

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
 Data File : VY003121.D
 Acq On : 07 Jul 2020 13:05
 Operator : SY/MD
 Sample : L3216-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:20:38 PM

Quant Time: Jul 08 04:45:34 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	423491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	608449	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	554414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	295420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	204583	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
35) Dibromofluoromethane	7.72	113	201762	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
50) Toluene-d8	10.18	98	735538	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.48	95	257810	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	9649	3.009 ug/l	100
3) Chloromethane	2.12	50	15626	3.327 ug/l	98
4) Vinyl Chloride	2.26	62	12900	2.816 ug/l	95
5) Bromomethane	2.65	94	10636	3.419 ug/l	87
6) Chloroethane	2.80	64	8069	2.769 ug/l	90
7) Trichlorofluoromethane	3.13	101	17790	2.751 ug/l	91
8) Diethyl Ether	3.54	74	6181	2.788 ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.91	101	10809	2.800 ug/l	93
10) Methyl Iodide	4.10	142	12818	2.677 ug/l	97
11) Tert butyl alcohol	4.96	59	4142	9.663 ug/l	100
12) 1,1-Dichloroethene	3.88	96	10240	2.788 ug/l	85
13) Acrolein	3.73	56	4246	11.029 ug/l	96
14) Allyl chloride	4.49	41	14571	2.272 ug/l	96
15) Acrylonitrile	5.18	53	13772	12.055 ug/l	98
16) Acetone	3.96	43	12994	13.099 ug/l	94
17) Carbon Disulfide	4.20	76	30743	2.619 ug/l #	95
18) Methyl Acetate	4.49	43	8845	3.310 ug/l #	90
19) Methyl tert-butyl Ether	5.22	73	27464	2.565 ug/l	93
20) Methylene Chloride	4.72	84	22406	4.047 ug/l #	76
21) trans-1,2-Dichloroethene	5.22	96	11439	2.753 ug/l	89
22) Diisopropyl ether	6.12	45	31846	2.317 ug/l	93
23) Vinyl Acetate	6.07	43	89232	9.709 ug/l	96
24) 1,1-Dichloroethane	6.03	63	19403	2.584 ug/l	98
25) 2-Butanone	6.99	43	17702	11.234 ug/l	93
26) 2,2-Dichloropropane	6.99	77	18256	2.676 ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	12694	2.724 ug/l	92
28) Bromochloromethane	7.34	49	8539	2.556 ug/l	88
29) Tetrahydrofuran	7.35	42	11727	11.191 ug/l	96
30) Chloroform	7.51	83	19904	2.676 ug/l	97
31) Cyclohexane	7.80	56	24741	3.344 ug/l #	60
32) 1,1,1-Trichloroethane	7.71	97	17126	2.522 ug/l	99
36) 1,1-Dichloropropene	7.92	75	14936	2.548 ug/l	96
37) Ethyl Acetate	7.08	43	8583	2.436 ug/l #	94
38) Carbon Tetrachloride	7.90	117	16585	2.720 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	18939	2.606	ug/l	98
40) Benzene	8.17	78	43759	2.727	ug/l	99
41) Methacrylonitrile	7.33	41	6089m	3.235	ug/l	
42) 1,2-Dichloroethane	8.24	62	13677	2.694	ug/l	97
43) Isopropyl Acetate	8.28	43	15656	2.337	ug/l	92
44) Trichloroethene	8.94	130	13272	2.846	ug/l	94
45) 1,2-Dichloropropane	9.22	63	11453	2.653	ug/l	90
46) Dibromomethane	9.31	93	6552	2.718	ug/l	100
47) Bromodichloromethane	9.50	83	15085	2.555	ug/l #	98
48) Methyl methacrylate	9.29	41	6807	2.232	ug/l	93
49) 1,4-Dioxane	9.29	88	1700	57.762	ug/l #	92
51) 4-Methyl-2-Pentanone	10.07	43	38771	11.198	ug/l	99
52) Toluene	10.24	92	28003	2.772	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	14848	2.399	ug/l	93
54) cis-1,3-Dichloropropene	9.93	75	17325	2.447	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	8664	2.586	ug/l	98
56) Ethyl methacrylate	10.51	69	10773	2.221	ug/l	96
57) 1,3-Dichloropropane	10.79	76	15105	2.568	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	30991	12.460	ug/l	93
59) 2-Hexanone	10.83	43	26742	11.050	ug/l	100
60) Dibromochloromethane	10.99	129	10847	2.530	ug/l	99
61) 1,2-Dibromoethane	11.09	107	8490	2.570	ug/l	94
64) Tetrachloroethene	10.72	164	14811	3.156	ug/l	92
65) Chlorobenzene	11.52	112	30579	2.797	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.59	131	10494	2.459	ug/l	90
67) Ethyl Benzene	11.59	91	52482	2.624	ug/l	99
68) m/p-Xylenes	11.70	106	40607	5.455	ug/l	95
69) o-Xylene	12.03	106	18204	2.595	ug/l	98
70) Styrene	12.04	104	30366	2.534	ug/l	97
71) Bromoform	12.20	173	7393	2.598	ug/l #	99
73) Isopropylbenzene	12.33	105	51322	2.654	ug/l	99
74) N-amyl acetate	12.14	43	12750	2.026	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	9867	2.529	ug/l	90
76) 1,2,3-Trichloropropane	12.63	75	7345m	2.512	ug/l	
77) Bromobenzene	12.61	156	13245	2.672	ug/l	95
78) n-propylbenzene	12.67	91	61323	2.637	ug/l	99
79) 2-Chlorotoluene	12.75	91	34064	2.625	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	42509	2.620	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	3541m	2.356	ug/l	
82) 4-Chlorotoluene	12.85	91	36818	2.725	ug/l	99
83) tert-Butylbenzene	13.08	119	37719	2.648	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	42260	2.585	ug/l	96
85) sec-Butylbenzene	13.25	105	51510	2.623	ug/l	98
86) p-Isopropyltoluene	13.37	119	47436	2.607	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	26391	2.852	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	27898	3.057	ug/l	89
89) n-Butylbenzene	13.69	91	46656	2.680	ug/l	98
90) Hexachloroethane	13.96	117	8559	2.369	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	23912	2.880	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2196	3.179	ug/l	83

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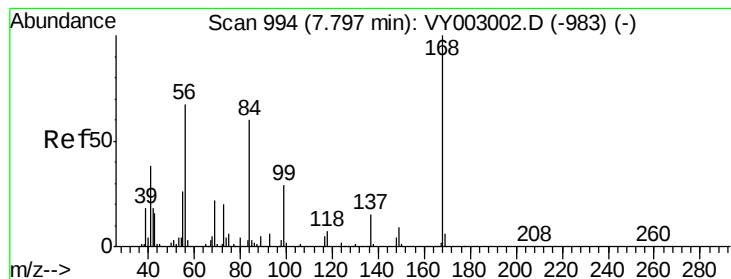
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	20090	3.256	ug/l	99
94) Hexachlorobutadiene	15.11	225	12083	3.105	ug/l	98
95) Naphthalene	15.23	128	34640	3.074	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	16972	3.168	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: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:168 Resp: 423491

Ion Ratio Lower Upper

168 100

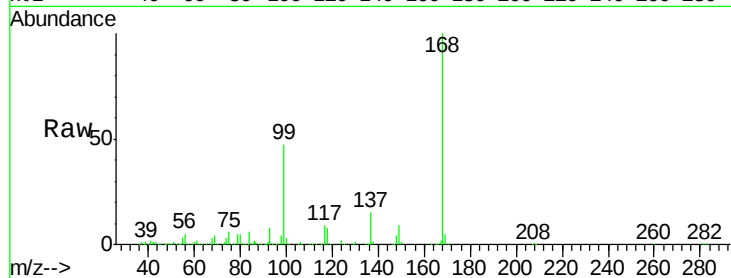
99 47.5 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY003121.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003121.D (-945) (-)

7.80

200000

150000

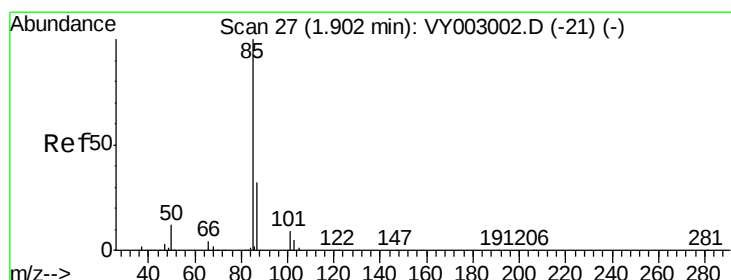
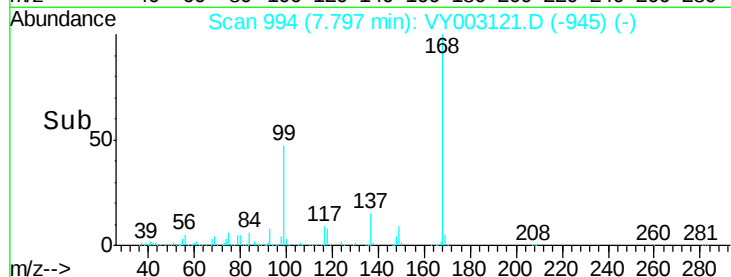
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 3.009 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003121.D

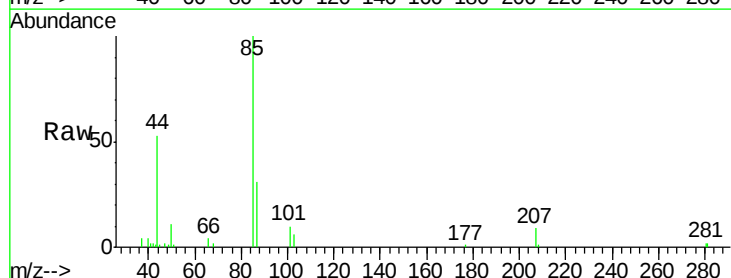
Acq: 07 Jul 2020 13:05

Tgt Ion: 85 Resp: 9649

Ion Ratio Lower Upper

85 100

87 31.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY003121.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003121.D (-1) (-)

1.91

6000

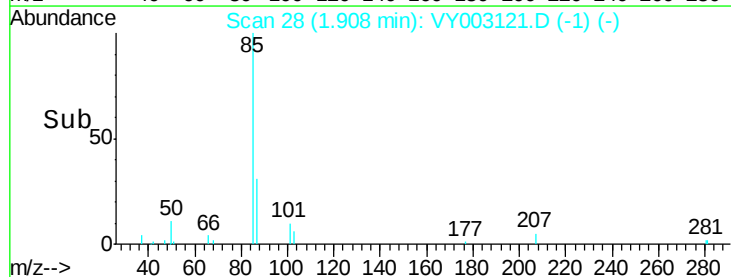
4000

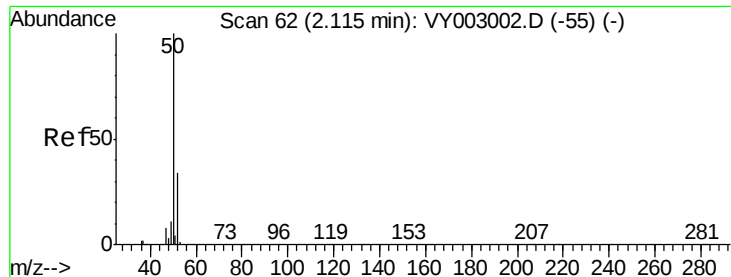
2000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 3.327 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 50 Resp: 15626

Ion Ratio Lower Upper

50 100

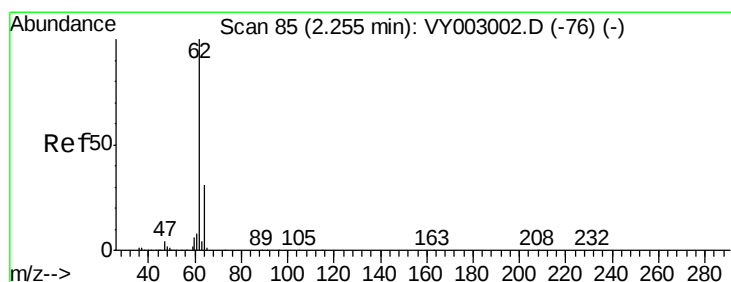
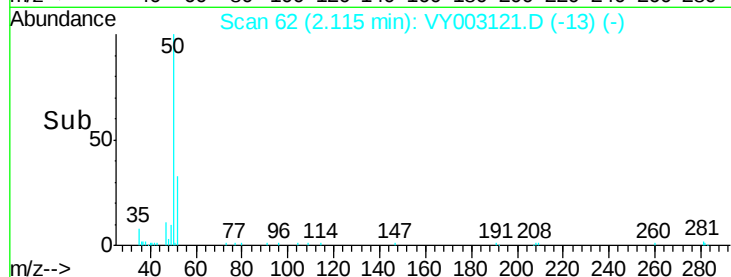
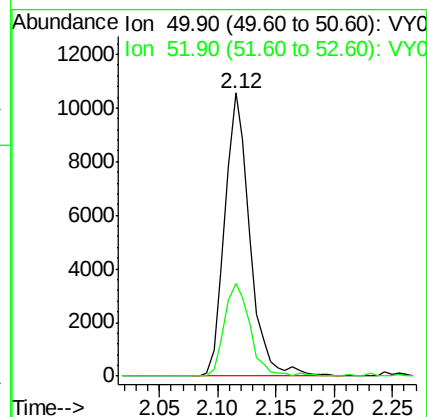
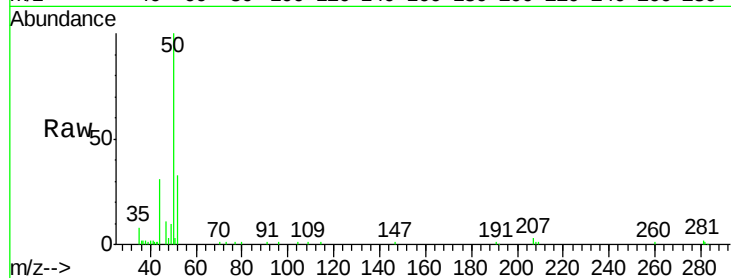
52 32.6 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.816 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003121.D

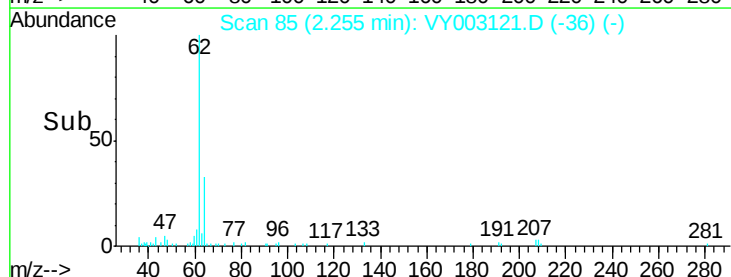
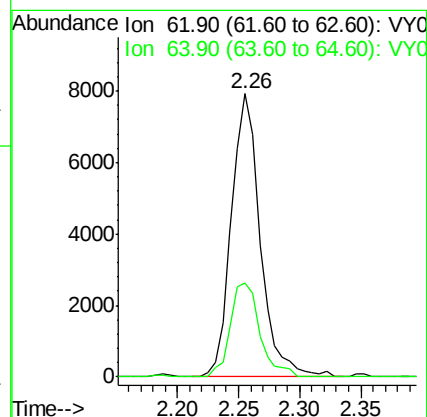
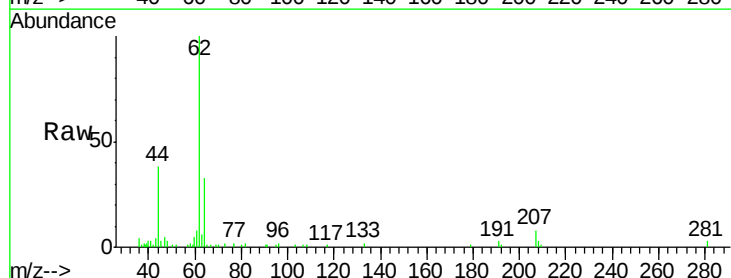
Acq: 07 Jul 2020 13:05

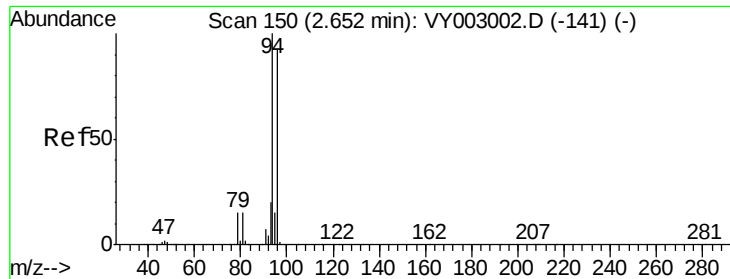
Tgt Ion: 62 Resp: 12900

Ion Ratio Lower Upper

62 100

64 33.0 24.4 36.6





#5

Bromomethane

Concen: 3.419 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 94 Resp: 10636

Ion Ratio Lower Upper

94 100

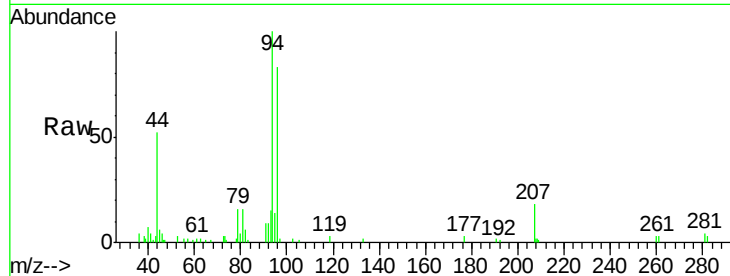
96 79.5 73.4 110.2

Manual Integrations

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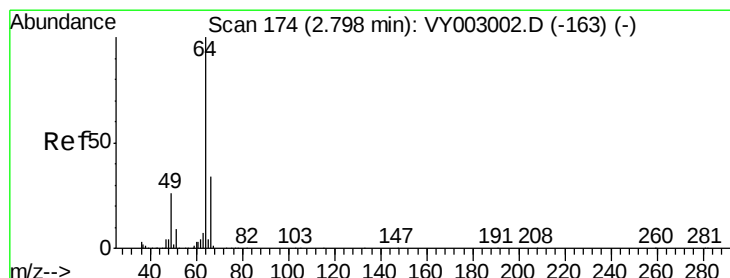
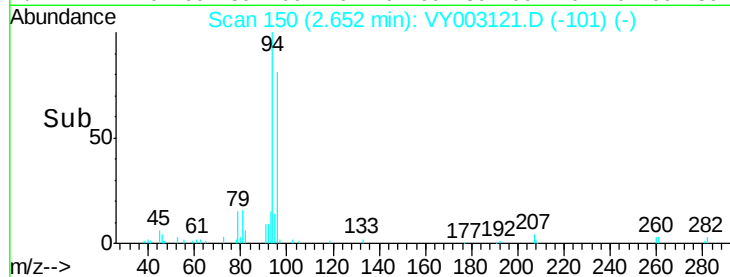
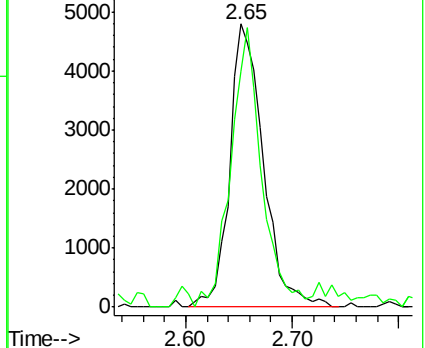
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 2.769 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY003121.D

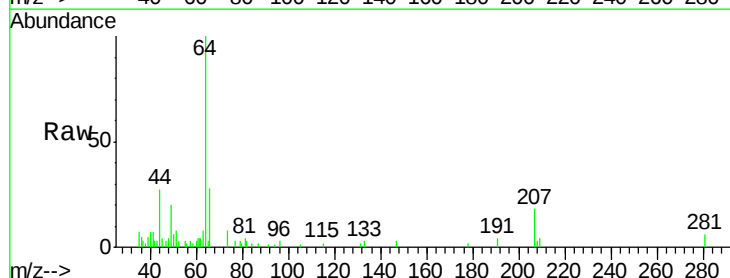
Acq: 07 Jul 2020 13:05

Tgt Ion: 64 Resp: 8069

Ion Ratio Lower Upper

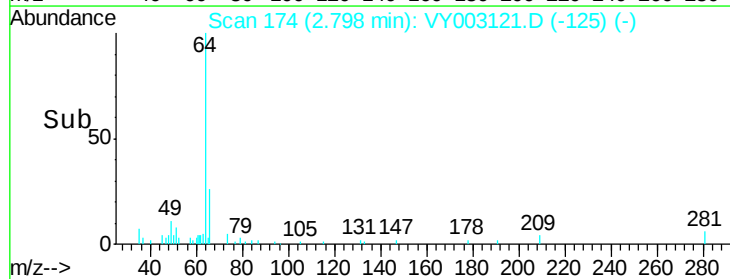
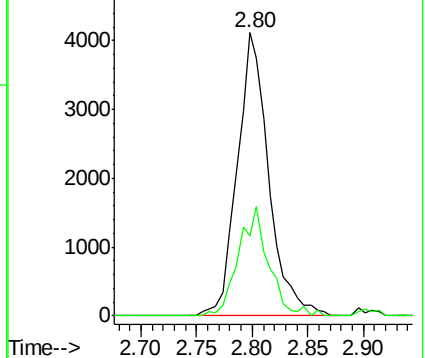
64 100

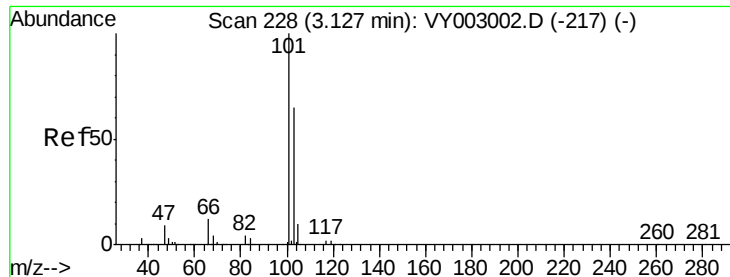
66 28.1 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

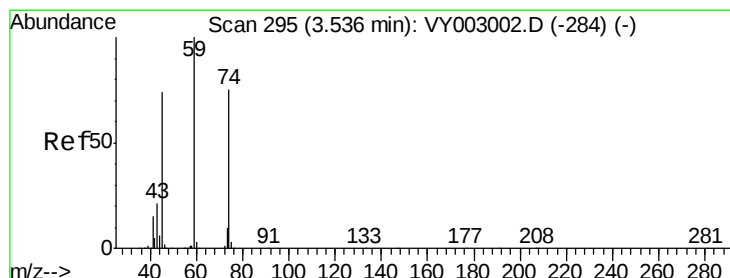
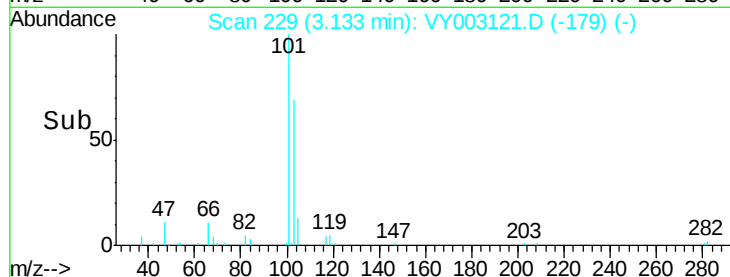
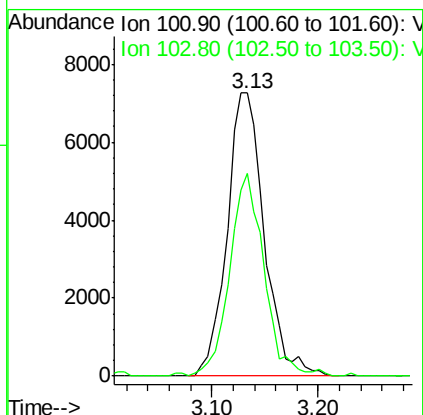
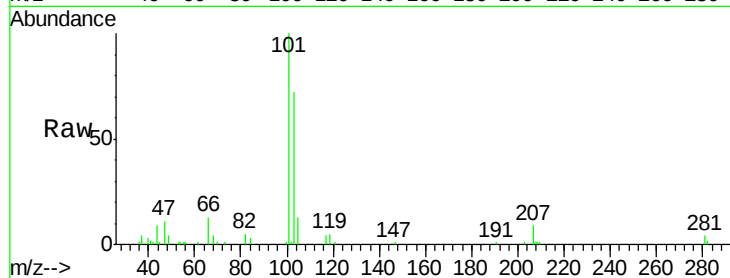
Trichlorofluoromethane
Concen: 2.751 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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Tot Ion	Ratio	Lower	Upper
101	100		
103	71.6	51.6	77.4

Manual Integrations
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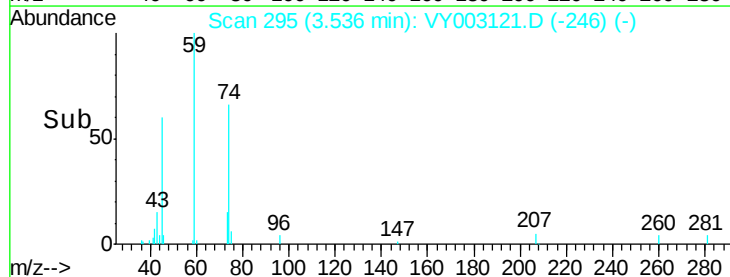
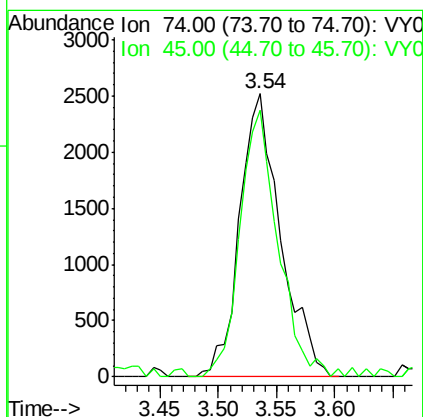
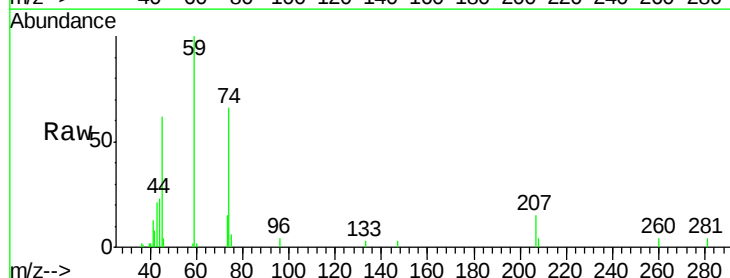
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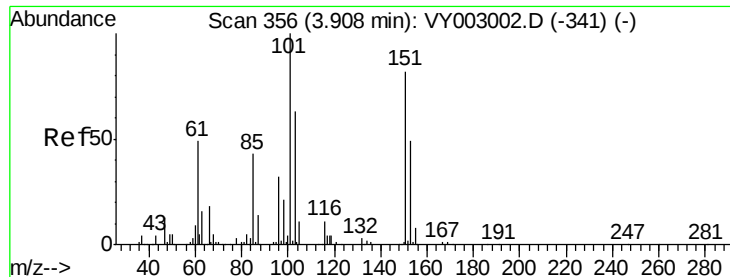


#8

Diethyl Ether
Concen: 2.788 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.6	49.3	147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.800 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

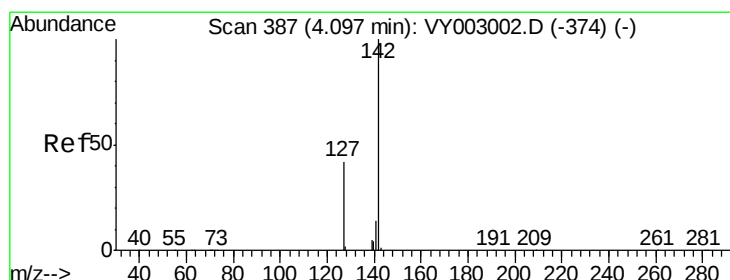
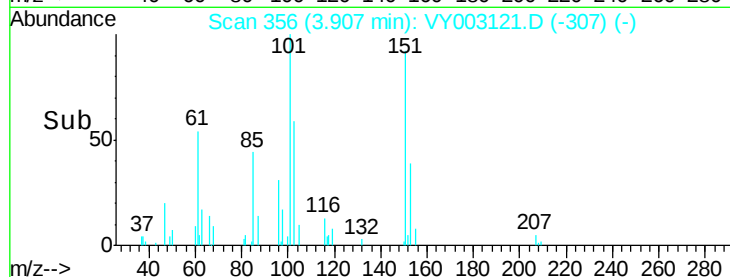
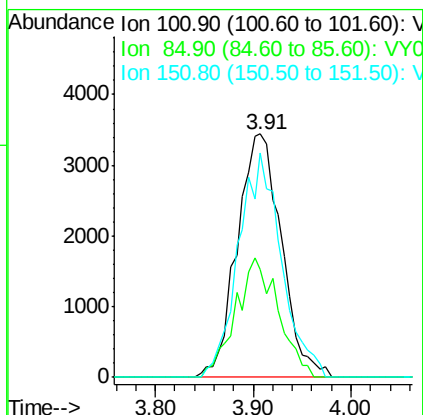
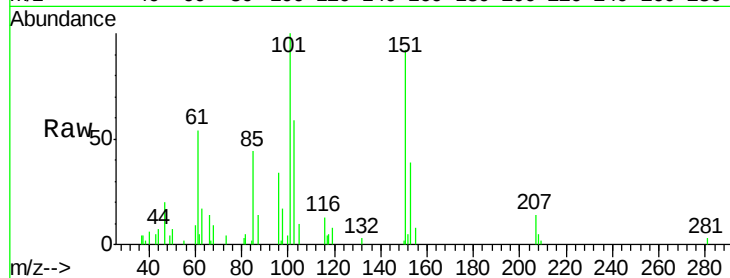
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	101	Resp:	10809
Ion Ratio	Lower	Upper	
101	100		
85	47.6	35.5	53.3
151	89.7	65.5	98.3

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#10

Methyl Iodide

Concen: 2.677 ug/l

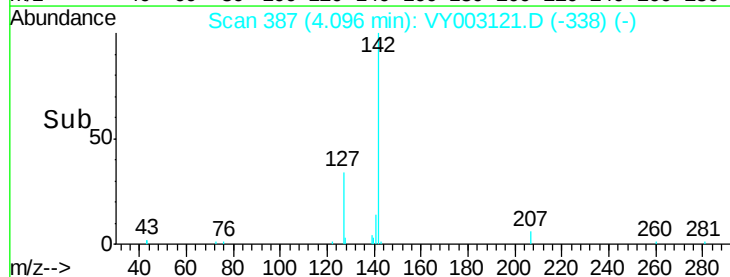
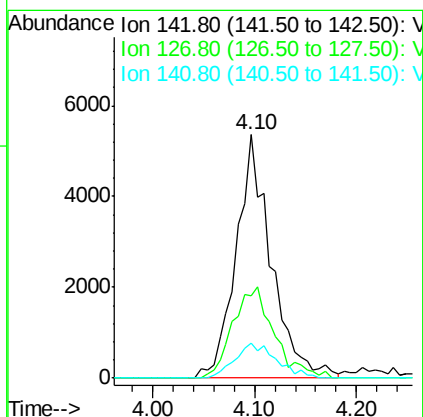
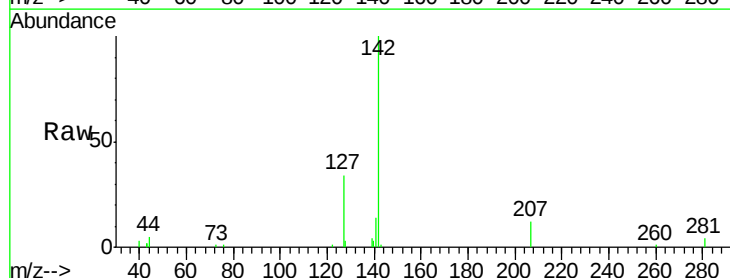
RT: 4.10 min Scan# 387

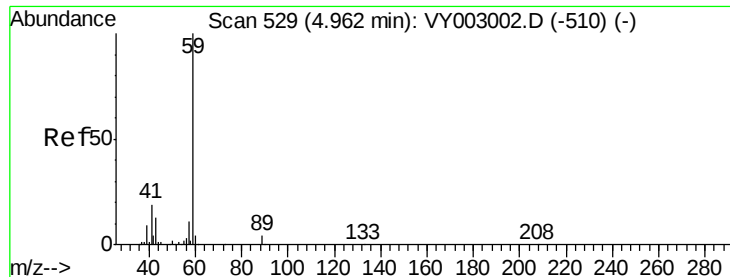
Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Tgt Ion:	142	Resp:	12818
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.2	51.2
141	16.9	11.7	17.5





#11

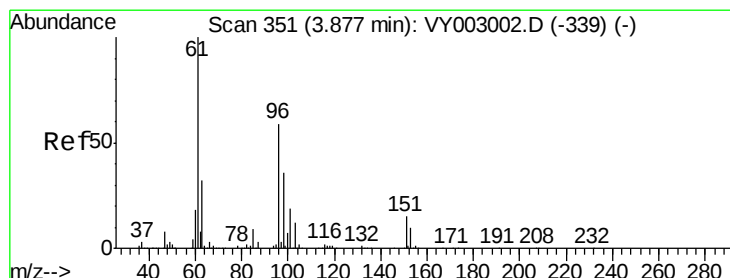
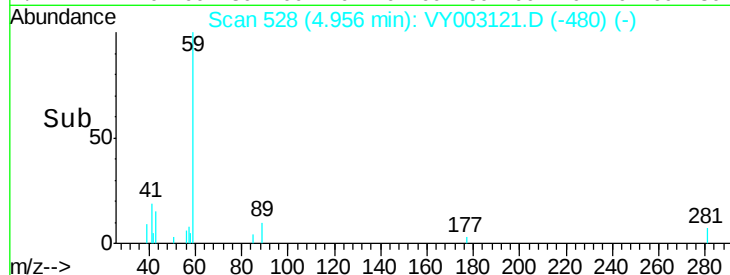
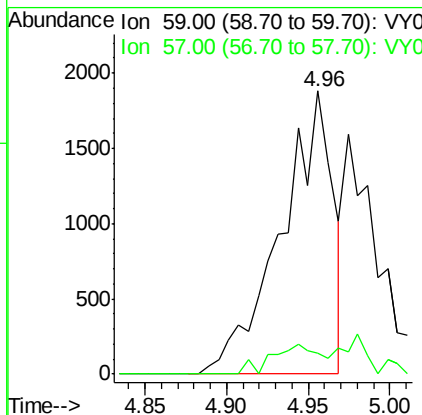
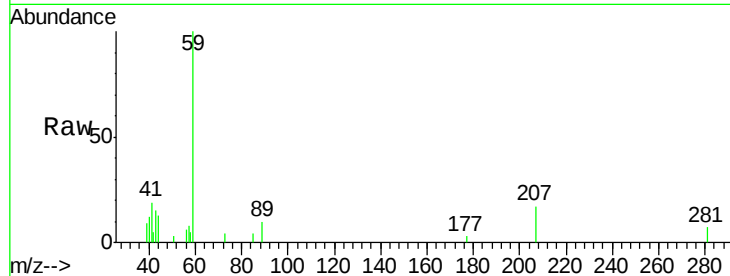
Tert butyl alcohol
Concen: 9.663 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion	59	Resp	4142
Ion Ratio	100	Lower	Upper
57	9.9	8.0	12.0

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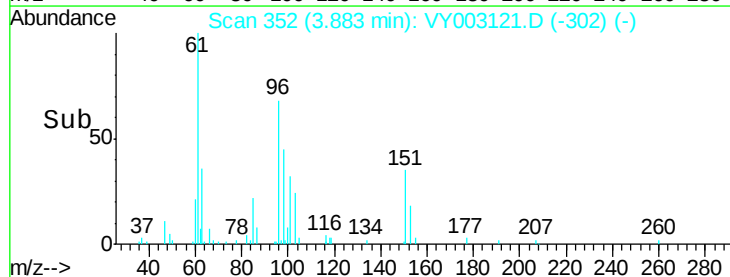
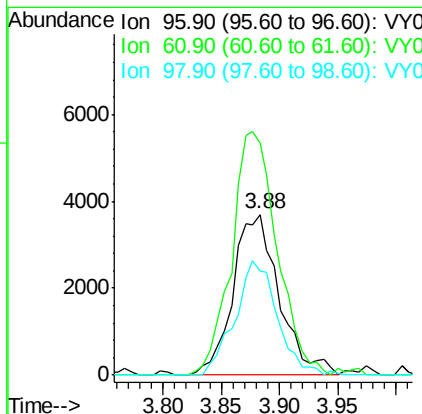
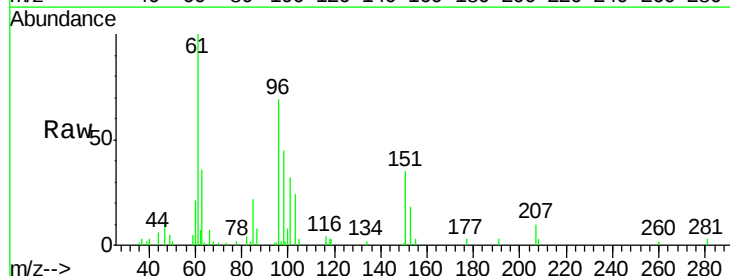
MMDadoda
7/8/2020 12:20:38 PM

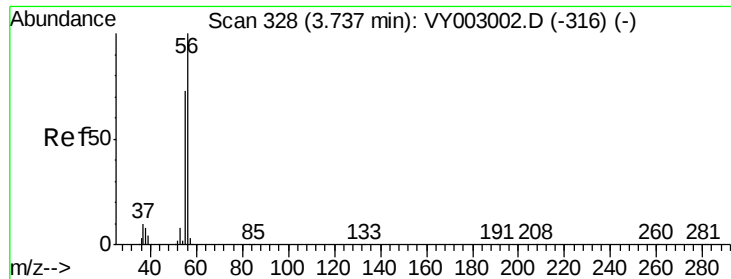


#12

1,1-Dichloroethene
Concen: 2.788 ug/l
RT: 3.88 min Scan# 352
Delta R.T. 0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	96	Resp	10240
Ion Ratio	100	Lower	Upper
61	144.3	136.7	205.1
98	64.4	49.7	74.5





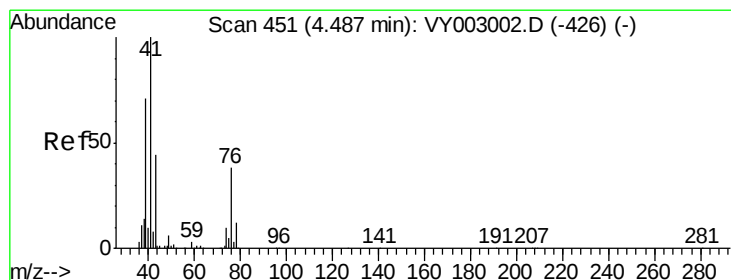
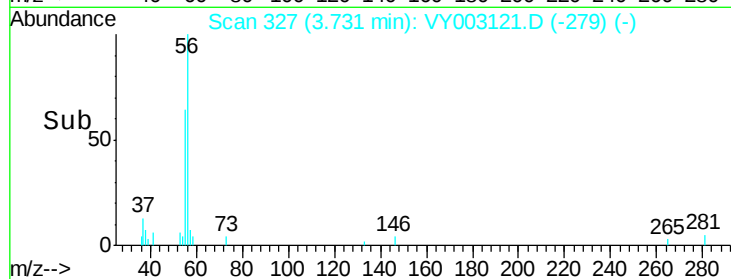
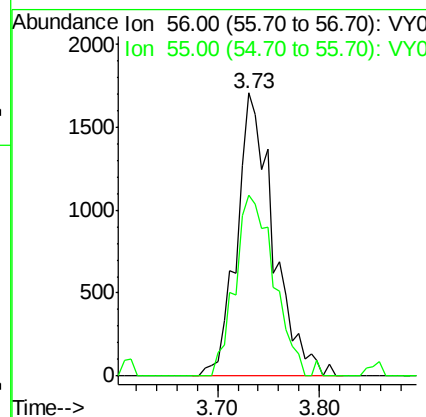
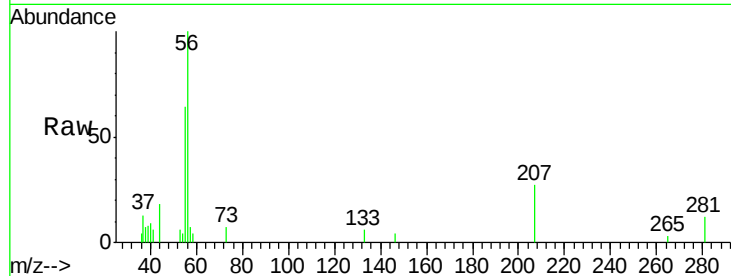
#13
Acrolein
Concen: 11.029 ug/l
RT: 3.73 min Scan# 327
Delta R.T. -0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion	56	Resp	4246
Ion Ratio	100	Lower	Upper
55	67.5	56.4	84.6

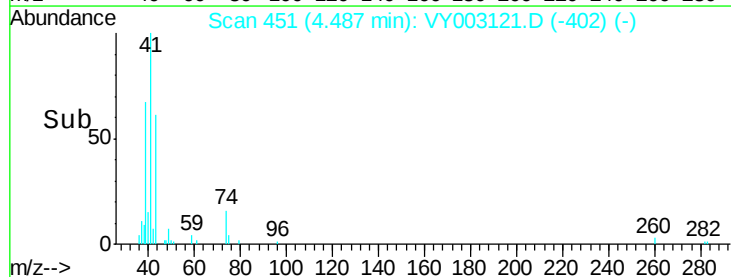
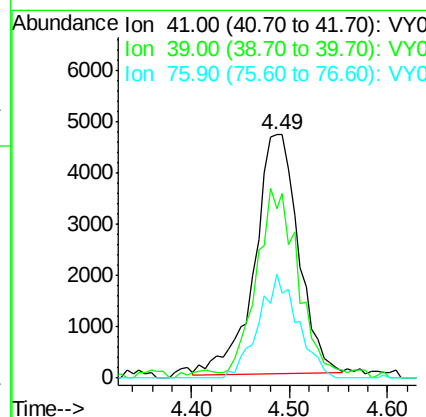
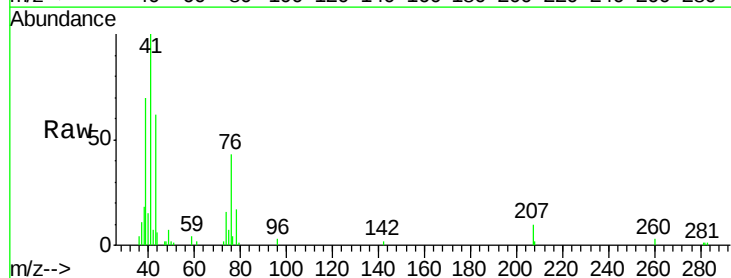
Manual Integrations
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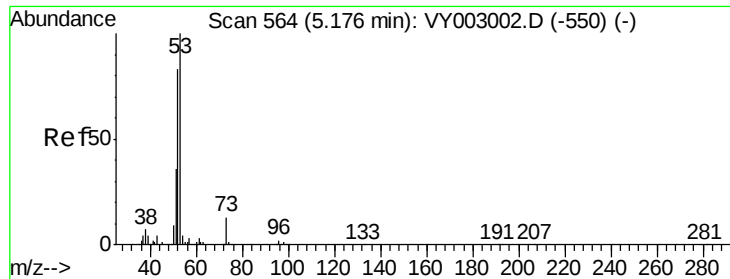
MMDadoda
7/8/2020 12:20:38 PM



#14
Allyl chloride
Concen: 2.272 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	41	Resp	14571
Ion Ratio	100	Lower	Upper
39	71.8	55.6	83.4
76	38.7	28.6	43.0





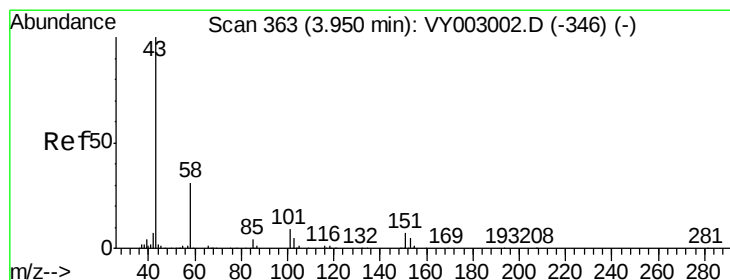
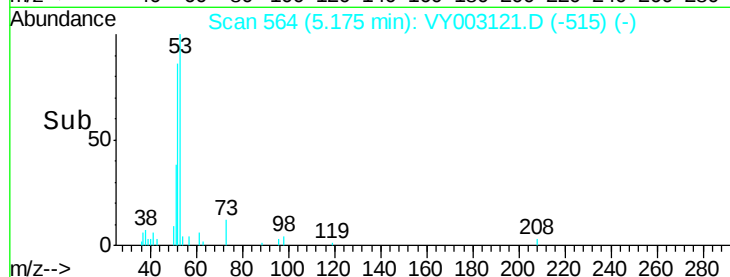
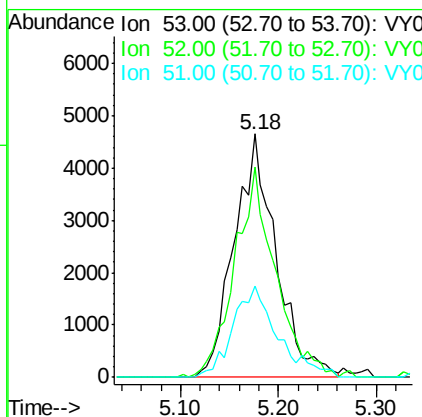
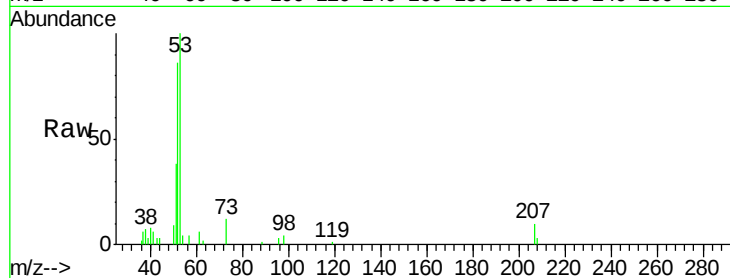
#15
Acrylonitrile
Concen: 12.055 ug/l
RT: 5.18 min Scan# 564
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion:	53	Resp:	13772
Ion	Ratio	Lower	Upper
53	100		
52	84.8	66.2	99.2
51	36.4	29.5	44.3

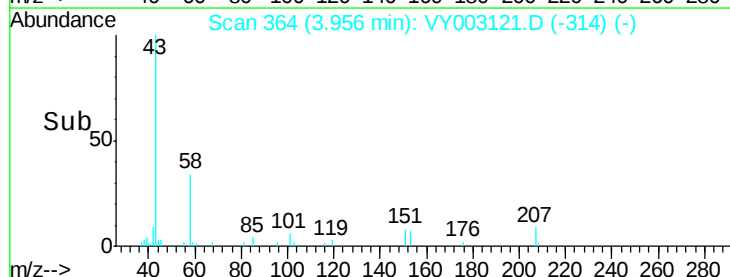
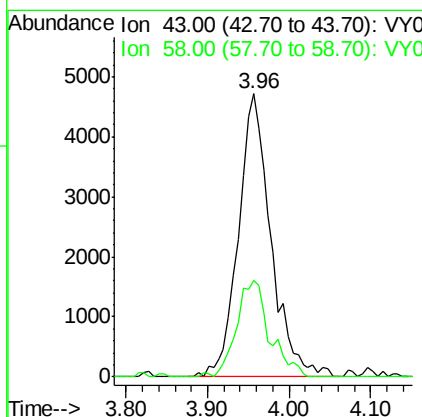
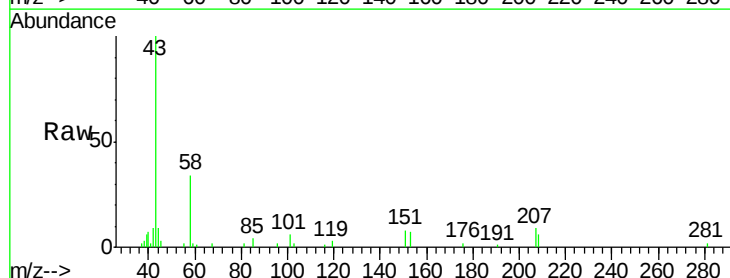
Manual Integrations
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#16
Acetone
Concen: 13.099 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion:	43	Resp:	12994
Ion	Ratio	Lower	Upper
43	100		
58	34.3	24.7	37.1





#17

Carbon Disulfide

Concen: 2.619 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 76 Resp: 30743

Ion Ratio Lower Upper

76 100

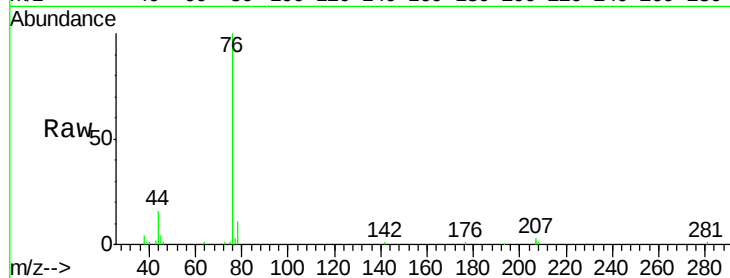
78 10.7 7.0 10.6#

Manual Integrations

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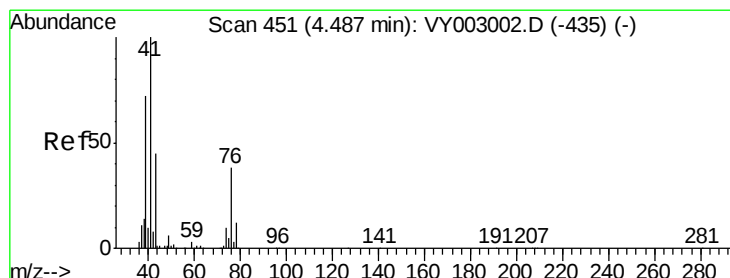
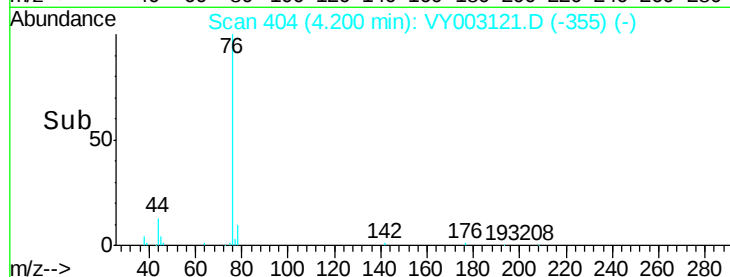
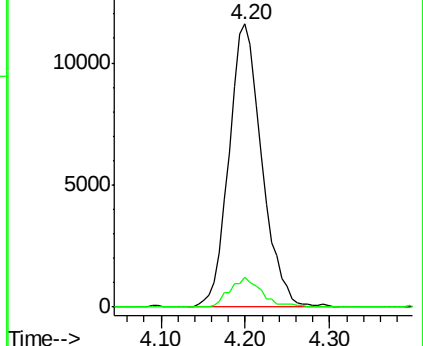
MMDadoda

7/8/2020 12:20:38 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 3.310 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003121.D

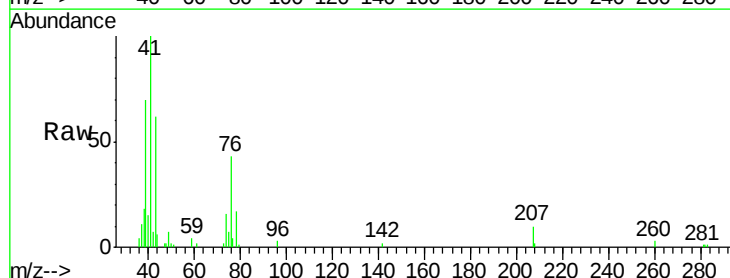
Acq: 07 Jul 2020 13:05

Tgt Ion: 43 Resp: 8845

Ion Ratio Lower Upper

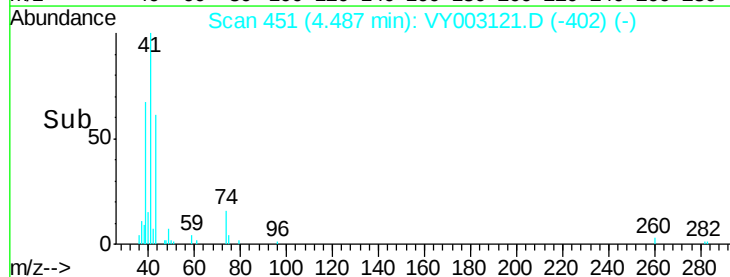
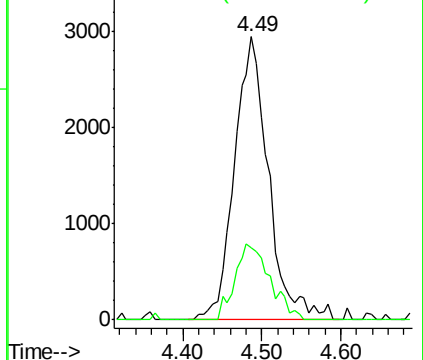
43 100

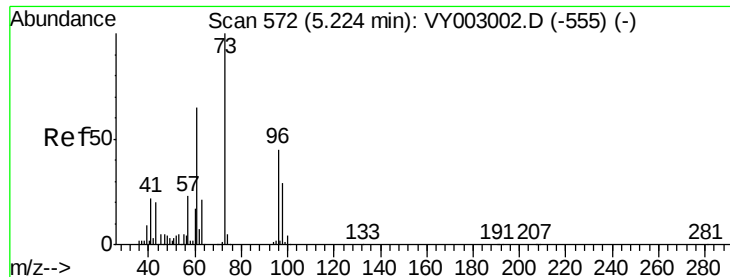
74 27.9 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





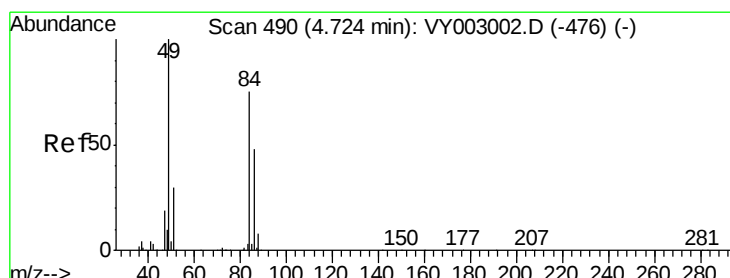
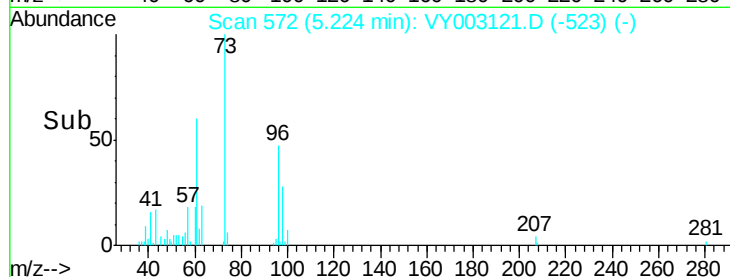
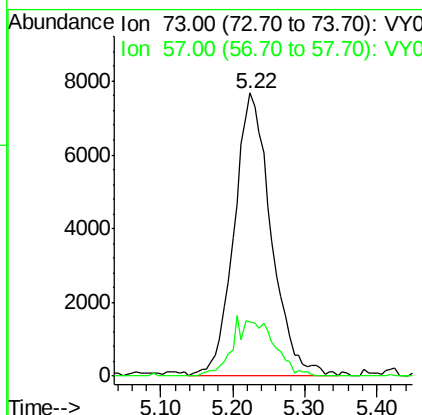
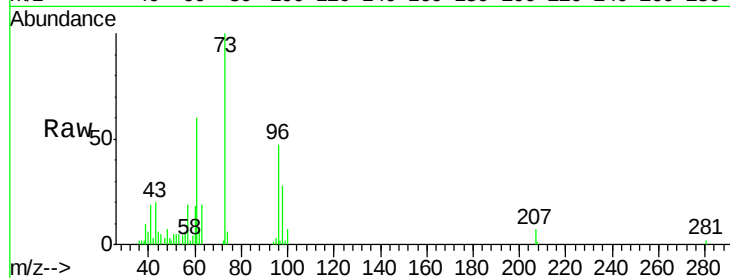
#19
Methvl tert-butvl Ether
Concen: 2.565 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	19.3	18.2	27.2

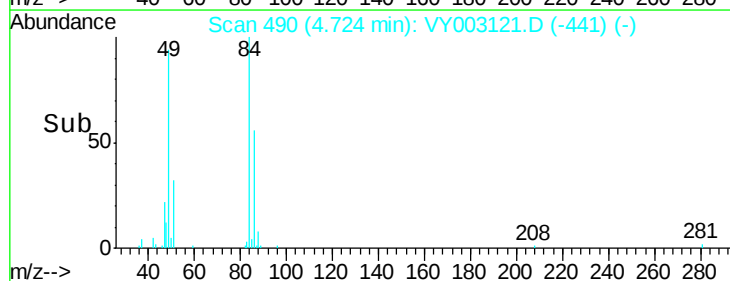
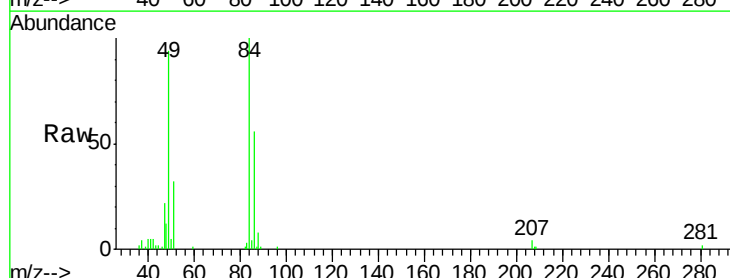
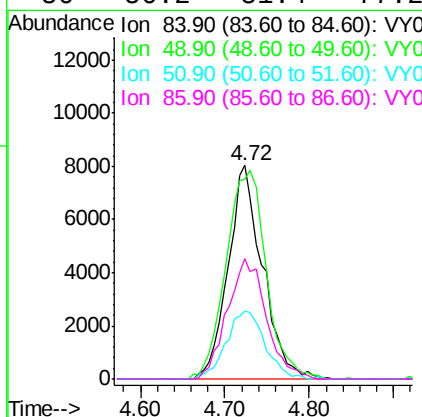
Manual Integrations
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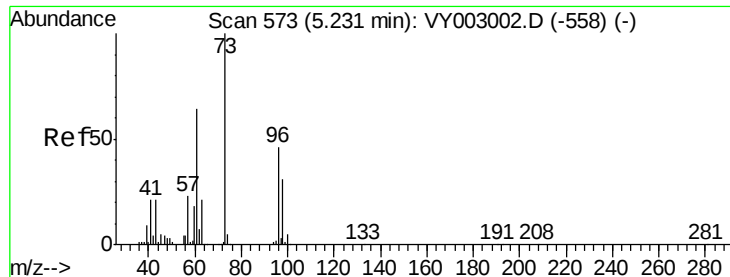
MMDadoda
7/8/2020 12:20:38 PM



#20
Methylene Chloride
Concen: 4.047 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	93.6	106.8	160.2#
51	51	31.9	32.0	48.0#
86	86	56.2	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 2.753 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

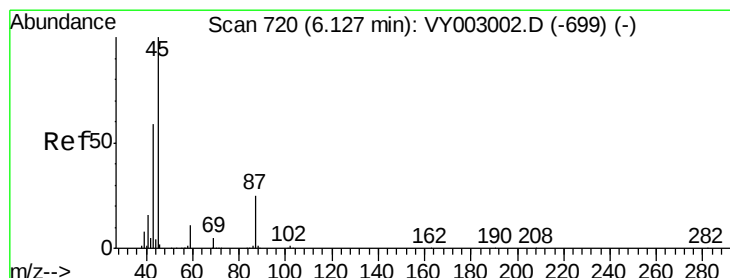
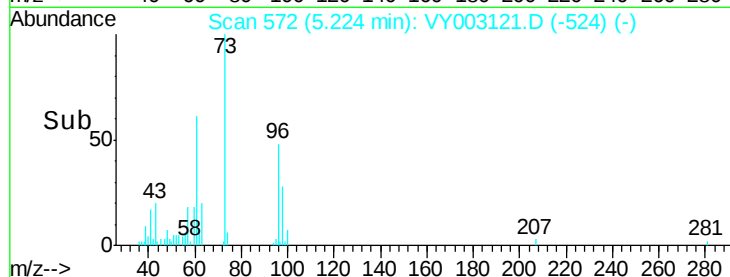
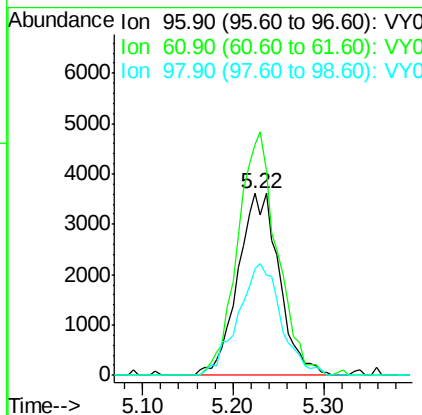
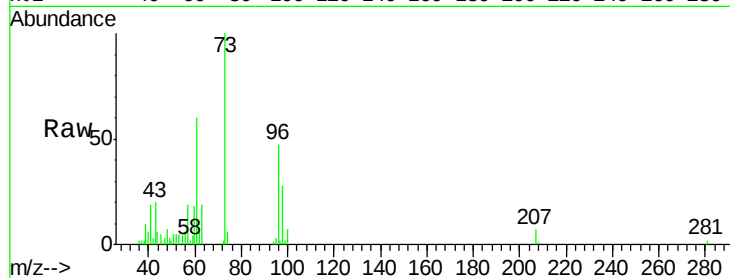
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	96	Resp:	11439
Ion	Ratio	Lower	Upper
96	100		
61	126.8	112.3	168.5
98	58.6	53.8	80.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 2.317 ug/l

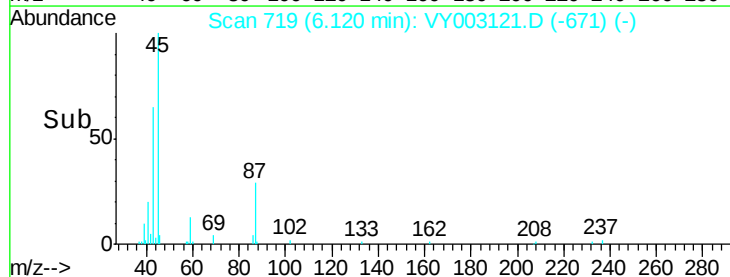
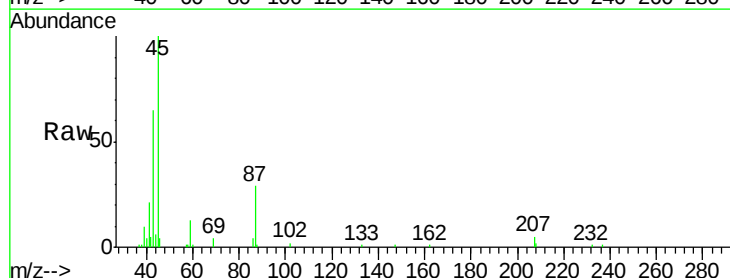
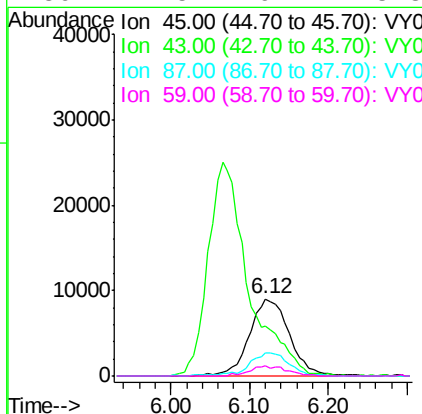
RT: 6.12 min Scan# 719

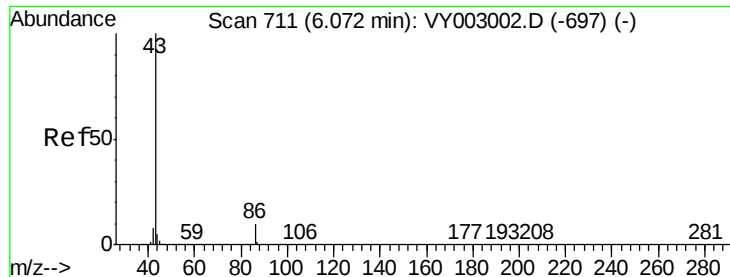
Delta R.T. -0.01 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Tgt Ion:	45	Resp:	31846
Ion	Ratio	Lower	Upper
45	100		
43	64.9	47.4	71.2
87	29.3	20.2	30.2
59	12.5	9.2	13.8





#23

Vinyl Acetate

Concen: 9.709 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 89232

Ion Ratio Lower Upper

43 100

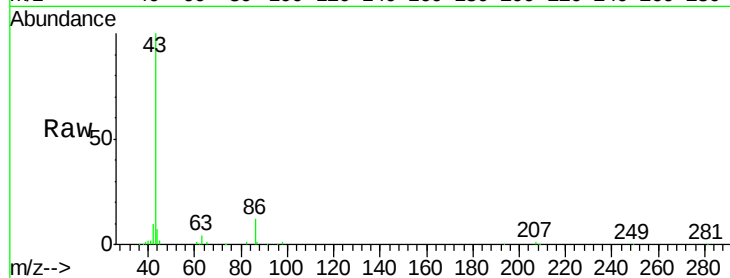
86 11.6 8.1 12.1

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

25000

20000

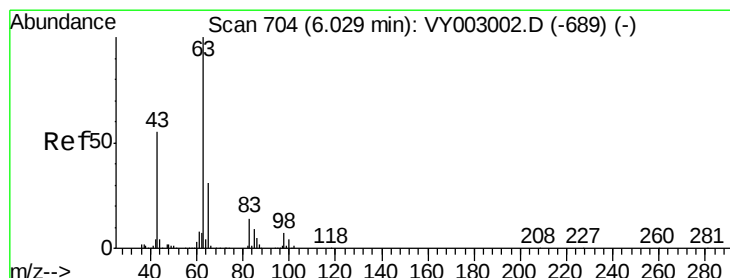
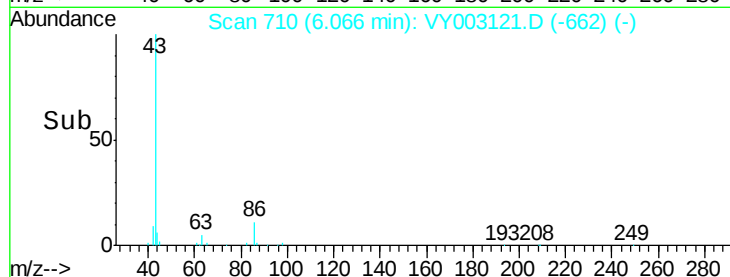
15000

10000

5000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 2.584 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

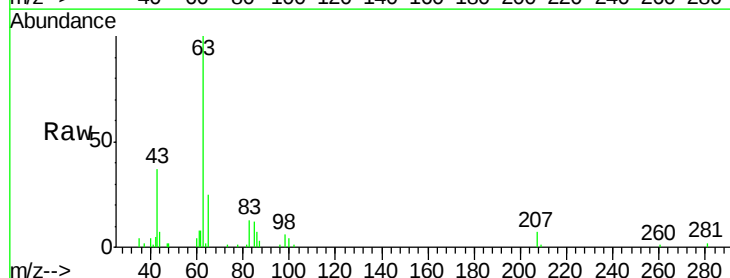
Tgt Ion: 63 Resp: 19403

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.1

100 4.1 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

8000

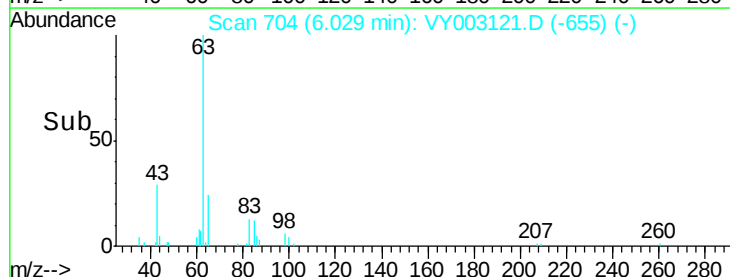
6000

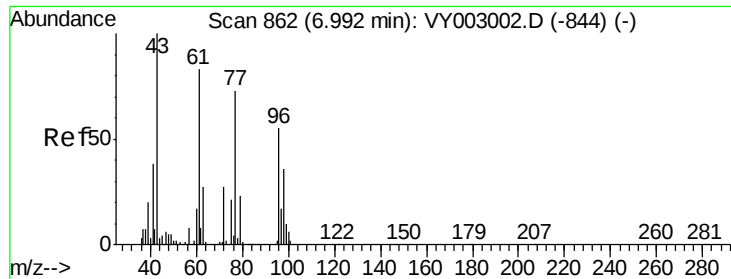
4000

2000

0

Time--> 5.90 6.00 6.10





#25

2-Butanone

Concen: 11.234 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 17702

Ion Ratio Lower Upper

43 100

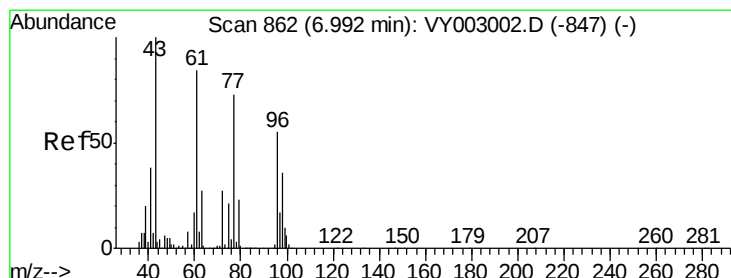
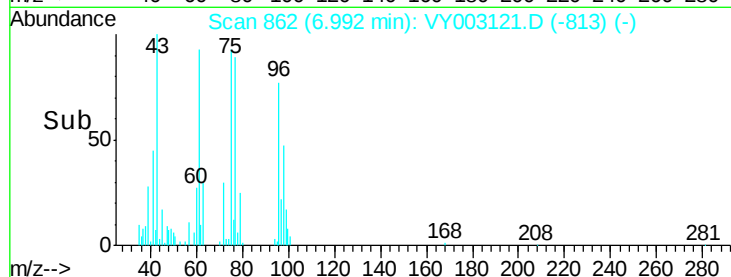
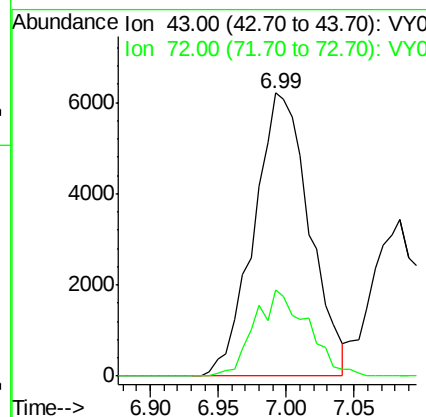
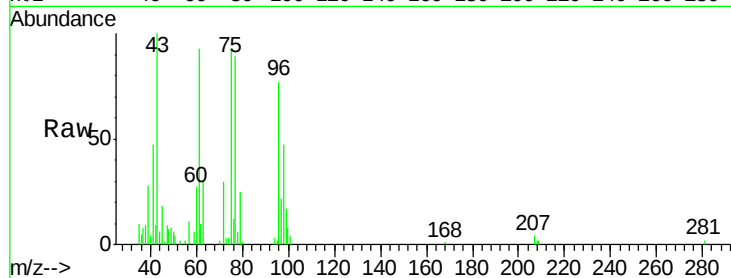
72 30.4 21.4 32.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 2.676 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003121.D

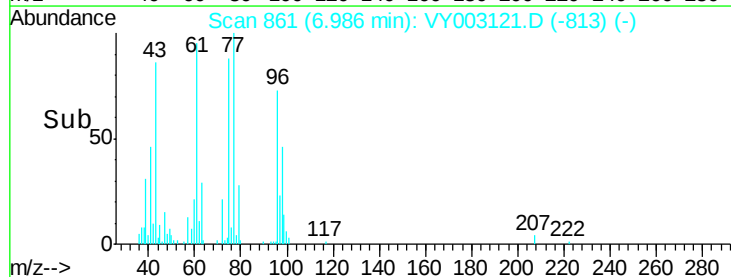
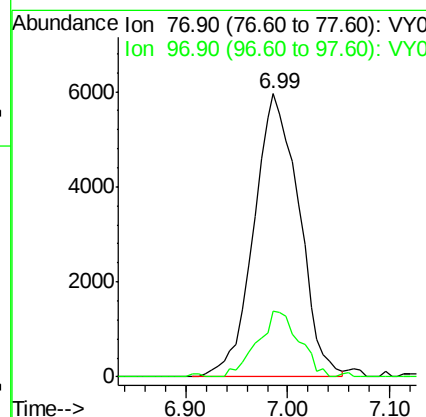
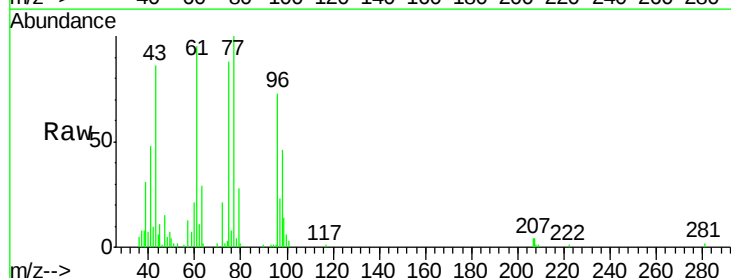
Acq: 07 Jul 2020 13:05

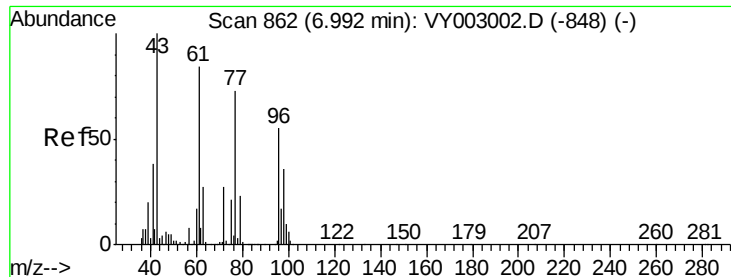
Tgt Ion: 77 Resp: 18256

Ion Ratio Lower Upper

77 100

97 21.5 11.3 33.9





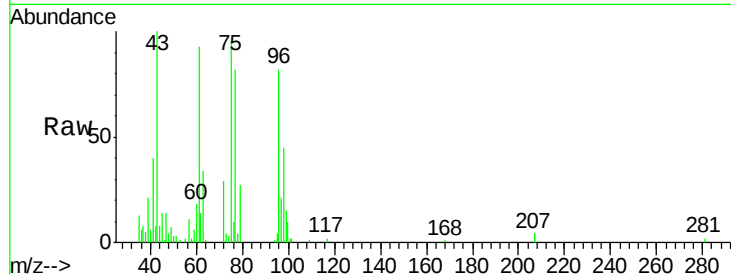
#27
 cis-1,2-Dichloroethene
 Concen: 2.724 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

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

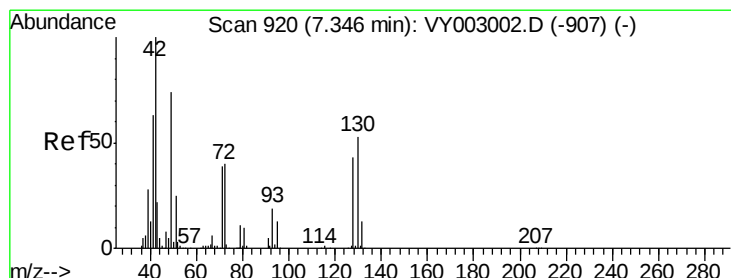
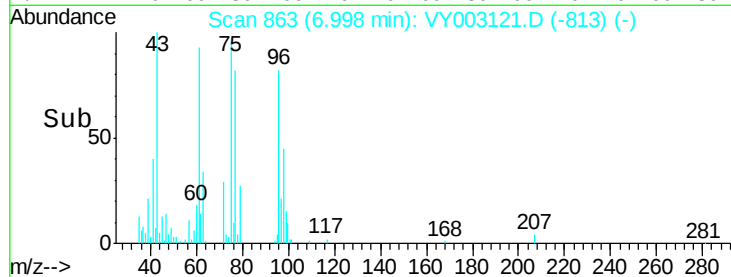
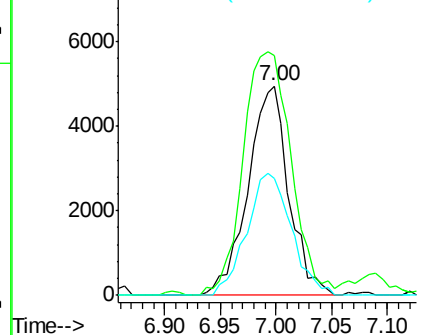
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.3	0.0	301.2
98	63.4	0.0	129.0

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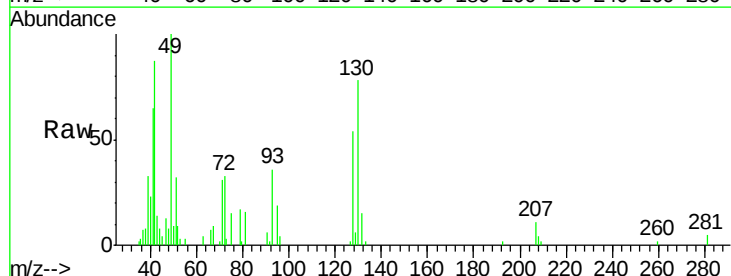


Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0

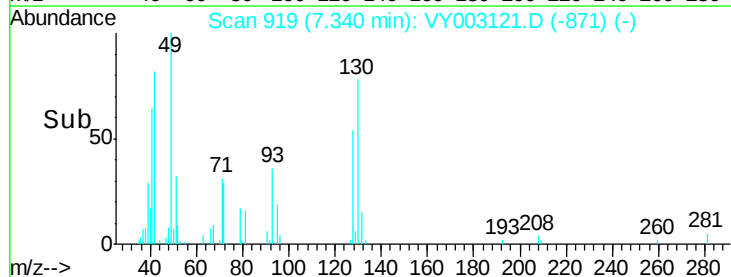
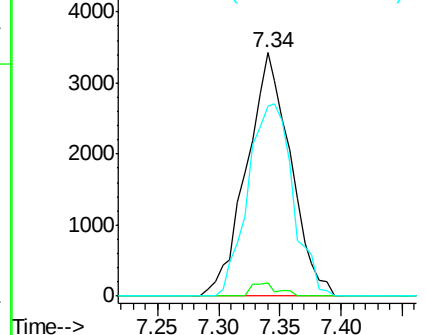


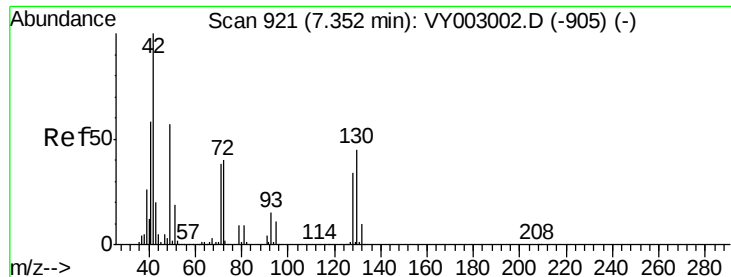
#28
 Bromochloromethane
 Concen: 2.556 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	4.4
130	81.1	57.0	85.6



Abundance Ion 48.90 (48.60 to 49.60): VY0
 Ion 128.80 (128.50 to 129.50): VY0
 Ion 129.80 (129.50 to 130.50): VY0





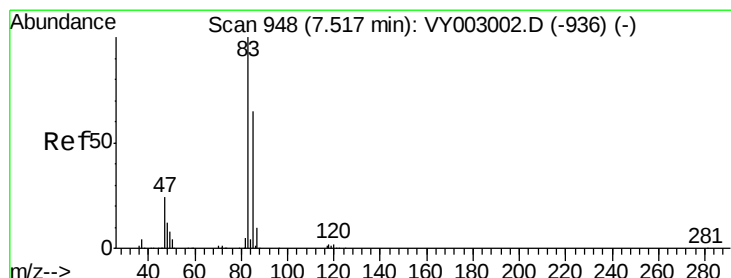
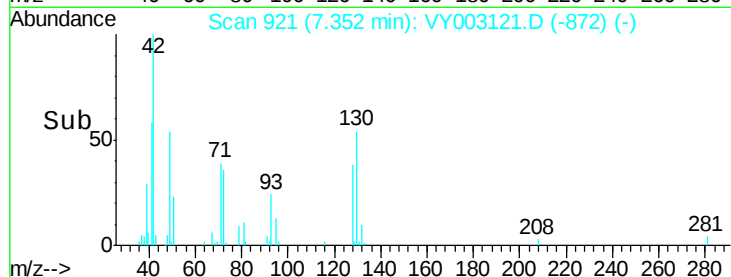
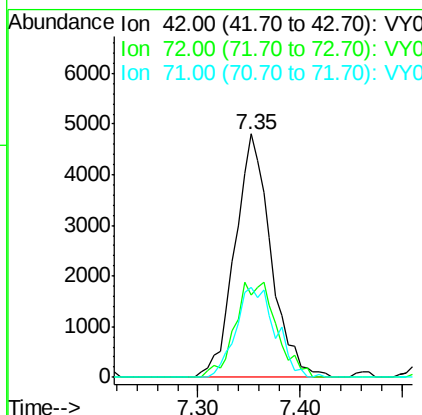
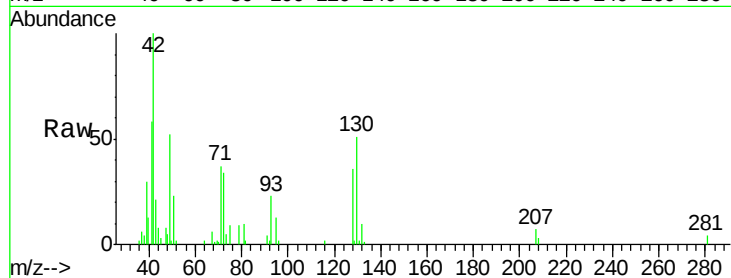
#29
Tetrahydrofuran
Concen: 11.191 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	32.9	49.3
71	40.6	31.2	46.8

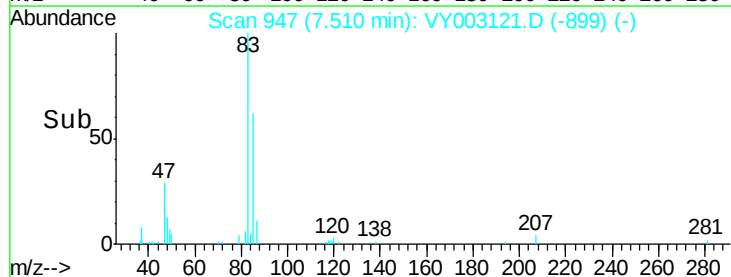
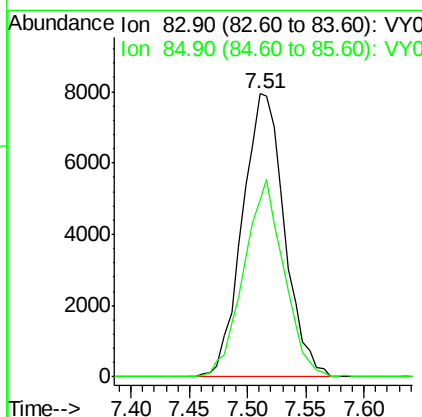
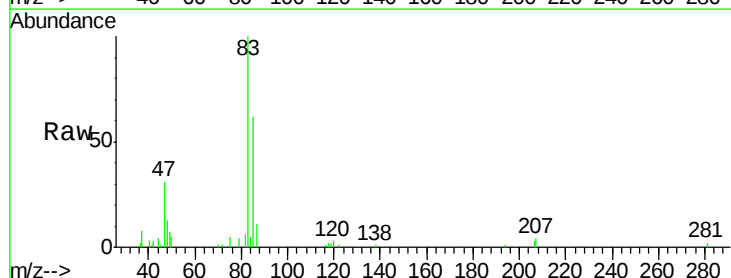
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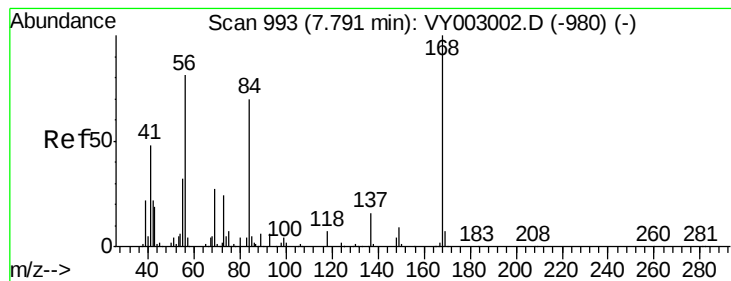
MMDadoda
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#30
Chloroform
Concen: 2.676 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.7	77.5





#31

Cyclohexane

Concen: 3.344 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 56 Resp: 24741

Ion Ratio Lower Upper

56 100

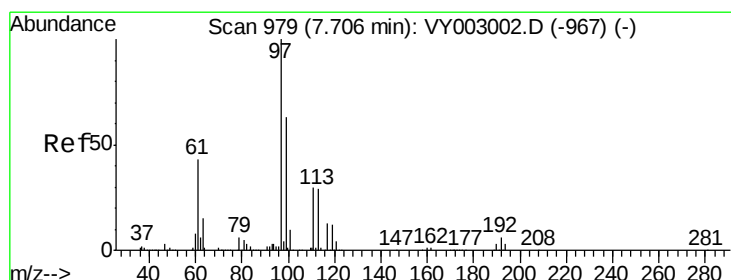
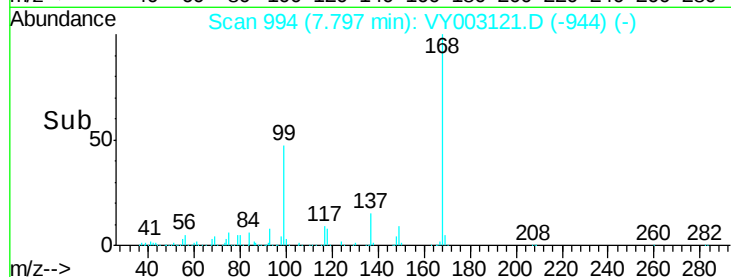
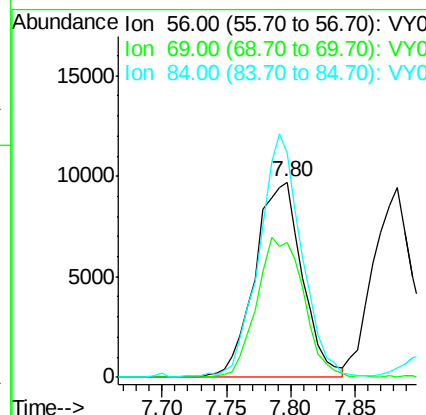
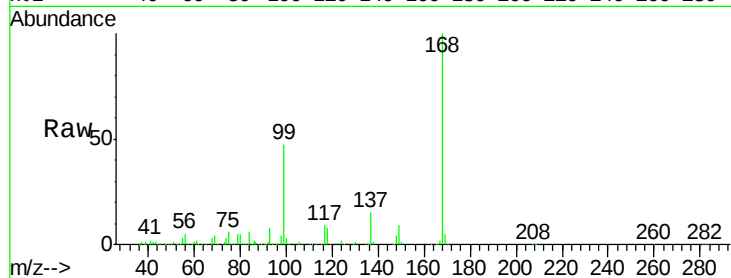
69 68.9 27.0 40.4#

84 113.6 68.1 102.1#

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#32

1,1,1-Trichloroethane

Concen: 2.522 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.01 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

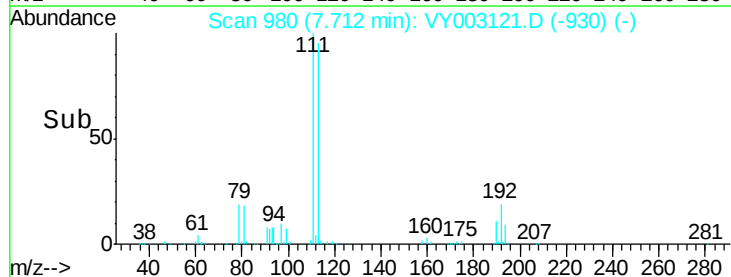
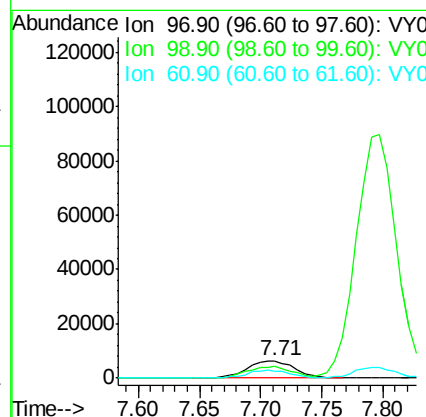
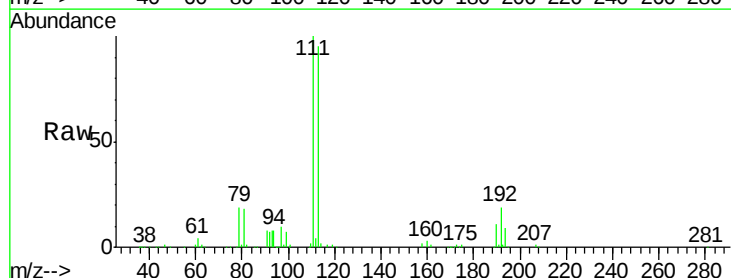
Tgt Ion: 97 Resp: 17126

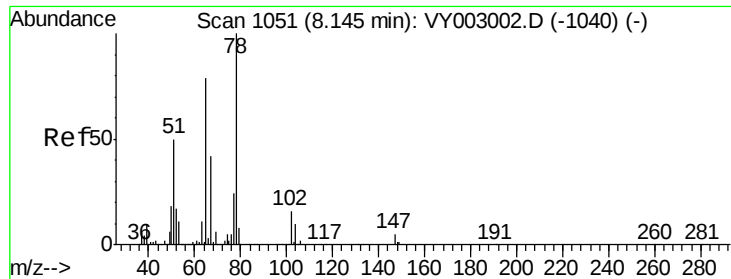
Ion Ratio Lower Upper

97 100

99 65.1 51.4 77.2

61 43.0 33.9 50.9





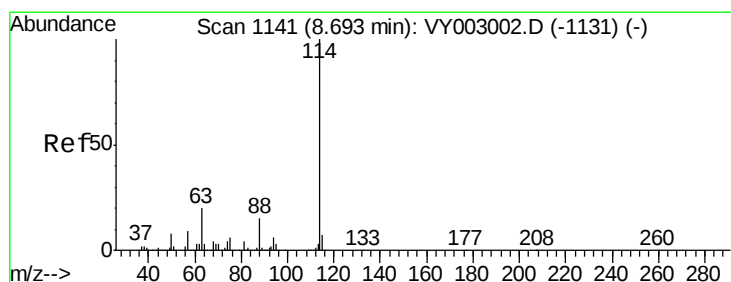
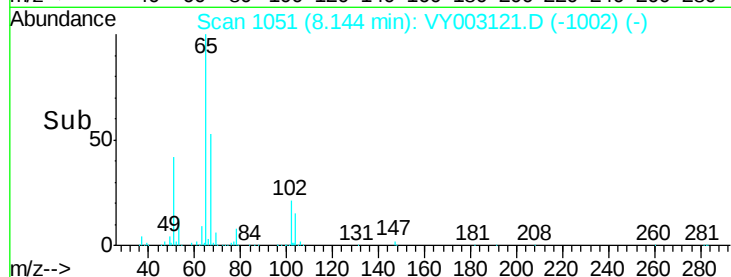
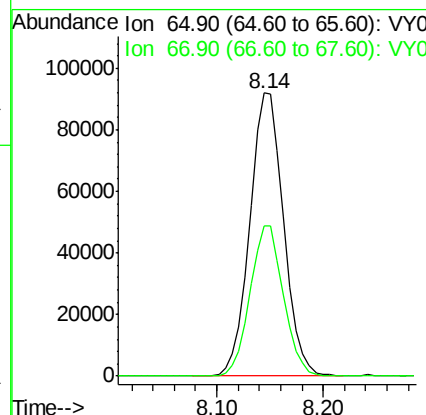
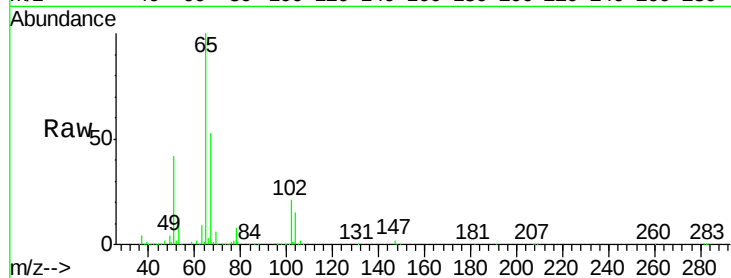
#33
 1,2-Dichloroethane-d4
 Concen: 48.639 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	105.6

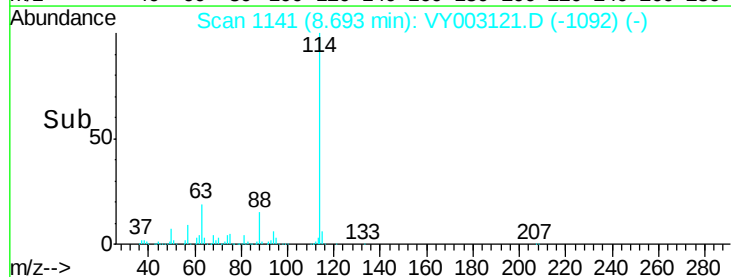
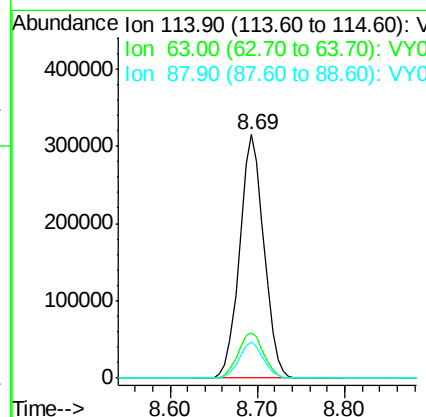
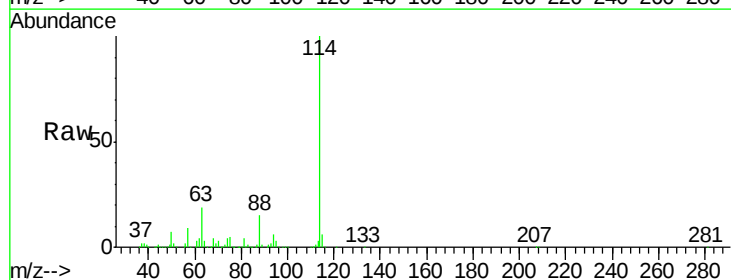
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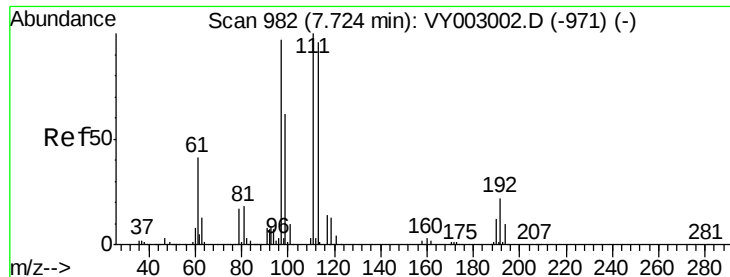
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	40.6
88	14.8	0.0	30.0





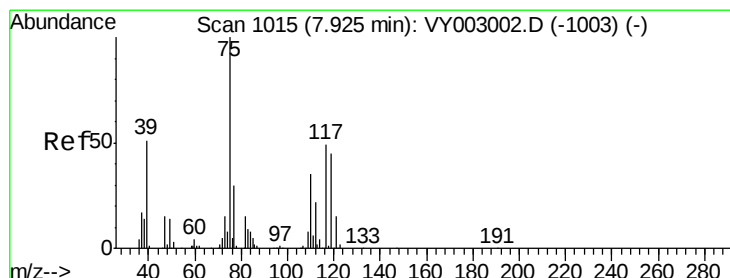
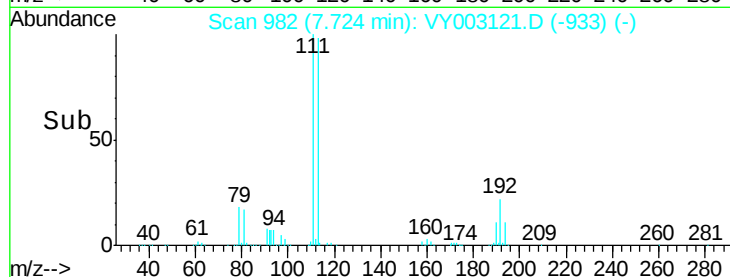
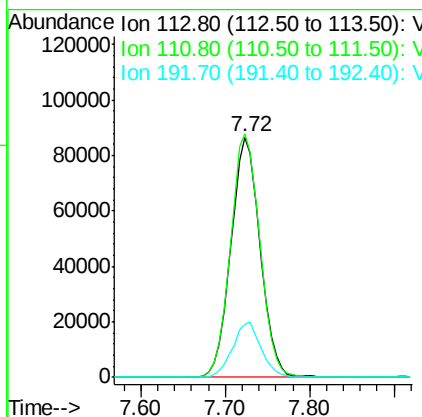
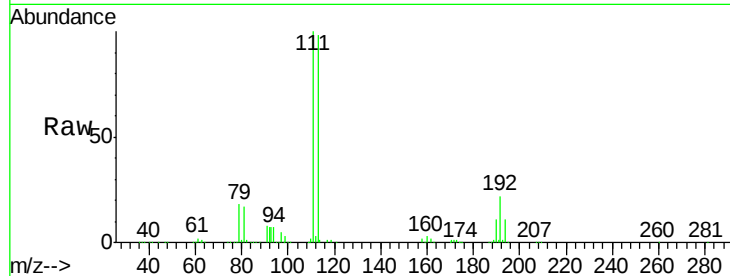
#35
Dibromofluoromethane
Concen: 53.157 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	201762		
111	102.2	82.6	123.8	
192	22.5	18.1	27.1	

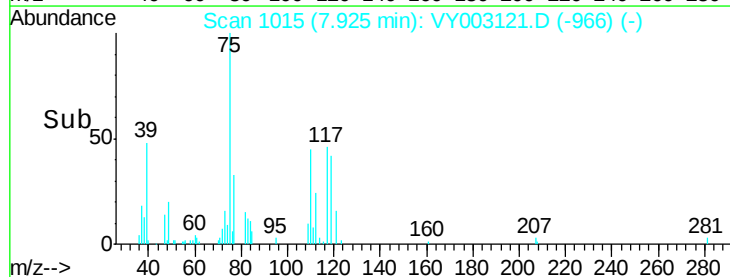
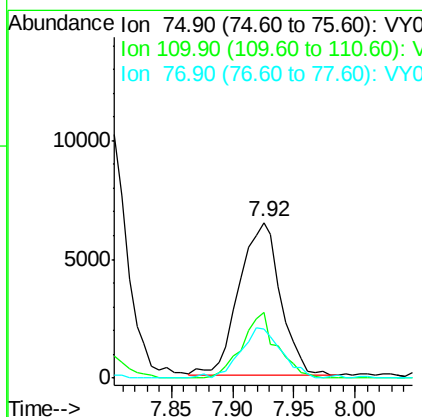
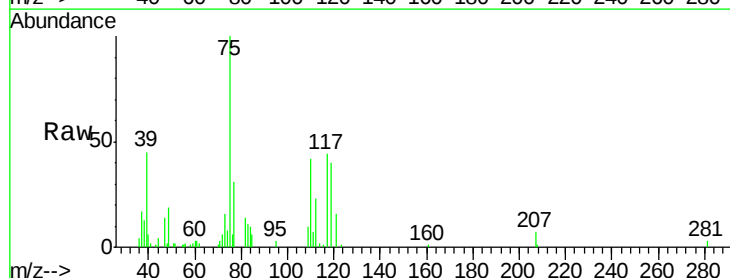
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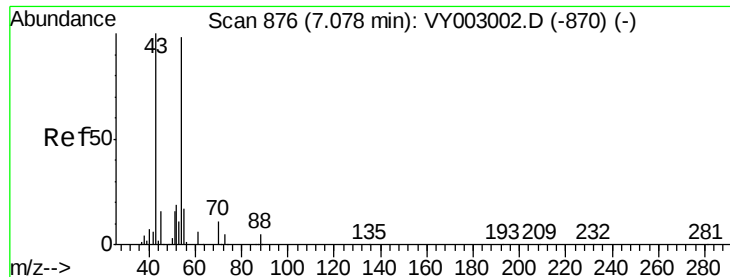
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#36
1,1-Dichloropropene
Concen: 2.548 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14936		
110	36.6	17.1	51.2	
77	33.0	24.9	37.3	





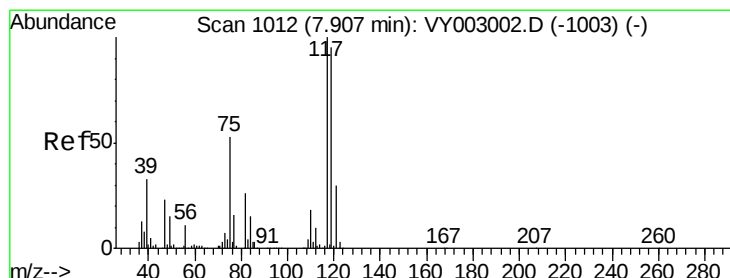
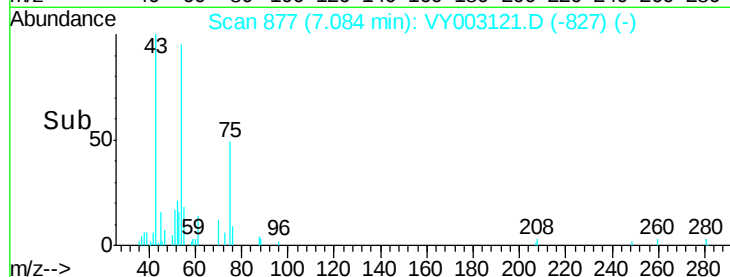
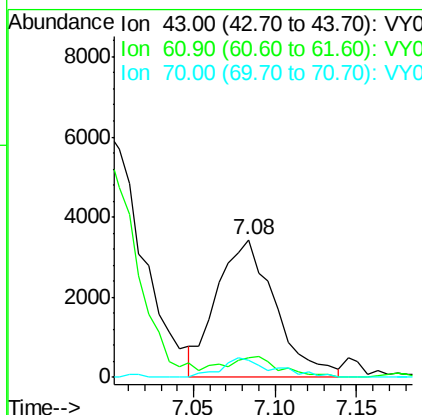
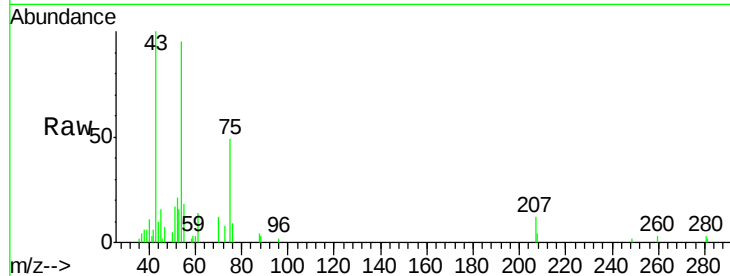
#37
Ethyl Acetate
Concen: 2.436 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.4	15.6
70	12.5	7.7	11.5

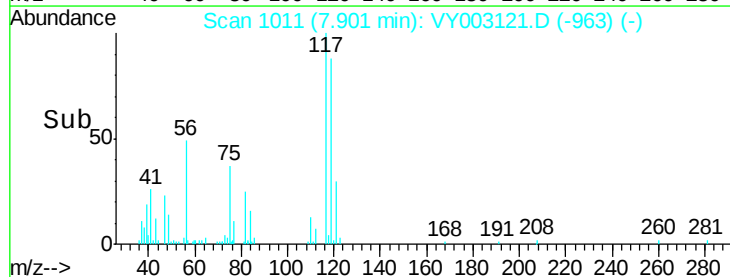
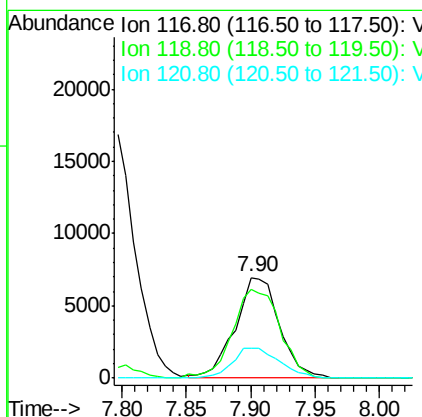
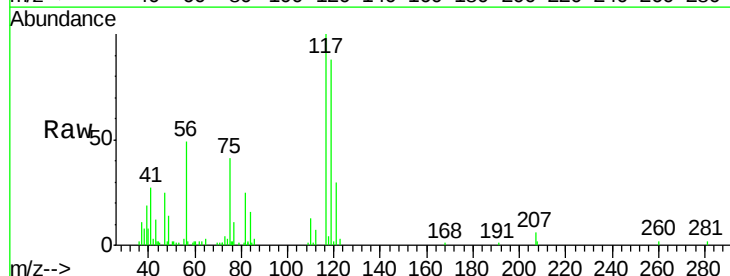
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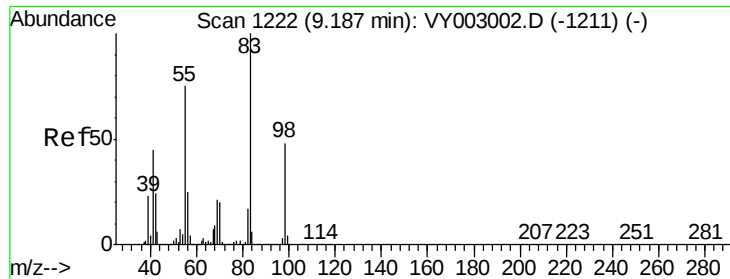
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#38
Carbon Tetrachloride
Concen: 2.720 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.0	75.7	113.5
121	29.9	23.9	35.9





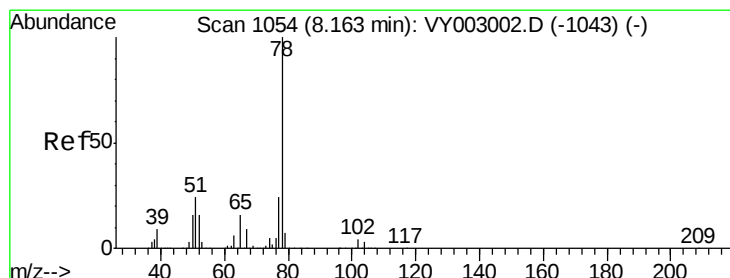
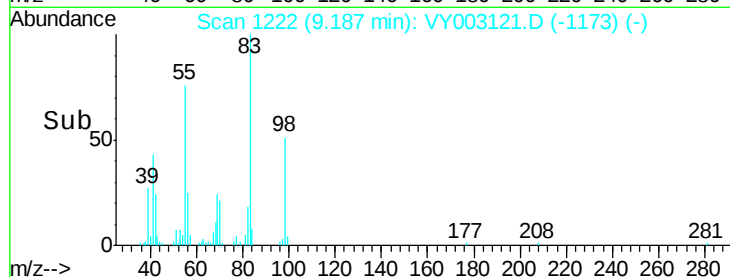
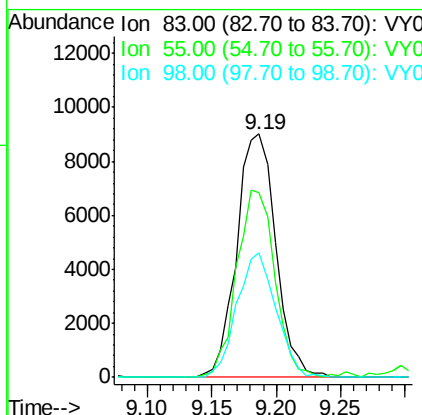
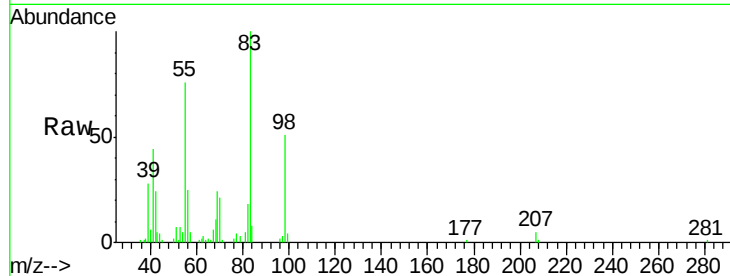
#39
Methylvlcyclohexane
Concen: 2.606 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	59.9	89.9
98	51.0	38.7	58.1

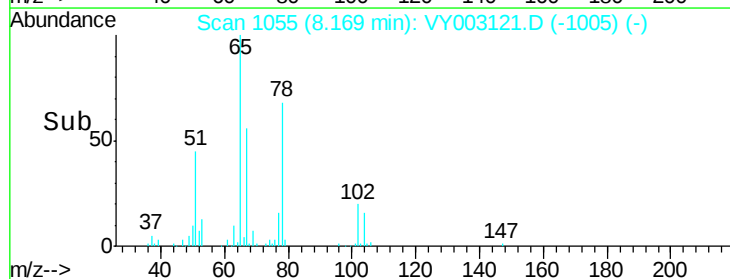
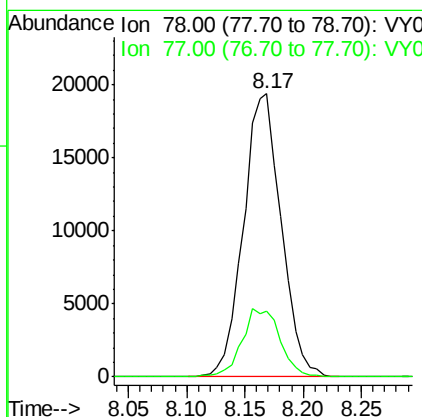
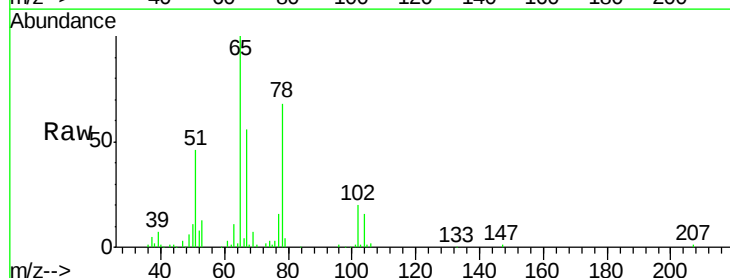
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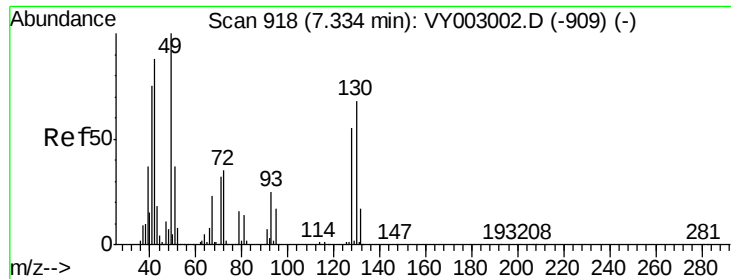
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#40
Benzene
Concen: 2.727 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





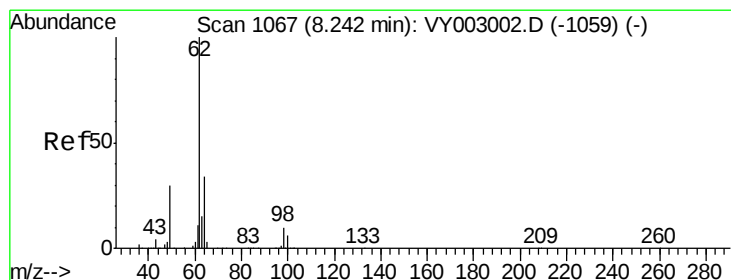
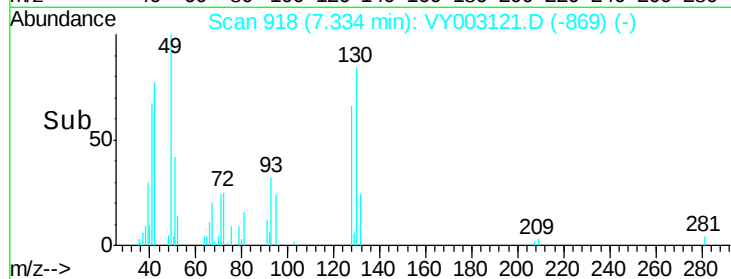
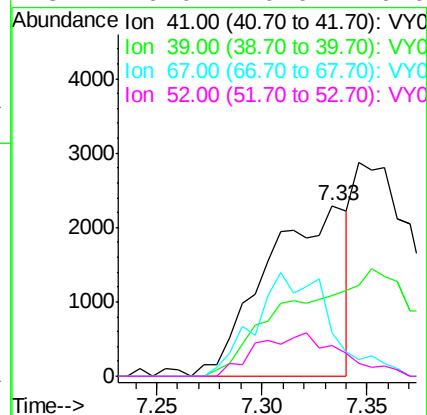
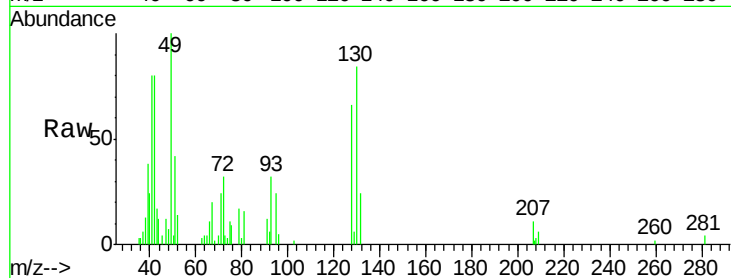
#41
Methacrylonitrile
Concen: 3.235 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion	41	Resp	6089
Ion	Ratio	Lower	Upper
41	100		
39	98.3	85.7	128.5
67	0.0	0.0	0.0
52	0.0	0.0	0.0

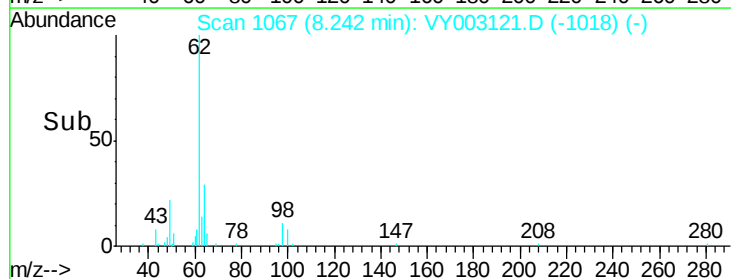
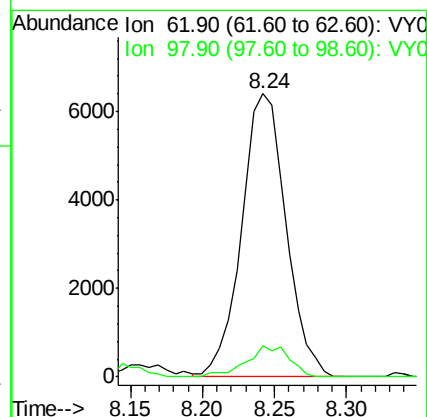
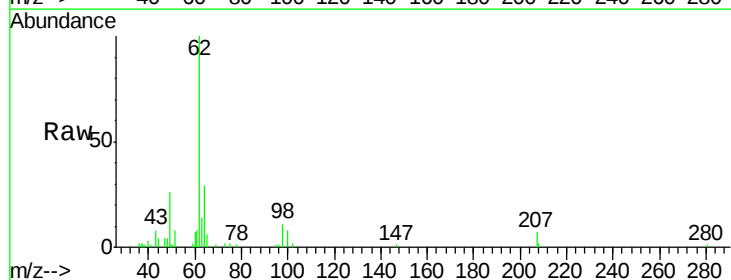
Manual Integrations
APPROVED

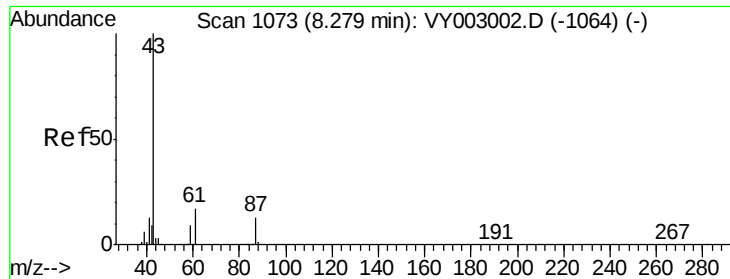
MMDadoda
7/8/2020 12:20:38 PM



#42
1,2-Dichloroethane
Concen: 2.694 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	62	Resp	13677
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	19.2





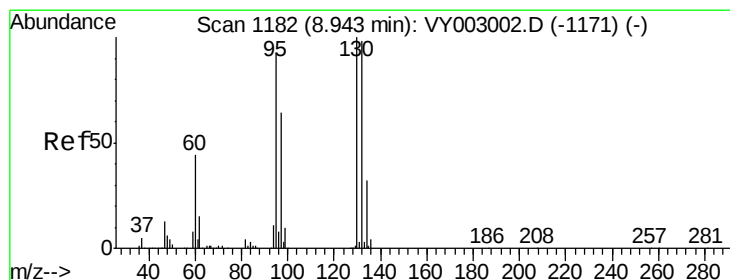
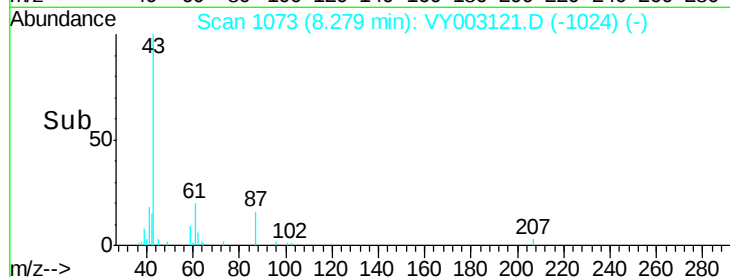
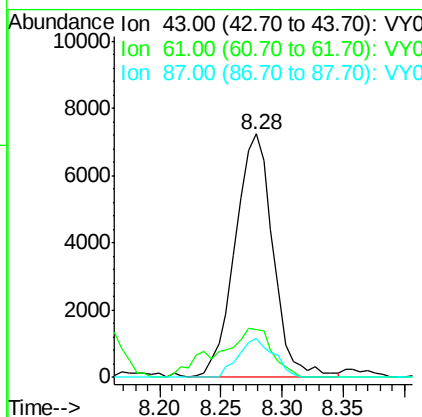
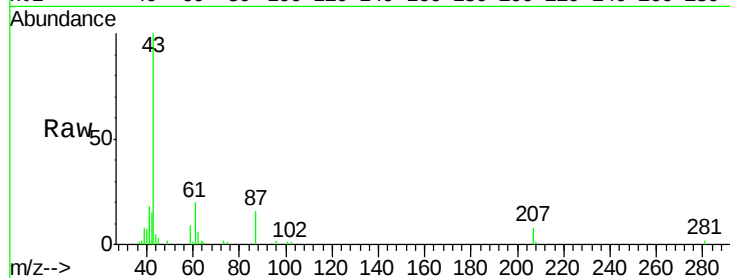
#43
Isopropyl Acetate
Concen: 2.337 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.6	21.8	32.6
87	14.7	10.1	15.1

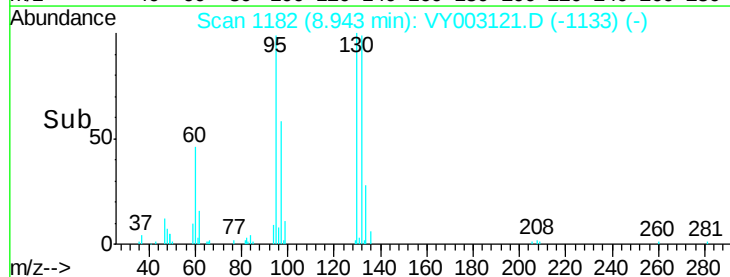
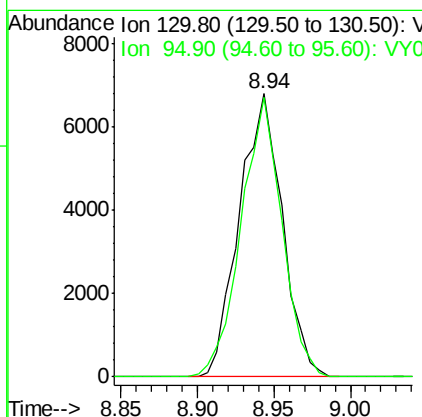
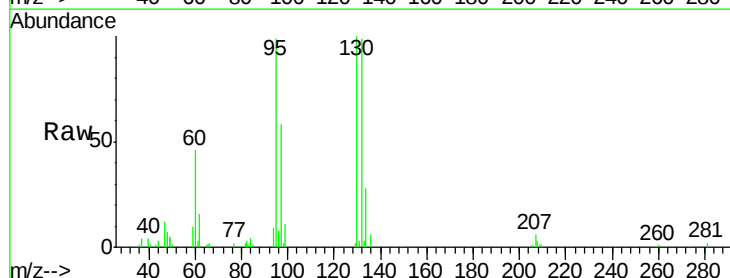
Manual Integrations
APPROVED

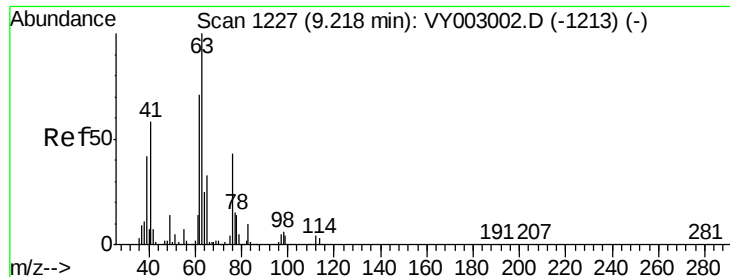
MMDadoda
7/8/2020 12:20:38 PM



#44
Trichloroethene
Concen: 2.846 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	186.4





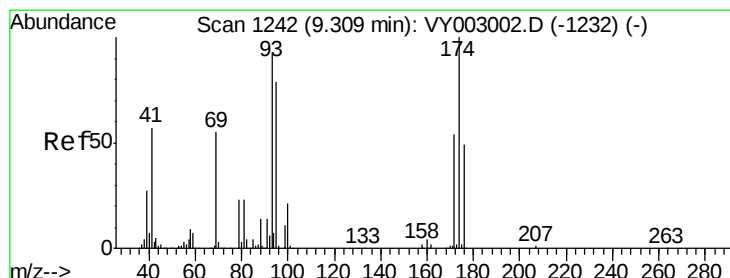
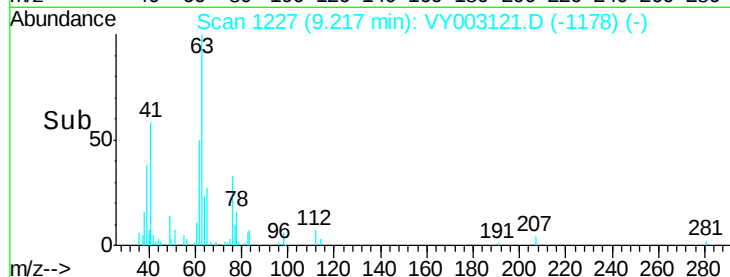
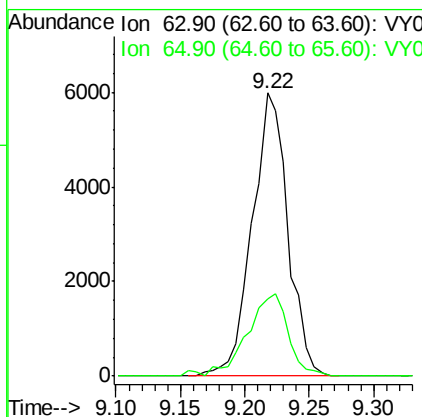
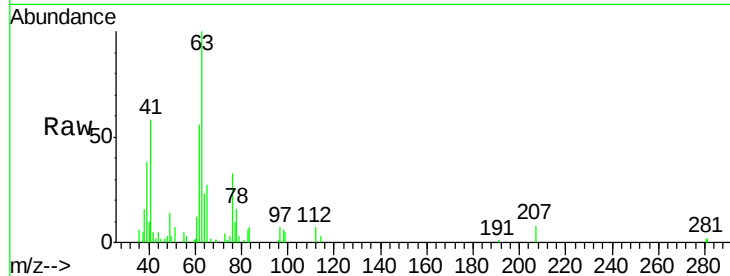
#45
 1,2-Dichloropropane
 Concen: 2.653 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.2	26.2	39.4

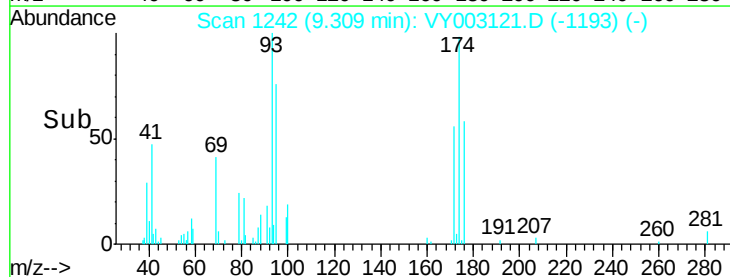
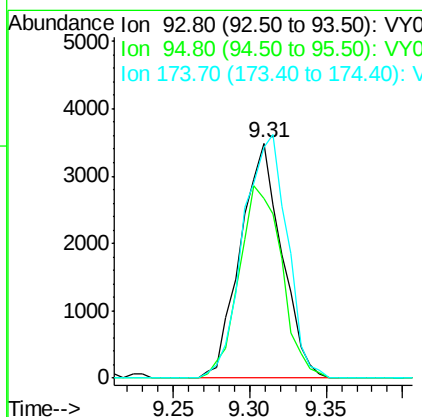
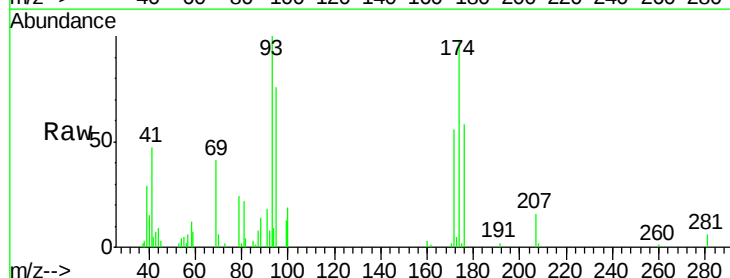
Manual Integrations
 APPROVED

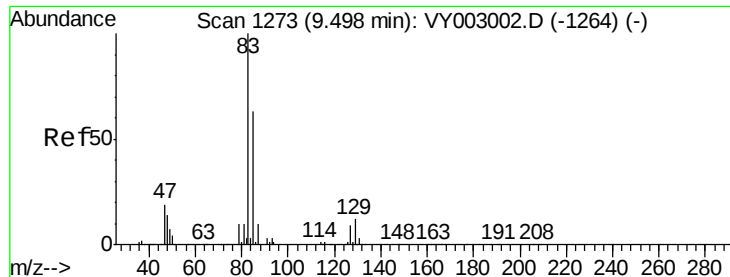
MMDadoda
 7/8/2020 12:20:38 PM



#46
 Dibromomethane
 Concen: 2.718 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	67.6	101.4
174	110.0	88.3	132.5





#47

Bromodichloromethane

Concen: 2.555 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

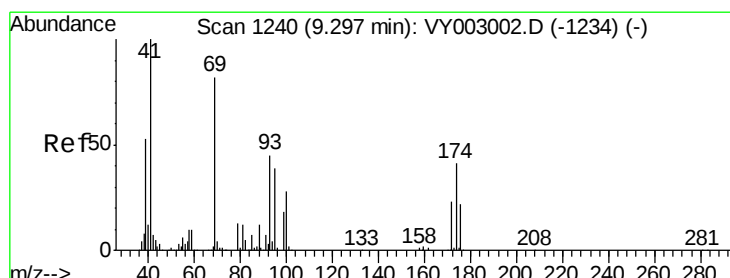
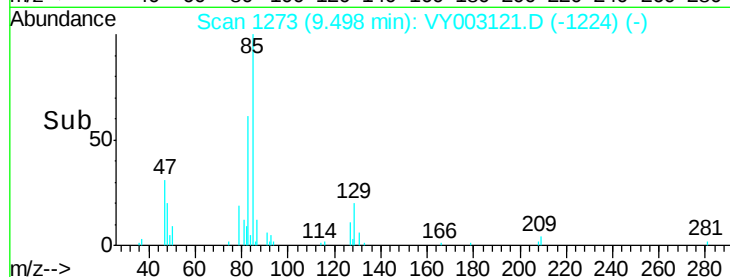
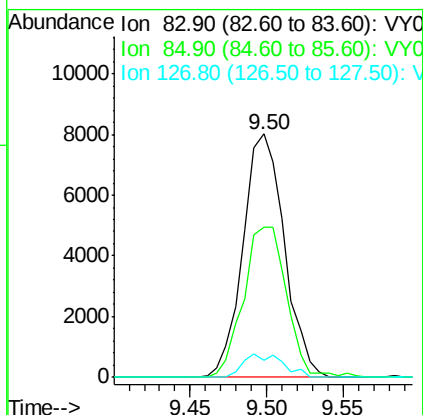
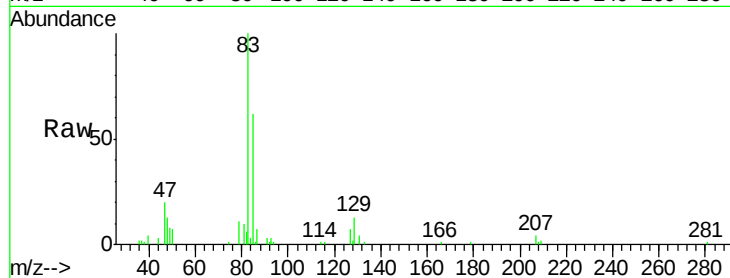
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	83	Resp:	15085
Ion Ratio	Lower	Upper	
83	100		
85	61.8	50.5	75.7
127	6.9	7.0	10.4

Manual Integrations
APPROVED

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#48

Methyl methacrylate

Concen: 2.232 ug/l

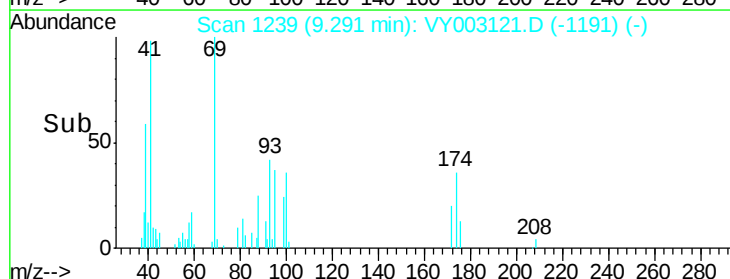
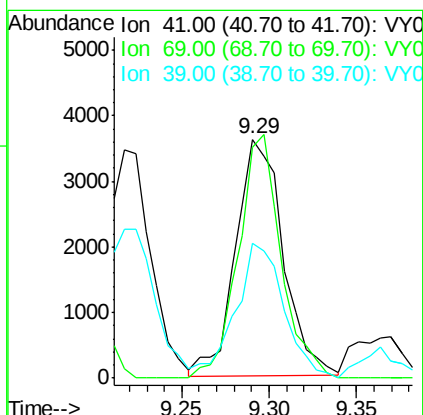
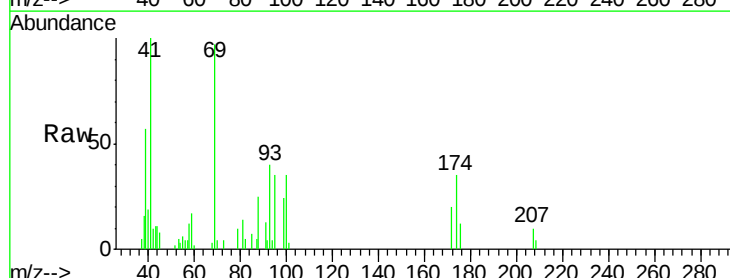
RT: 9.29 min Scan# 1239

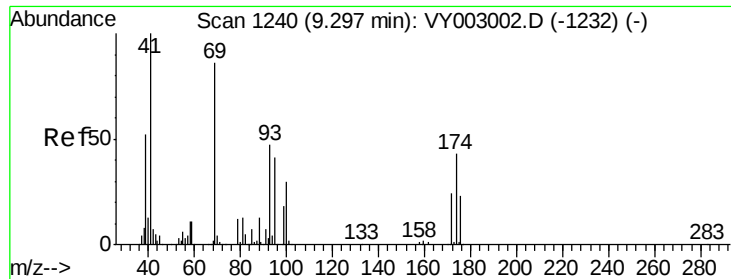
Delta R.T. -0.01 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Tgt Ion:	41	Resp:	6807
Ion Ratio	Lower	Upper	
41	100		
69	92.7	67.7	101.5
39	58.5	45.0	67.4





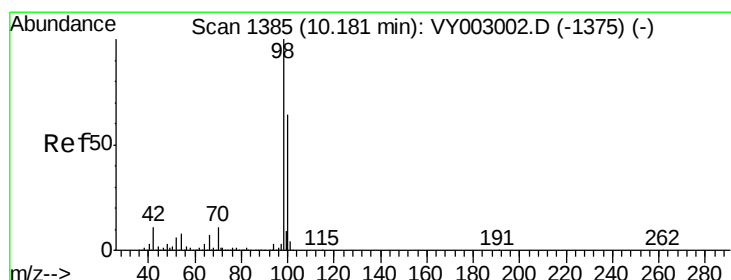
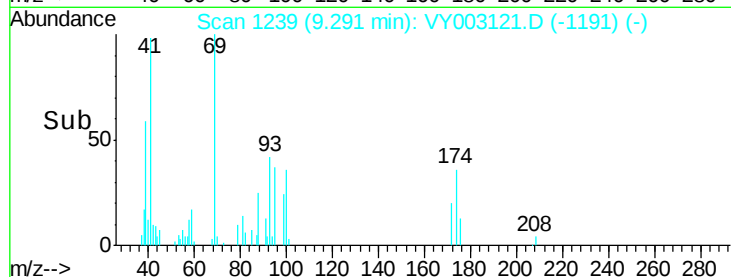
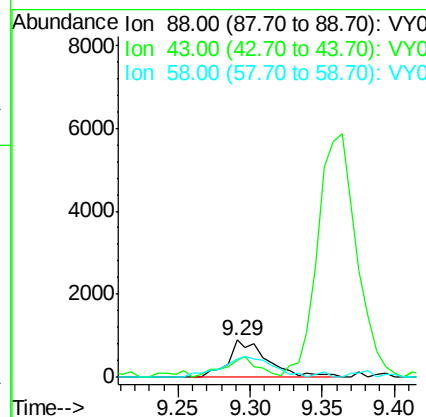
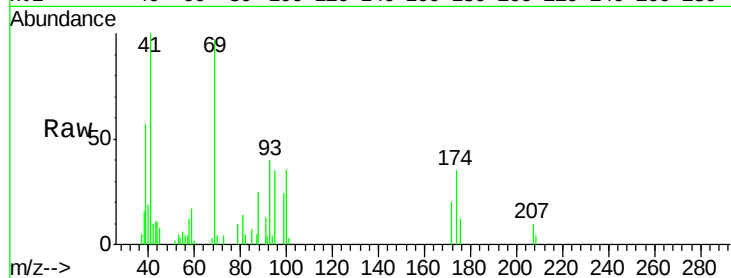
#49
1,4-Dioxane
Concen: 57.762 ug/l
RT: 9.29 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	48.2	28.6	42.8#
58	71.4	56.7	85.1

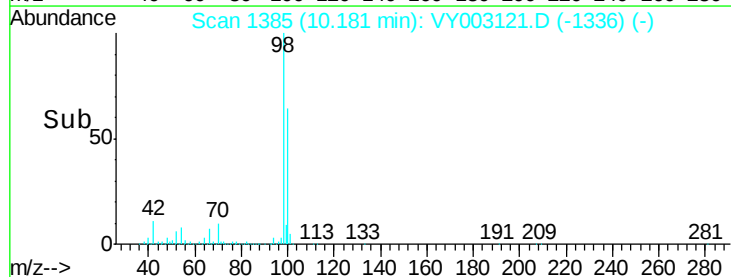
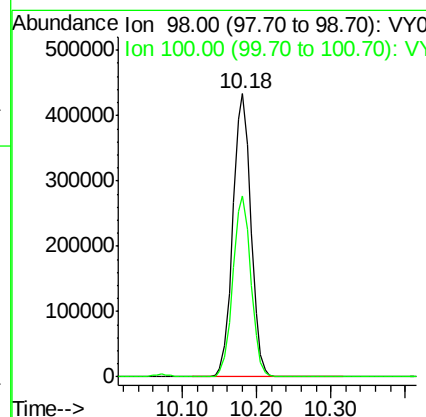
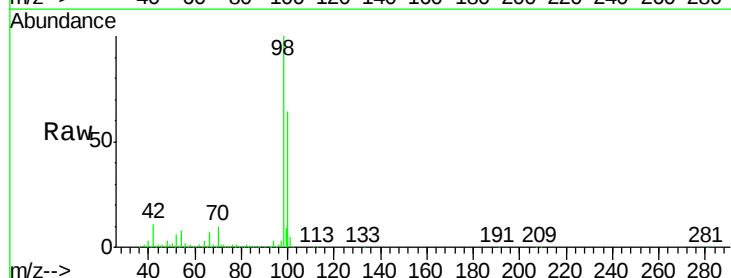
Manual Integrations
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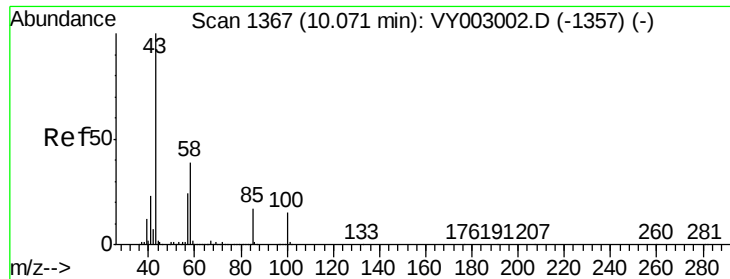
MMDadoda
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#50
Toluene-d8
Concen: 52.017 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 11.198 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 38771

Ion Ratio Lower Upper

43 100

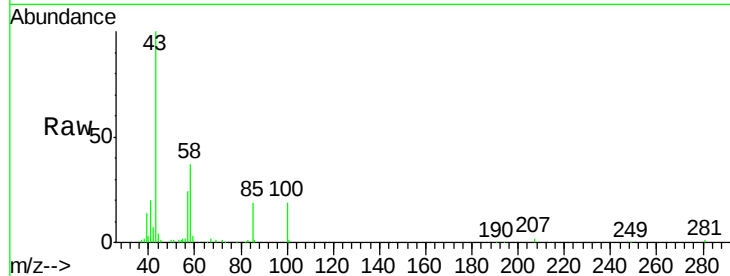
58 39.7 31.1 46.7

Manual Integrations

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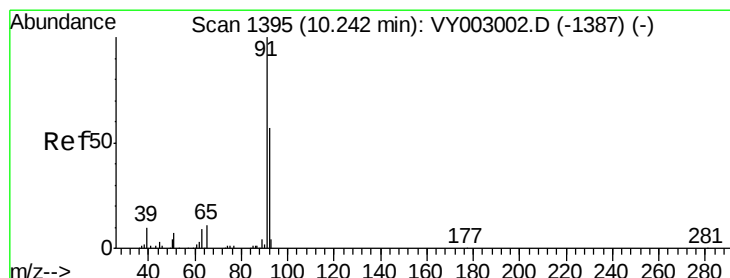
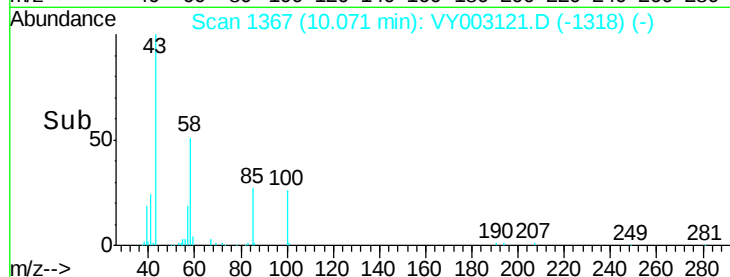
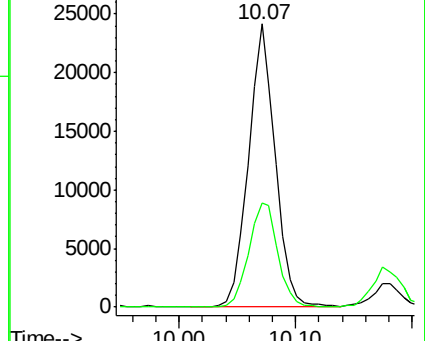
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 2.772 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003121.D

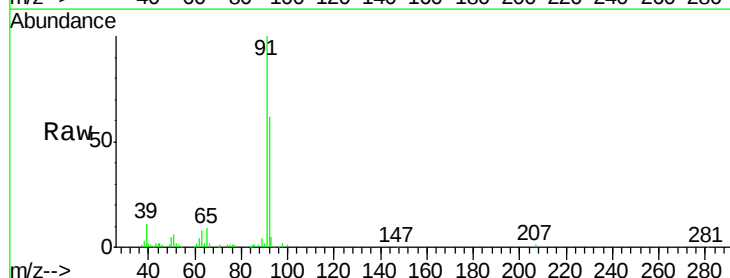
Acq: 07 Jul 2020 13:05

Tgt Ion: 92 Resp: 28003

Ion Ratio Lower Upper

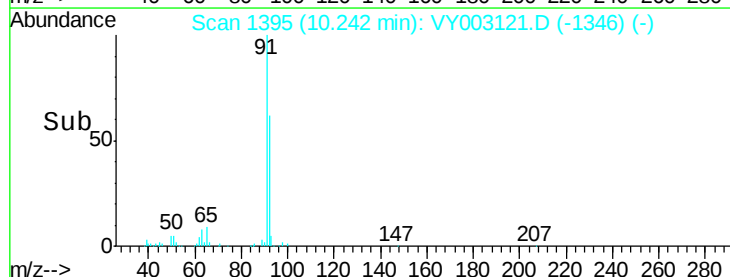
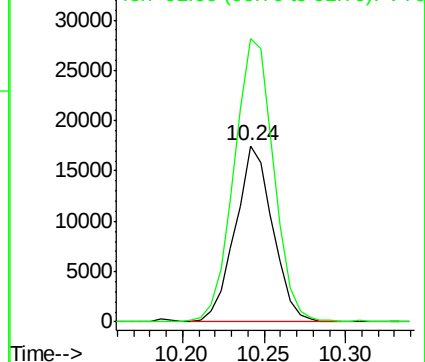
92 100

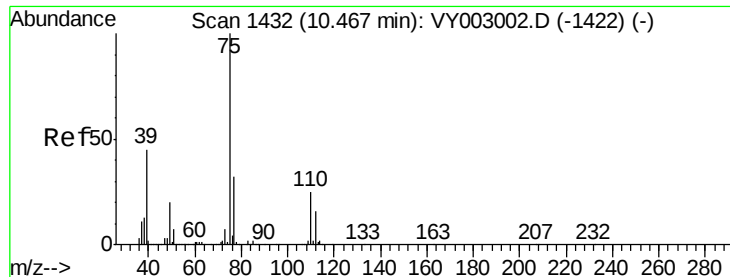
91 169.5 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 2.399 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 75 Resp: 14848

Ion Ratio Lower Upper

75 100

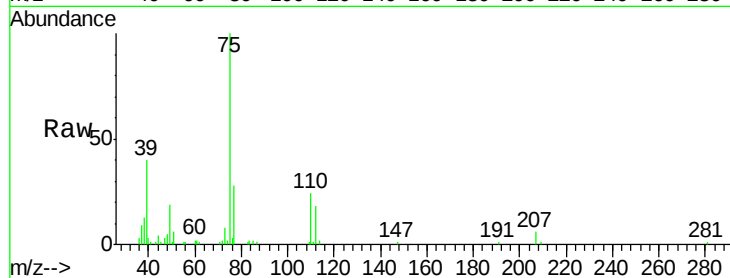
77 28.4 25.9 38.9

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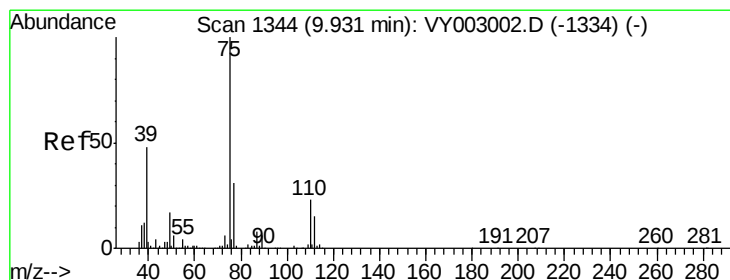
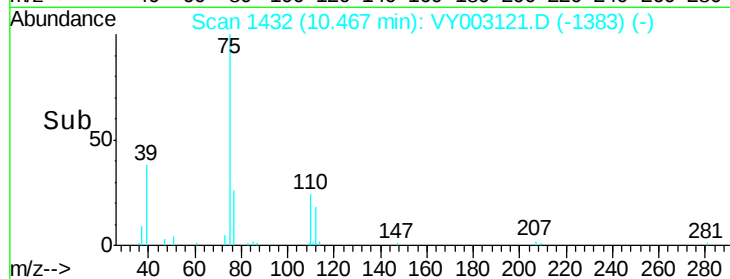
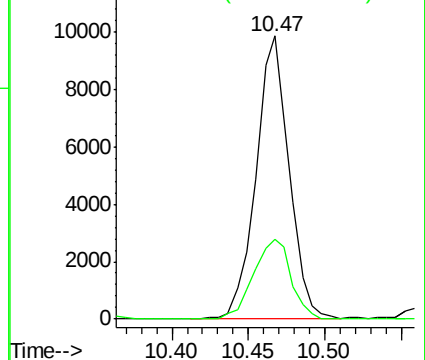
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Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 2.447 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

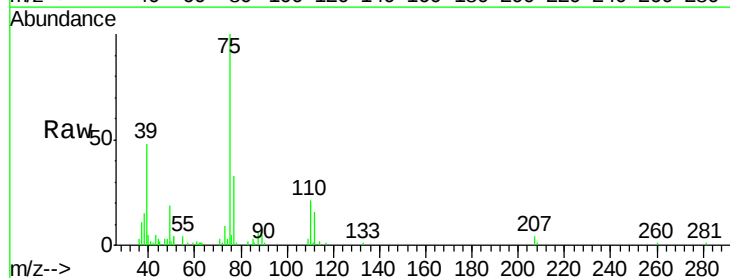
Tgt Ion: 75 Resp: 17325

Ion Ratio Lower Upper

75 100

77 33.1 24.6 37.0

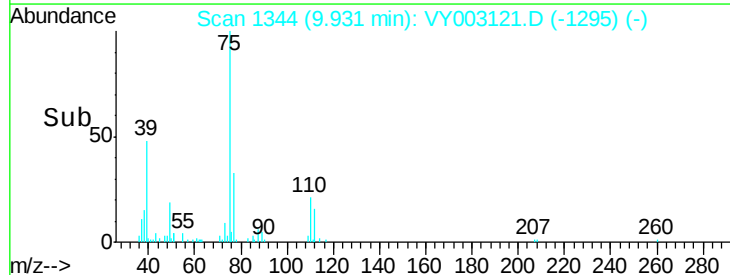
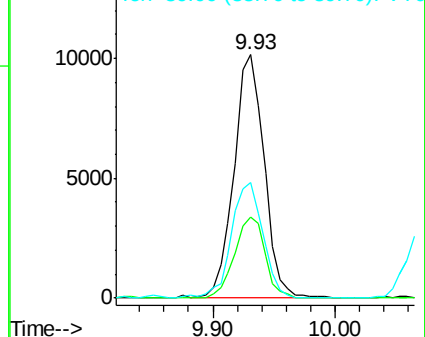
39 47.7 38.3 57.5

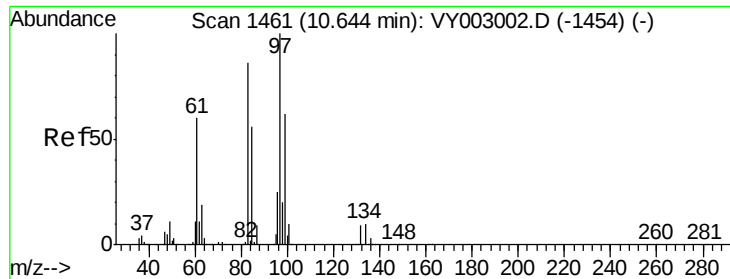


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





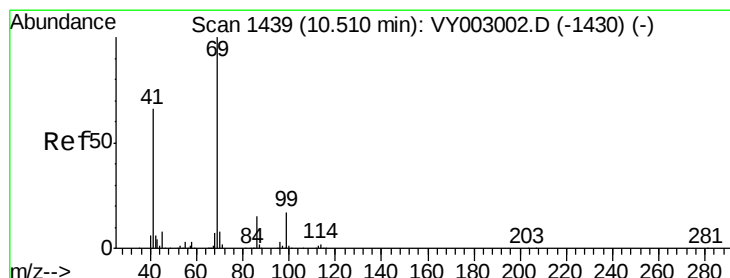
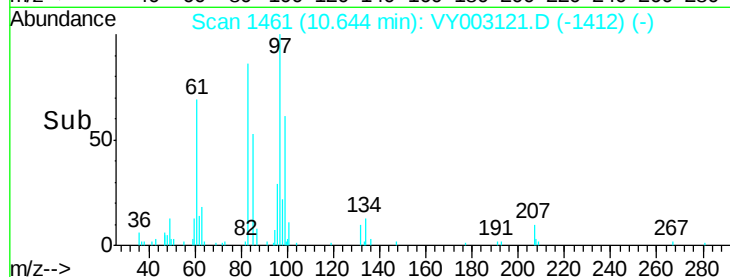
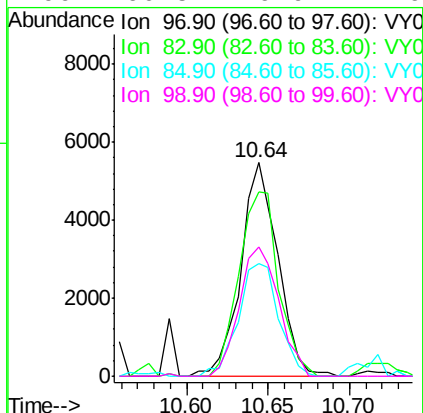
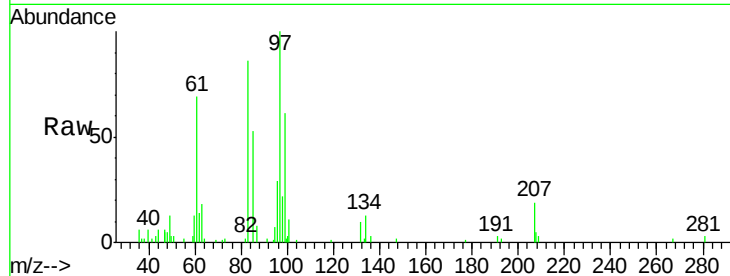
#55
 1,1,2-Trichloroethane
 Concen: 2.586 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

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

Tot Ion:	97	Resp:	8664
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.0	103.6
85	52.6	44.8	67.2
99	60.5	49.9	74.9

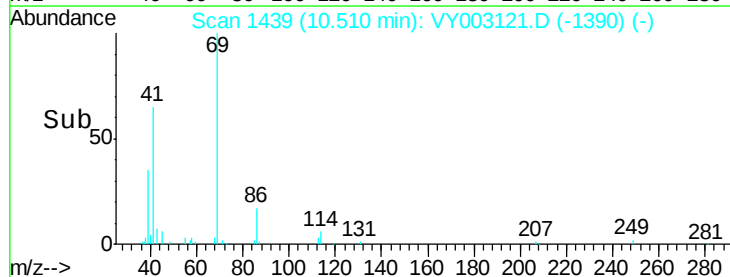
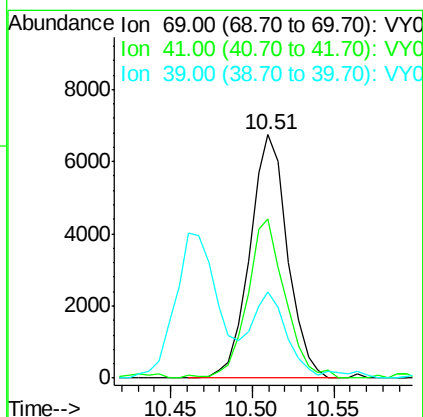
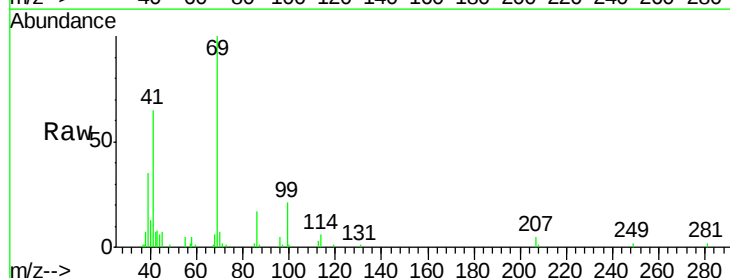
Manual Integrations
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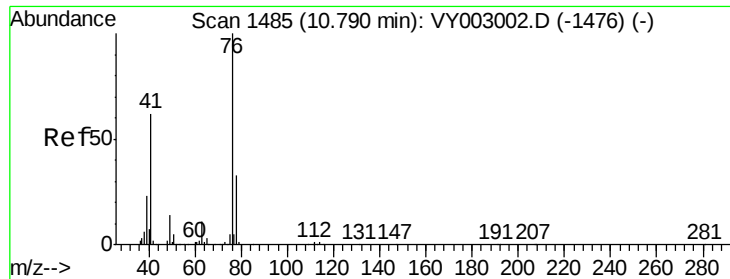
MMDadoda
 7/8/2020 12:20:38 PM



#56
 Ethyl methacrylate
 Concen: 2.221 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion:	69	Resp:	10773
Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.7	80.5
39	30.8	28.3	42.5





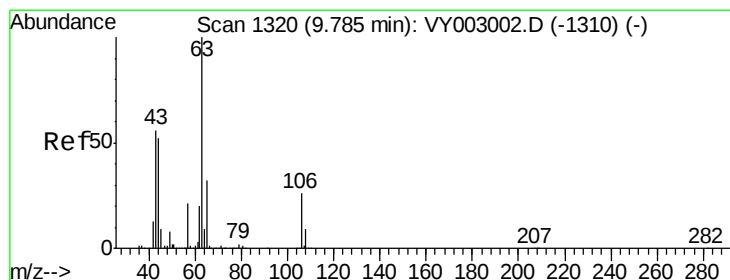
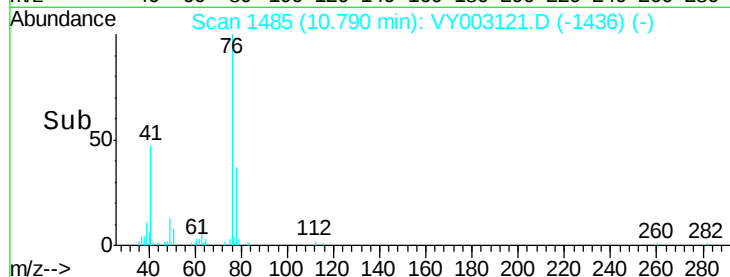
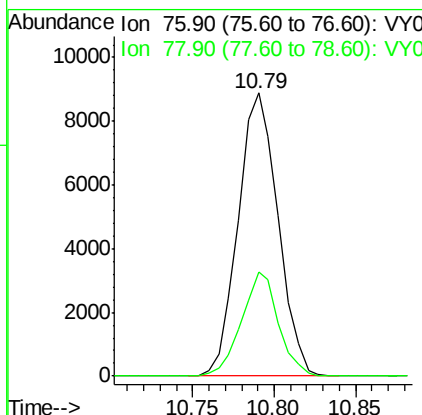
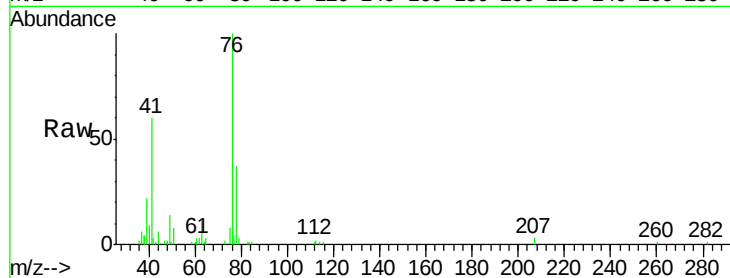
#57
 1,3-Dichloropropane
 Concen: 2.568 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.7	26.0	39.0

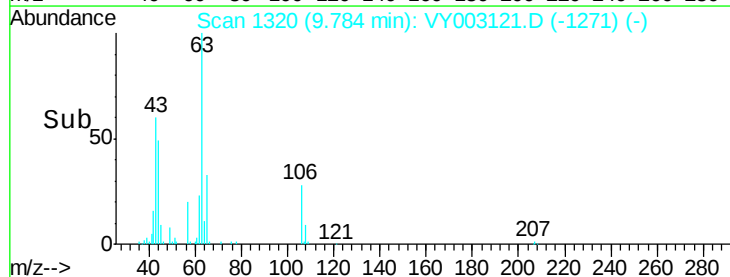
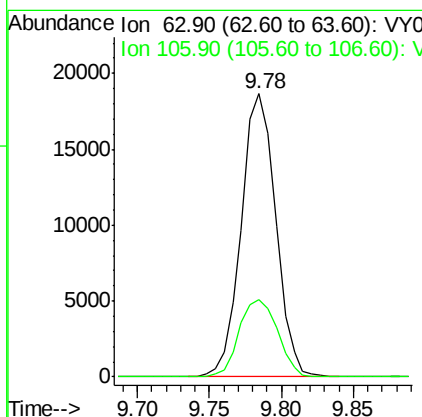
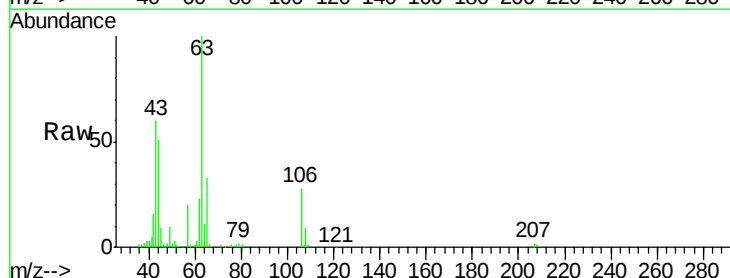
Manual Integrations
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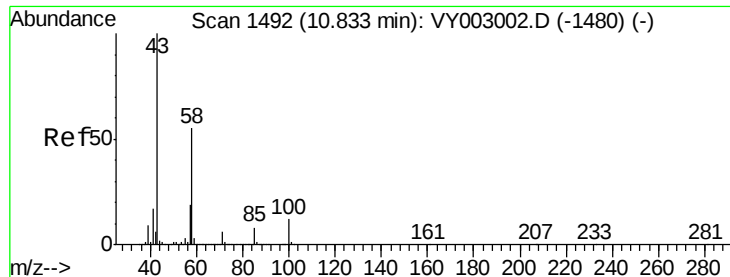
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 12.460 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	21.5	32.3





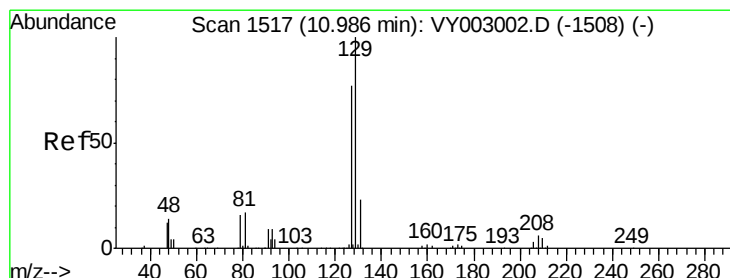
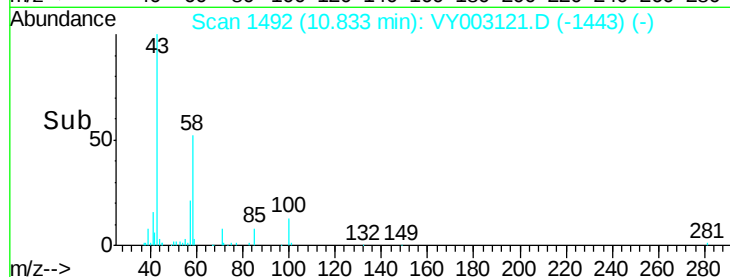
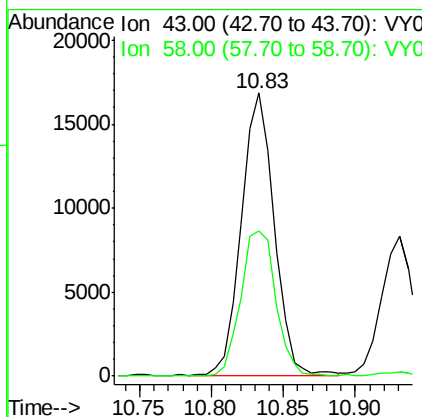
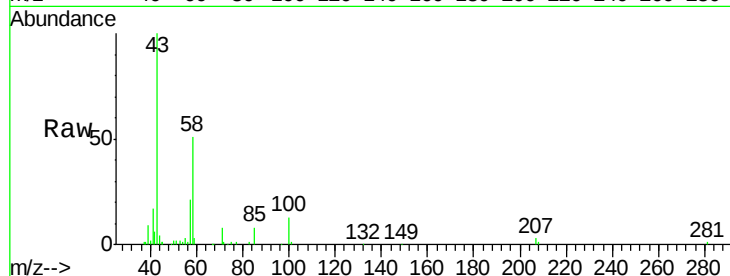
#59
2-Hexanone
Concen: 11.050 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion: 43 Resp: 26742
Ion Ratio Lower Upper
43 100
58 54.9 27.5 82.4

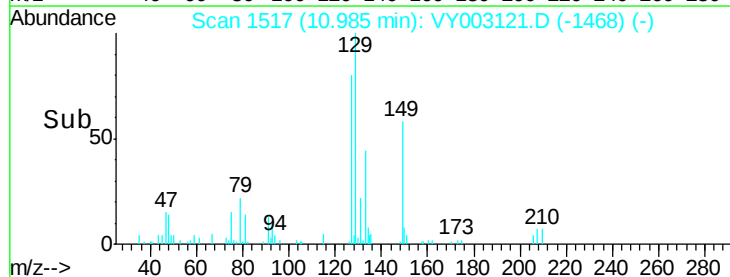
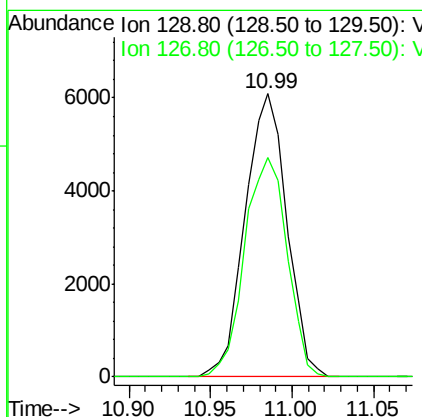
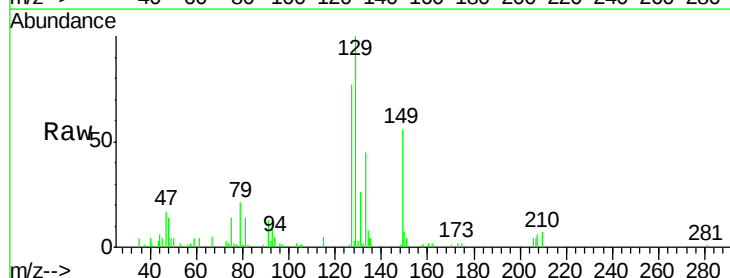
Manual Integrations
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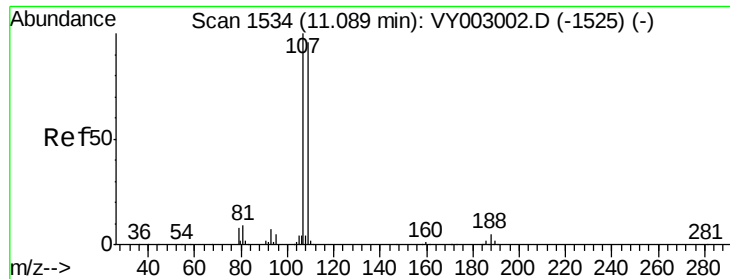
MMDadoda
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#60
Dibromochloromethane
Concen: 2.530 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion: 129 Resp: 10847
Ion Ratio Lower Upper
129 100
127 79.0 39.1 117.3





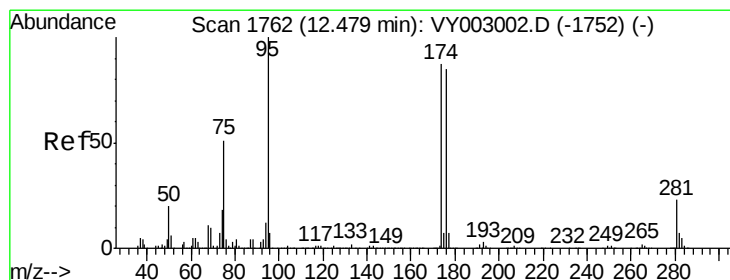
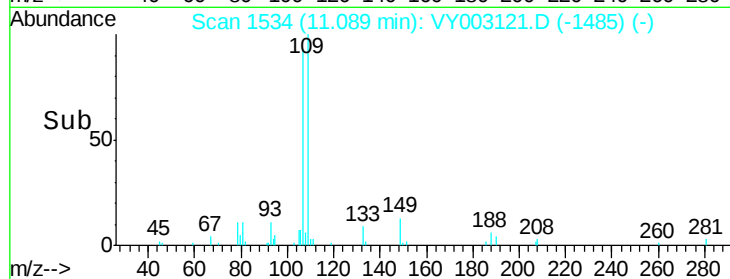
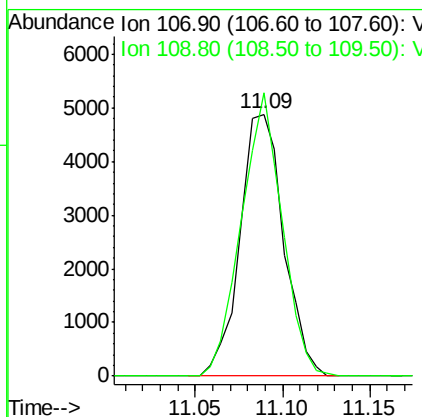
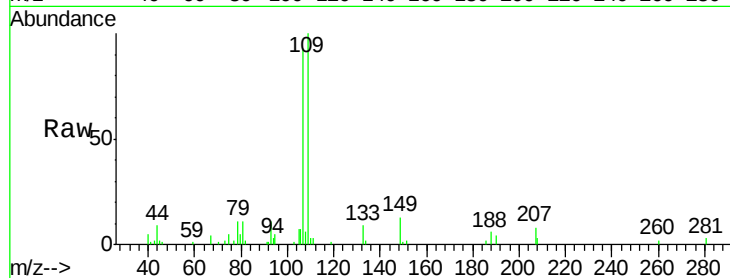
#61
 1,2-Dibromoethane
 Concen: 2.570 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
107	100		
109	100.8	75.8	113.8

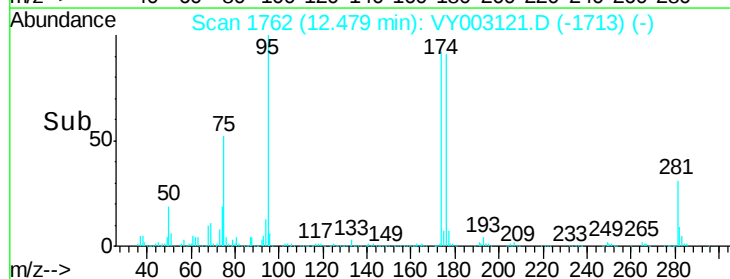
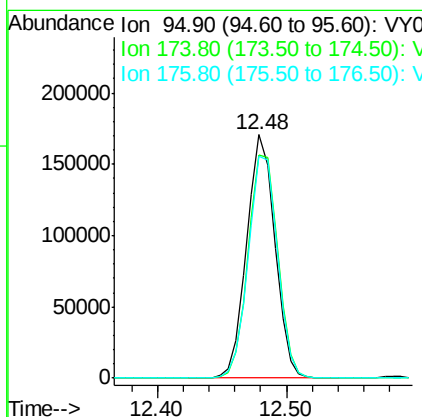
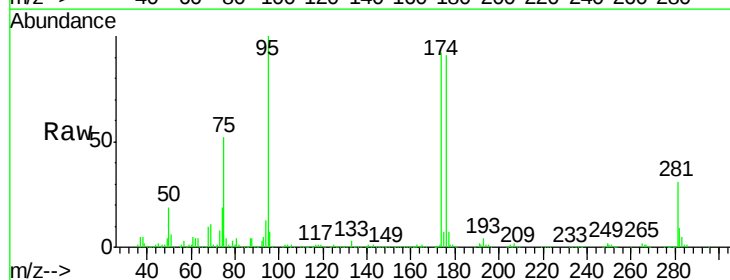
Manual Integrations
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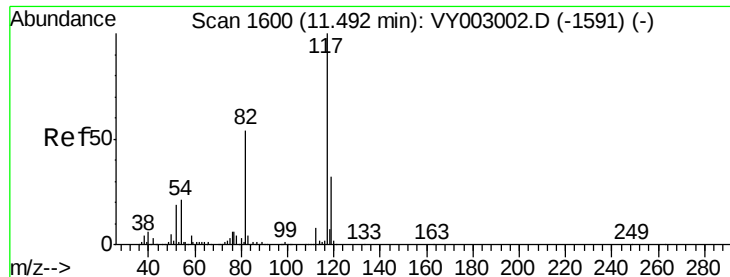
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#62
 4-Bromofluorobenzene
 Concen: 51.796 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.1	0.0	184.8
176	94.1	0.0	183.0





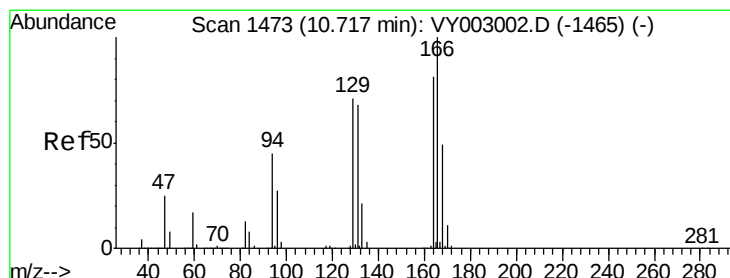
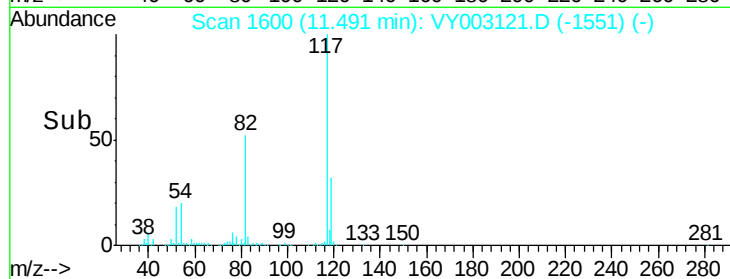
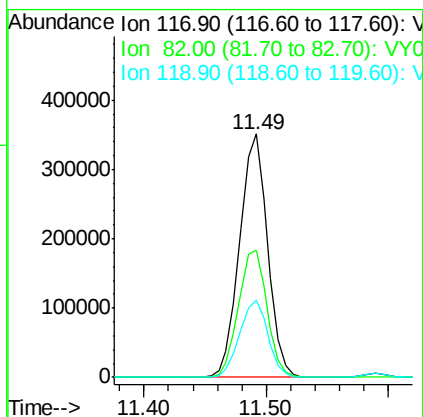
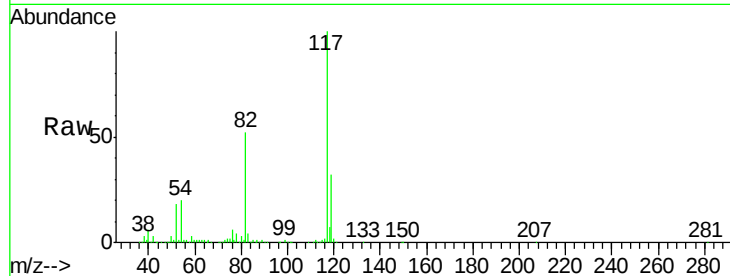
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	554414		
82	52.3		43.0	64.6
119	31.7		25.8	38.8

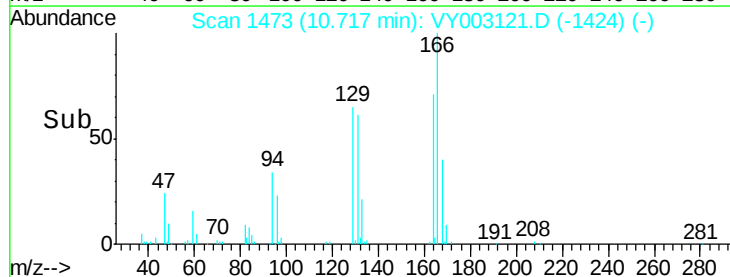
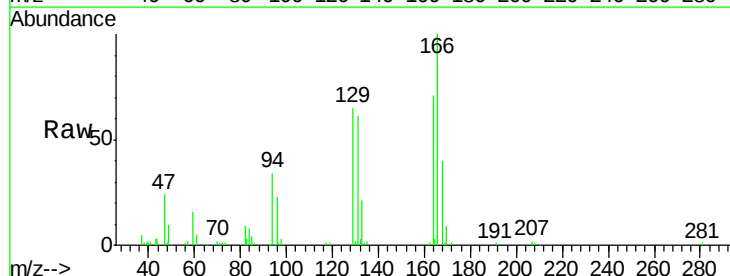
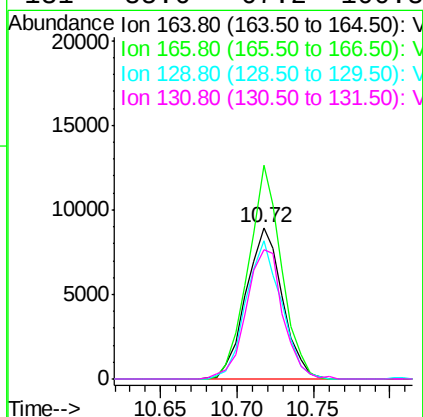
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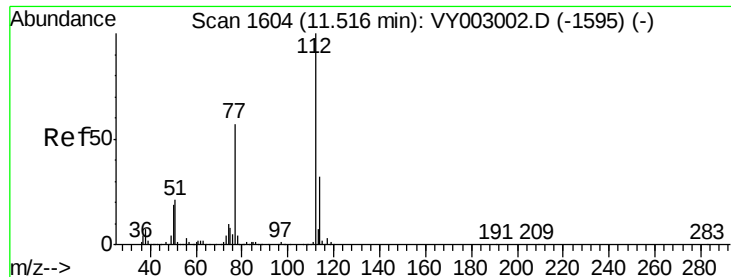
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#64
Tetrachloroethene
Concen: 3.156 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	14811		
166	141.0		98.5	147.7
129	91.3		69.7	104.5
131	85.6		67.2	100.8





#65

Chlorobenzene

Concen: 2.797 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:112 Resp: 30579

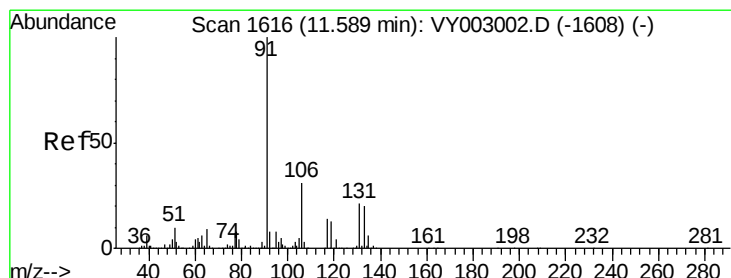
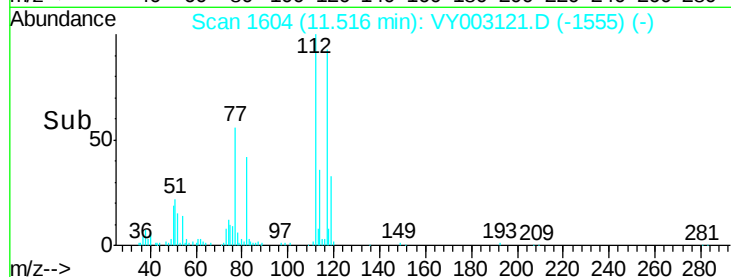
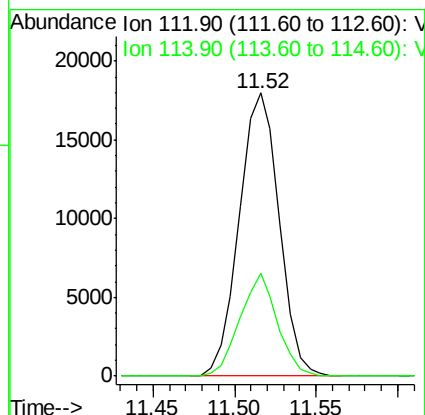
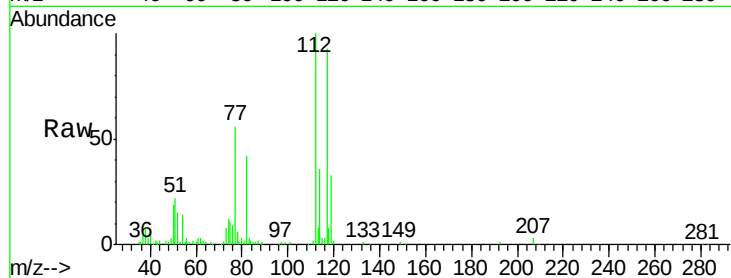
Ion Ratio Lower Upper

112 100

114 36.5 25.7 38.5

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 2.459 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

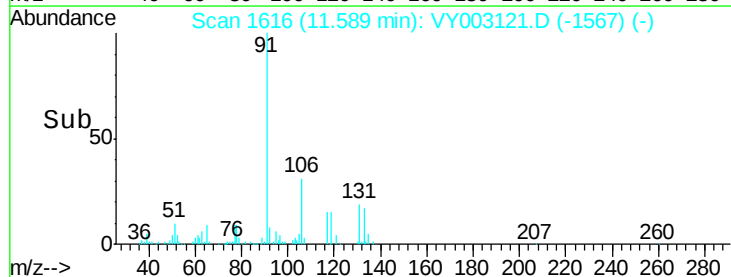
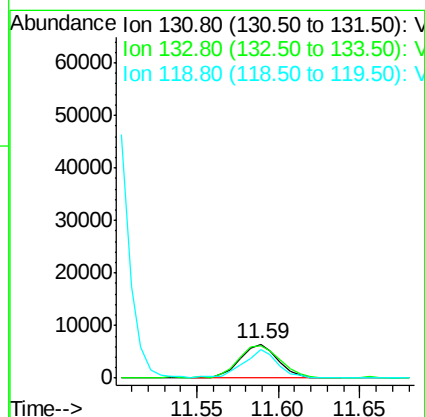
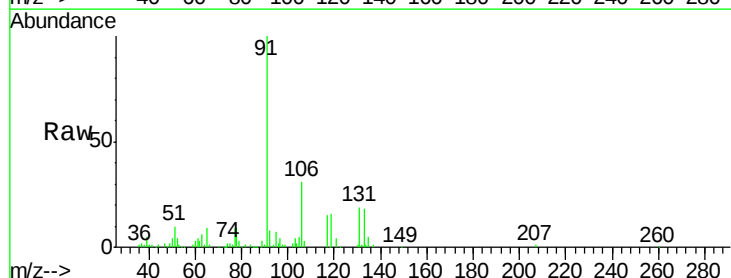
Tgt Ion:131 Resp: 10494

Ion Ratio Lower Upper

131 100

133 101.5 47.9 143.8

119 76.6 31.8 95.3





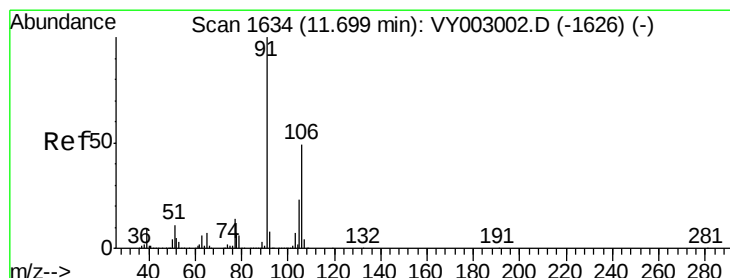
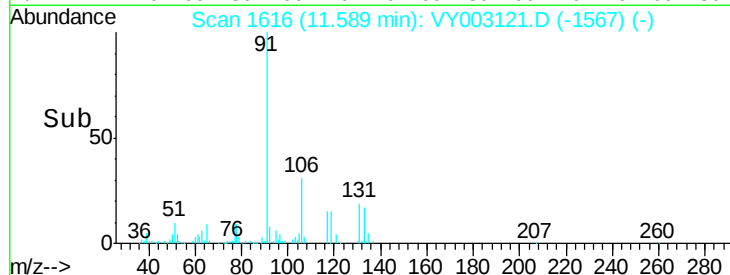
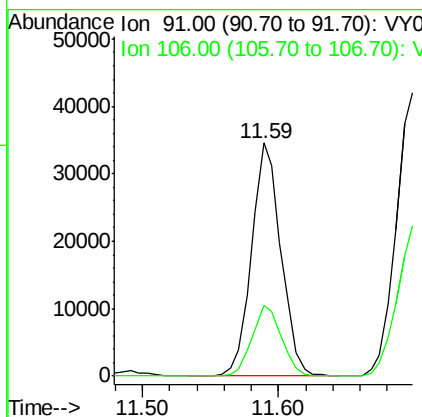
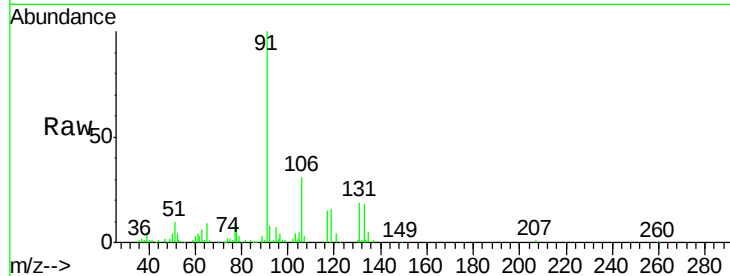
#67
Ethyl Benzene
Concen: 2.624 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion: 91 Resp: 52482
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.4

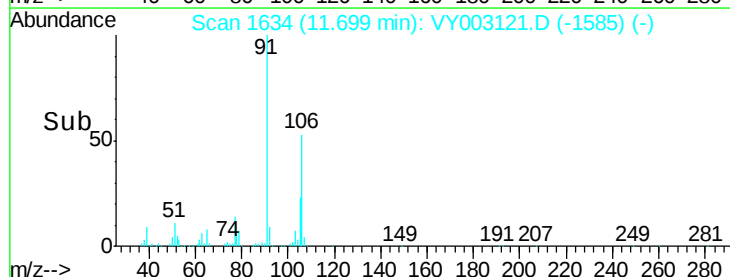
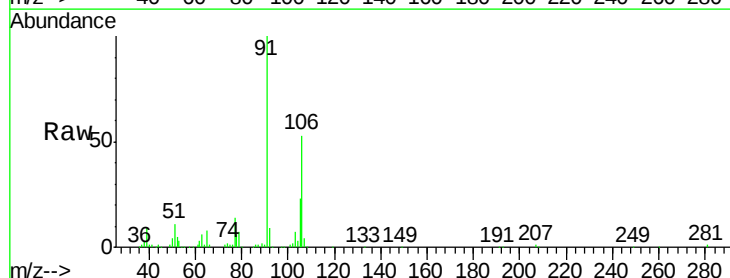
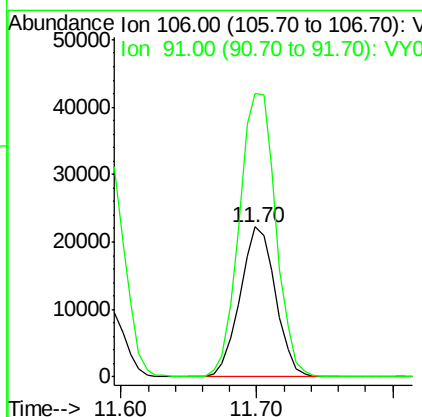
Manual Integrations
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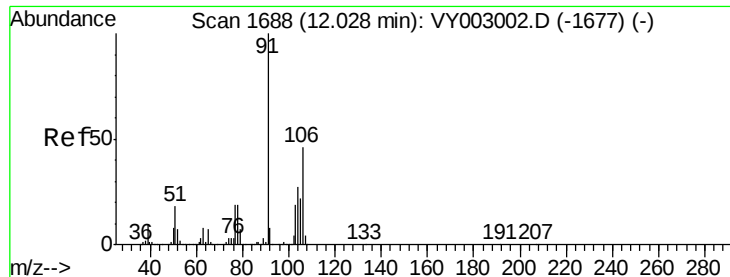
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#68
m/p-Xylenes
Concen: 5.455 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion: 106 Resp: 40607
Ion Ratio Lower Upper
106 100
91 194.7 161.9 242.9





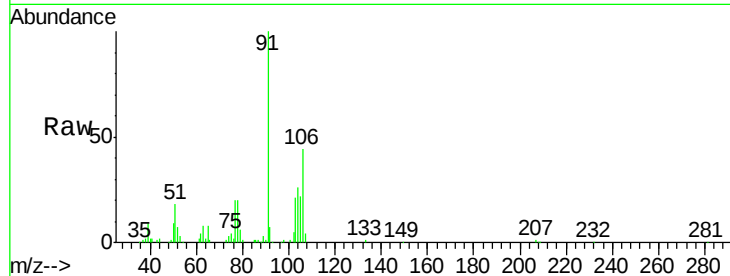
#69
o-Xylene
Concen: 2.595 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

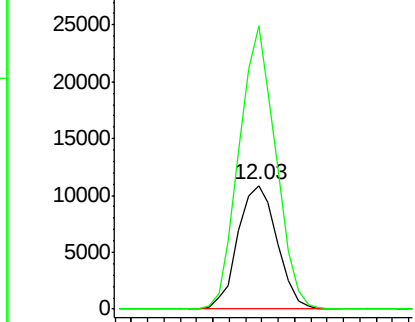
Tot Ion:106 Resp: 18204
Ion Ratio Lower Upper
106 100
91 213.5 107.9 323.8

Manual Integrations
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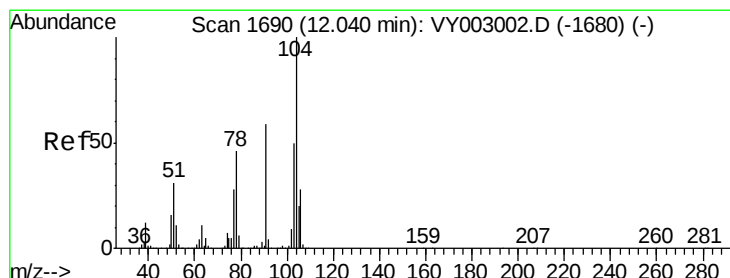
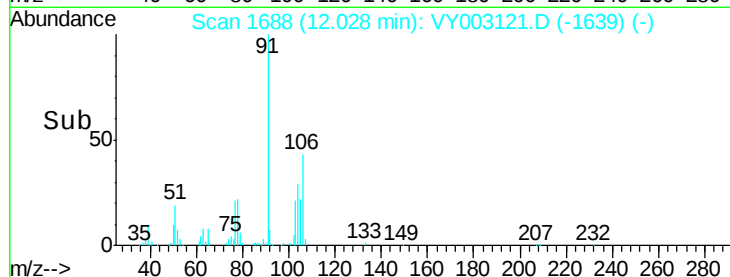
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

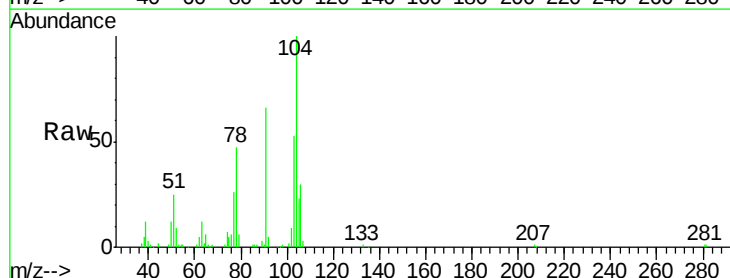


Time--> 11.95 12.00 12.05 12.10

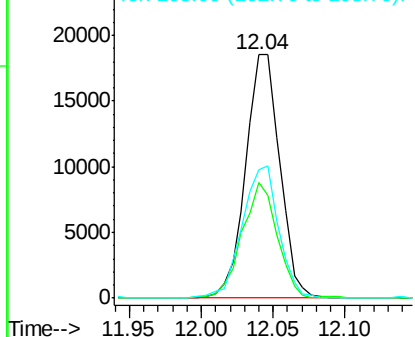


#70
Styrene
Concen: 2.534 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

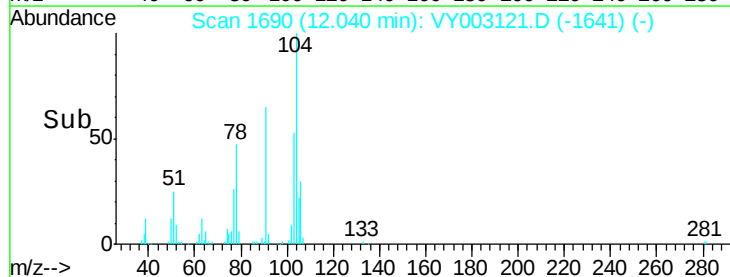
Tgt Ion:104 Resp: 30366
Ion Ratio Lower Upper
104 100
78 49.0 40.4 60.6
103 58.1 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V



Time--> 11.95 12.00 12.05 12.10





#71

Bromoform

Concen: 2.598 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

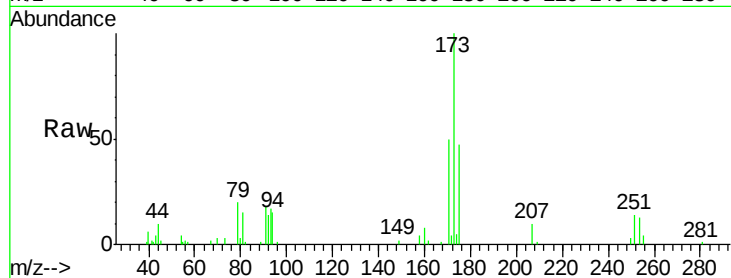
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

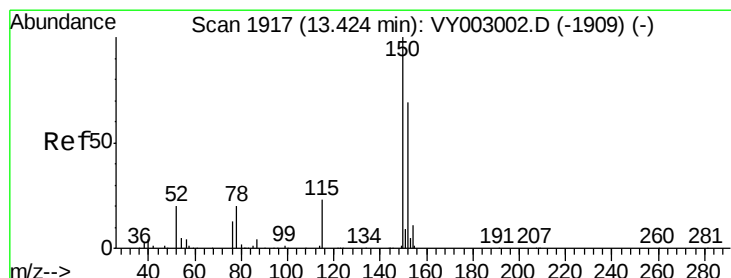
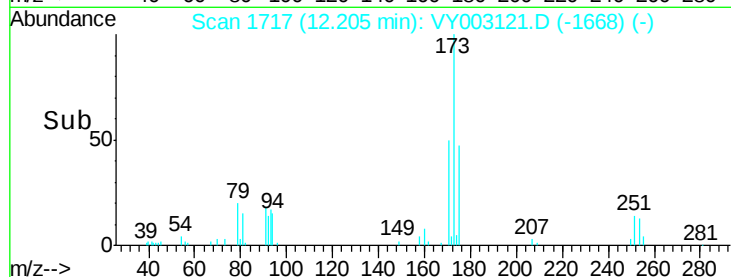
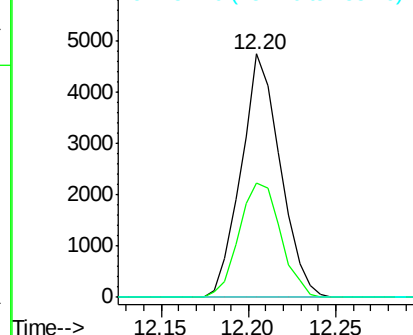
Tot Ion:	173	Resp:	7393
Ion Ratio	Lower	Upper	
173	100		
175	50.0	24.6	73.6
254	0.0	0.2	0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

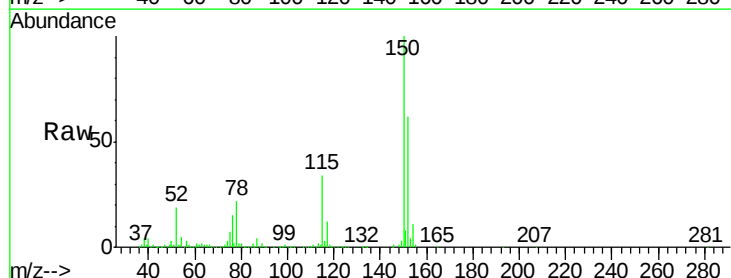
RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

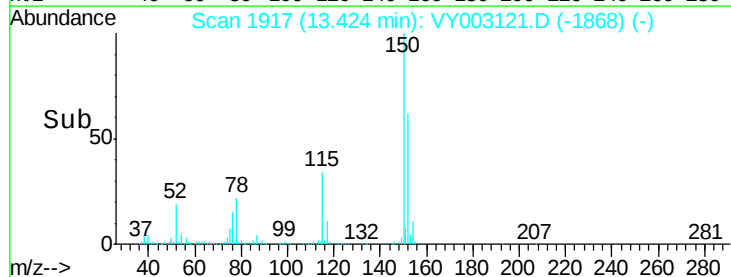
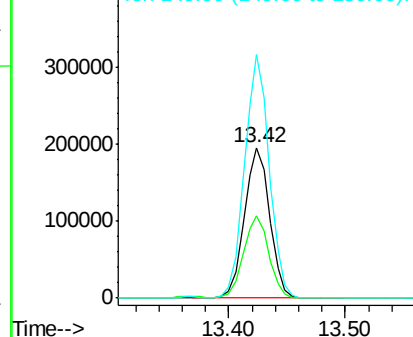
Lab File: VY003121.D

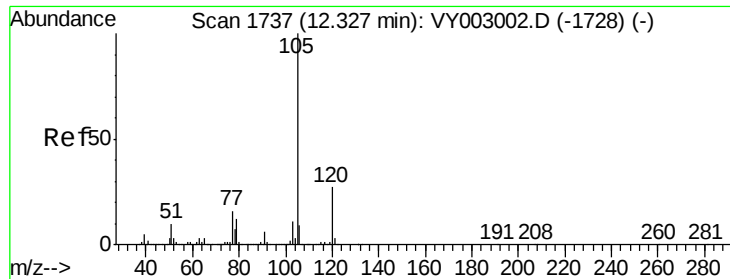
Acq: 07 Jul 2020 13:05

Tgt Ion:	152	Resp:	295420
Ion Ratio	Lower	Upper	
152	100		
115	54.7	27.3	81.9
150	157.9	0.0	343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.654 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 105 Resp: 51322

Ion Ratio Lower Upper

105 100

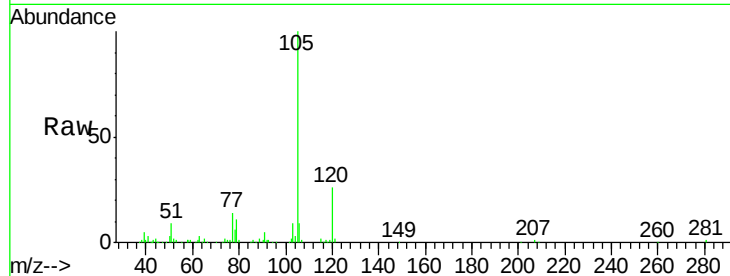
120 26.2 13.4 40.1

Manual Integrations

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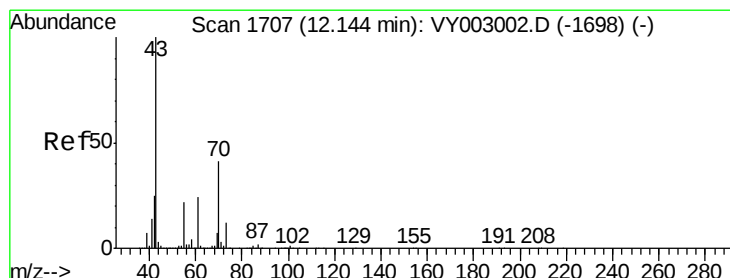
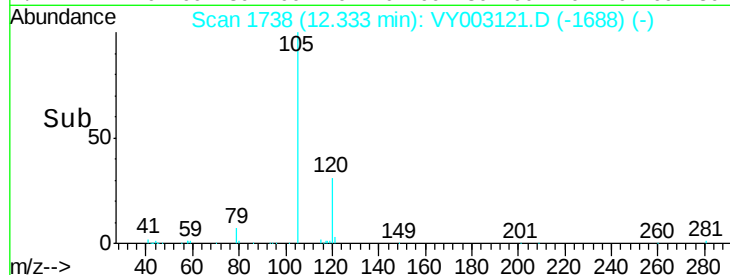
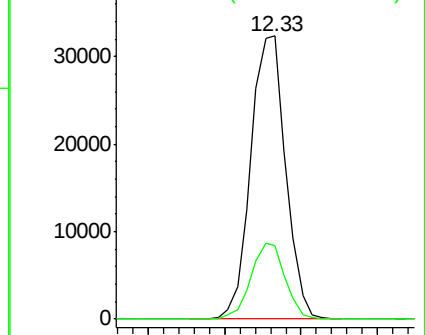
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.026 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Tgt Ion: 43 Resp: 12750

Ion Ratio Lower Upper

43 100

70 44.3 33.0 49.4

55 27.0 18.2 27.2

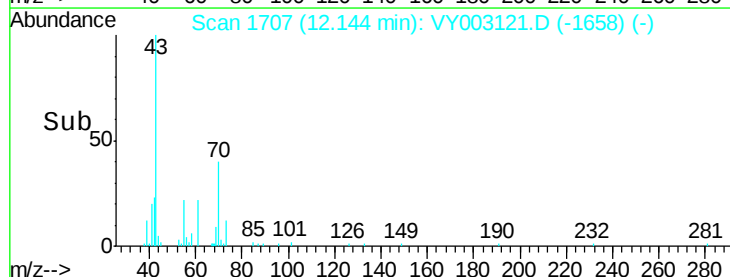
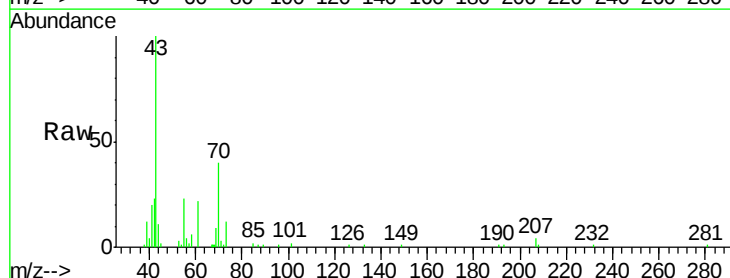
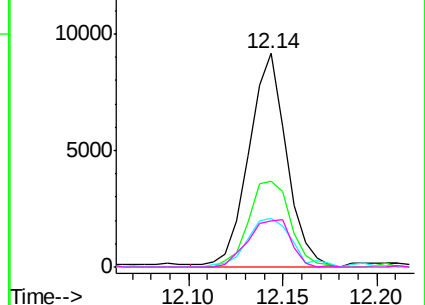
61 25.1 19.4 29.2

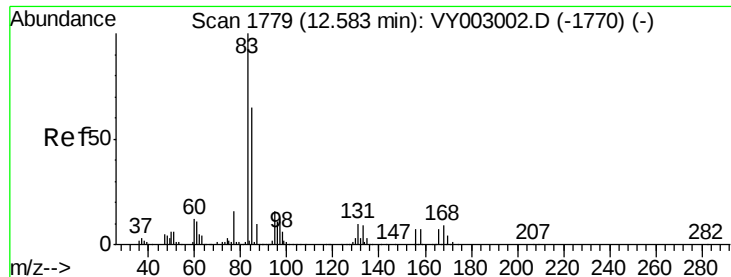
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 2.529 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

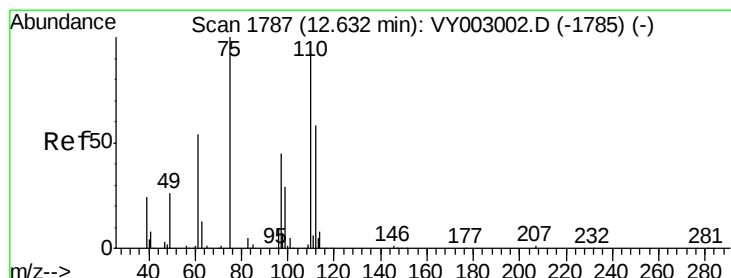
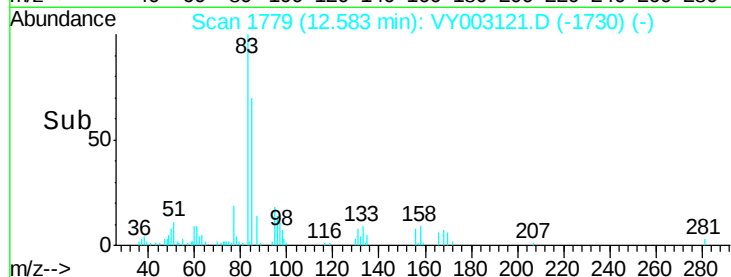
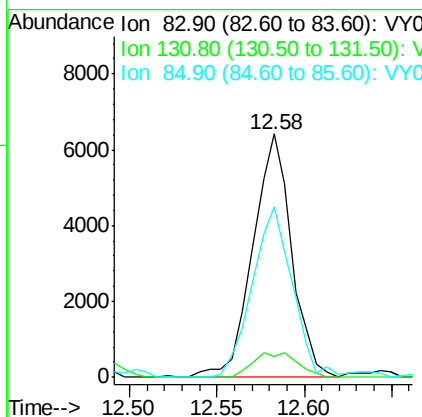
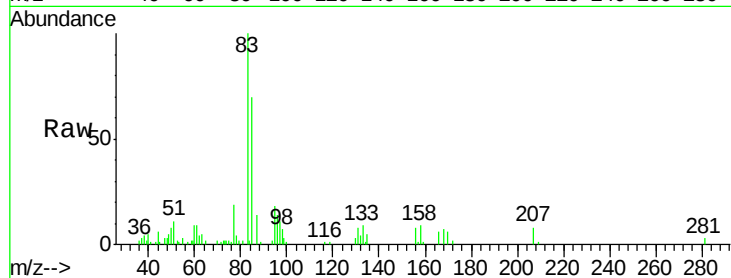
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	83	Resp:	9867
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.3	16.1
85	72.8	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 2.512 ug/l m

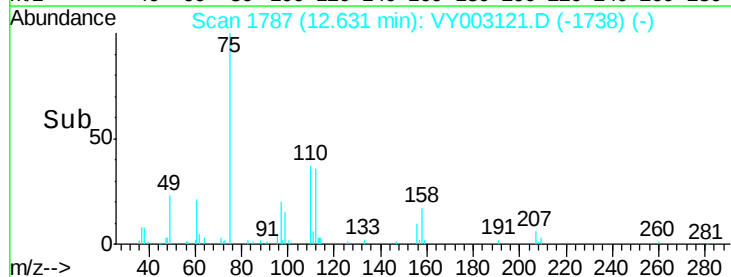
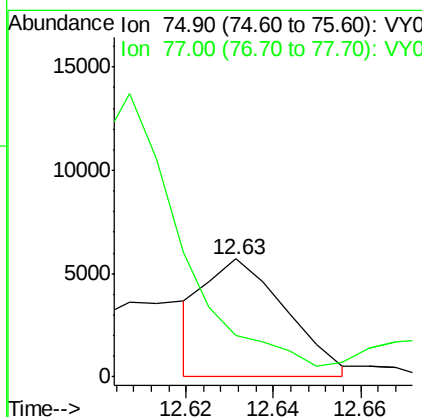
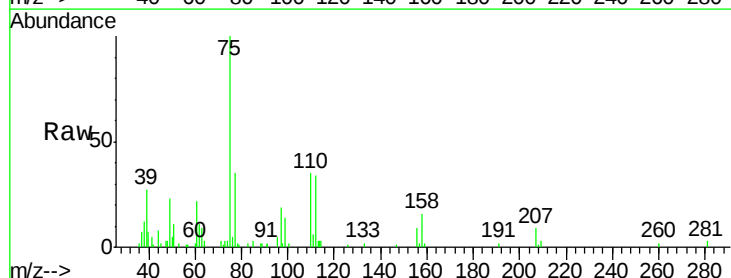
RT: 12.63 min Scan# 1787

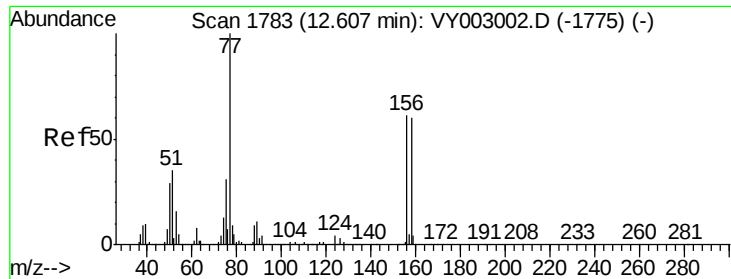
Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Tgt Ion:	75	Resp:	7345
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





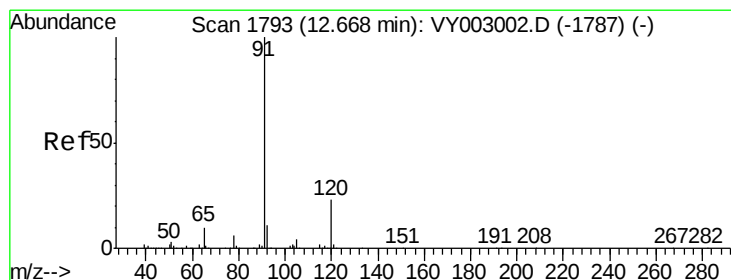
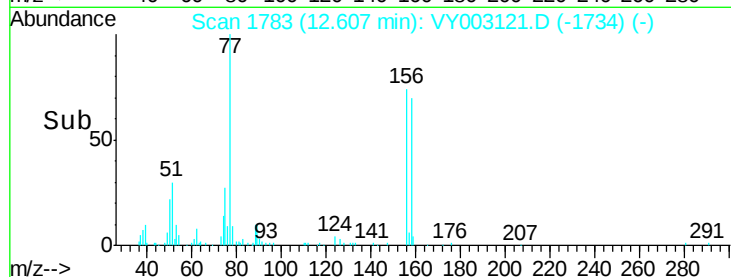
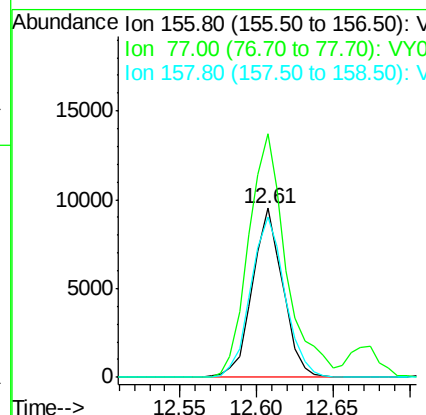
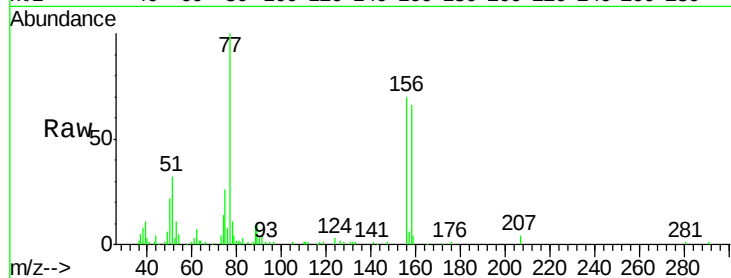
#77
Bromobenzene
Concen: 2.672 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.0	90.0	270.0
158	105.9	48.5	145.5

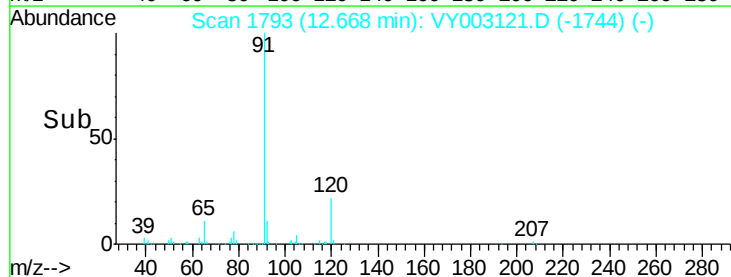
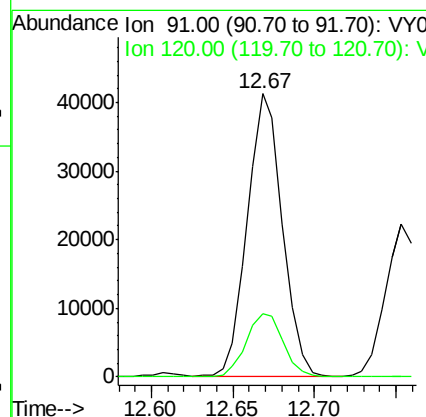
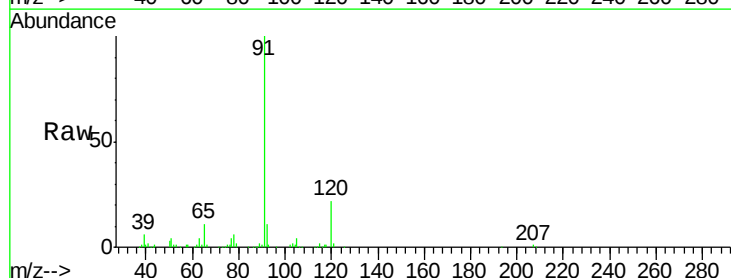
Manual Integrations
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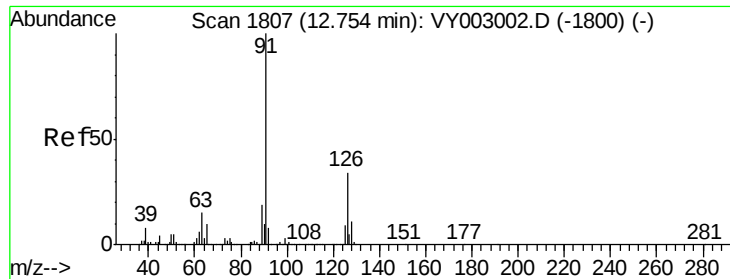
MMDadoda
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#78
n-propylbenzene
Concen: 2.637 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.5	34.5





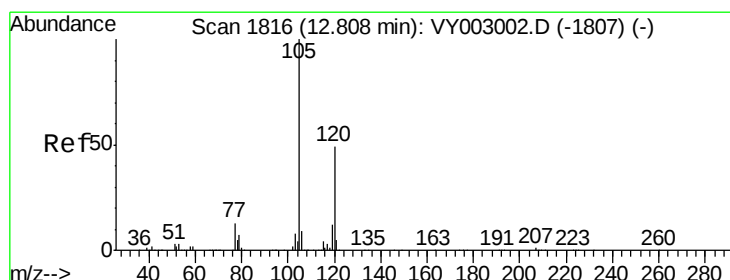
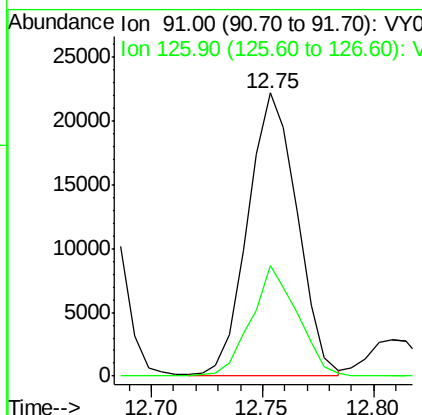
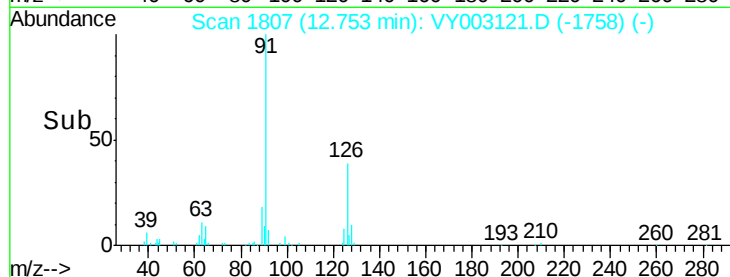
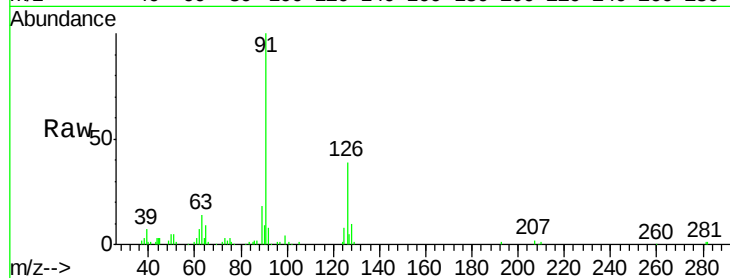
#79
 2-Chlorotoluene
 Concen: 2.625 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

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

Tot Ion: 91 Resp: 34064
 Ion Ratio Lower Upper
 91 100
 126 36.7 17.1 51.3

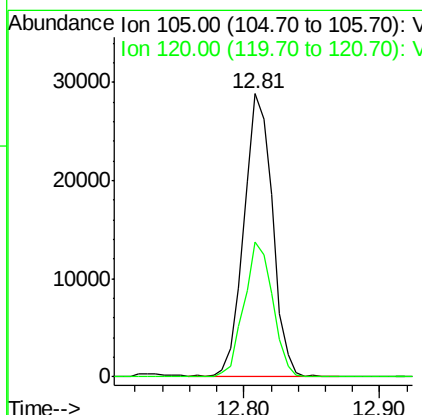
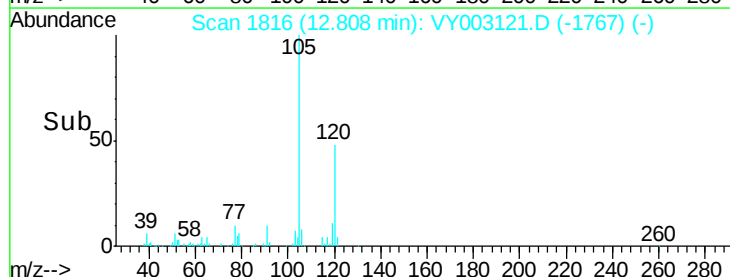
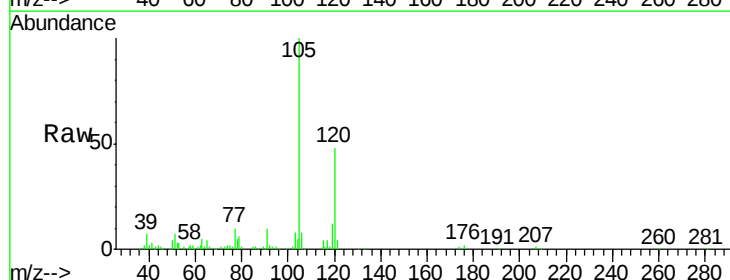
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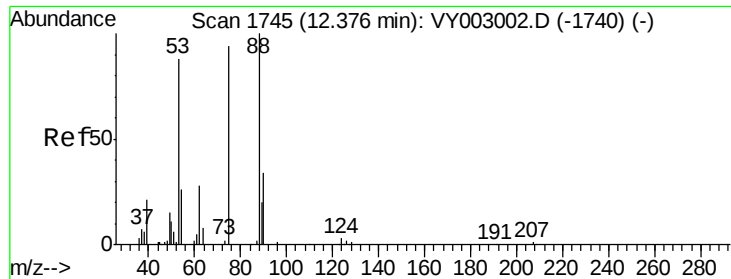
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#80
 1,3,5-Trimethylbenzene
 Concen: 2.620 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion: 105 Resp: 42509
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 2.356 ug/l m

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

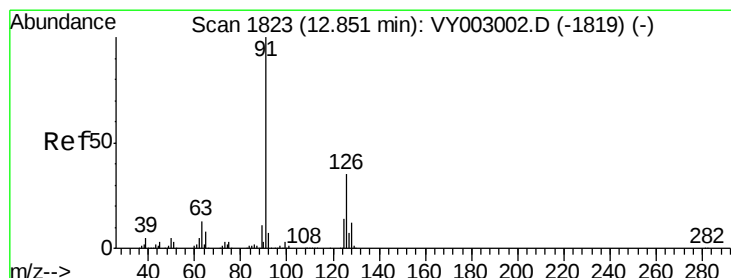
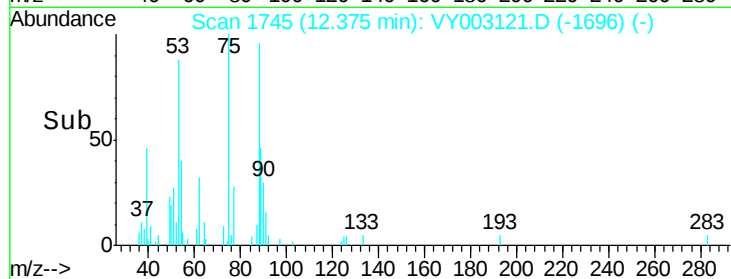
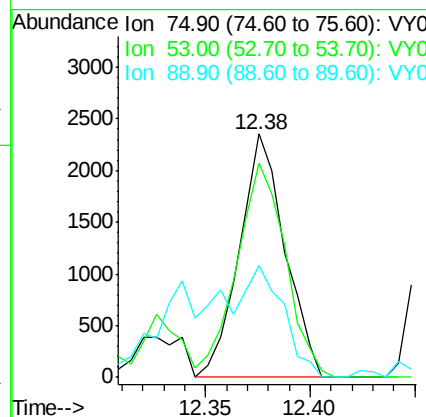
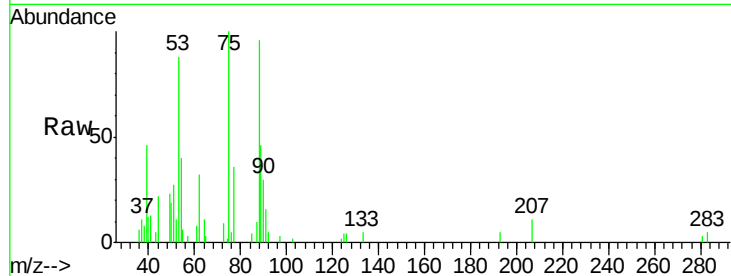
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	75	Resp:	3541
Ion Ratio	Lower	Upper	
75	100		
53	0.0	73.9	110.9#
89	26.0	37.5	56.3#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 2.725 ug/l

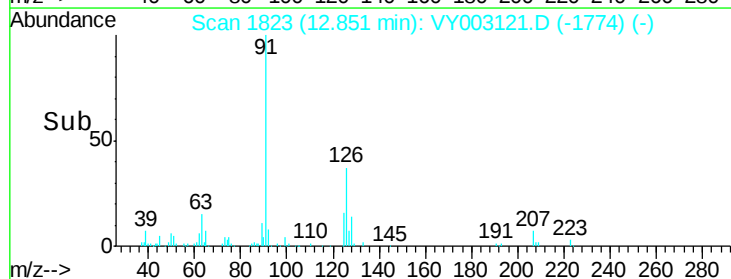
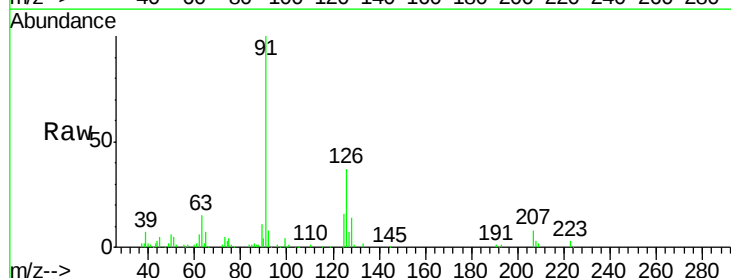
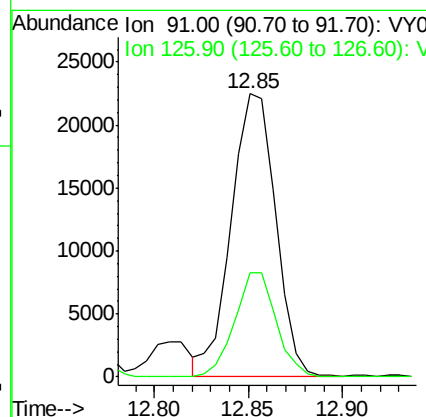
RT: 12.85 min Scan# 1823

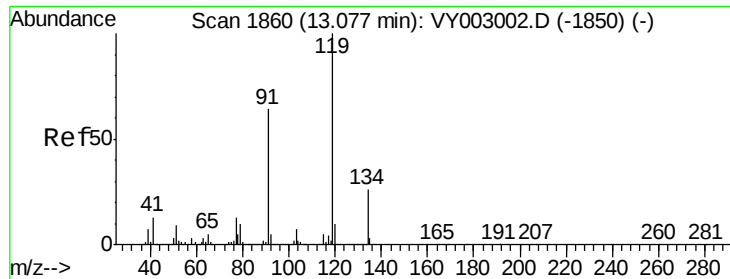
Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Tgt Ion:	91	Resp:	36818
Ion Ratio	Lower	Upper	
91	100		
126	34.4	17.4	52.3





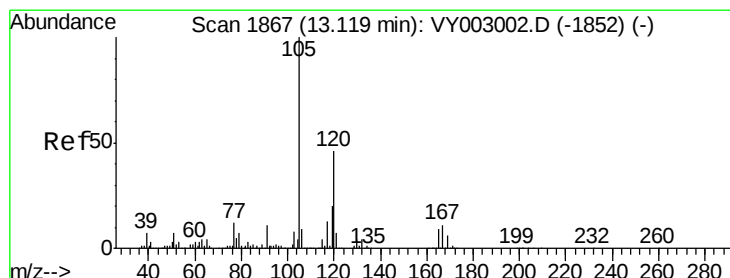
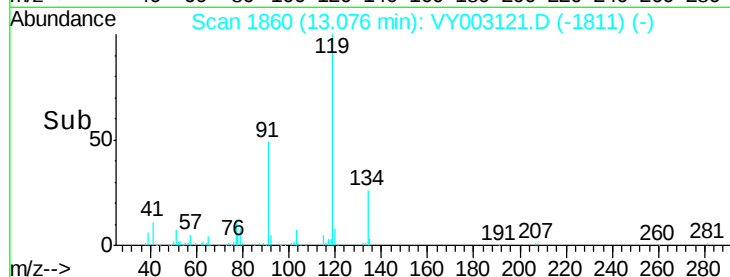
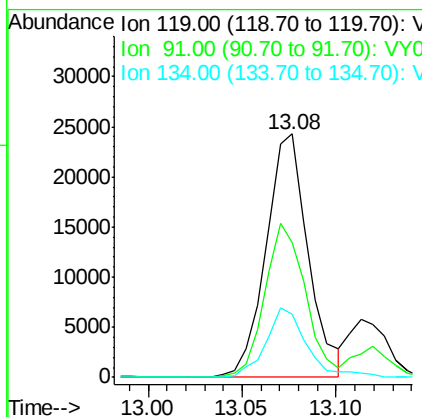
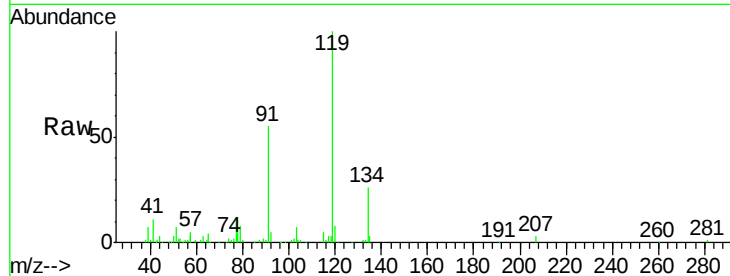
#83
tert-Butylbenzene
Concen: 2.648 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	31.6	95.0
134	27.9	13.2	39.5

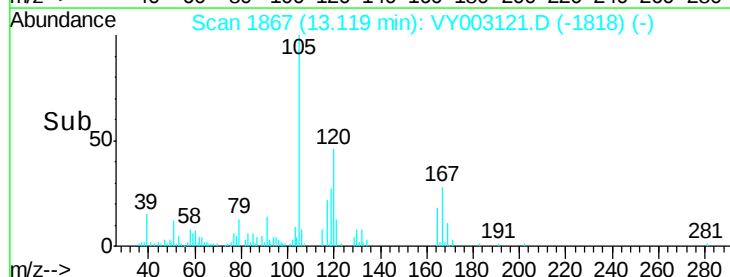
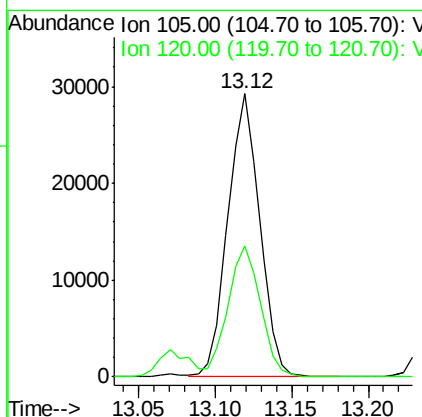
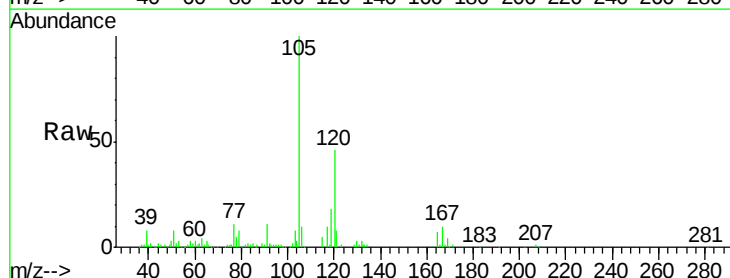
Manual Integrations
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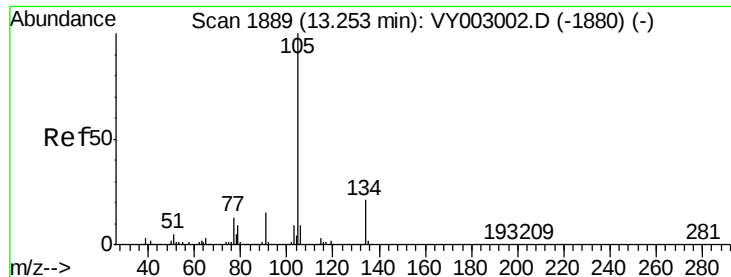
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#84
1,2,4-Trimethylbenzene
Concen: 2.585 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	22.6	67.8





#85

sec-Butylbenzene

Concen: 2.623 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:105 Resp: 51510

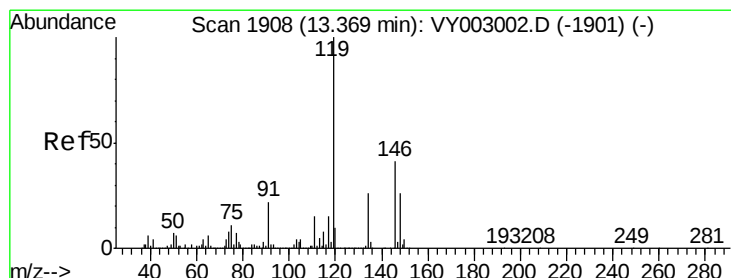
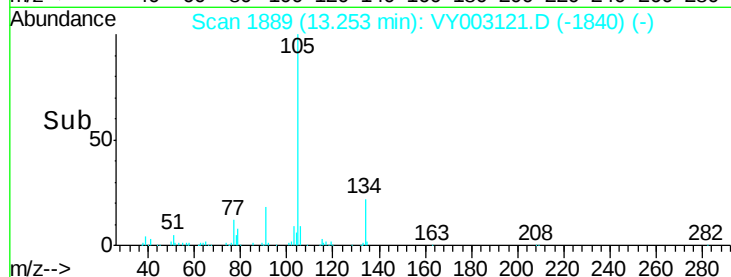
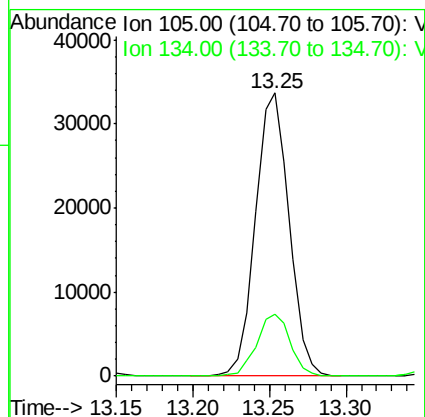
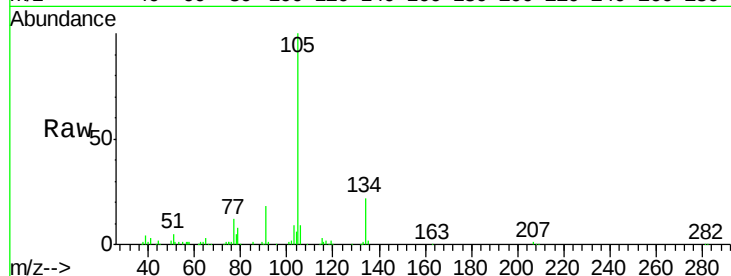
Ion Ratio Lower Upper

105 100

134 21.6 10.4 31.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 2.607 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003121.D

Acq: 07 Jul 2020 13:05

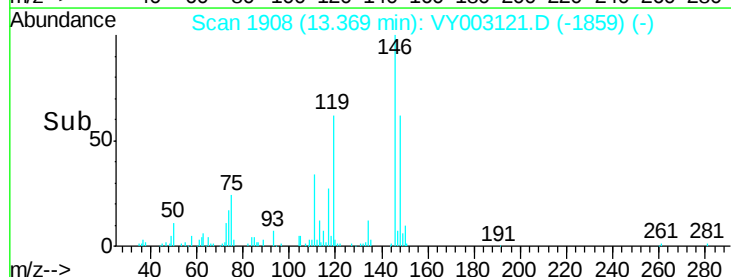
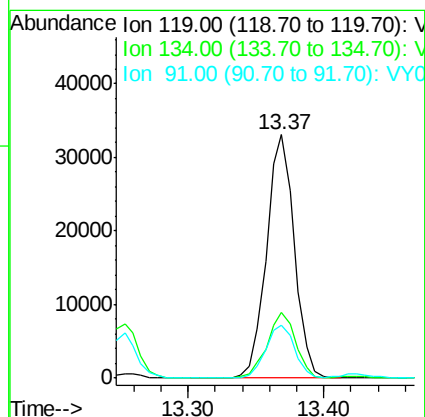
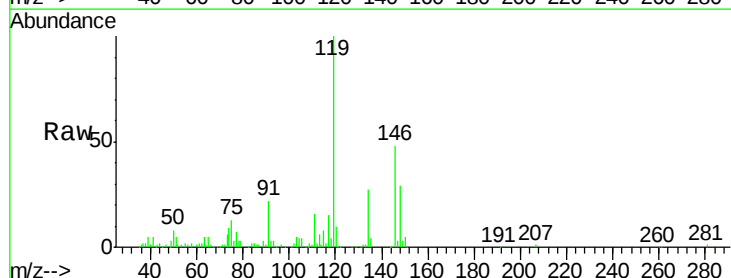
Tgt Ion:119 Resp: 47436

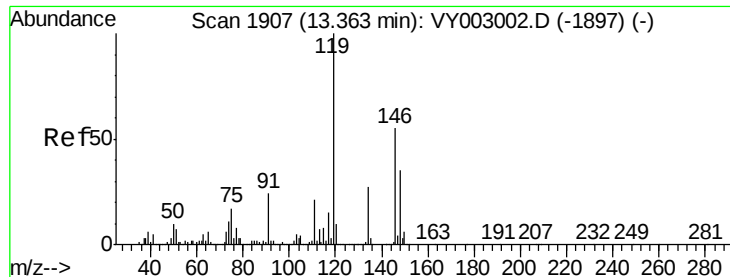
Ion Ratio Lower Upper

119 100

134 27.5 13.5 40.4

91 22.8 11.5 34.5





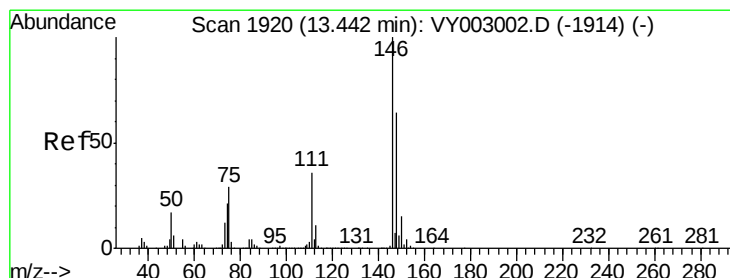
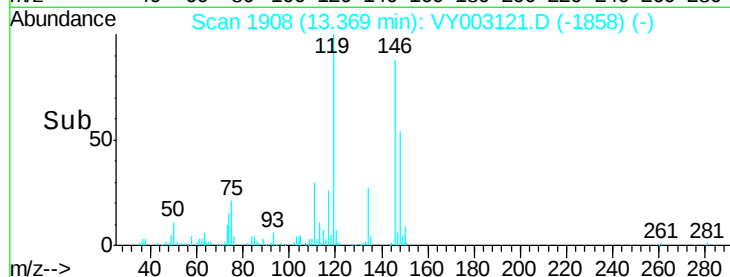
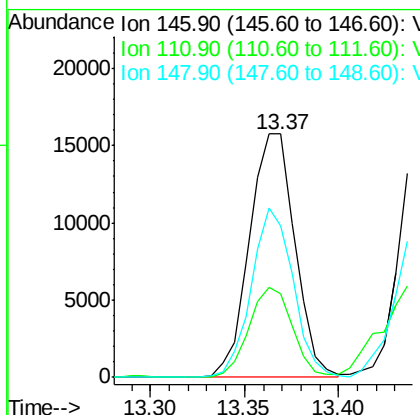
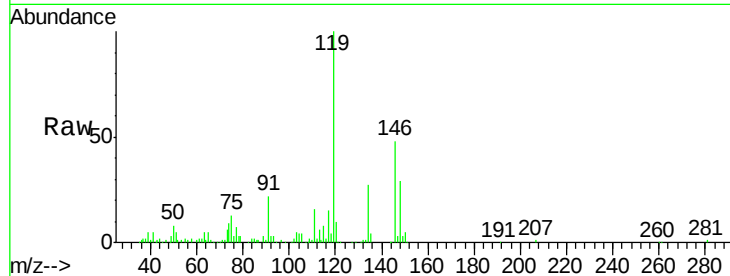
#87
 1,3-Dichlorobenzene
 Concen: 2.852 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.8	56.3
148	63.6	31.8	95.3

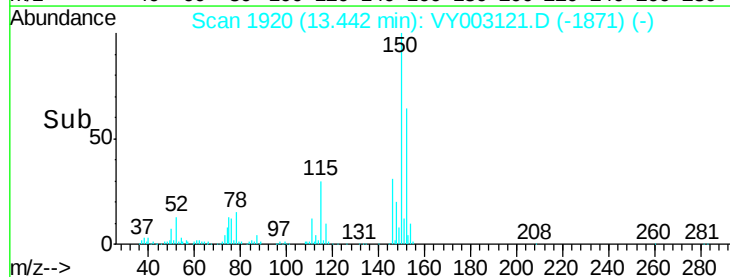
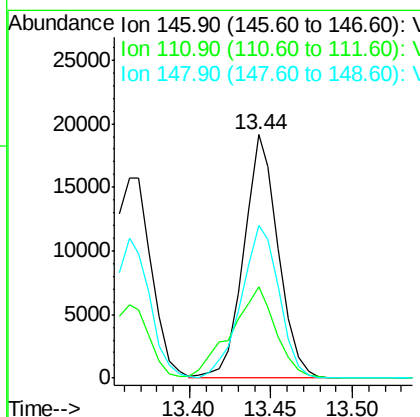
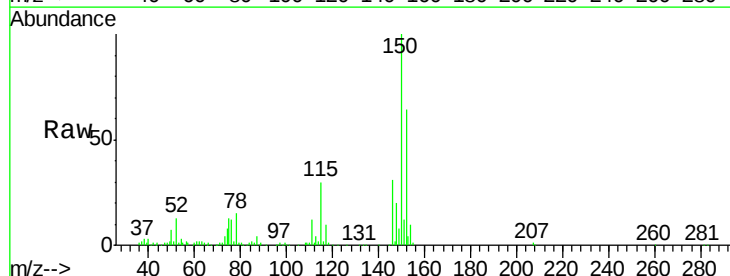
Manual Integrations
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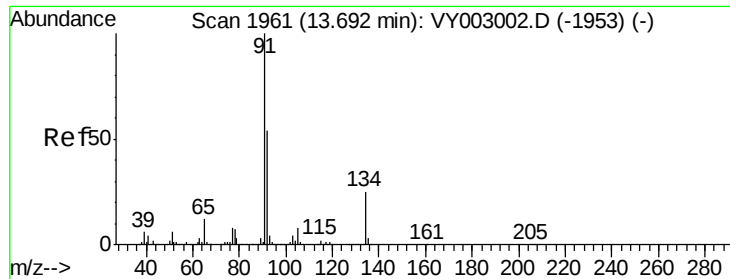
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#88
 1,4-Dichlorobenzene
 Concen: 3.057 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.0	18.4	55.4
148	69.1	32.3	96.9





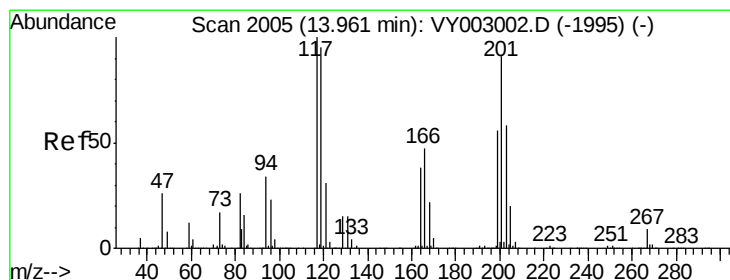
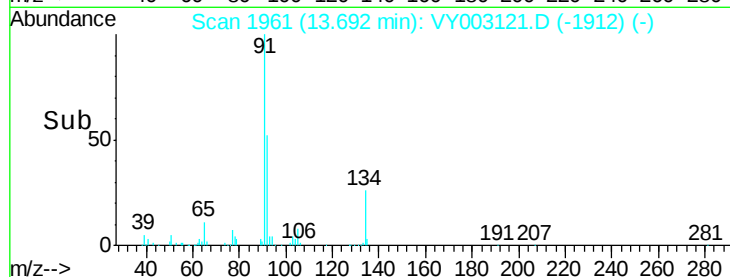
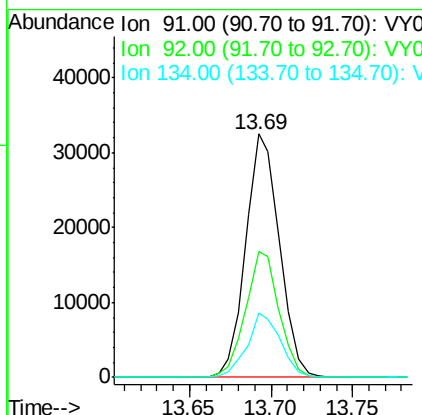
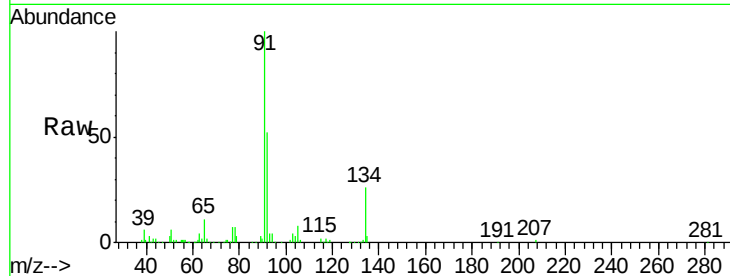
#89
n-Butylbenzene
Concen: 2.680 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.8	80.3
134	26.1	13.1	39.1

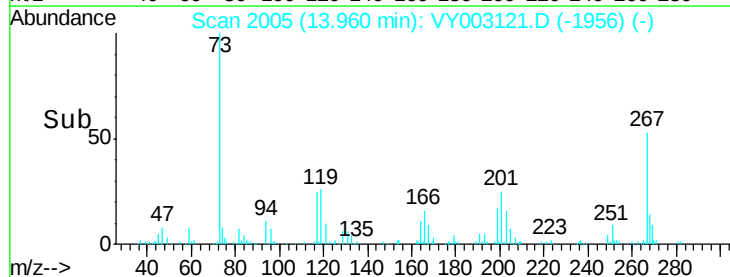
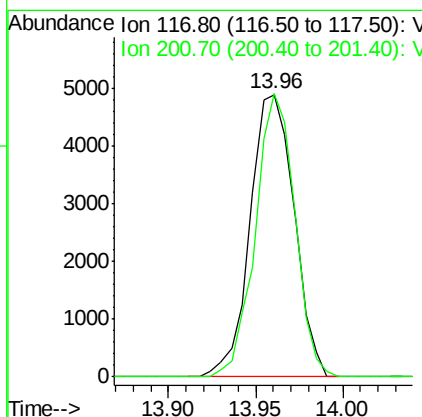
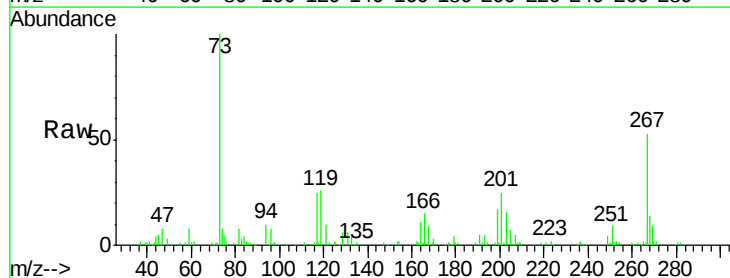
Manual Integrations
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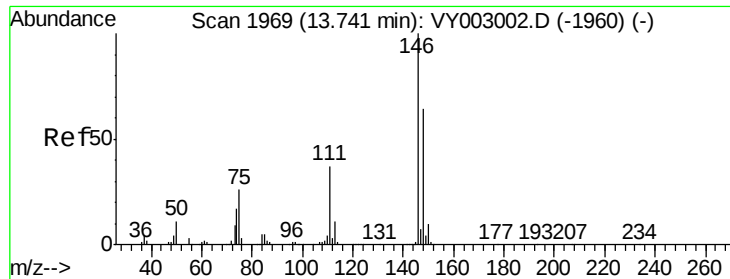
MMDadoda
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#90
Hexachloroethane
Concen: 2.369 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	45.5	136.4





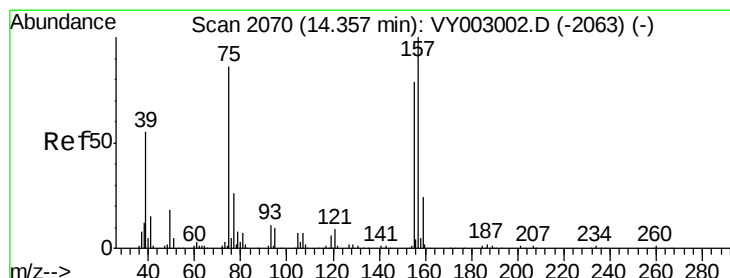
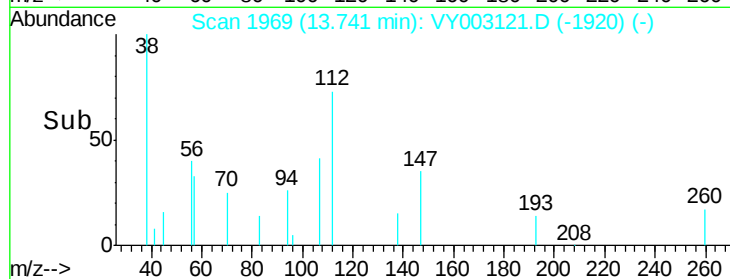
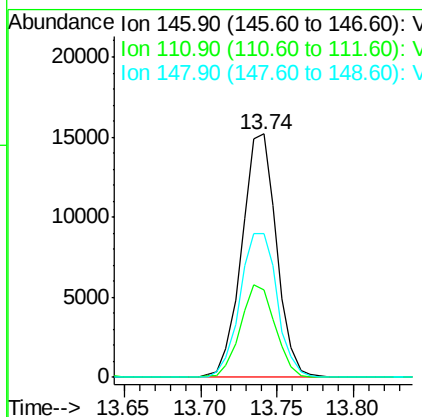
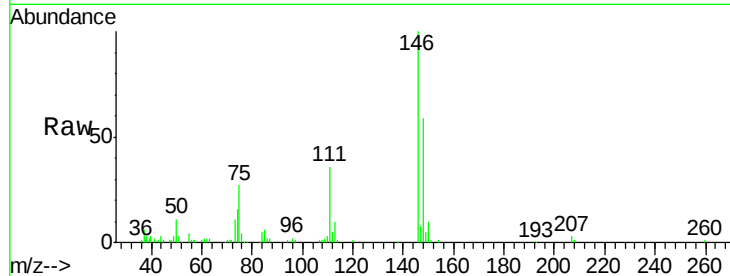
#91
 1,2-Dichlorobenzene
 Concen: 2.880 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.5
148	63.3	31.8	95.3

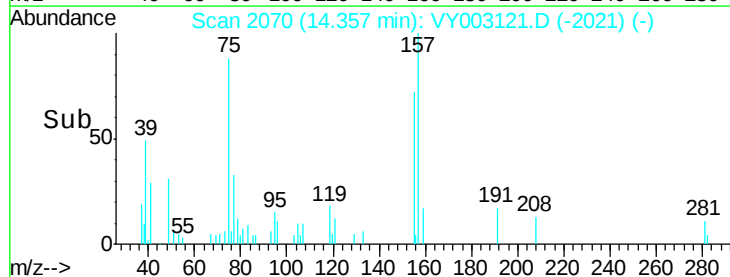
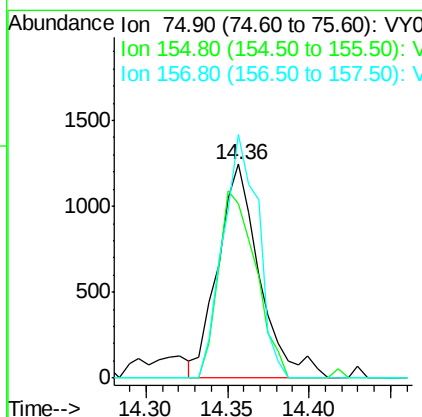
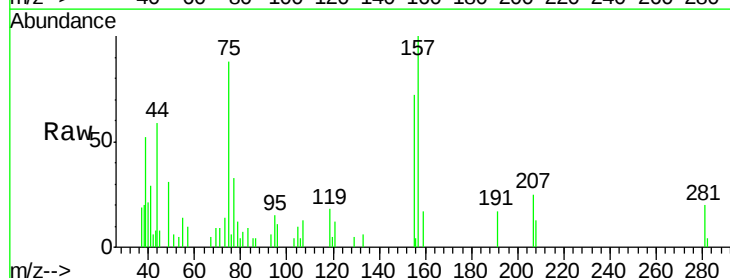
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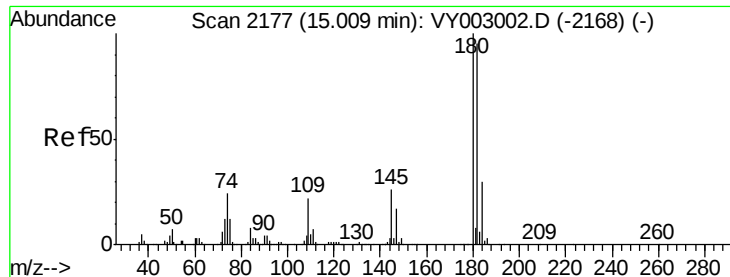
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.179 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.8	46.5	139.3
157	97.6	59.2	177.5





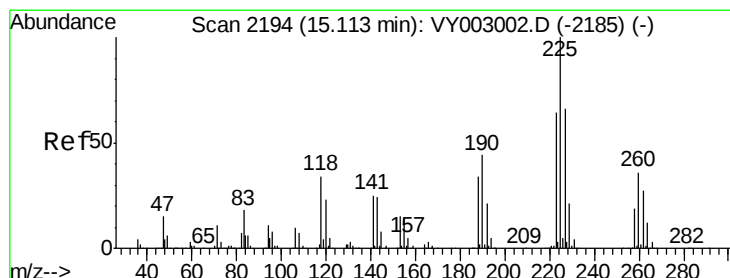
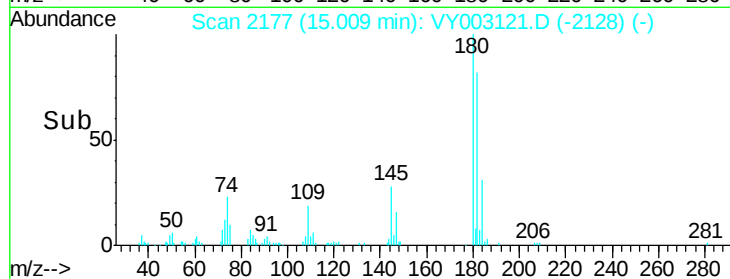
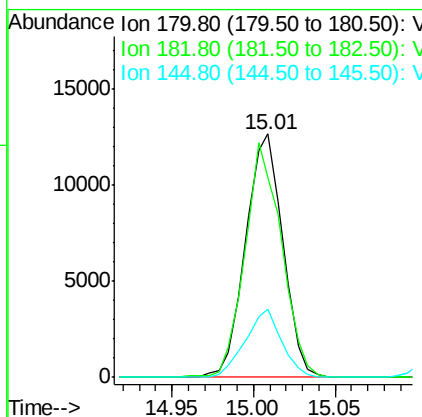
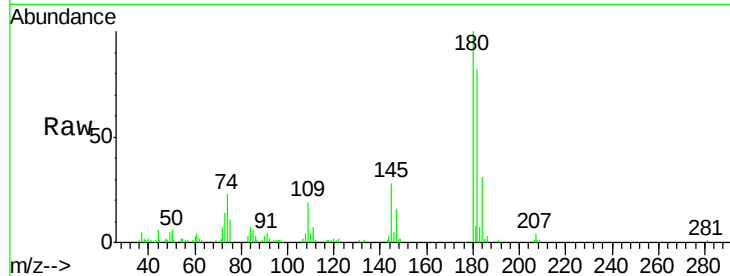
#93
 1,2,4-Trichlorobenzene
 Concen: 3.256 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.1	144.3
145	27.5	13.9	41.6

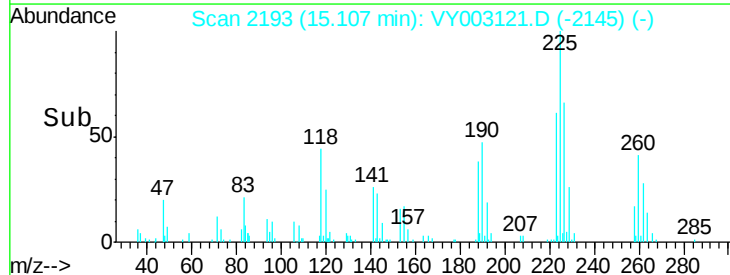
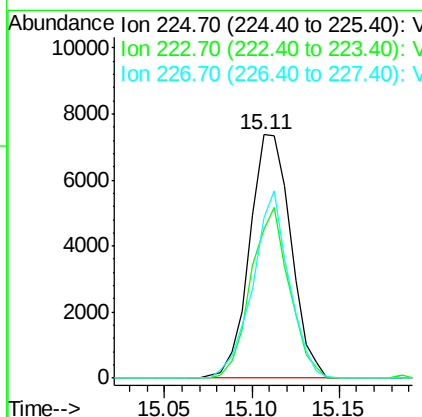
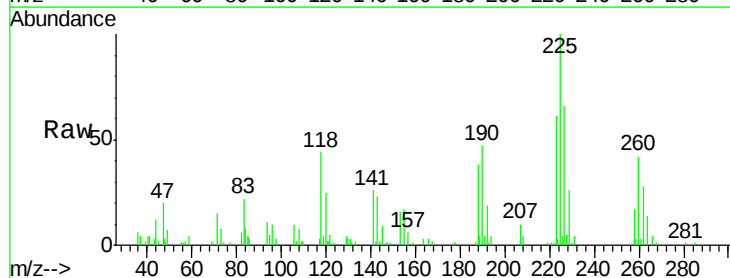
Manual Integrations
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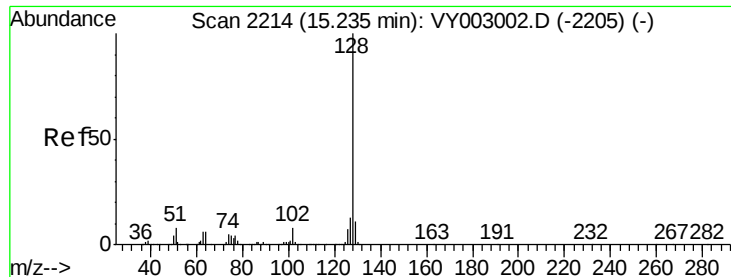
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 3.105 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY003121.D
 Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.4	97.0
227	67.8	32.4	97.2





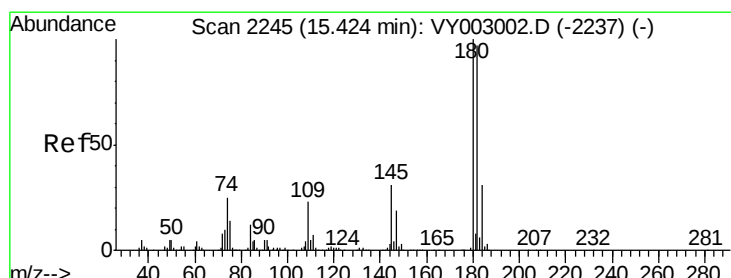
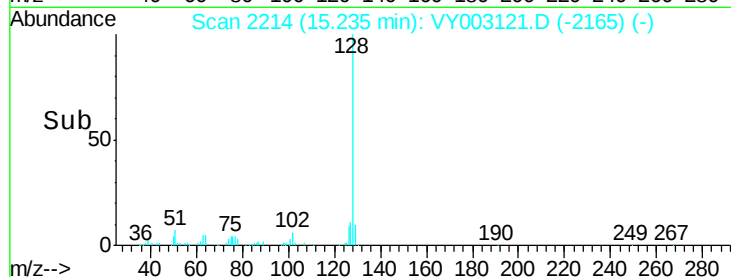
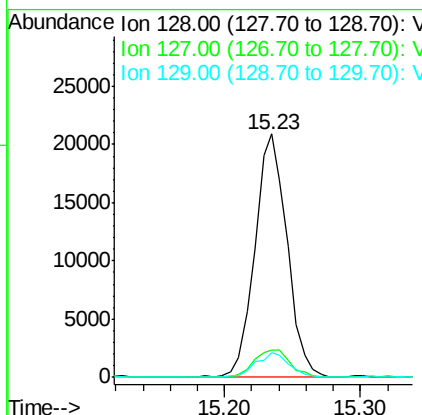
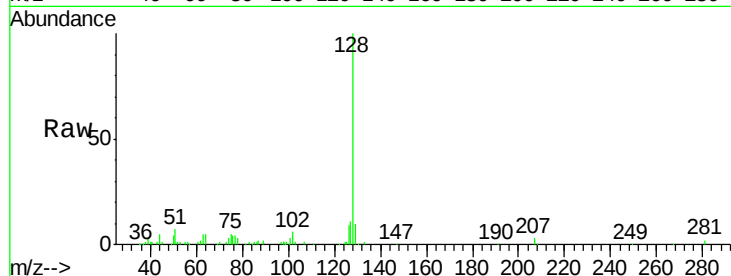
#95
Naphthalene
Concen: 3.074 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

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	10.5	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 3.168 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003121.D
Acq: 07 Jul 2020 13:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	28.3	14.7	44.1

