

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
 Data File : VY003123.D
 Acq On : 07 Jul 2020 13:51
 Operator : SY/MD
 Sample : L3216-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Manual Integrations
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 7/8/2020 12:20:44 PM

Quant Time: Jul 08 04:50:05 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	403752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	586063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	540839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	293297	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	199218	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	7.72	113	193309	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
50) Toluene-d8	10.18	98	714636	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.48	95	248693	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	16973	5.551	ug/l	95
3) Chloromethane	2.12	50	26068	5.822	ug/l	96
4) Vinyl Chloride	2.26	62	23980	5.490	ug/l	94
5) Bromomethane	2.65	94	18969	6.397	ug/l	90
6) Chloroethane	2.80	64	15218	5.477	ug/l	95
7) Trichlorofluoromethane	3.13	101	34449	5.588	ug/l	99
8) Diethyl Ether	3.53	74	11721	5.546	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	21216	5.764	ug/l	97
10) Methyl Iodide	4.10	142	23840	5.223	ug/l	99
11) Tert butyl alcohol	4.97	59	12220m	29.902	ug/l	
12) 1,1-Dichloroethene	3.88	96	20267	5.787	ug/l	83
13) Acrolein	3.74	56	8083	22.022	ug/l	94
14) Allyl chloride	4.49	41	26836	4.389	ug/l #	90
15) Acrylonitrile	5.18	53	27471	25.222	ug/l	97
16) Acetone	3.96	43	23767	25.130	ug/l	99
17) Carbon Disulfide	4.20	76	58380	5.217	ug/l	97
18) Methyl Acetate	4.49	43	17488	6.863	ug/l	95
19) Methyl tert-butyl Ether	5.24	73	55673	5.453	ug/l #	89
20) Methylene Chloride	4.72	84	35953	6.811	ug/l	93
21) trans-1,2-Dichloroethene	5.23	96	22302	5.630	ug/l	90
22) Diisopropyl ether	6.12	45	63593	4.852	ug/l #	91
23) Vinyl Acetate	6.07	43	187759	21.428	ug/l	98
24) 1,1-Dichloroethane	6.03	63	37335	5.215	ug/l	97
25) 2-Butanone	7.00	43	36050	23.996	ug/l #	87
26) 2,2-Dichloropropane	6.99	77	33329	5.124	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	24930	5.611	ug/l	93
28) Bromochloromethane	7.35	49	16124	5.062	ug/l	92
29) Tetrahydrofuran	7.36	42	24298	24.321	ug/l	91
30) Chloroform	7.52	83	39003	5.499	ug/l	97
31) Cyclohexane	7.79	56	40749	5.778	ug/l #	76
32) 1,1,1-Trichloroethane	7.71	97	33663	5.200	ug/l	99
36) 1,1-Dichloropropene	7.92	75	29346	5.198	ug/l	95
37) Ethyl Acetate	7.08	43	17056	5.025	ug/l	95
38) Carbon Tetrachloride	7.91	117	31207	5.313	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	37269	5.325	ug/l	92
40) Benzene	8.17	78	85913	5.559	ug/l	97
41) Methacrylonitrile	7.33	41	8436m	4.653	ug/l	
42) 1,2-Dichloroethane	8.25	62	26176	5.354	ug/l	96
43) Isopropyl Acetate	8.28	43	31066	4.815	ug/l	96
44) Trichloroethene	8.94	130	25640	5.708	ug/l	88
45) 1,2-Dichloropropane	9.22	63	22581	5.431	ug/l #	87
46) Dibromomethane	9.31	93	12900	5.555	ug/l	97
47) Bromodichloromethane	9.50	83	29941	5.265	ug/l	97
48) Methyl methacrylate	9.30	41	13992	4.764	ug/l	97
49) 1,4-Dioxane	9.30	88	2978	105.051	ug/l #	86
51) 4-Methyl-2-Pentanone	10.07	43	80447	24.122	ug/l	96
52) Toluene	10.24	92	52556	5.402	ug/l	95
53) t-1,3-Dichloropropene	10.47	75	29068	4.876	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	34757	5.098	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	17442	5.405	ug/l	95
56) Ethyl methacrylate	10.51	69	22555	4.828	ug/l	99
57) 1,3-Dichloropropane	10.79	76	30286	5.346	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	60847	25.398	ug/l	97
59) 2-Hexanone	10.83	43	55778	23.928	ug/l	98
60) Dibromochloromethane	10.99	129	22018	5.332	ug/l	100
61) 1,2-Dibromoethane	11.09	107	17904	5.628	ug/l	96
64) Tetrachloroethene	10.72	164	29150	6.368	ug/l	92
65) Chlorobenzene	11.52	112	59330	5.563	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	22627	5.434	ug/l	98
67) Ethyl Benzene	11.59	91	104282	5.345	ug/l	98
68) m/p-Xylenes	11.70	106	76982	10.602	ug/l	98
69) o-Xylene	12.03	106	37850	5.532	ug/l	91
70) Styrene	12.04	104	61071	5.224	ug/l	98
71) Bromoform	12.21	173	14686	5.290	ug/l #	98
73) Isopropylbenzene	12.33	105	99268	5.172	ug/l	97
74) N-amyl acetate	12.14	43	28086	4.495	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	19355	4.997	ug/l	95
76) 1,2,3-Trichloropropane	12.63	75	15130m	5.212	ug/l	
77) Bromobenzene	12.61	156	26391	5.362	ug/l	95
78) n-propylbenzene	12.67	91	120951	5.239	ug/l	99
79) 2-Chlorotoluene	12.75	91	68016	5.279	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	82696	5.134	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	7151	4.793	ug/l	99
82) 4-Chlorotoluene	12.85	91	70744	5.273	ug/l	98
83) tert-Butylbenzene	13.08	119	73455	5.194	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	84120	5.183	ug/l	100
85) sec-Butylbenzene	13.25	105	102500	5.258	ug/l	99
86) p-Isopropyltoluene	13.37	119	92281	5.109	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	48533	5.282	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	50417	5.564	ug/l	94
89) n-Butylbenzene	13.70	91	87773	5.078	ug/l	98
90) Hexachloroethane	13.96	117	17078	4.761	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	46105	5.593	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3756	5.477	ug/l	99

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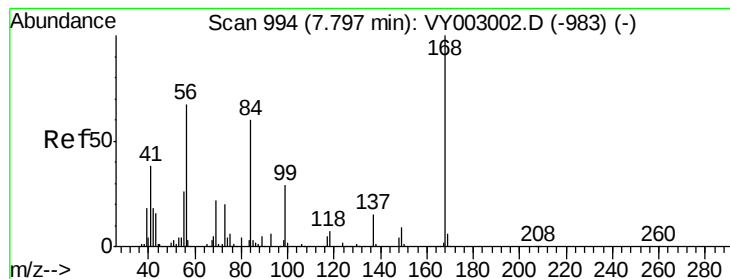
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	33450	5.460	ug/l	98
94) Hexachlorobutadiene	15.11	225	22104	5.721	ug/l	99
95) Naphthalene	15.23	128	56697	5.067	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	29080	5.467	ug/l	98

(#) = 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: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:168 Resp: 403752

Ion Ratio Lower Upper

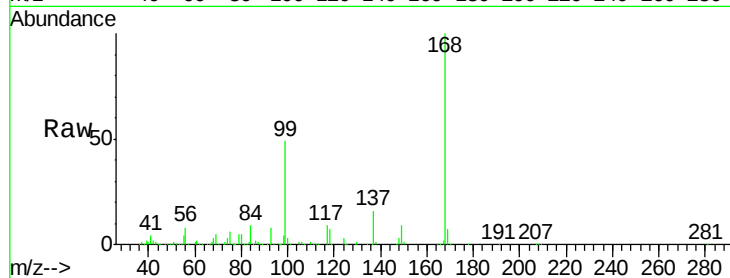
168 100

99 48.5 39.2 58.8

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

200000

150000

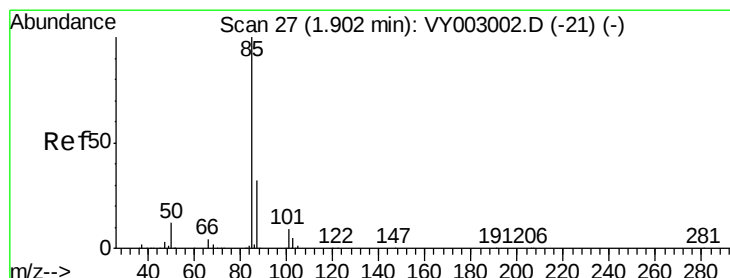
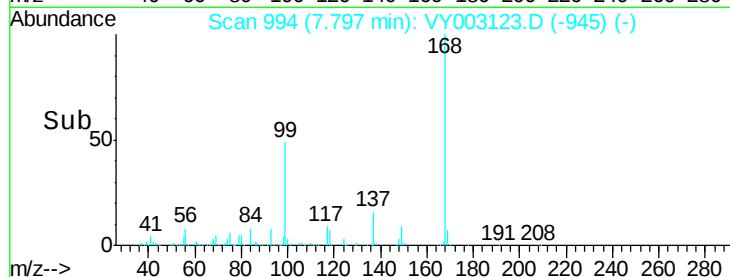
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 5.551 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003123.D

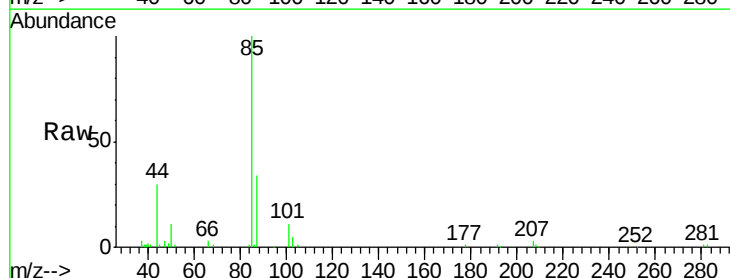
Acq: 07 Jul 2020 13:51

Tgt Ion: 85 Resp: 16973

Ion Ratio Lower Upper

85 100

87 34.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

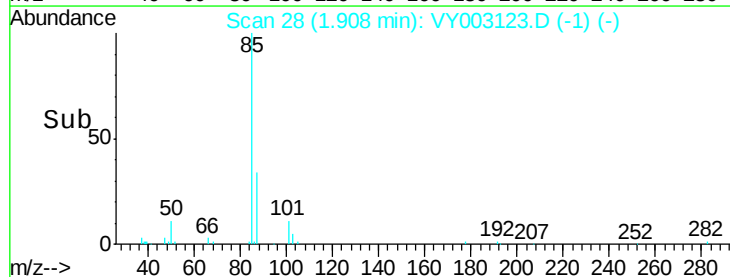
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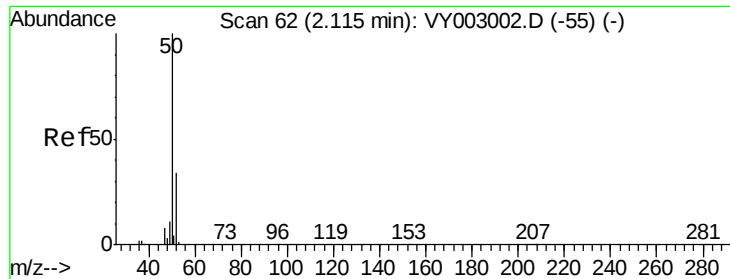
5000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 5.822 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 50 Resp: 26068

Ion Ratio Lower Upper

50 100

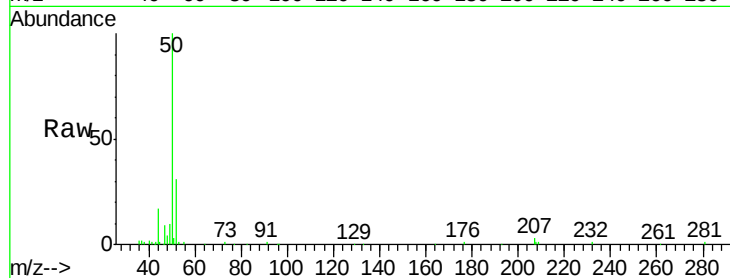
52 31.1 26.9 40.3

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

20000

15000

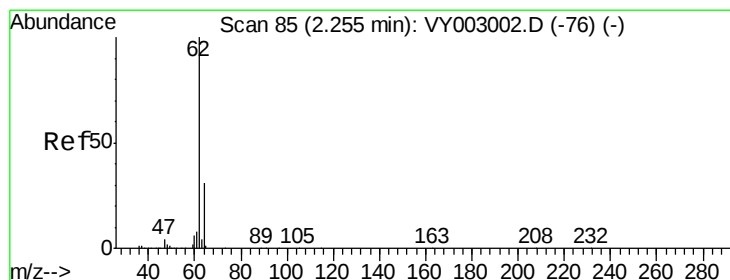
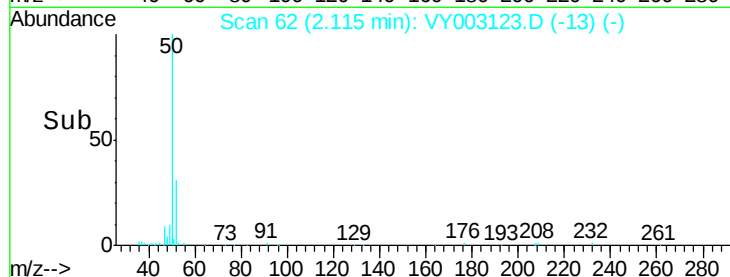
10000

5000

0

Time-->

2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 5.490 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003123.D

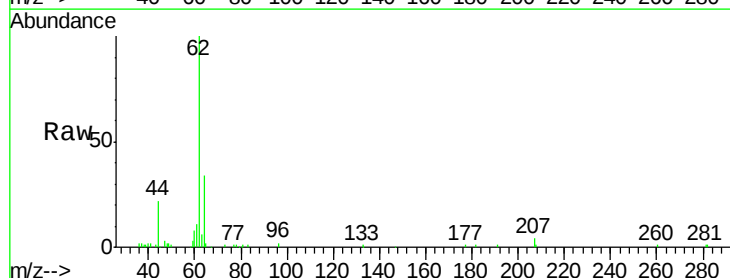
Acq: 07 Jul 2020 13:51

Tgt Ion: 62 Resp: 23980

Ion Ratio Lower Upper

62 100

64 34.0 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

15000

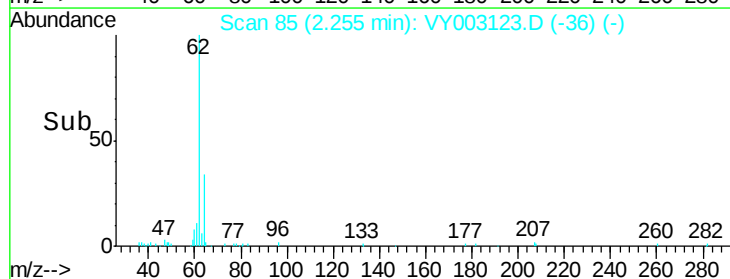
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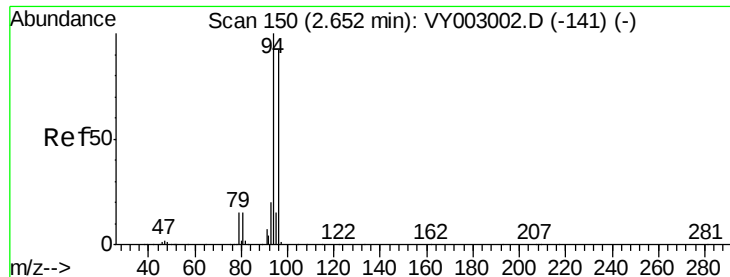
5000

0

Time-->

2.20 2.25 2.30 2.35





#5

Bromomethane

Concen: 6.397 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 94 Resp: 18969

Ion Ratio Lower Upper

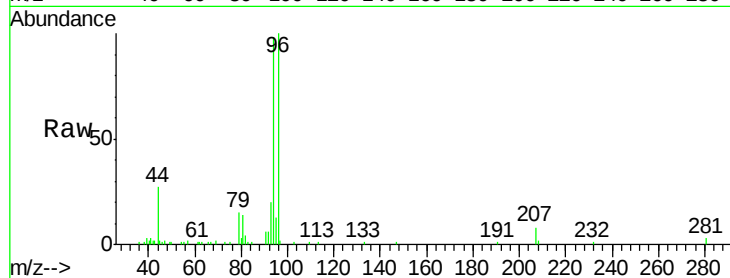
94 100

96 101.8 73.4 110.2

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

10000

8000

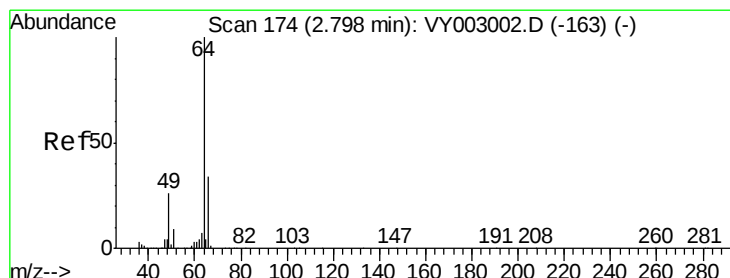
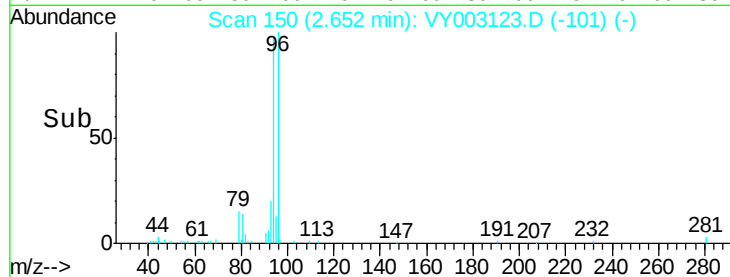
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 5.477 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY003123.D

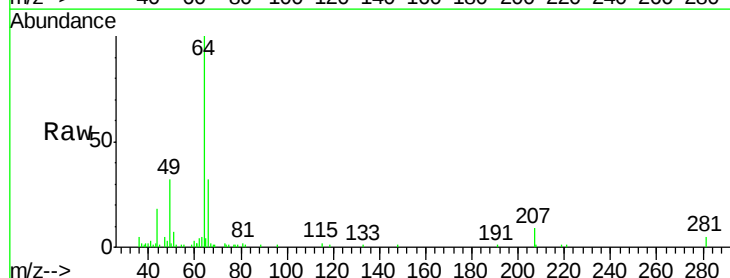
Acq: 07 Jul 2020 13:51

Tgt Ion: 64 Resp: 15218

Ion Ratio Lower Upper

64 100

66 31.1 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

8000

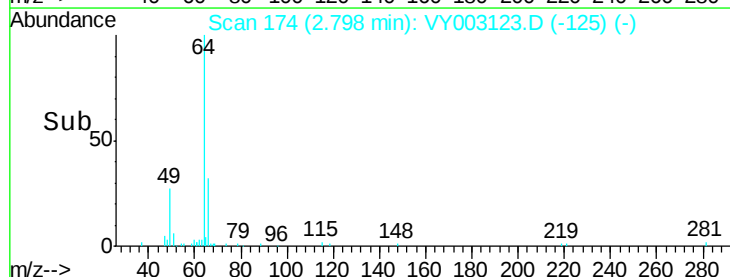
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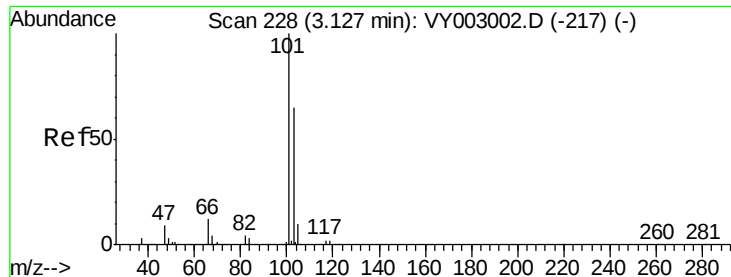
4000

2000

0

Time-->





#7

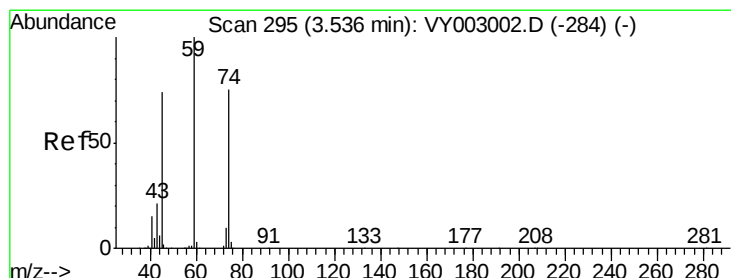
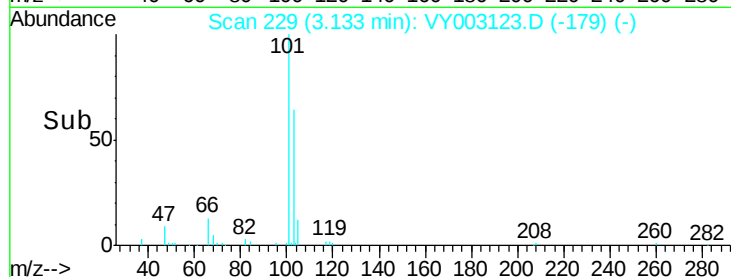
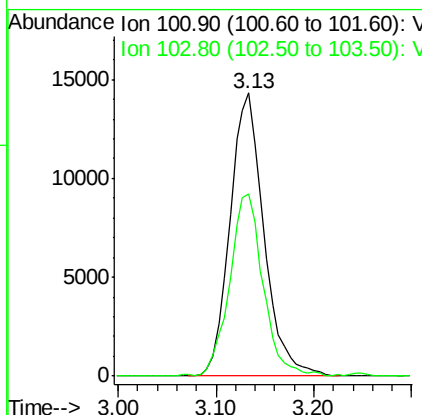
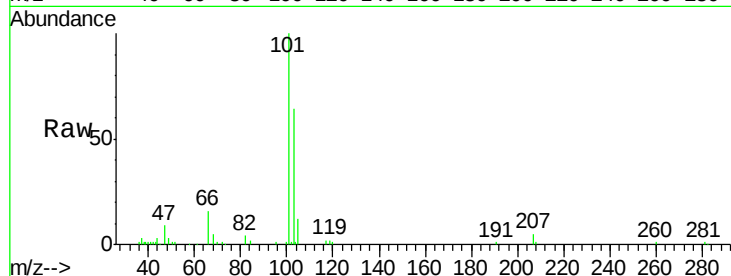
Trichlorofluoromethane
 Concen: 5.588 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Instrument :
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 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.6	77.4

Manual Integrations
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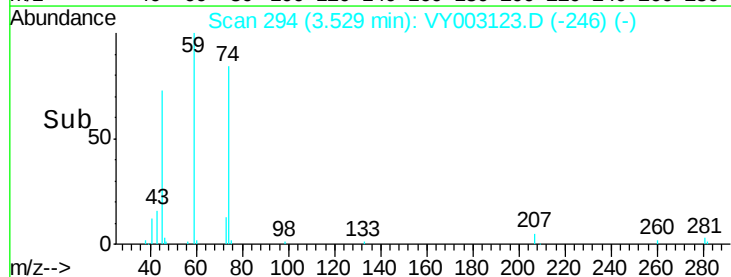
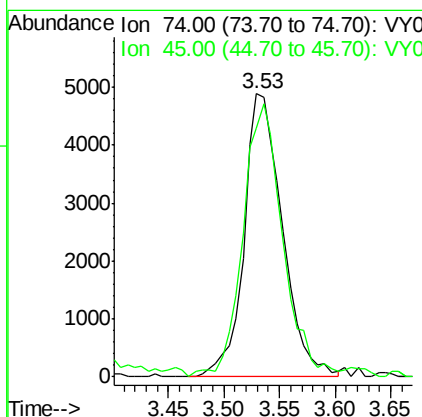
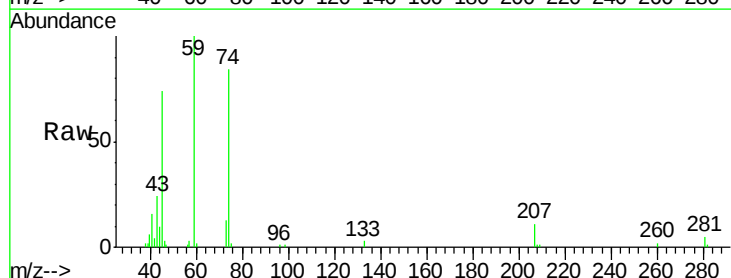
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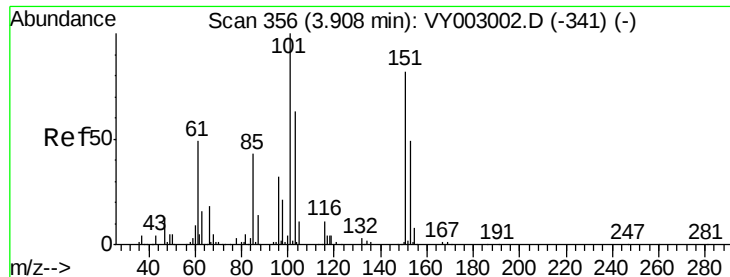


#8

Diethyl Ether
 Concen: 5.546 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	49.3	147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.764 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

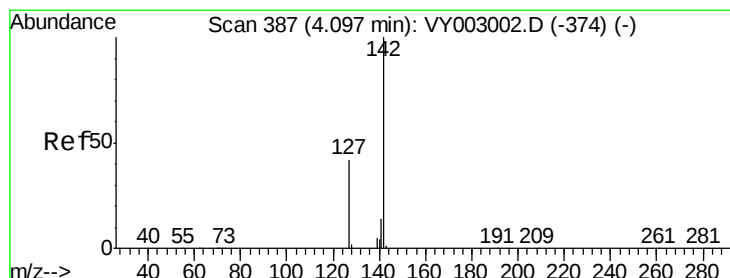
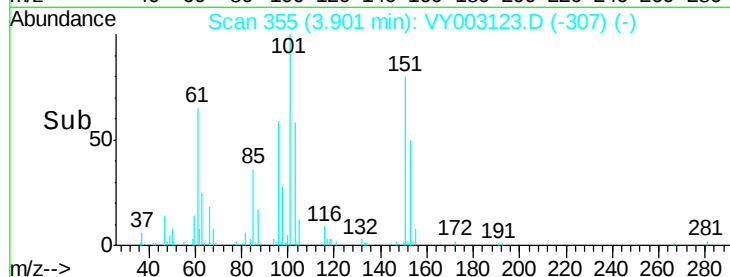
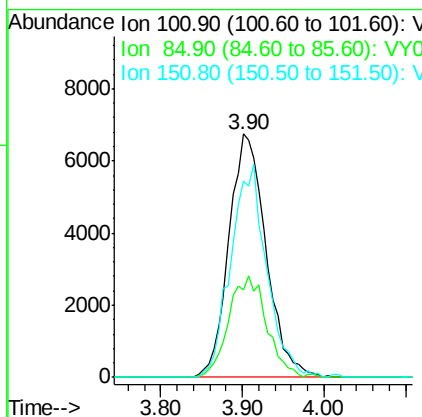
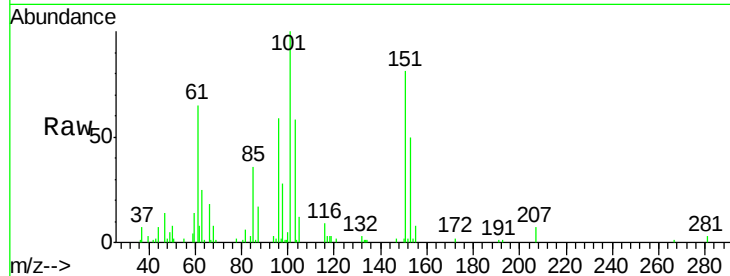
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	101	Resp:	21216
Ion Ratio	Lower	Upper	
101	100		
85	42.2	35.5	53.3
151	85.0	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 5.223 ug/l

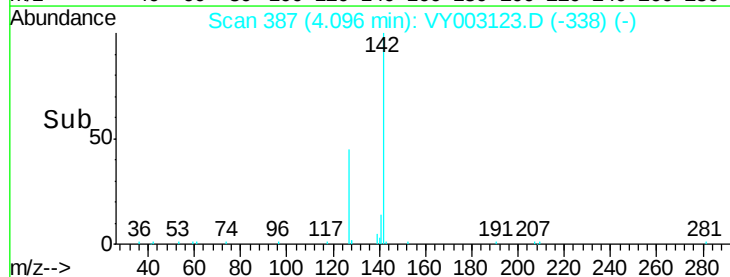
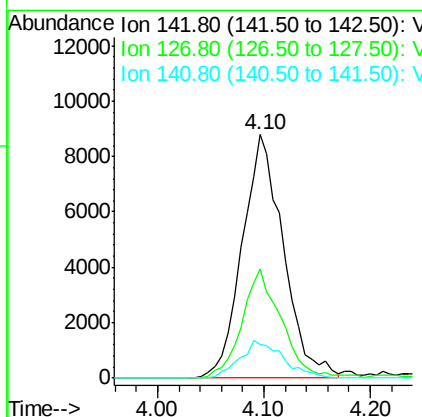
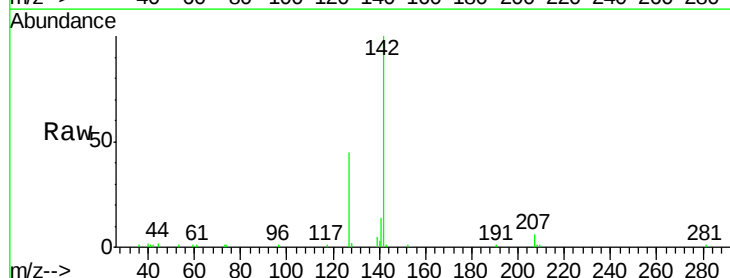
RT: 4.10 min Scan# 387

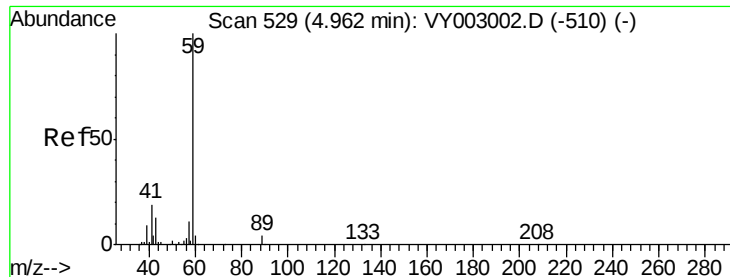
Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Tgt Ion:	142	Resp:	23840
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.2	51.2
141	16.1	11.7	17.5





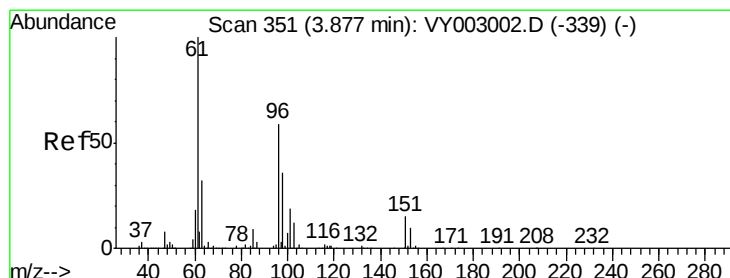
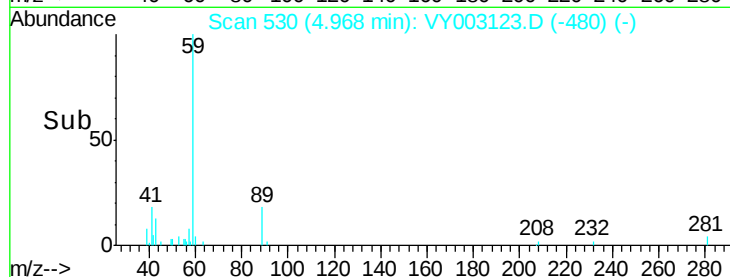
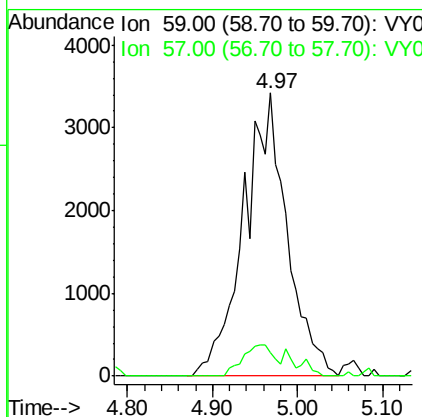
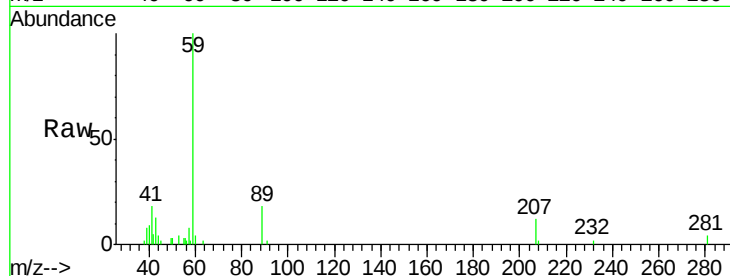
#11
Tert butyl alcohol
Concen: 29.902 ug/l m
RT: 4.97 min Scan# 530
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	12220		
57	8.0	8.0	8.0	12.0

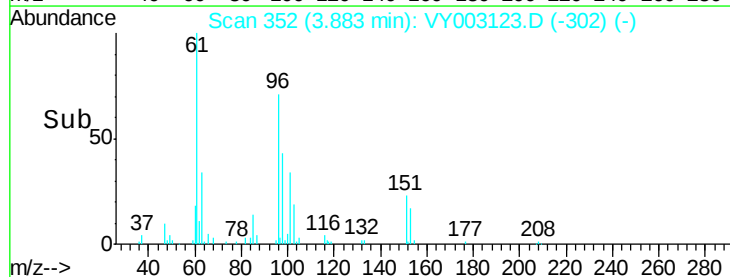
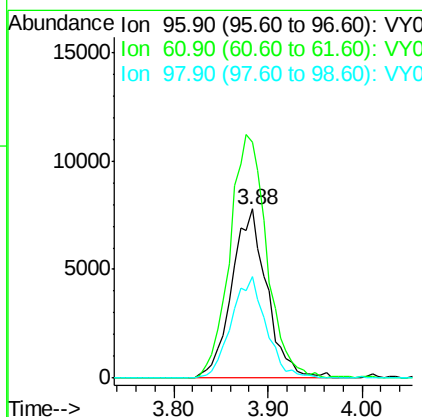
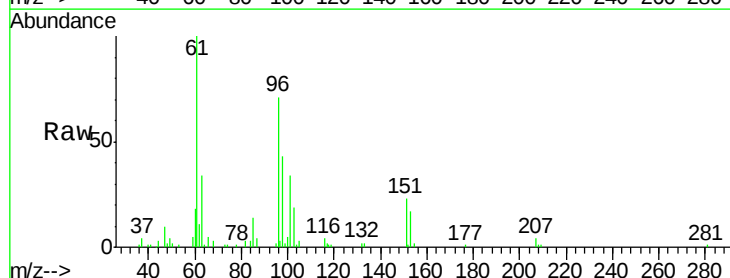
Manual Integrations
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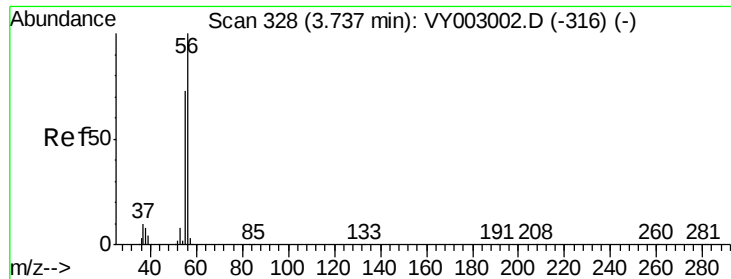
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.787 ug/l
RT: 3.88 min Scan# 352
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	20267		
61	139.9	136.7	205.1	
98	60.2	49.7	74.5	





#13

Acrolein

Concen: 22.022 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 56 Resp: 8083

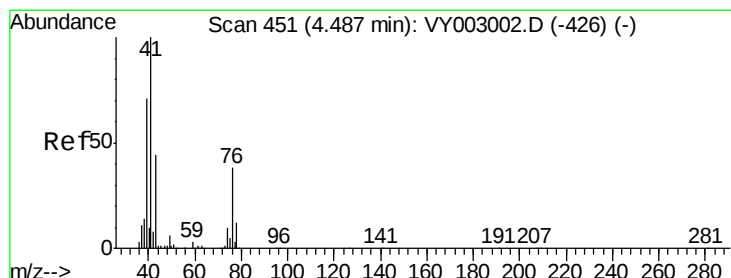
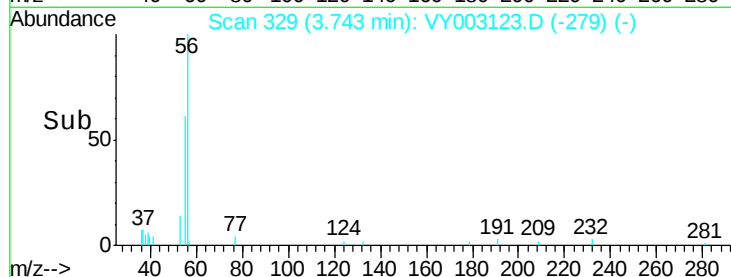
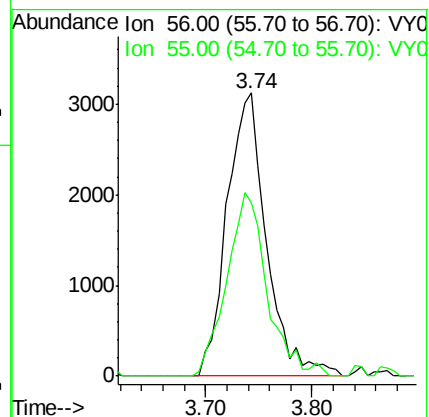
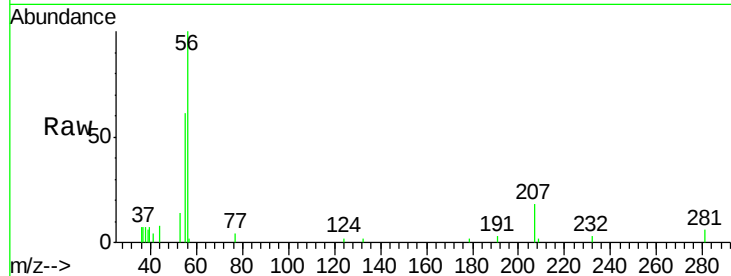
Ion Ratio Lower Upper

56 100

55 65.4 56.4 84.6

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#14

Allyl chloride

Concen: 4.389 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

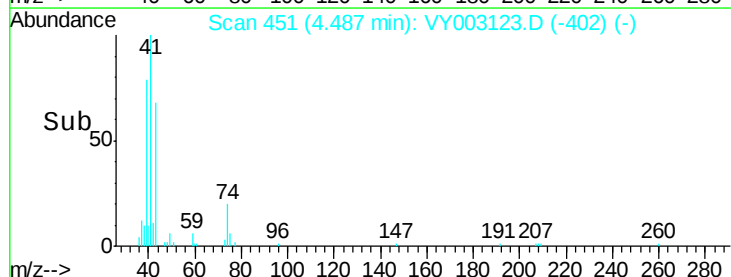
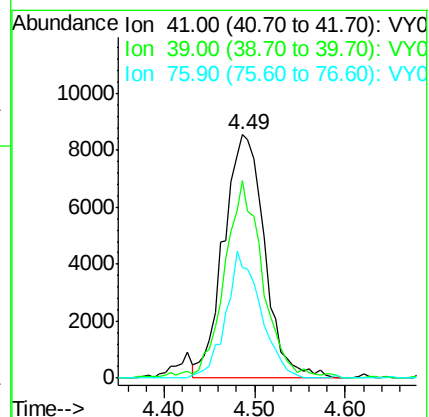
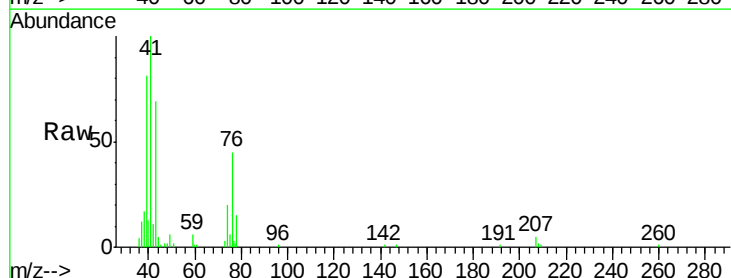
Tgt Ion: 41 Resp: 26836

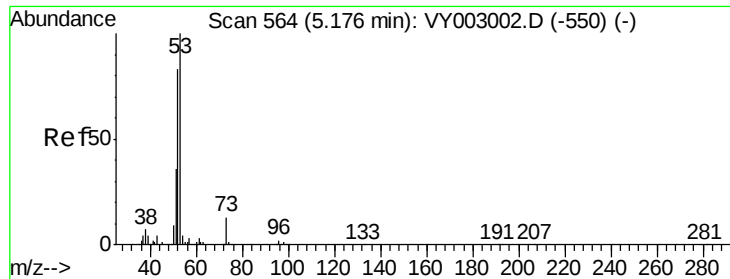
Ion Ratio Lower Upper

41 100

39 76.7 55.6 83.4

76 43.7 28.6 43.0#





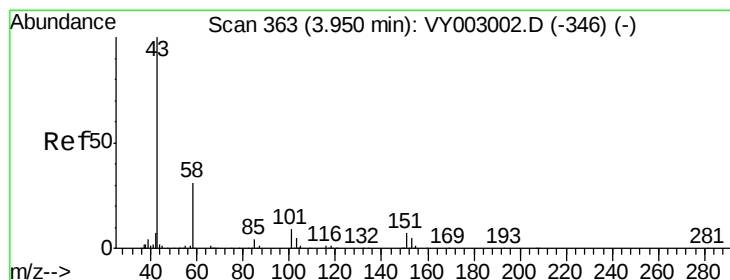
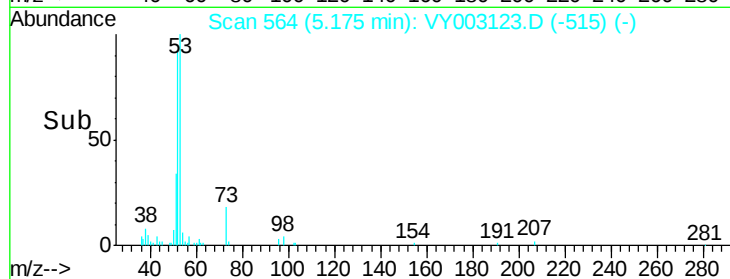
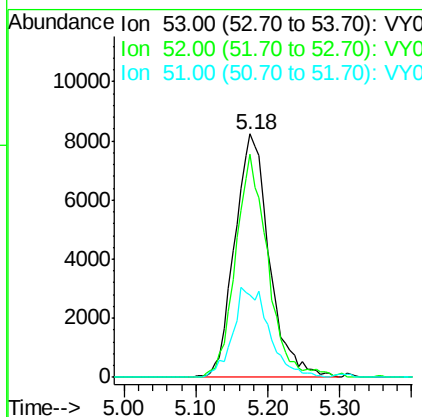
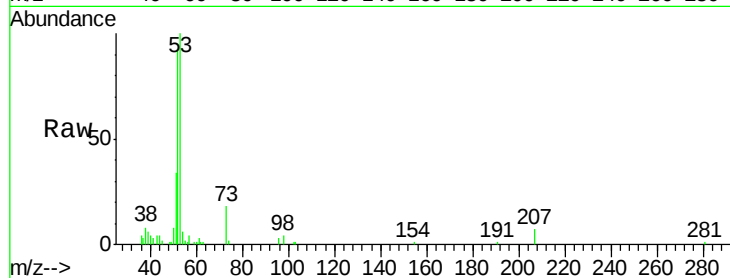
#15
 Acrylonitrile
 Concen: 25.222 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion:	53	Resp:	27471
Ion	Ratio	Lower	Upper
53	100		
52	85.8	66.2	99.2
51	38.5	29.5	44.3

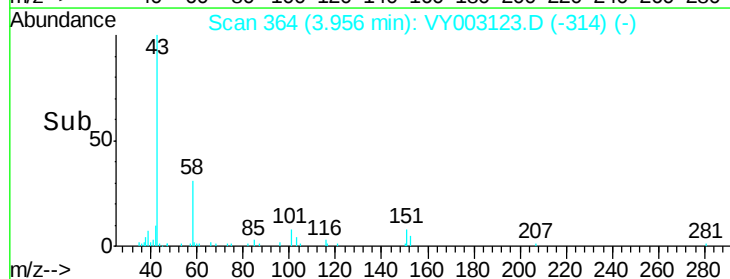
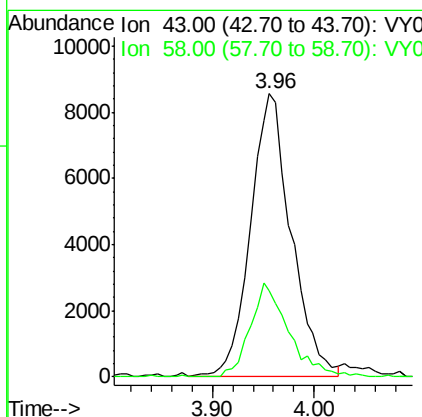
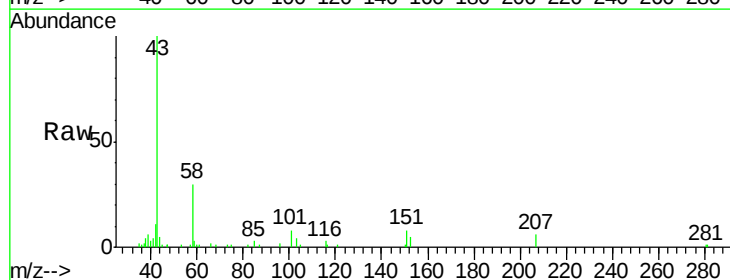
Manual Integrations
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#16
 Acetone
 Concen: 25.130 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion:	43	Resp:	23767
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.7	37.1





#17

Carbon Disulfide

Concen: 5.217 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 76 Resp: 58380

Ion Ratio Lower Upper

76 100

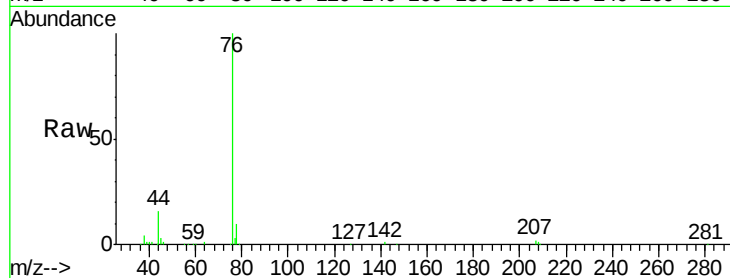
78 9.9 7.0 10.6

Manual Integrations

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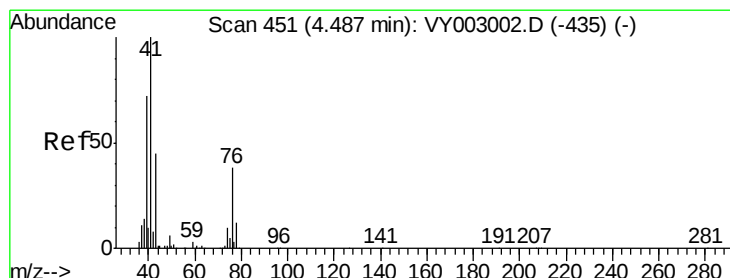
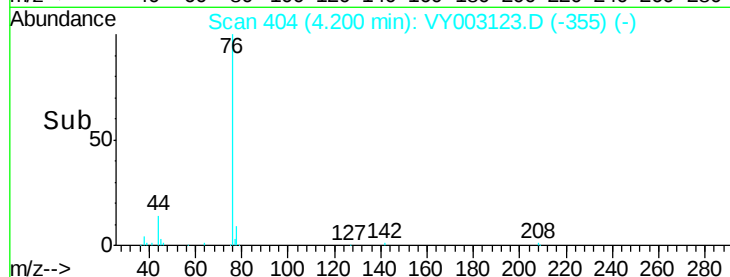
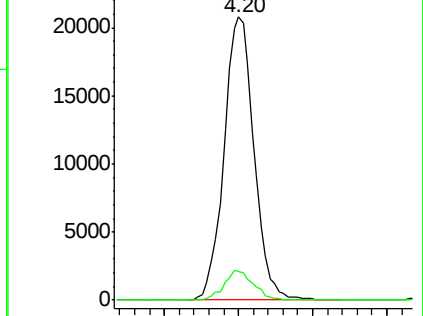
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 6.863 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003123.D

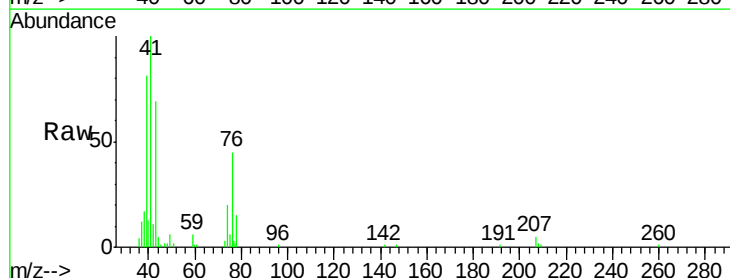
Acq: 07 Jul 2020 13:51

Tgt Ion: 43 Resp: 17488

Ion Ratio Lower Upper

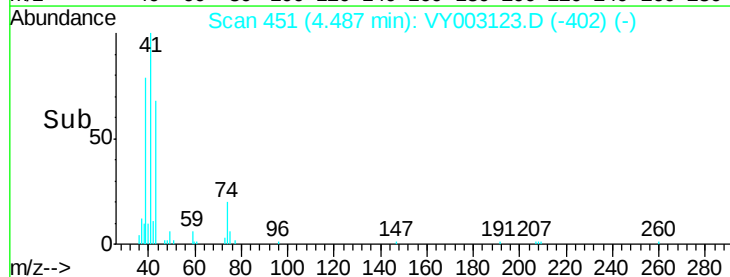
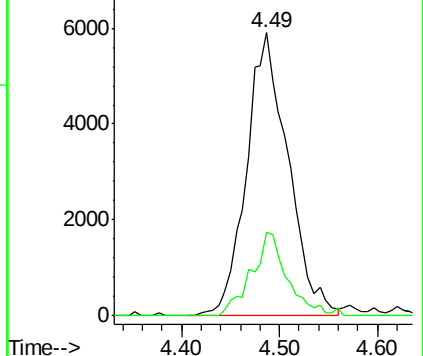
43 100

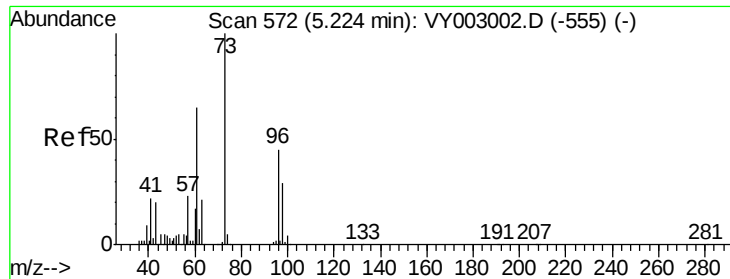
74 25.1 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





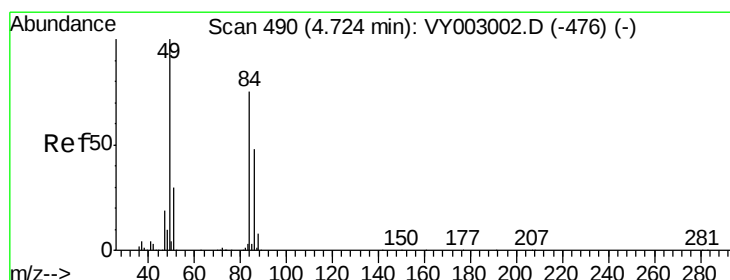
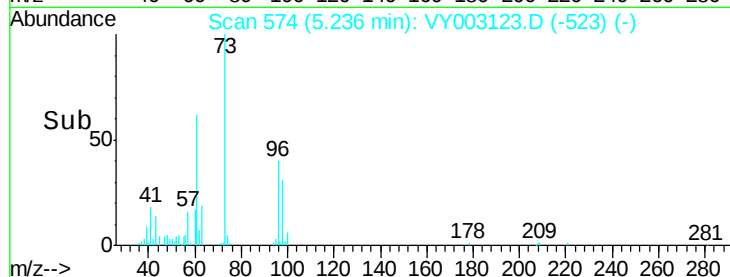
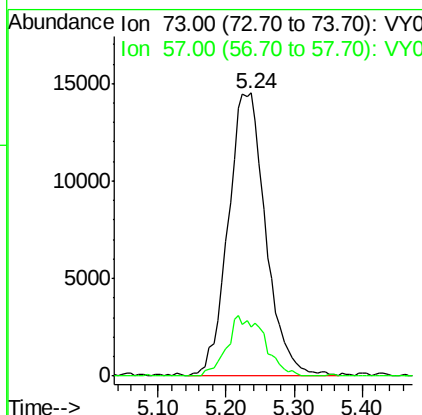
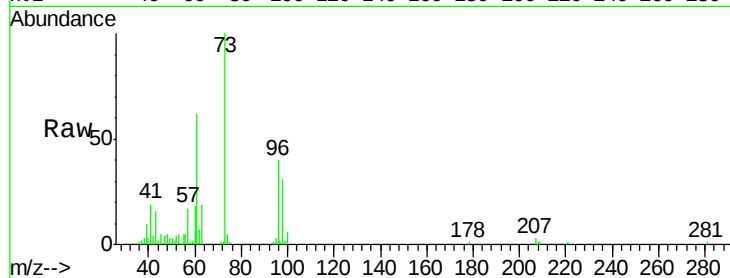
#19
Methvl tert-butvl Ether
Concen: 5.453 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion: 73 Resp: 55673
Ion Ratio Lower Upper
73 100
57 17.2 18.2 27.2#

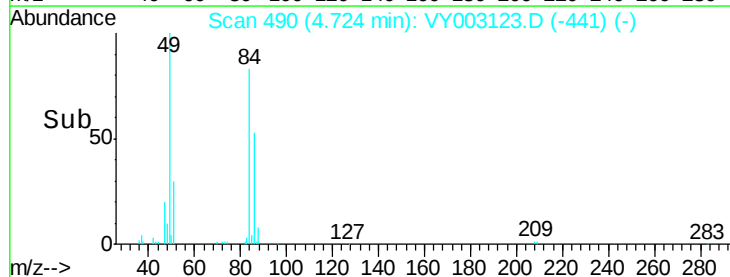
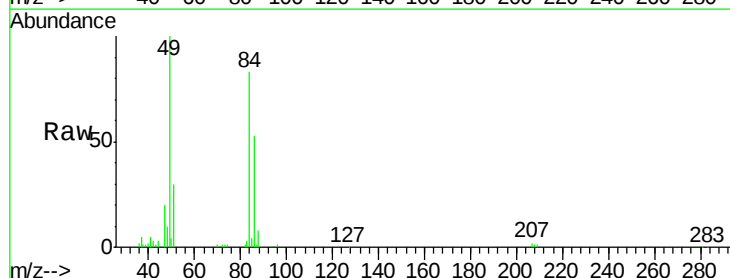
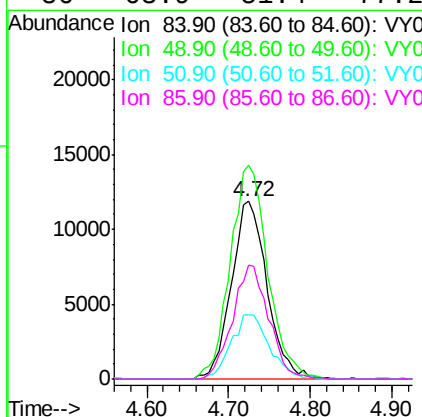
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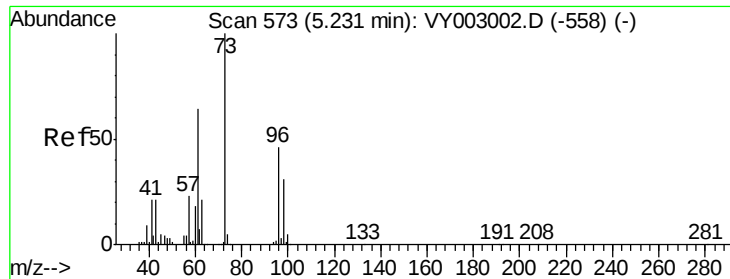
MMDadoda
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#20
Methylene Chloride
Concen: 6.811 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion: 84 Resp: 35953
Ion Ratio Lower Upper
84 100
49 120.2 106.8 160.2
51 36.2 32.0 48.0
86 63.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 5.630 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

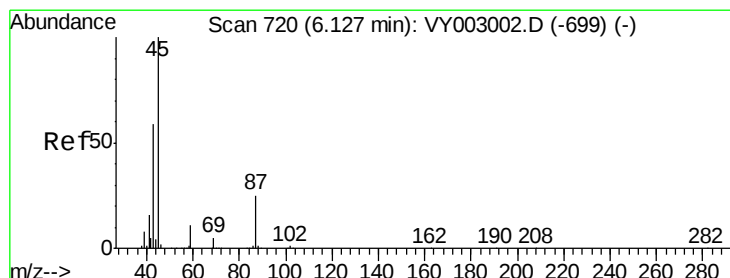
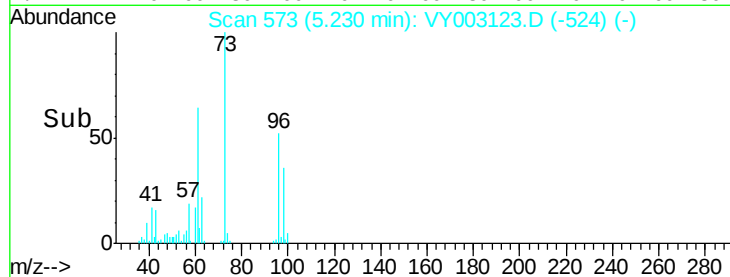
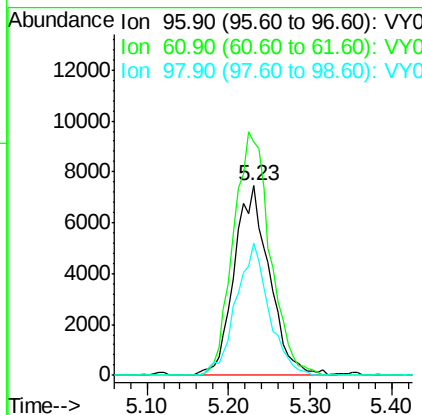
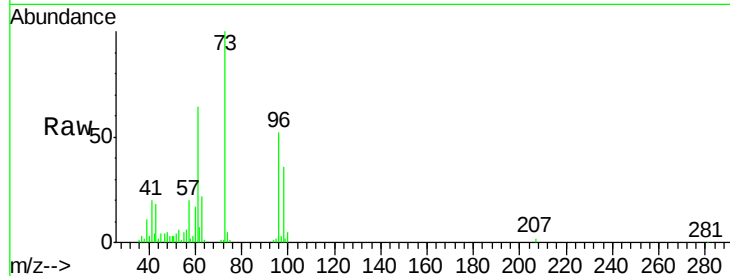
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	96	Resp:	22302
Ion	Ratio	Lower	Upper
96	100		
61	123.4	112.3	168.5
98	69.6	53.8	80.8

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#22

Diisopropyl ether

Concen: 4.852 ug/l

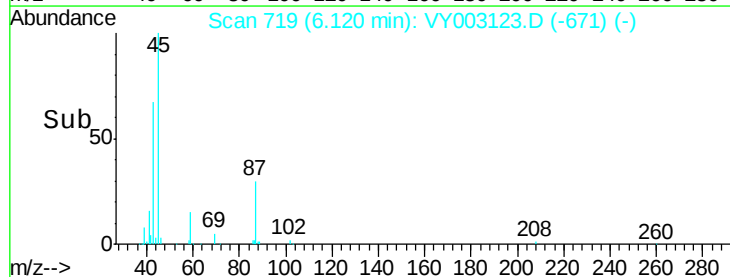
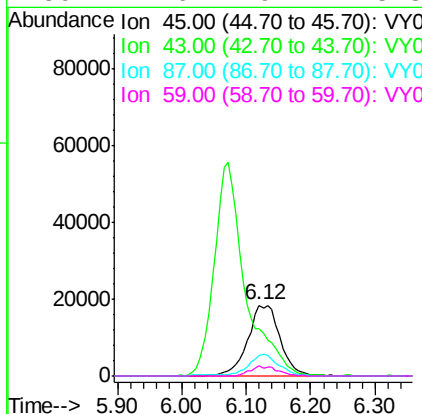
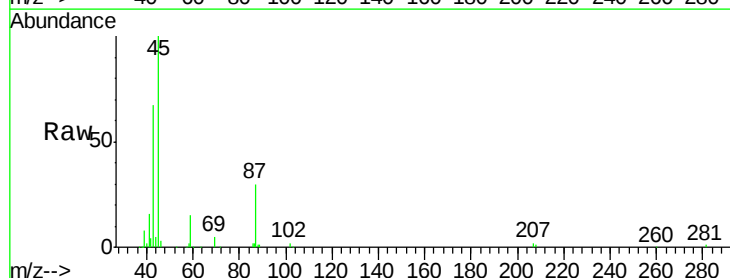
RT: 6.12 min Scan# 719

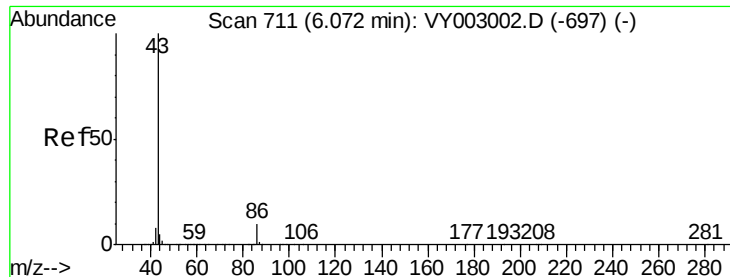
Delta R.T. -0.01 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Tgt Ion:	45	Resp:	63593
Ion	Ratio	Lower	Upper
45	100		
43	66.0	47.4	71.2
87	29.6	20.2	30.2
59	14.6	9.2	13.8#





#23

Vinyl Acetate

Concen: 21.428 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 43 Resp: 187759

Ion Ratio Lower Upper

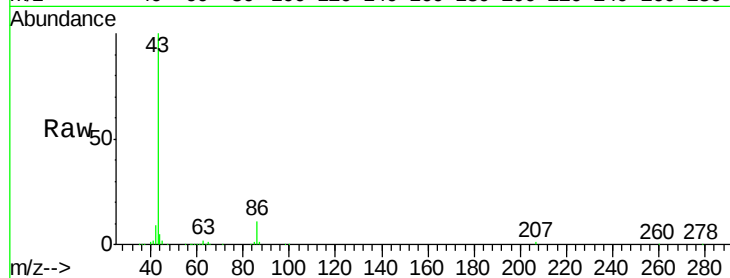
43 100

86 11.0 8.1 12.1

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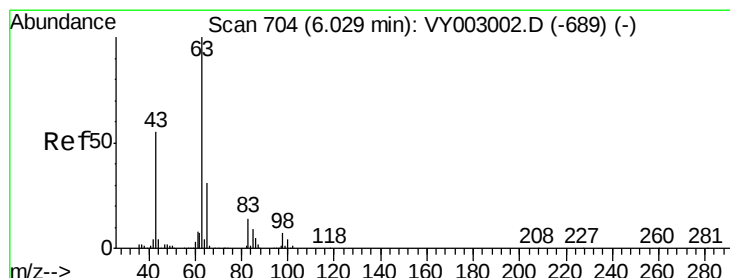
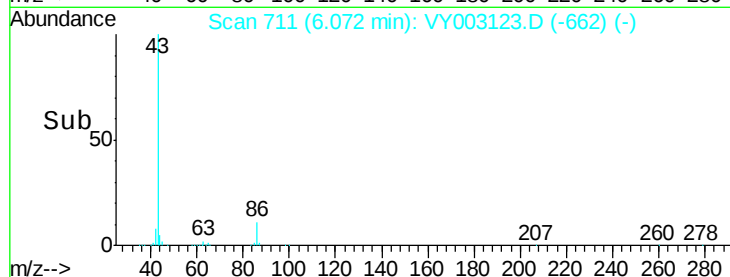
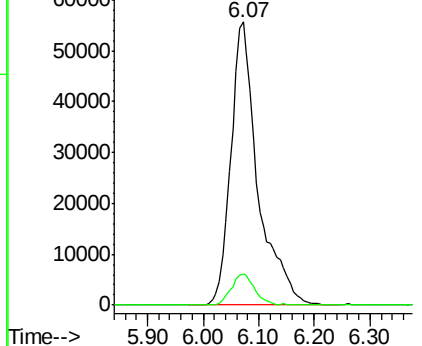
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 5.215 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

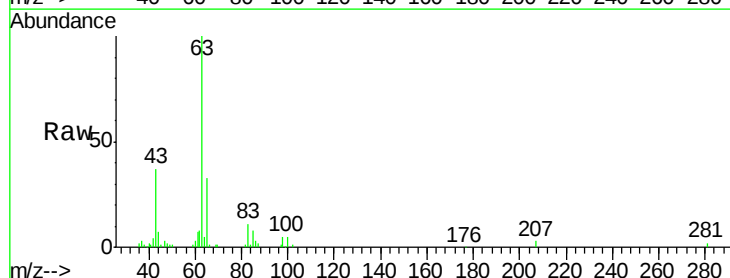
Tgt Ion: 63 Resp: 37335

Ion Ratio Lower Upper

63 100

98 5.3 3.4 10.1

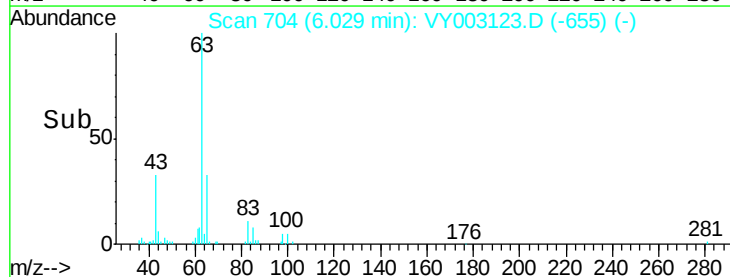
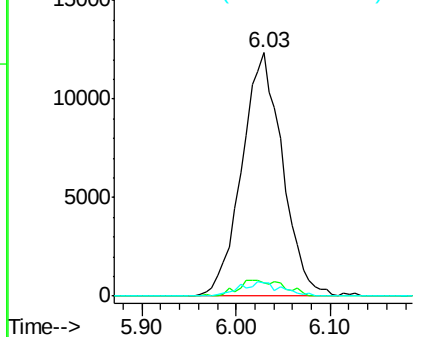
100 5.2 2.3 6.8

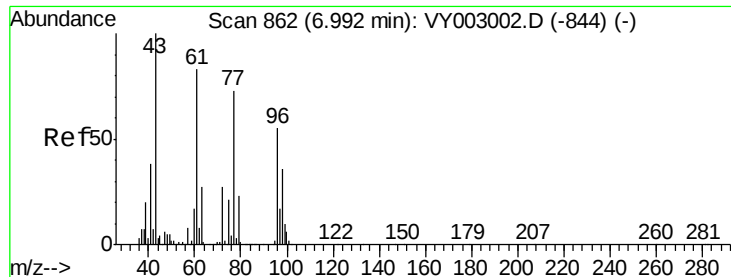


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 23.996 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 43 Resp: 36050

Ion Ratio Lower Upper

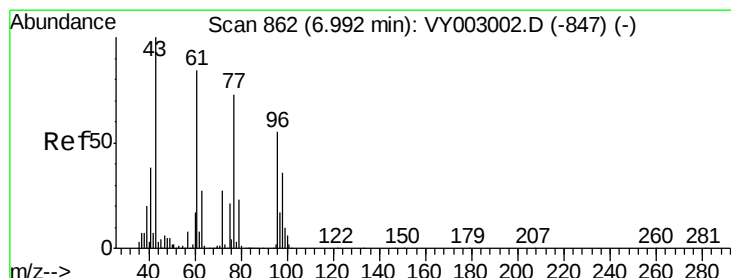
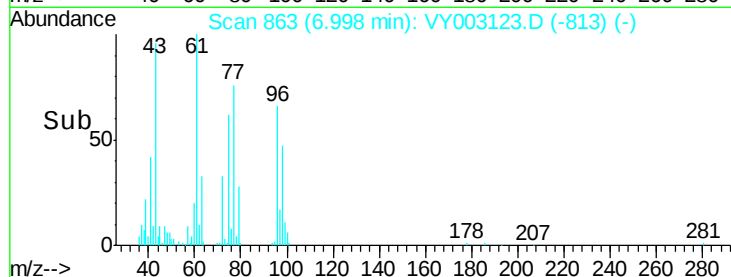
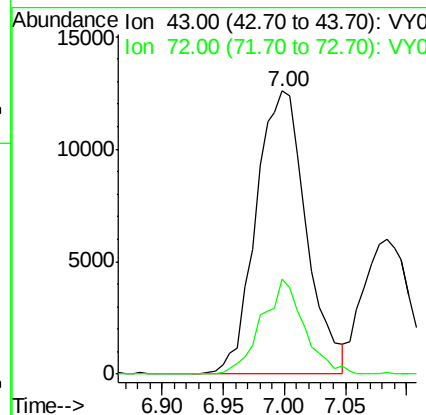
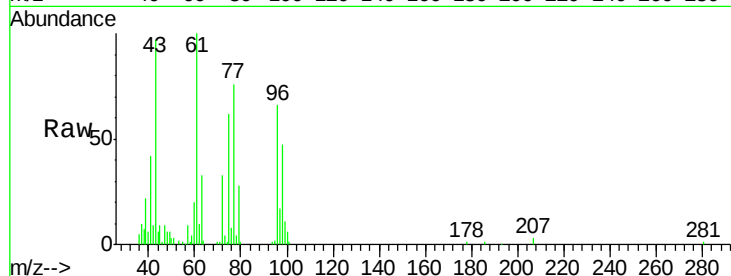
43 100

72 33.6 21.4 32.0#

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 5.124 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003123.D

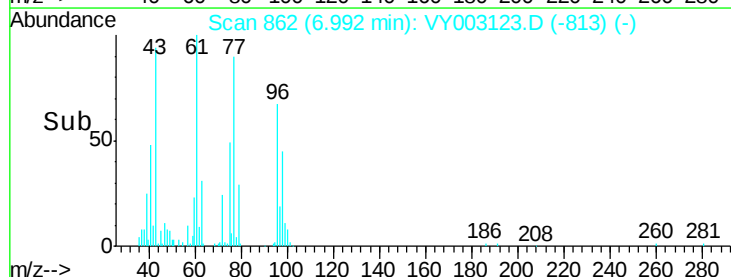
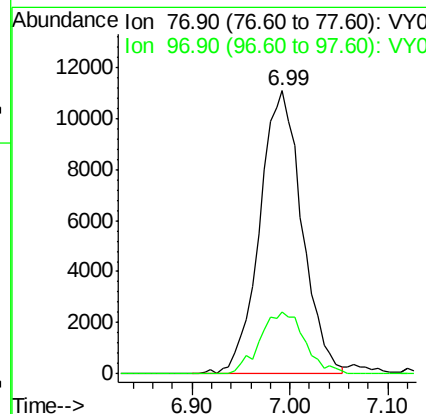
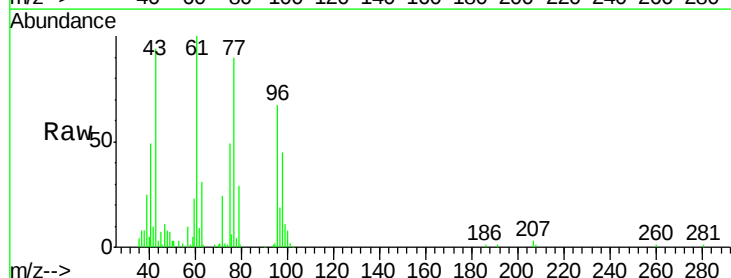
Acq: 07 Jul 2020 13:51

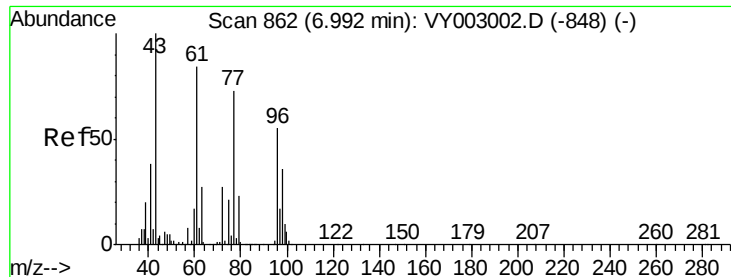
Tgt Ion: 77 Resp: 33329

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.9





#27

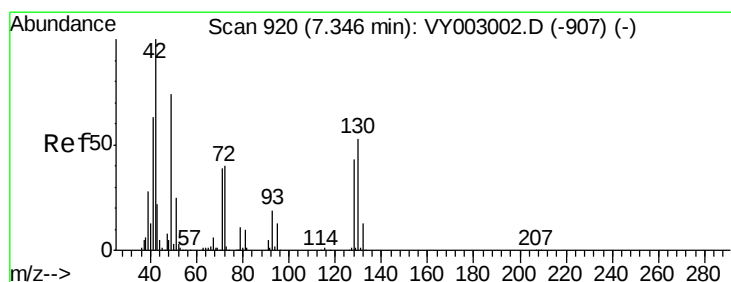
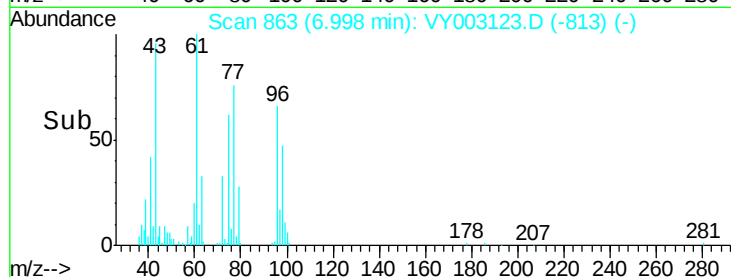
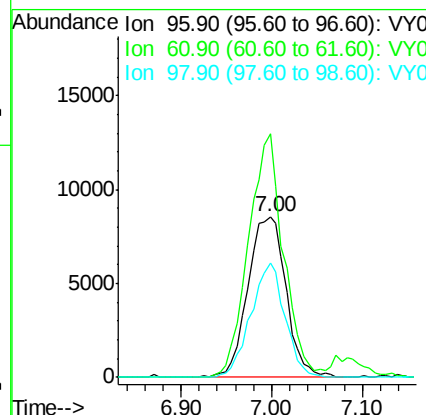
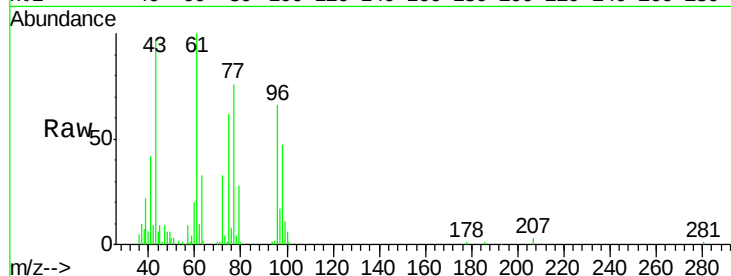
cis-1,2-Dichloroethene
 Concen: 5.611 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	24930		
61	139.0		0.0	301.2
98	63.5		0.0	129.0

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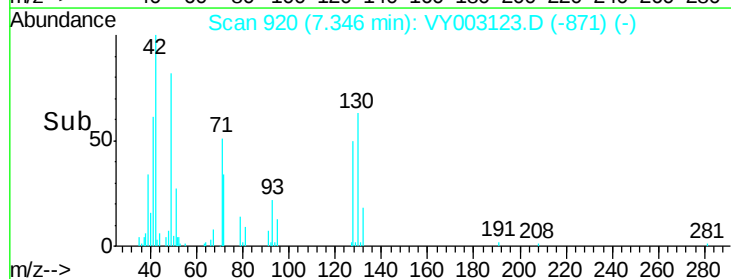
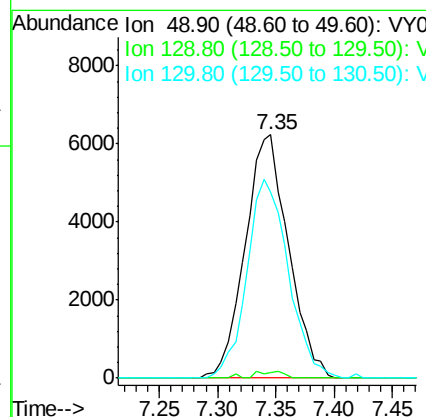
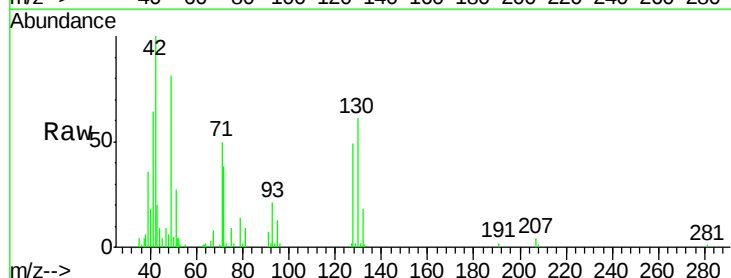
MMDadoda
 7/8/2020 12:20:44 PM

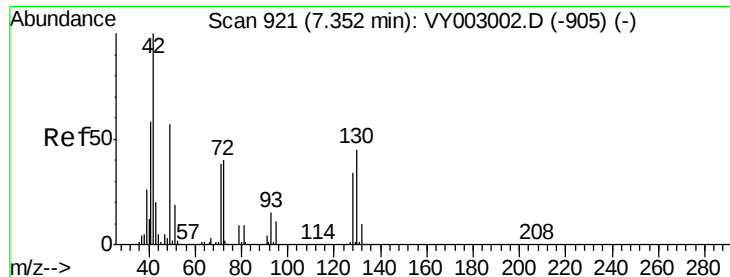


#28

Bromochloromethane
 Concen: 5.062 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	16124		
129	1.7		0.0	4.4
130	78.2		57.0	85.6





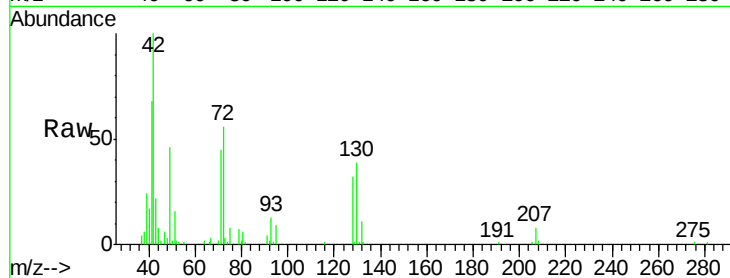
#29
Tetrahydrofuran
Concen: 24.321 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

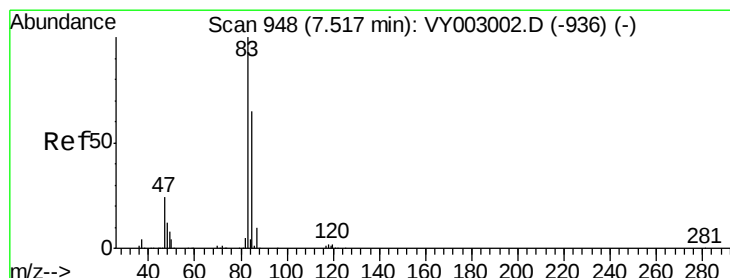
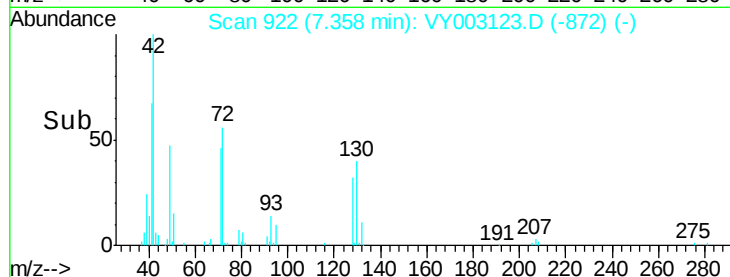
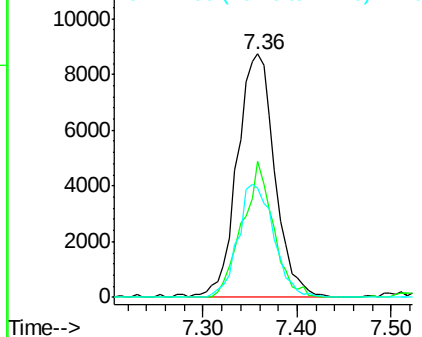
Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	32.9	49.3
71	44.6	31.2	46.8

Manual Integrations
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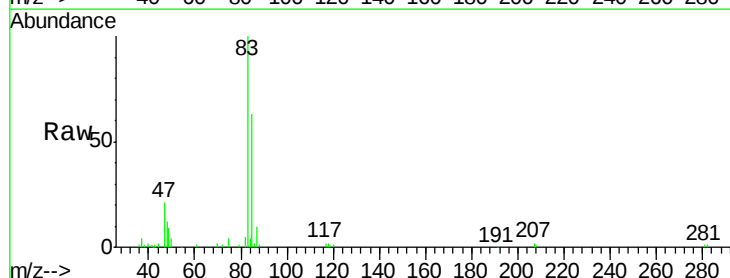


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

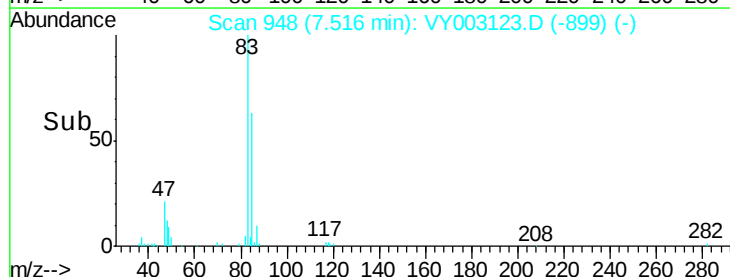
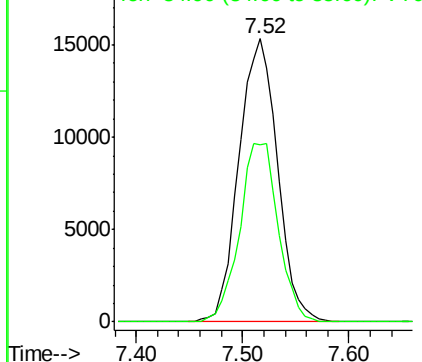


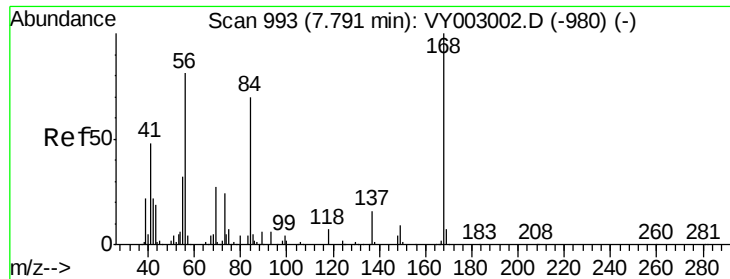
#30
Chloroform
Concen: 5.499 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.7	77.5



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





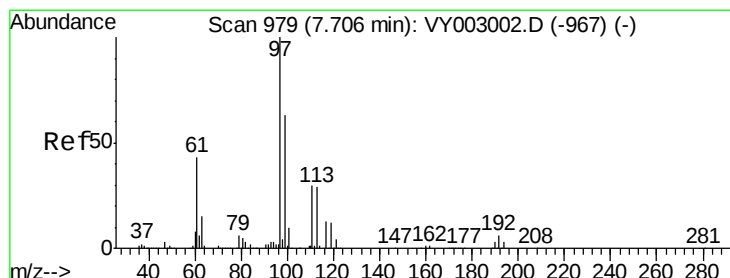
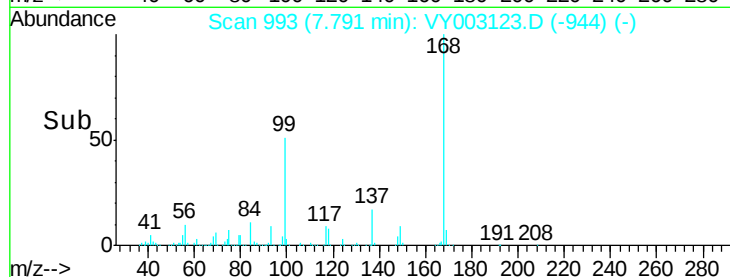
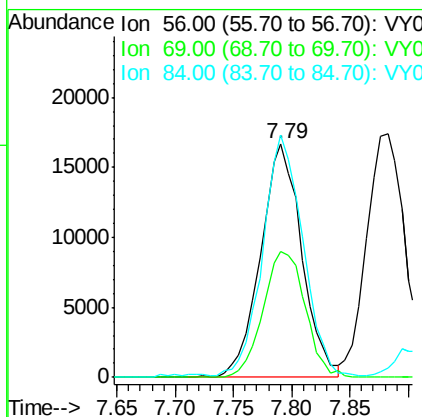
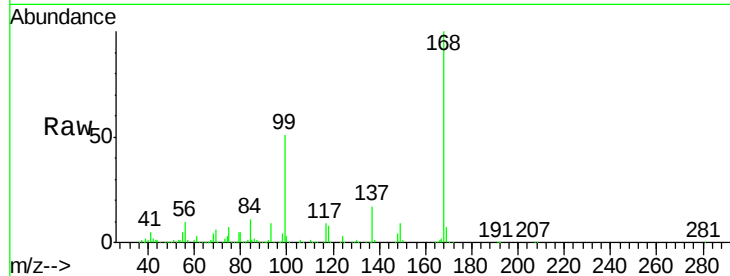
#31
Cyclohexane
Concen: 5.778 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	54.0	27.0	40.4#
84	102.2	68.1	102.1#

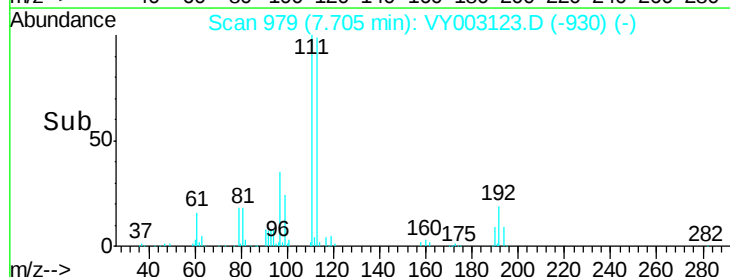
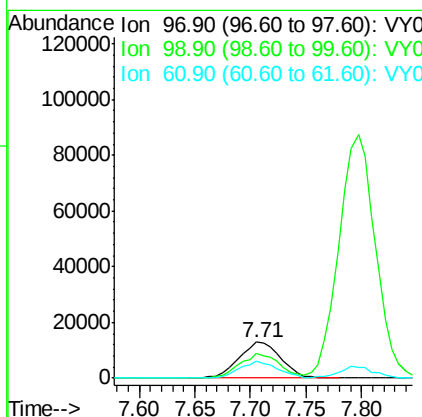
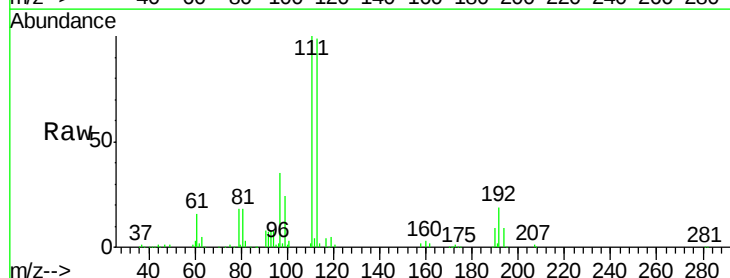
Manual Integrations
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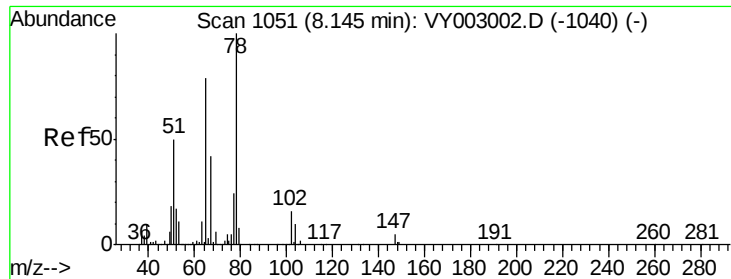
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 5.200 ug/l
RT: 7.71 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.2
61	42.2	33.9	50.9





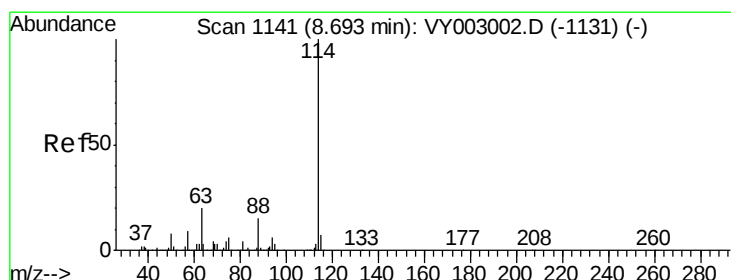
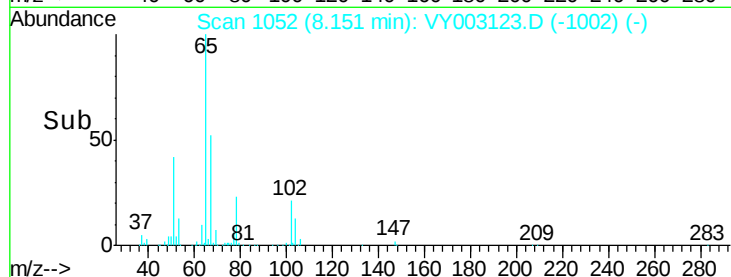
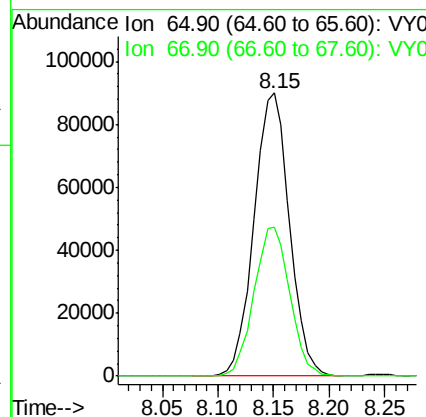
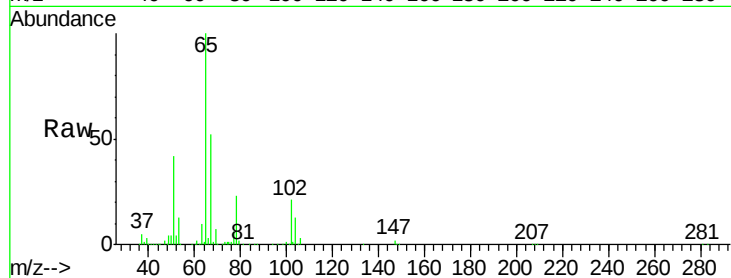
#33
 1,2-Dichloroethane-d4
 Concen: 49.679 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	105.6	

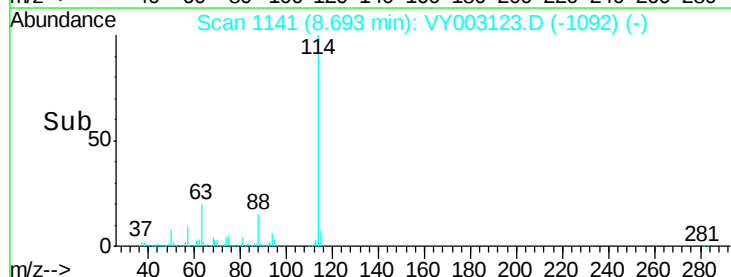
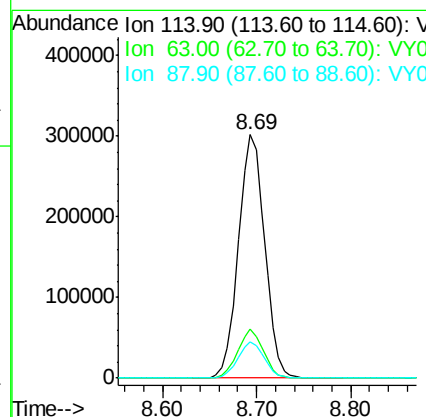
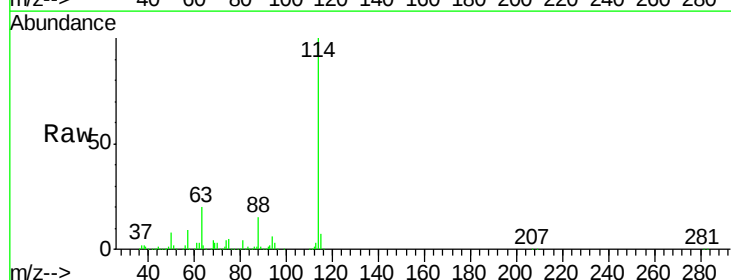
Manual Integrations
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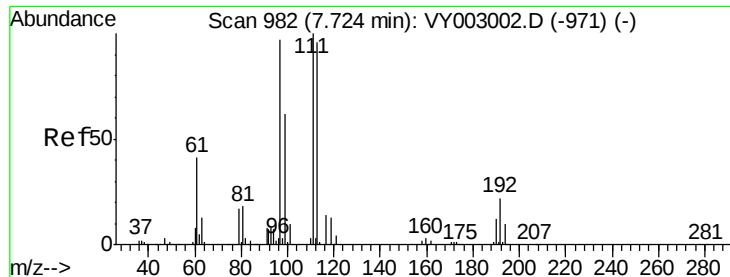
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.3	0.0	40.6	
88	14.9	0.0	30.0	





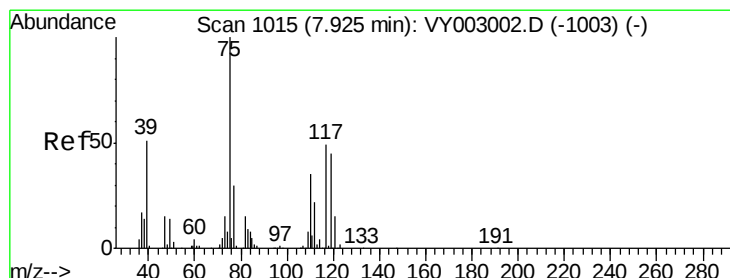
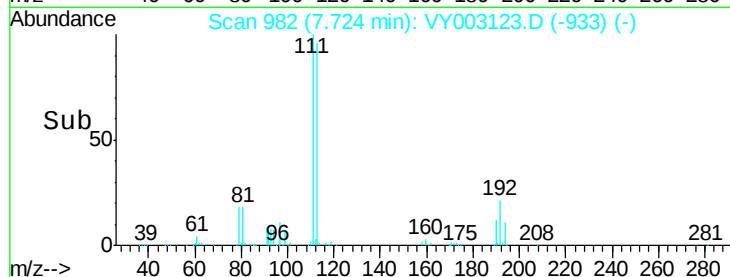
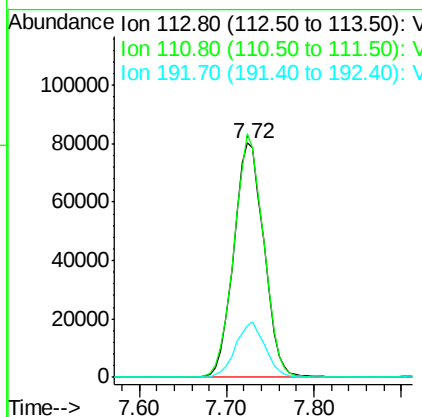
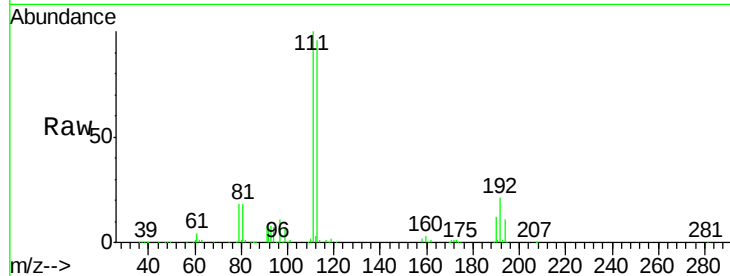
#35
 Dibromofluoromethane
 Concen: 52.875 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	193309		
111	100.9	82.6	123.8	
192	22.9	18.1	27.1	

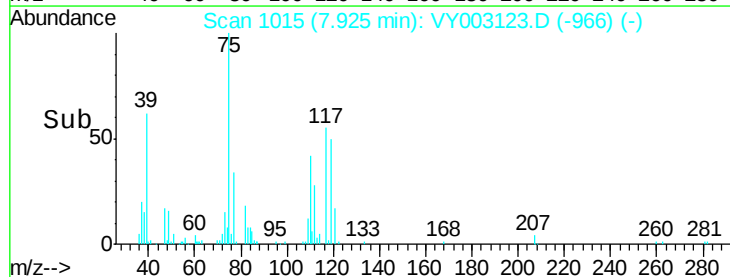
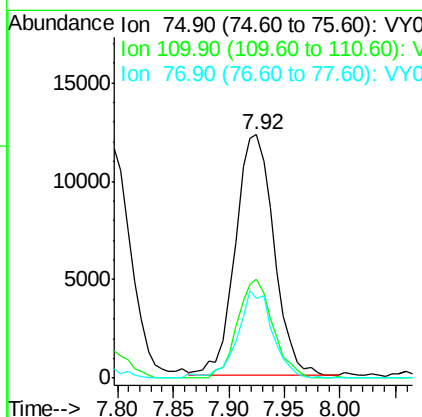
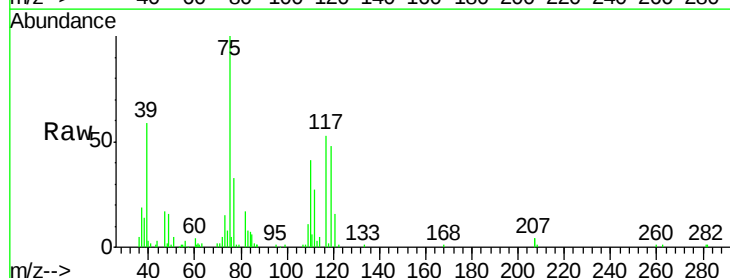
Manual Integrations
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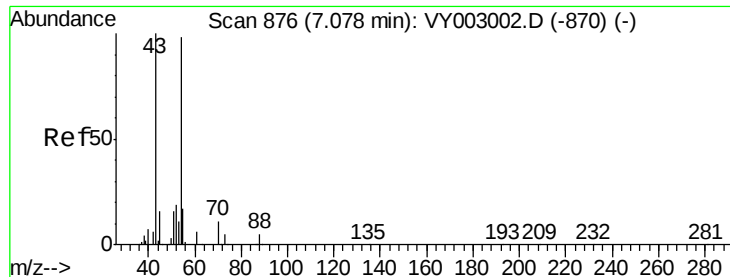
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#36
 1,1-Dichloropropene
 Concen: 5.198 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29346		
110	37.7	17.1	51.2	
77	33.1	24.9	37.3	





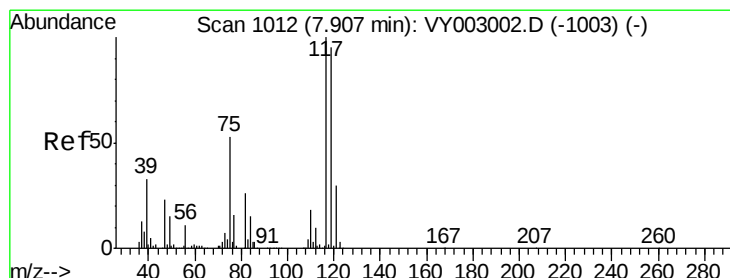
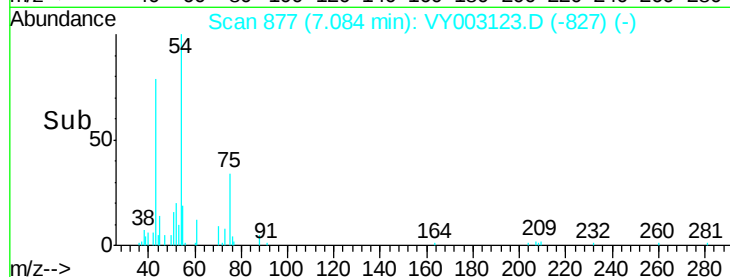
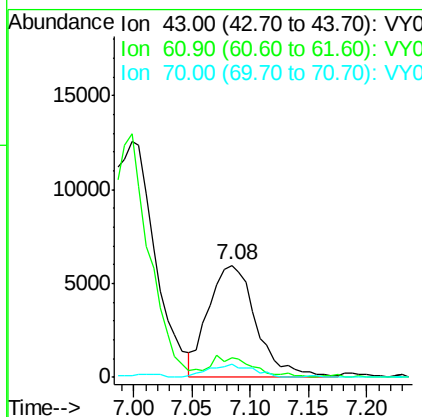
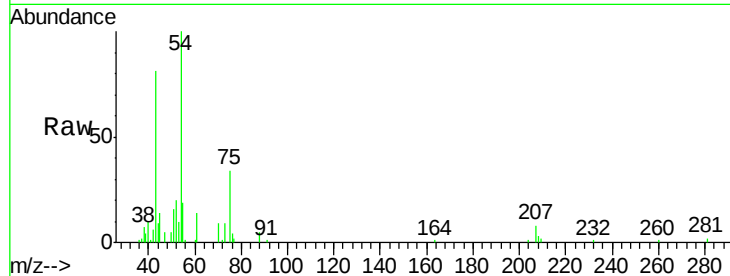
#37
Ethyl Acetate
Concen: 5.025 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	10.4	15.6
70	10.8	7.7	11.5

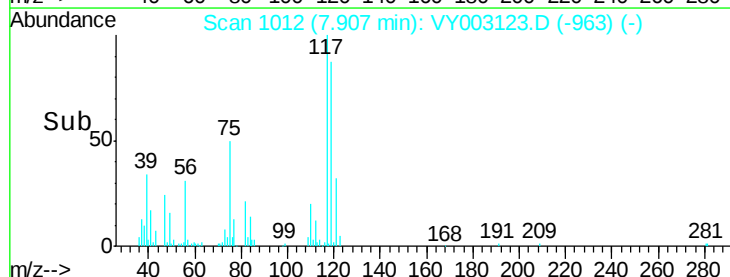
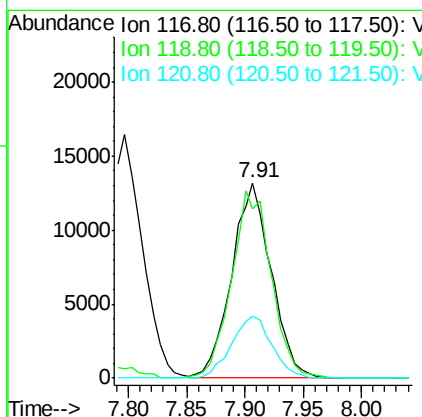
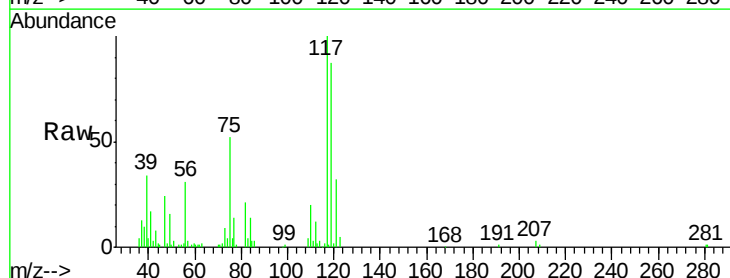
Manual Integrations
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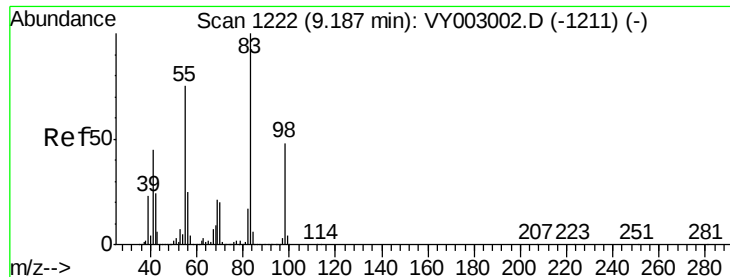
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#38
Carbon Tetrachloride
Concen: 5.313 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.5	75.7	113.5
121	31.5	23.9	35.9





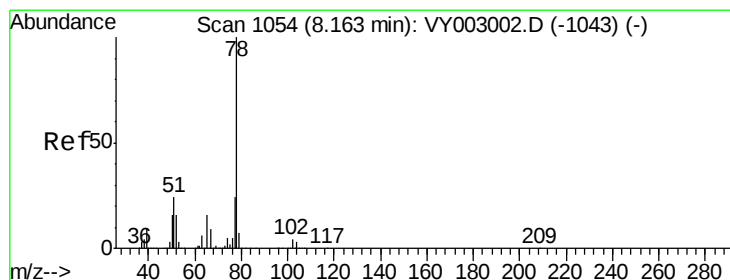
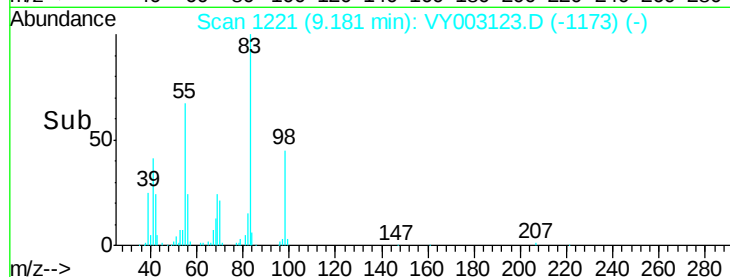
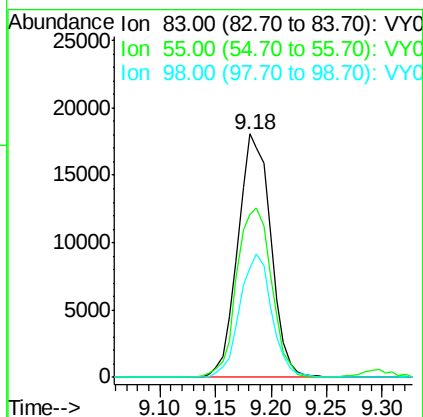
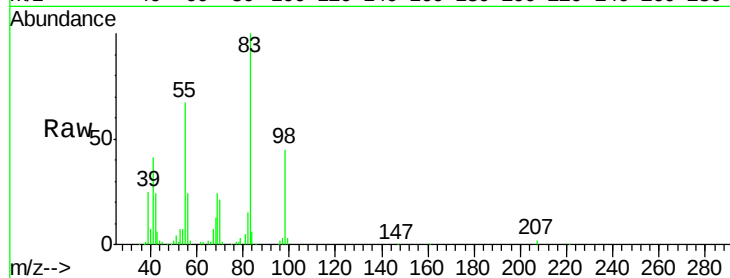
#39
Methvlcvclohexane
Concen: 5.325 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.9	59.9	89.9
98	45.0	38.7	58.1

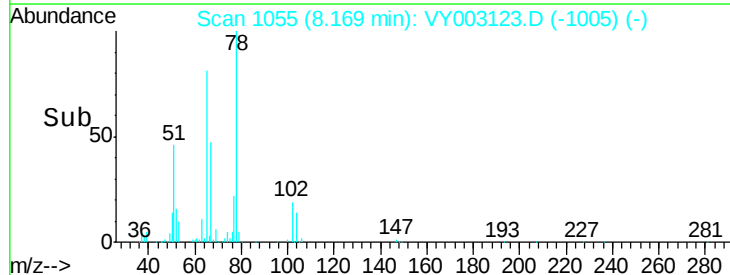
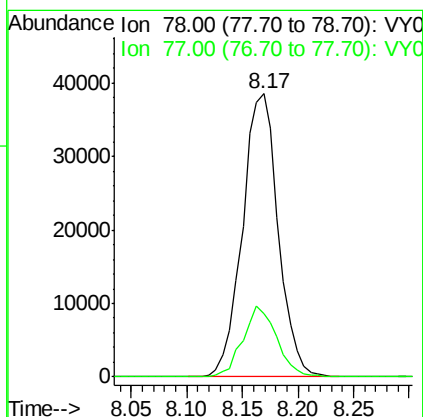
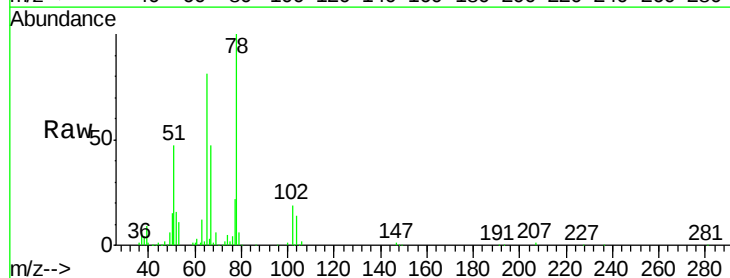
Manual Integrations
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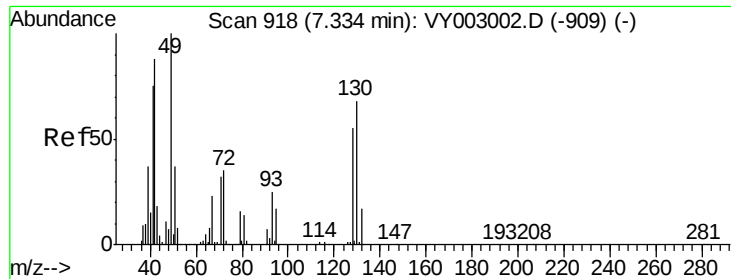
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#40
Benzene
Concen: 5.559 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.2	28.8





#41

Methacrylonitrile

Concen: 4.653 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. -0.01 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 41 Resp: 8436

Ion Ratio Lower Upper

41 100

39 0.0 85.7 128.5#

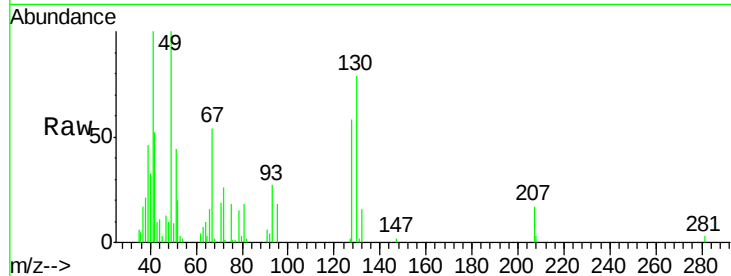
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

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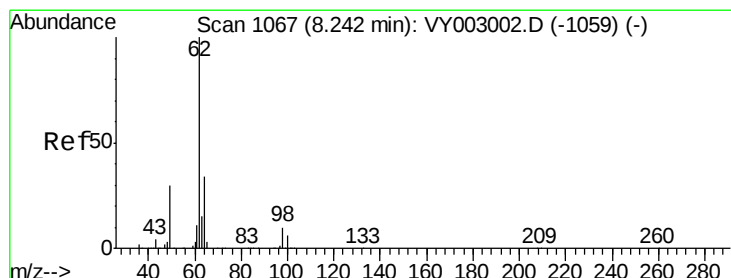
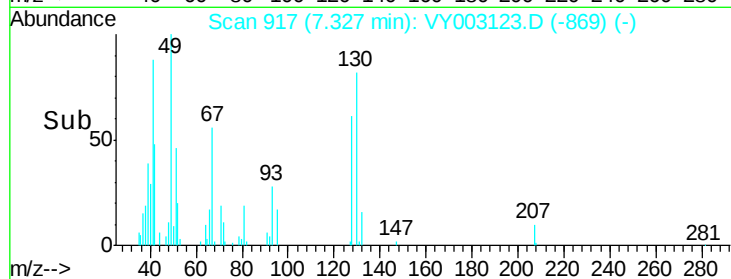
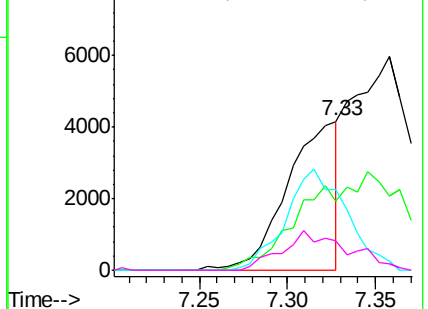


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 5.354 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VY003123.D

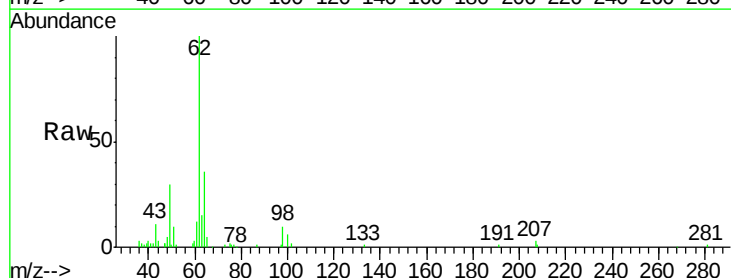
Acq: 07 Jul 2020 13:51

Tgt Ion: 62 Resp: 26176

Ion Ratio Lower Upper

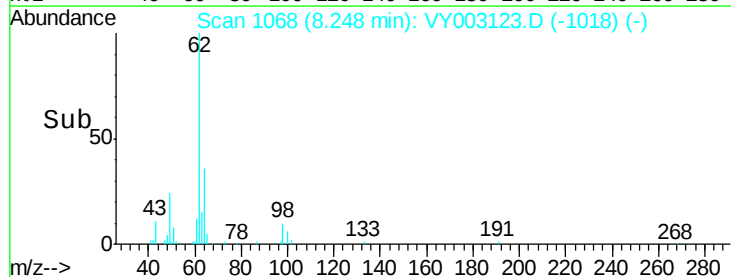
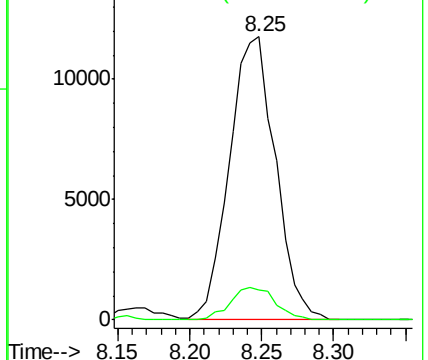
62 100

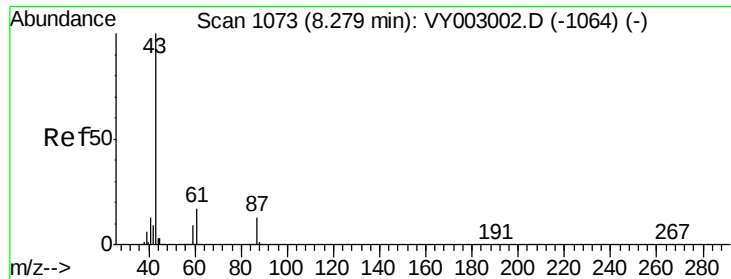
98 11.2 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





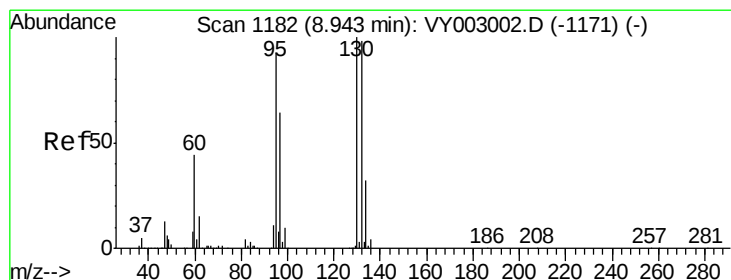
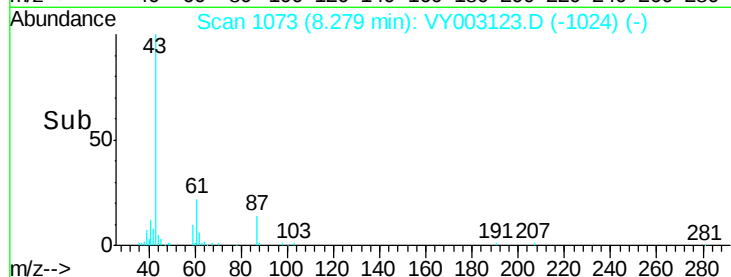
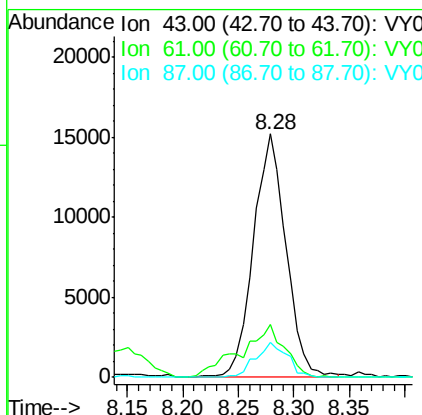
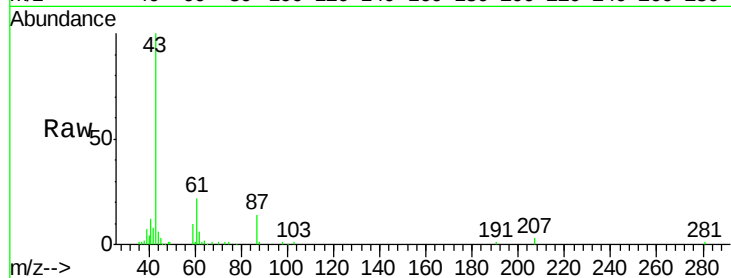
#43
Isopropyl Acetate
Concen: 4.815 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	21.8	32.6
87	14.1	10.1	15.1

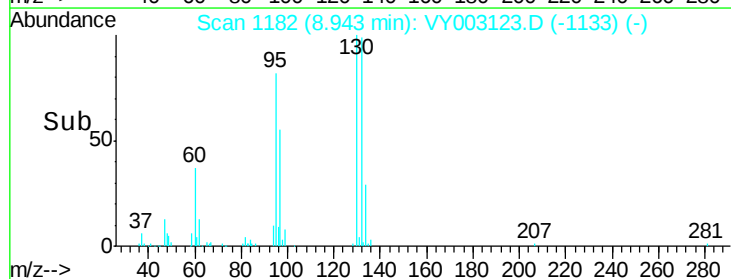
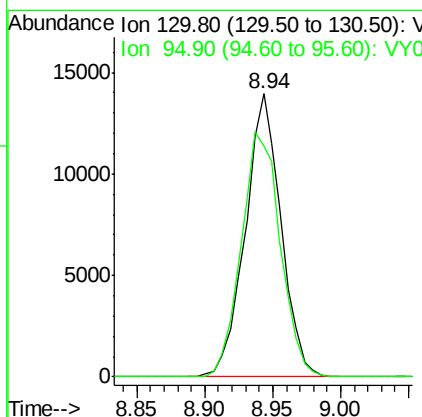
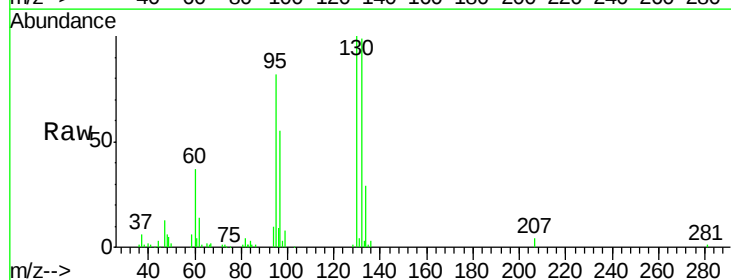
Manual Integrations
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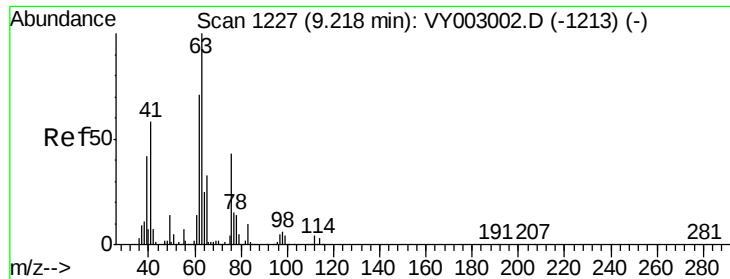
MMDadoda
7/8/2020 12:20:44 PM



#44
Trichloroethene
Concen: 5.708 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	81.6	0.0	186.4





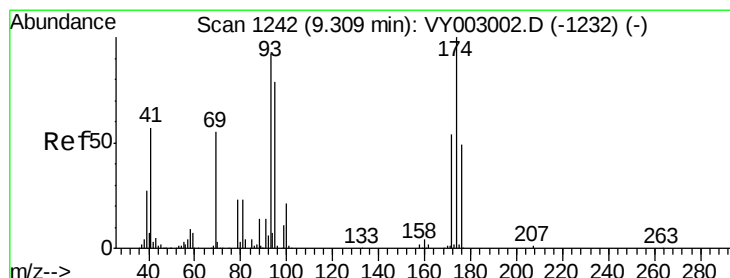
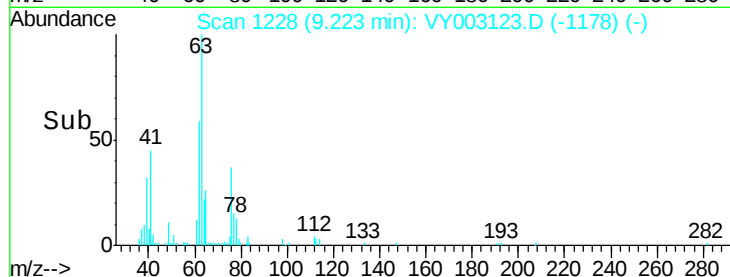
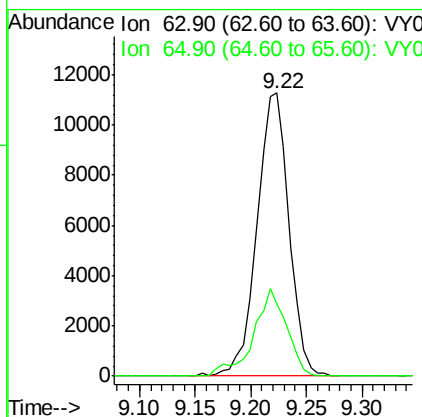
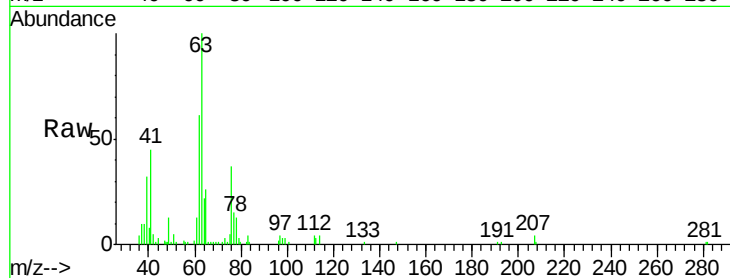
#45
 1,2-Dichloropropane
 Concen: 5.431 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
63	100		
65	25.6	26.2	39.4#

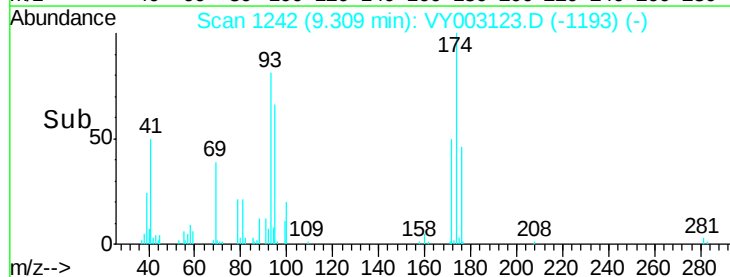
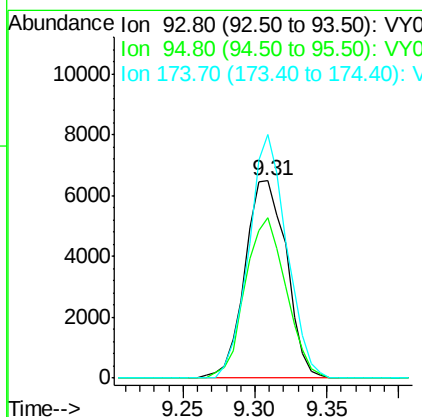
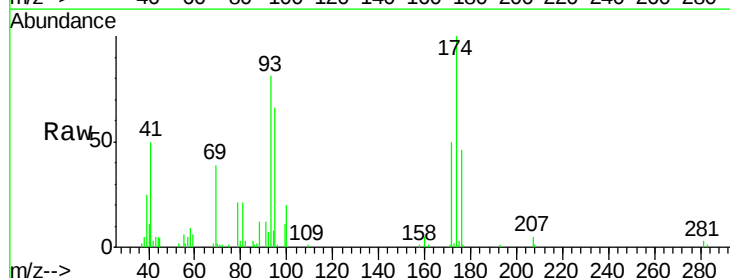
Manual Integrations
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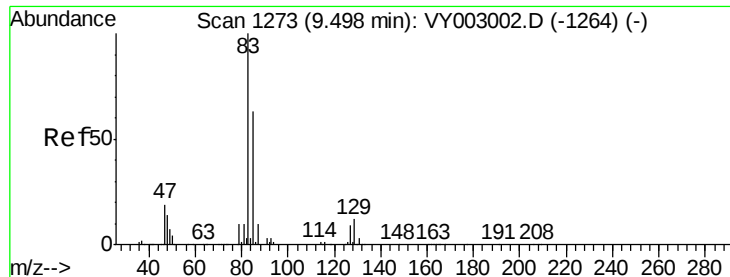
MMDadoda
 7/8/2020 12:20:44 PM



#46
 Dibromomethane
 Concen: 5.555 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.1	67.6	101.4
174	112.8	88.3	132.5





#47

Bromodichloromethane

Concen: 5.265 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

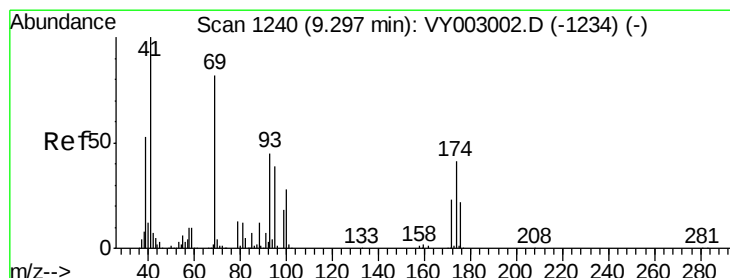
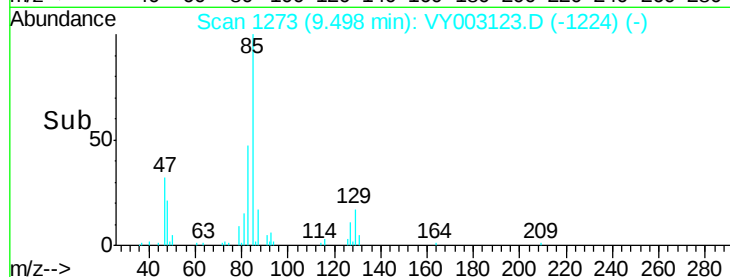
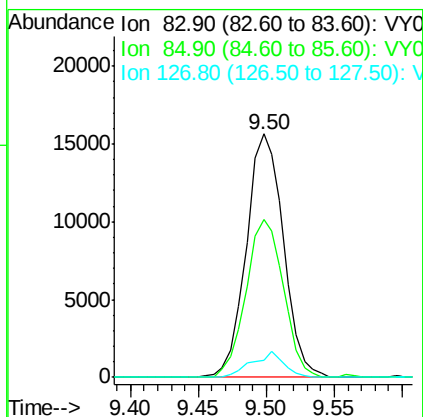
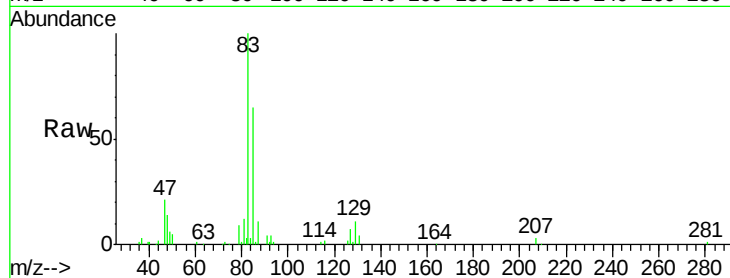
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	83	Resp:	29941
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.5	75.7
127	7.2	7.0	10.4

Manual Integrations
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7/8/2020 12:20:44 PM



#48

Methyl methacrylate

Concen: 4.764 ug/l

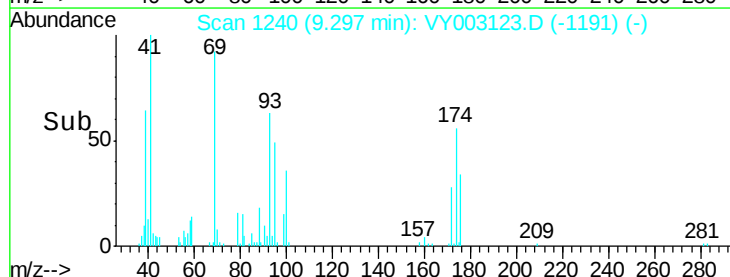
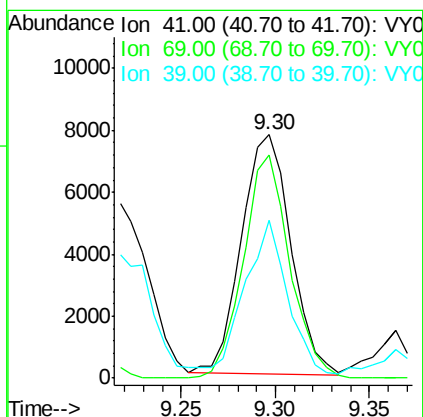
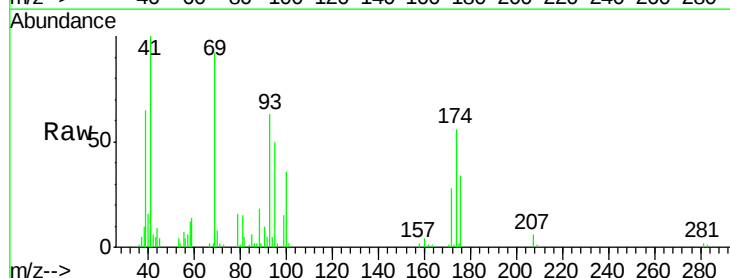
RT: 9.30 min Scan# 1240

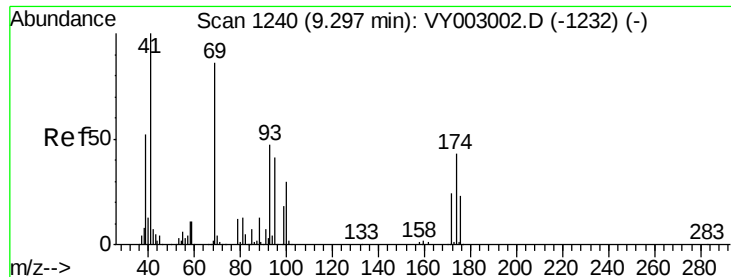
Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Tgt Ion:	41	Resp:	13992
Ion Ratio	Lower	Upper	
41	100		
69	87.8	67.7	101.5
39	54.2	45.0	67.4





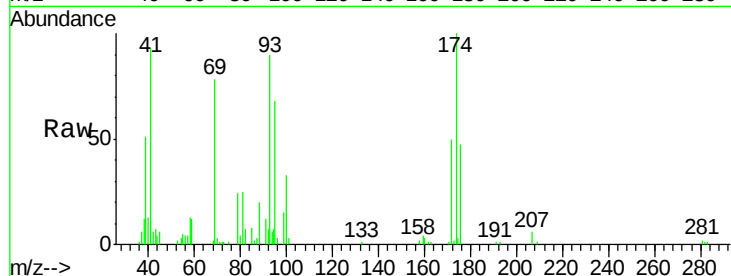
#49
1,4-Dioxane
Concen: 105.051 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	28.6	42.8
58	85.6	56.7	85.1#

Manual Integrations
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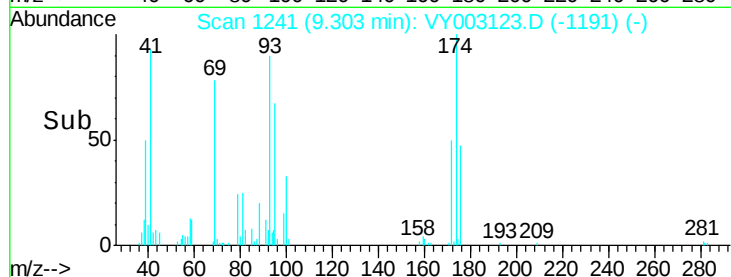


Abundance

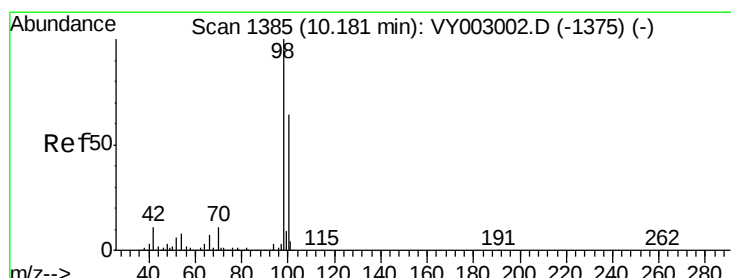
Ion 88.00 (87.70 to 88.70): VY003123.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VY003123.D (-1191) (-)

Ion 58.00 (57.70 to 58.70): VY003123.D (-1191) (-)

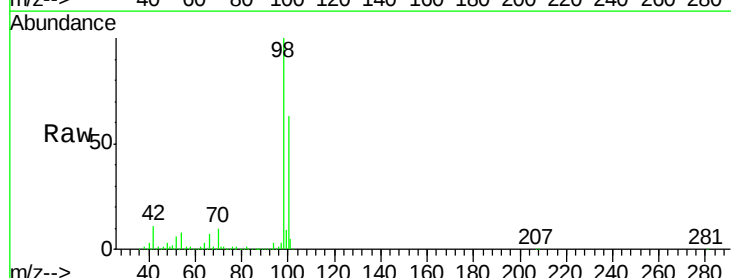


Time-->



#50
Toluene-d8
Concen: 52.469 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

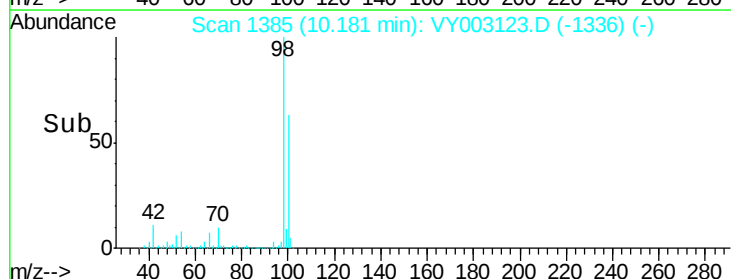
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7



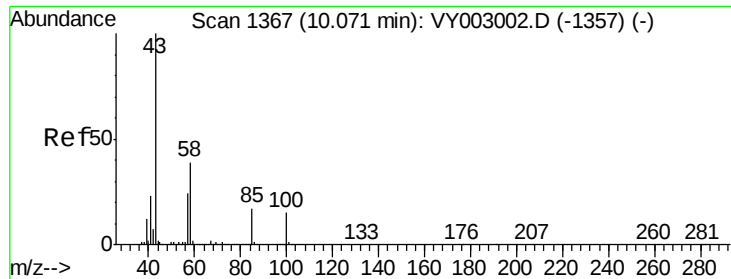
Abundance

Ion 98.00 (97.70 to 98.70): VY003123.D (-1336) (-)

Ion 100.00 (99.70 to 100.70): VY003123.D (-1336) (-)



Time-->



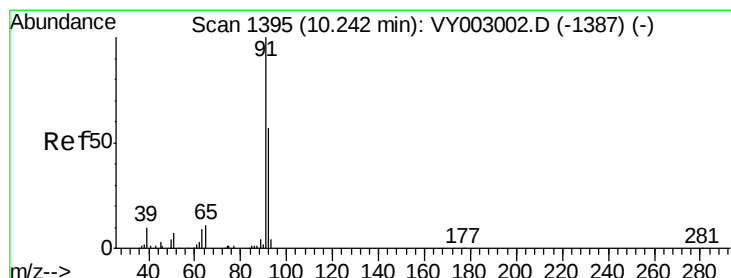
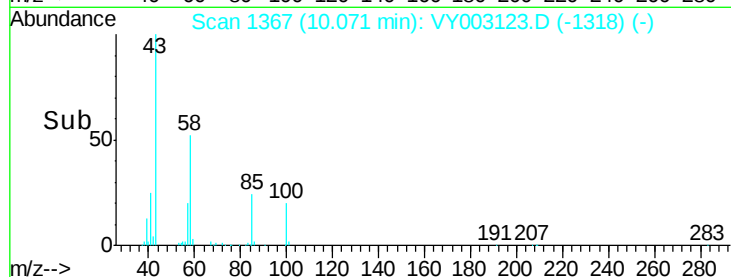
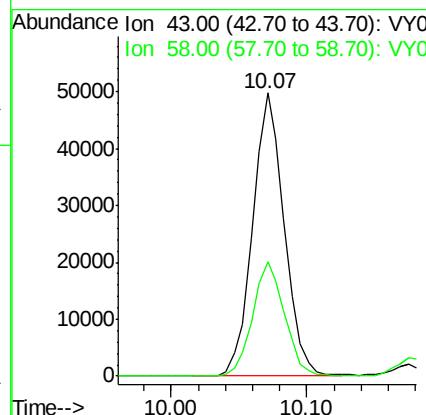
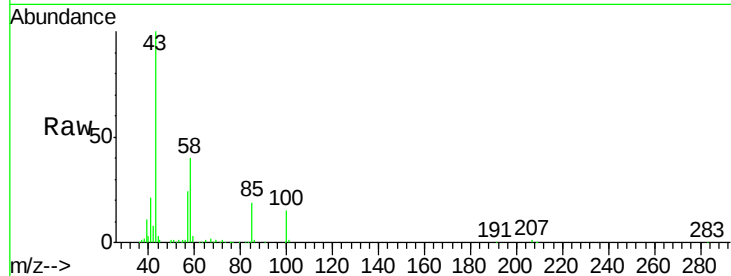
#51
4-Methyl-2-Pentanone
Concen: 24.122 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	43	Resp	80447
Ion Ratio	100	Lower	Upper
43	100		
58	41.1	31.1	46.7

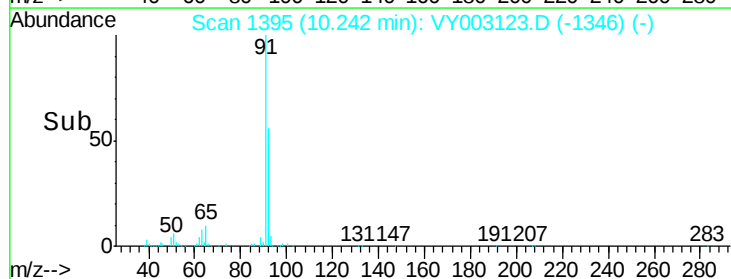
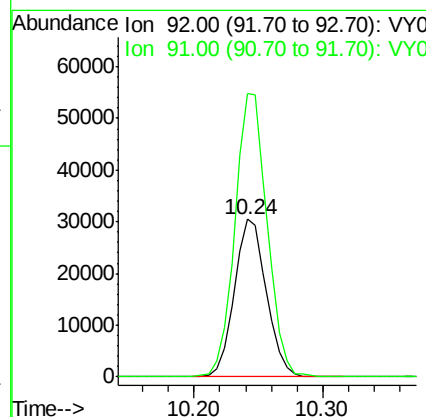
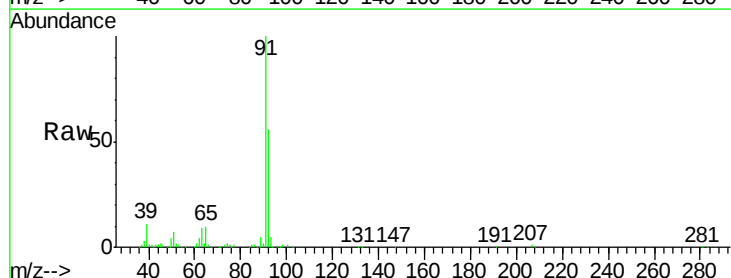
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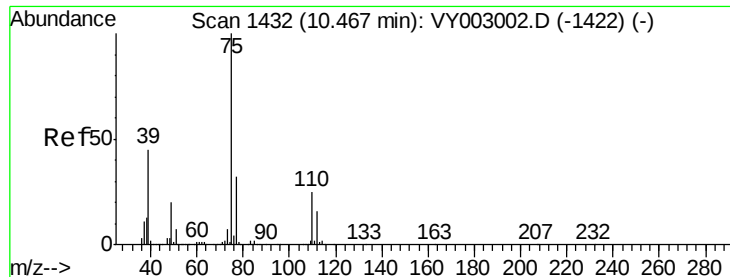
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#52
Toluene
Concen: 5.402 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion	92	Resp	52556
Ion Ratio	100	Lower	Upper
92	100		
91	181.3	139.6	209.4





#53

t-1,3-Dichloropropene

Concen: 4.876 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 75 Resp: 29068

Ion Ratio Lower Upper

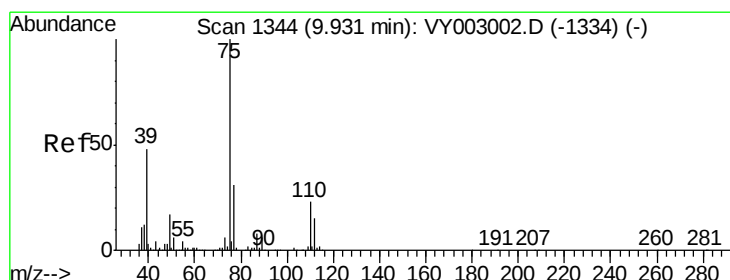
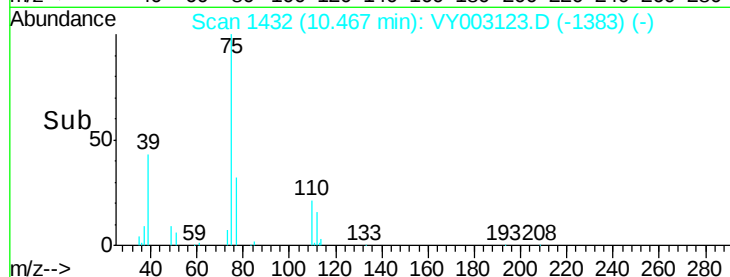
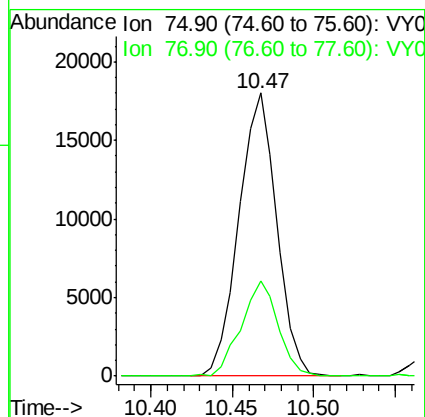
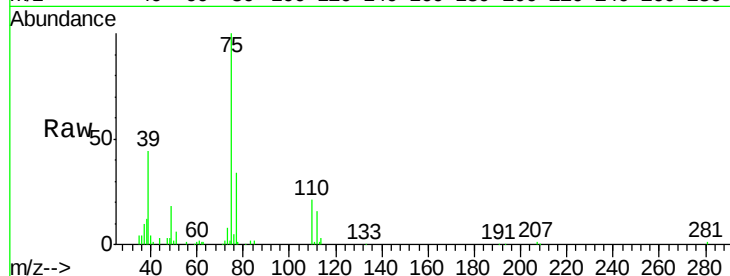
75 100

77 33.8 25.9 38.9

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 5.098 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

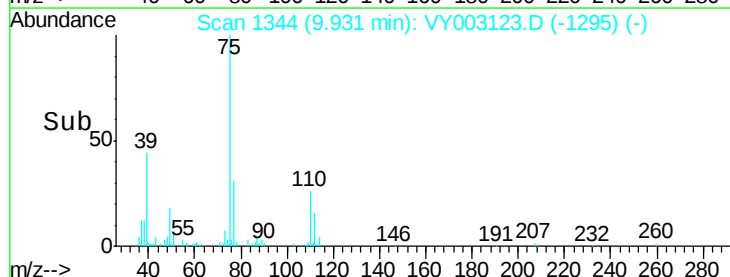
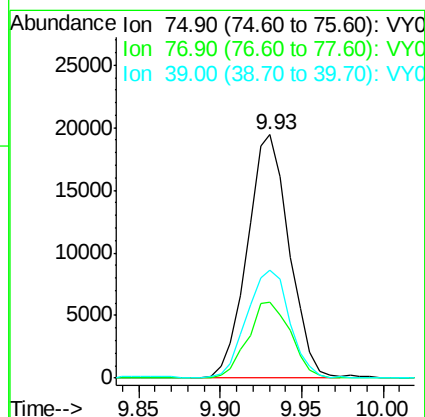
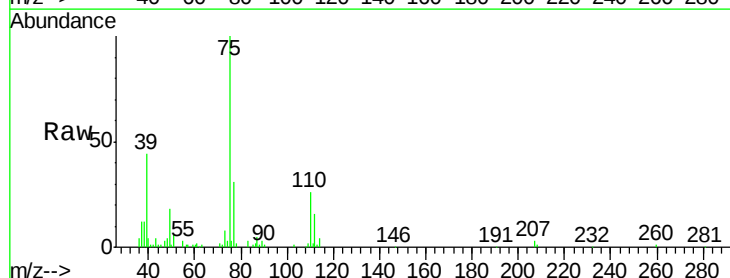
Tgt Ion: 75 Resp: 34757

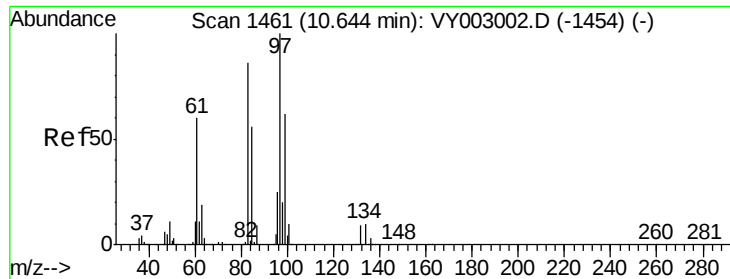
Ion Ratio Lower Upper

75 100

77 31.4 24.6 37.0

39 44.2 38.3 57.5





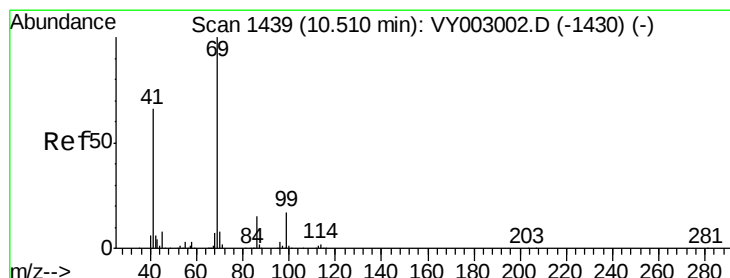
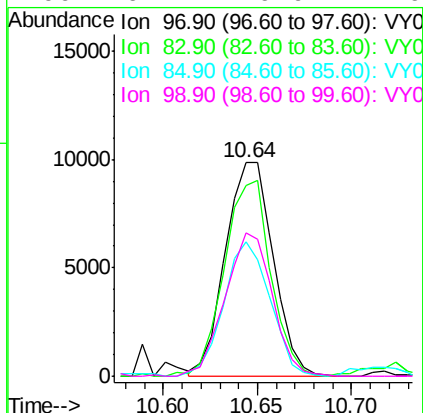
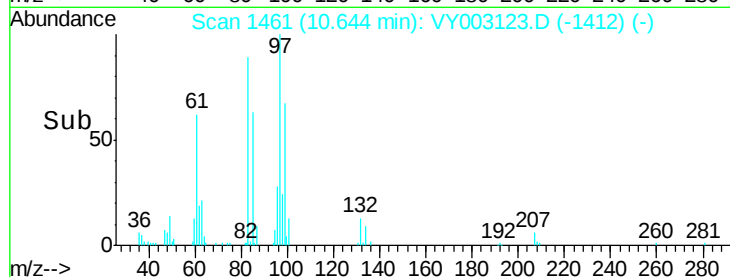
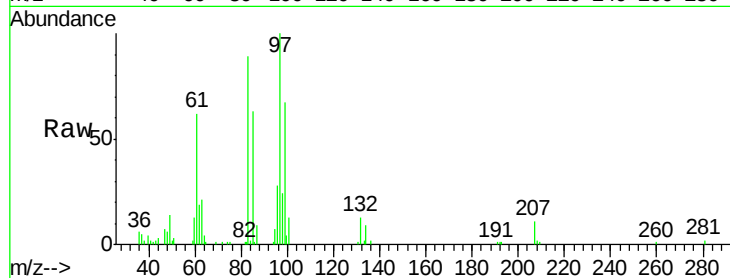
#55
 1,1,2-Trichloroethane
 Concen: 5.405 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion:	97	Resp:	17442
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.0	103.6
85	61.9	44.8	67.2
99	67.4	49.9	74.9

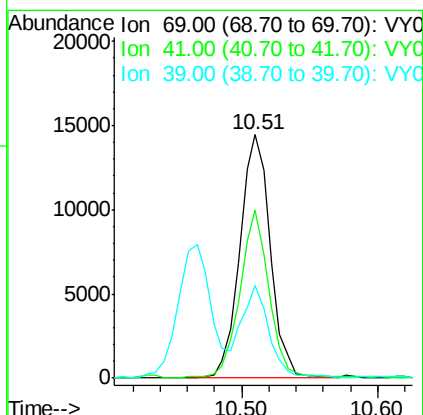
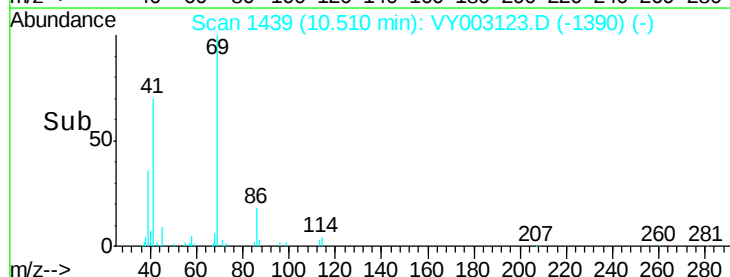
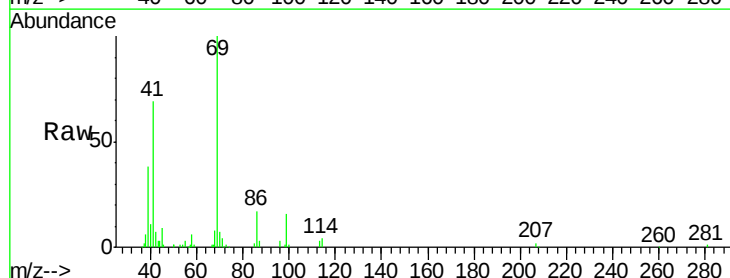
Manual Integrations
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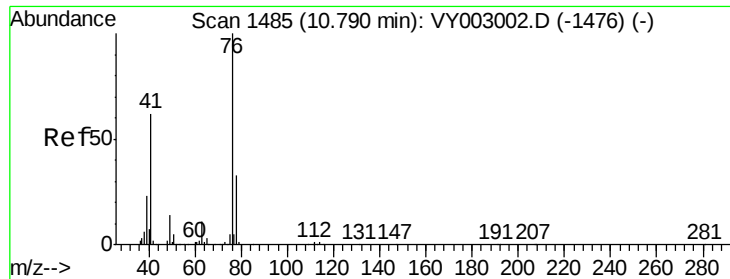
MMDadoda
 7/8/2020 12:20:44 PM



#56
 Ethyl methacrylate
 Concen: 4.828 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion:	69	Resp:	22555
Ion	Ratio	Lower	Upper
69	100		
41	66.3	53.7	80.5
39	34.2	28.3	42.5





#57

1,3-Dichloropropane

Concen: 5.346 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 76 Resp: 30286

Ion Ratio Lower Upper

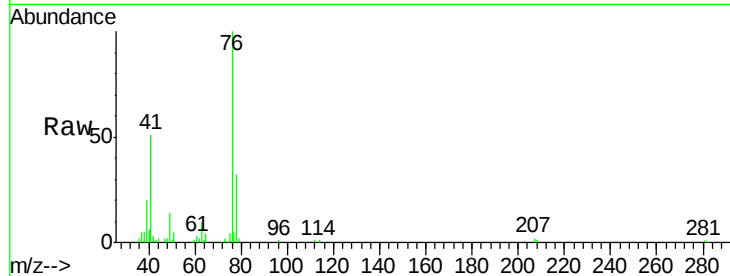
76 100

78 33.7 26.0 39.0

Manual Integrations
APPROVED

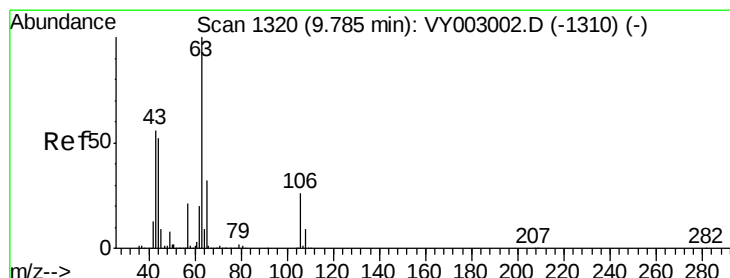
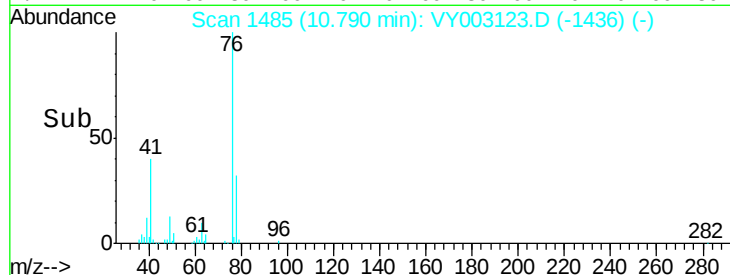
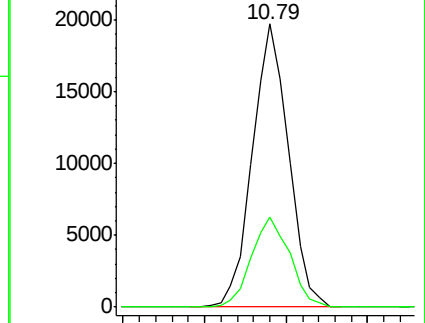
MMDadoda

7/8/2020 12:20:44 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 25.398 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003123.D

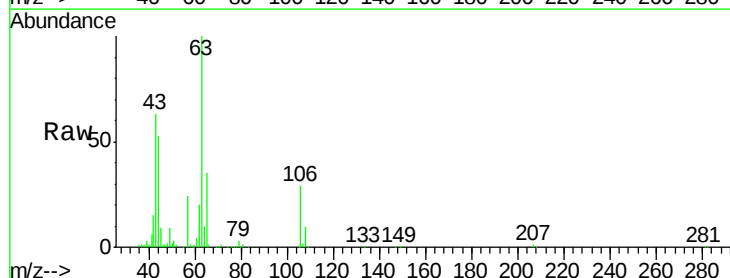
Acq: 07 Jul 2020 13:51

Tgt Ion: 63 Resp: 60847

Ion Ratio Lower Upper

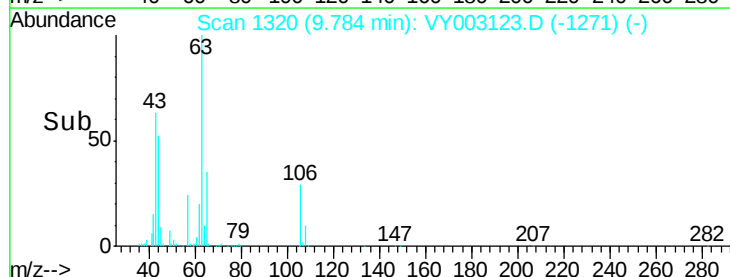
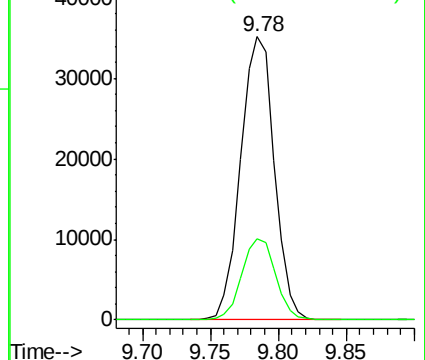
63 100

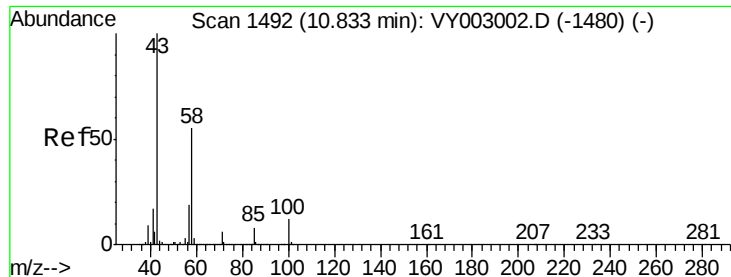
106 28.7 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





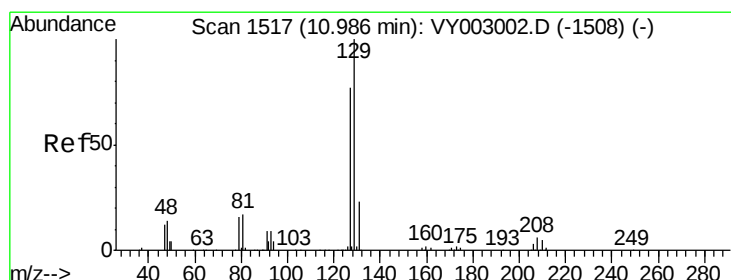
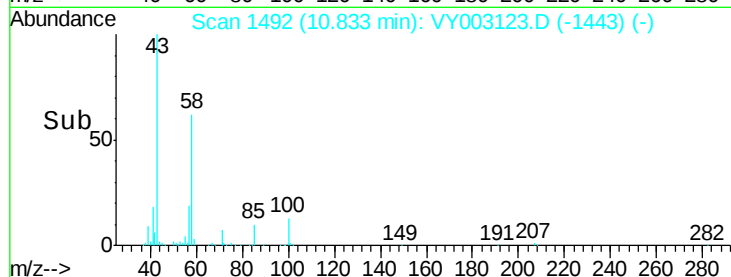
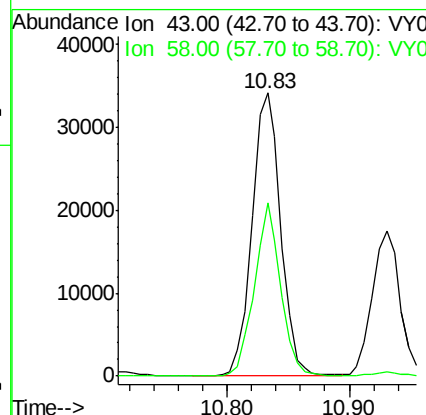
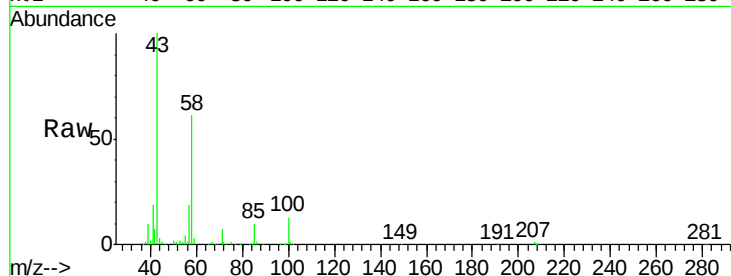
#59
2-Hexanone
Concen: 23.928 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	27.5	82.4

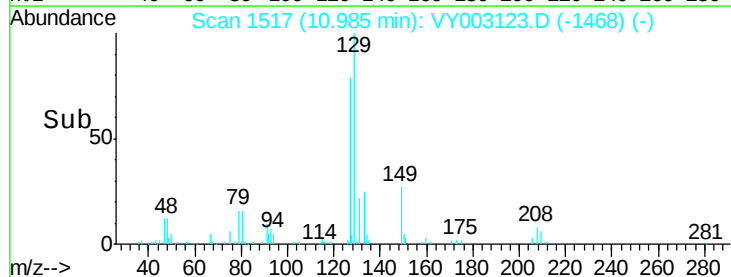
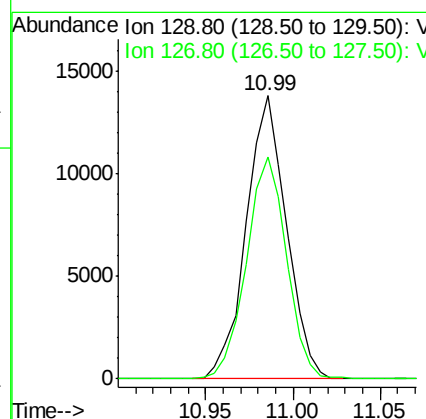
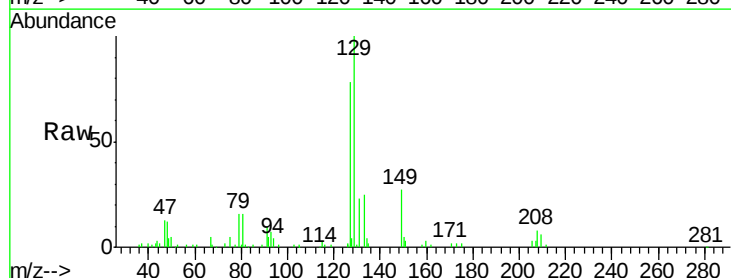
Manual Integrations
APPROVED

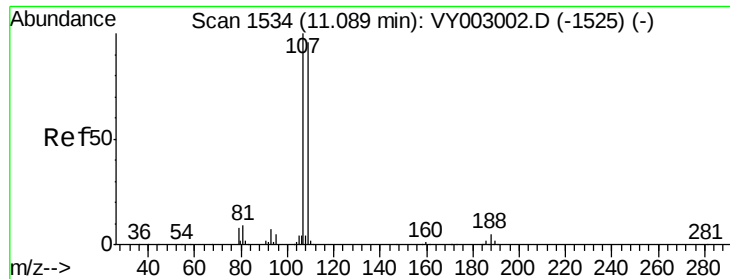
MMDadoda
7/8/2020 12:20:44 PM



#60
Dibromochloromethane
Concen: 5.332 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.3





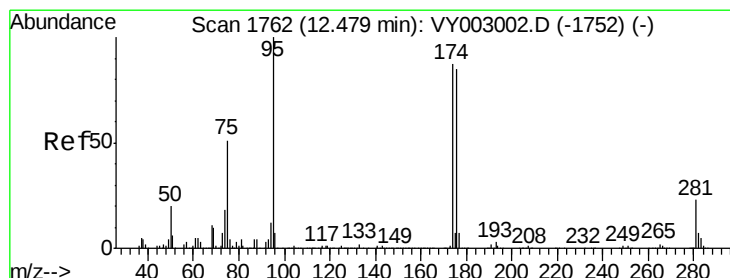
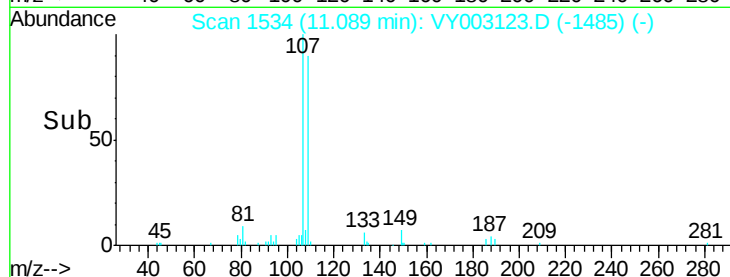
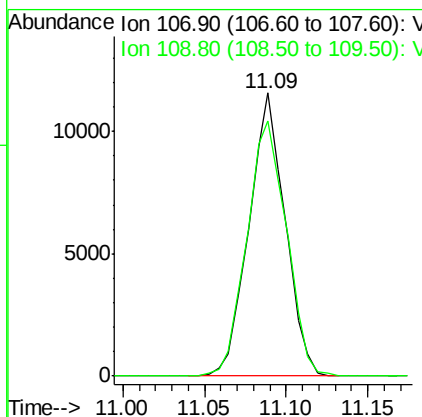
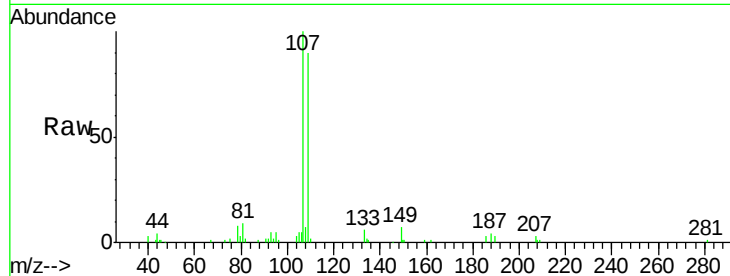
#61
 1,2-Dibromoethane
 Concen: 5.628 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion: 107 Resp: 17904
 Ion Ratio Lower Upper
 107 100
 109 98.4 75.8 113.8

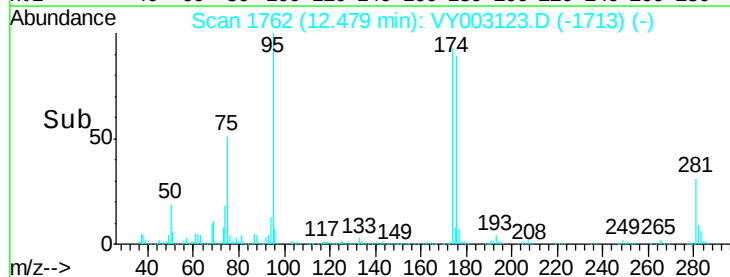
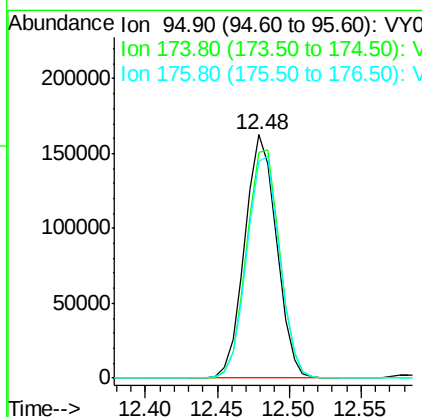
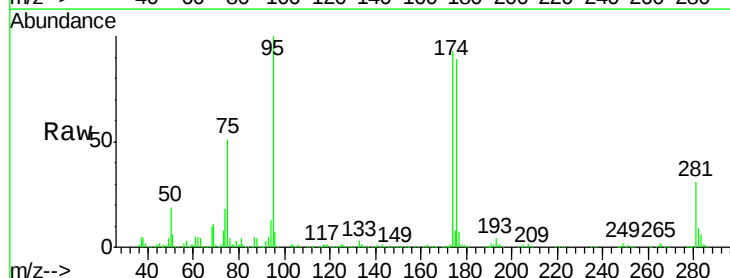
Manual Integrations
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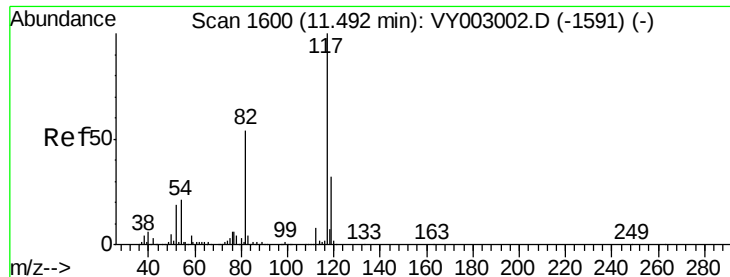
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 7/8/2020 12:20:44 PM



#62
 4-Bromofluorobenzene
 Concen: 51.873 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion: 95 Resp: 248693
 Ion Ratio Lower Upper
 95 100
 174 97.1 0.0 184.8
 176 93.6 0.0 183.0





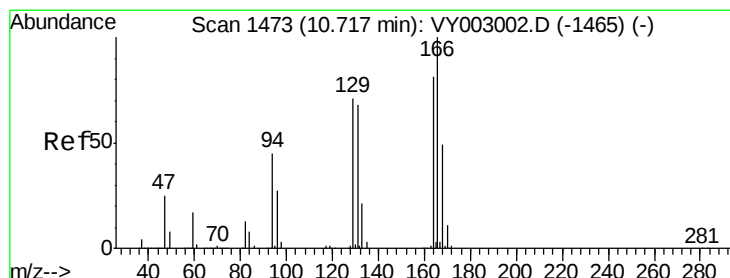
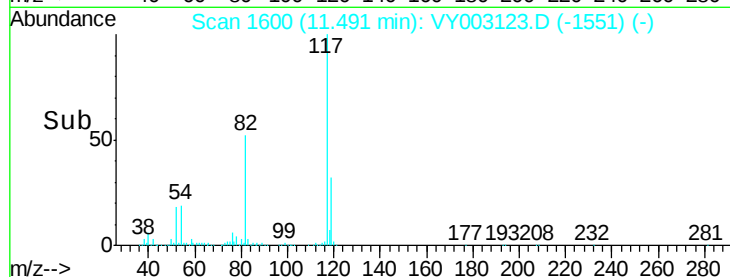
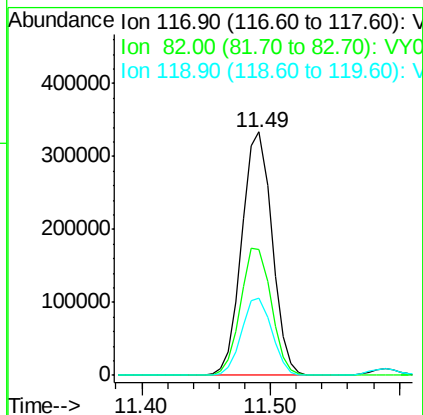
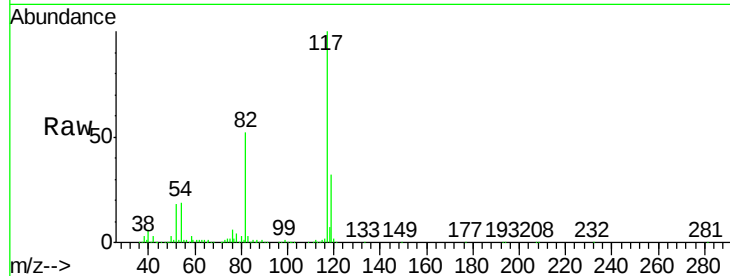
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	540839		
82	51.6		43.0	64.6
119	32.0		25.8	38.8

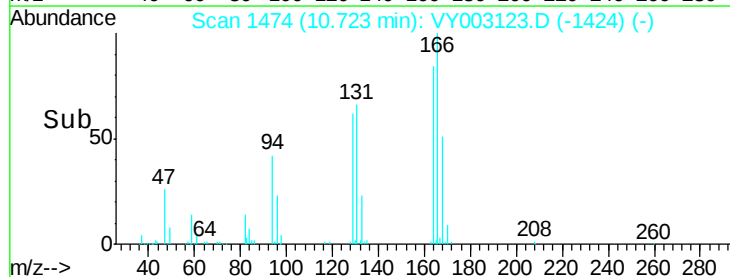
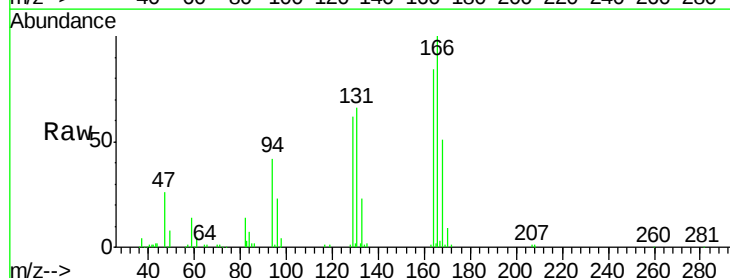
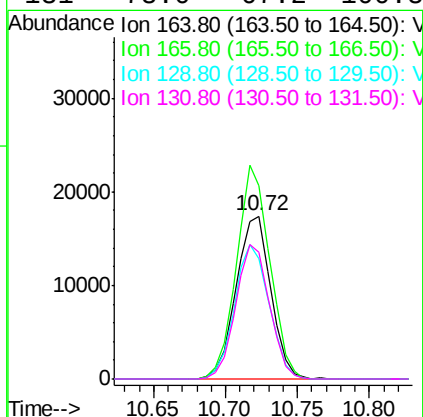
Manual Integrations
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#64
Tetrachloroethene
Concen: 6.368 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	29150		
166	118.5		98.5	147.7
129	74.0		69.7	104.5
131	78.0		67.2	100.8





#65

Chlorobenzene

Concen: 5.563 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:112 Resp: 59330

Ion Ratio Lower Upper

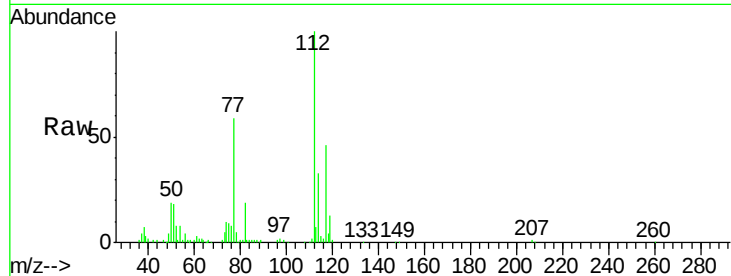
112 100

114 32.9 25.7 38.5

Manual Integrations
APPROVED

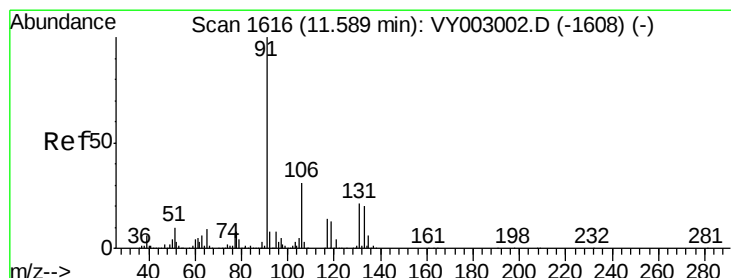
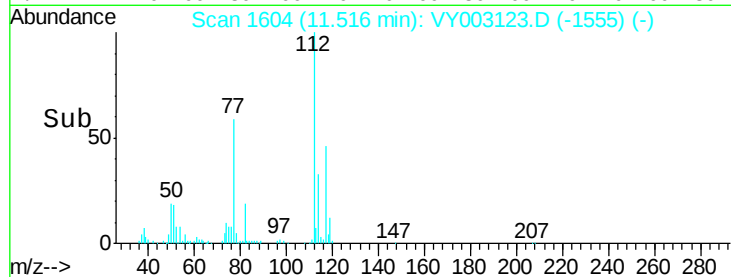
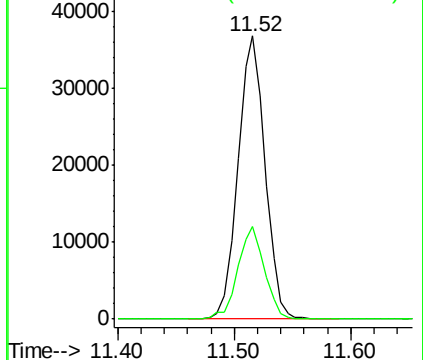
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.434 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

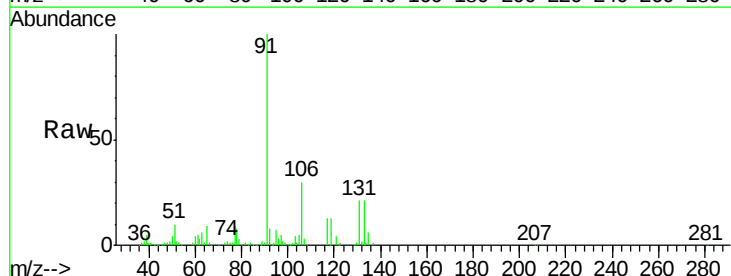
Tgt Ion:131 Resp: 22627

Ion Ratio Lower Upper

131 100

133 98.2 47.9 143.8

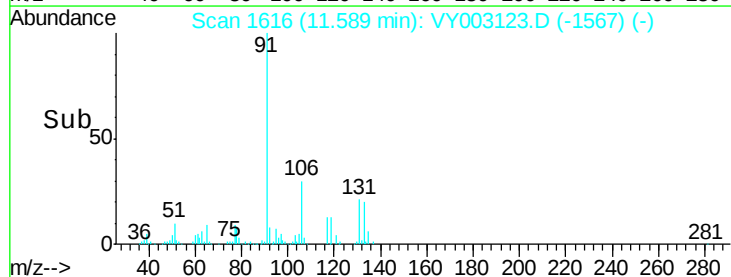
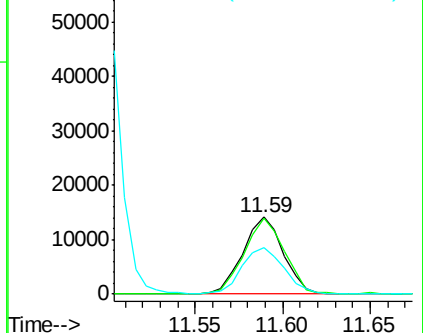
119 63.0 31.8 95.3

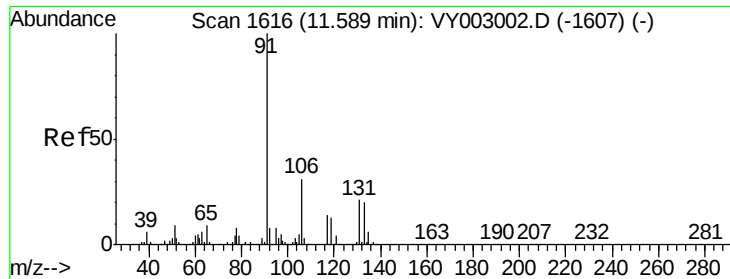


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





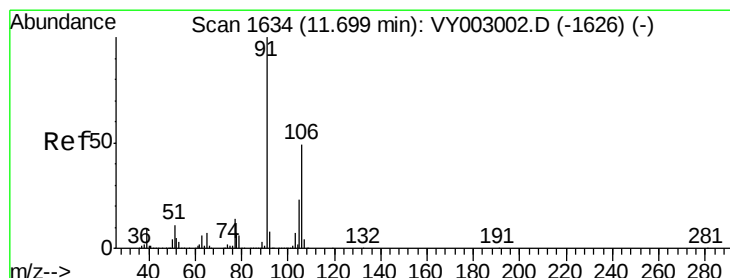
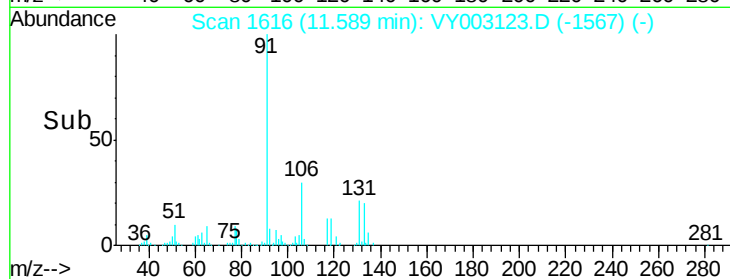
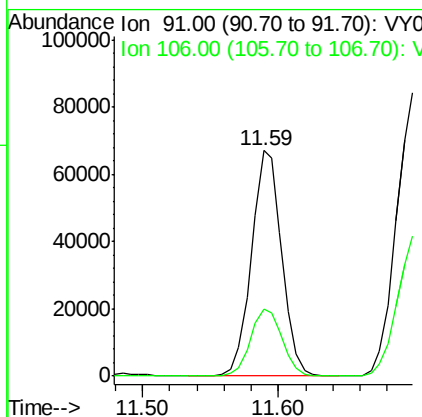
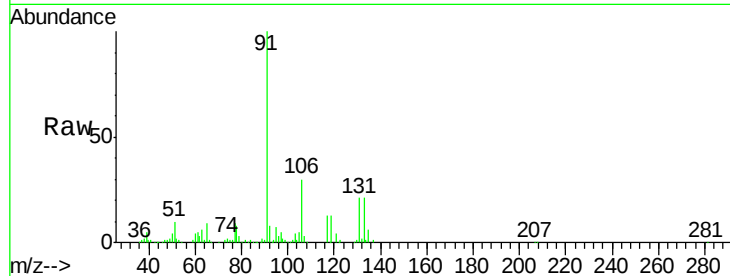
#67
Ethyl Benzene
Concen: 5.345 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion: 91 Resp: 104282
Ion Ratio Lower Upper
91 100
106 29.9 25.0 37.4

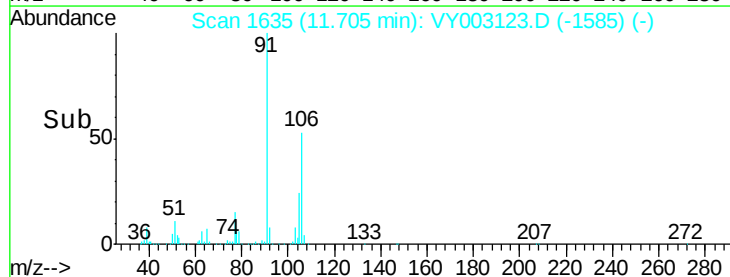
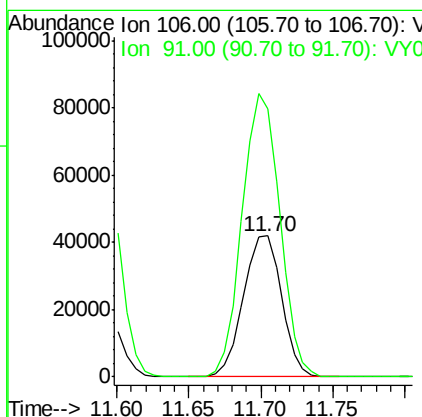
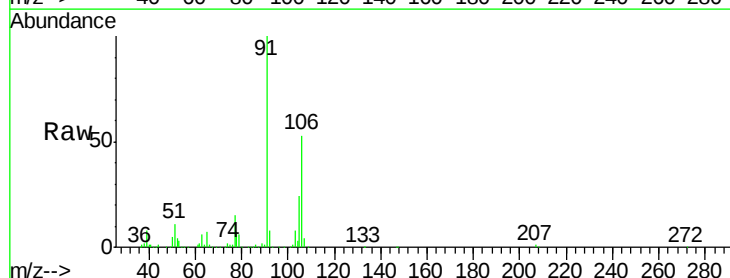
Manual Integrations
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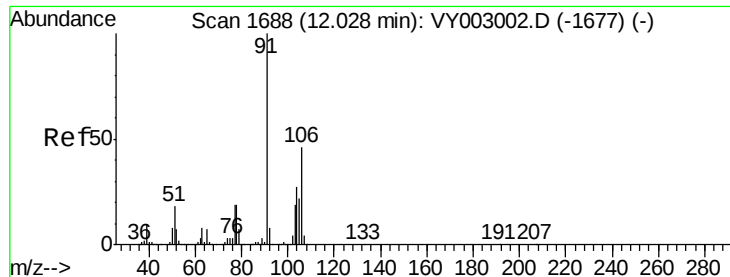
MMDadoda
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#68
m/p-Xylenes
Concen: 10.602 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion: 106 Resp: 76982
Ion Ratio Lower Upper
106 100
91 198.8 161.9 242.9





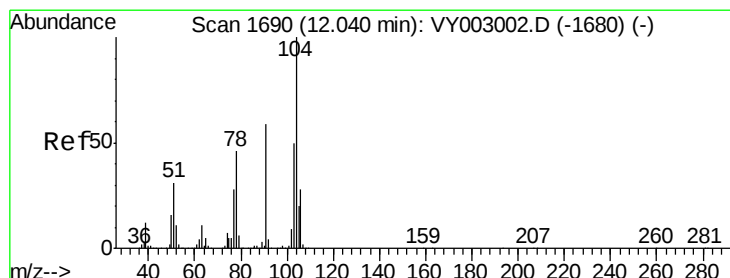
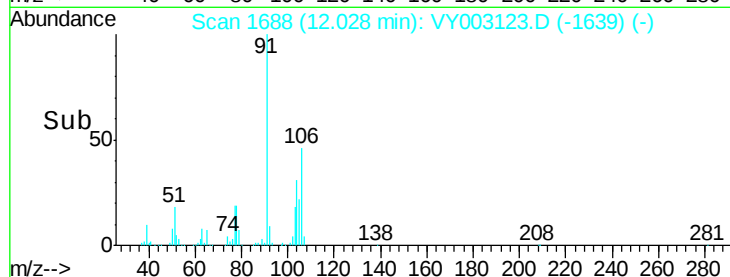
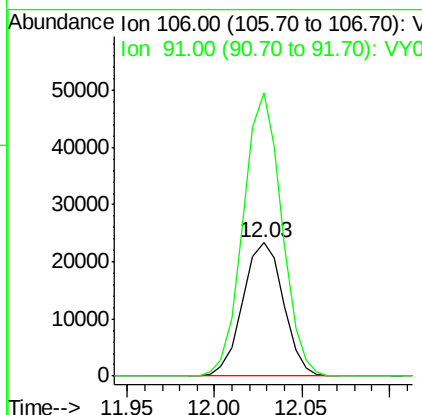
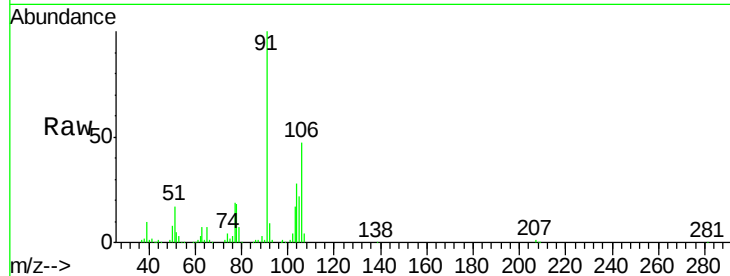
#69
o-Xylene
Concen: 5.532 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:106 Resp: 37850
Ion Ratio Lower Upper
106 100
91 201.5 107.9 323.8

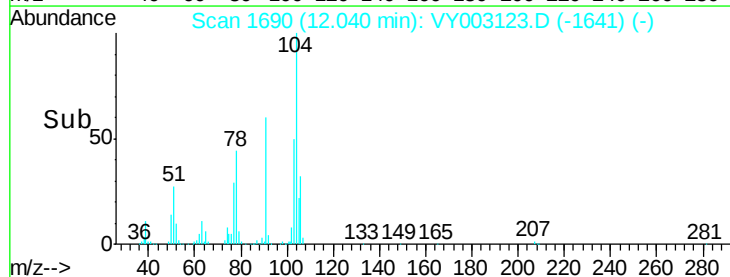
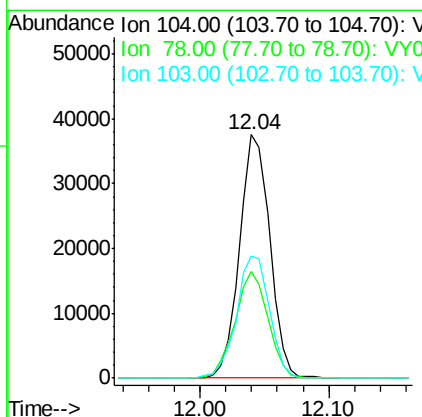
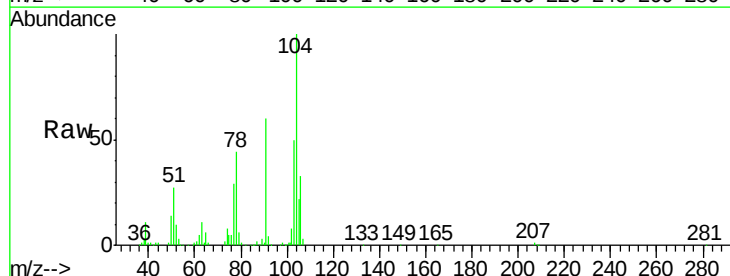
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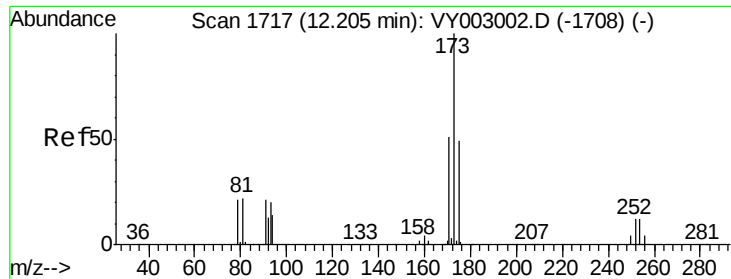
MMDadoda
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#70
Styrene
Concen: 5.224 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion:104 Resp: 61071
Ion Ratio Lower Upper
104 100
78 47.6 40.4 60.6
103 54.6 44.1 66.1





#71

Bromoform

Concen: 5.290 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:173 Resp: 14686

Ion Ratio Lower Upper

173 100

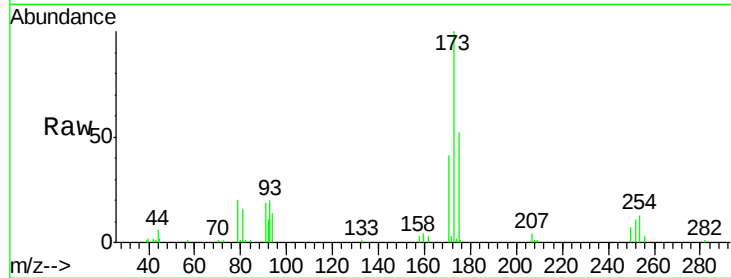
175 50.4 24.6 73.6

254 0.0 0.2 0.2#

Manual Integrations
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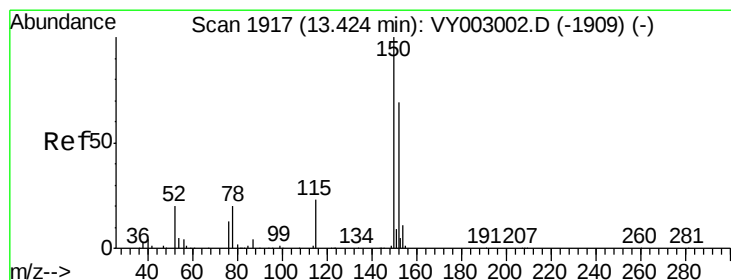
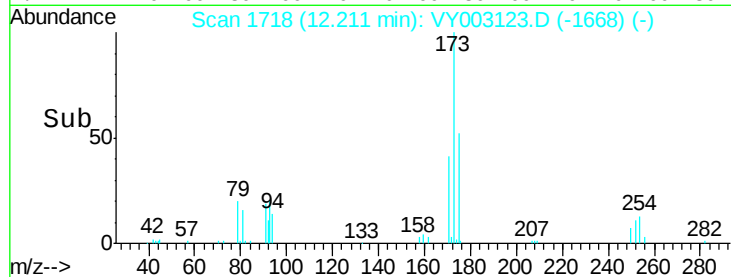
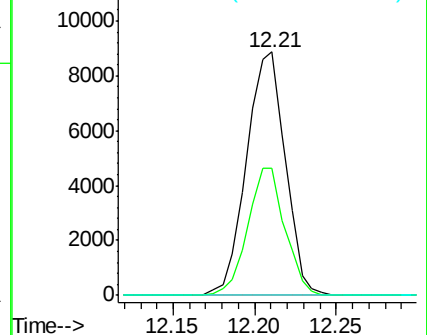
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VY003123.D

Acq: 07 Jul 2020 13:51

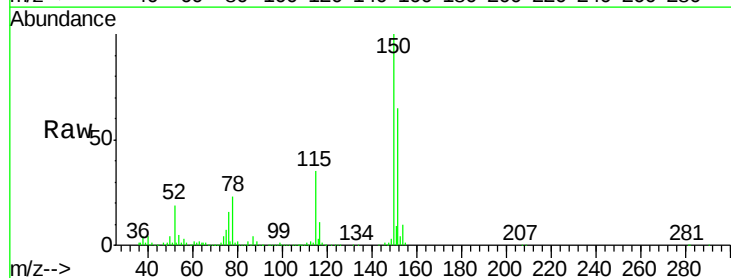
Tgt Ion:152 Resp: 293297

Ion Ratio Lower Upper

152 100

115 53.9 27.3 81.9

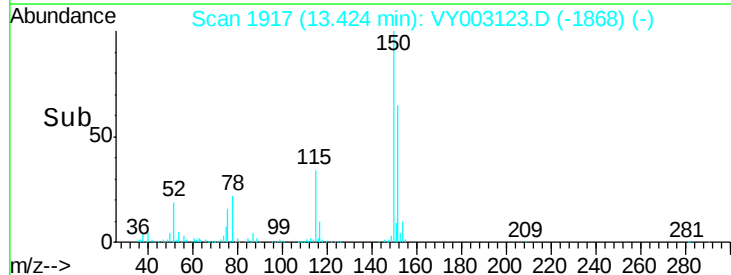
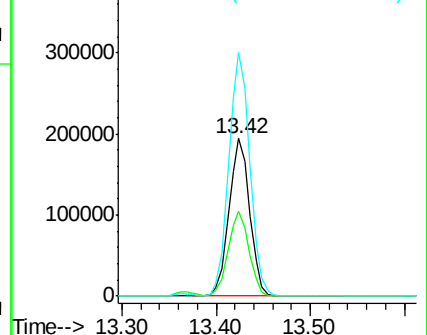
150 157.2 0.0 343.4

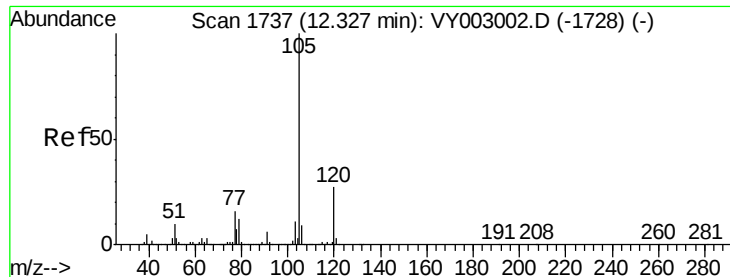


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.172 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 105 Resp: 99268

Ion Ratio Lower Upper

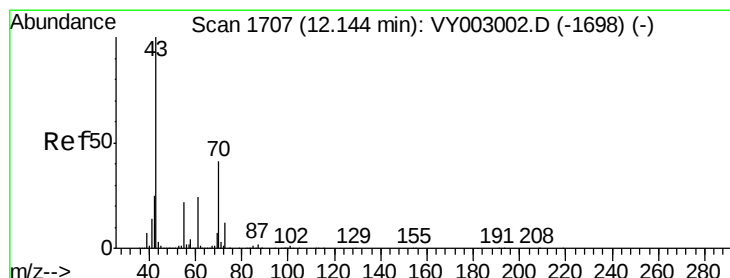
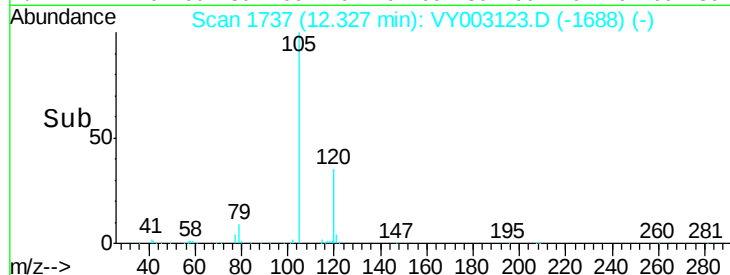
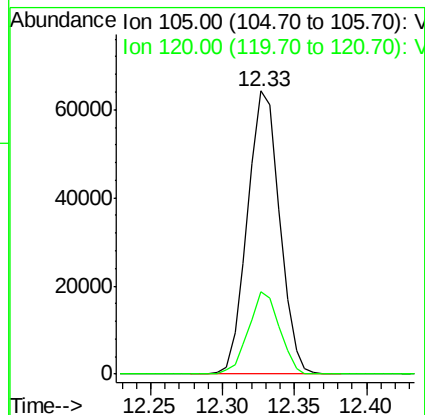
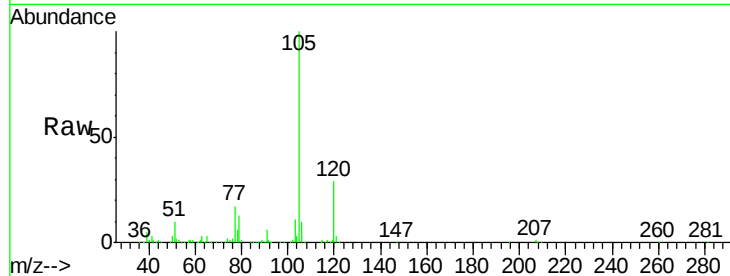
105 100

120 28.2 13.4 40.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 4.495 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Tgt Ion: 43 Resp: 28086

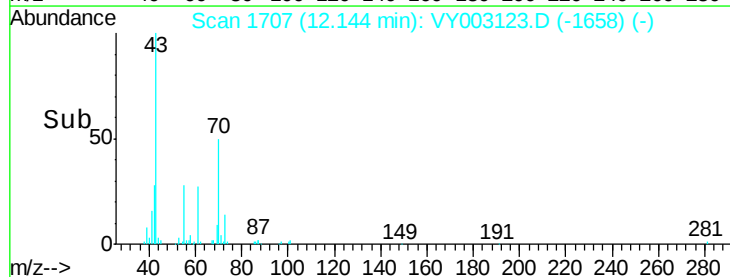
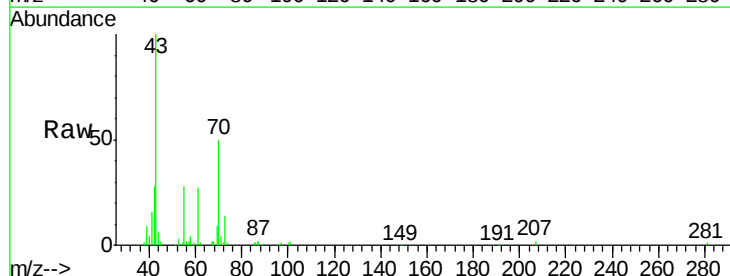
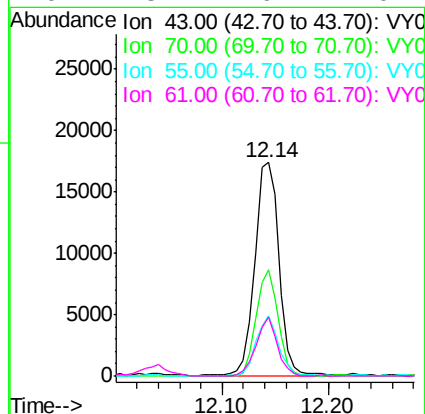
Ion Ratio Lower Upper

43 100

70 44.6 33.0 49.4

55 26.0 18.2 27.2

61 23.7 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.997 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

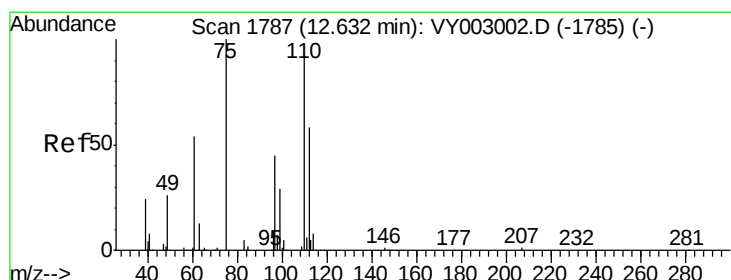
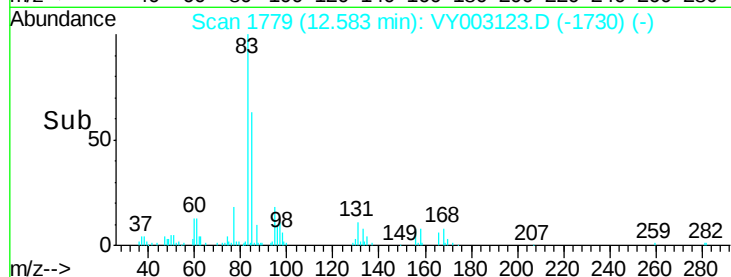
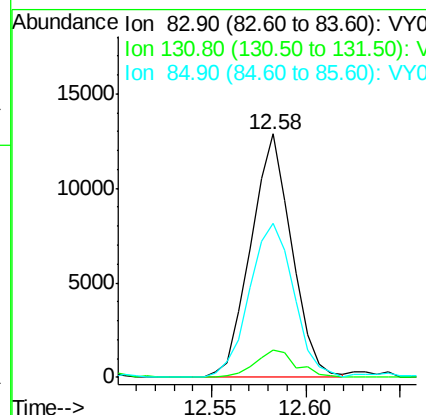
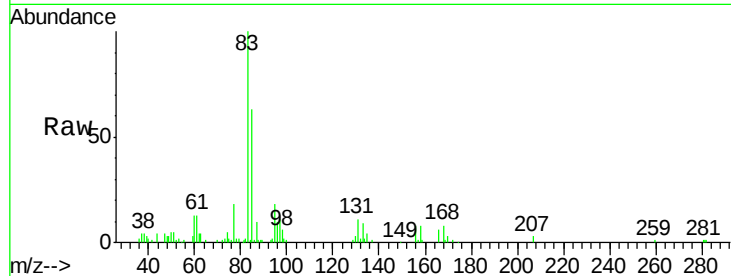
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	83	Resp:	19355
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.3	16.1
85	68.4	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 5.212 ug/l m

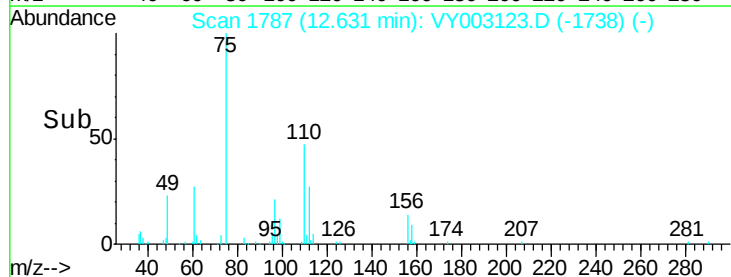
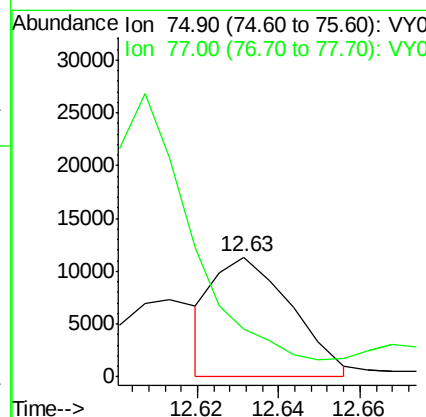
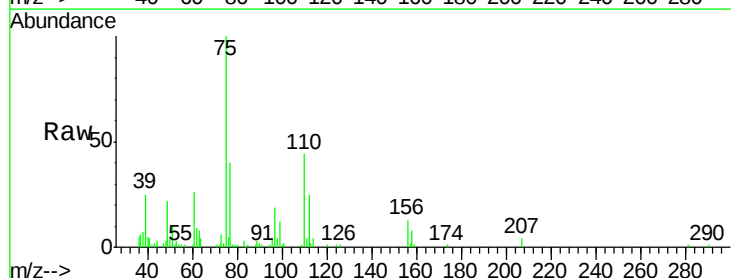
RT: 12.63 min Scan# 1787

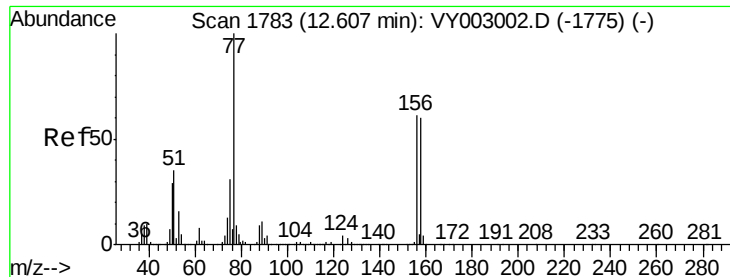
Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Tgt Ion:	75	Resp:	15130
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.362 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

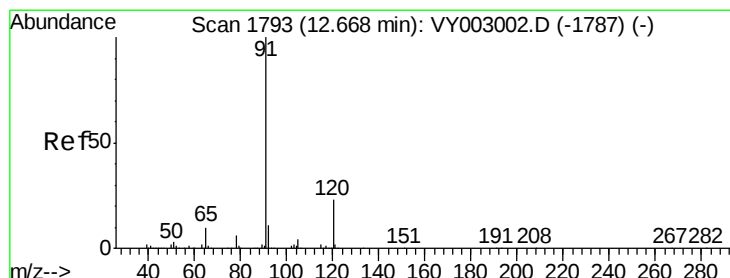
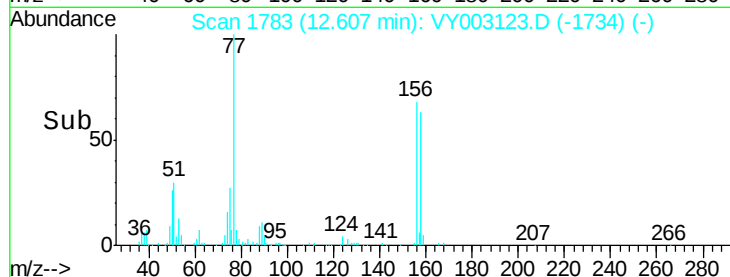
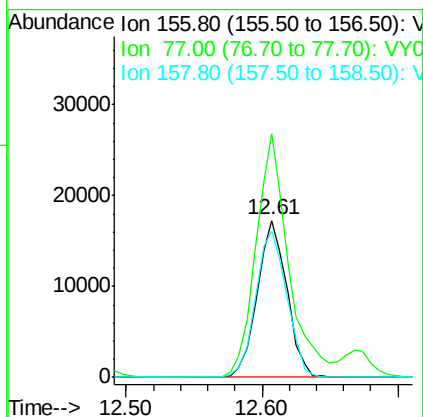
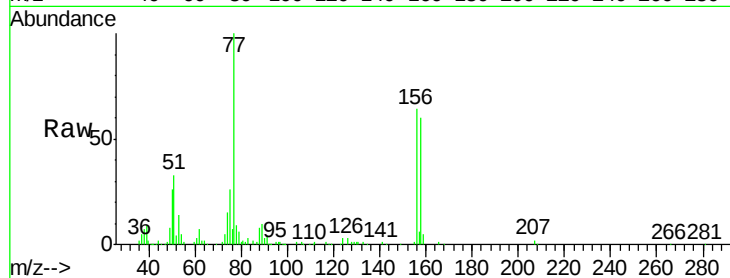
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	156	Resp:	26391
Ion	Ratio	Lower	Upper
156	100		
77	170.7	90.0	270.0
158	98.1	48.5	145.5

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#78

n-propylbenzene

Concen: 5.239 ug/l

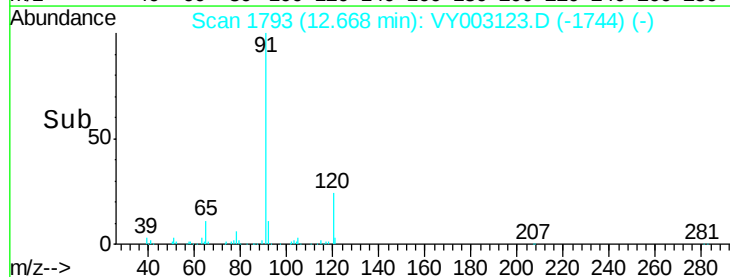
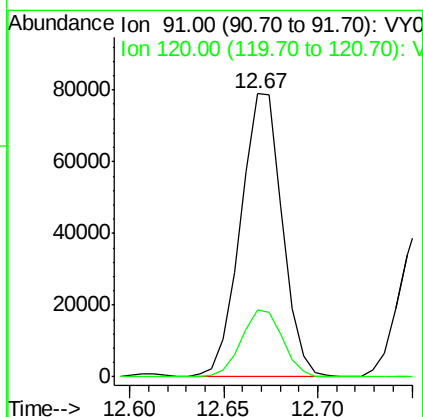
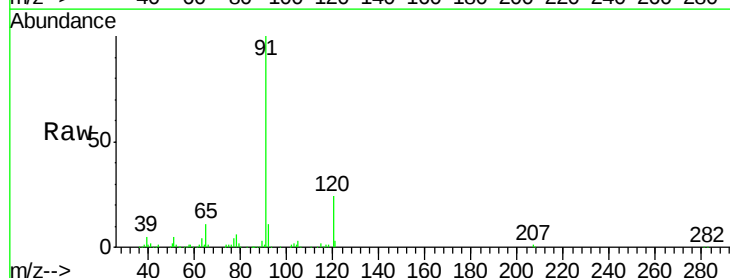
RT: 12.67 min Scan# 1793

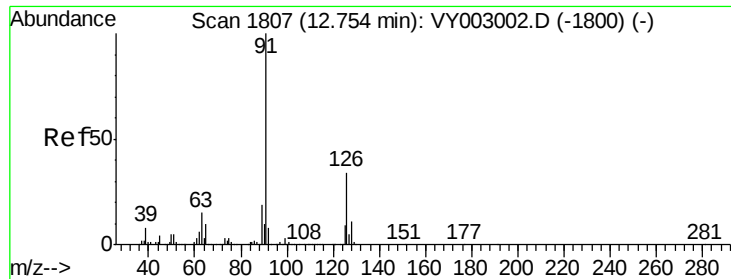
Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Tgt Ion:	91	Resp:	120951
Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5





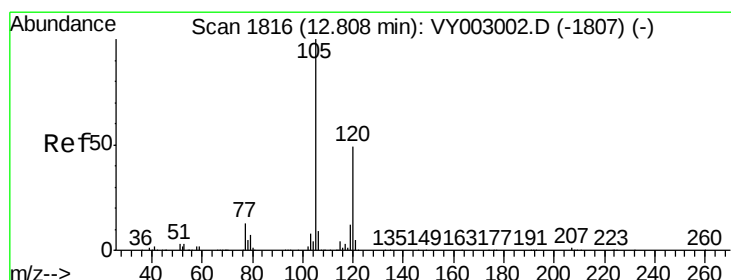
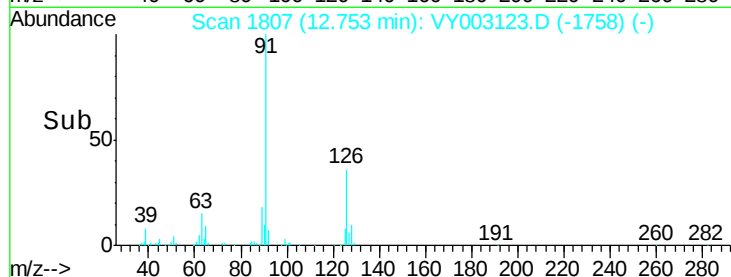
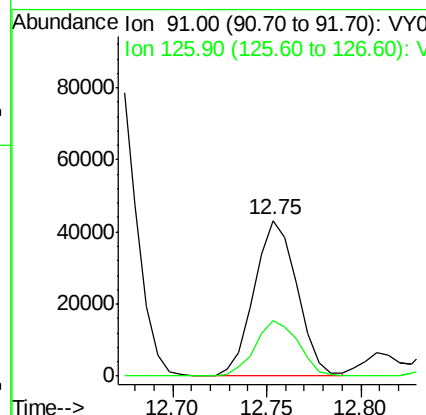
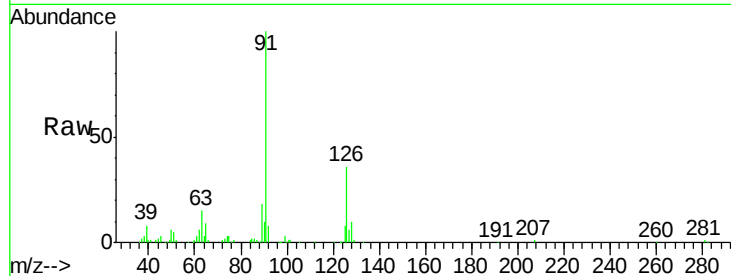
#79
 2-Chlorotoluene
 Concen: 5.279 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.1	51.3

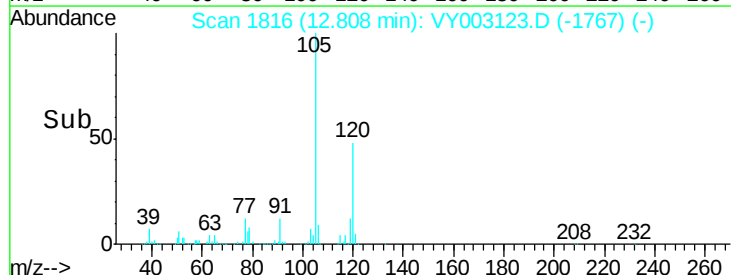
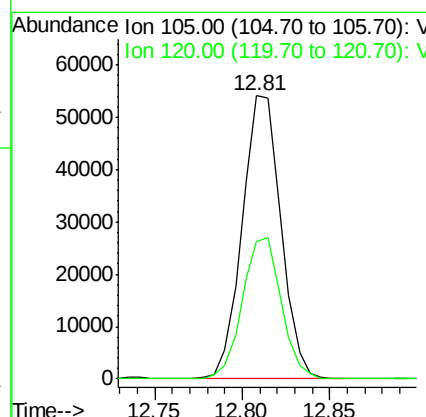
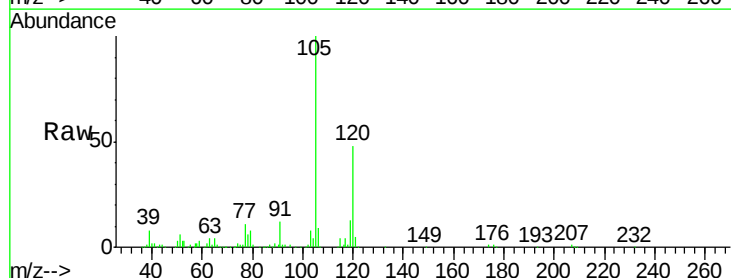
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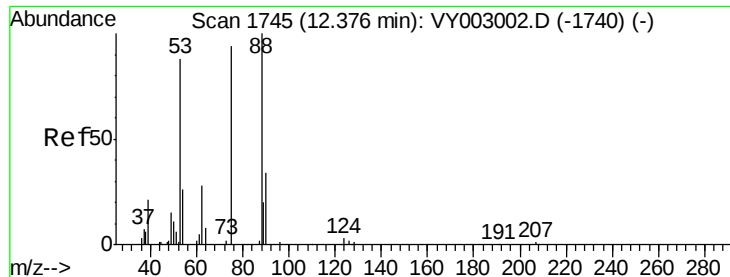
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#80
 1,3,5-Trimethylbenzene
 Concen: 5.134 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.4	24.6	73.6





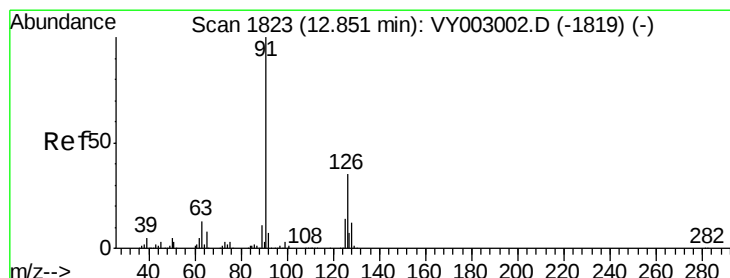
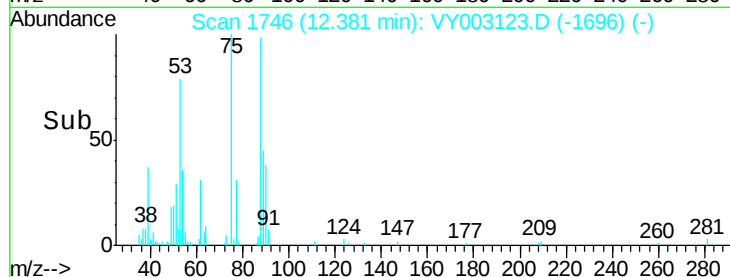
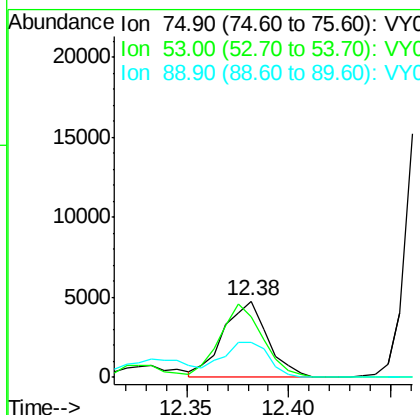
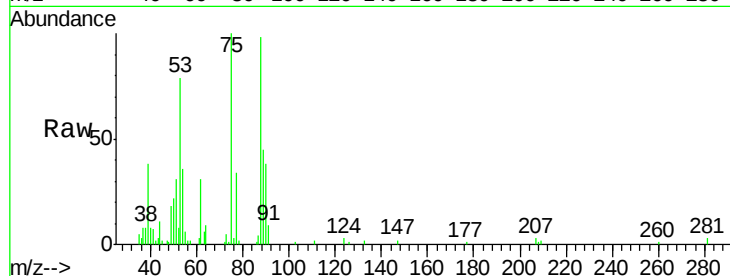
#81
trans-1,4-Dichloro-2-butene
Concen: 4.793 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.2	73.9	110.9
89	48.0	37.5	56.3

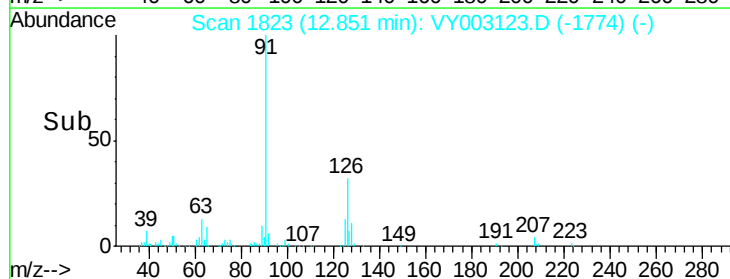
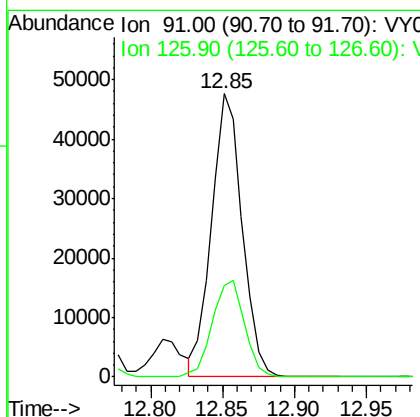
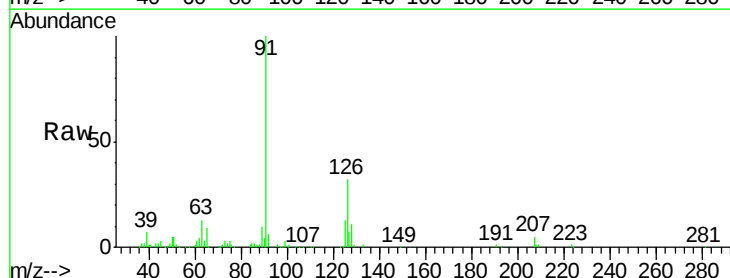
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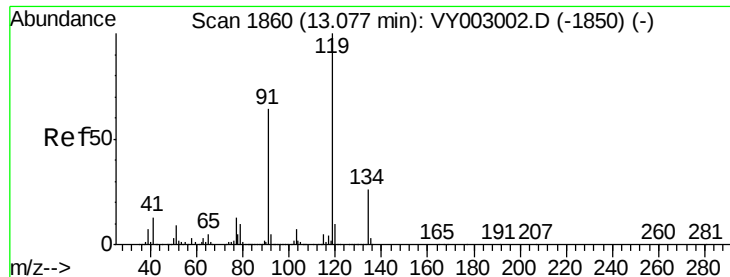
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#82
4-Chlorotoluene
Concen: 5.273 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.4	52.3





#83

tert-Butylbenzene

Concen: 5.194 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

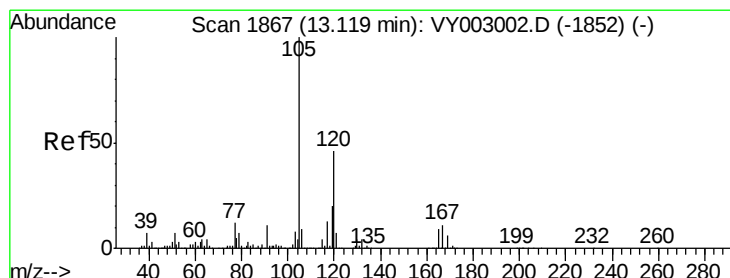
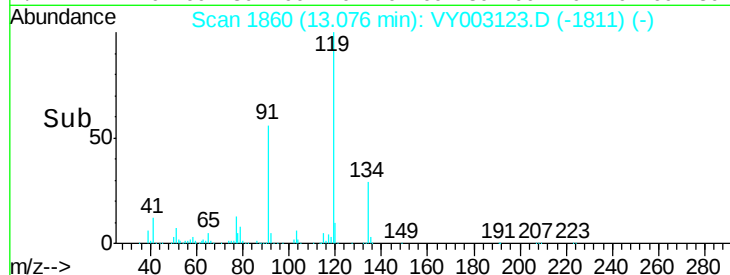
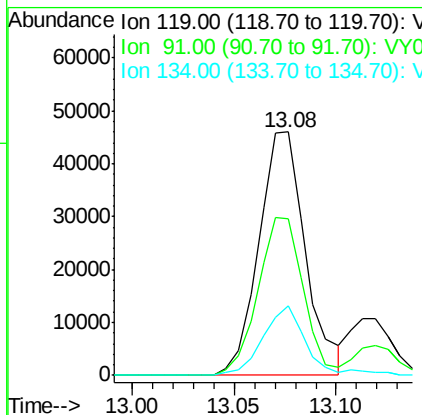
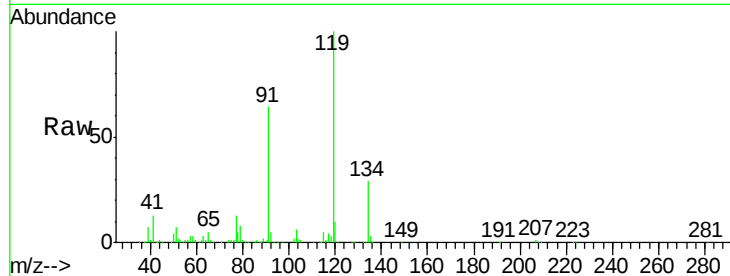
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	119	Resp:	73455
Ion Ratio	Lower	Upper	
119	100		
91	62.9	31.6	95.0
134	26.8	13.2	39.5

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#84

1,2,4-Trimethylbenzene

Concen: 5.183 ug/l

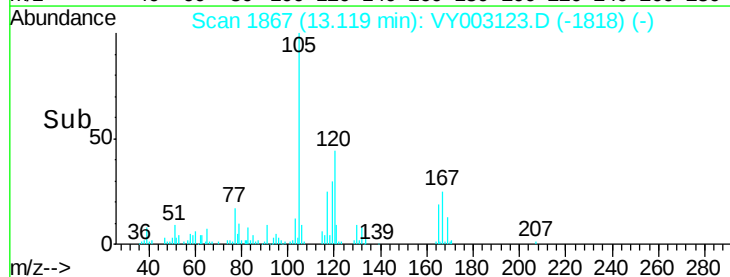
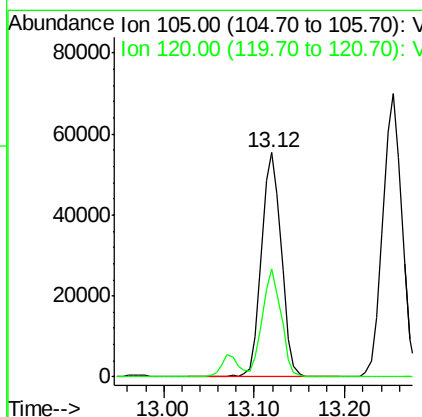
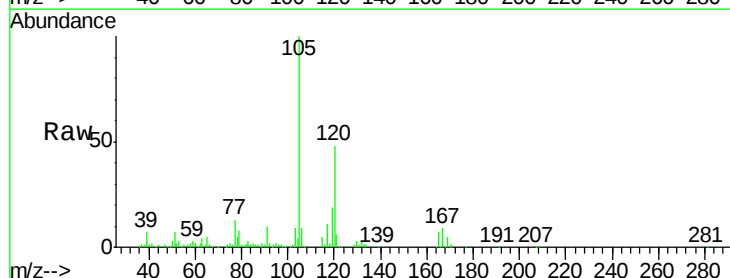
RT: 13.12 min Scan# 1867

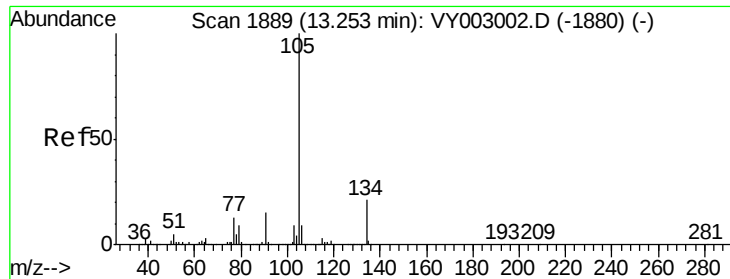
Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Tgt Ion:	105	Resp:	84120
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.6	67.8





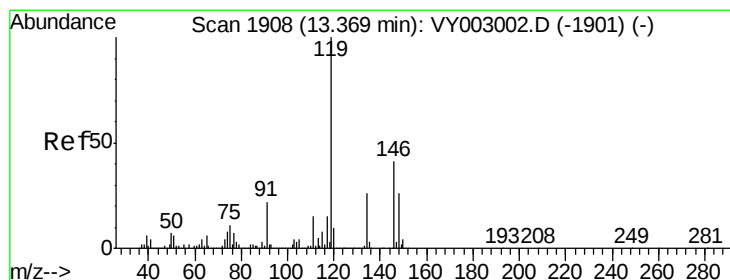
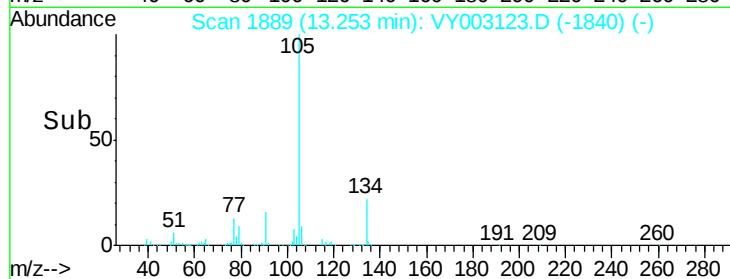
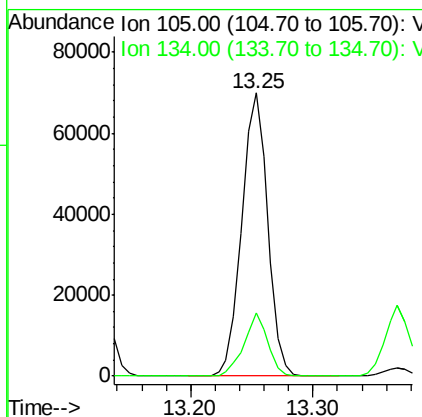
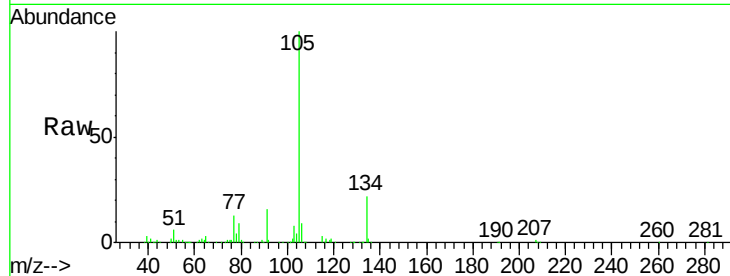
#85
 sec-Butylbenzene
 Concen: 5.258 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	102500		
134	20.6	10.4	31.2	

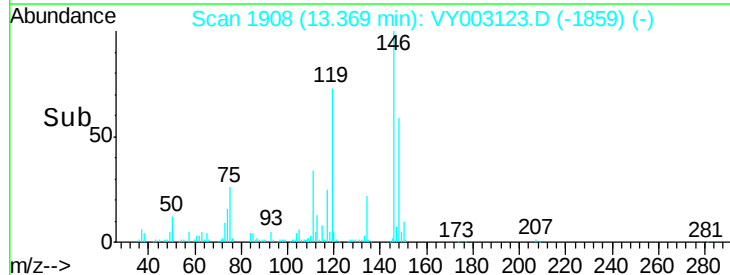
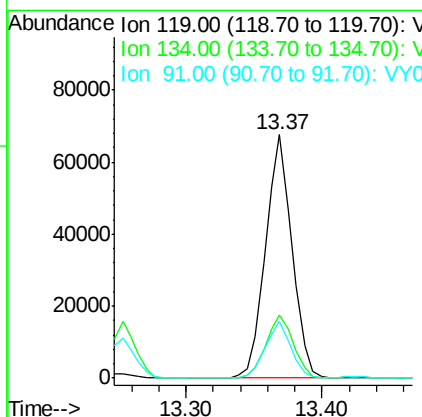
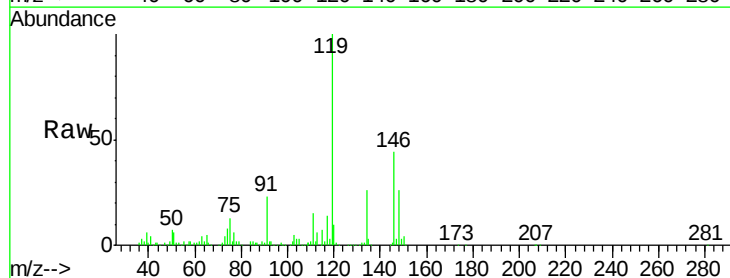
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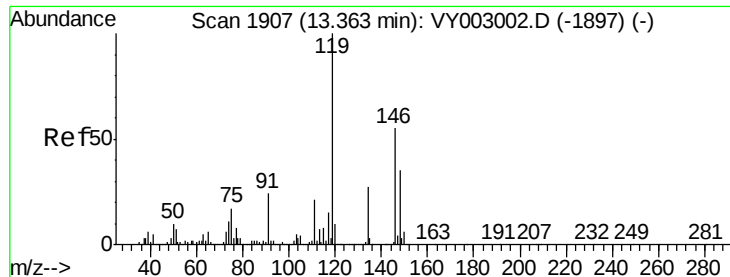
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#86
 p-Isopropyltoluene
 Concen: 5.109 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	92281		
134	26.8	13.5	40.4	
91	22.9	11.5	34.5	





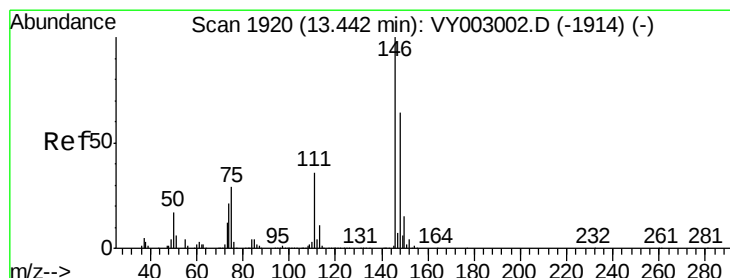
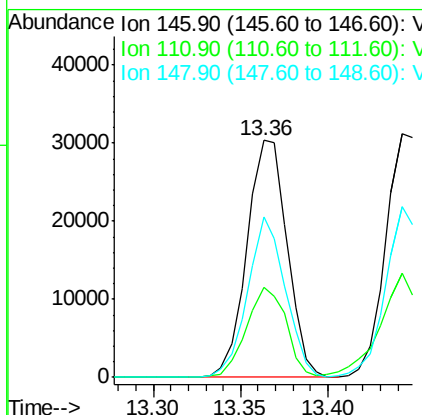
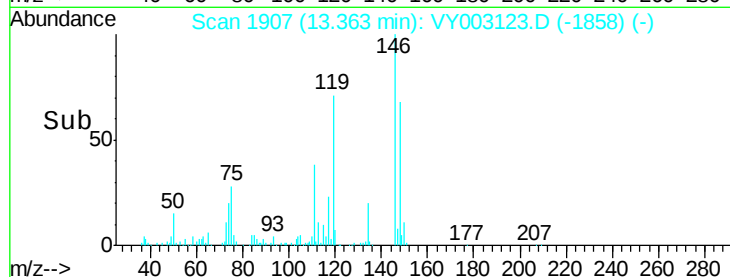
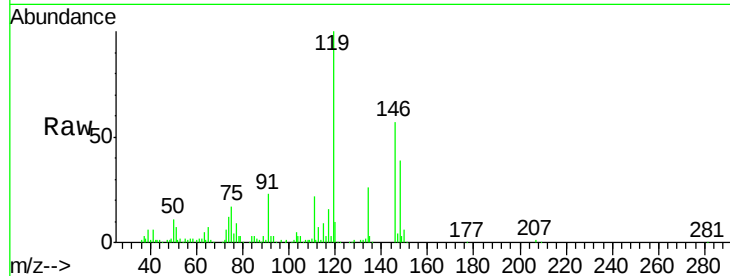
#87
 1,3-Dichlorobenzene
 Concen: 5.282 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.3
148	63.6	31.8	95.3

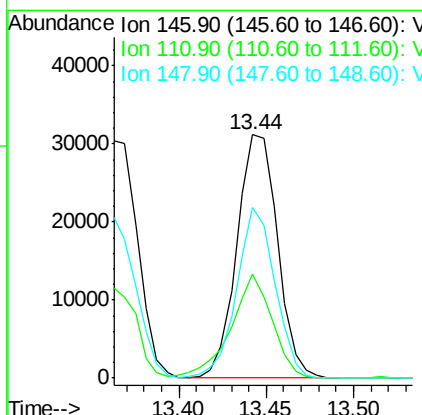
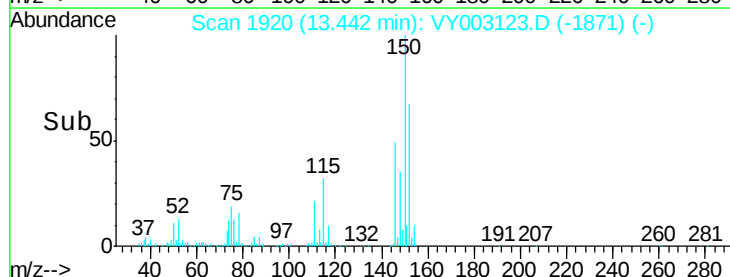
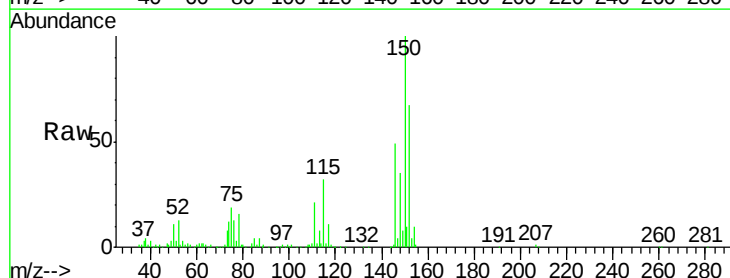
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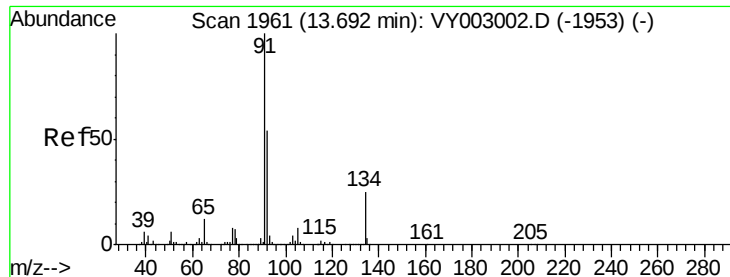
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#88
 1,4-Dichlorobenzene
 Concen: 5.564 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003123.D
 Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	18.4	55.4
148	66.5	32.3	96.9





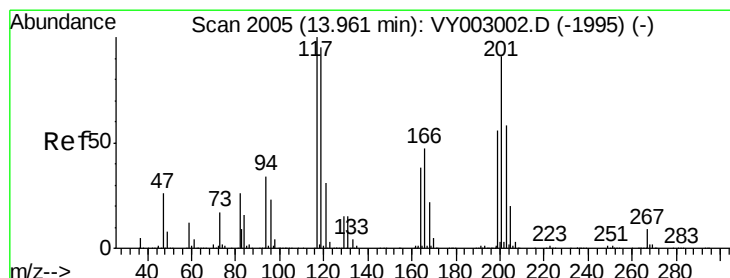
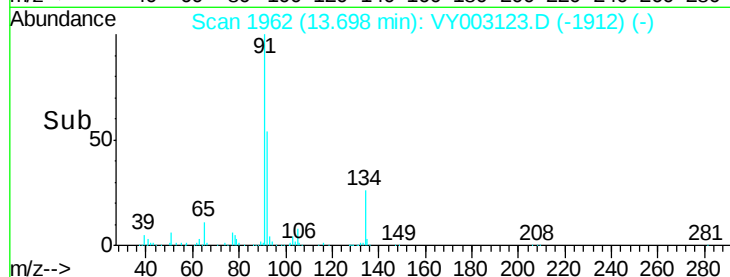
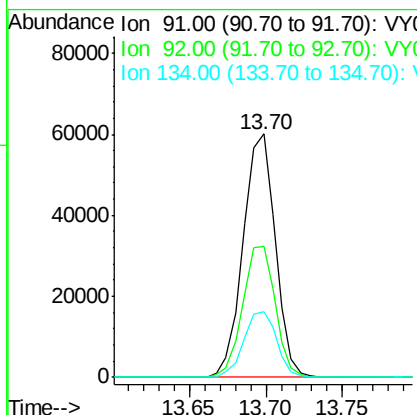
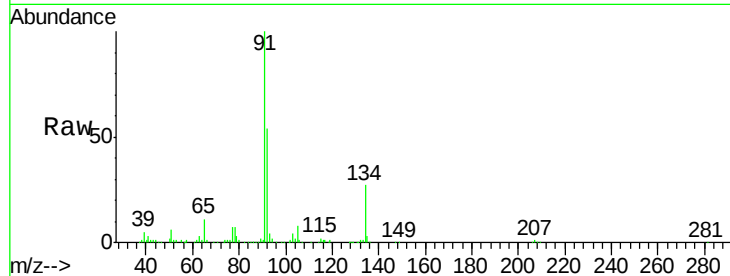
#89
n-Butylbenzene
Concen: 5.078 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.8	80.3
134	27.6	13.1	39.1

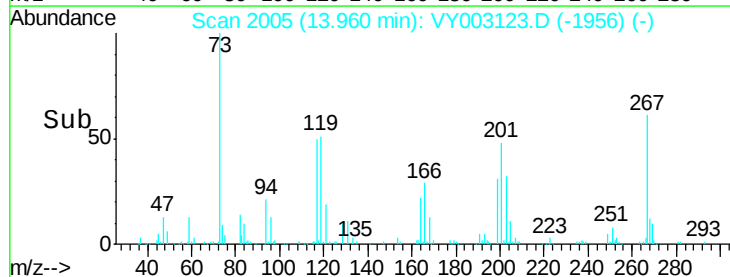
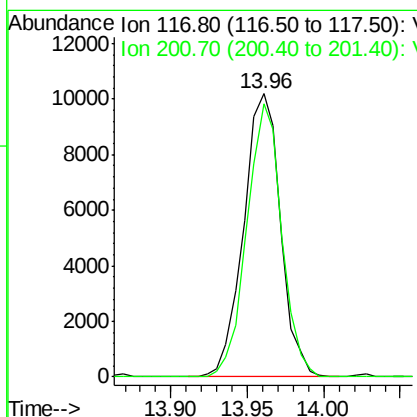
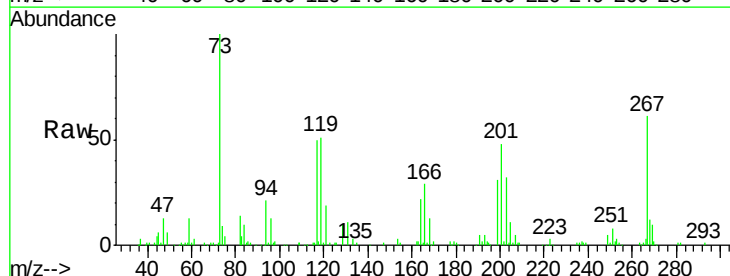
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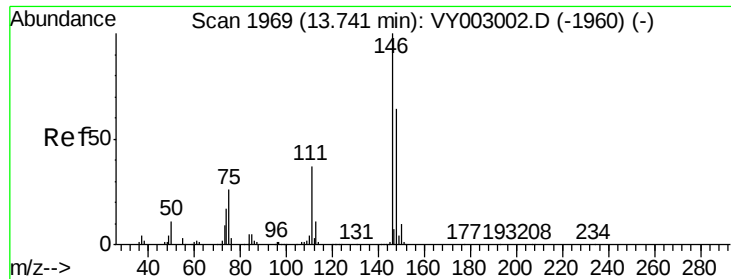
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#90
Hexachloroethane
Concen: 4.761 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.0	45.5	136.4





#91

1,2-Dichlorobenzene

Concen: 5.593 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

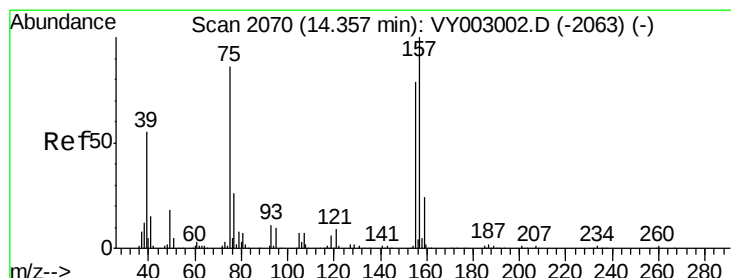
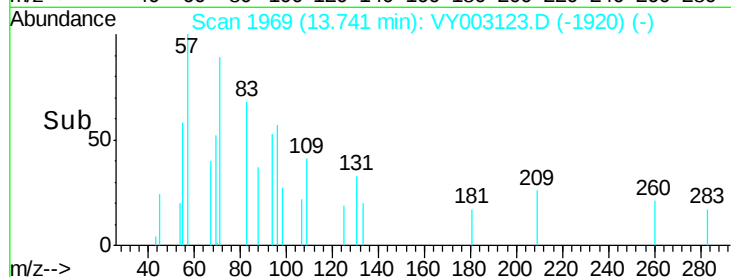
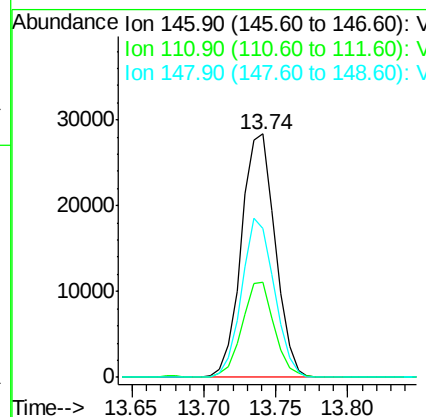
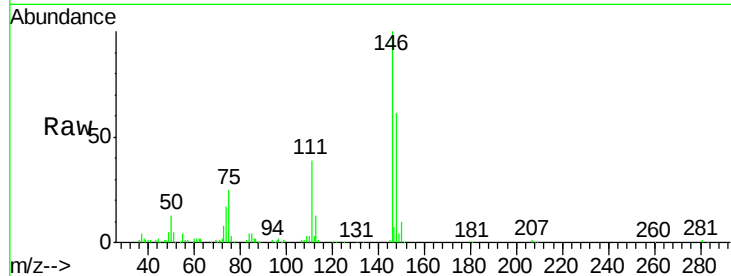
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	146	Resp:	46105
Ion Ratio	Lower	Upper	
146	100		
111	37.4	19.1	57.5
148	63.1	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 5.477 ug/l

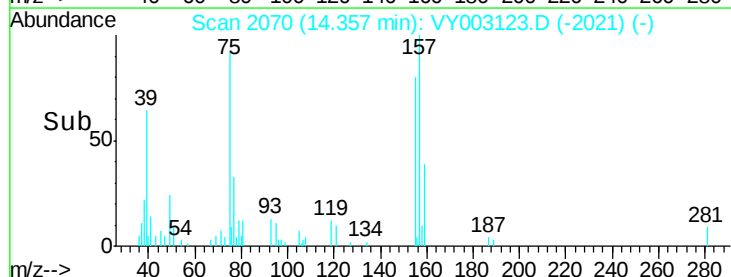
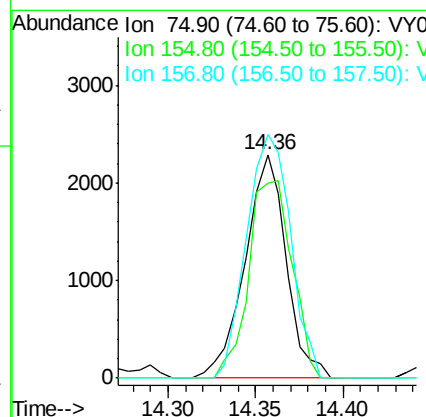
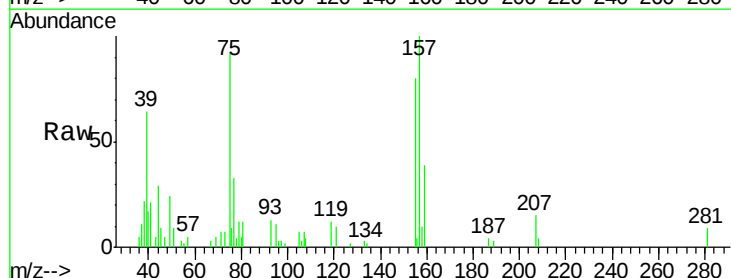
RT: 14.36 min Scan# 2070

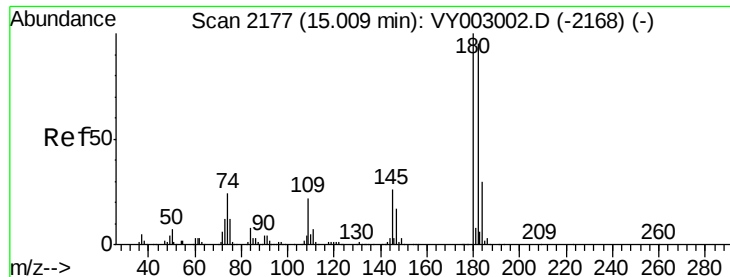
Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Tgt Ion:	75	Resp:	3756
Ion Ratio	Lower	Upper	
75	100		
155	93.3	46.5	139.3
157	116.5	59.2	177.5





#93

1,2,4-Trichlorobenzene

Concen: 5.460 ug/l

RT: 15.01 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Instrument :

MSVOA_Y

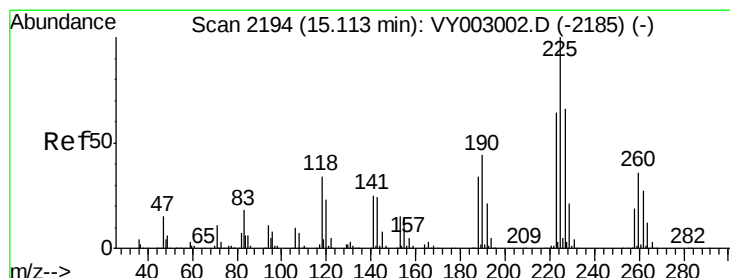
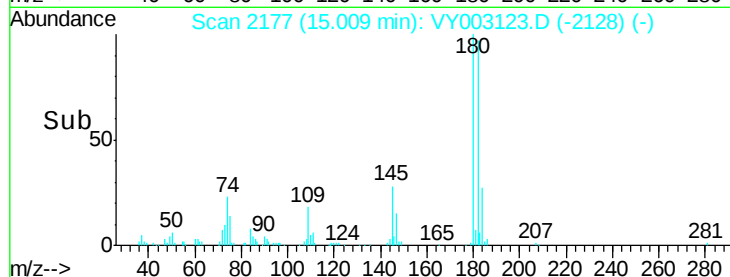
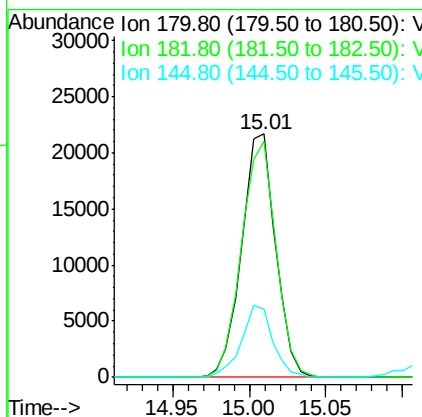
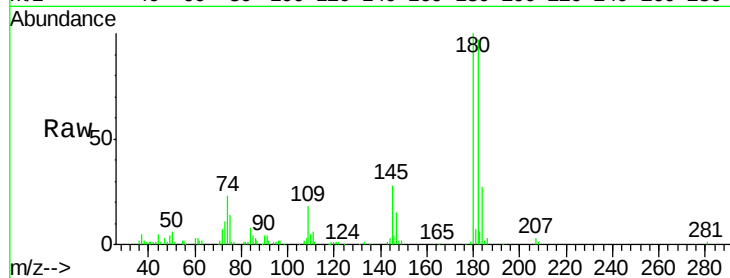
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	180	Resp:	33450
Ion Ratio	Lower	Upper	
180	100		
182	98.7	48.1	144.3
145	27.7	13.9	41.6

Manual Integrations
APPROVED

MMDadoda
7/8/2020 12:20:44 PM



#94

Hexachlorobutadiene

Concen: 5.721 ug/l

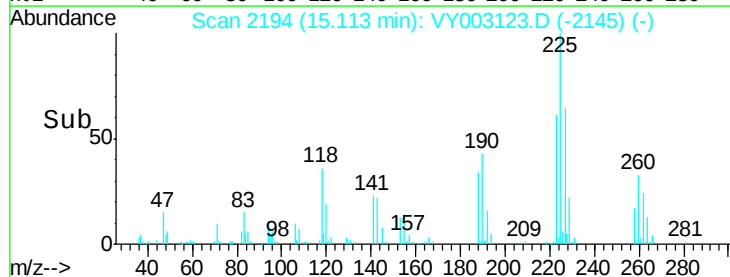
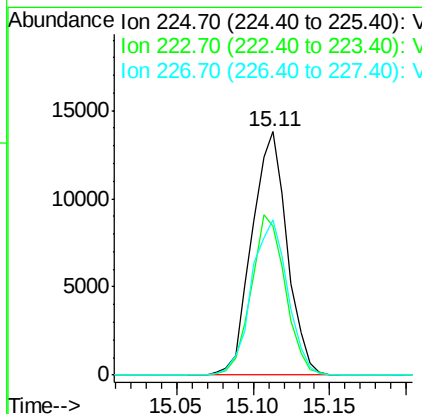
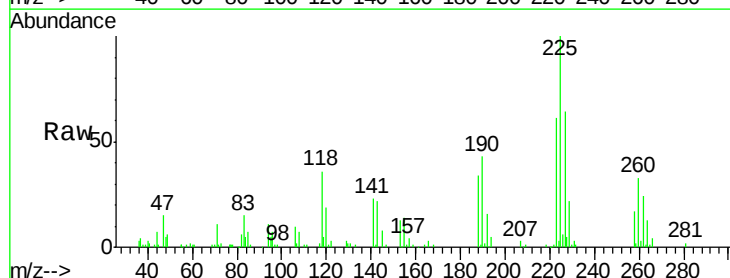
RT: 15.11 min Scan# 2194

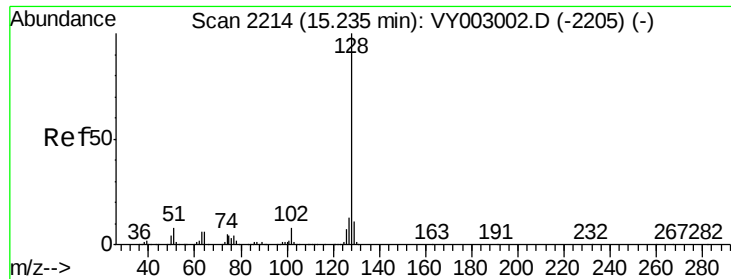
Delta R.T. -0.00 min

Lab File: VY003123.D

Acq: 07 Jul 2020 13:51

Tgt Ion:	225	Resp:	22104
Ion Ratio	Lower	Upper	
225	100		
223	63.7	32.4	97.0
227	65.3	32.4	97.2





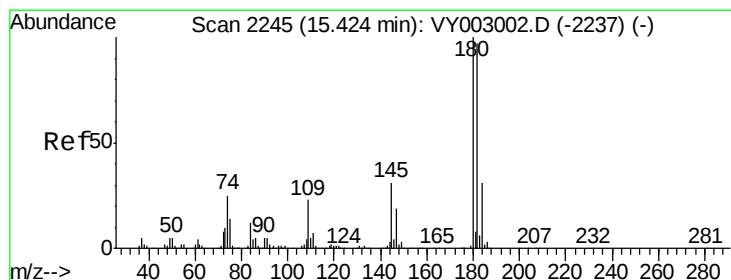
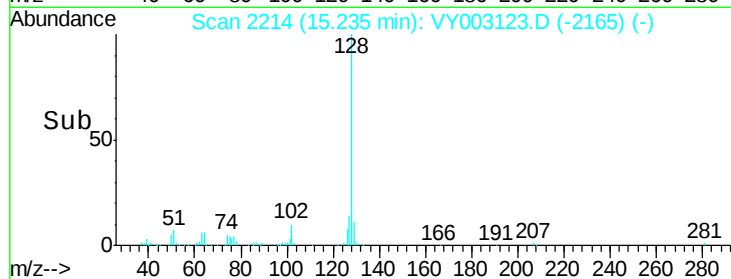
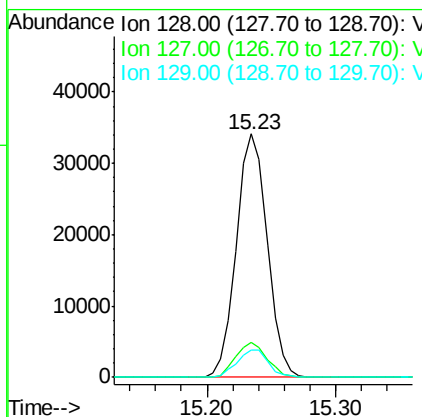
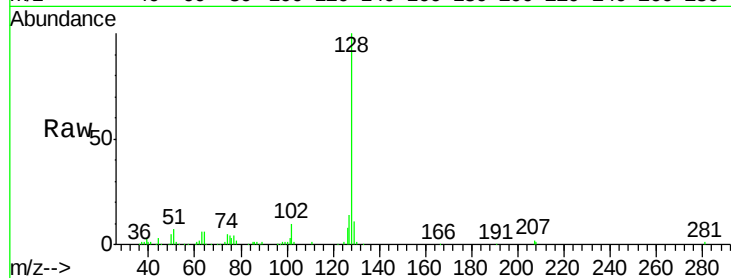
#95
Naphthalene
Concen: 5.067 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.8	16.2
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/8/2020 12:20:44 PM



#96
1,2,3-Trichlorobenzene
Concen: 5.467 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003123.D
Acq: 07 Jul 2020 13:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.8	143.3
145	28.6	14.7	44.1

