
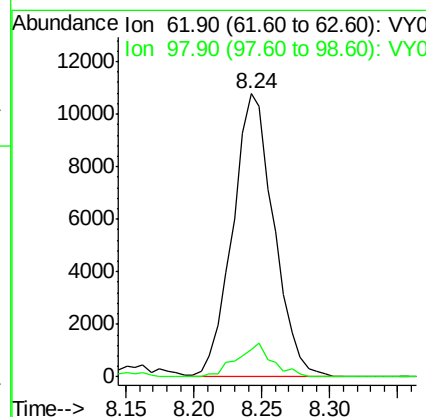
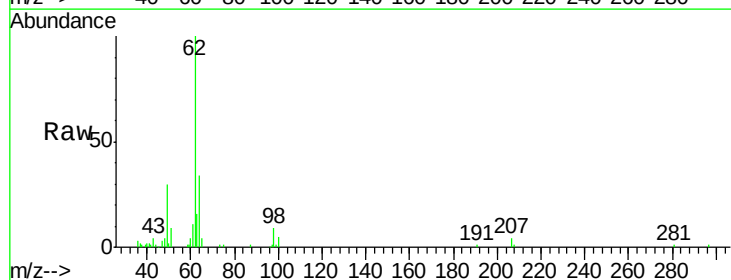
Manual Integrations
APPROVED

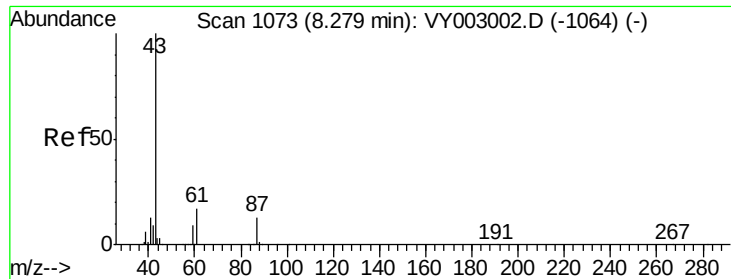
MMDadoda
7/8/2020 12:20:41 PM



#42
1,2-Dichloroethane
Concen: 4.549 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.2





#43

Isopropyl Acetate

Concen: 3.927 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

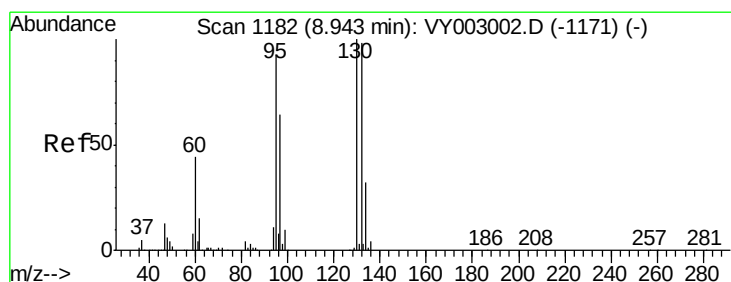
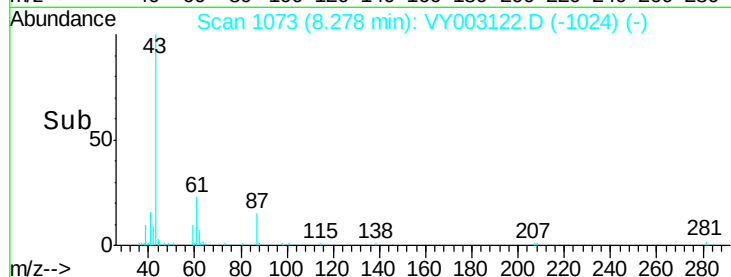
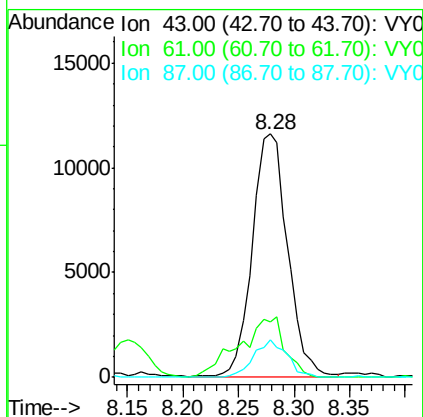
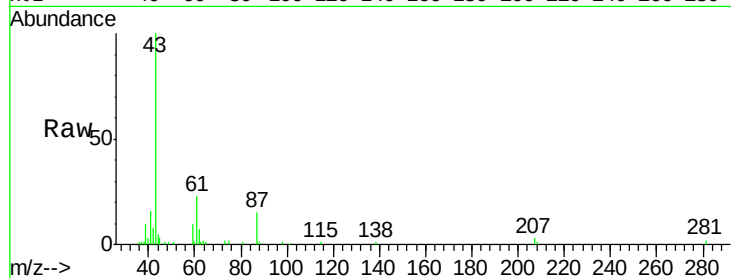
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	43	Resp:	25887
Ion	Ratio	Lower	Upper
43	100		
61	31.7	21.8	32.6
87	14.3	10.1	15.1

Manual Integrations
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MMDadoda
7/8/2020 12:20:41 PM



#44

Trichloroethene

Concen: 4.629 ug/l

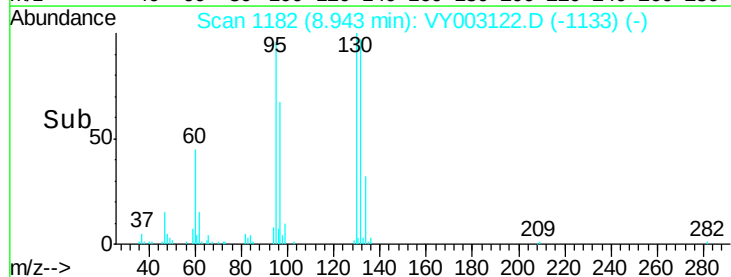
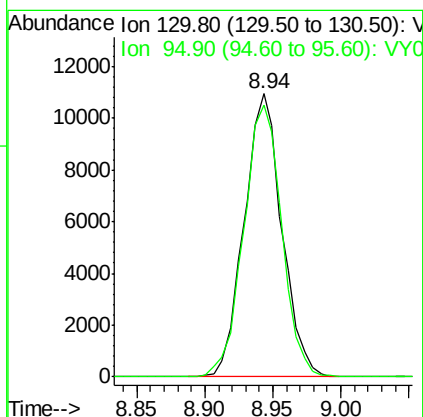
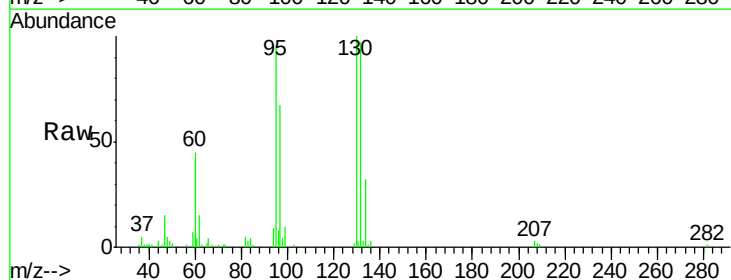
RT: 8.94 min Scan# 1182

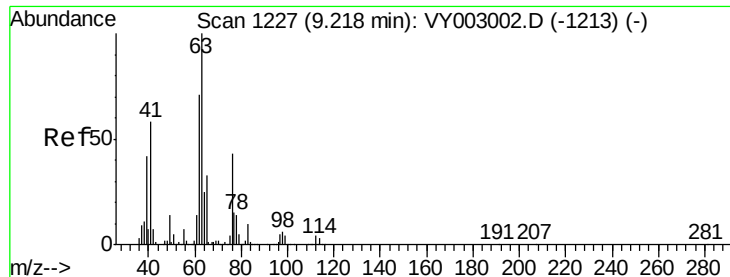
Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Tgt Ion:	130	Resp:	21244
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	186.4





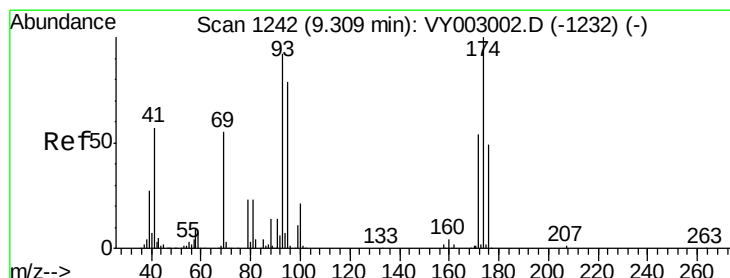
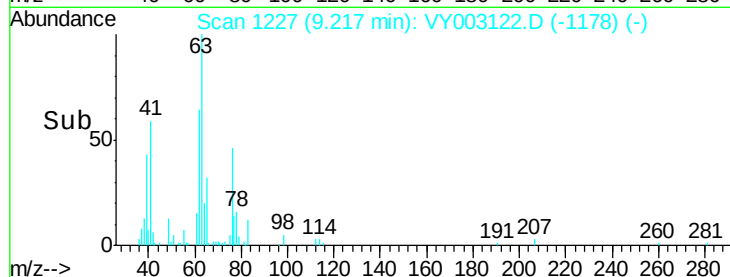
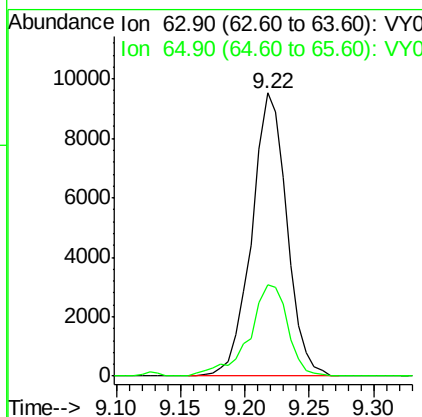
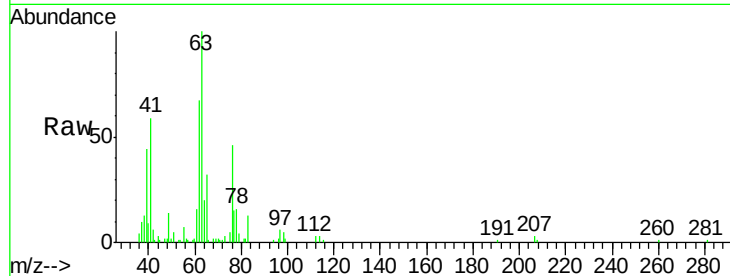
#45
 1,2-Dichloropropane
 Concen: 4.227 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	26.2	39.4

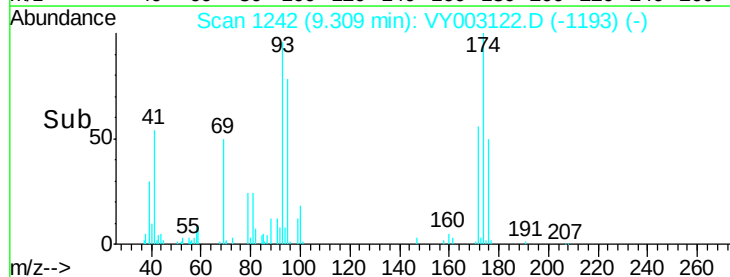
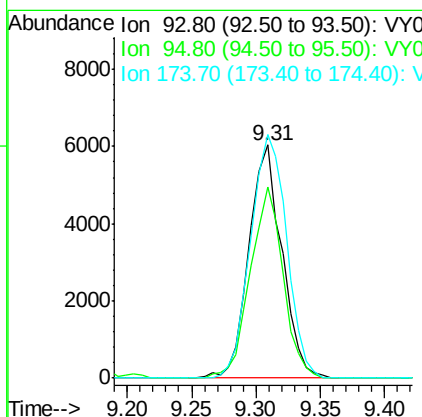
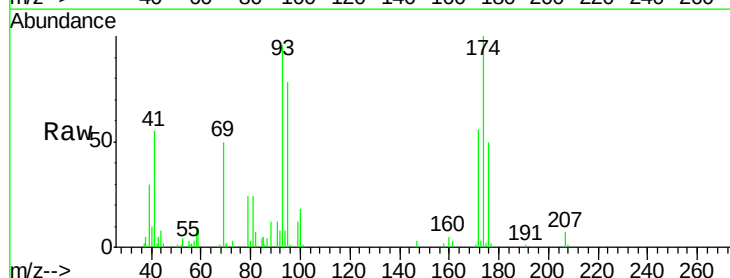
Manual Integrations
 APPROVED

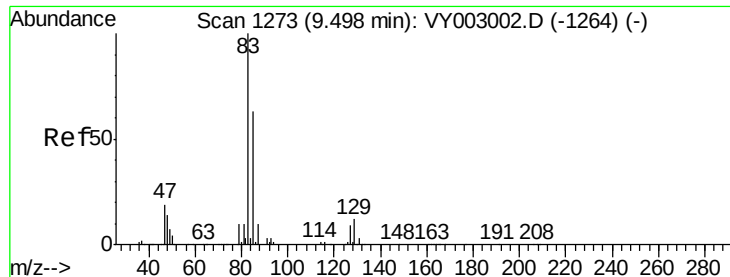
MMDadoda
 7/8/2020 12:20:41 PM



#46
 Dibromomethane
 Concen: 4.489 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	67.6	101.4
174	114.5	88.3	132.5





#47

Bromodichloromethane

Concen: 4.419 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

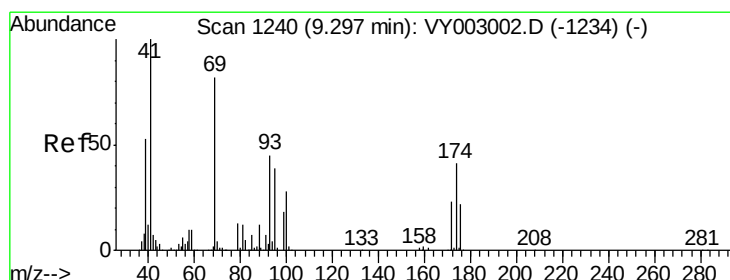
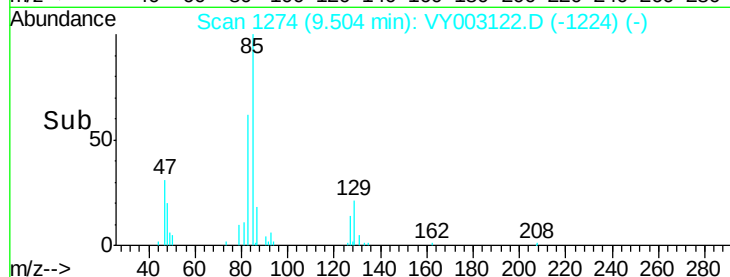
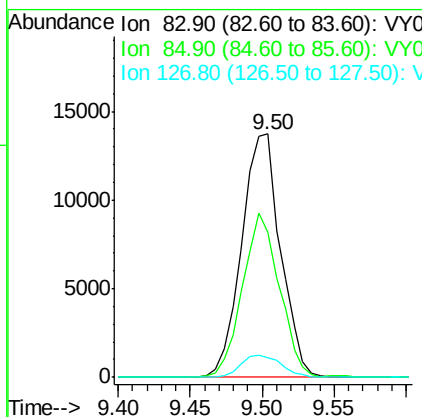
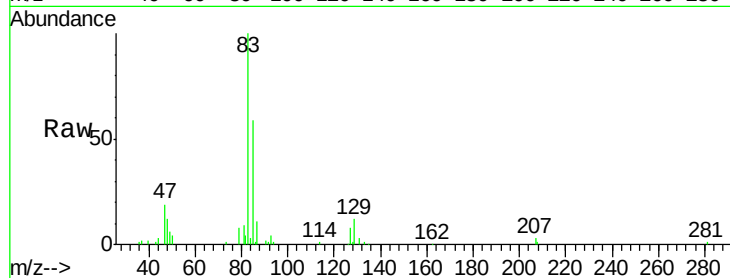
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	83	Resp:	25671
Ion	Ratio	Lower	Upper
83	100		
85	59.4	50.5	75.7
127	8.1	7.0	10.4

Manual Integrations
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MMDadoda
7/8/2020 12:20:41 PM



#48

Methyl methacrylate

Concen: 3.716 ug/l

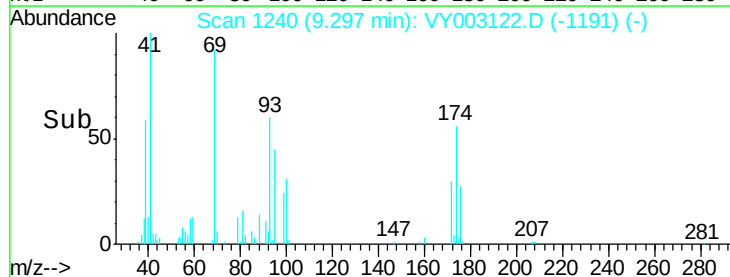
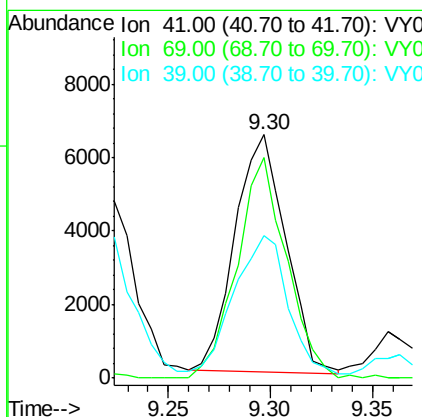
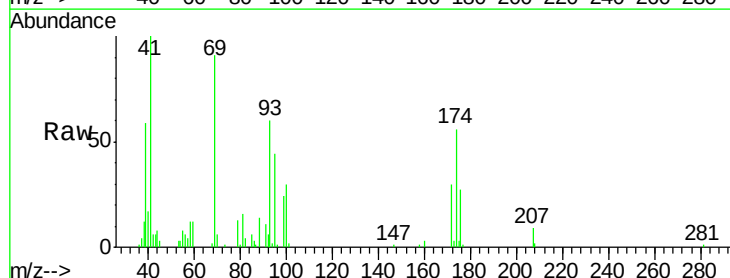
RT: 9.30 min Scan# 1240

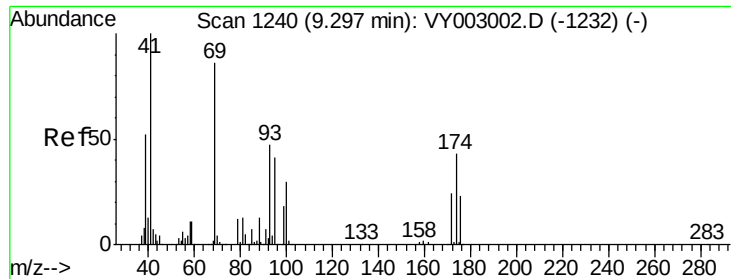
Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Tgt Ion:	41	Resp:	11151
Ion	Ratio	Lower	Upper
41	100		
69	91.2	67.7	101.5
39	66.2	45.0	67.4





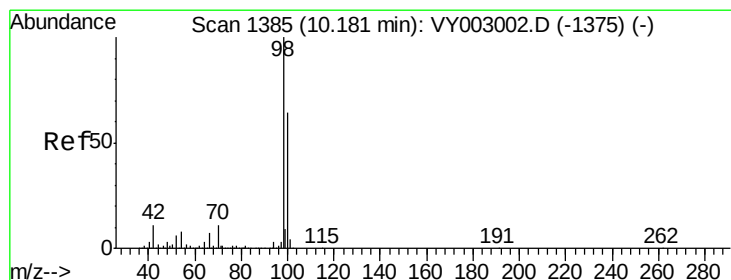
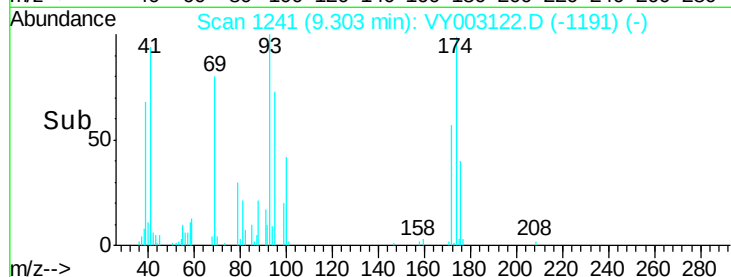
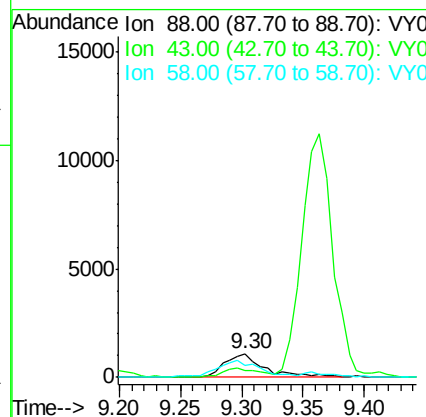
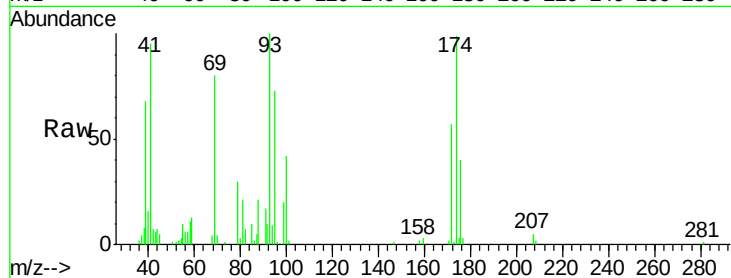
#49
1,4-Dioxane
Concen: 84.589 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	28.6	42.8
58	79.3	56.7	85.1

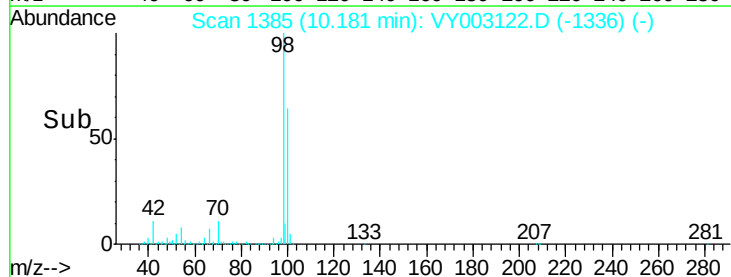
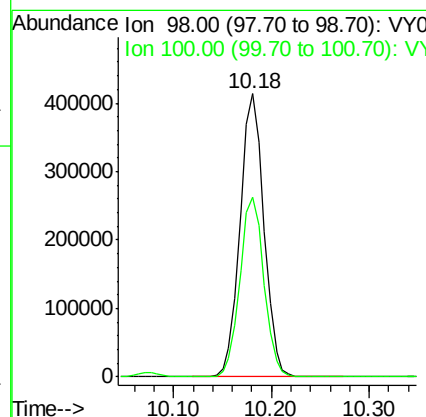
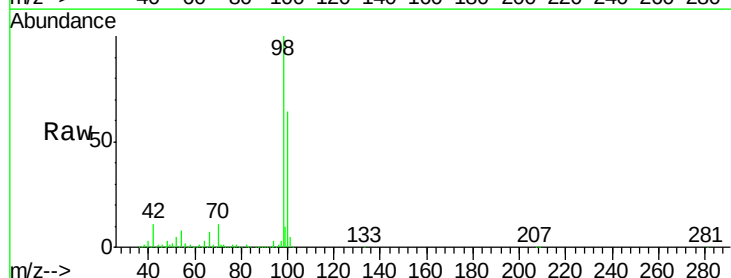
Manual Integrations
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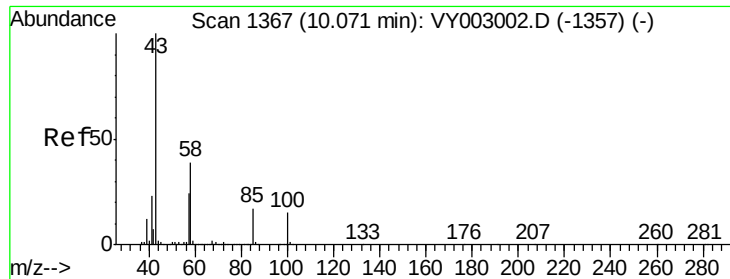
MMDadoda
7/8/2020 12:20:41 PM



#50
Toluene-d8
Concen: 50.377 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7





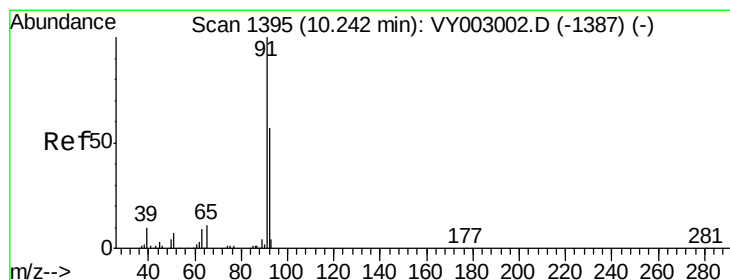
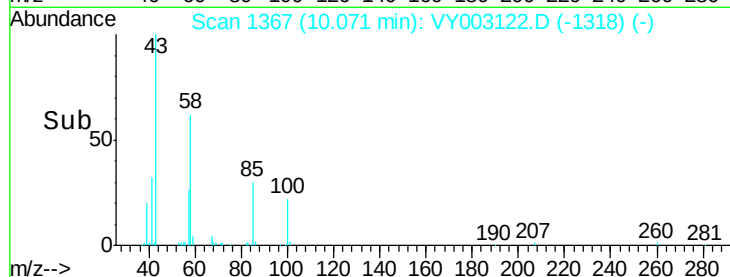
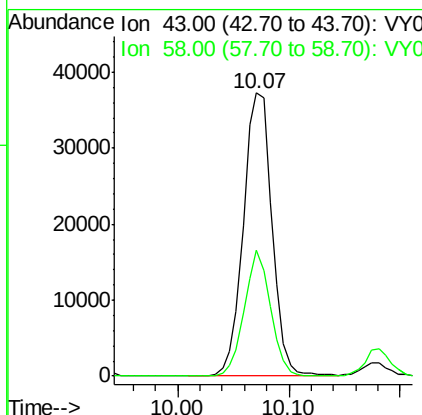
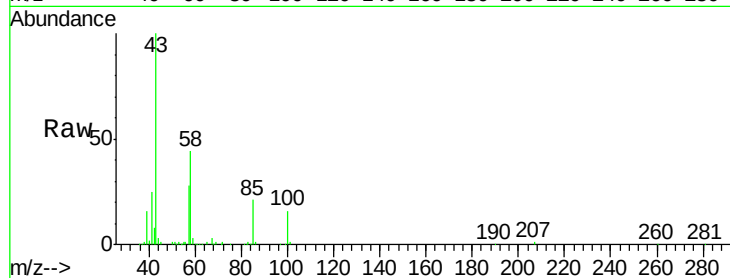
#51
4-Methyl-2-Pentanone
Concen: 19.591 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 66754
Ion Ratio Lower Upper
43 100
58 40.6 31.1 46.7

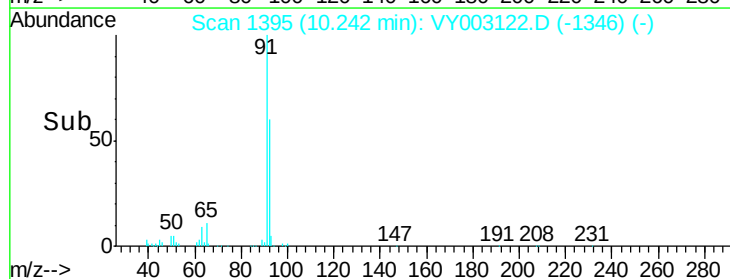
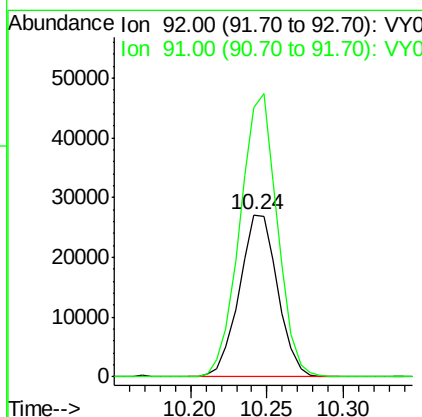
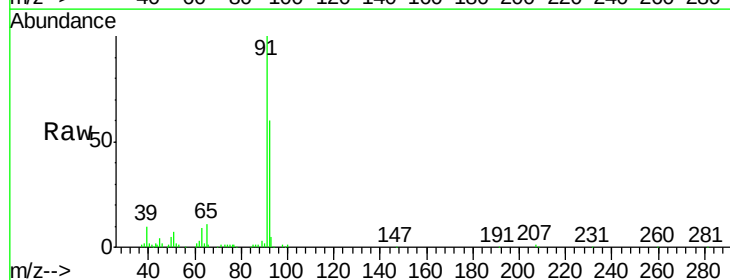
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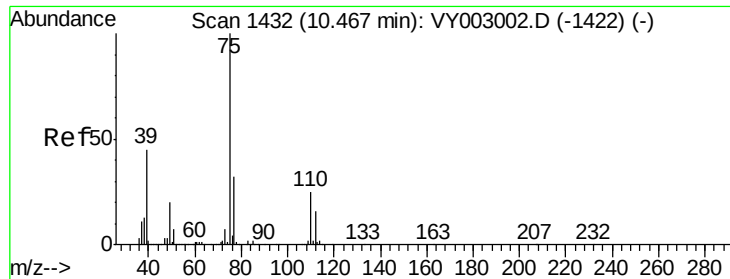
MMDadoda
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#52
Toluene
Concen: 4.728 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion: 92 Resp: 46996
Ion Ratio Lower Upper
92 100
91 170.1 139.6 209.4





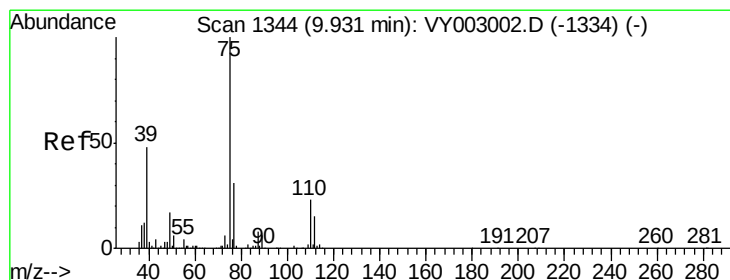
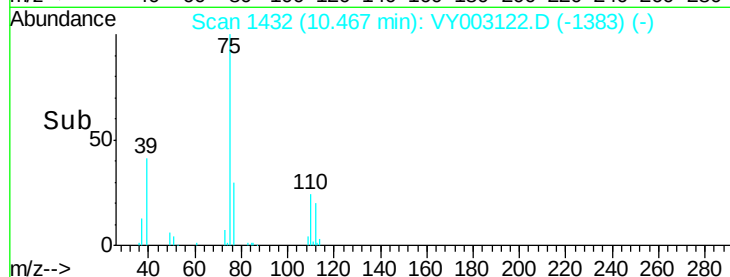
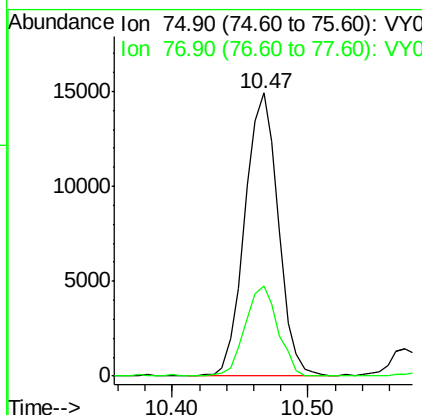
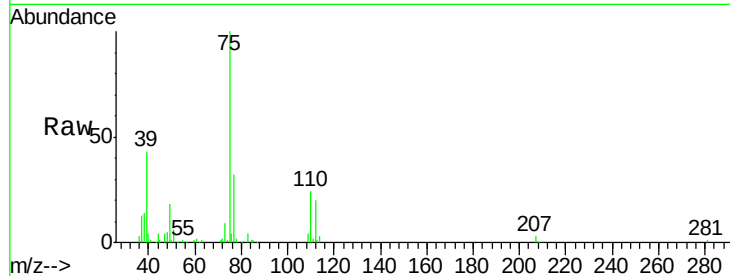
#53
t-1,3-Dichloropropene
Concen: 4.224 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.9	38.9

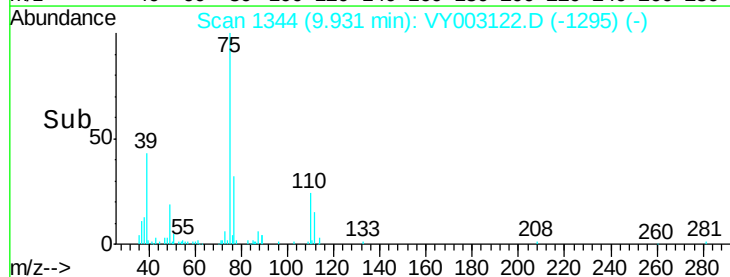
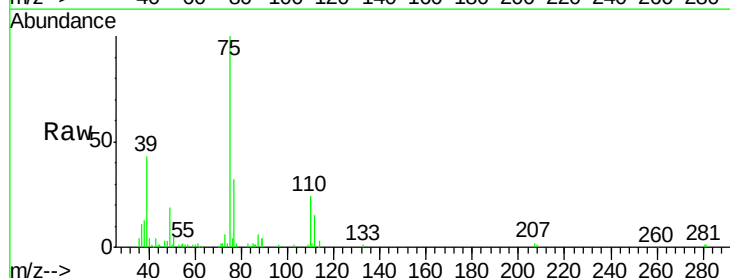
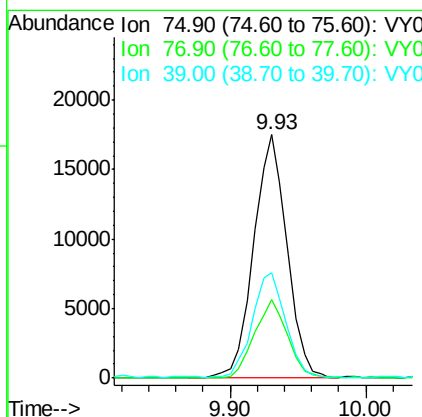
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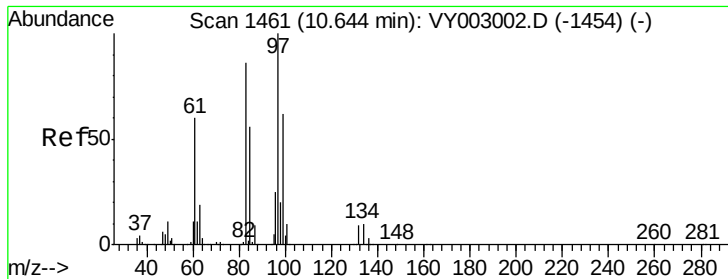
MMDadoda
7/8/2020 12:20:41 PM



#54
cis-1,3-Dichloropropene
Concen: 4.298 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.6	37.0
39	42.5	38.3	57.5





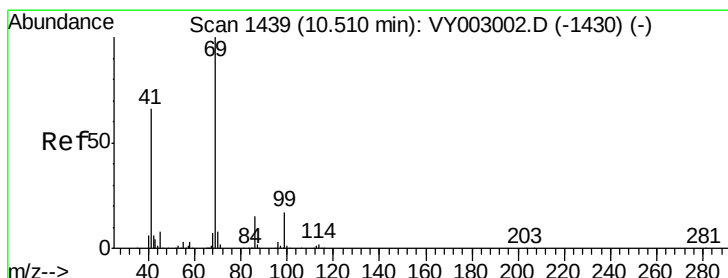
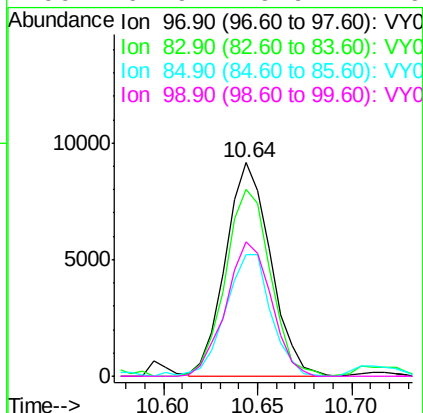
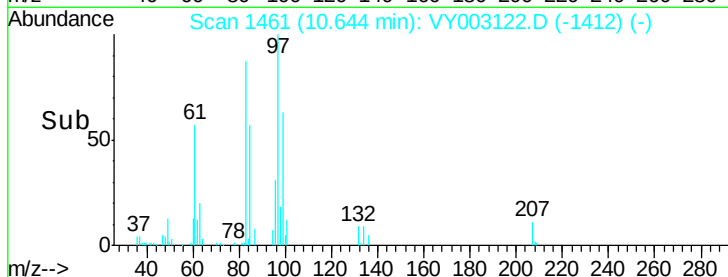
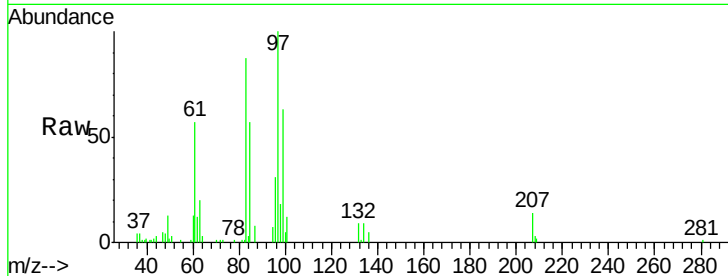
#55
 1,1,2-Trichloroethane
 Concen: 4.628 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	97	Resp:	15258
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.0	103.6
85	56.8	44.8	67.2
99	62.9	49.9	74.9

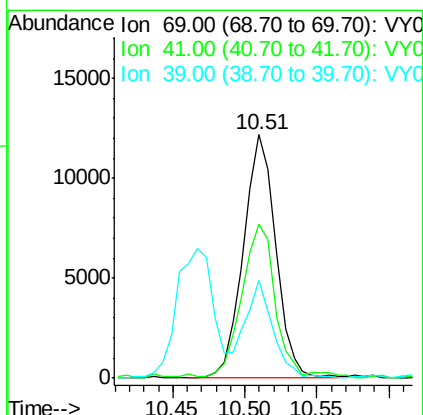
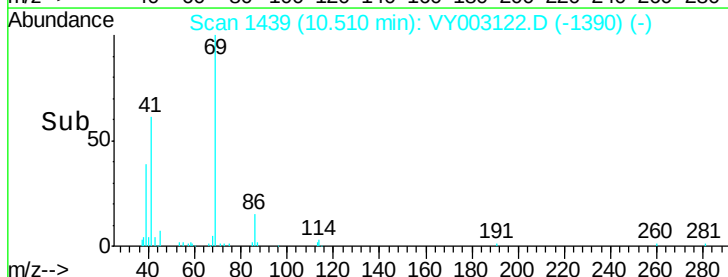
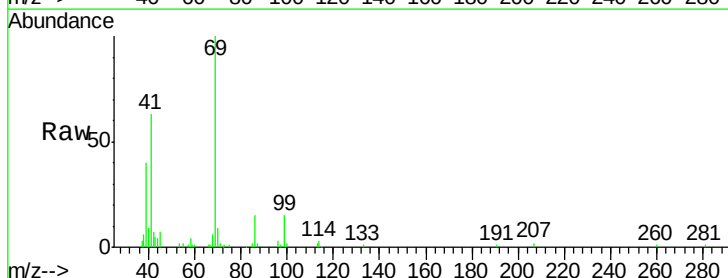
Manual Integrations
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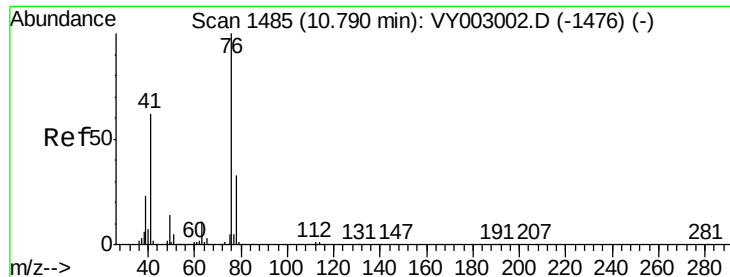
MMDadoda
 7/8/2020 12:20:41 PM



#56
 Ethyl methacrylate
 Concen: 3.980 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Tgt Ion:	69	Resp:	18994
Ion	Ratio	Lower	Upper
69	100		
41	63.2	53.7	80.5
39	36.3	28.3	42.5





#57

1,3-Dichloropropane

Concen: 4.356 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 76 Resp: 25214

Ion Ratio Lower Upper

76 100

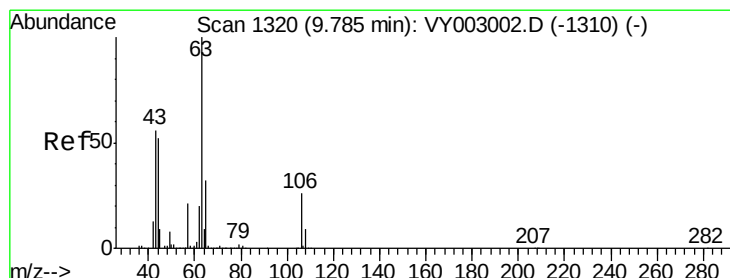
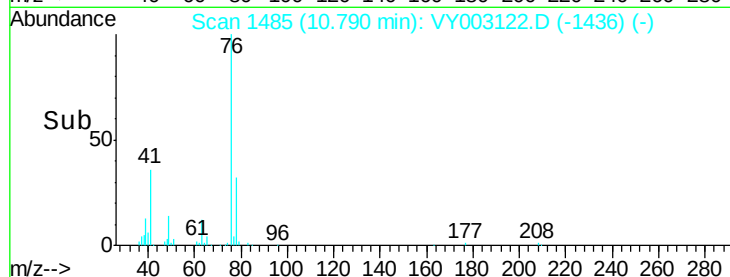
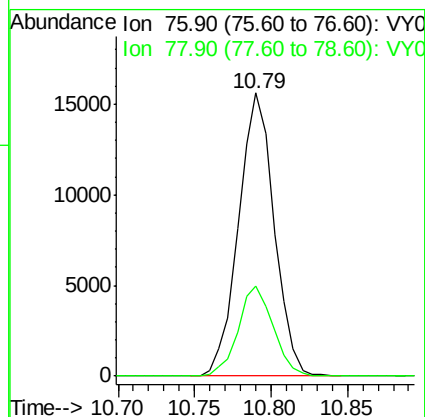
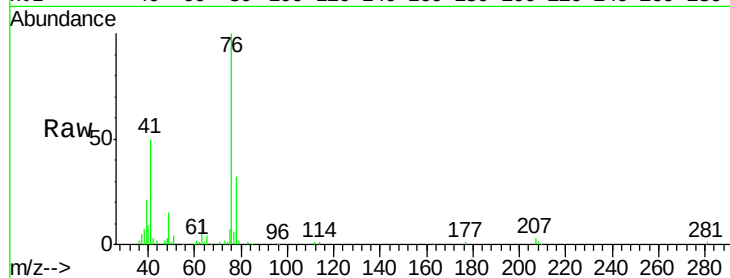
78 31.4 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

7/8/2020 12:20:41 PM



#58

2-Chloroethyl Vinyl ether

Concen: 21.400 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003122.D

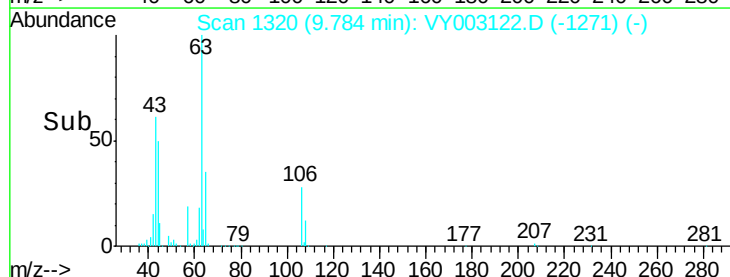
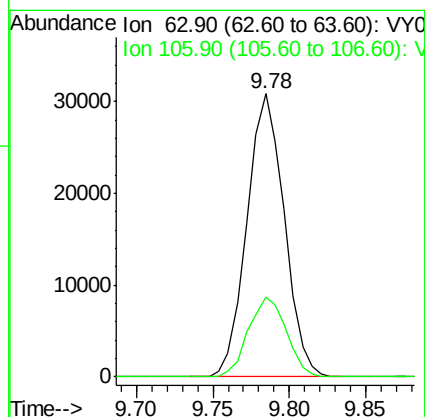
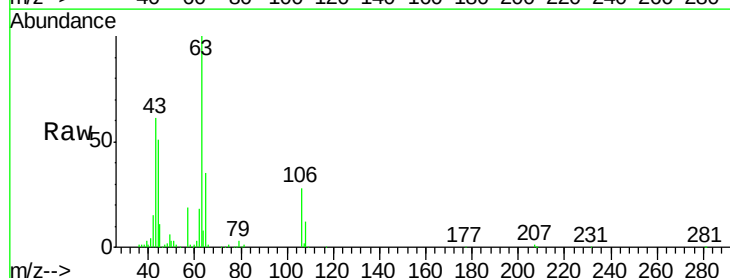
Acq: 07 Jul 2020 13:28

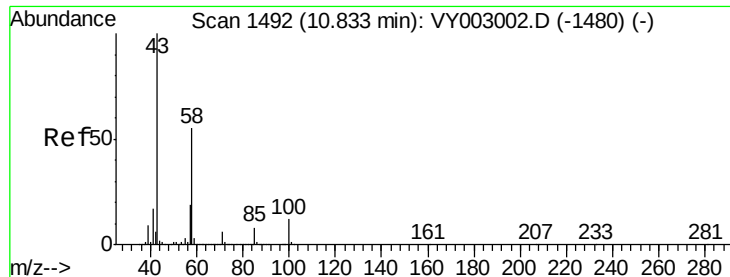
Tgt Ion: 63 Resp: 52382

Ion Ratio Lower Upper

63 100

106 28.7 21.5 32.3





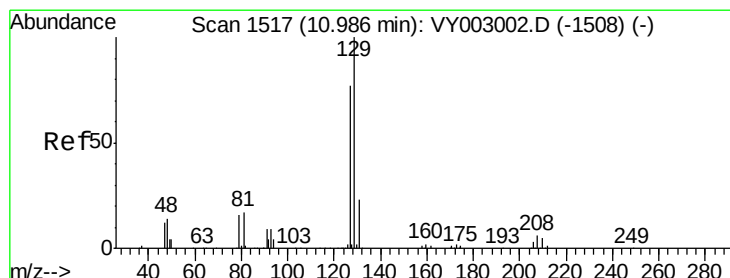
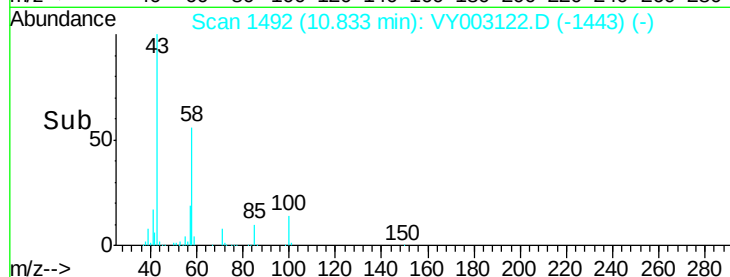
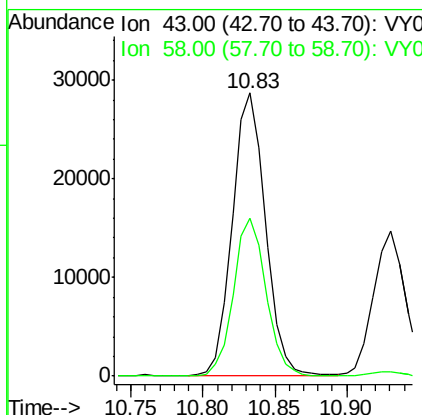
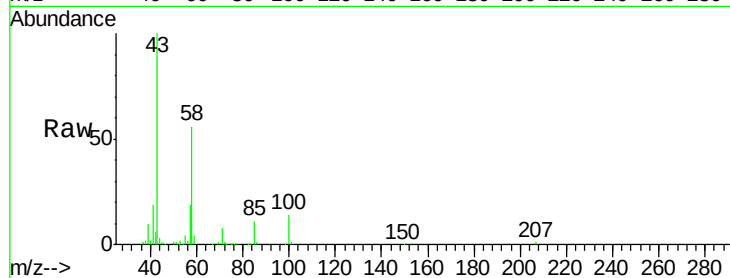
#59
2-Hexanone
Concen: 19.433 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	27.5	82.4

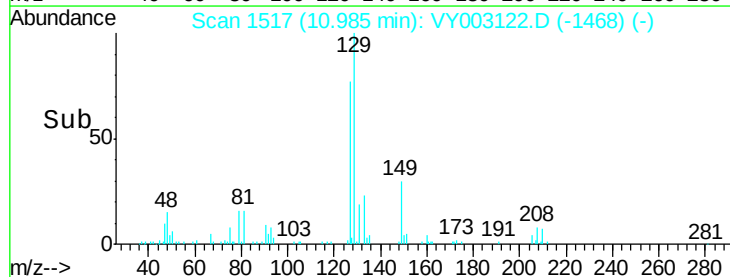
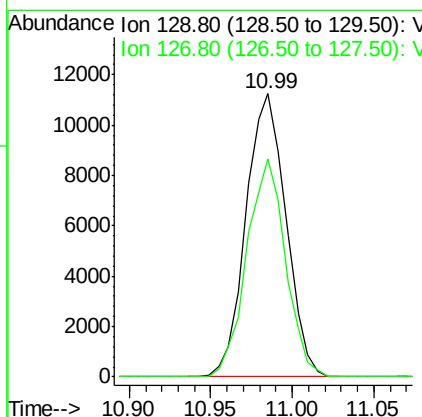
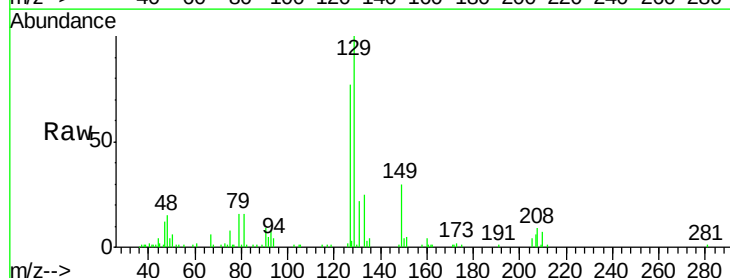
Manual Integrations
APPROVED

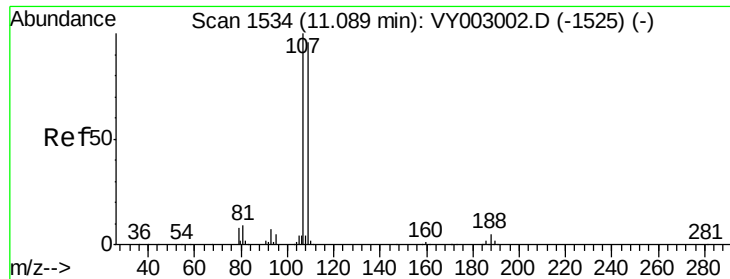
MMDadoda
7/8/2020 12:20:41 PM



#60
Dibromochloromethane
Concen: 4.544 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.8	39.1	117.3





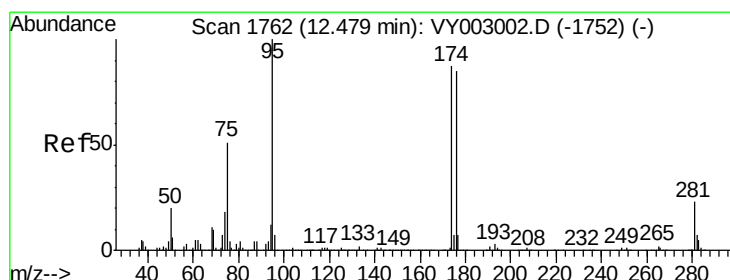
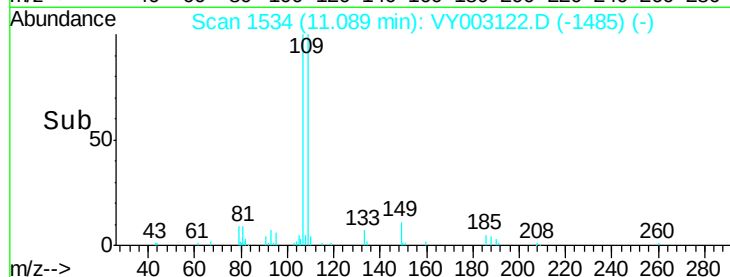
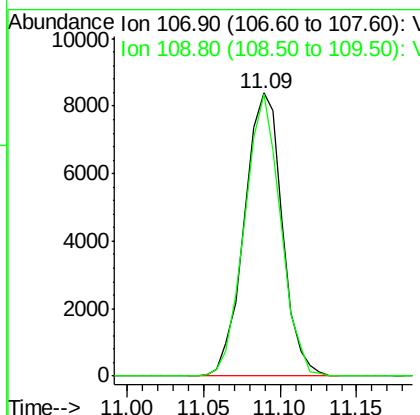
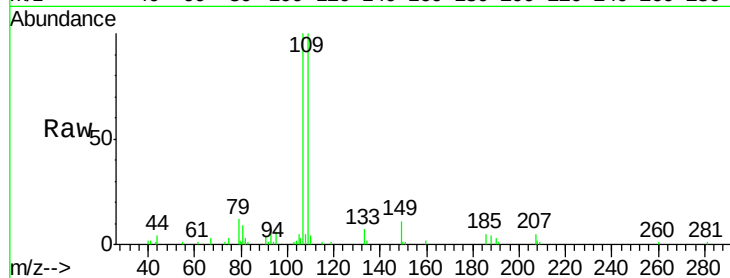
#61
 1,2-Dibromoethane
 Concen: 4.433 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.8	113.8

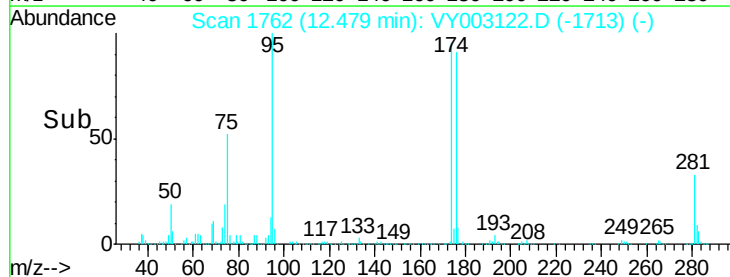
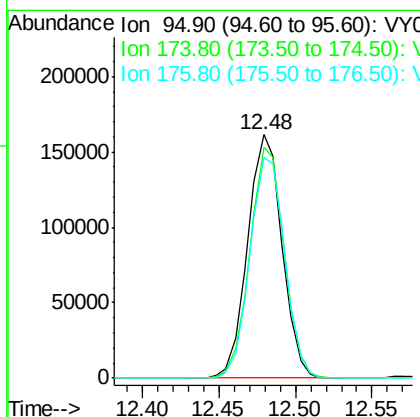
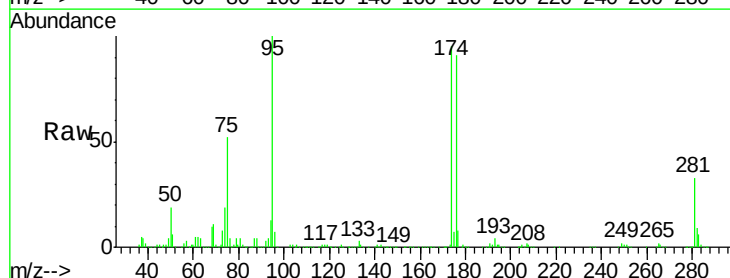
Manual Integrations
 APPROVED

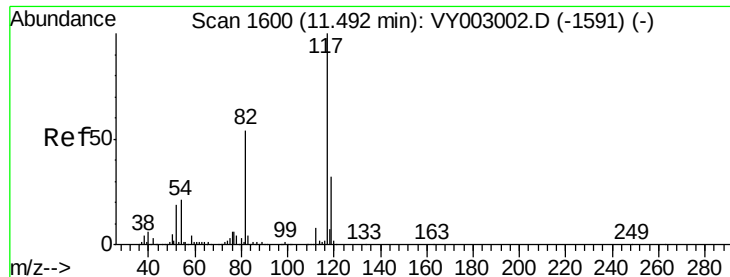
MMDadoda
 7/8/2020 12:20:41 PM



#62
 4-Bromofluorobenzene
 Concen: 51.466 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.4	0.0	184.8
176	92.0	0.0	183.0





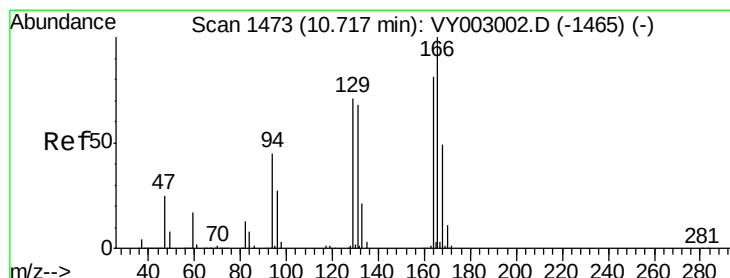
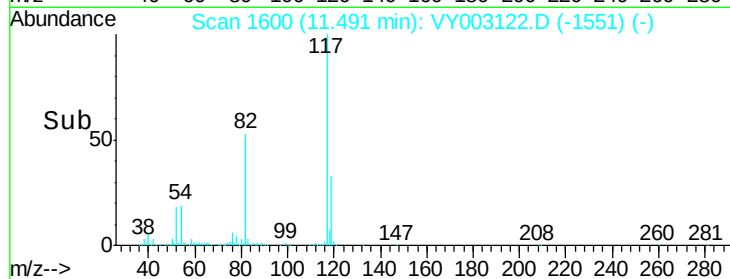
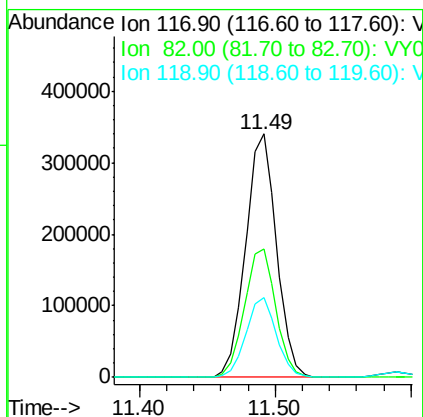
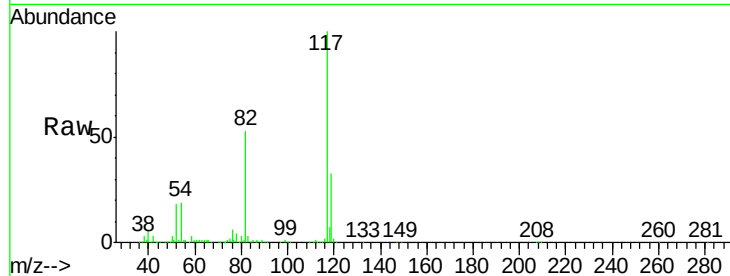
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	43.0	64.6
119	32.7	25.8	38.8

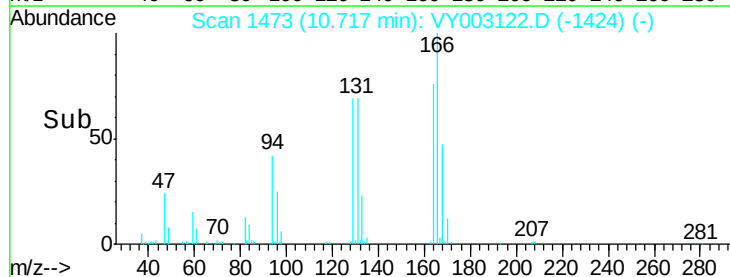
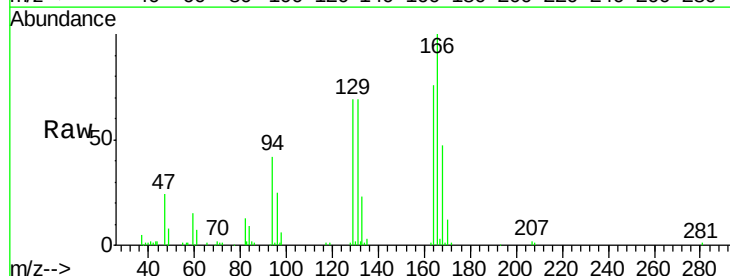
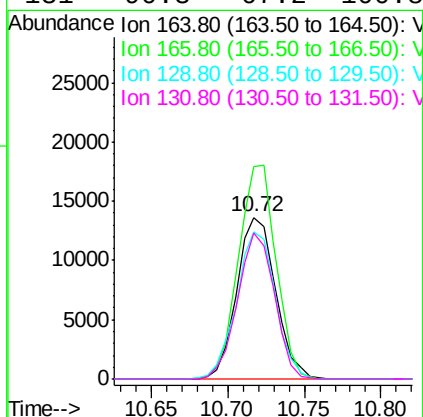
Manual Integrations
APPROVED

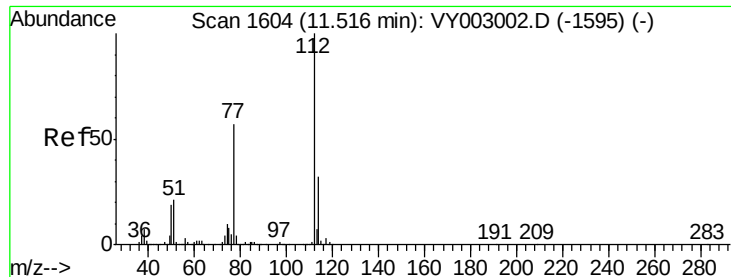
MMDadoda
7/8/2020 12:20:41 PM



#64
Tetrachloroethene
Concen: 5.228 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	98.5	147.7
129	90.7	69.7	104.5
131	90.3	67.2	100.8





#65

Chlorobenzene

Concen: 4.783 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:112 Resp: 50952

Ion Ratio Lower Upper

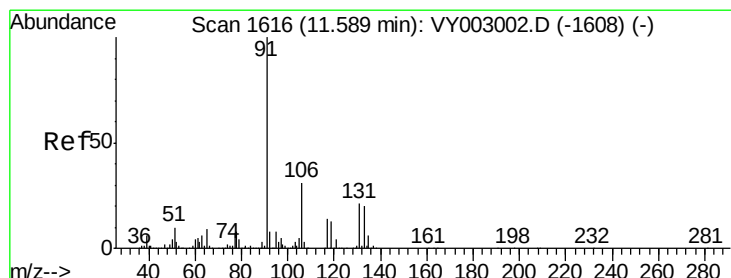
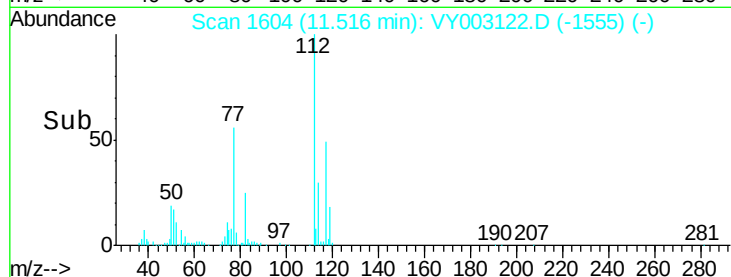
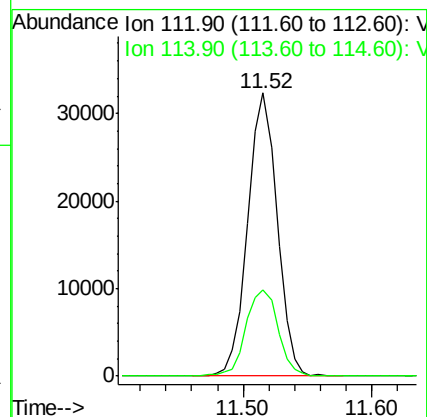
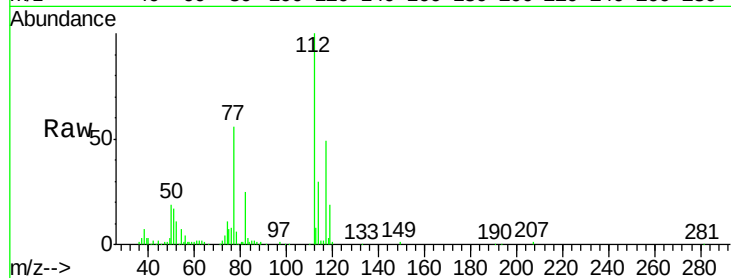
112 100

114 30.3 25.7 38.5

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 4.422 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

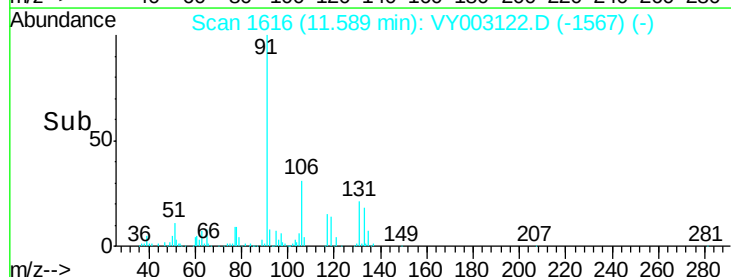
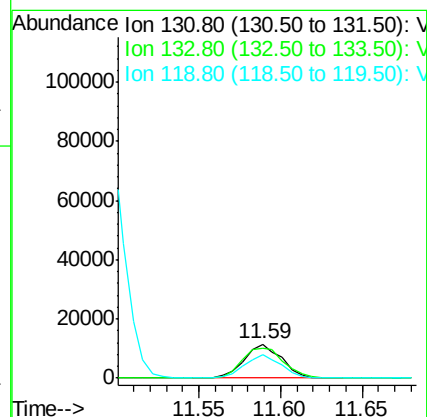
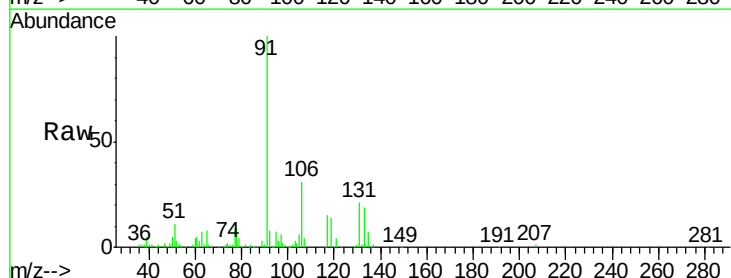
Tgt Ion:131 Resp: 18389

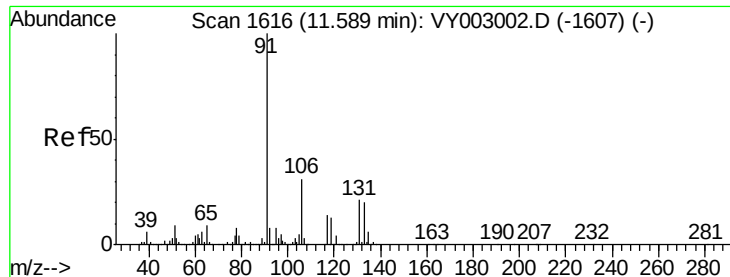
Ion Ratio Lower Upper

131 100

133 101.7 47.9 143.8

119 67.2 31.8 95.3





#67

Ethyl Benzene

Concen: 4.415 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 91 Resp: 86047

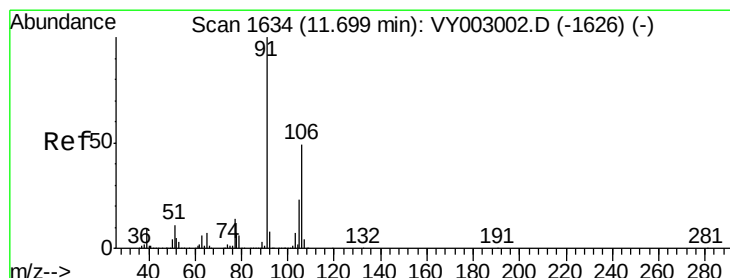
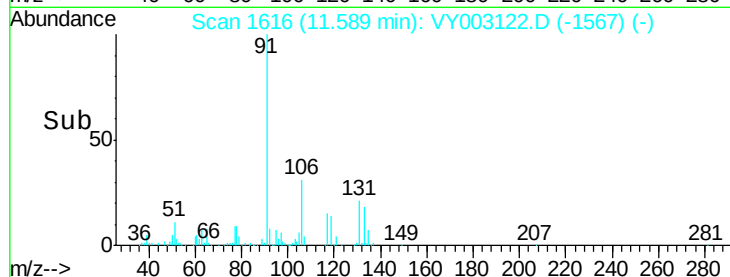
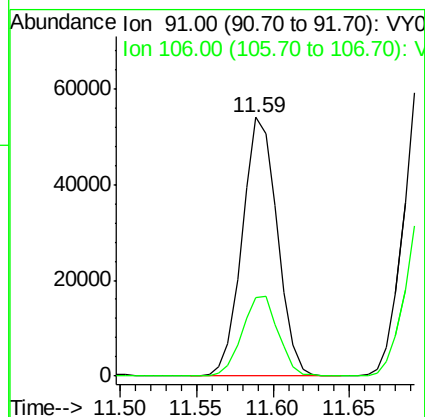
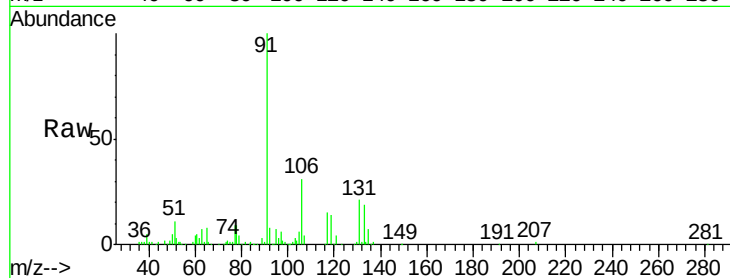
Ion Ratio Lower Upper

91 100

106 30.5 25.0 37.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 9.106 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003122.D

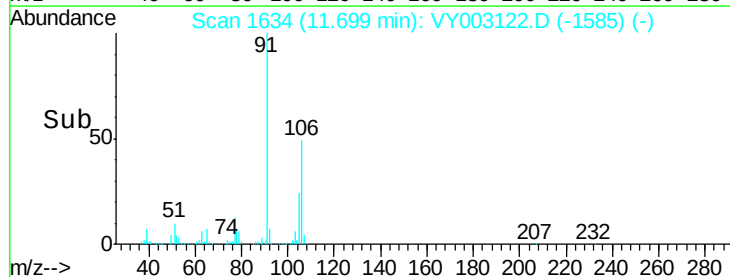
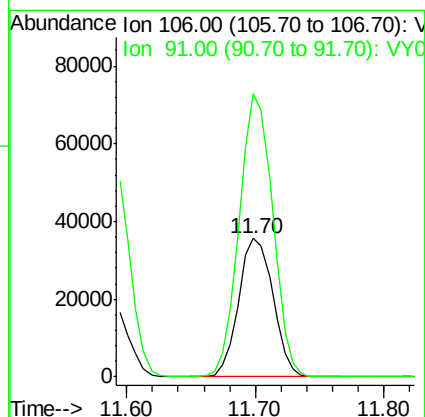
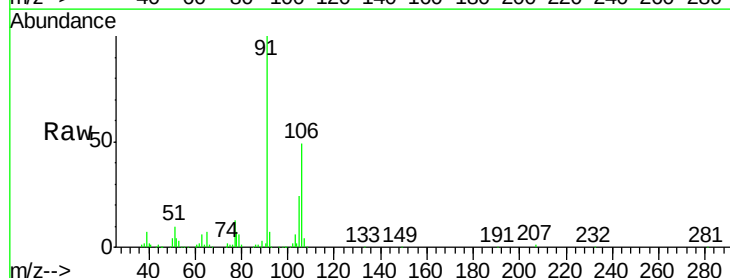
Acq: 07 Jul 2020 13:28

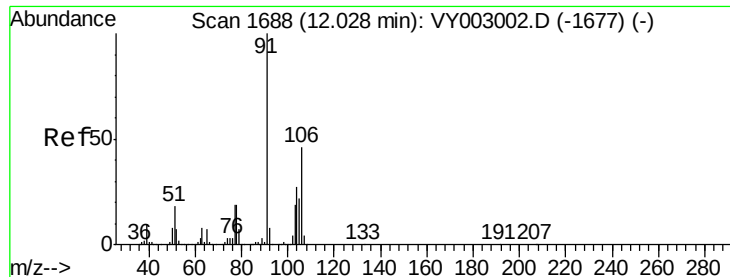
Tgt Ion: 106 Resp: 66042

Ion Ratio Lower Upper

106 100

91 199.1 161.9 242.9





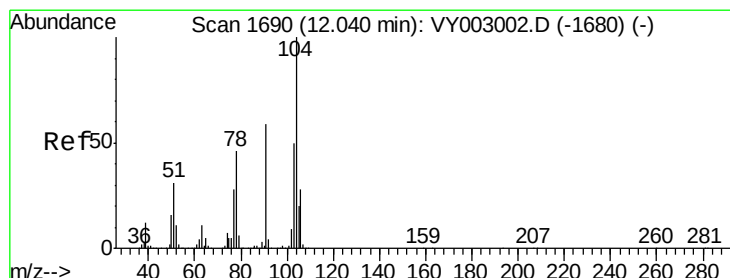
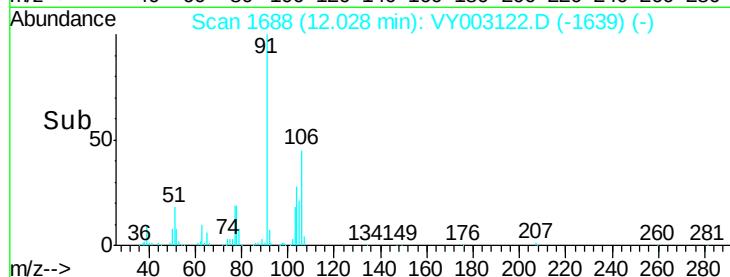
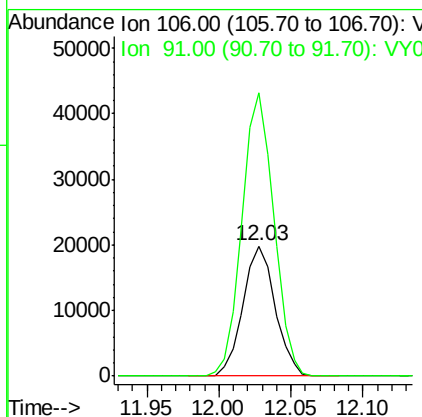
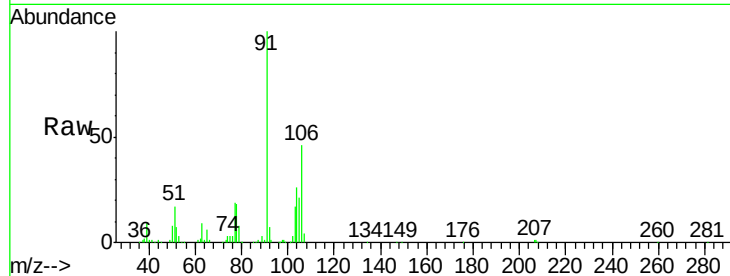
#69
o-Xylene
Concen: 4.503 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.3	107.9	323.8

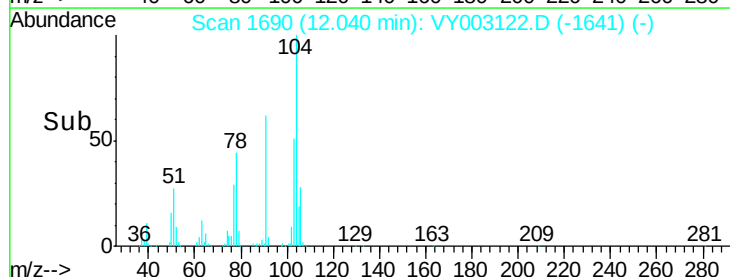
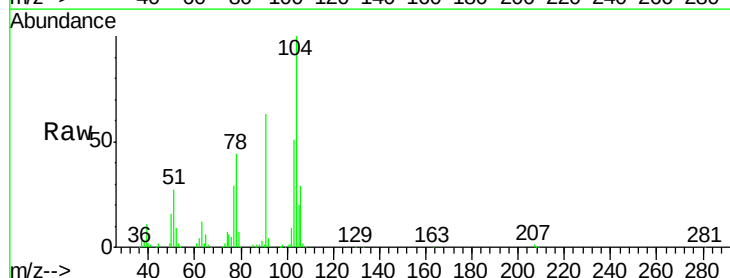
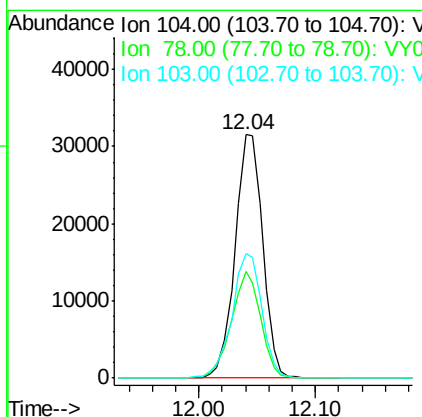
Manual Integrations
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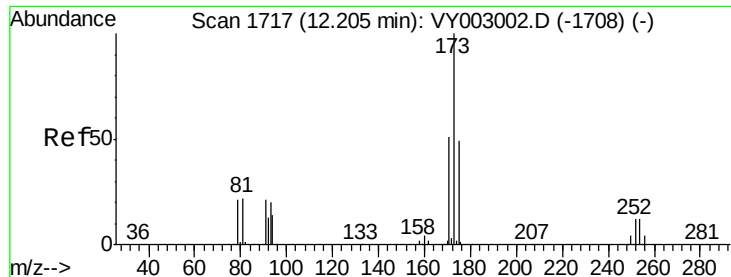
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#70
Styrene
Concen: 4.475 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.3	40.4	60.6
103	54.8	44.1	66.1





#71

Bromoform

Concen: 4.578 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

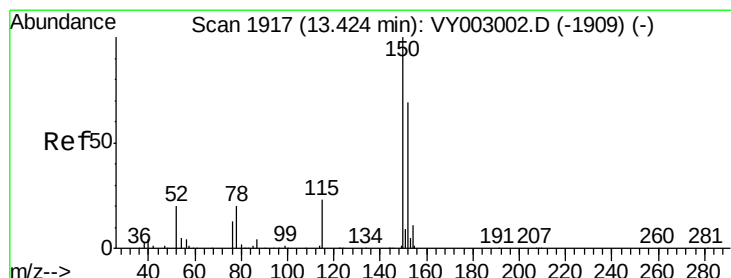
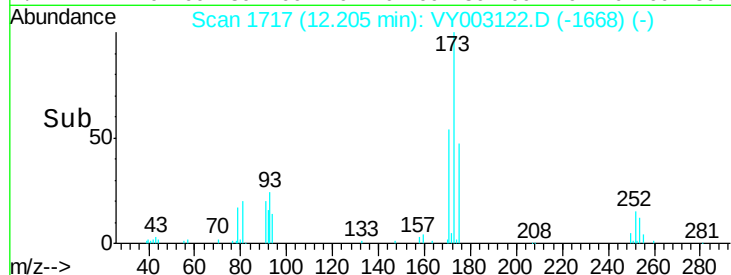
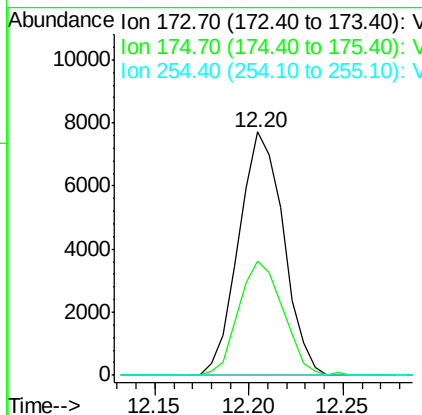
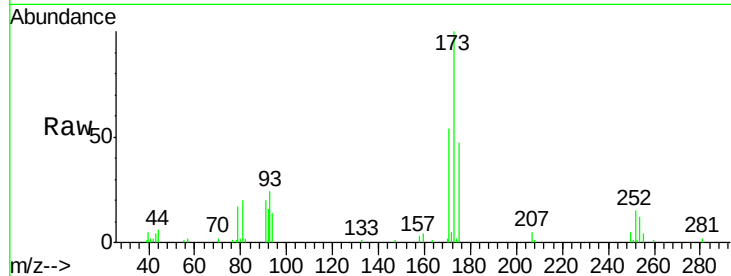
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	173	Resp:	12694
Ion Ratio	Lower	Upper	
173	100		
175	46.8	24.6	73.6
254	0.0	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

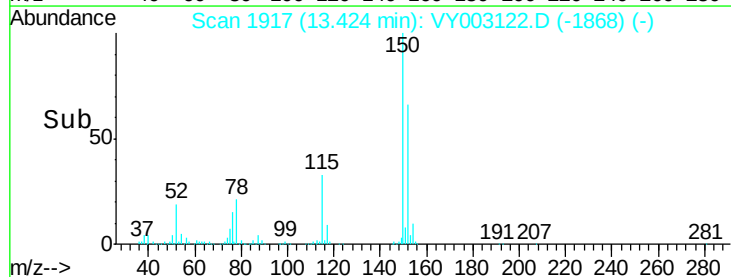
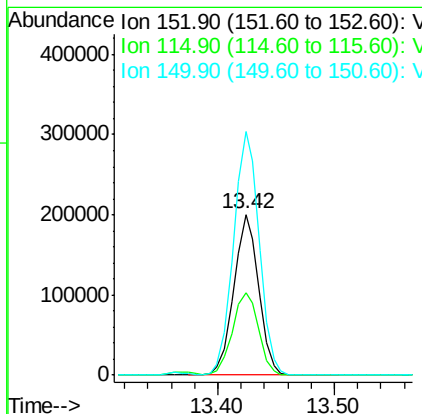
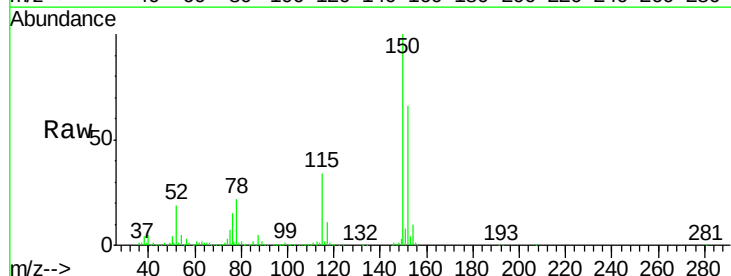
RT: 13.42 min Scan# 1917

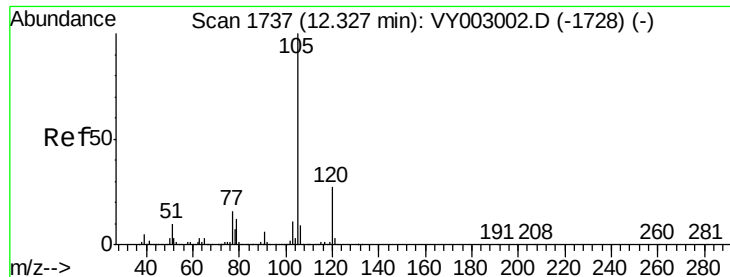
Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Tgt Ion:	152	Resp:	296803
Ion Ratio	Lower	Upper	
152	100		
115	53.8	27.3	81.9
150	156.7	0.0	343.4





#73

Isopropylbenzene

Concen: 4.344 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 105 Resp: 84386

Ion Ratio Lower Upper

105 100

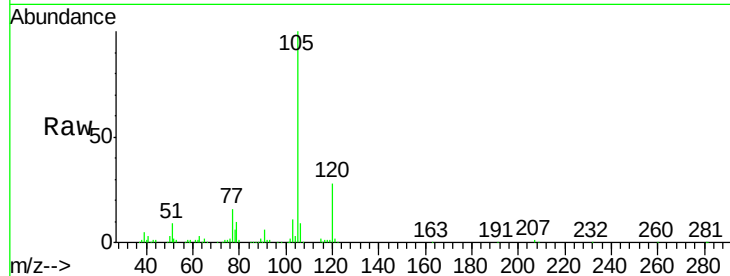
120 27.0 13.4 40.1

Manual Integrations

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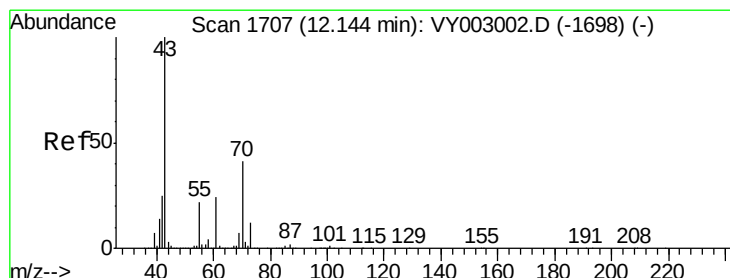
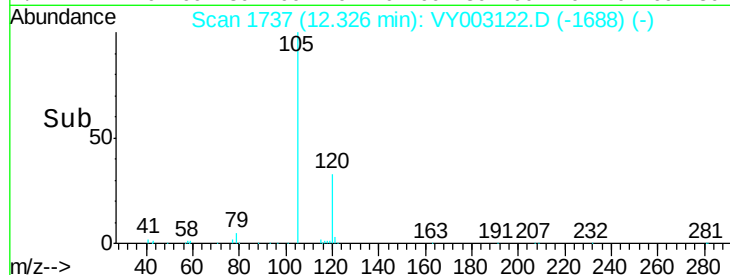
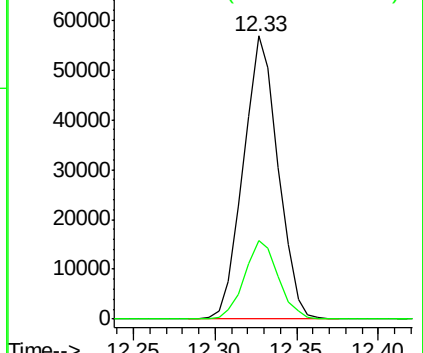
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 3.505 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Tgt Ion: 43 Resp: 22167

Ion Ratio Lower Upper

43 100

70 45.3 33.0 49.4

55 28.0 18.2 27.2#

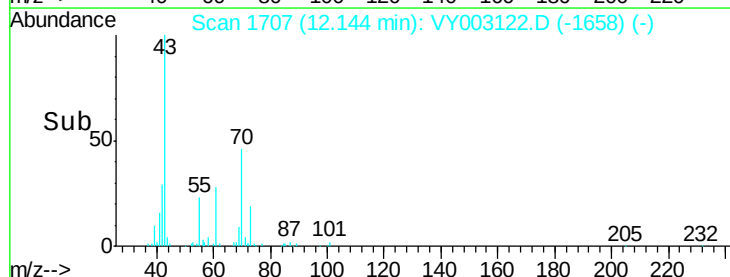
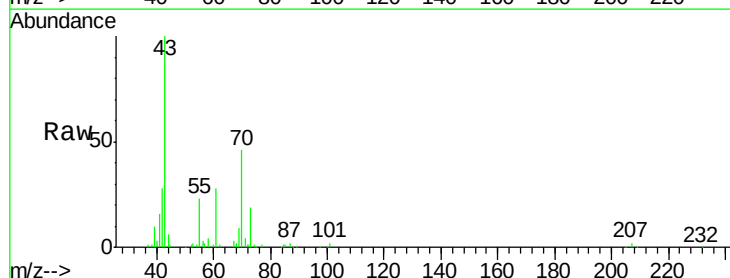
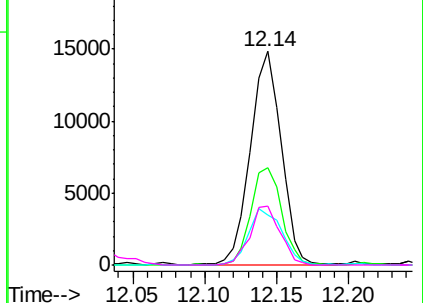
61 26.7 19.4 29.2

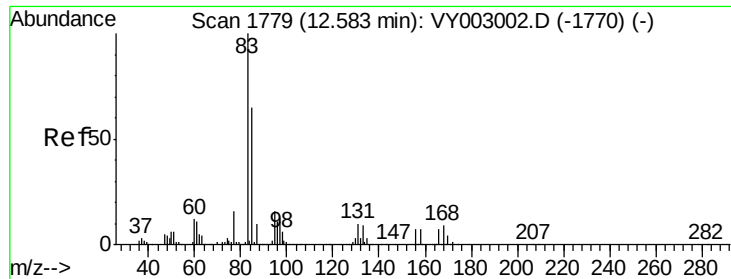
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.356 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

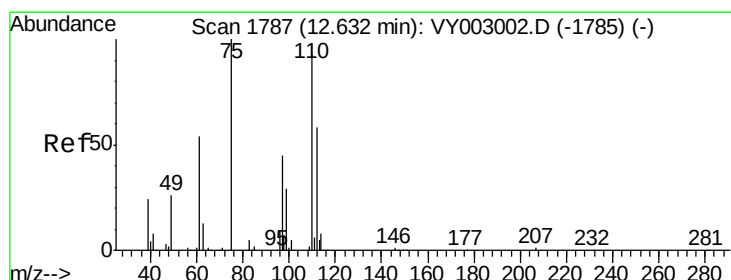
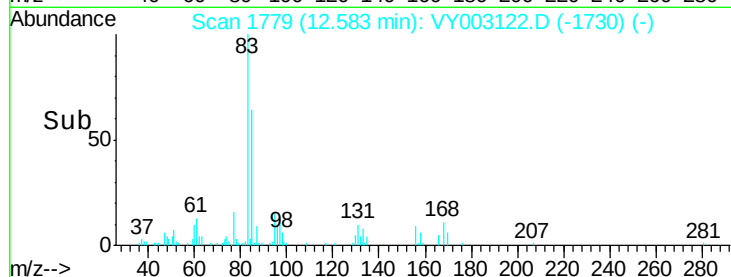
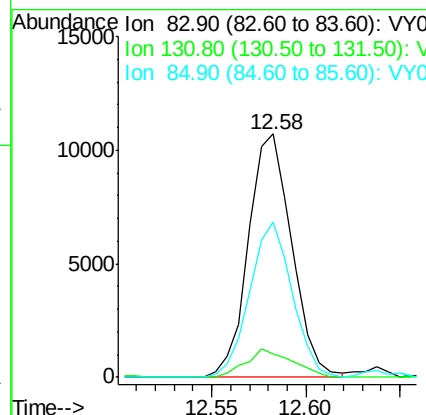
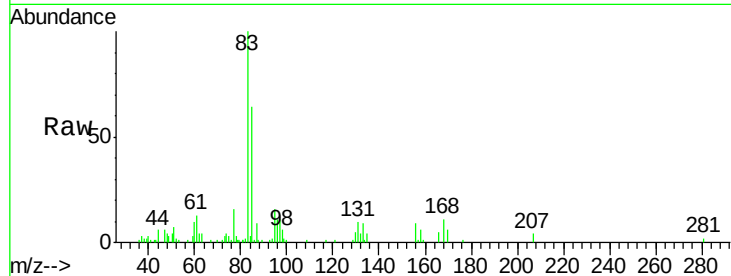
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	83	Resp:	17077
Ion Ratio	Lower	Upper	
83	100		
131	12.4	5.3	16.1
85	62.9	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.518 ug/l m

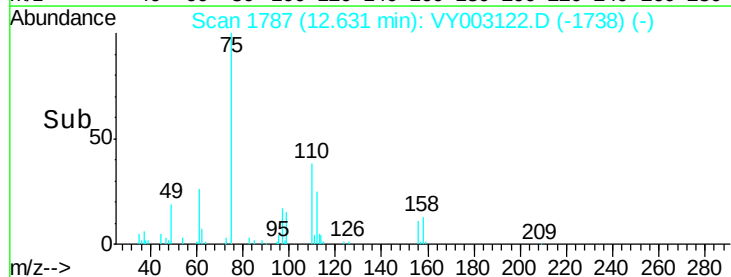
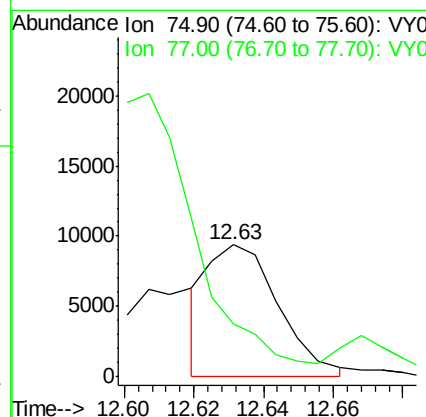
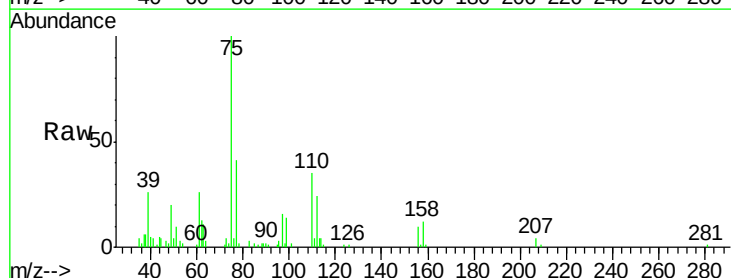
RT: 12.63 min Scan# 1787

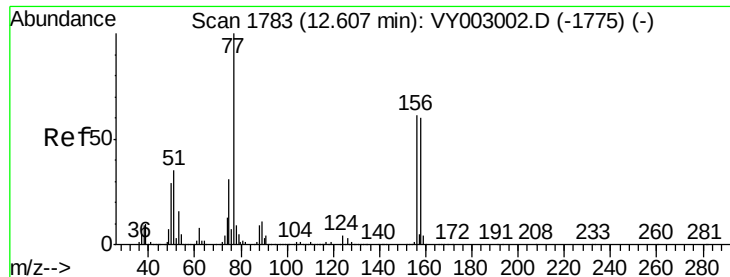
Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Tgt Ion:	75	Resp:	13272
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.592 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:156 Resp: 22868

Ion Ratio Lower Upper

156 100

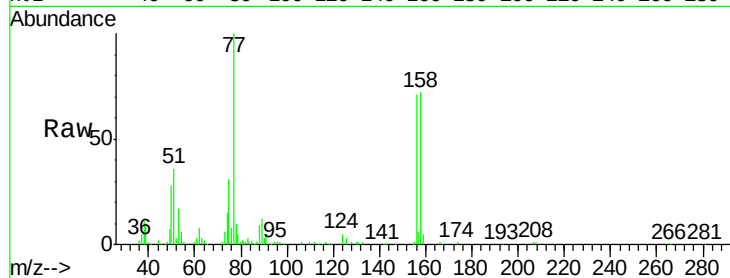
77 167.7 90.0 270.0

158 97.1 48.5 145.5

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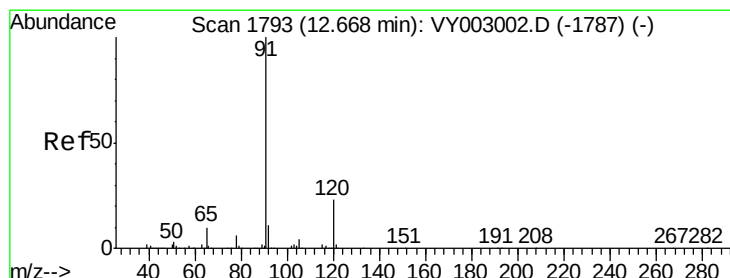
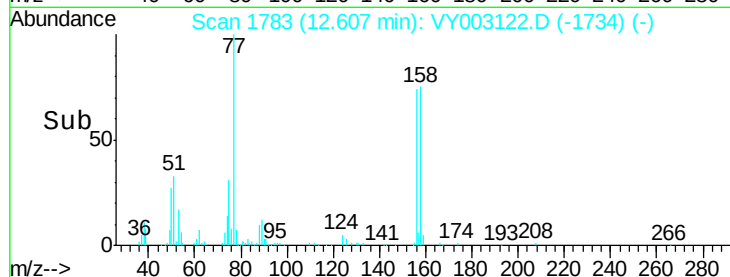
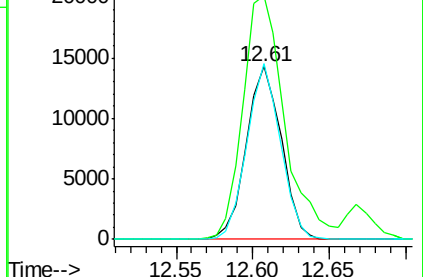
7/8/2020 12:20:41 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.355 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY003122.D

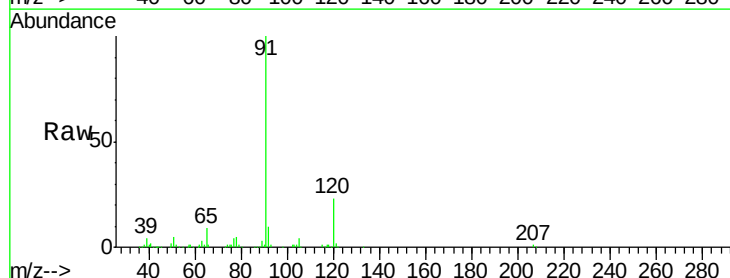
Acq: 07 Jul 2020 13:28

Tgt Ion: 91 Resp: 101743

Ion Ratio Lower Upper

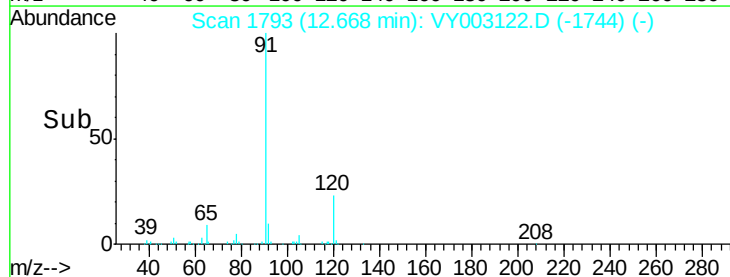
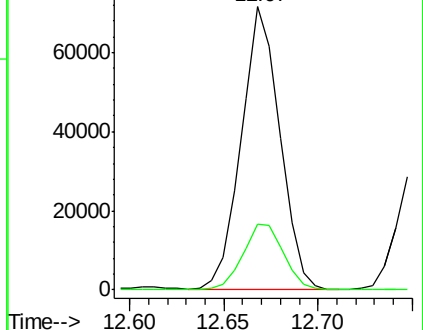
91 100

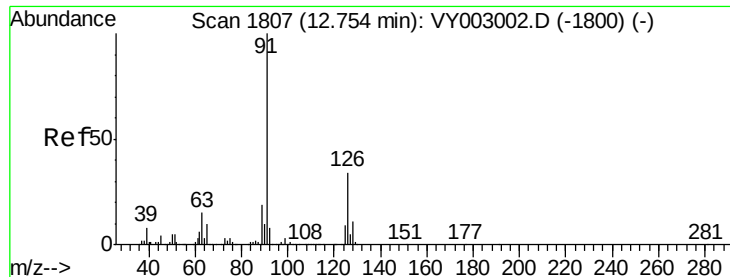
120 24.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.414 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 91 Resp: 57554

Ion Ratio Lower Upper

91 100

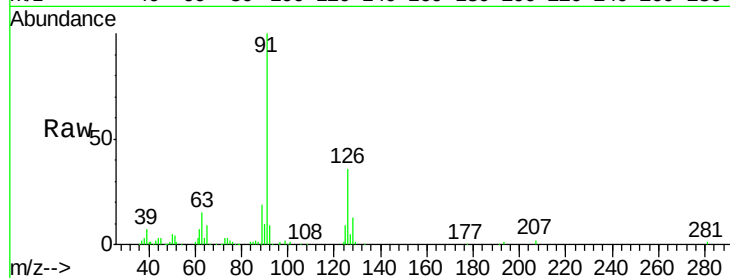
126 34.7 17.1 51.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY003122.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY003122.D (-1758) (-)

60000

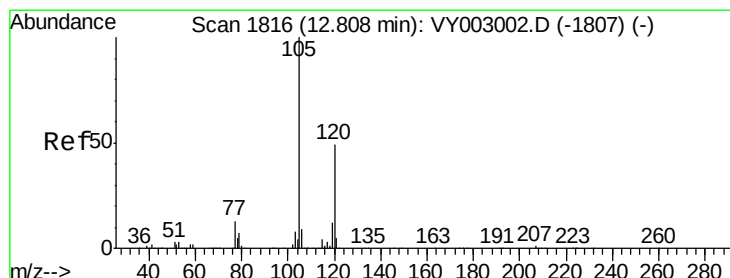
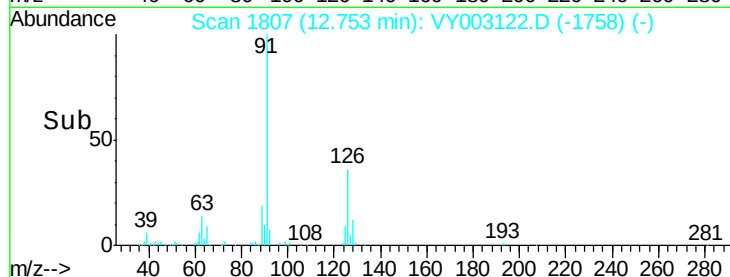
40000

20000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.458 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003122.D

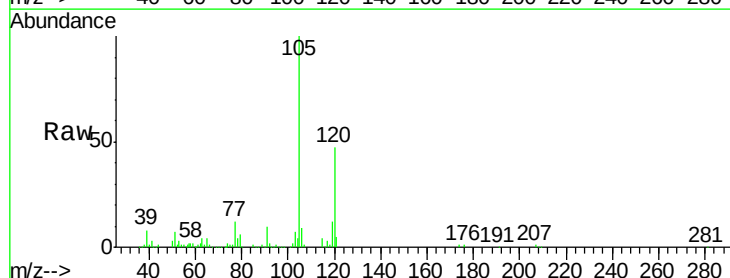
Acq: 07 Jul 2020 13:28

Tgt Ion: 105 Resp: 72664

Ion Ratio Lower Upper

105 100

120 47.9 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VY003122.D (-1767) (-)

Ion 120.00 (119.70 to 120.70): VY003122.D (-1767) (-)

50000

40000

30000

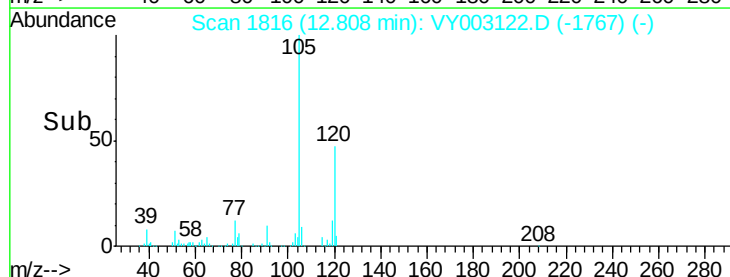
20000

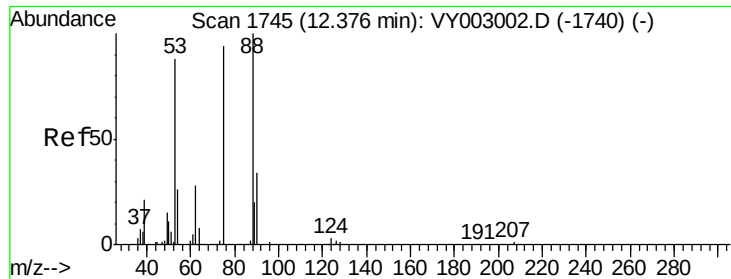
10000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 3.948 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

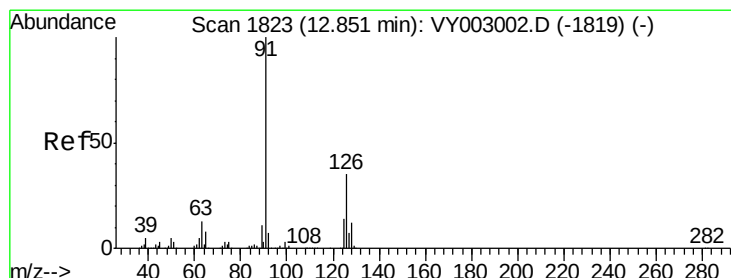
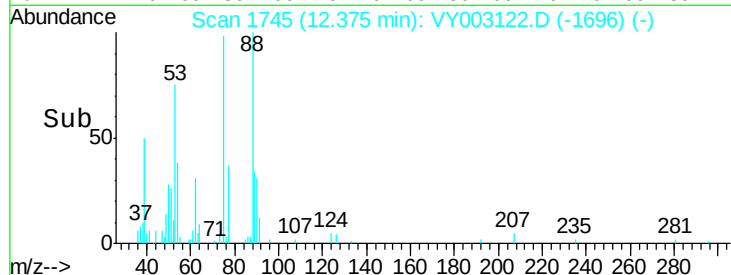
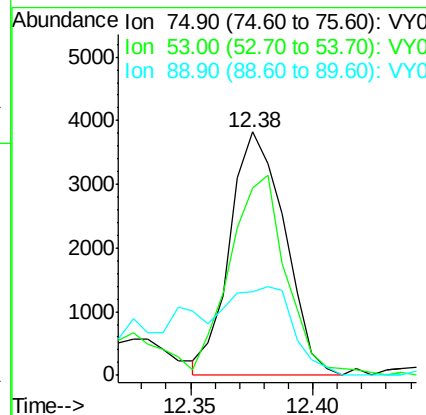
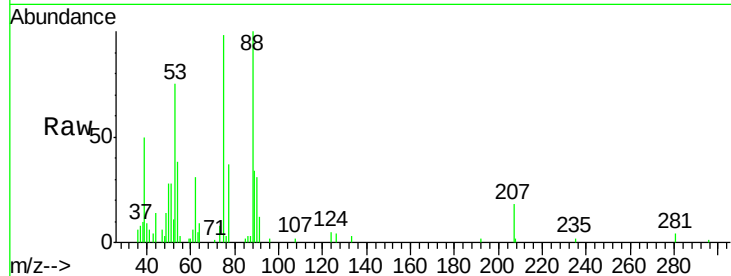
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	75	Resp:	5960
Ion	Ratio	Lower	Upper
75	100		
53	85.3	73.9	110.9
89	44.9	37.5	56.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.470 ug/l

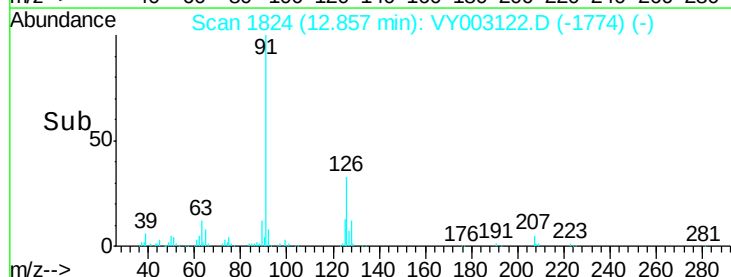
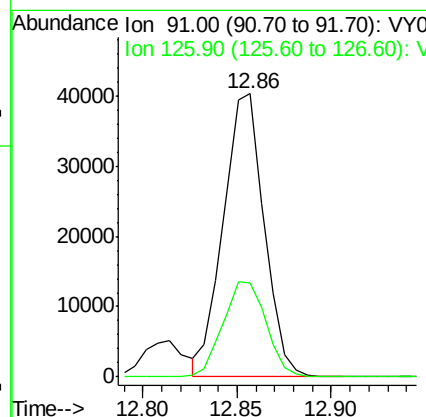
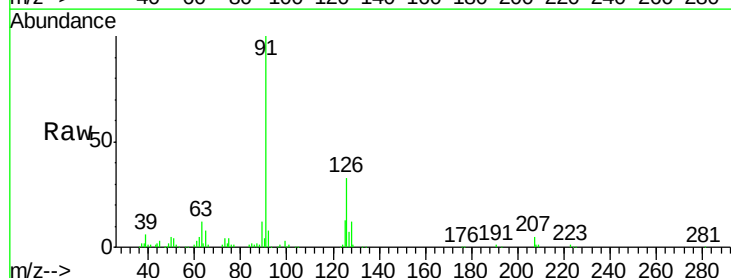
RT: 12.86 min Scan# 1824

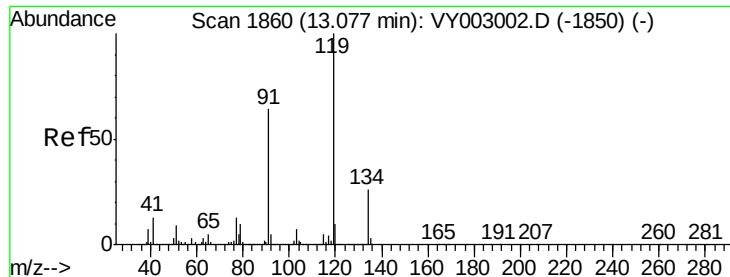
Delta R.T. 0.01 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Tgt Ion:	91	Resp:	60679
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.4	52.3





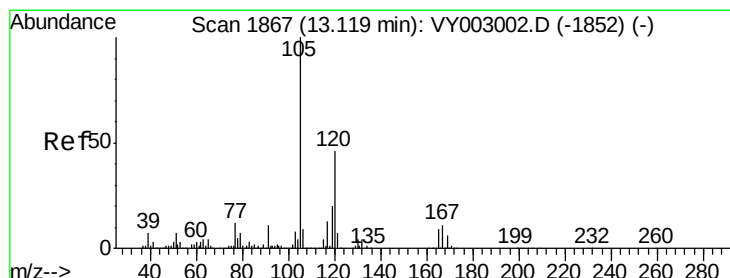
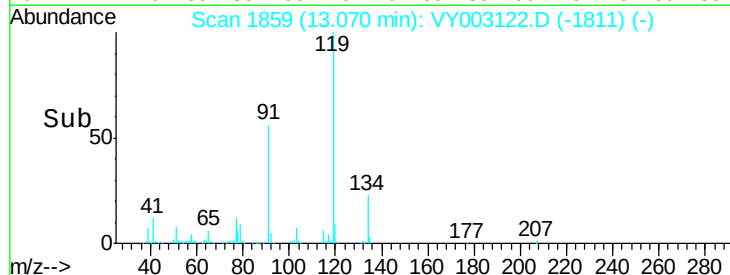
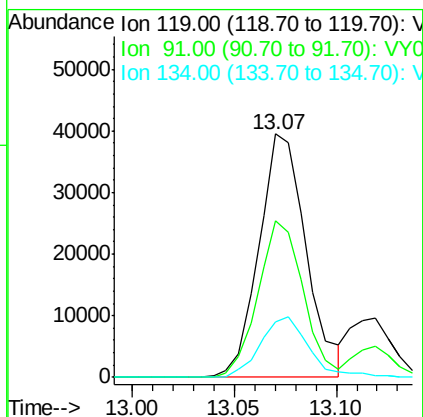
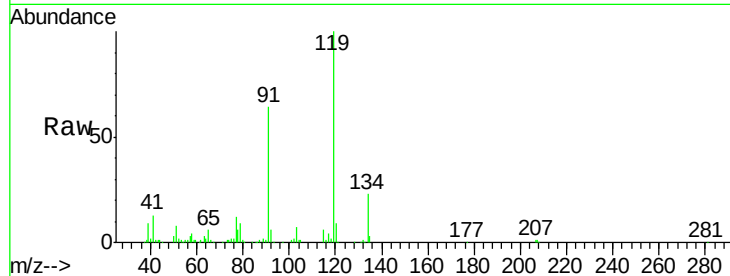
#83
 tert-Butylbenzene
 Concen: 4.451 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.01 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	31.6	95.0
134	25.7	13.2	39.5

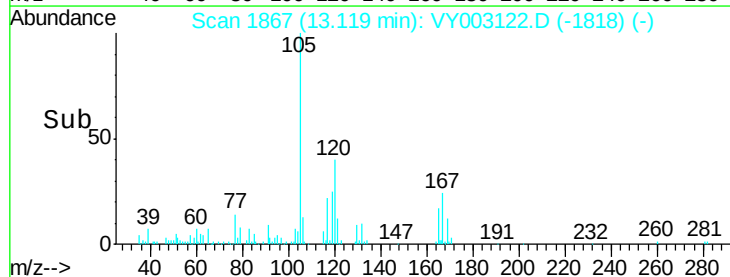
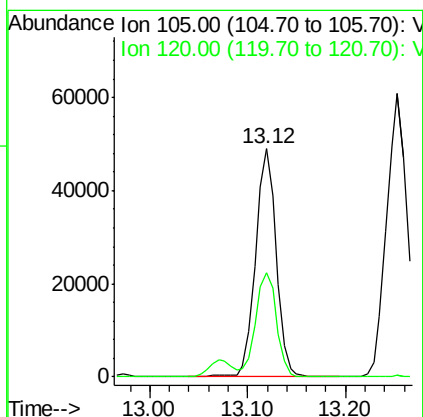
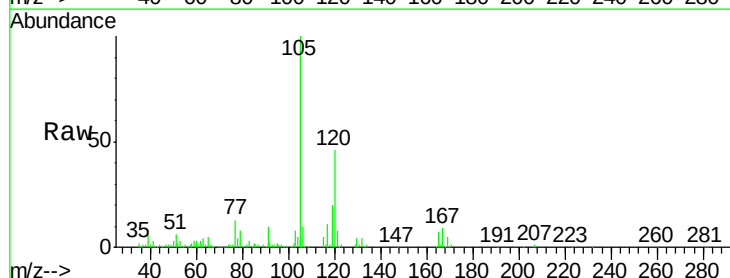
Manual Integrations
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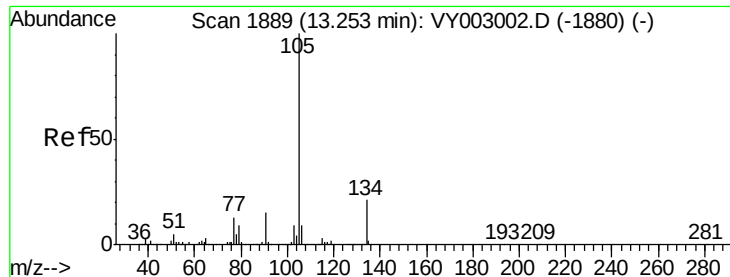
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.359 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.6	67.8





#85

sec-Butylbenzene

Concen: 4.473 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:105 Resp: 88241

Ion Ratio Lower Upper

105 100

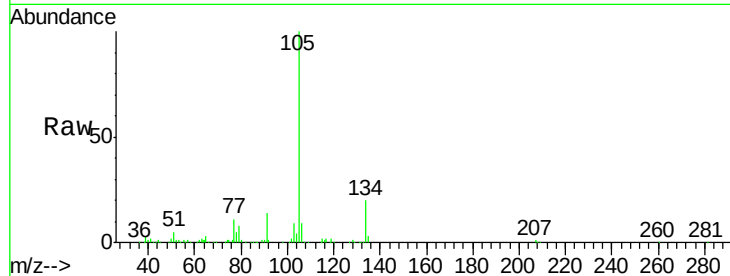
134 20.8 10.4 31.2

Manual Integrations

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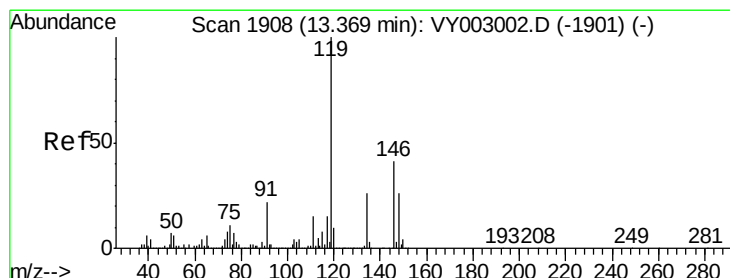
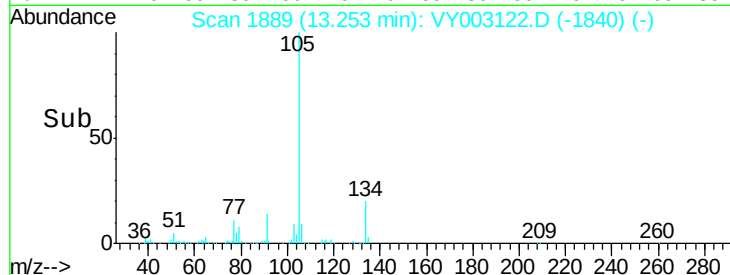
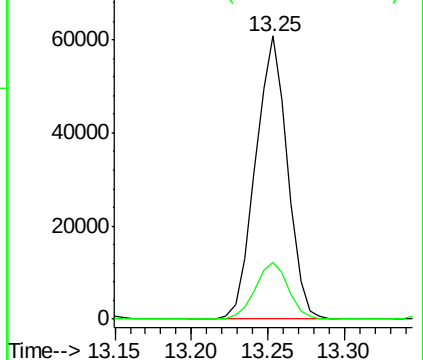
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.370 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

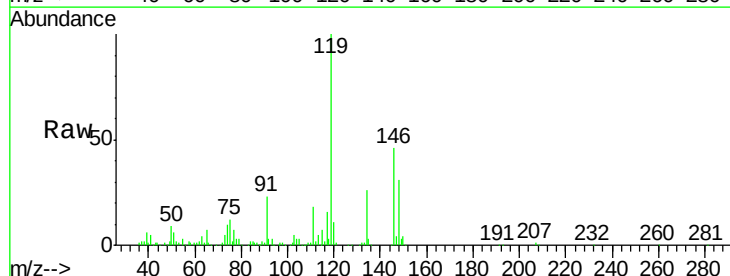
Tgt Ion:119 Resp: 79887

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

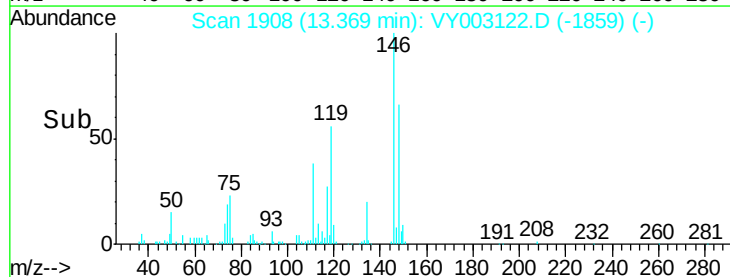
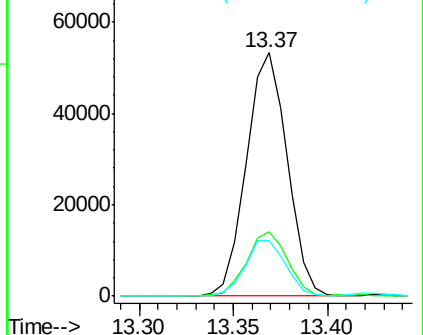
91 23.0 11.5 34.5

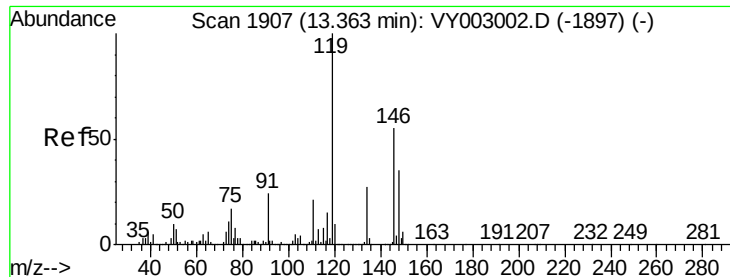


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 4.587 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

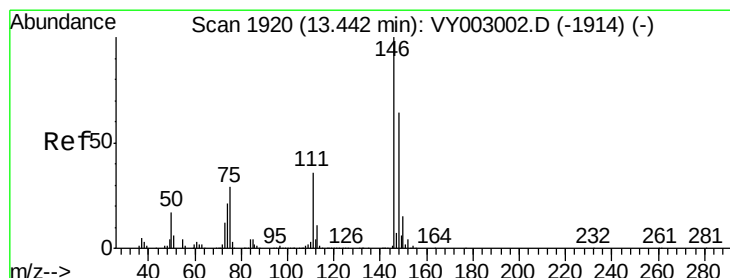
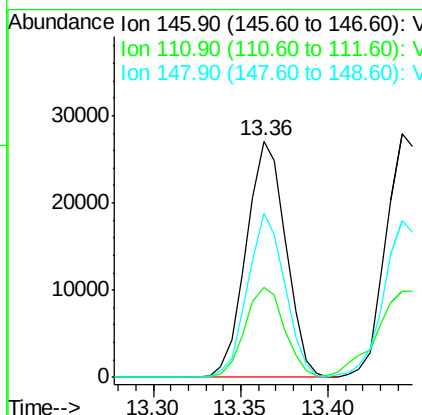
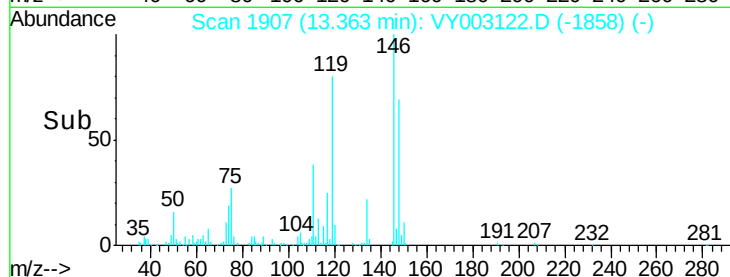
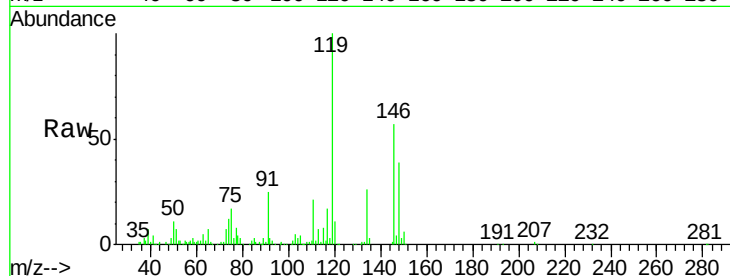
Instrument :
MSVOA_Y

ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.3
148	65.4	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 4.725 ug/l

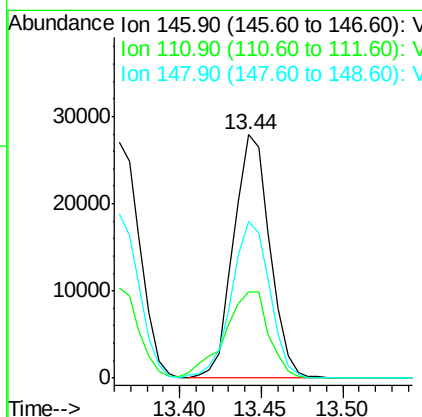
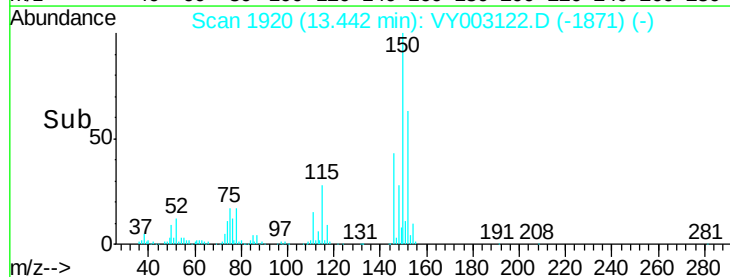
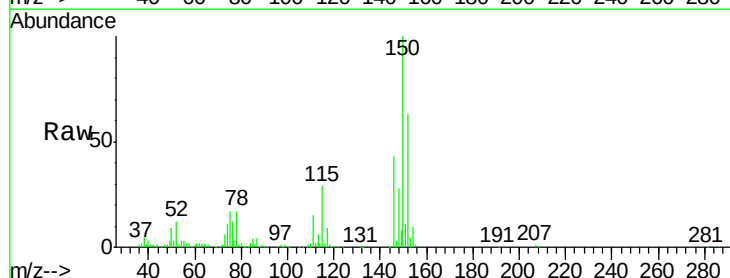
RT: 13.44 min Scan# 1920

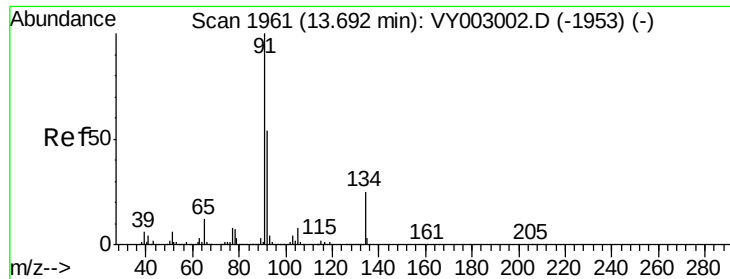
Delta R.T. -0.00 min

Lab File: VY003122.D

Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	18.4	55.4
148	67.9	32.3	96.9





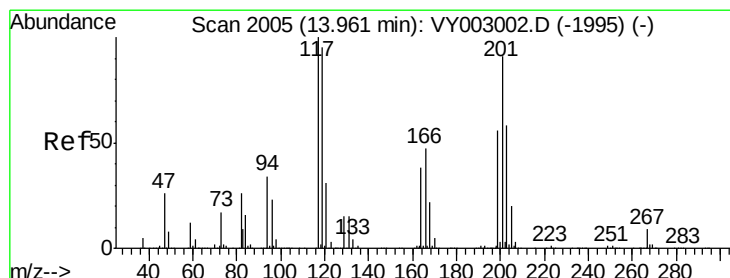
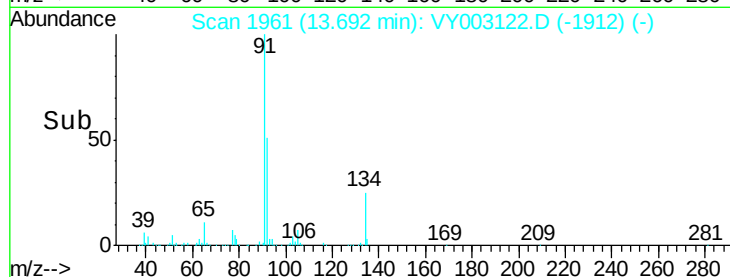
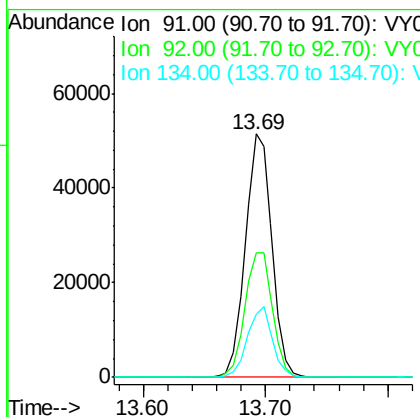
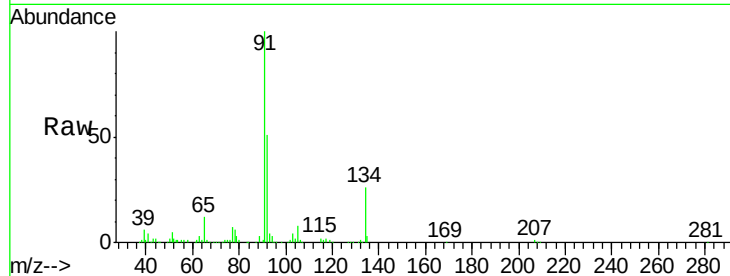
#89
n-Butylbenzene
Concen: 4.411 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.8	80.3
134	27.4	13.1	39.1

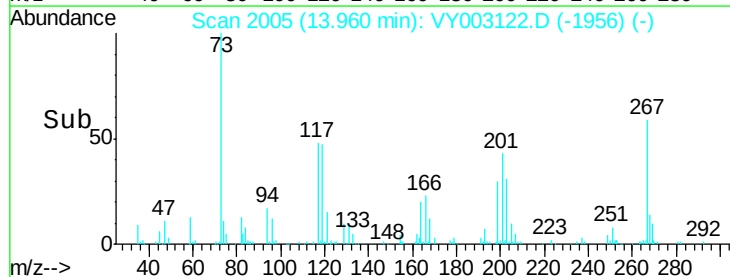
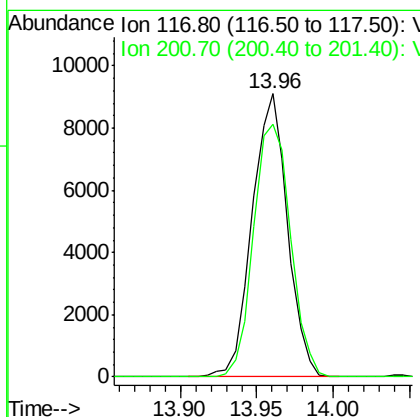
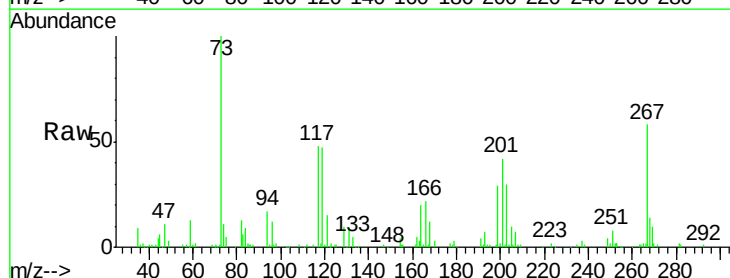
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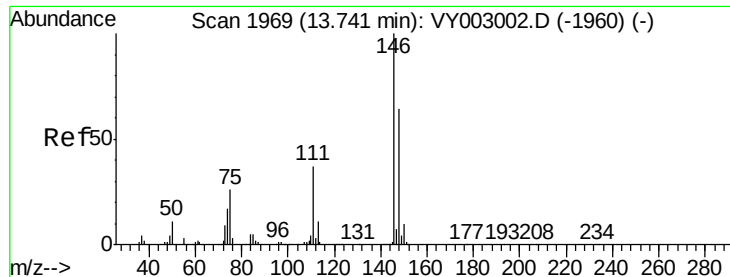
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#90
Hexachloroethane
Concen: 4.021 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.9	45.5	136.4





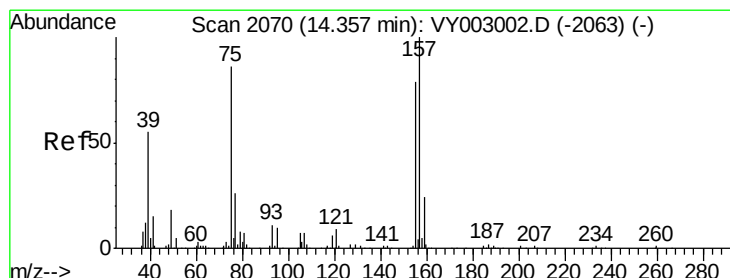
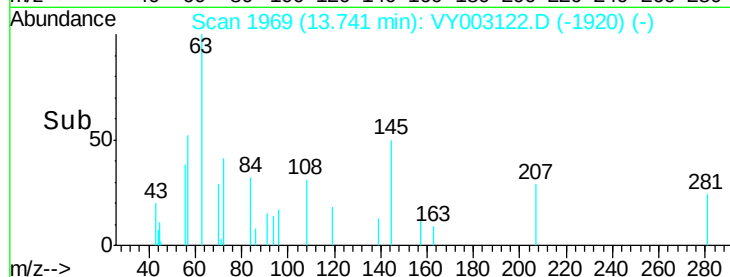
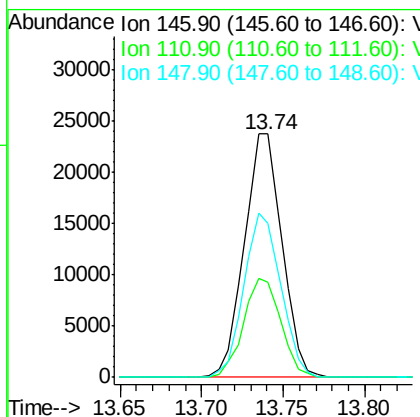
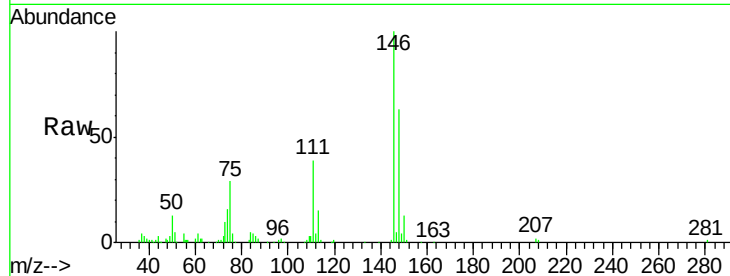
#91
 1,2-Dichlorobenzene
 Concen: 4.589 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.1	57.5
148	65.9	31.8	95.3

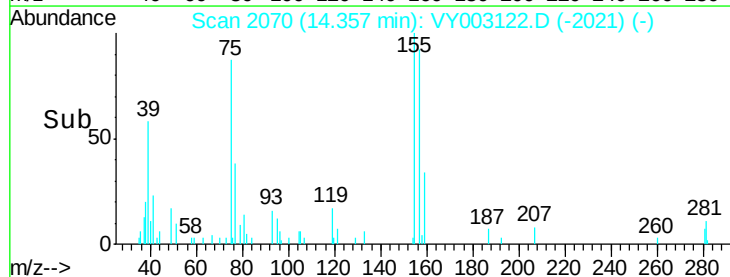
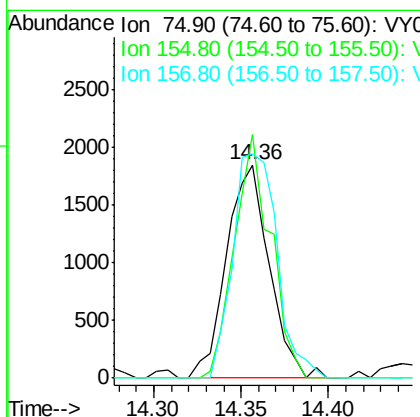
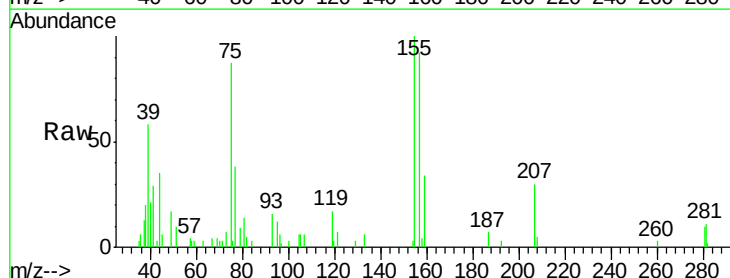
Manual Integrations
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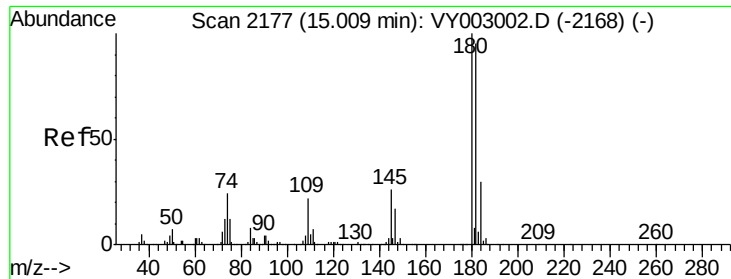
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 7/8/2020 12:20:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.535 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY003122.D
 Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	46.5	139.3
157	109.6	59.2	177.5





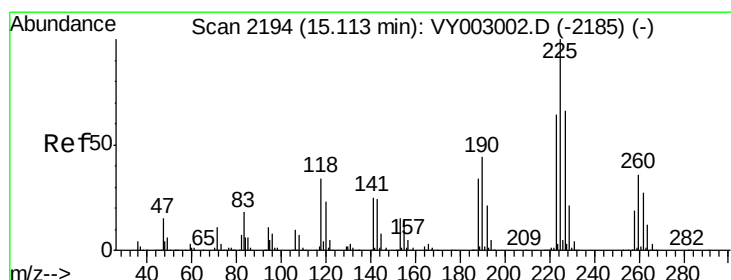
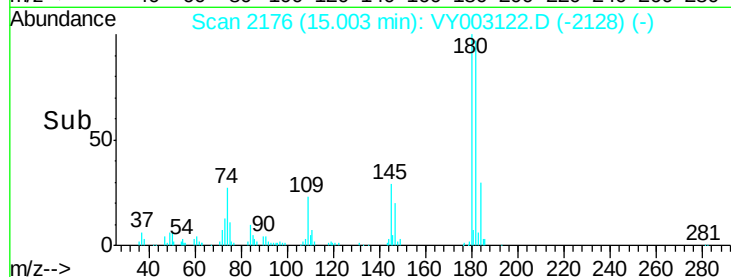
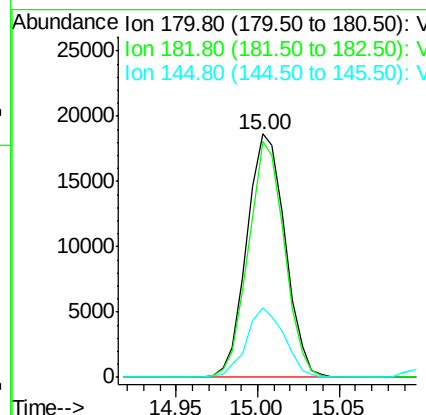
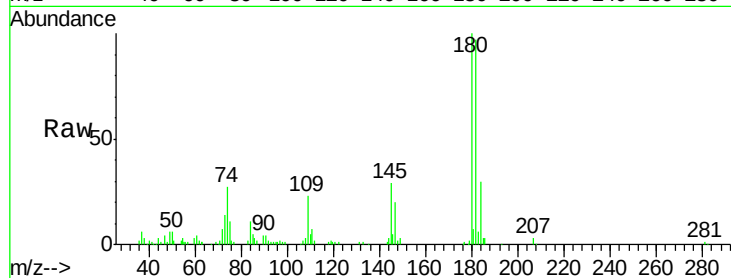
#93
1,2,4-Trichlorobenzene
Concen: 4.937 ug/l
RT: 15.00 min Scan# 2176
Delta R.T. -0.01 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.0	48.1	144.3
145	28.3	13.9	41.6

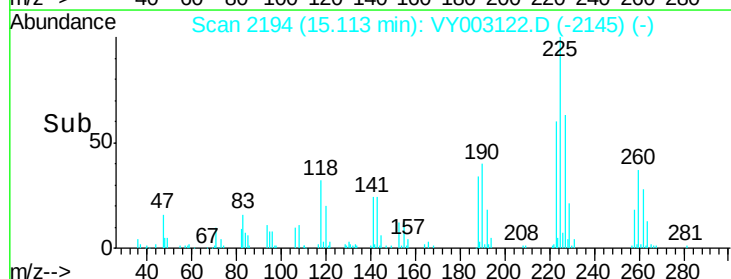
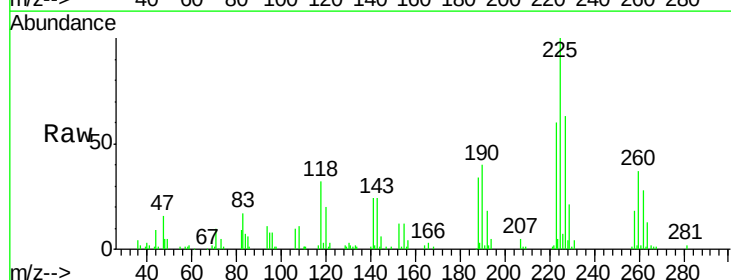
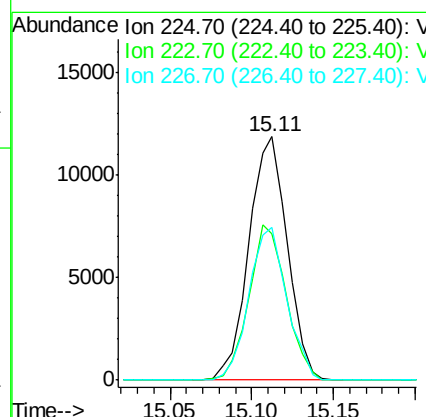
Manual Integrations
APPROVED

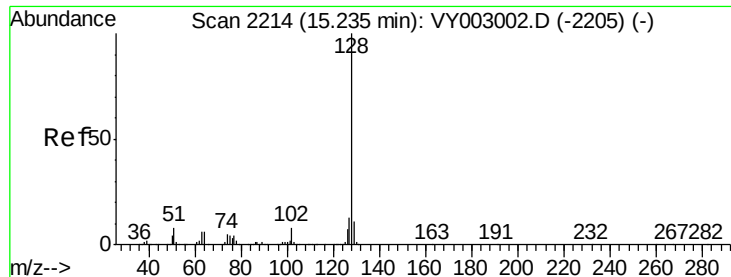
MMDadoda
7/8/2020 12:20:41 PM



#94
Hexachlorobutadiene
Concen: 4.964 ug/l
RT: 15.11 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	32.4	97.0
227	61.8	32.4	97.2





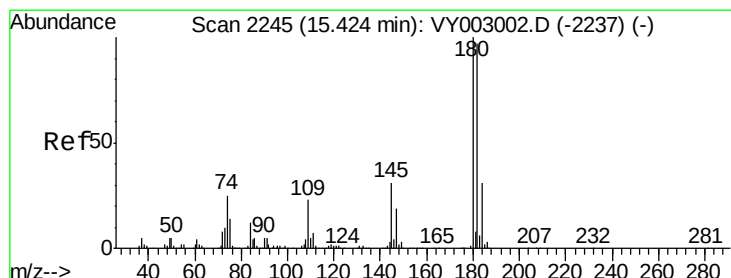
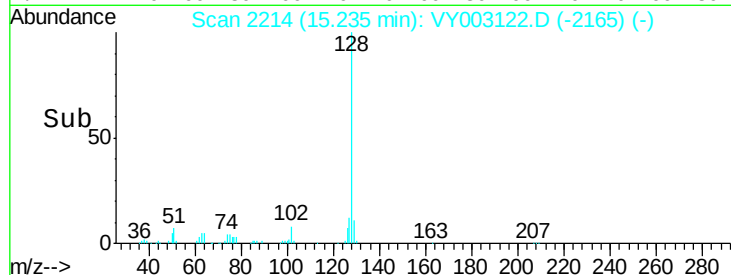
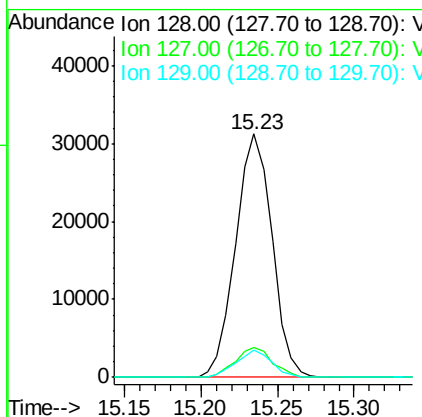
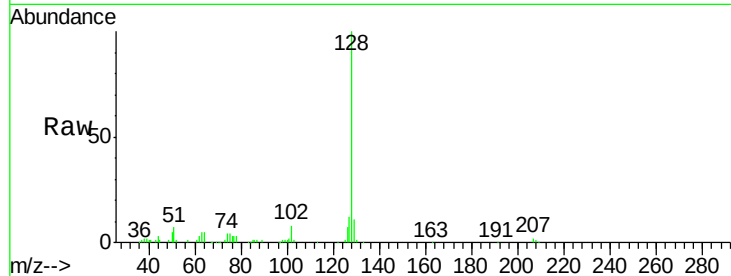
#95
Naphthalene
Concen: 4.558 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.8	16.2
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/8/2020 12:20:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.635 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.01 min
Lab File: VY003122.D
Acq: 07 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.8	143.3
145	29.7	14.7	44.1

