

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050620\
 Data File : VY002608.D
 Acq On : 06 May 2020 12:25
 Operator : SY/MD
 Sample : L2182-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:35:30 AM

Quant Time: May 06 13:04:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 12:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	365894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	546820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	487050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	255591	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	155430	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	7.74	113	165915	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
50) Toluene-d8	10.19	98	656725	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
62) 4-Bromofluorobenzene	12.49	95	220689	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	14403	5.183	ug/l	96
3) Chloromethane	2.13	50	17186	5.797	ug/l	97
4) Vinyl Chloride	2.26	62	19295	5.637	ug/l	97
5) Bromomethane	2.66	94	14177	6.006	ug/l	99
6) Chloroethane	2.81	64	11561	5.656	ug/l	98
7) Trichlorofluoromethane	3.14	101	28924	5.452	ug/l	100
8) Diethyl Ether	3.55	74	9874	5.539	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	18165	5.602	ug/l	99
10) Methyl Iodide	4.11	142	22178	5.021	ug/l	98
11) Tert butyl alcohol	4.98	59	8068	25.490	ug/l #	85
12) 1,1-Dichloroethene	3.90	96	17768	5.641	ug/l	94
13) Acrolein	3.75	56	4362	19.929	ug/l	98
14) Allyl chloride	4.51	41	25793	5.620	ug/l	99
15) Acrylonitrile	5.20	53	22263	26.481	ug/l	98
16) Acetone	3.97	43	16182	25.487	ug/l	94
17) Carbon Disulfide	4.22	76	52962	5.589	ug/l	99
18) Methyl Acetate	4.51	43	13503	6.365	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	43606	5.306	ug/l	97
20) Methylene Chloride	4.74	84	20981	5.909	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	19915	5.785	ug/l	97
22) Diisopropyl ether	6.15	45	53716	5.785	ug/l	98
23) Vinyl Acetate	6.09	43	146908	25.156	ug/l	99
24) 1,1-Dichloroethane	6.05	63	31402	5.716	ug/l	99
25) 2-Butanone	7.02	43	27105	26.079	ug/l	94
26) 2,2-Dichloropropane	7.00	77	29363	5.623	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	21668	5.688	ug/l	99
28) Bromochloromethane	7.36	49	11936	5.303	ug/l	99
29) Tetrahydrofuran	7.37	42	18255	26.547	ug/l	99
30) Chloroform	7.53	83	32272	5.650	ug/l	93
31) Cyclohexane	7.81	56	34674	6.271	ug/l #	85
32) 1,1,1-Trichloroethane	7.72	97	29283	5.516	ug/l	99
36) 1,1-Dichloropropene	7.94	75	26522	5.786	ug/l	99
37) Ethyl Acetate	7.10	43	12688	5.386	ug/l	99
38) Carbon Tetrachloride	7.92	117	26767	5.348	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	33158	5.476	ug/l	97
40) Benzene	8.18	78	75600	5.710	ug/l	99
41) Methacrylonitrile	7.35	41	7355m	5.807	ug/l	
42) 1,2-Dichloroethane	8.25	62	19445	5.236	ug/l	97
43) Isopropyl Acetate	8.29	43	22476	5.090	ug/l	98
44) Trichloroethene	8.96	130	24147	5.836	ug/l	97
45) 1,2-Dichloropropane	9.23	63	17986	5.629	ug/l	99
46) Dibromomethane	9.32	93	9791	5.326	ug/l	99
47) Bromodichloromethane	9.51	83	24293	5.434	ug/l	95
48) Methyl methacrylate	9.31	41	10170	5.089	ug/l	96
49) 1,4-Dioxane	9.31	88	2498	102.621	ug/l #	85
51) 4-Methyl-2-Pentanone	10.08	43	58524	25.711	ug/l	99
52) Toluene	10.25	92	48950	5.753	ug/l	97
53) t-1,3-Dichloropropene	10.48	75	24215	5.170	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	29509	5.450	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	14784	5.514	ug/l	96
56) Ethyl methacrylate	10.52	69	18377	5.153	ug/l	99
57) 1,3-Dichloropropane	10.80	76	24761	5.446	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	48554	25.815	ug/l	99
59) 2-Hexanone	10.84	43	39288	25.077	ug/l	100
60) Dibromochloromethane	10.99	129	17785	5.216	ug/l	99
61) 1,2-Dibromoethane	11.10	107	13997	5.273	ug/l	99
64) Tetrachloroethene	10.73	164	26451	6.112	ug/l	94
65) Chlorobenzene	11.53	112	53157	5.741	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	18559	5.400	ug/l	96
67) Ethyl Benzene	11.60	91	93713	5.762	ug/l	97
68) m/p-Xylenes	11.71	106	72608	11.538	ug/l	99
69) o-Xylene	12.03	106	33872	5.749	ug/l	99
70) Styrene	12.05	104	55306	5.491	ug/l	100
71) Bromoform	12.22	173	11153	5.228	ug/l #	99
73) Isopropylbenzene	12.34	105	92014	5.555	ug/l	100
74) N-amyl acetate	12.15	43	20664	5.186	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	13233	5.023	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	12350m	5.437	ug/l	
77) Bromobenzene	12.62	156	22814	5.513	ug/l	99
78) n-propylbenzene	12.68	91	107575	5.596	ug/l	99
79) 2-Chlorotoluene	12.77	91	60014	5.636	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	74616	5.434	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	5765	5.089	ug/l	99
82) 4-Chlorotoluene	12.86	91	63077	5.639	ug/l	100
83) tert-Butylbenzene	13.08	119	68475	5.687	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	75191	5.495	ug/l	99
85) sec-Butylbenzene	13.26	105	94060	5.630	ug/l	100
86) p-Isopropyltoluene	13.38	119	87107	5.565	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	44124	5.633	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	44834	5.780	ug/l	97
89) n-Butylbenzene	13.70	91	81793	5.740	ug/l	99
90) Hexachloroethane	13.97	117	16056	5.632	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	38556	5.516	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.37	75	2528	5.148	ug/l	99

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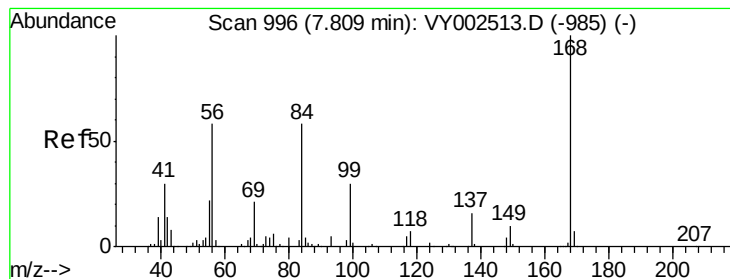
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	27888	5.496	ug/l	98
94) Hexachlorobutadiene	15.12	225	17443	5.727	ug/l	98
95) Naphthalene	15.25	128	49370	5.333	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	24918	5.785	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:168 Resp: 365894

Ion Ratio Lower Upper

168 100

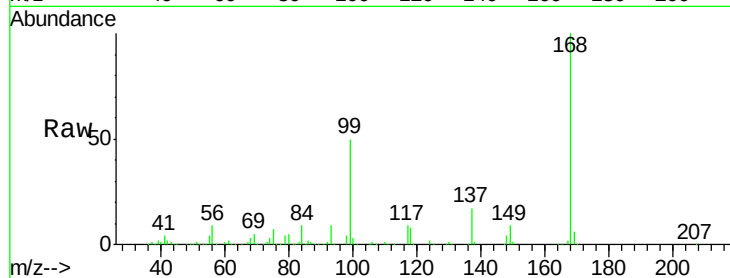
99 49.8 39.2 58.8

Manual Integrations

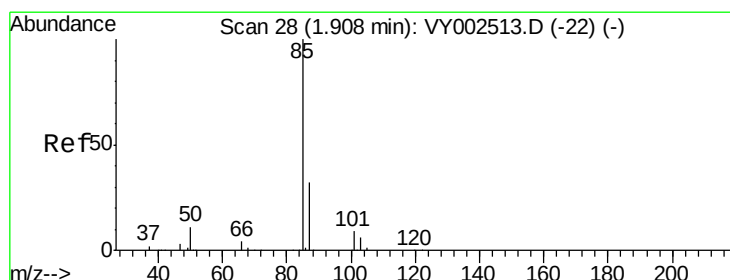
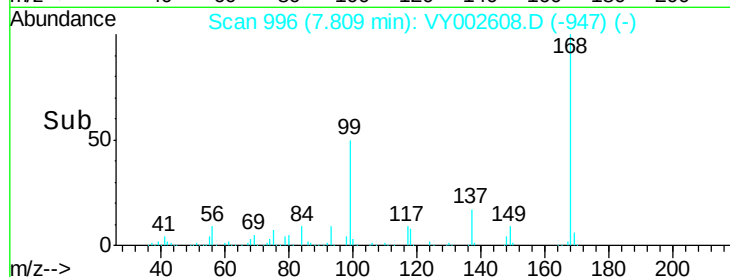
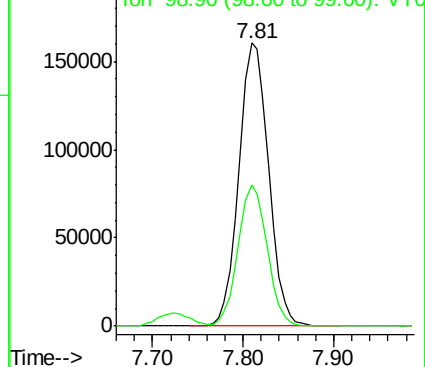
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5/7/2020 10:35:30 AM



Abundance Ion 167.90 (167.60 to 168.60): VY002608.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: 5.183 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002608.D

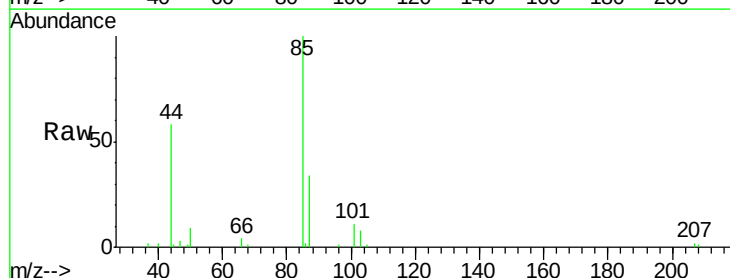
Acq: 06 May 2020 12:25

Tgt Ion: 85 Resp: 14403

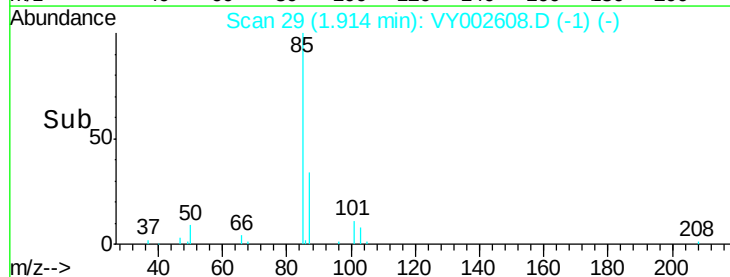
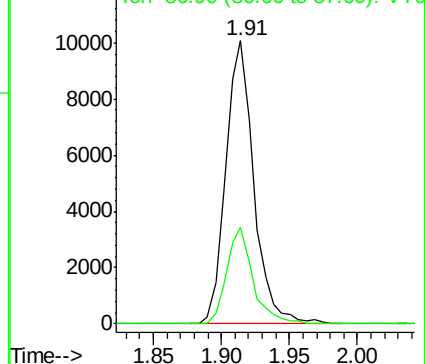
Ion Ratio Lower Upper

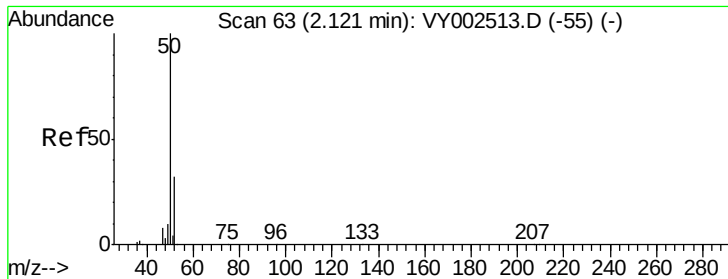
85 100

87 34.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002608.D (-1) (-)





#3

Chloromethane

Concen: 5.797 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion: 50 Resp: 17186

Ion Ratio Lower Upper

50 100

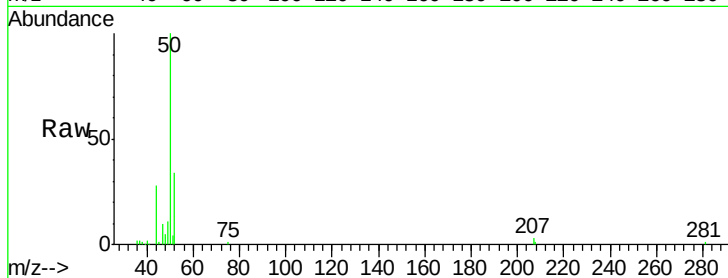
52 34.2 25.9 38.9

Manual Integrations

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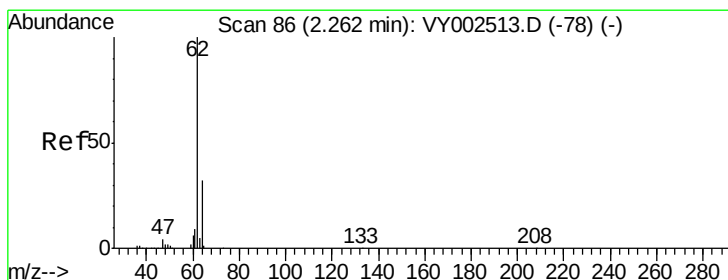
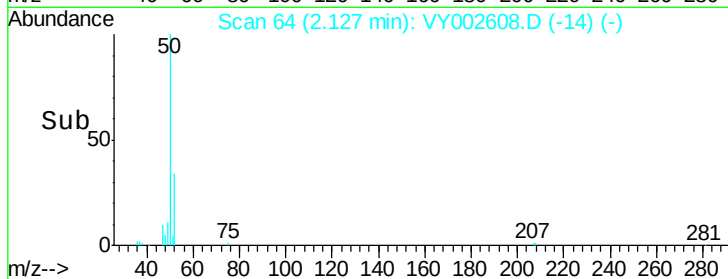
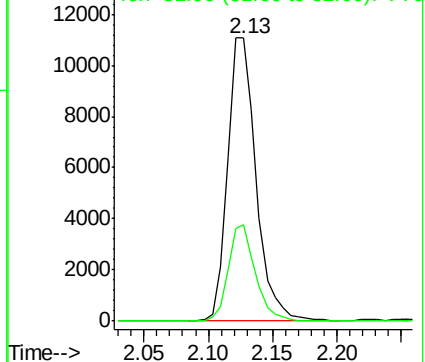
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 5.637 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002608.D

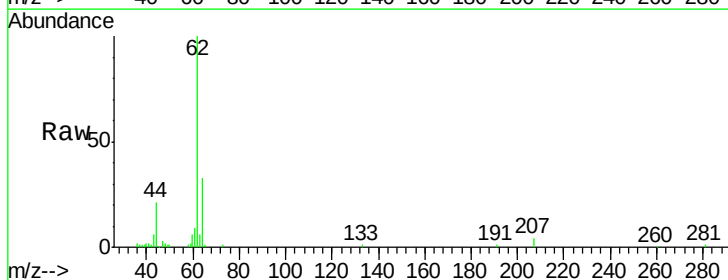
Acq: 06 May 2020 12:25

Tgt Ion: 62 Resp: 19295

Ion Ratio Lower Upper

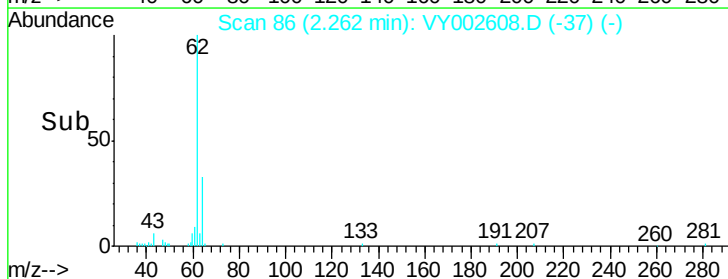
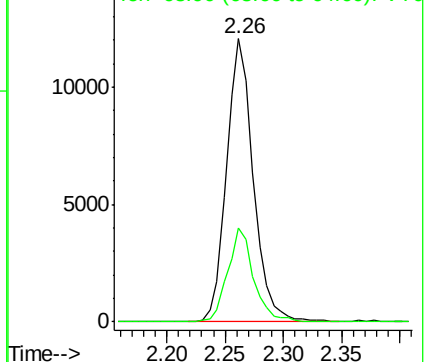
62 100

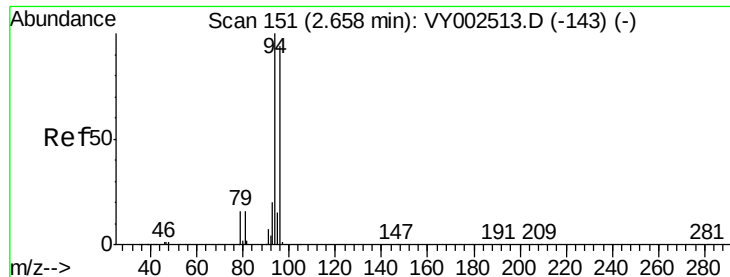
64 33.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 6.006 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion: 94 Resp: 14177

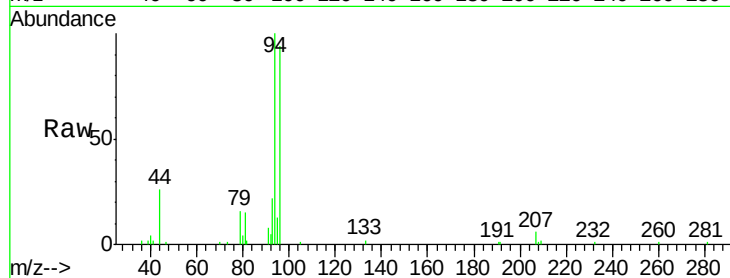
Ion Ratio Lower Upper

94 100

96 92.9 74.9 112.3

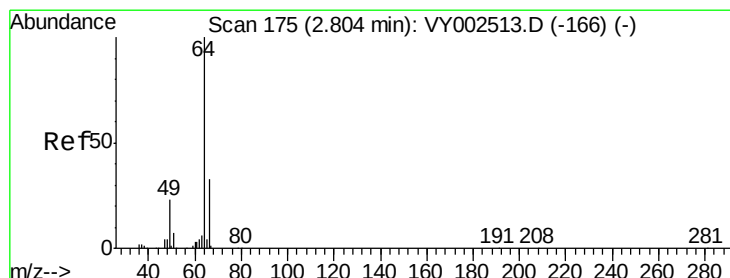
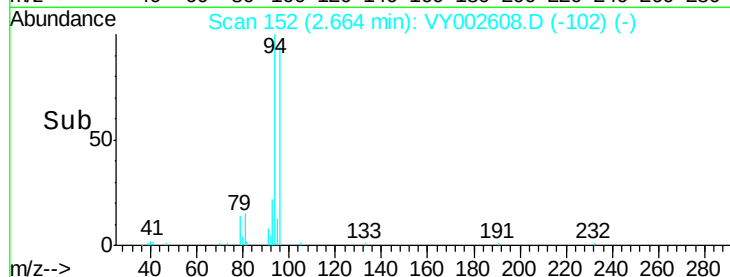
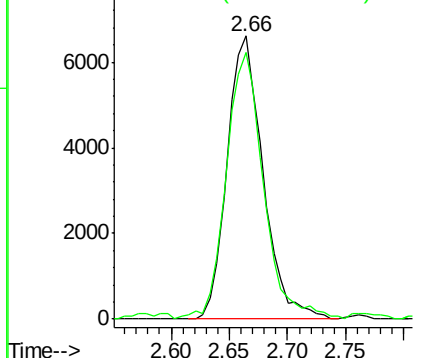
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 5.656 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002608.D

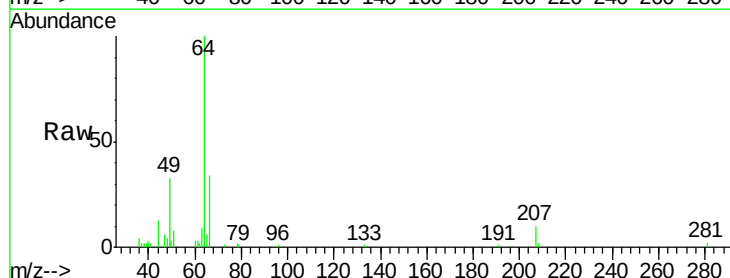
Acq: 06 May 2020 12:25

Tgt Ion: 64 Resp: 11561

Ion Ratio Lower Upper

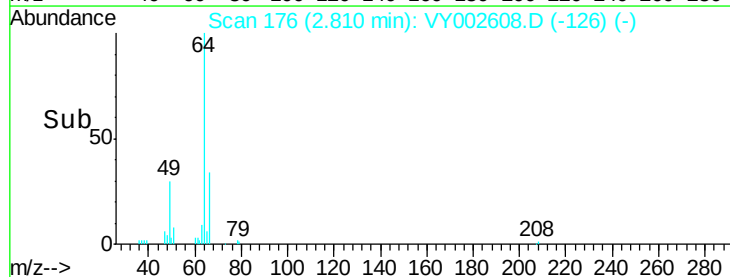
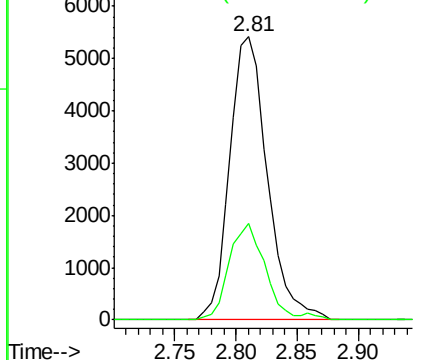
64 100

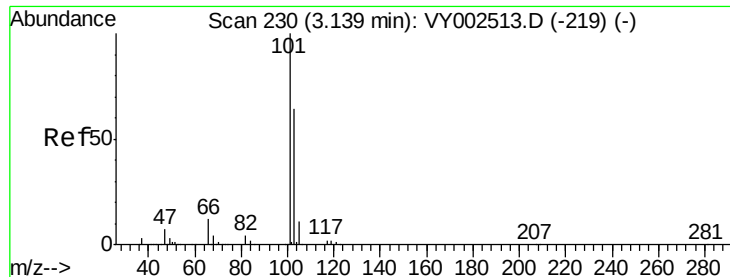
66 33.9 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

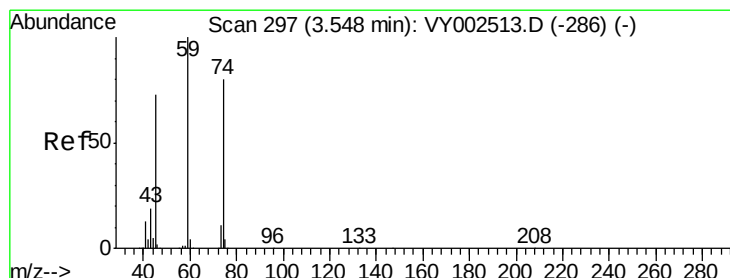
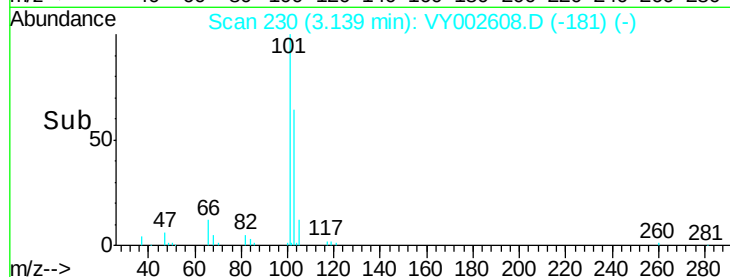
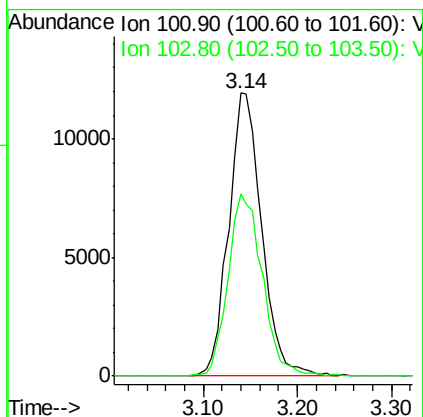
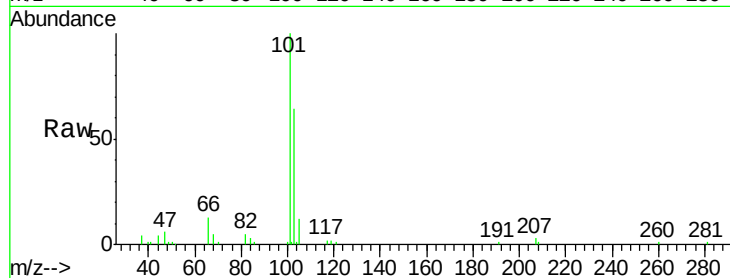
Trichlorofluoromethane
Concen: 5.452 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.0

Manual Integrations
APPROVED

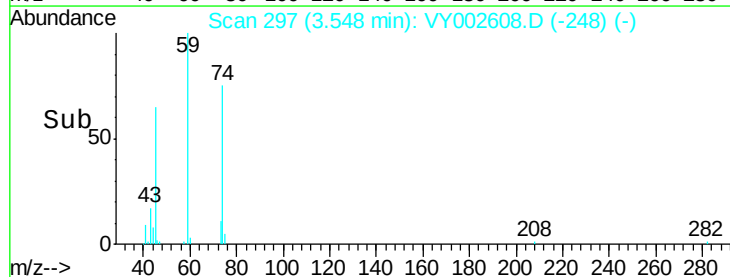
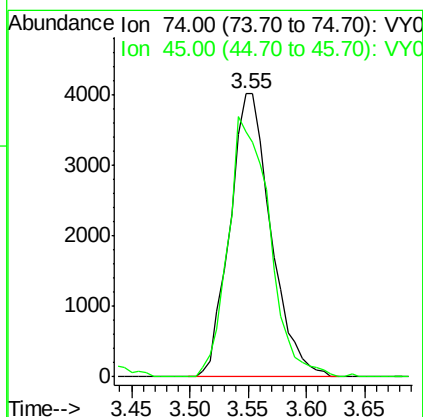
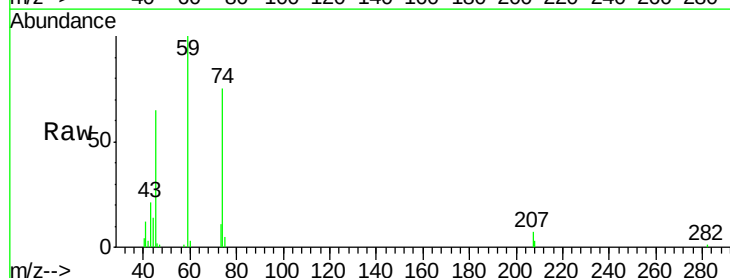
MMDadoda
5/7/2020 10:35:30 AM

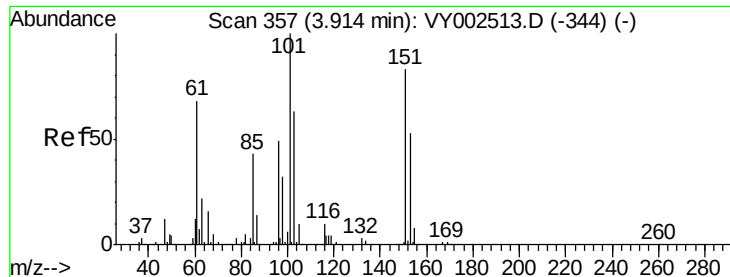


#8

Diethyl Ether
Concen: 5.539 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.3	46.2	138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.602 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

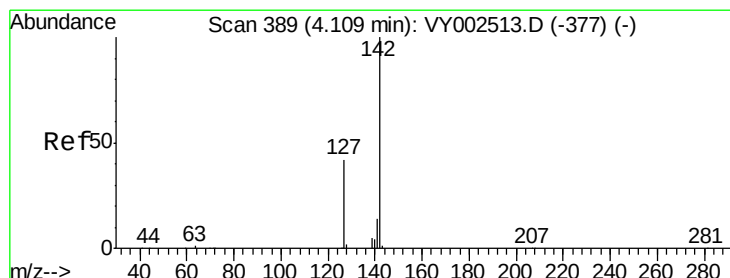
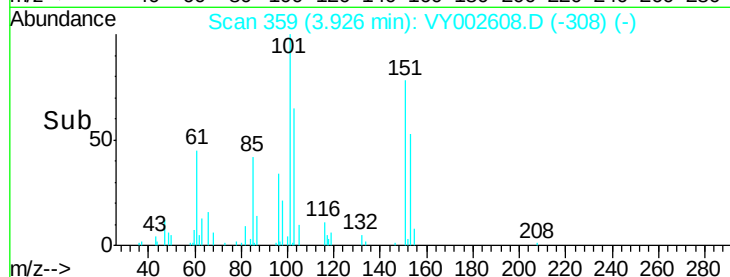
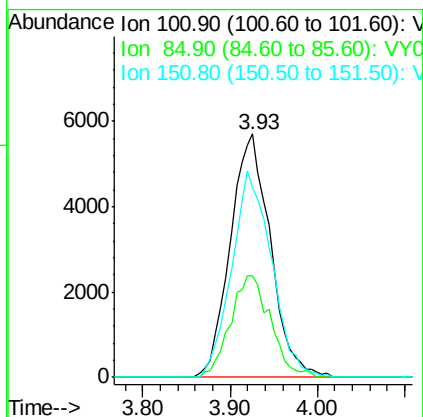
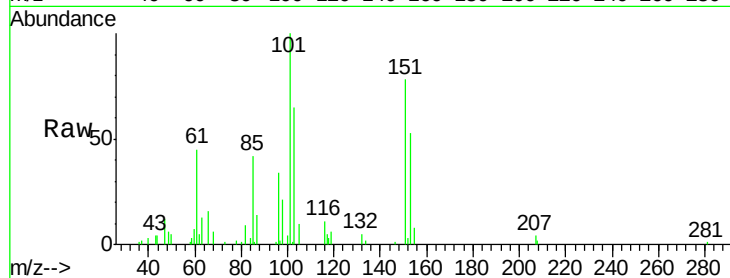
ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:	101	Resp:	18165
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.4	50.2
151	84.4	66.8	100.2

Manual Integrations
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#10

Methyl Iodide

Concen: 5.021 ug/l

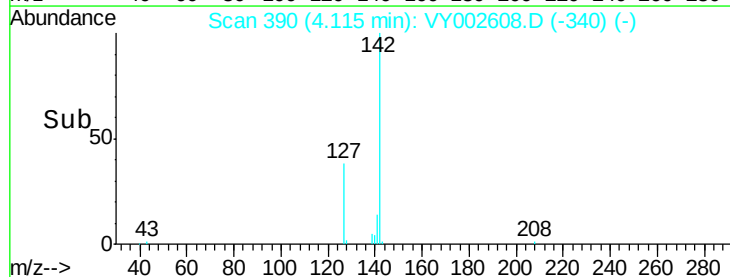
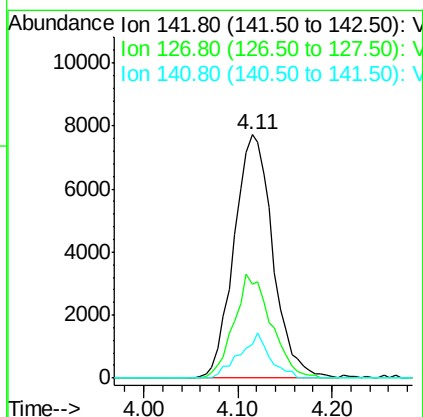
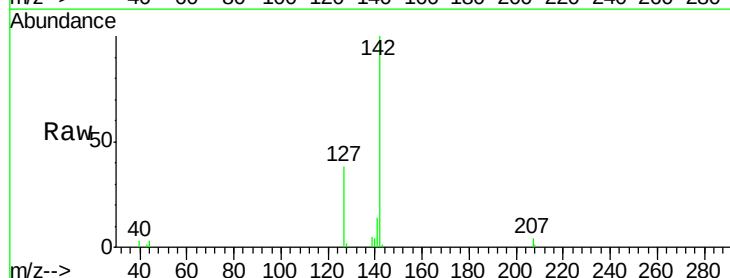
RT: 4.11 min Scan# 390

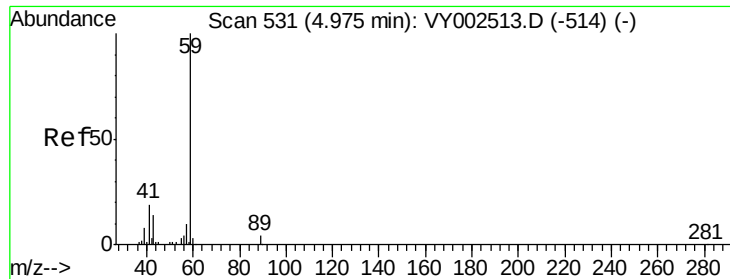
Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Tgt Ion:	142	Resp:	22178
Ion Ratio	Lower	Upper	
142	100		
127	40.8	33.7	50.5
141	14.1	11.4	17.0





#11

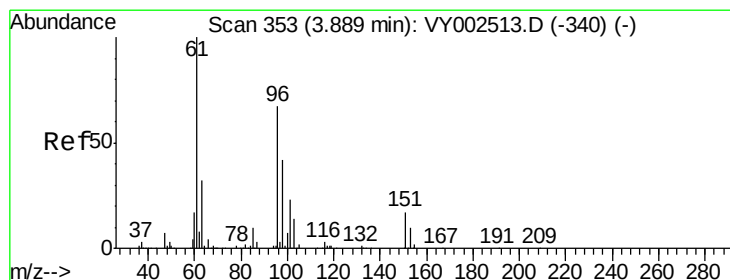
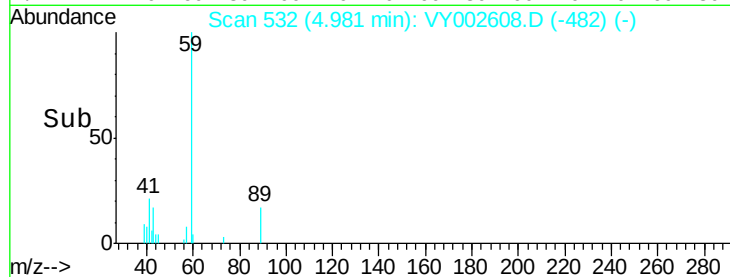
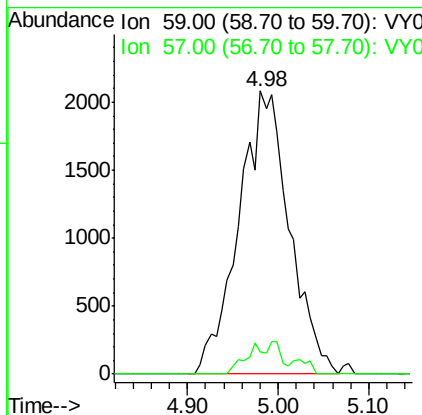
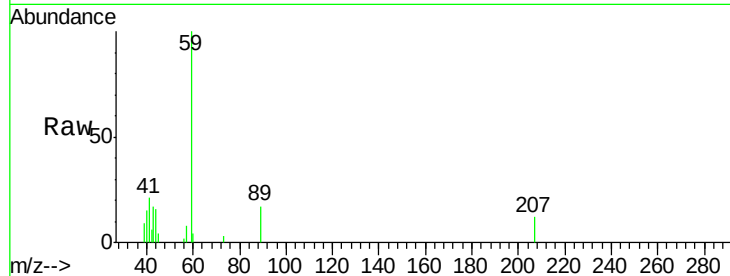
Tert butyl alcohol
Concen: 25.490 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.3	7.8	11.6#

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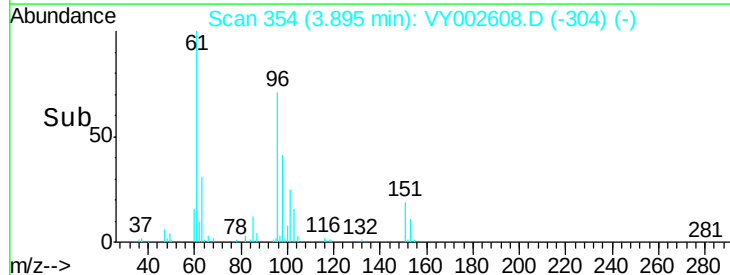
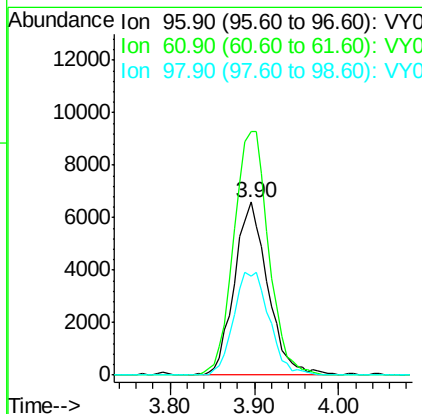
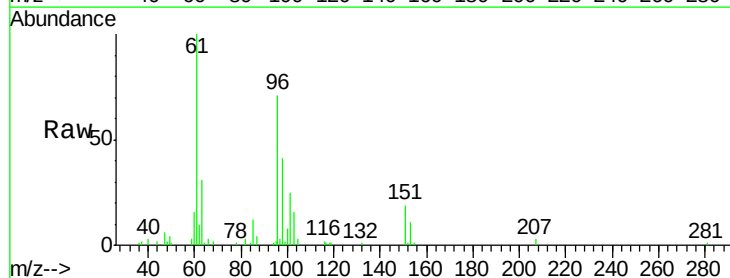
MMDadoda
5/7/2020 10:35:30 AM

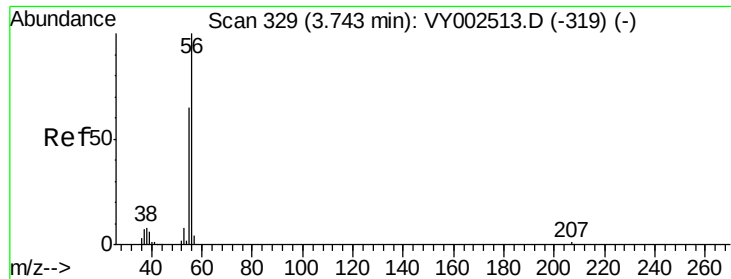


#12

1,1-Dichloroethene
Concen: 5.641 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.01 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.6	118.8	178.2
98	57.3	49.6	74.4





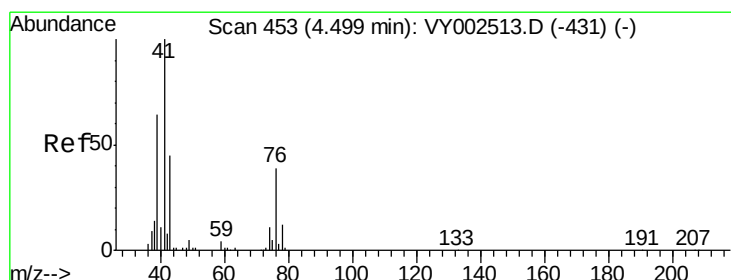
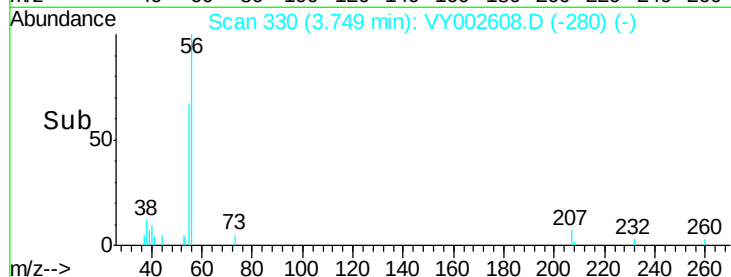
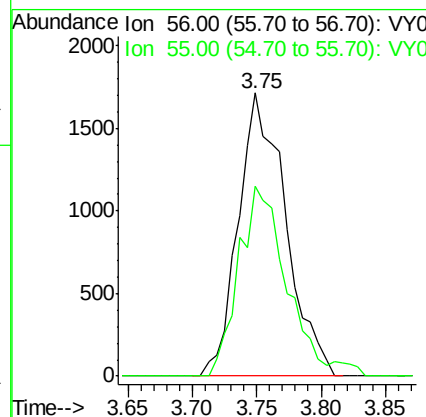
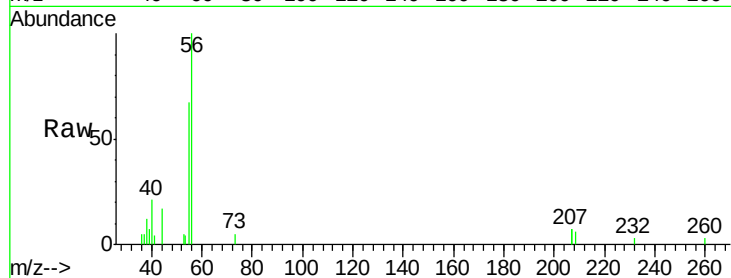
#13
Acrolein
Concen: 19.929 ug/l
RT: 3.75 min Scan# 330
Delta R.T. 0.01 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.0	53.8	80.6

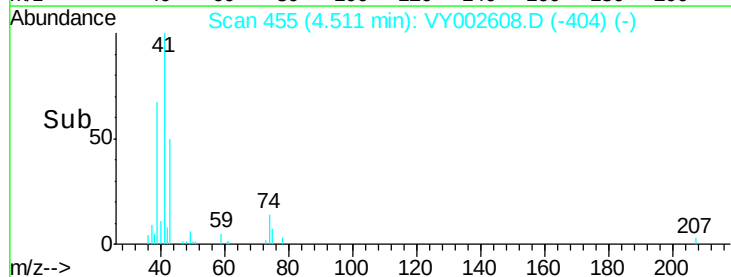
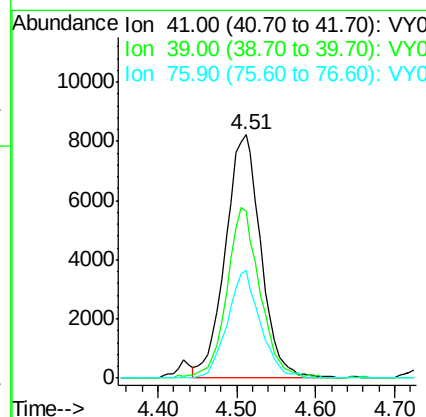
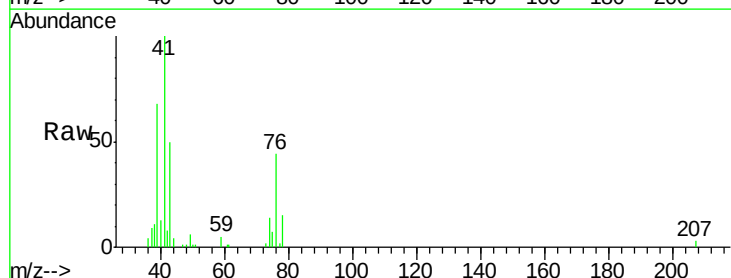
Manual Integrations
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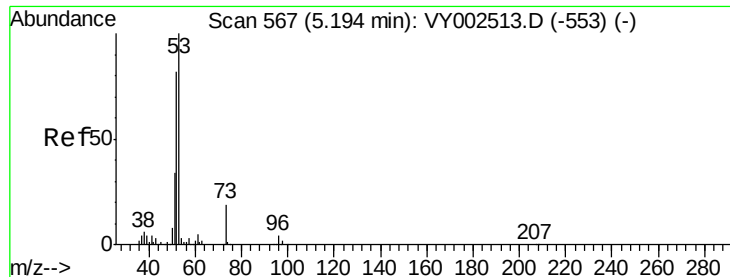
MMDadoda
5/7/2020 10:35:30 AM



#14
Allyl chloride
Concen: 5.620 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.01 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.0	51.8	77.6
76	40.6	31.7	47.5





#15

Acrylonitrile

Concen: 26.481 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

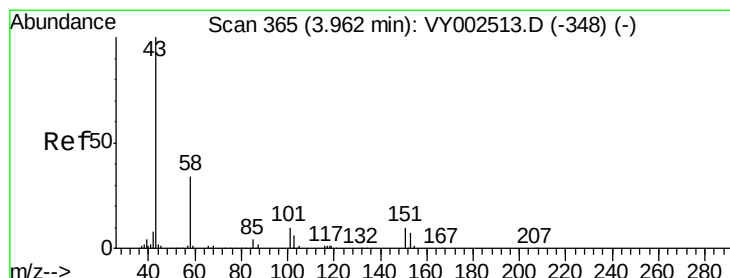
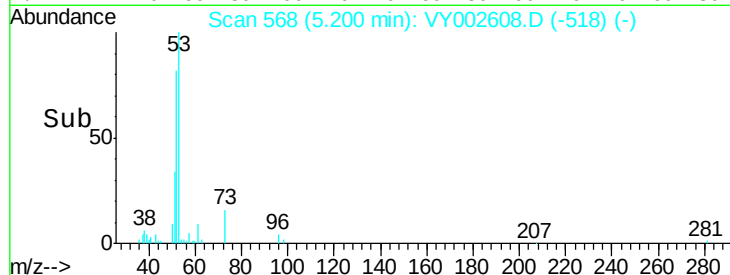
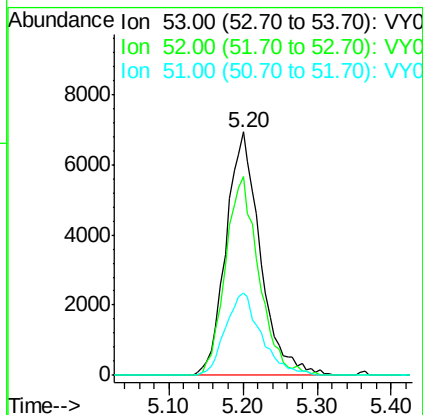
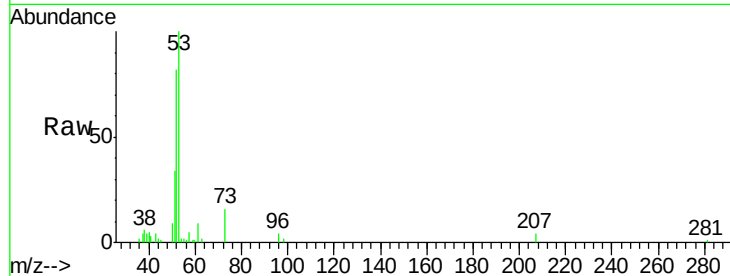
ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:	53	Resp:	22263
Ion	Ratio	Lower	Upper
53	100		
52	79.8	65.4	98.0
51	35.4	28.7	43.1

Manual Integrations
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MMDadoda
5/7/2020 10:35:30 AM



#16

Acetone

Concen: 25.487 ug/l

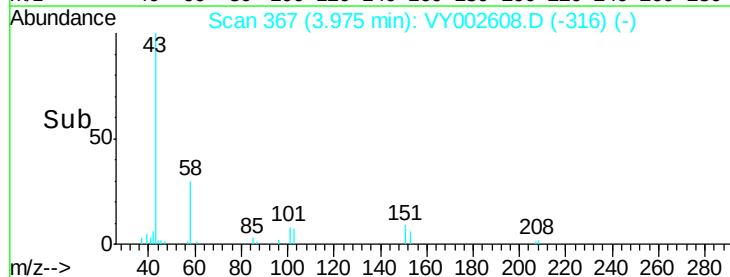
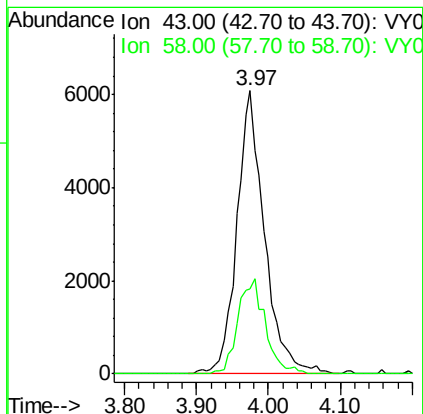
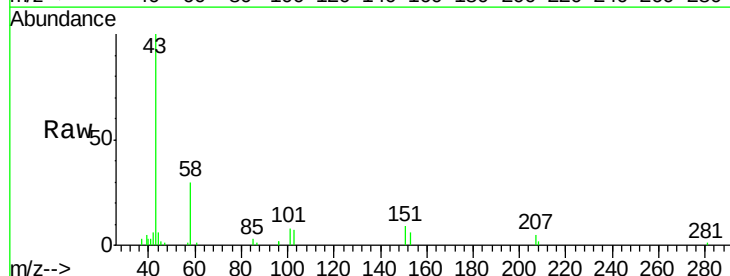
RT: 3.97 min Scan# 367

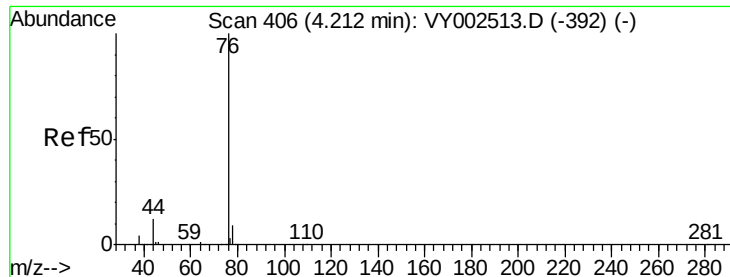
Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Tgt Ion:	43	Resp:	16182
Ion	Ratio	Lower	Upper
43	100		
58	29.9	26.9	40.3





#17

Carbon Disulfide

Concen: 5.589 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion: 76 Resp: 52962

Ion Ratio Lower Upper

76 100

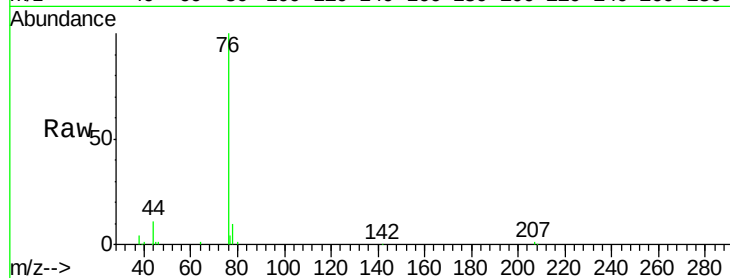
78 9.6 7.4 11.2

Manual Integrations

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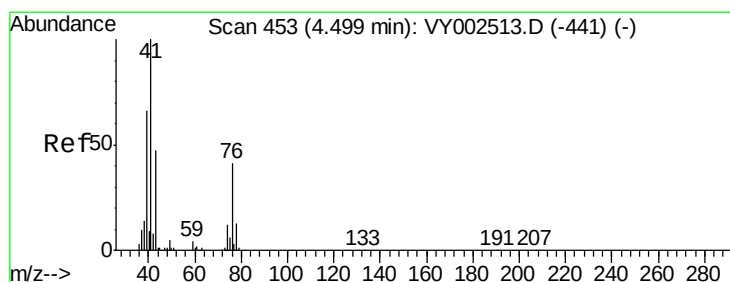
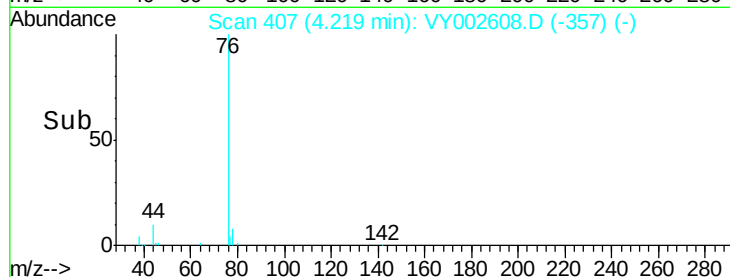
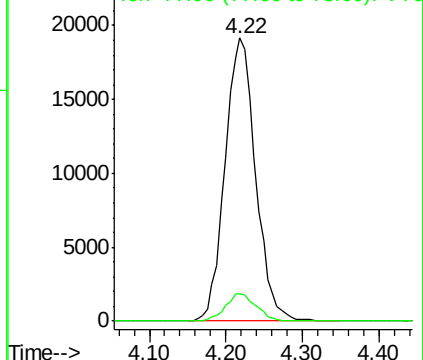
MMDadoda

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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: 6.365 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002608.D

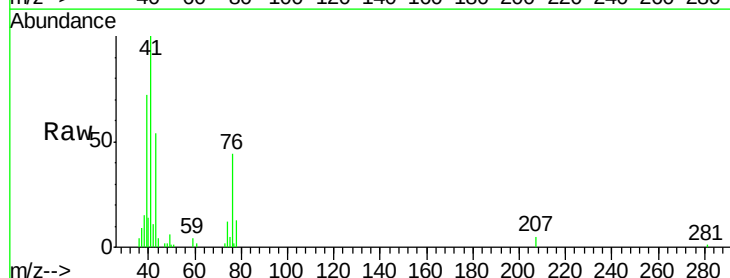
Acq: 06 May 2020 12:25

Tgt Ion: 43 Resp: 13503

Ion Ratio Lower Upper

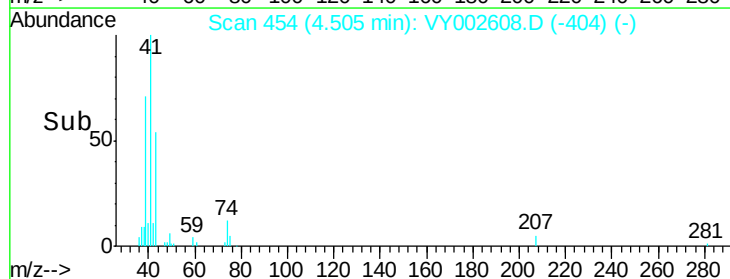
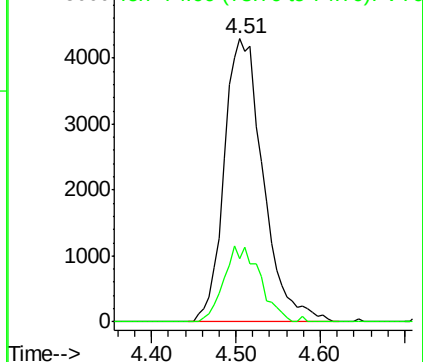
43 100

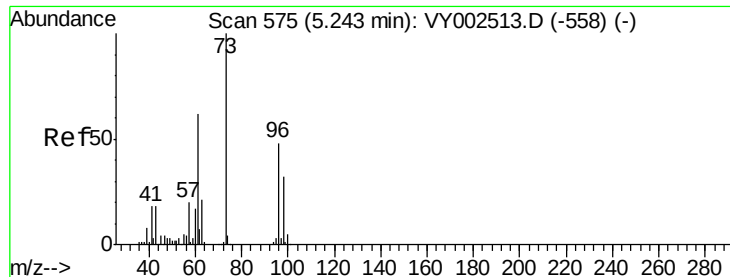
74 24.8 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





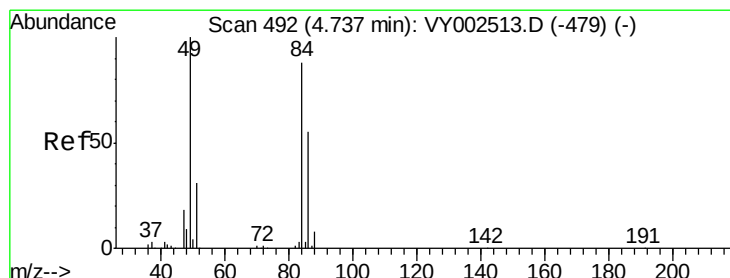
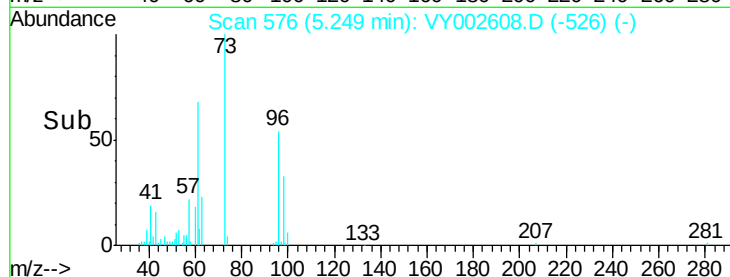
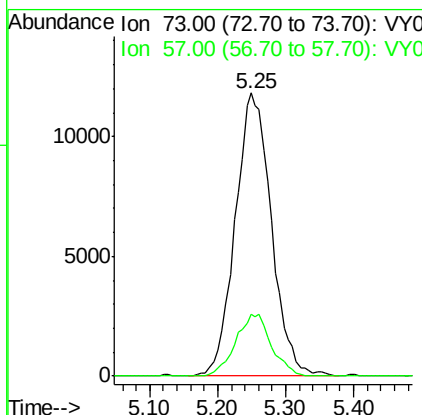
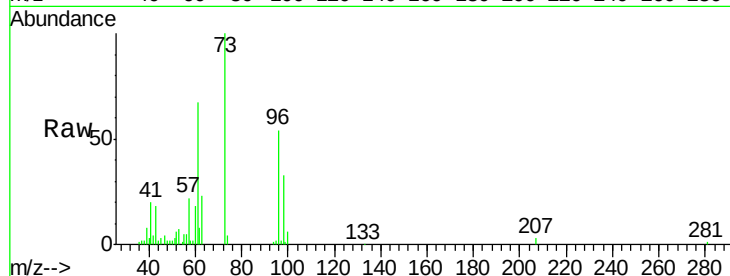
#19
Methyl tert-butyl Ether
Concen: 5.306 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion: 73 Resp: 43606
Ion Ratio Lower Upper
73 100
57 21.7 16.3 24.5

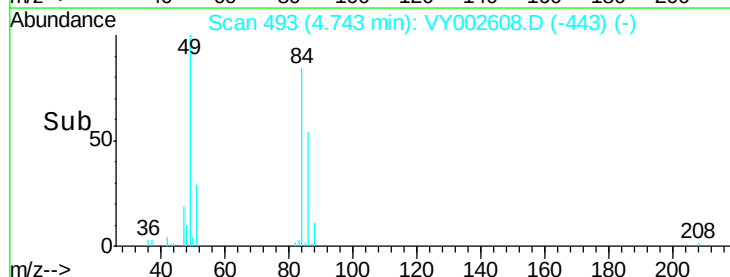
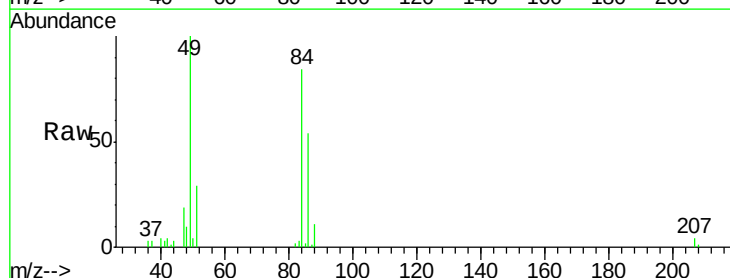
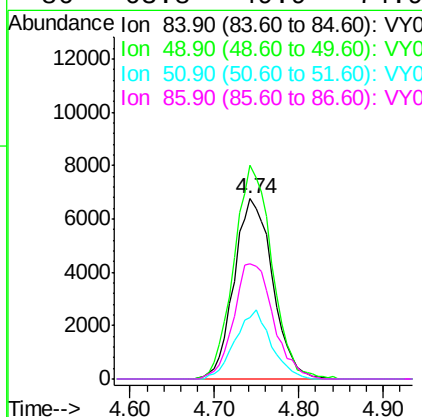
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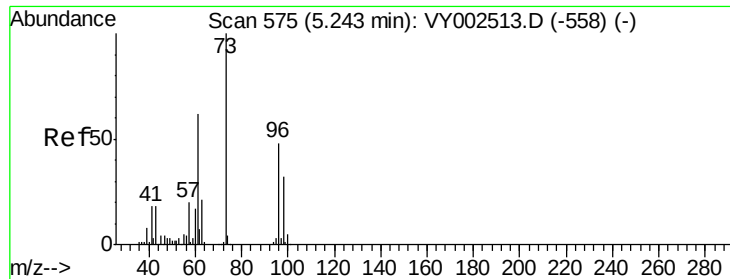
MMDadoda
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#20
Methylene Chloride
Concen: 5.909 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion: 84 Resp: 20981
Ion Ratio Lower Upper
84 100
49 118.6 90.5 135.7
51 34.5 28.3 42.5
86 63.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 5.785 ug/l

RT: 5.25 min Scan# 576

Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

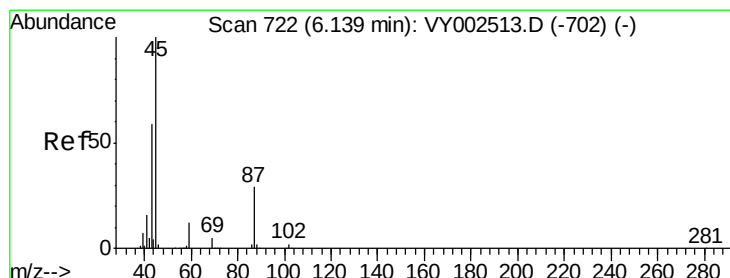
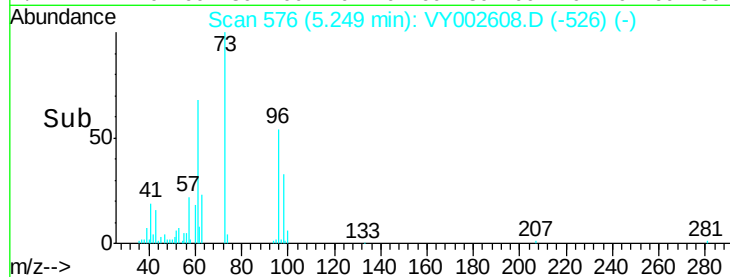
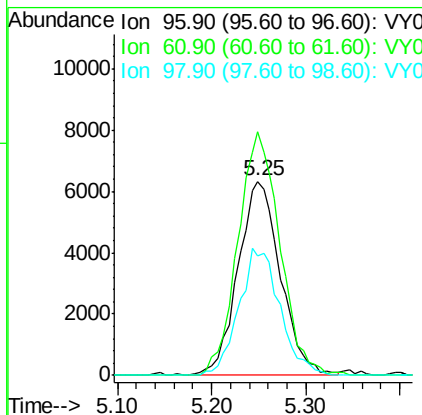
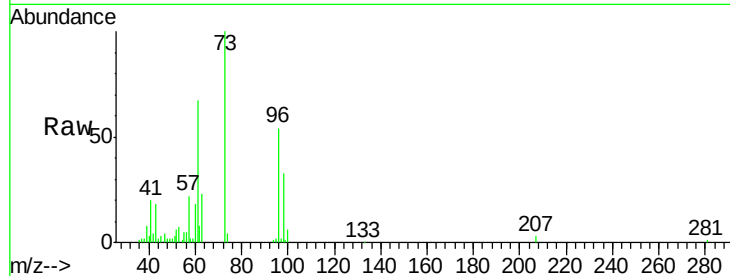
ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:	96	Resp:	19915
Ion	Ratio	Lower	Upper
96	100		
61	125.5	102.0	153.0
98	61.6	53.0	79.4

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#22

Diisopropyl ether

Concen: 5.785 ug/l

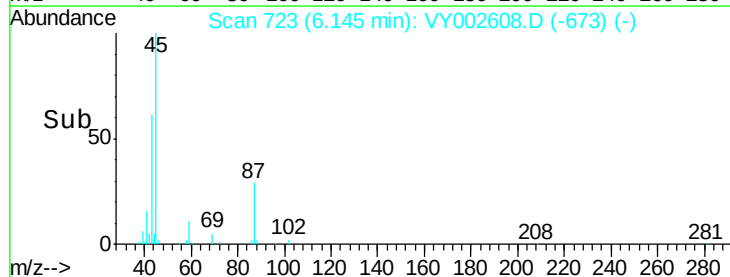
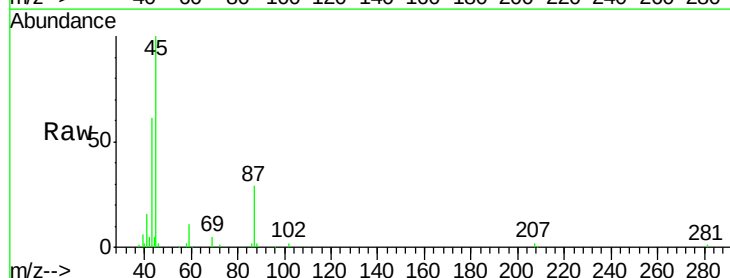
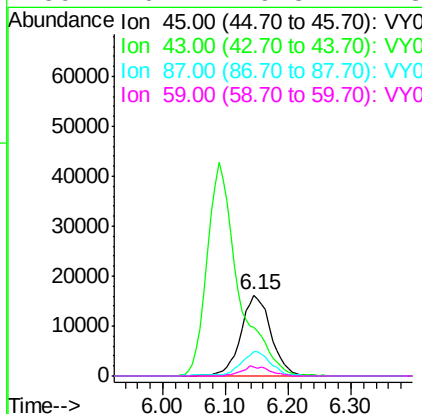
RT: 6.15 min Scan# 723

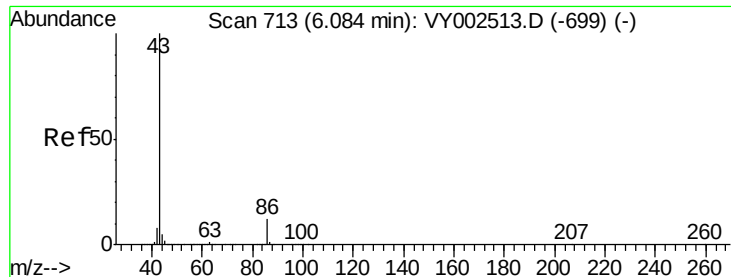
Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Tgt Ion:	45	Resp:	53716
Ion	Ratio	Lower	Upper
45	100		
43	60.6	47.4	71.0
87	29.3	24.0	36.0
59	10.7	9.8	14.8





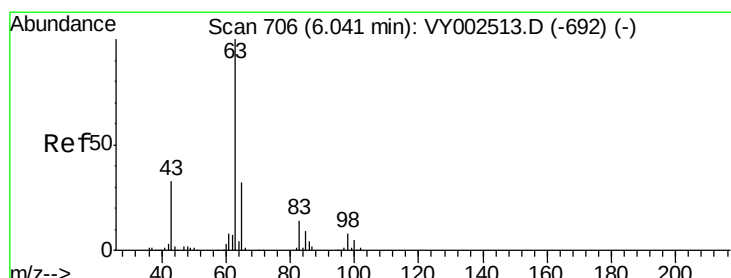
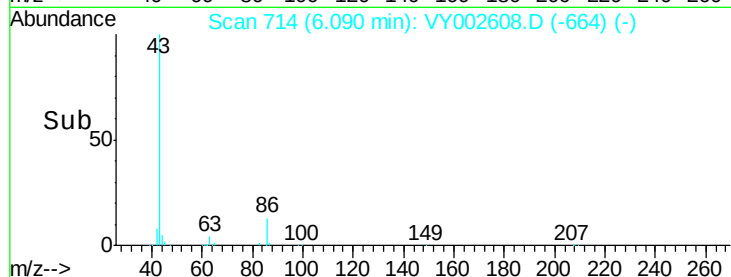
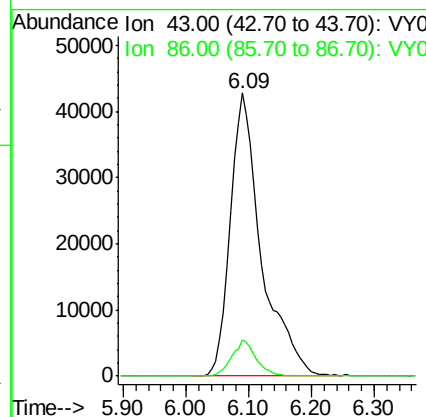
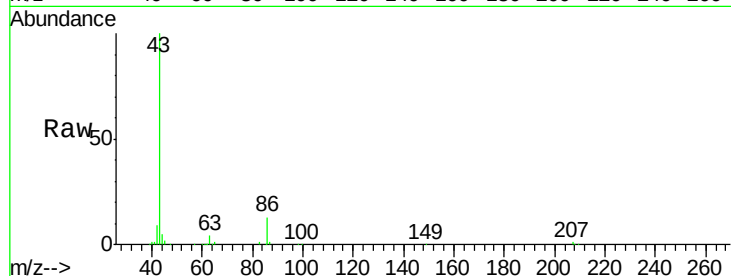
#23
 Vinyl Acetate
 Concen: 25.156 ug/l
 RT: 6.09 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
43	100	146908		
86	12.8		9.8	14.6

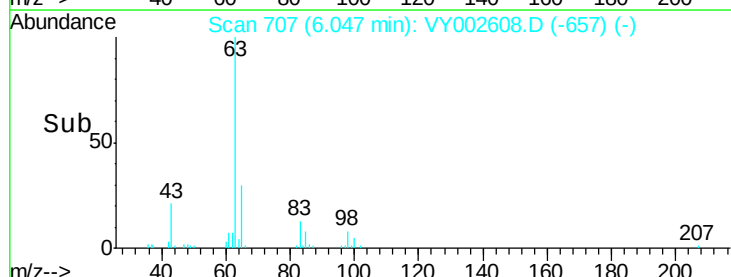
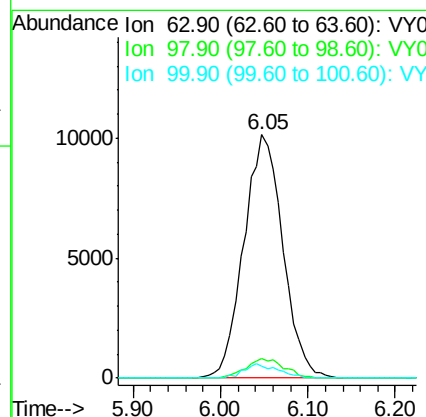
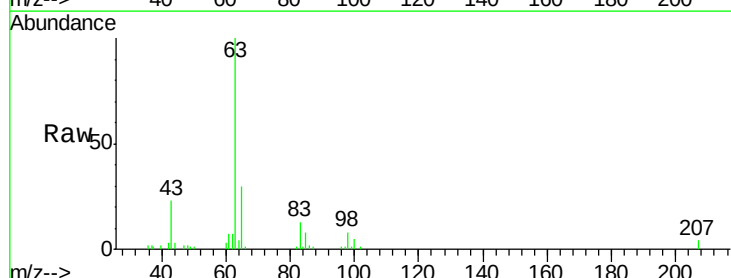
Manual Integrations
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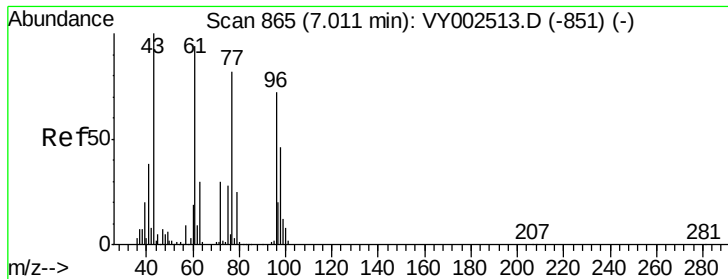
MMDadoda
 5/7/2020 10:35:30 AM



#24
 1,1-Dichloroethane
 Concen: 5.716 ug/l
 RT: 6.05 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	31402		
98	8.3		3.9	11.7
100	4.7		2.4	7.2





#25

2-Butanone

Concen: 26.079 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion: 43 Resp: 27105

Ion Ratio Lower Upper

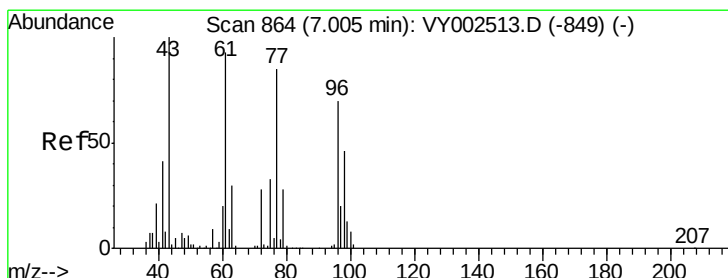
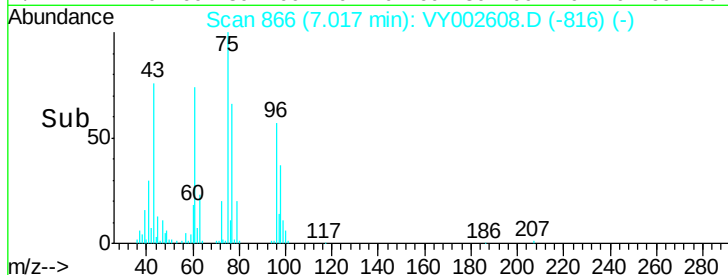
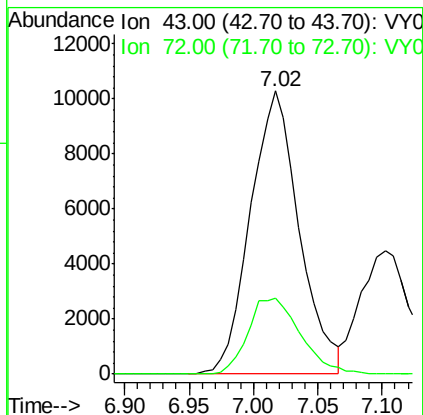
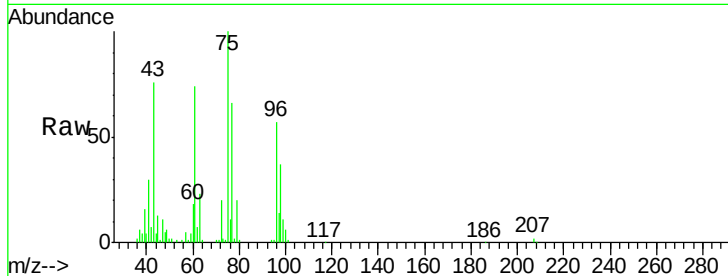
43 100

72 26.8 24.1 36.1

Manual Integrations
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MMDadoda

5/7/2020 10:35:30 AM



#26

2,2-Dichloropropane

Concen: 5.623 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY002608.D

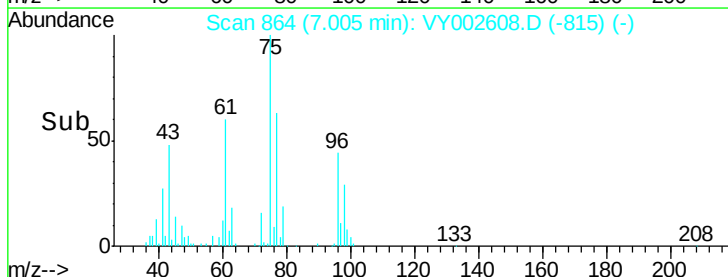
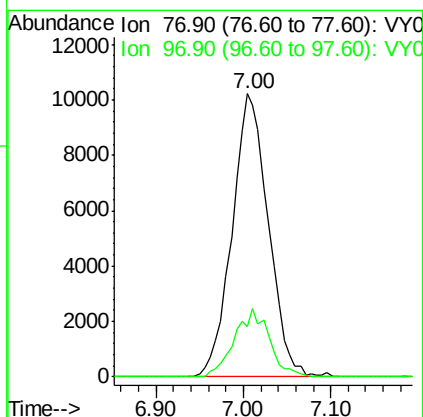
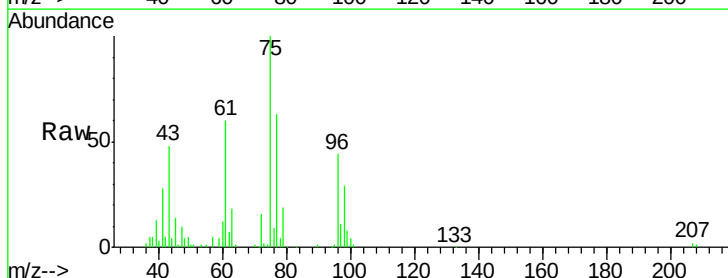
Acq: 06 May 2020 12:25

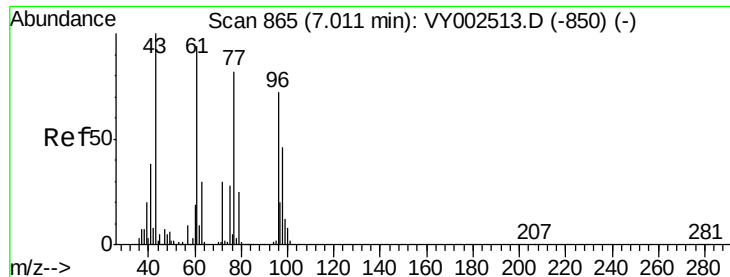
Tgt Ion: 77 Resp: 29363

Ion Ratio Lower Upper

77 100

97 23.0 11.9 35.5





#27

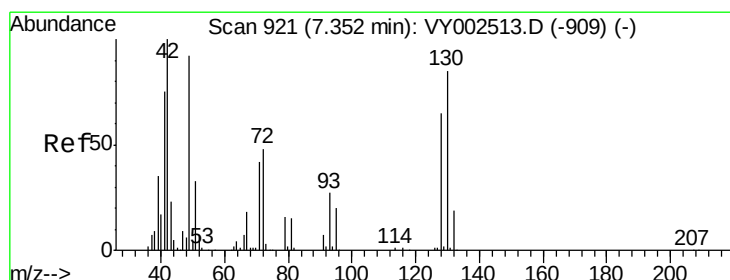
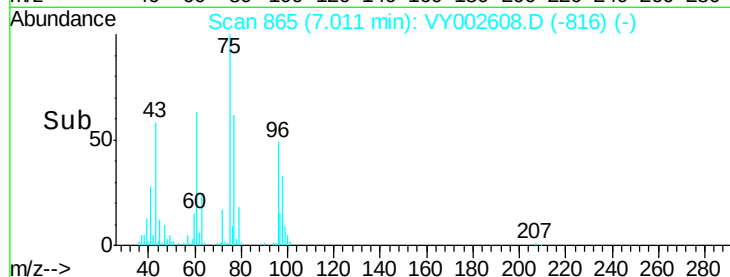
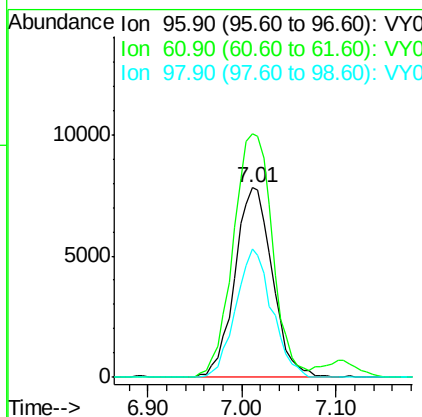
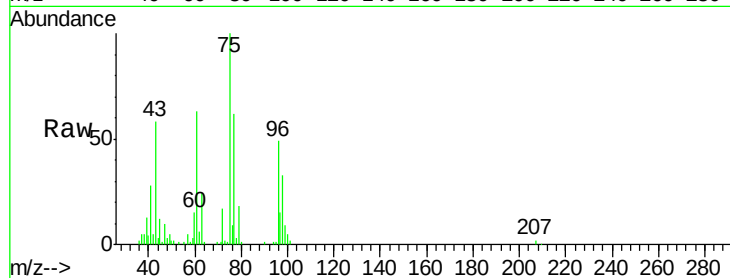
cis-1,2-Dichloroethene
Concen: 5.688 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.2	0.0	266.6
98	65.1	0.0	129.2

Manual Integrations
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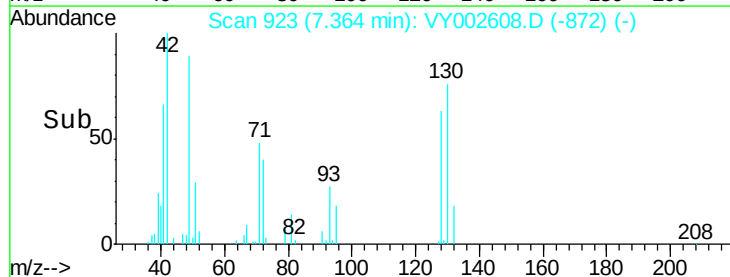
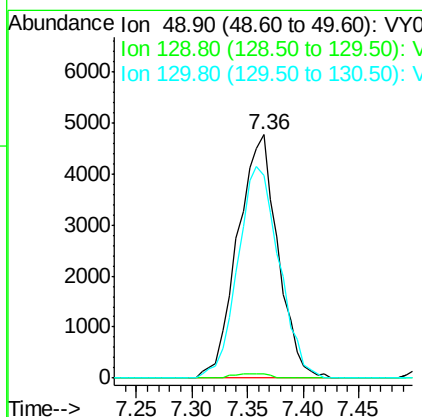
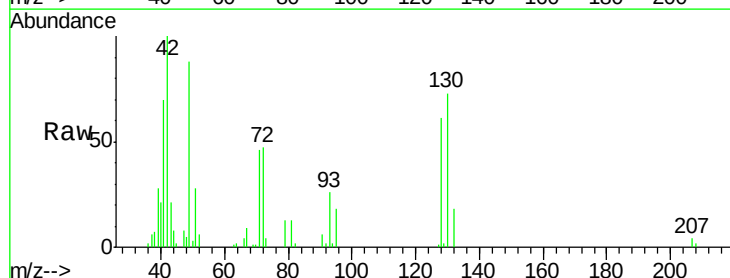
MMDadoda
5/7/2020 10:35:30 AM

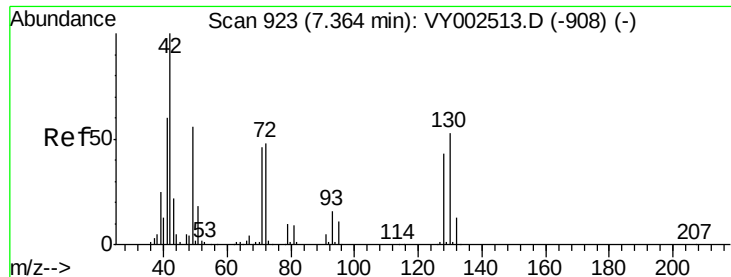


#28

Bromochloromethane
Concen: 5.303 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.8
130	89.6	72.5	108.7





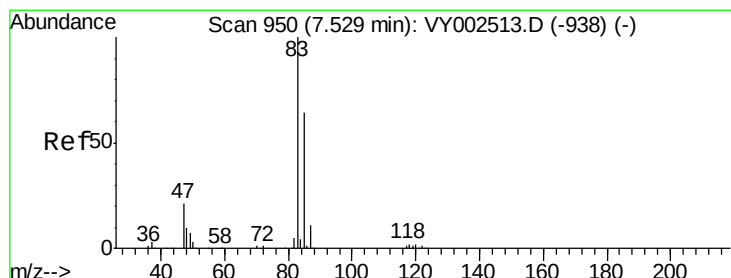
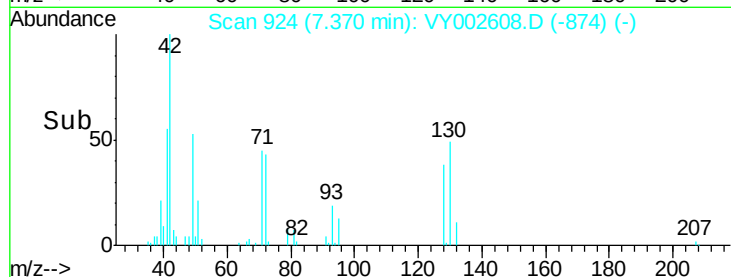
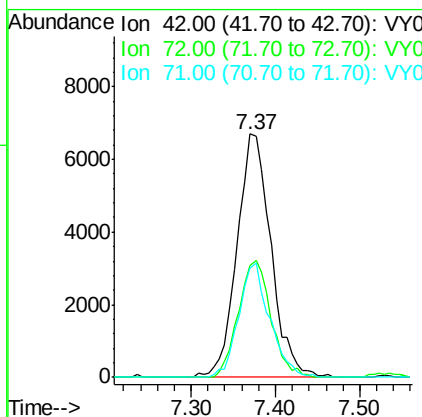
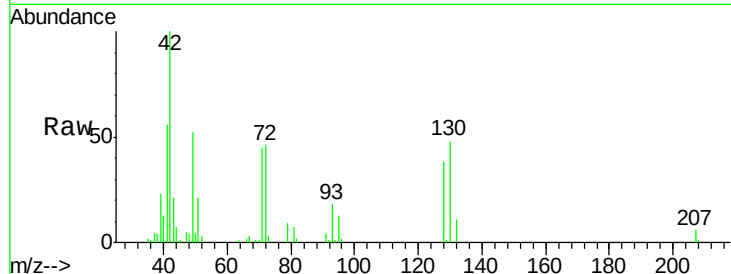
#29
Tetrahydrofuran
Concen: 26.547 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	37.4	56.2
71	42.7	35.0	52.4

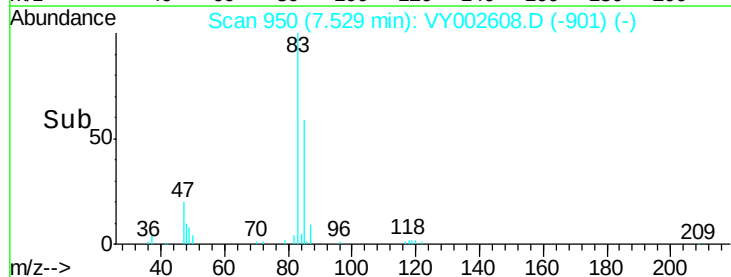
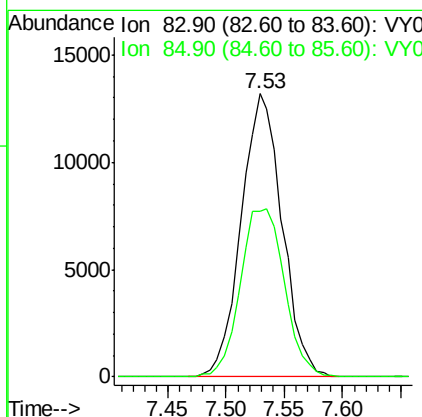
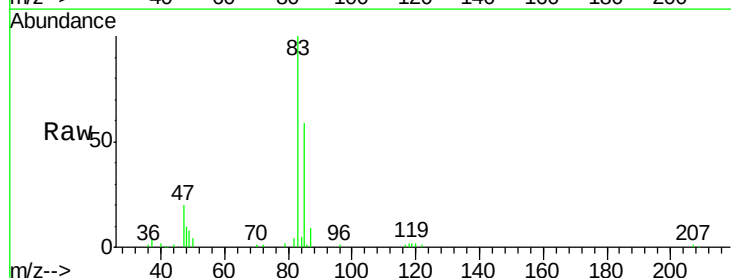
Manual Integrations
APPROVED

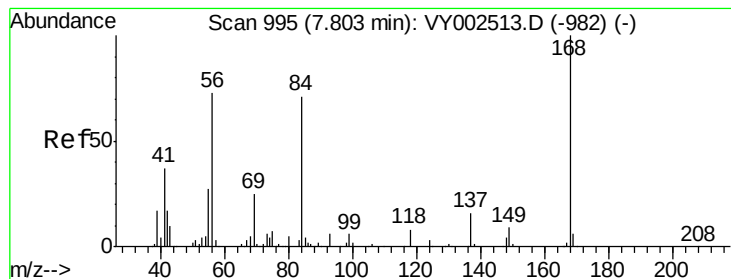
MMDadoda
5/7/2020 10:35:30 AM



#30
Chloroform
Concen: 5.650 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.5	51.5	77.3





#31

Cyclohexane

Concen: 6.271 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

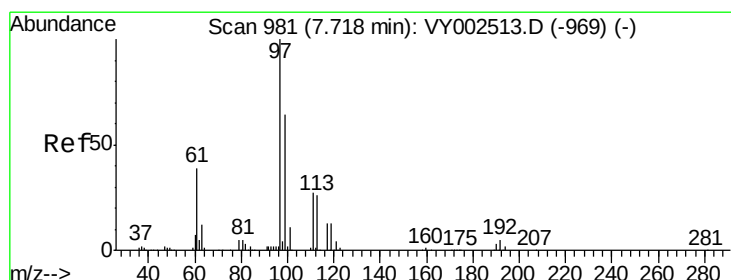
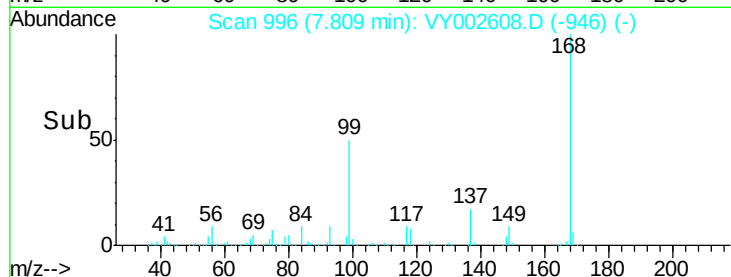
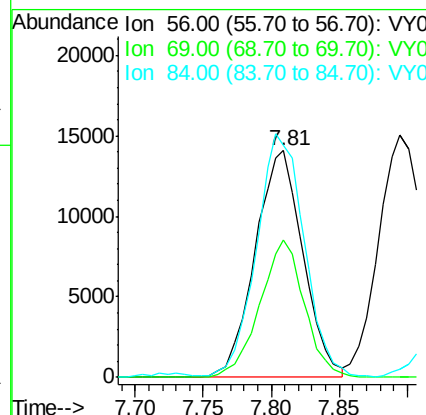
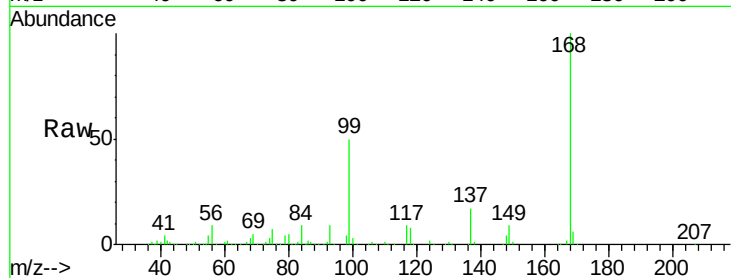
ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:	56	Resp:	34674
Ion	Ratio	Lower	Upper
56	100		
69	60.8	27.6	41.4#
84	101.7	77.7	116.5

Manual Integrations
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5/7/2020 10:35:30 AM



#32

1,1,1-Trichloroethane

Concen: 5.516 ug/l

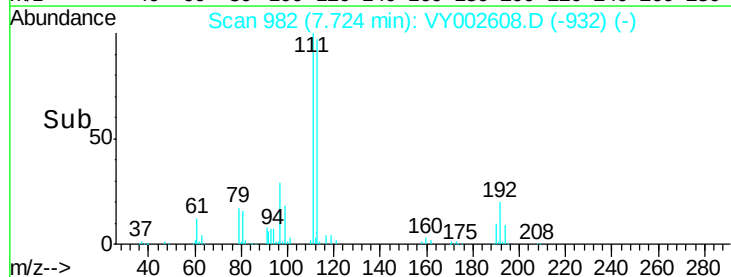
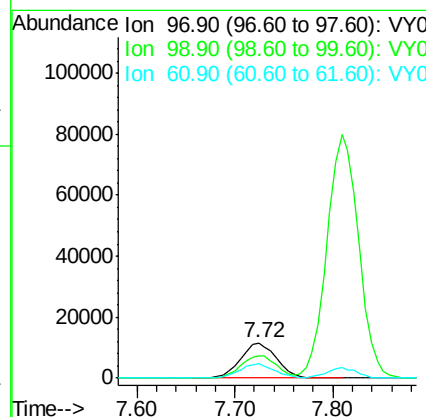
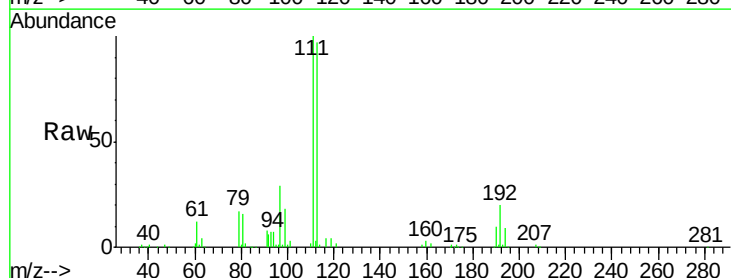
RT: 7.72 min Scan# 982

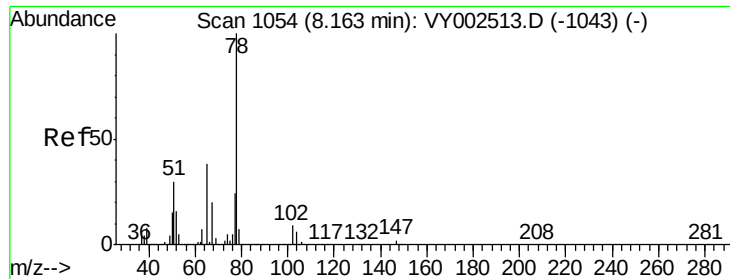
Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Tgt Ion:	97	Resp:	29283
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.9	77.9
61	39.3	31.0	46.6





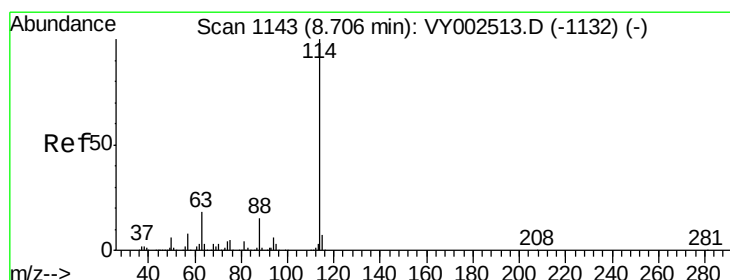
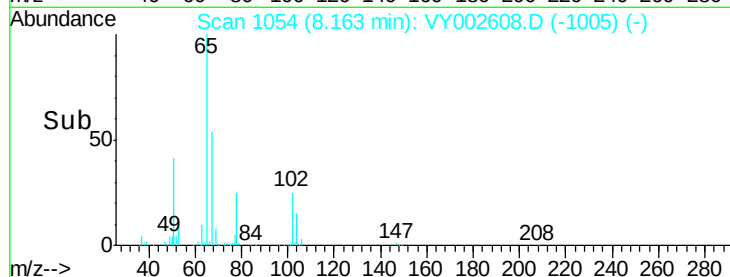
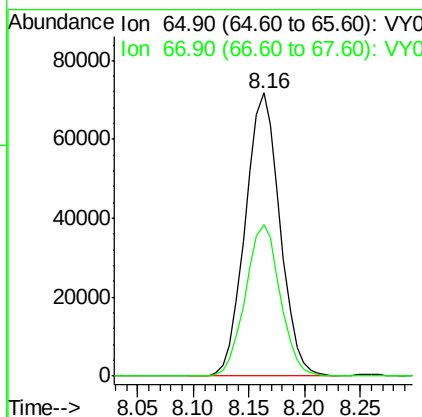
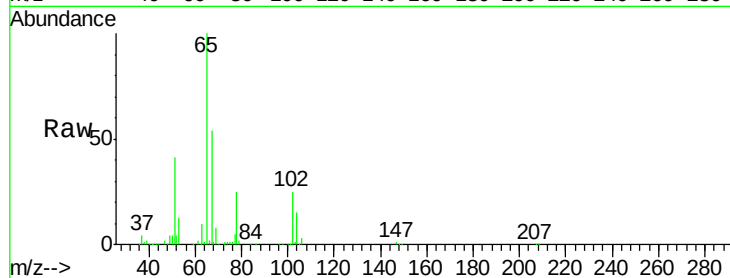
#33
 1,2-Dichloroethane-d4
 Concen: 50.522 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.7	0.0	107.2	

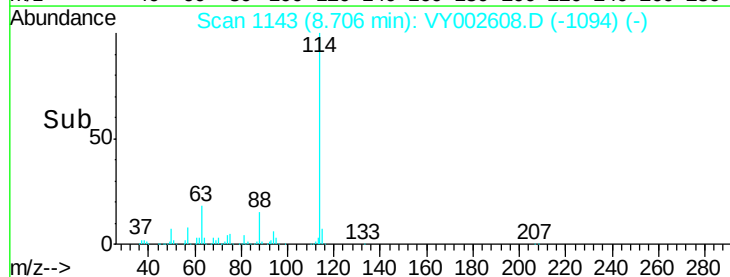
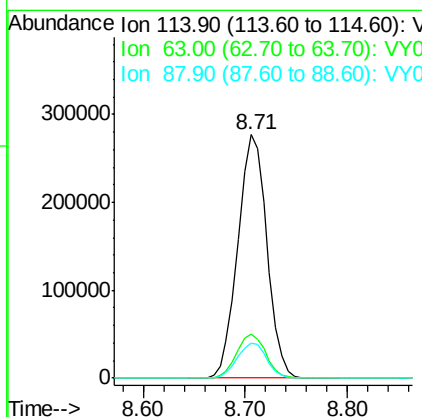
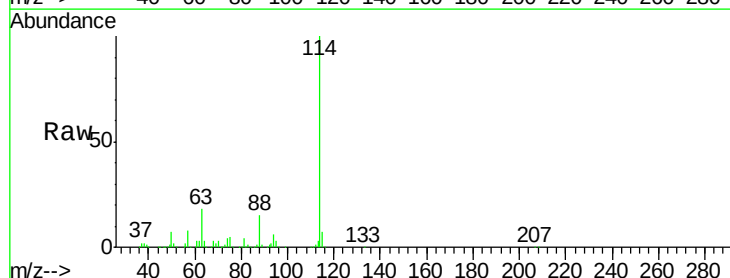
Manual Integrations
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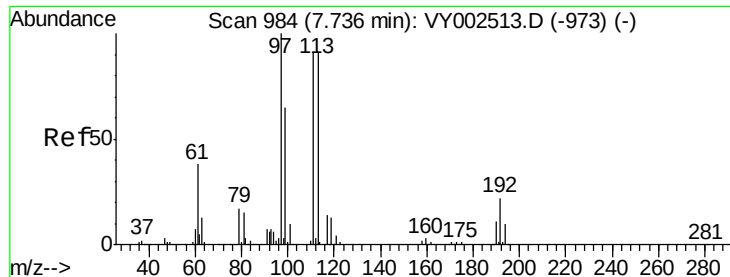
MMDadoda
 5/7/2020 10:35:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.1	0.0	36.4	
88	14.5	0.0	29.6	





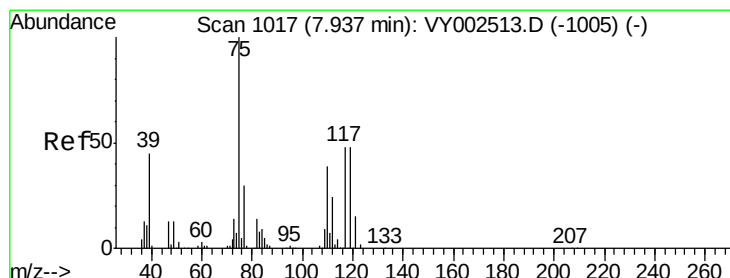
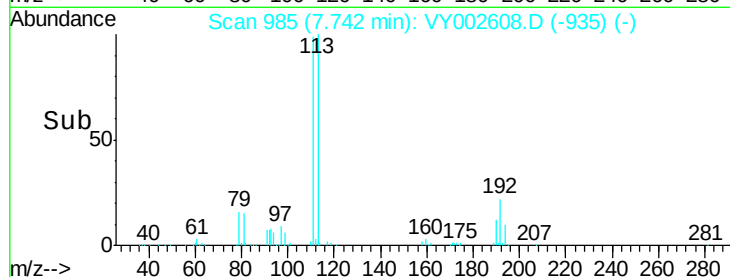
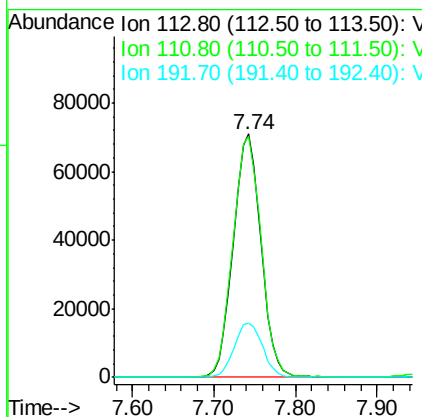
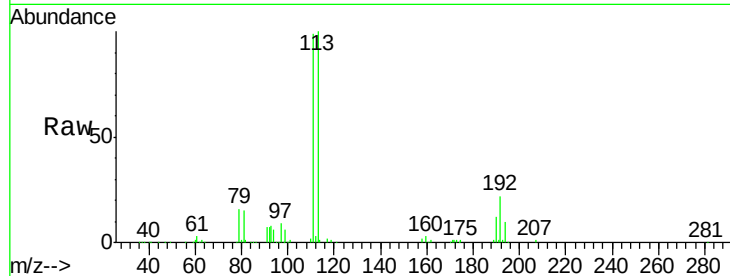
#35
 Dibromofluoromethane
 Concen: 53.054 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	165915		
111	101.3		81.8	122.6
192	22.7		18.2	27.4

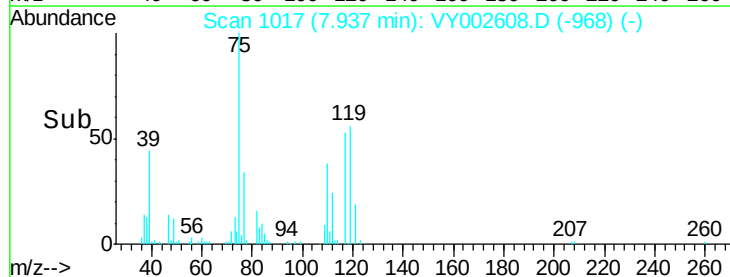
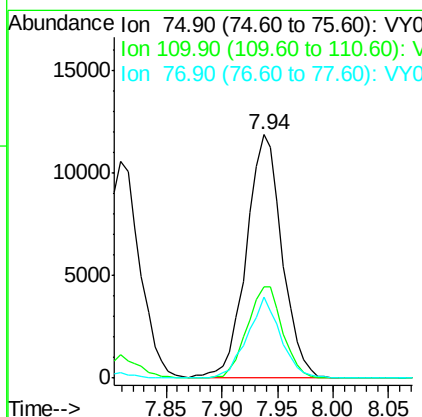
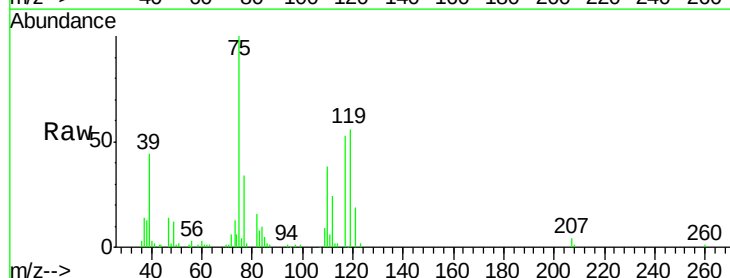
Manual Integrations
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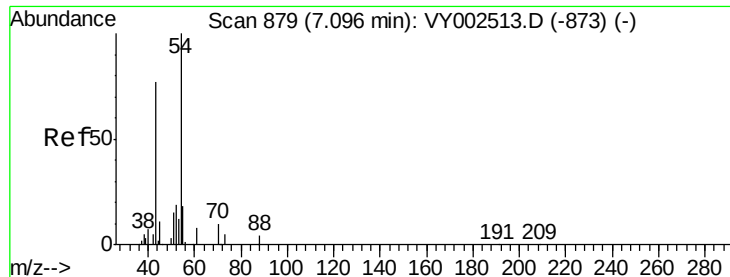
MMDadoda
 5/7/2020 10:35:30 AM



#36
 1,1-Dichloropropene
 Concen: 5.786 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26522		
110	37.0		19.1	57.3
77	30.9		24.6	37.0





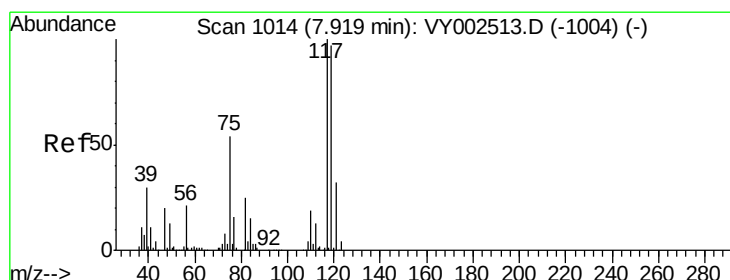
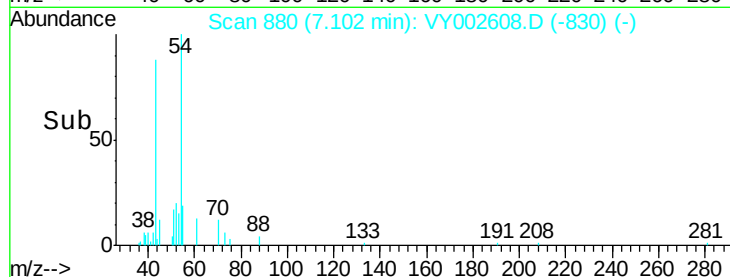
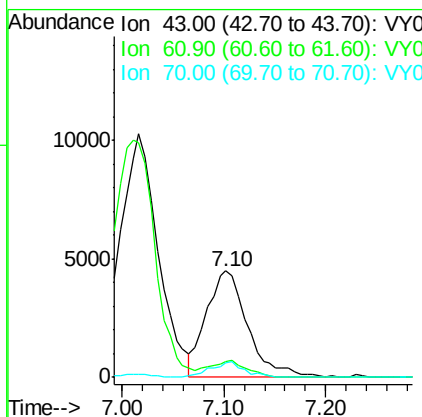
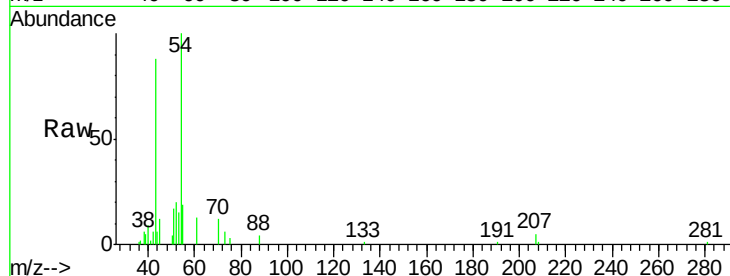
#37
Ethyl Acetate
Concen: 5.386 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.01 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.6	17.4
70	11.8	9.0	13.6

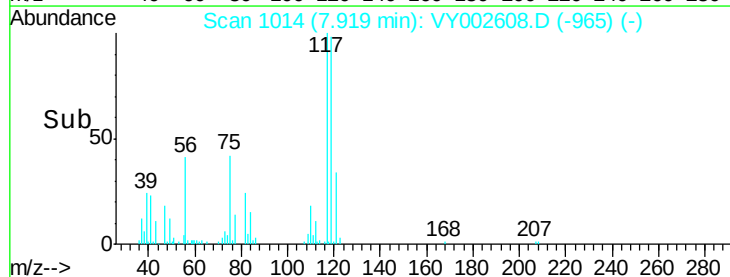
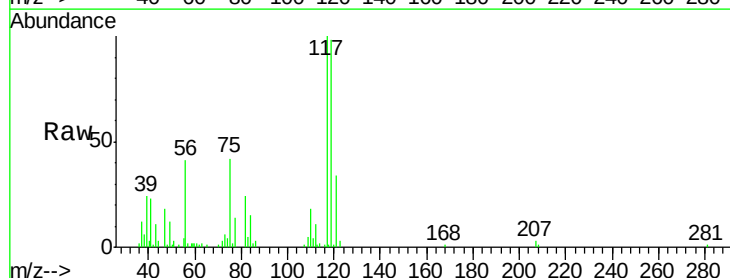
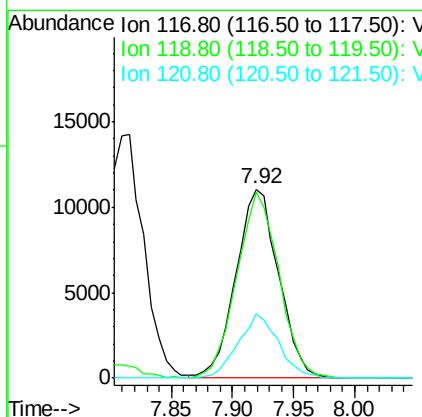
Manual Integrations
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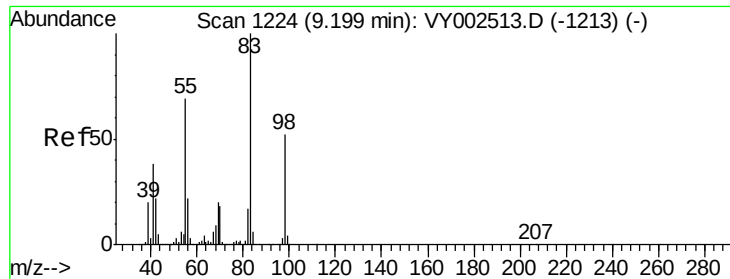
MMDadoda
5/7/2020 10:35:30 AM



#38
Carbon Tetrachloride
Concen: 5.348 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	77.1	115.7
121	34.2	25.2	37.8





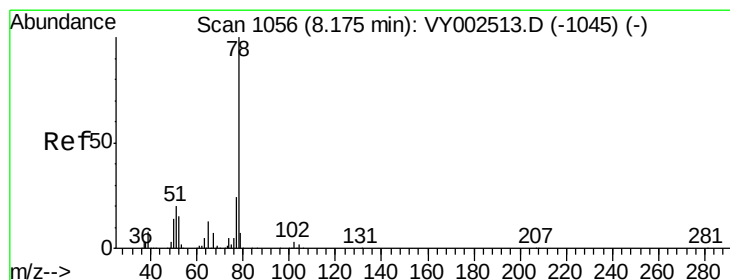
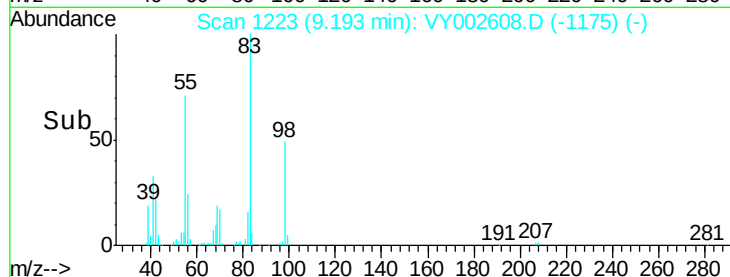
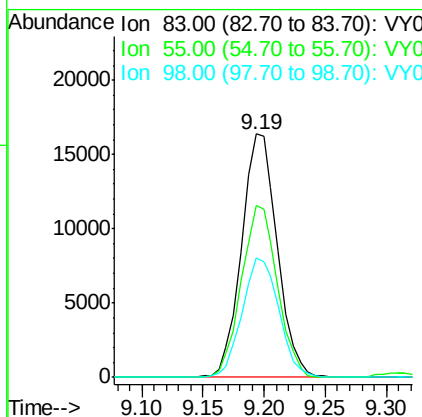
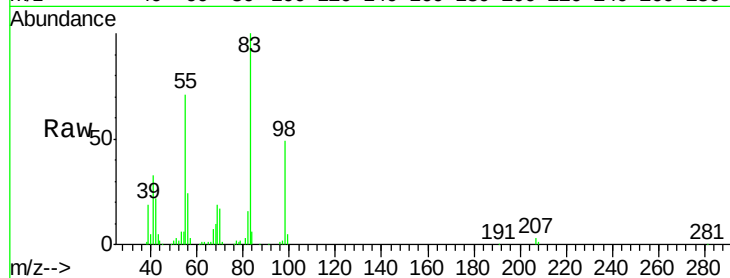
#39
Methylvlcyclohexane
Concen: 5.476 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	55.4	83.0
98	49.1	41.3	61.9

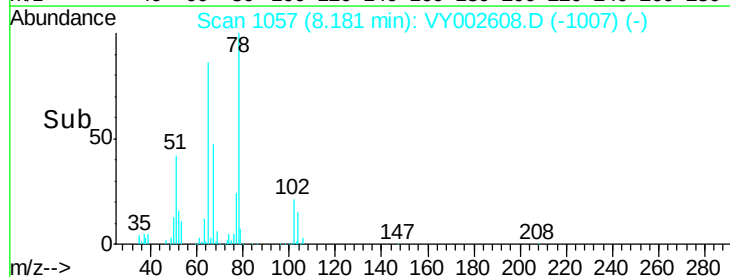
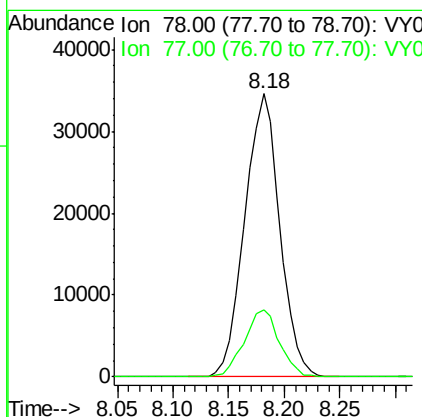
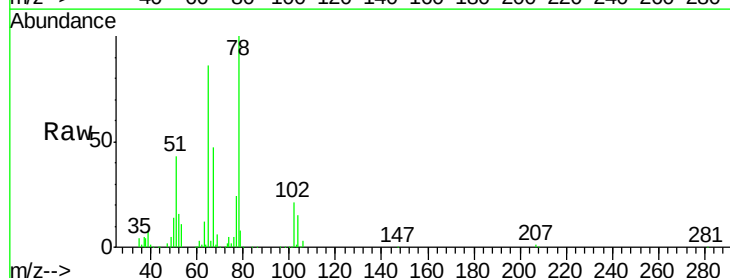
Manual Integrations
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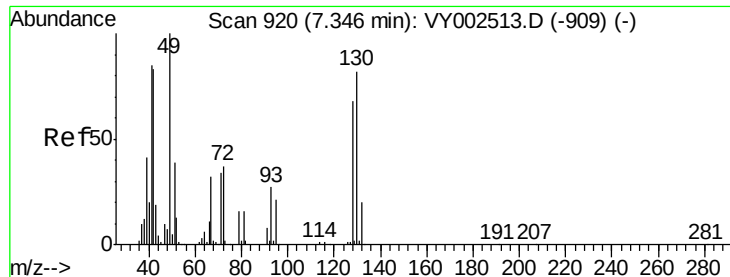
MMDadoda
5/7/2020 10:35:30 AM



#40
Benzene
Concen: 5.710 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





#41

Methacrylonitrile

Concen: 5.807 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. -0.00 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion: 41 Resp: 7355

Ion Ratio Lower Upper

41 100

39 103.7 83.1 124.7

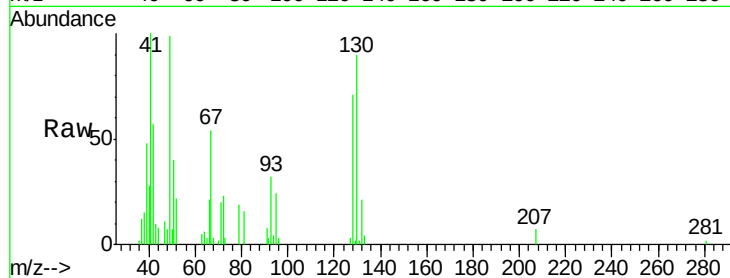
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

5/7/2020 10:35:30 AM

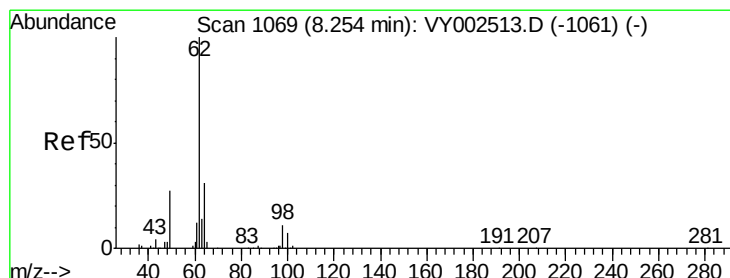
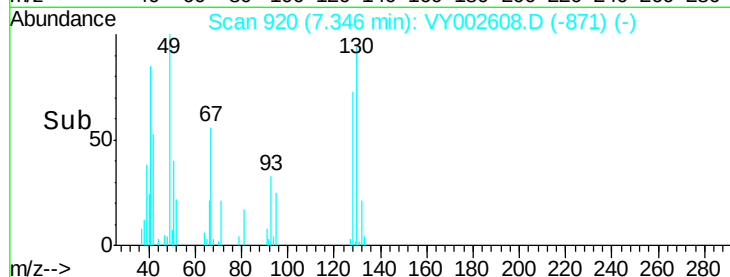
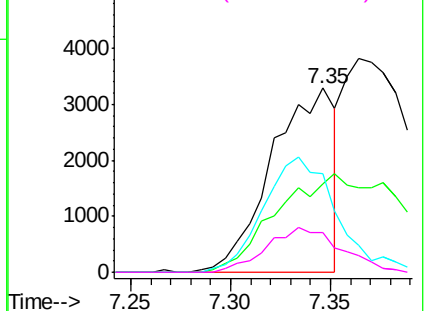


Abundance Ion 41.00 (40.70 to 41.70): VY002608.D (-871) (-)

Ion 39.00 (38.70 to 39.70): VY002608.D (-871) (-)

Ion 67.00 (66.70 to 67.70): VY002608.D (-871) (-)

Ion 52.00 (51.70 to 52.70): VY002608.D (-871) (-)



#42

1,2-Dichloroethane

Concen: 5.236 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VY002608.D

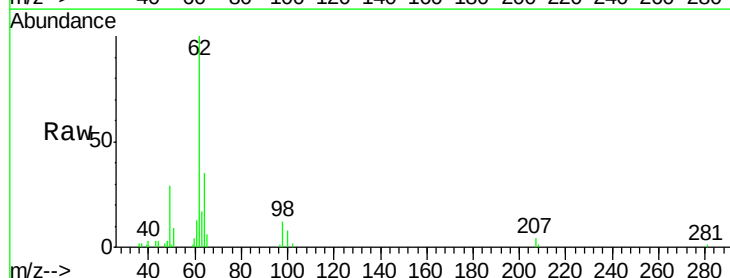
Acq: 06 May 2020 12:25

Tgt Ion: 62 Resp: 19445

Ion Ratio Lower Upper

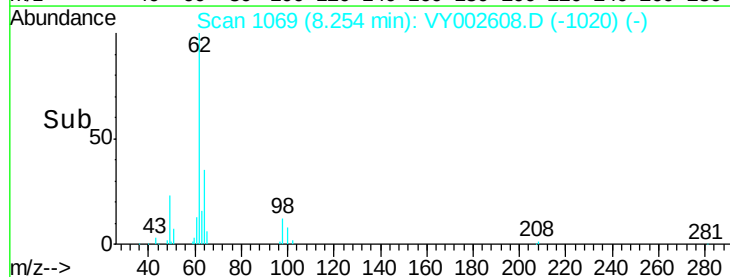
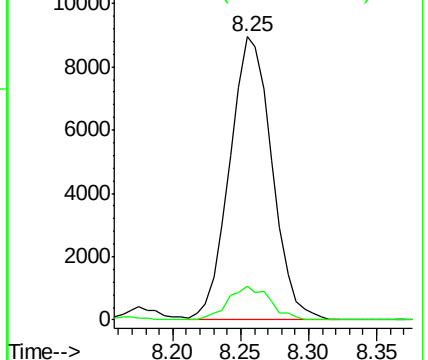
62 100

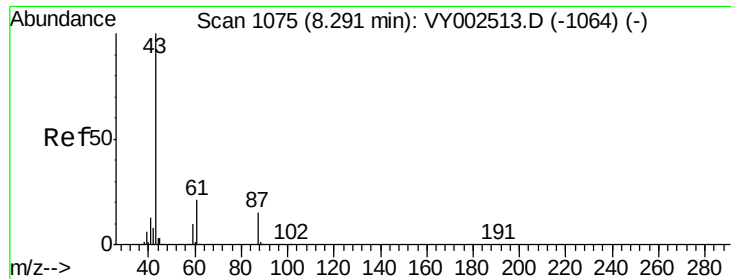
98 11.7 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VY002608.D (-1020) (-)

Ion 97.90 (97.60 to 98.60): VY002608.D (-1020) (-)





#43

Isopropyl Acetate

Concen: 5.090 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

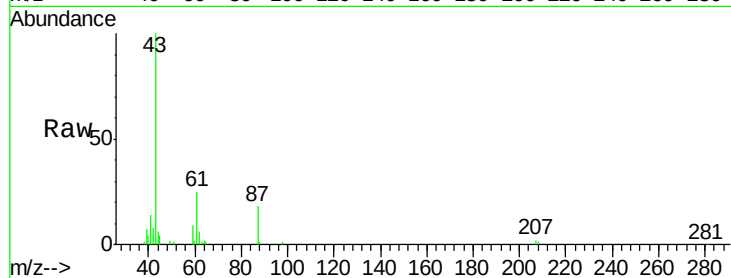
ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:	43	Resp:	22476
Ion	Ratio	Lower	Upper
43	100		
61	31.8	24.8	37.2
87	15.9	12.2	18.2

Manual Integrations
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MMDadoda
5/7/2020 10:35:30 AM

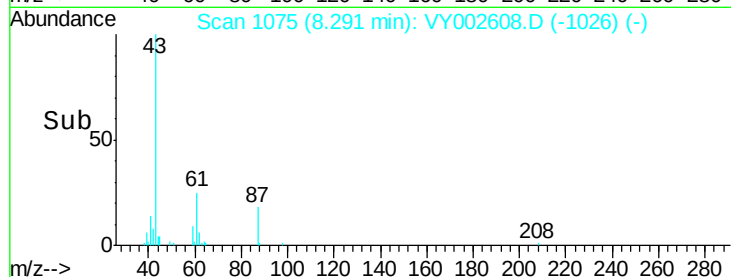


Abundance Ion 43.00 (42.70 to 43.70): VY002608.D (-1026) (-)

Ion 61.00 (60.70 to 61.70): VY002608.D (-1026) (-)

Ion 87.00 (86.70 to 87.70): VY002608.D (-1026) (-)

Time-->



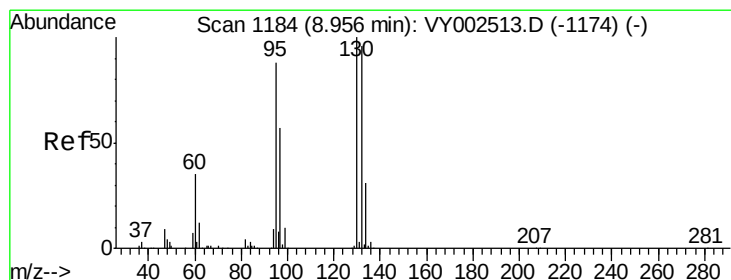
Abundance

Ion 43.00 (42.70 to 43.70): VY002608.D (-1026) (-)

Ion 61.00 (60.70 to 61.70): VY002608.D (-1026) (-)

Ion 87.00 (86.70 to 87.70): VY002608.D (-1026) (-)

Time-->



#44

Trichloroethene

Concen: 5.836 ug/l

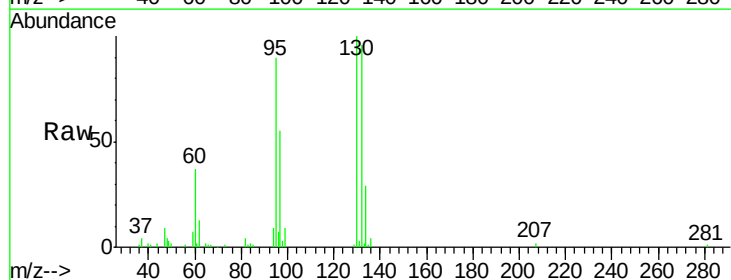
RT: 8.96 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

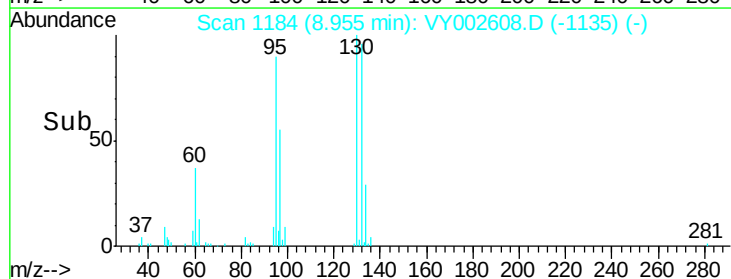
Tgt Ion:	130	Resp:	24147
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	175.8



Abundance Ion 129.80 (129.50 to 130.50): VY002608.D (-1135) (-)

Ion 94.90 (94.60 to 95.60): VY002608.D (-1135) (-)

Time-->

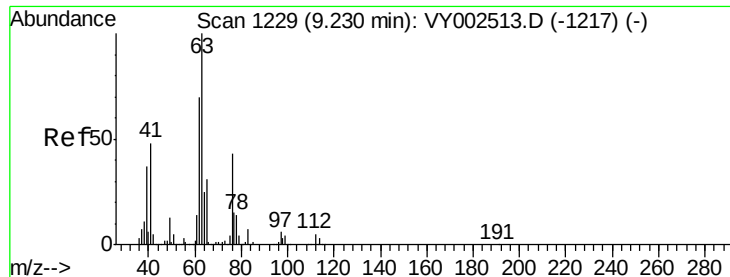


Abundance

Ion 129.80 (129.50 to 130.50): VY002608.D (-1135) (-)

Ion 94.90 (94.60 to 95.60): VY002608.D (-1135) (-)

Time-->



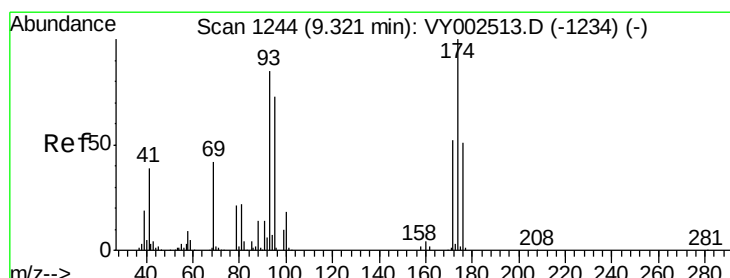
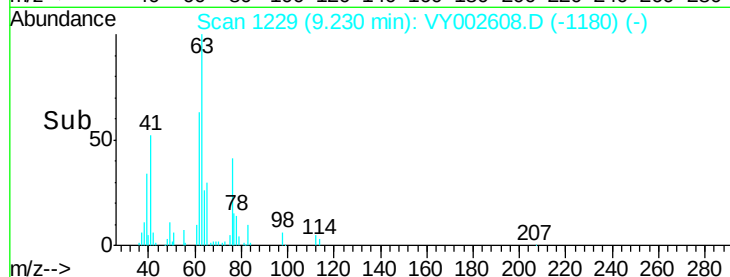
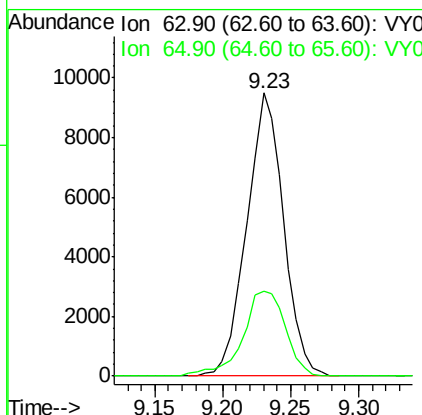
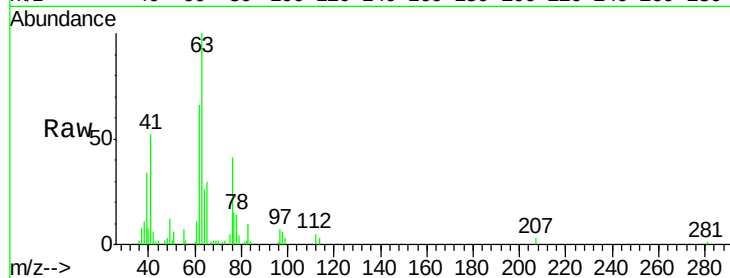
#45
 1,2-Dichloropropane
 Concen: 5.629 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.5	36.7

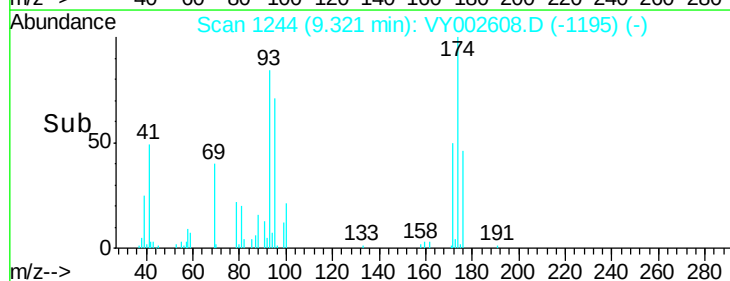
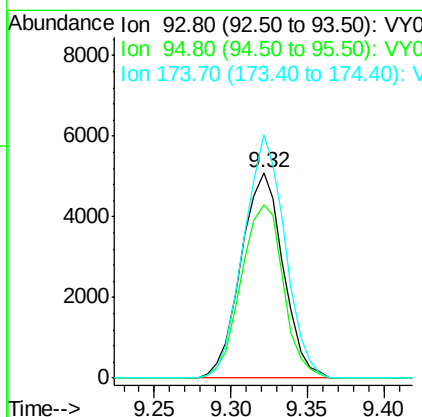
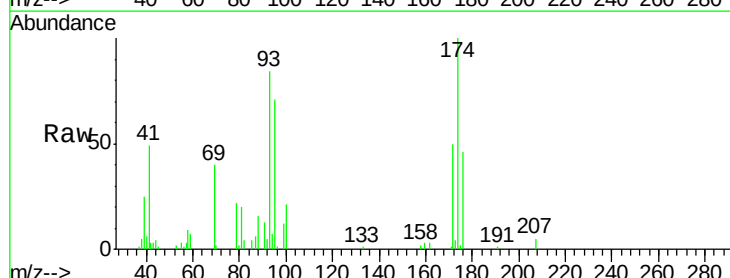
Manual Integrations
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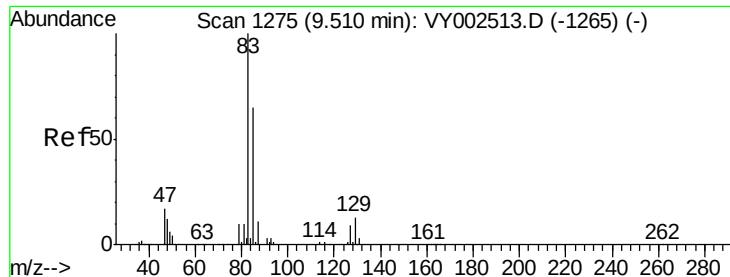
MMDadoda
 5/7/2020 10:35:30 AM



#46
 Dibromomethane
 Concen: 5.326 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.0	100.4
174	115.2	92.7	139.1





#47

Bromodichloromethane

Concen: 5.434 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

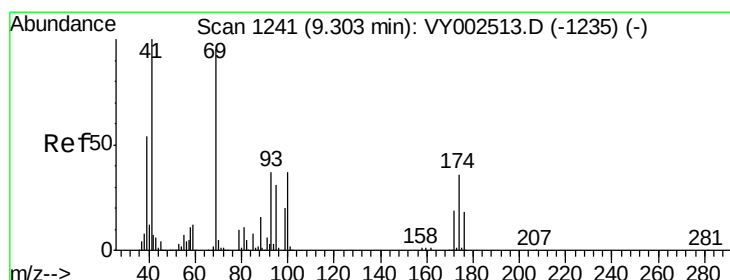
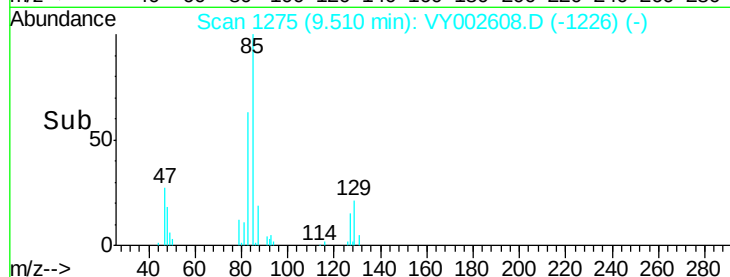
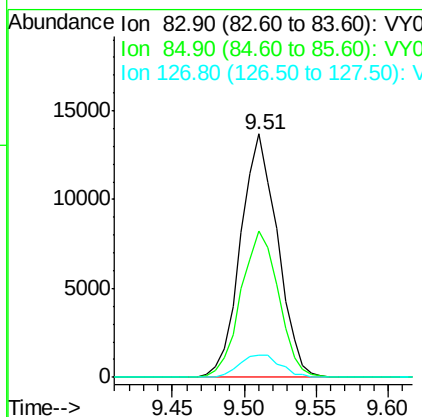
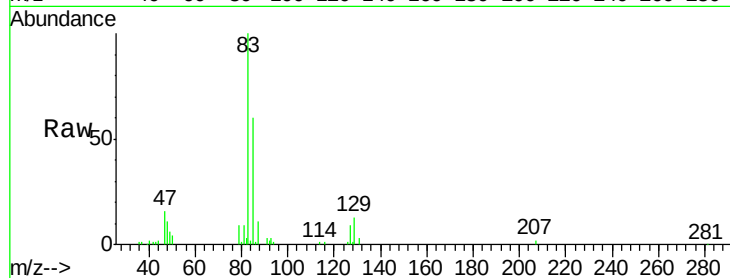
ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:	83	Resp:	24293
Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.8	77.8
127	9.0	7.4	11.0

Manual Integrations
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MMDadoda
5/7/2020 10:35:30 AM



#48

Methyl methacrylate

Concen: 5.089 ug/l

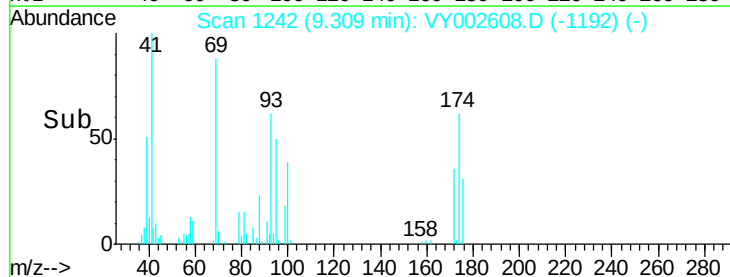
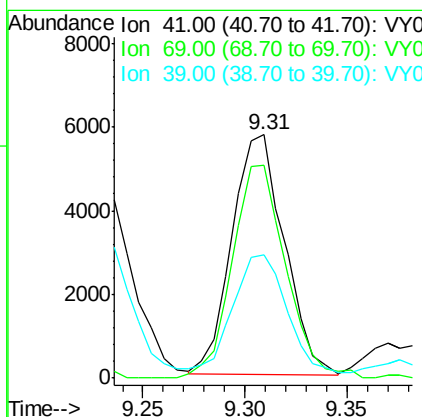
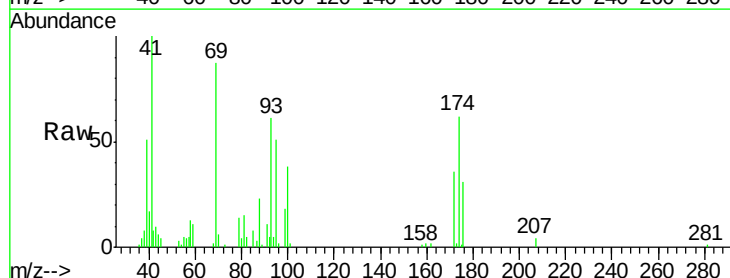
RT: 9.31 min Scan# 1242

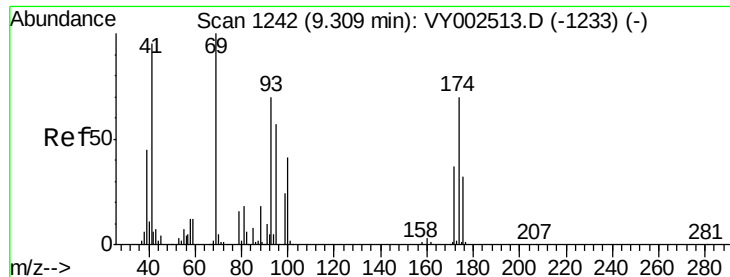
Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Tgt Ion:	41	Resp:	10170
Ion	Ratio	Lower	Upper
41	100		
69	91.3	76.2	114.4
39	51.4	42.7	64.1





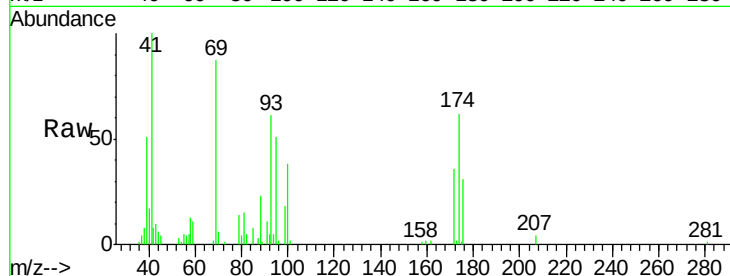
#49
1,4-Dioxane
Concen: 102.621 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

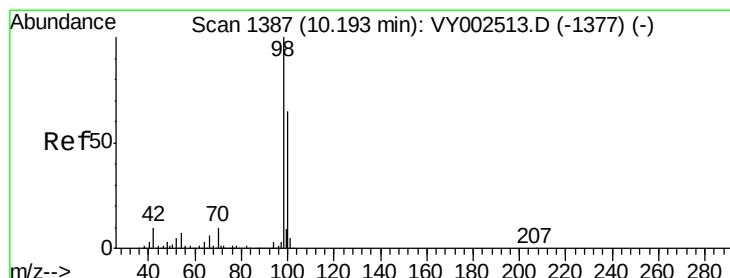
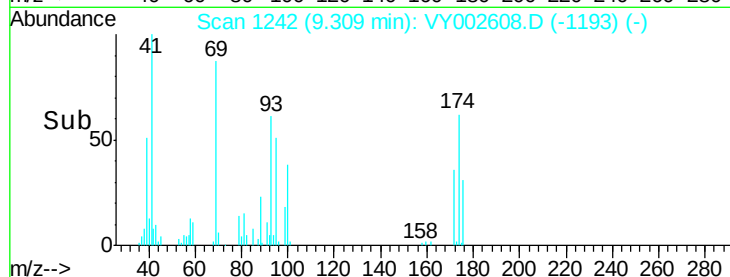
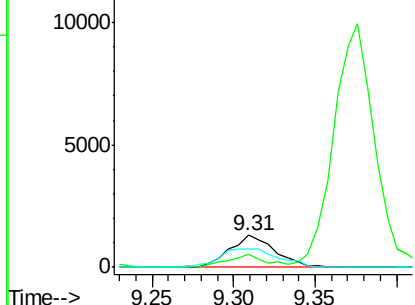
Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	22.8	34.2#
58	75.8	51.4	77.2

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MMDadoda
5/7/2020 10:35:30 AM

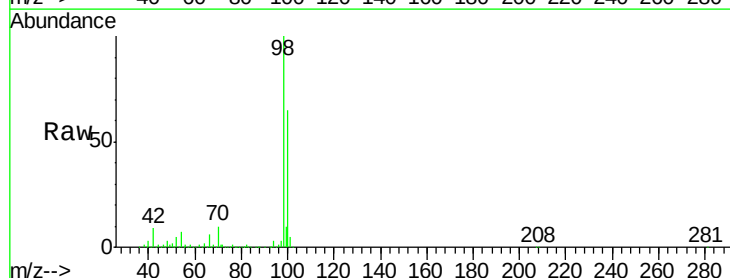


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

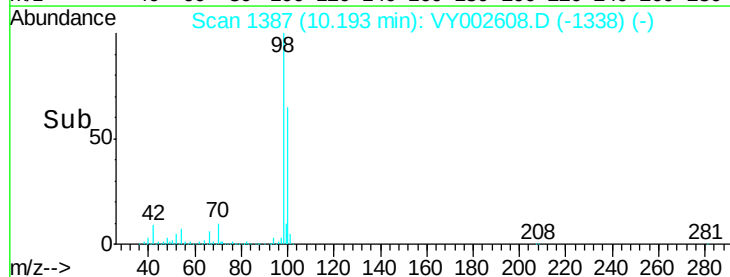
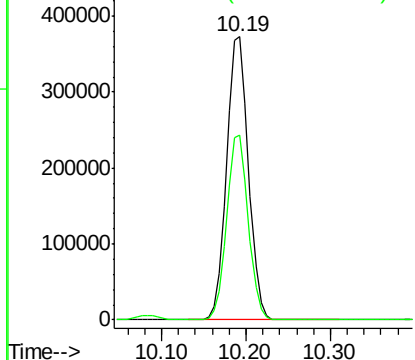


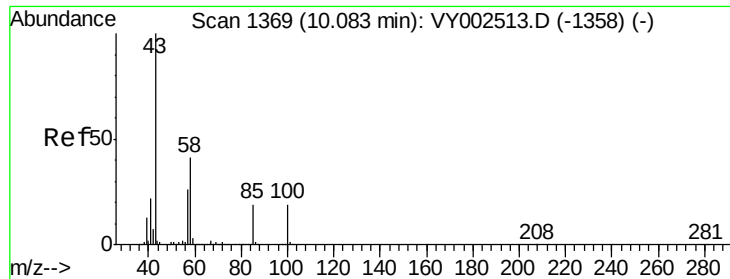
#50
Toluene-d8
Concen: 53.775 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





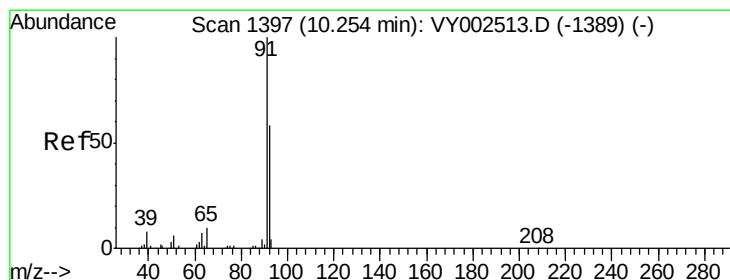
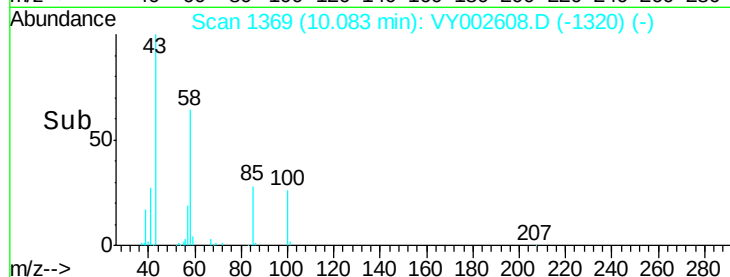
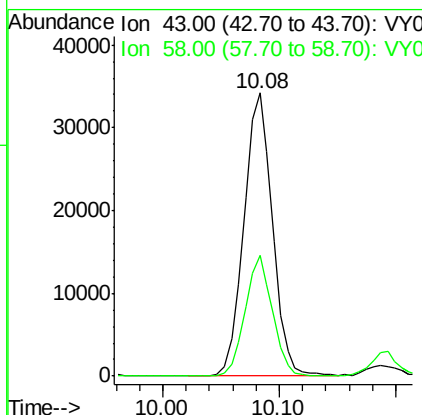
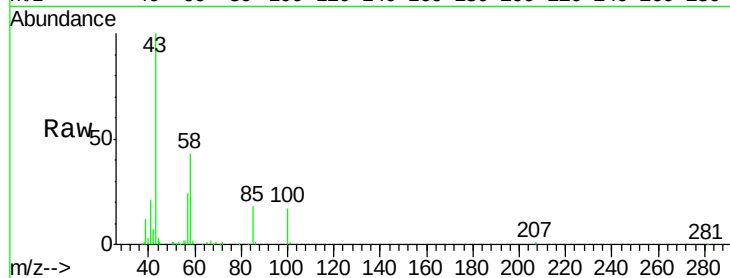
#51
4-Methyl-2-Pentanone
Concen: 25.711 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	33.2	49.8

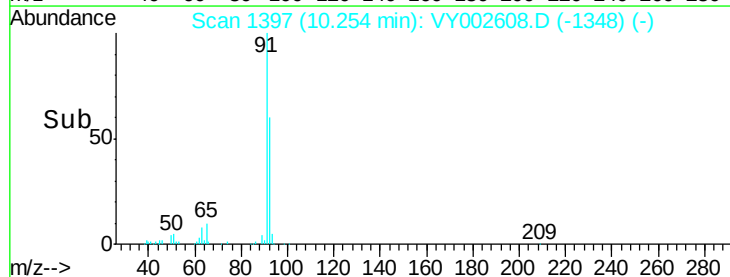
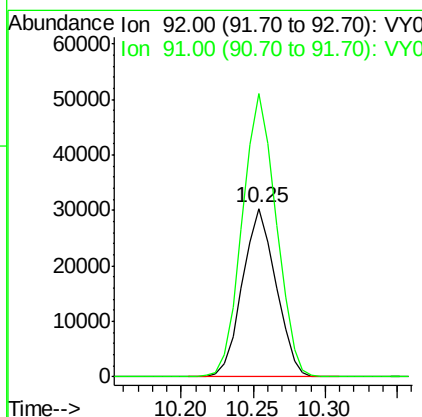
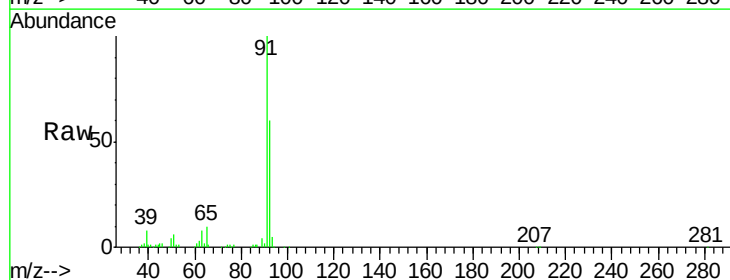
Manual Integrations
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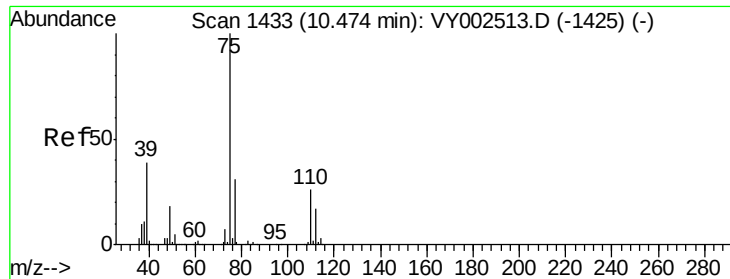
MMDadoda
5/7/2020 10:35:30 AM



#52
Toluene
Concen: 5.753 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.5	139.3	208.9





#53

t-1,3-Dichloropropene

Concen: 5.170 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion: 75 Resp: 24215

Ion Ratio Lower Upper

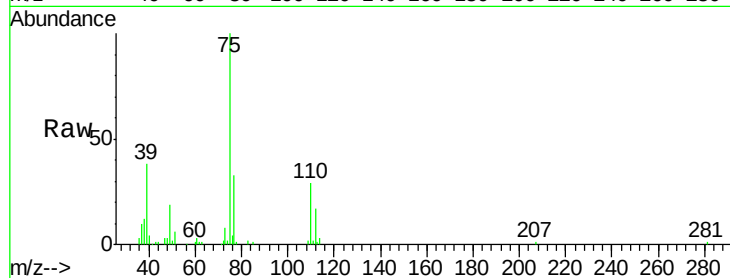
75 100

77 33.2 25.0 37.6

Manual Integrations
APPROVED

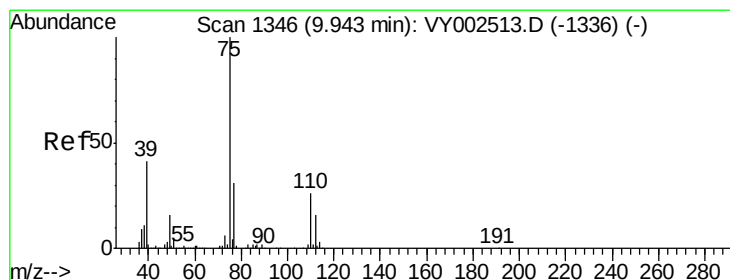
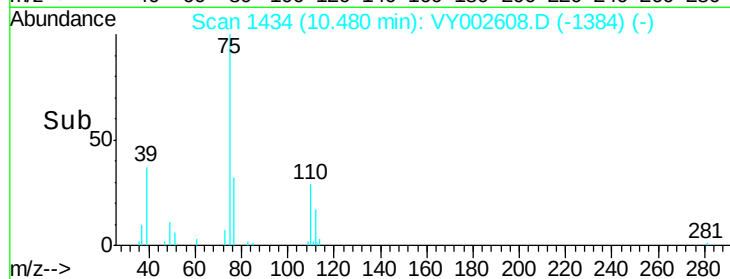
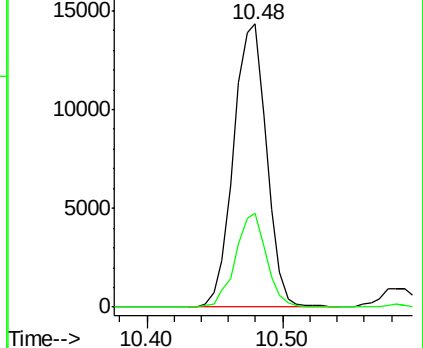
MMDadoda

5/7/2020 10:35:30 AM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 5.450 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

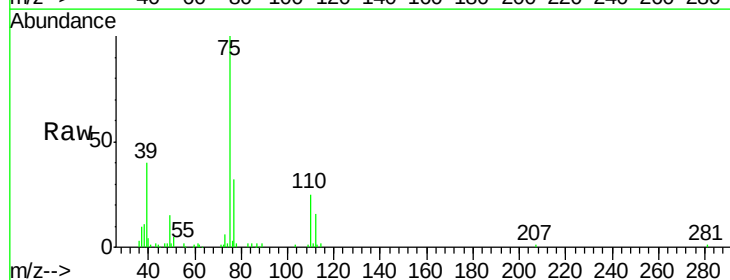
Tgt Ion: 75 Resp: 29509

Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

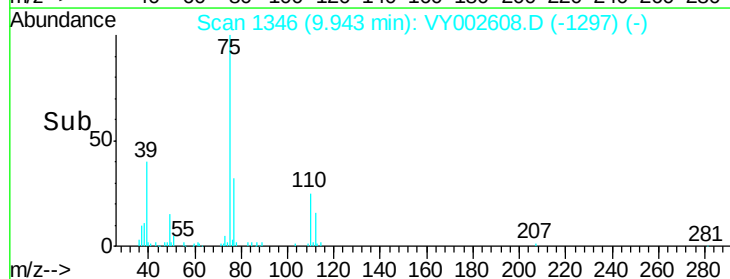
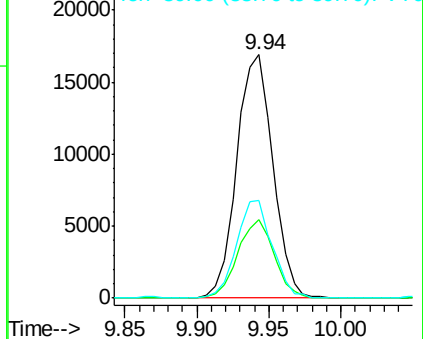
39 40.4 32.7 49.1

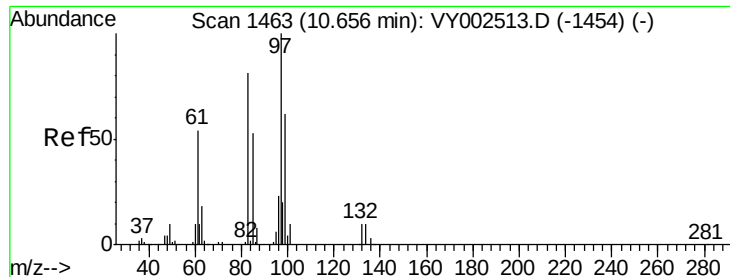


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





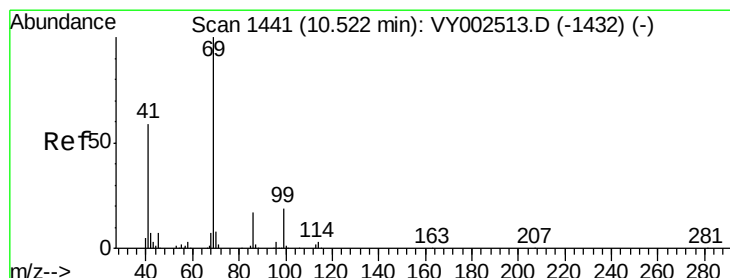
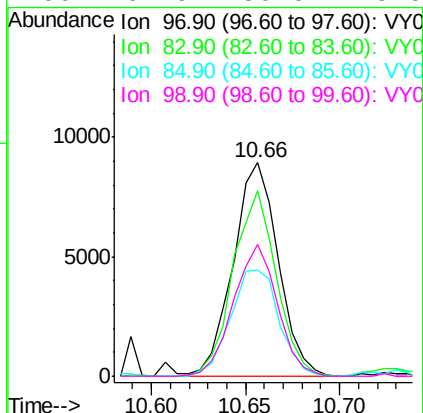
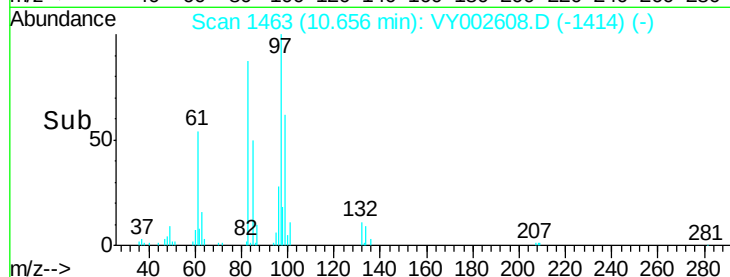
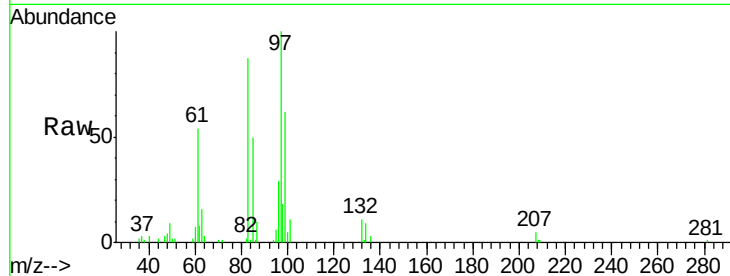
#55
 1,1,2-Trichloroethane
 Concen: 5.514 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion:	97	Resp:	14784
Ion	Ratio	Lower	Upper
97	100		
83	86.8	65.1	97.7
85	50.0	42.7	64.1
99	61.9	50.0	75.0

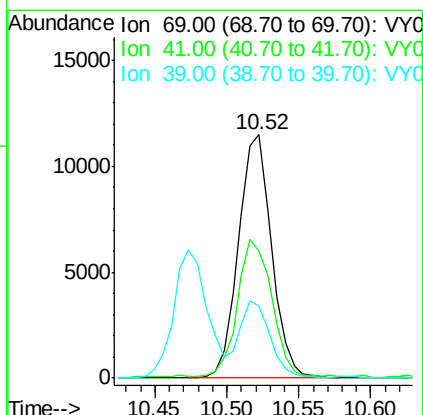
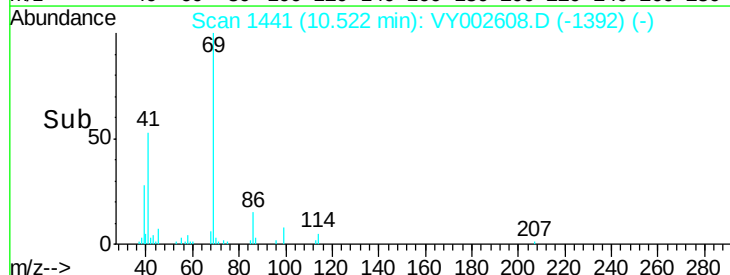
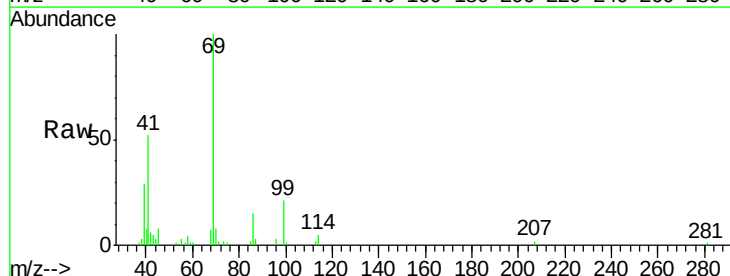
Manual Integrations
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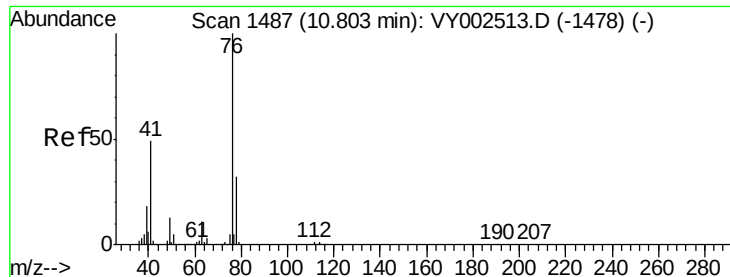
MMDadoda
 5/7/2020 10:35:30 AM



#56
 Ethyl methacrylate
 Concen: 5.153 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Tgt Ion:	69	Resp:	18377
Ion	Ratio	Lower	Upper
69	100		
41	60.5	48.6	73.0
39	29.8	25.0	37.4





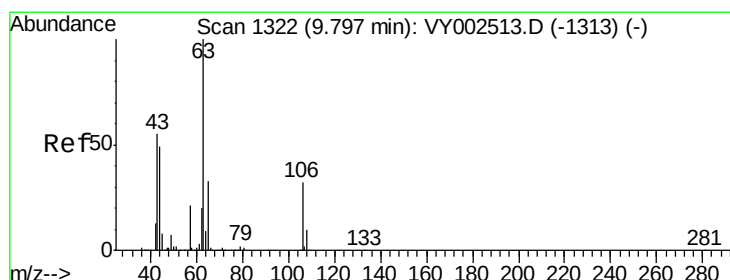
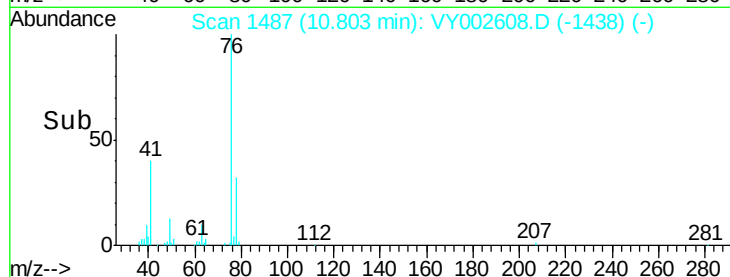
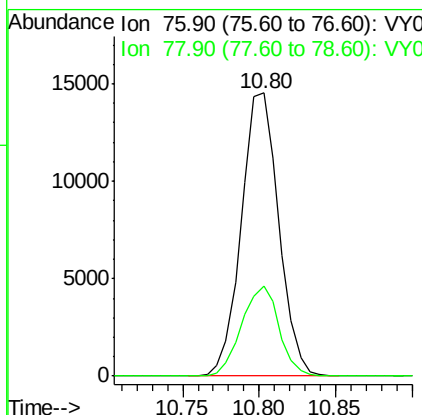
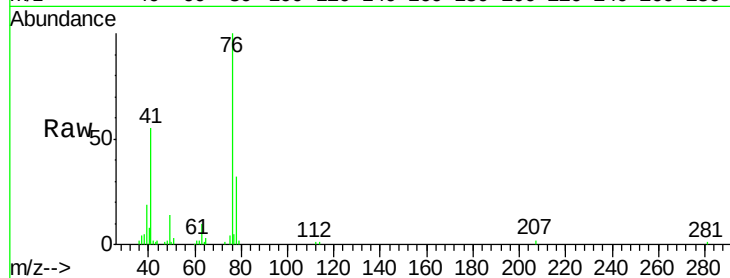
#57
 1,3-Dichloropropane
 Concen: 5.446 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.4	38.2

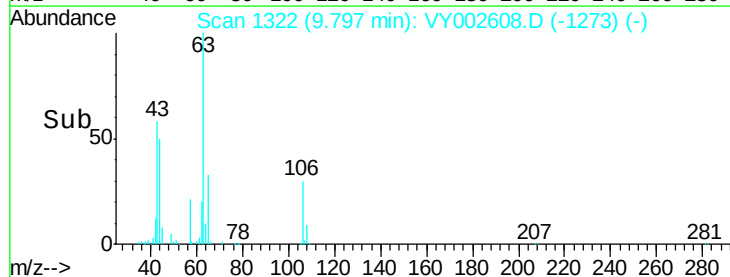
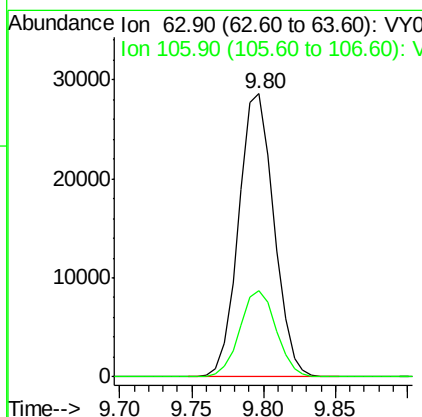
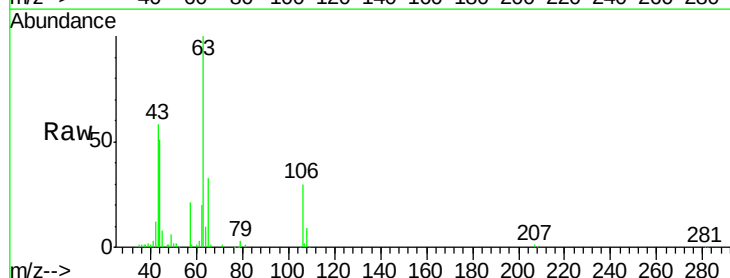
Manual Integrations
 APPROVED

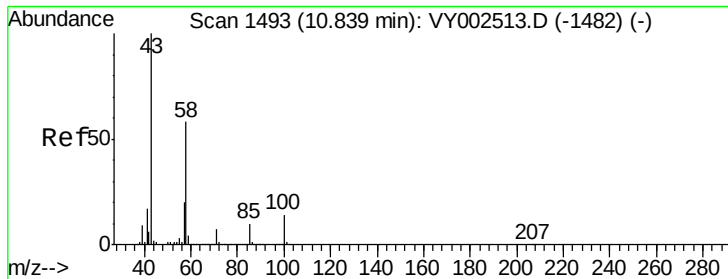
MMDadoda
 5/7/2020 10:35:30 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.815 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.2	25.2	37.8





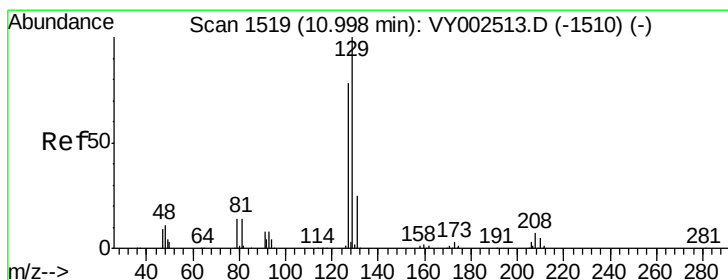
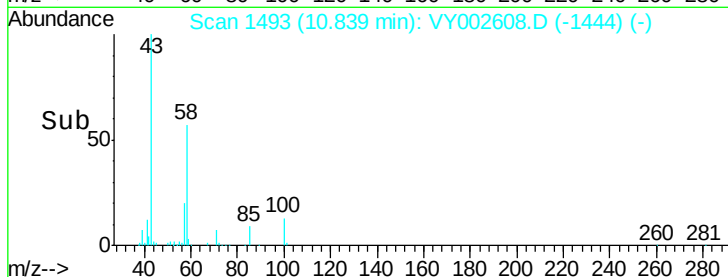
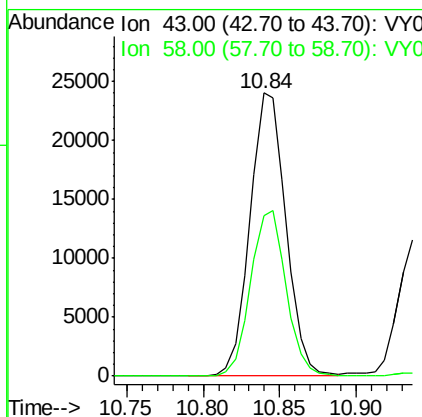
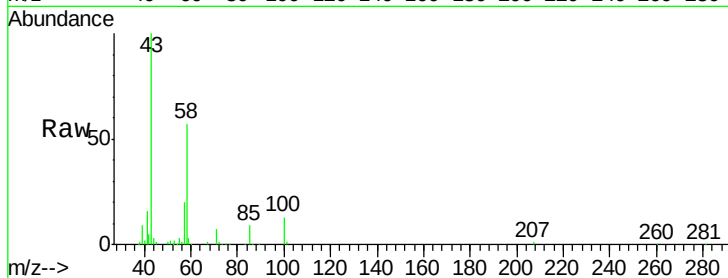
#59
2-Hexanone
Concen: 25.077 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.2	29.1	87.3

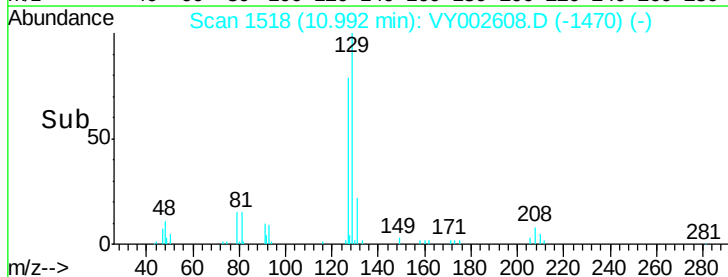
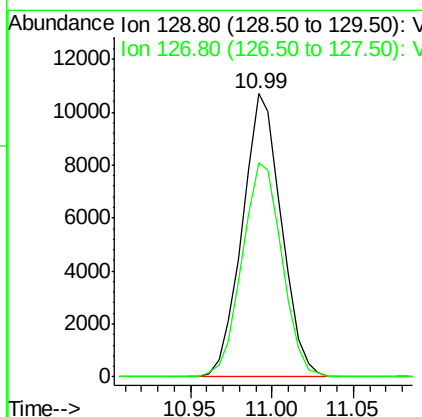
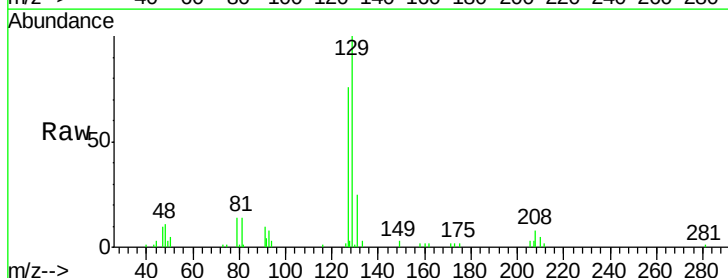
Manual Integrations
APPROVED

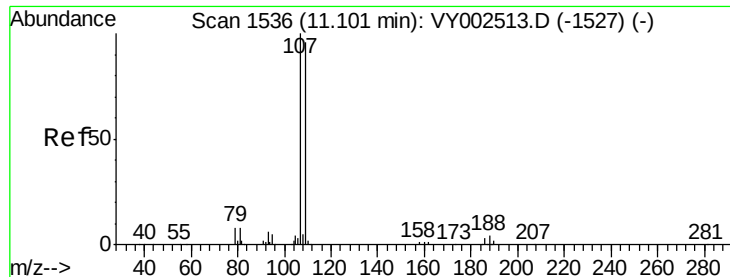
MMDadoda
5/7/2020 10:35:30 AM



#60
Dibromochloromethane
Concen: 5.216 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.0	117.0





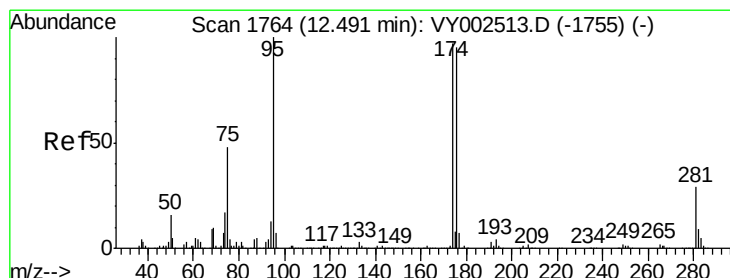
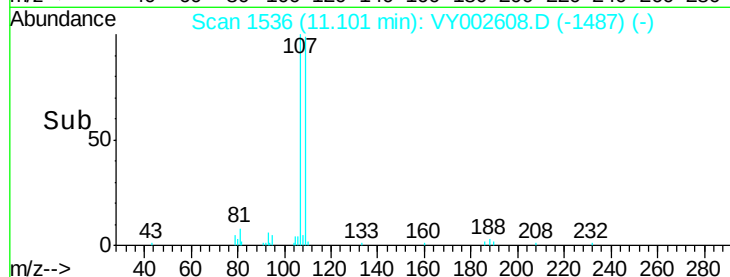
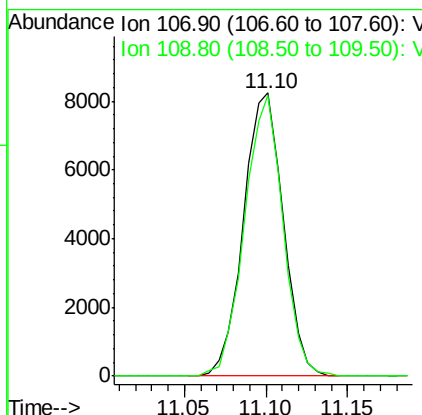
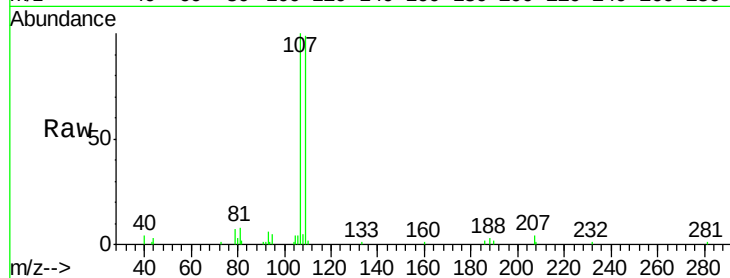
#61
 1,2-Dibromoethane
 Concen: 5.273 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.8	113.8

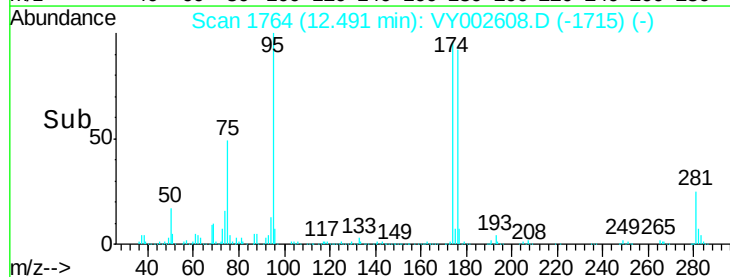
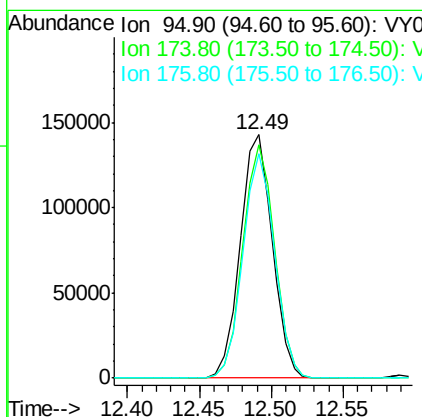
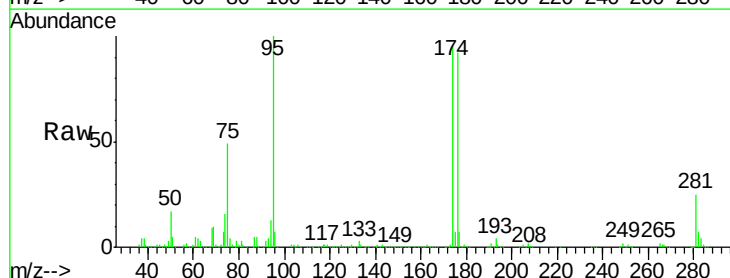
Manual Integrations
 APPROVED

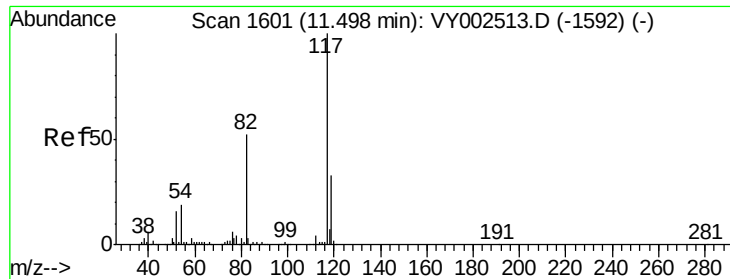
MMDadoda
 5/7/2020 10:35:30 AM



#62
 4-Bromofluorobenzene
 Concen: 53.255 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.6	0.0	188.8
176	90.7	0.0	183.2





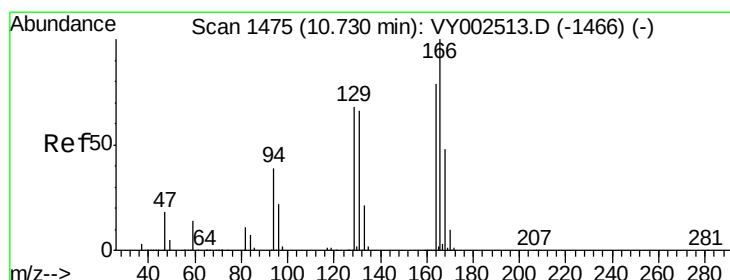
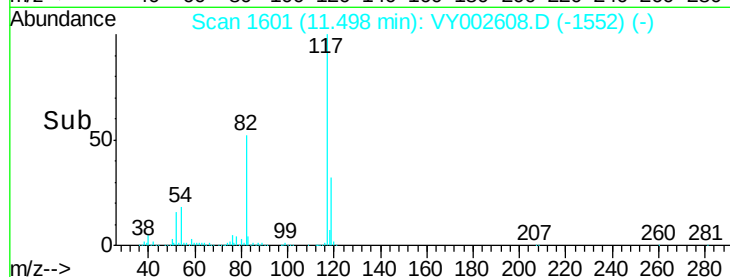
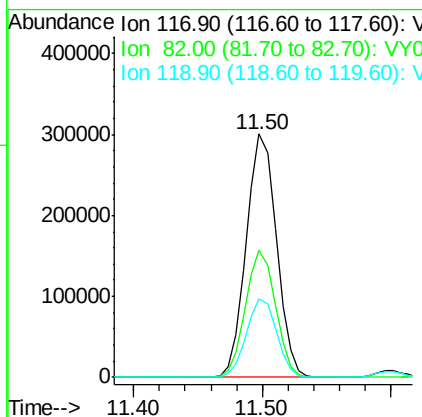
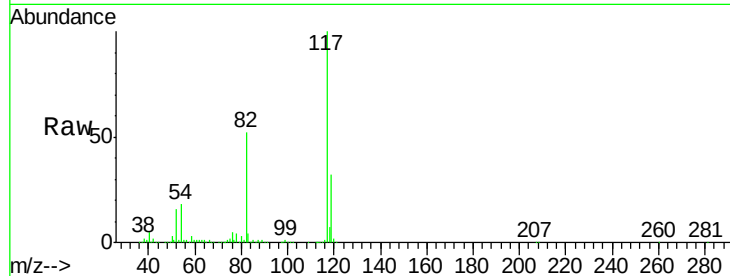
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	487050		
82	52.4		41.3	61.9
119	32.4		26.0	39.0

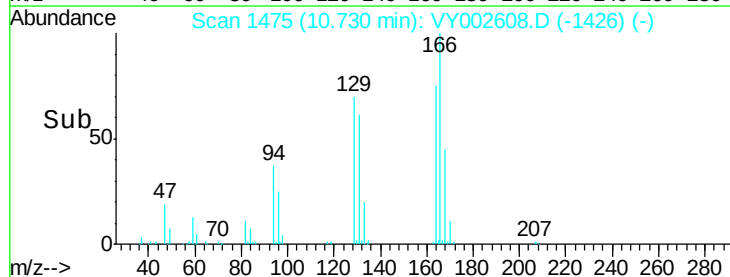
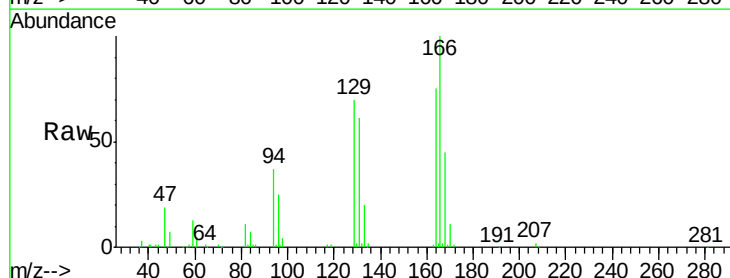
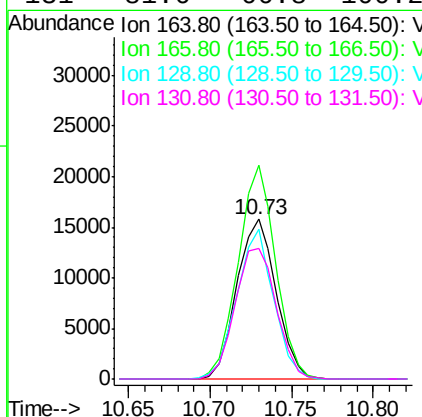
Manual Integrations
APPROVED

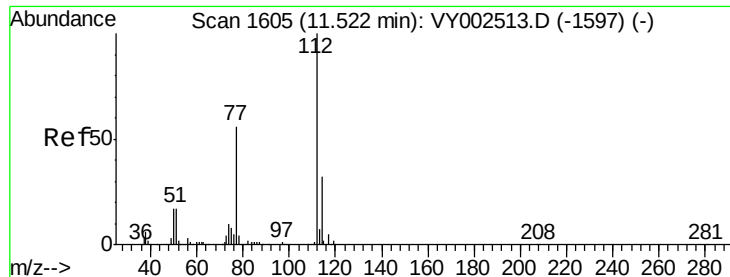
MMDadoda
5/7/2020 10:35:30 AM



#64
Tetrachloroethene
Concen: 6.112 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26451		
166	133.5		100.7	151.1
129	93.6		68.3	102.5
131	81.6		66.8	100.2





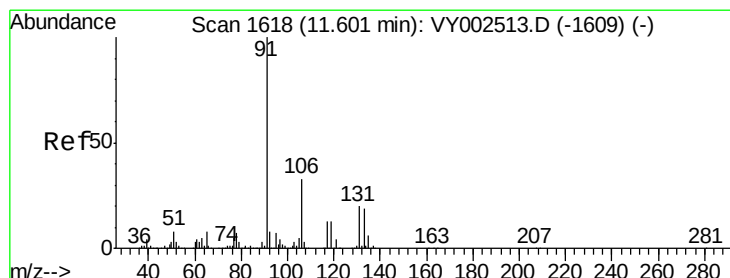
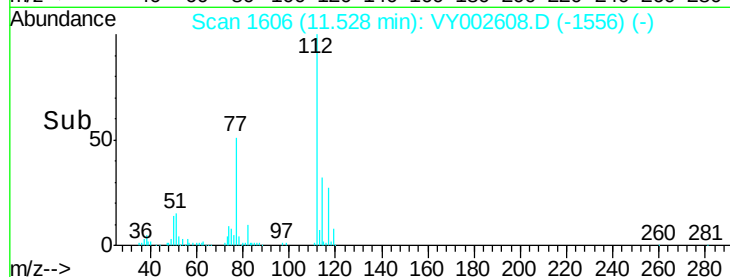
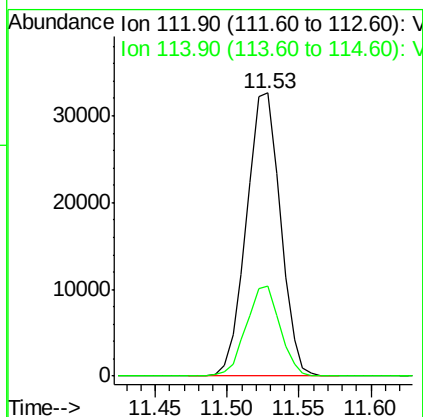
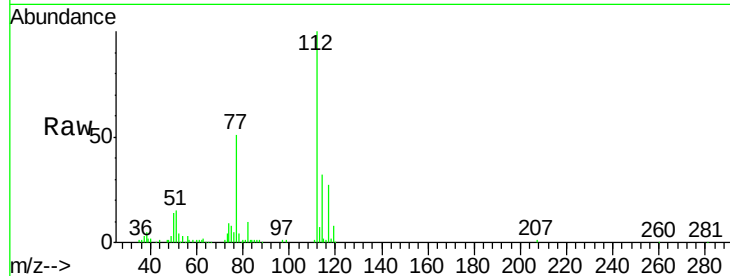
#65
Chlorobenzene
Concen: 5.741 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.6

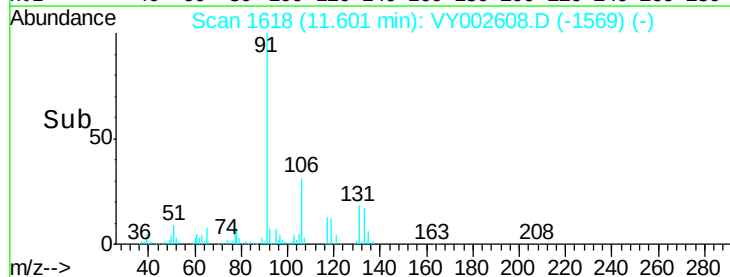
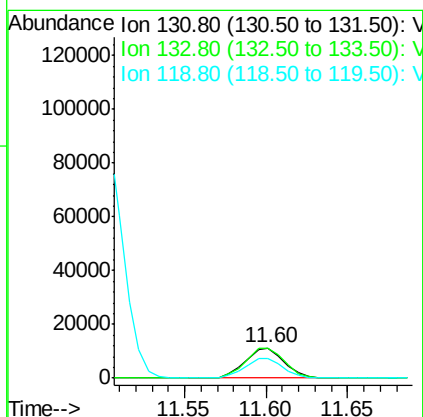
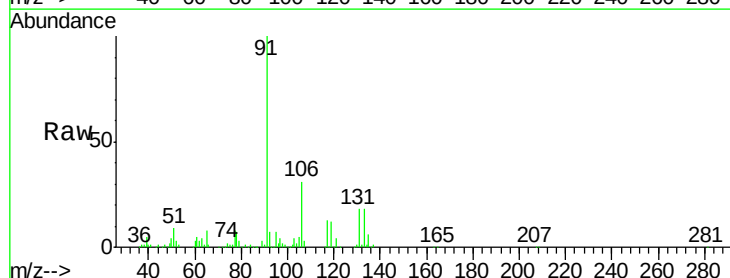
Manual Integrations
APPROVED

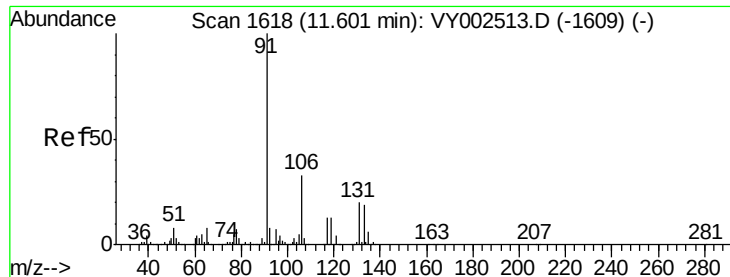
MMDadoda
5/7/2020 10:35:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.400 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	101.2	48.1	144.4
119	65.4	31.6	95.0





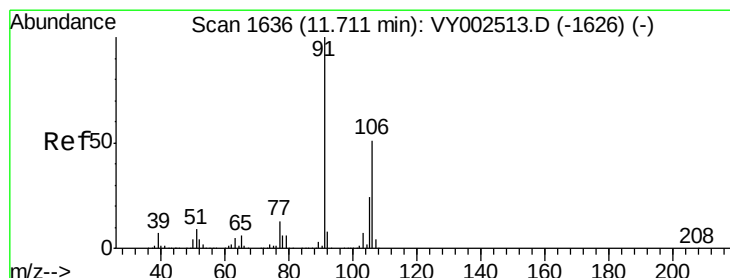
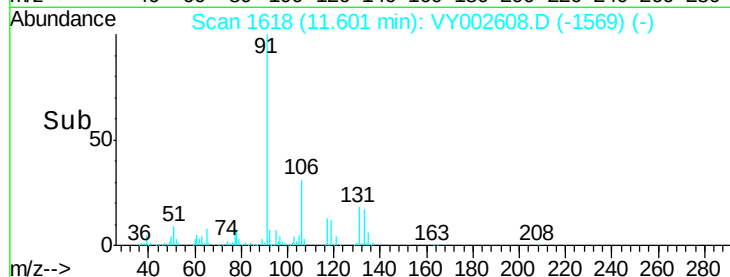
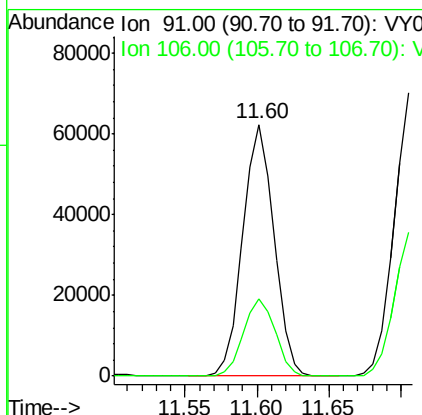
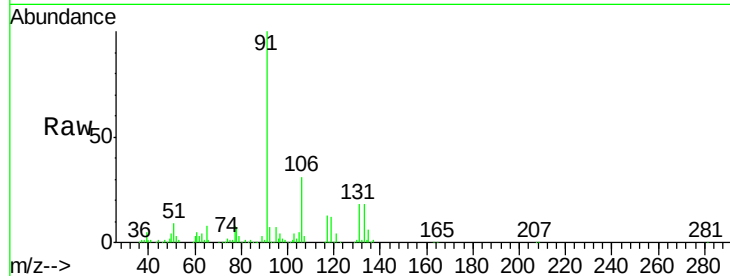
#67
Ethyl Benzene
Concen: 5.762 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	26.1	39.1

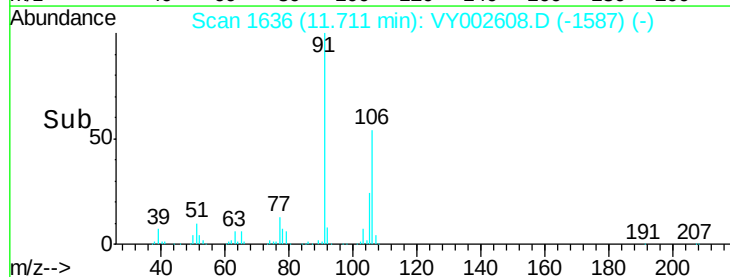
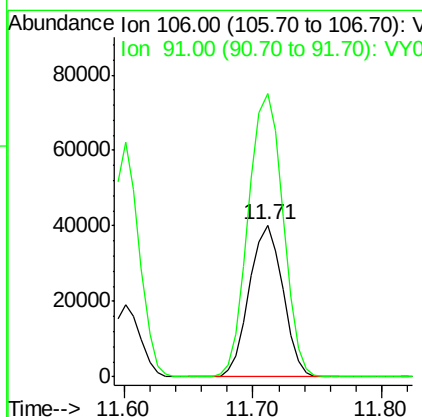
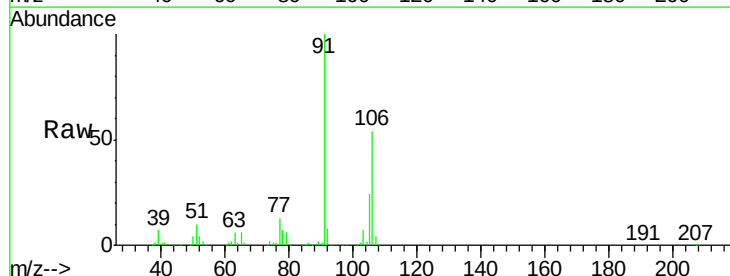
Manual Integrations
APPROVED

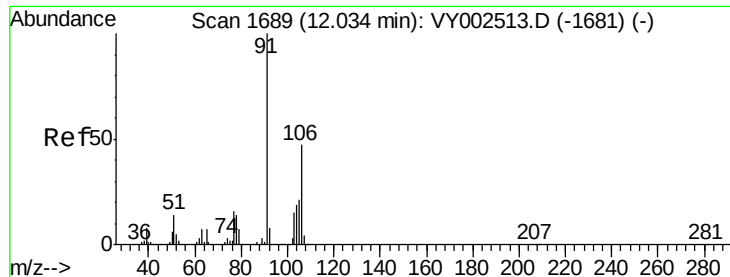
MMDadoda
5/7/2020 10:35:30 AM



#68
m/p-Xylenes
Concen: 11.538 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
106	100		
91	192.5	155.2	232.8





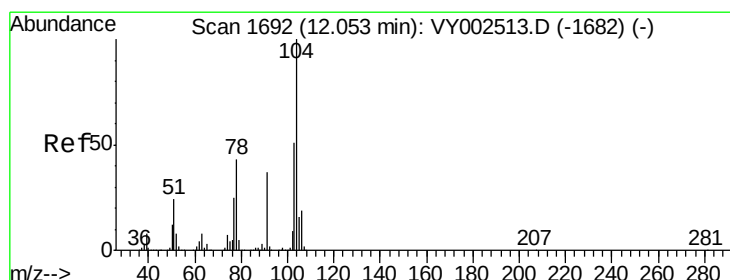
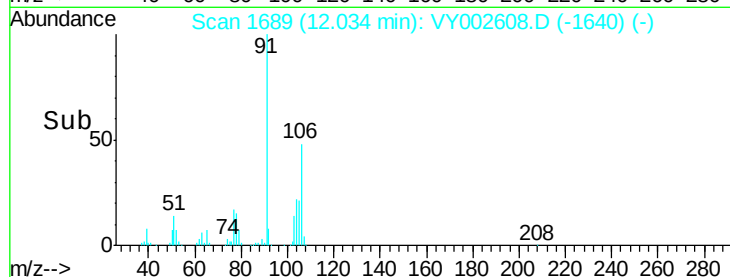
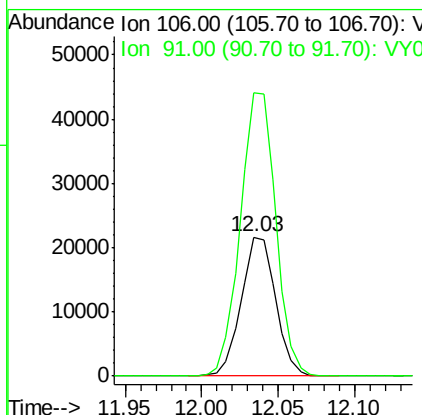
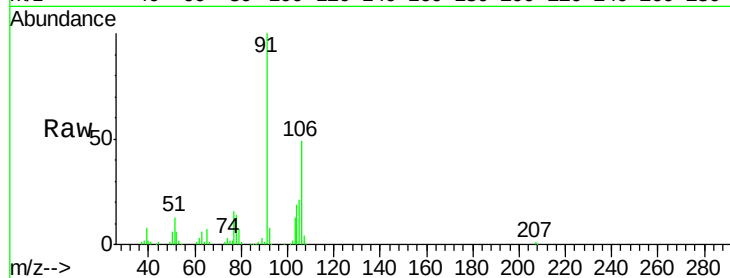
#69
o-Xylene
Concen: 5.749 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		33872		
91	209.2	103.8	311.3		

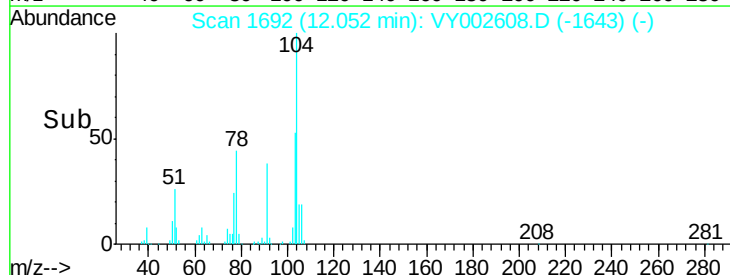
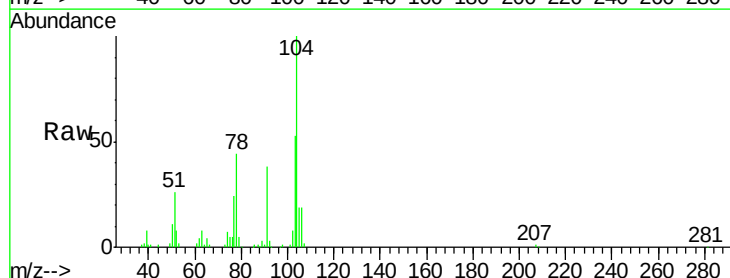
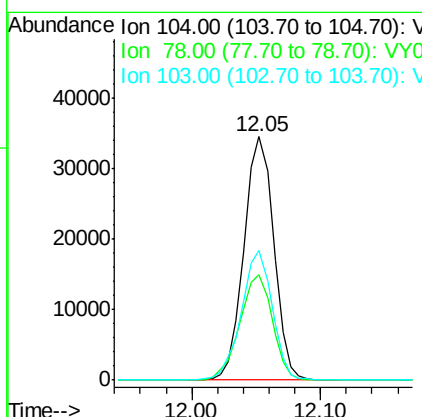
Manual Integrations
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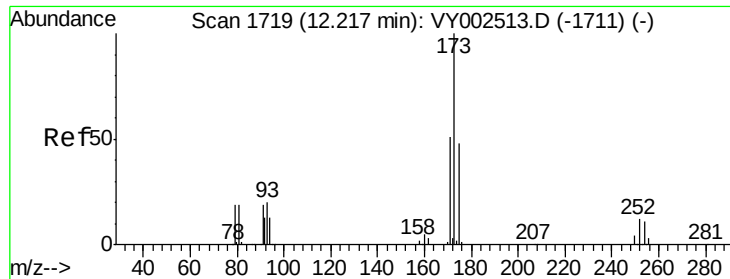
MMDadoda
5/7/2020 10:35:30 AM



#70
Styrene
Concen: 5.491 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		55306		
78	47.1	37.4	56.0		
103	54.9	43.9	65.9		





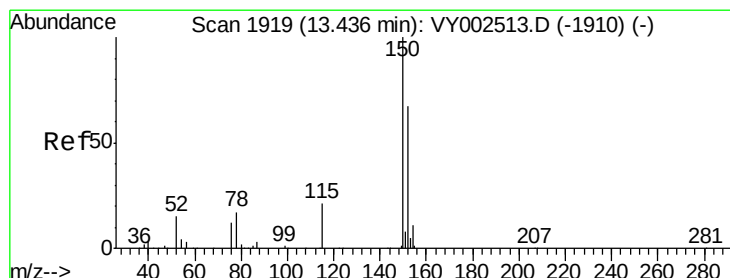
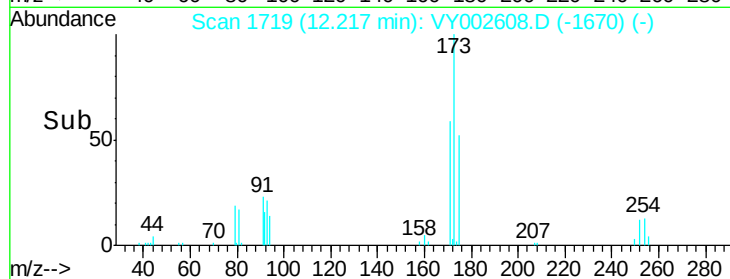
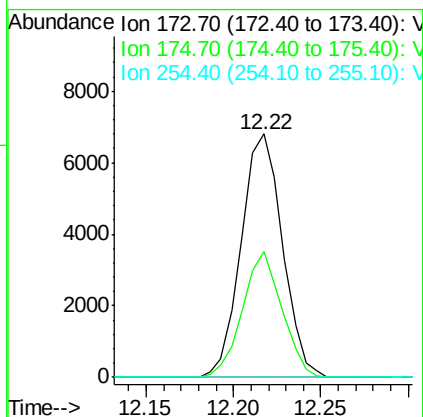
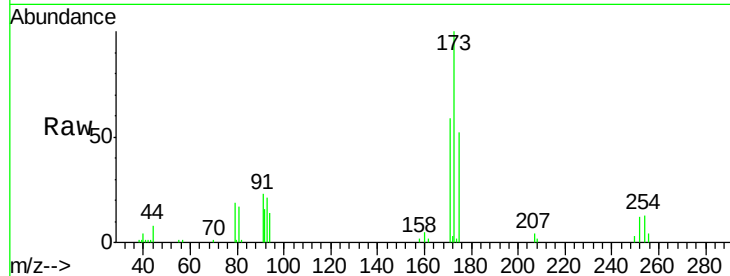
#71
Bromoform
Concen: 5.228 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.3	72.8
254	0.0	0.2	0.2

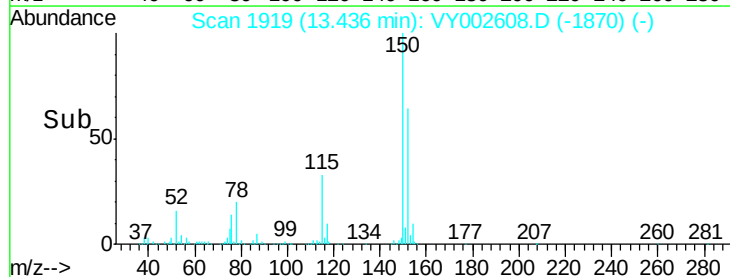
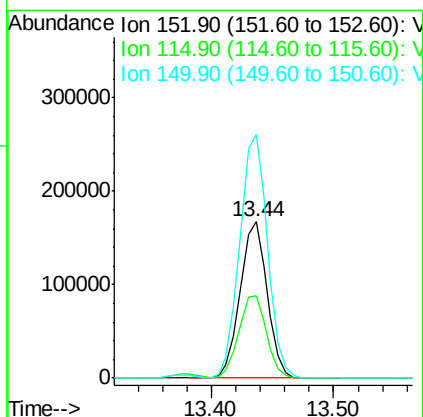
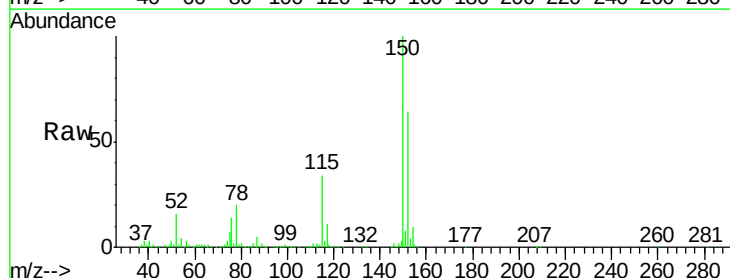
Manual Integrations
APPROVED

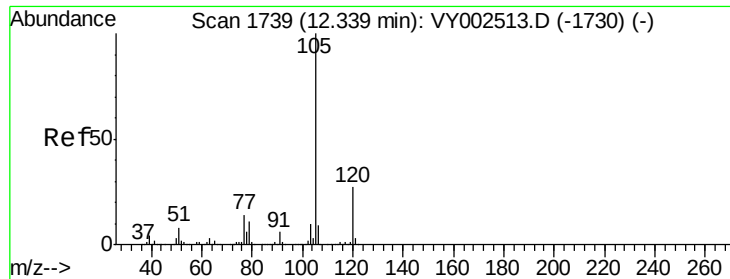
MMDadoda
5/7/2020 10:35:30 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	27.5	82.4
150	160.2	0.0	346.4





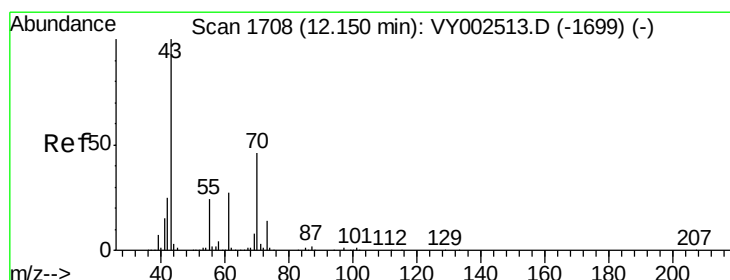
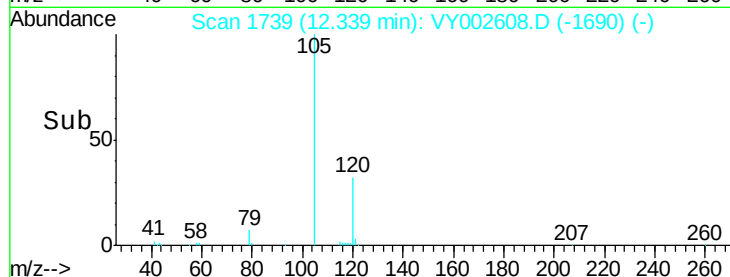
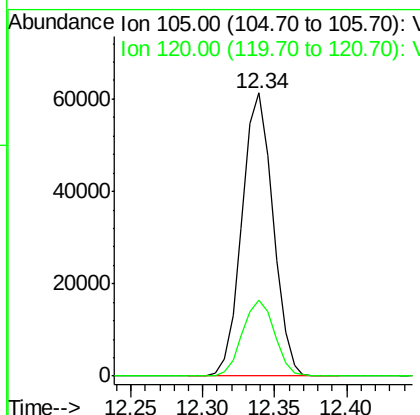
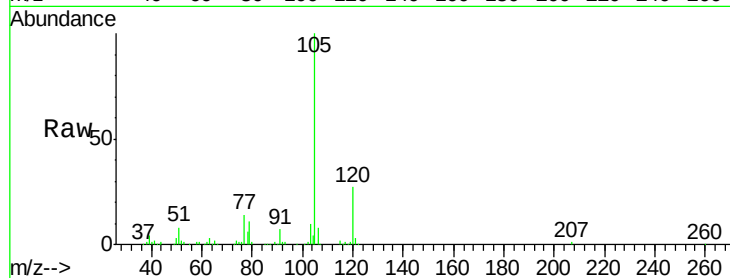
#73
Isopropylbenzene
Concen: 5.555 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.8	41.3

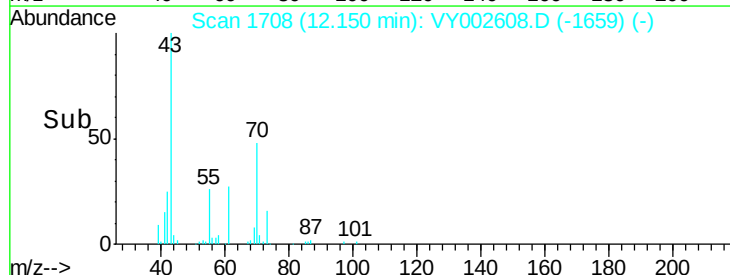
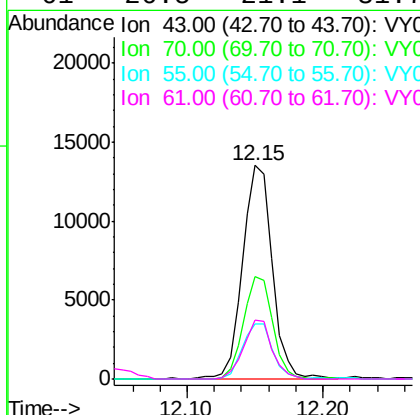
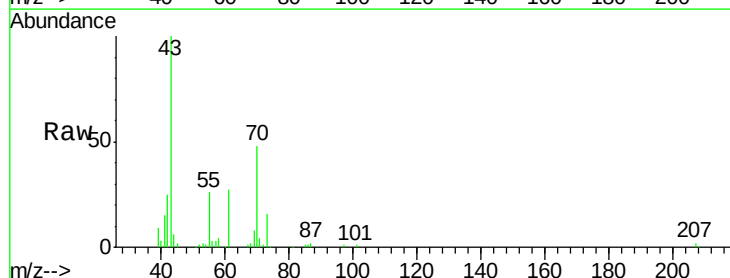
Manual Integrations
APPROVED

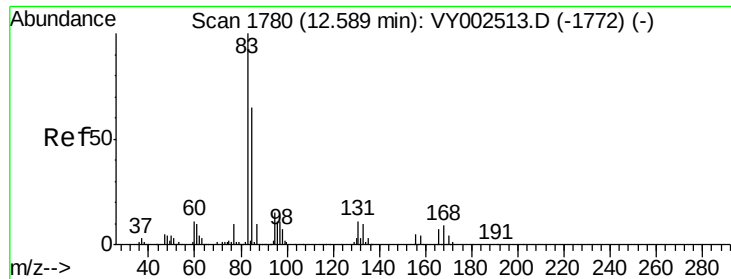
MMDadoda
5/7/2020 10:35:30 AM



#74
N-ethyl acetate
Concen: 5.186 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.9	36.7	55.1
55	26.2	19.2	28.8
61	26.5	21.1	31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 5.023 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

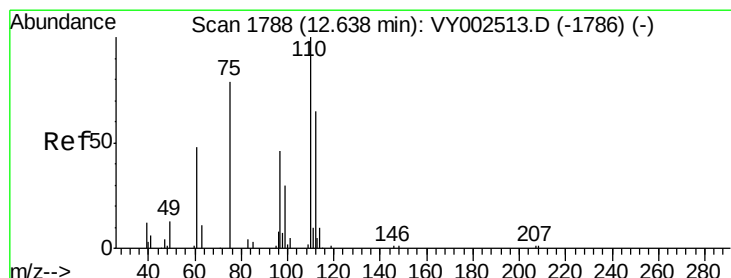
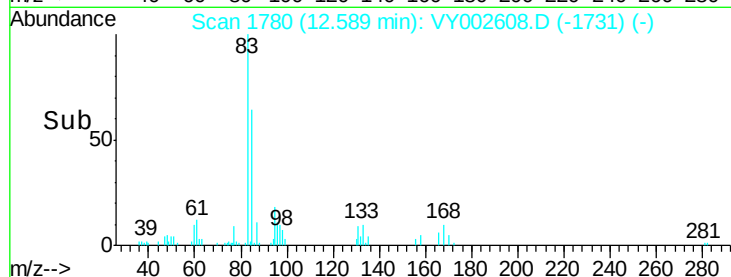
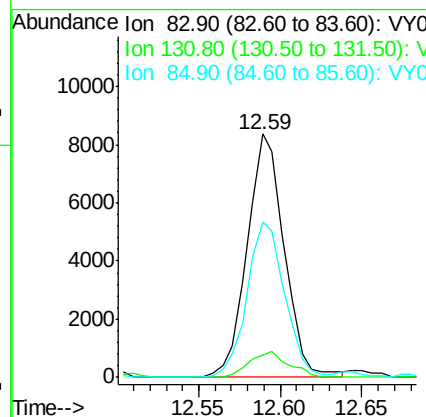
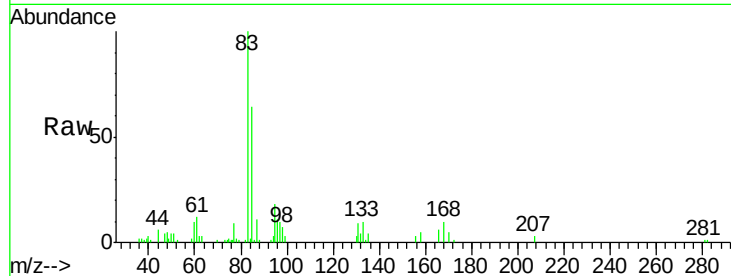
ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:	83	Resp:	13233
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.9	17.8
85	64.9	31.9	95.9

Manual Integrations
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MMDadoda
5/7/2020 10:35:30 AM



#76

1,2,3-Trichloropropane

Concen: 5.437 ug/l m

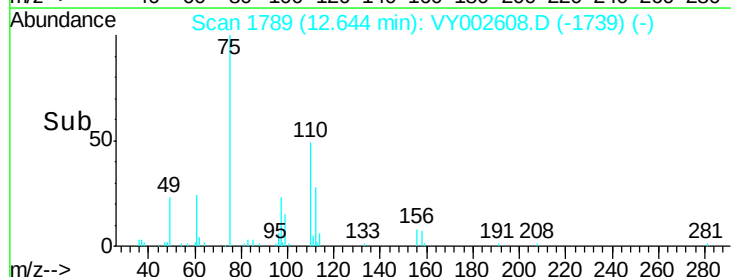
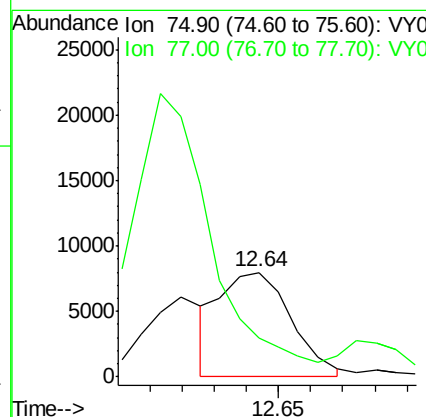
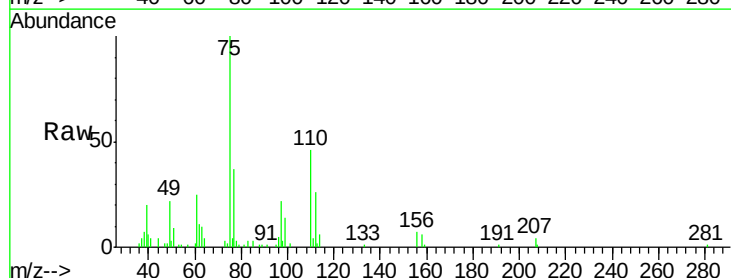
RT: 12.64 min Scan# 1789

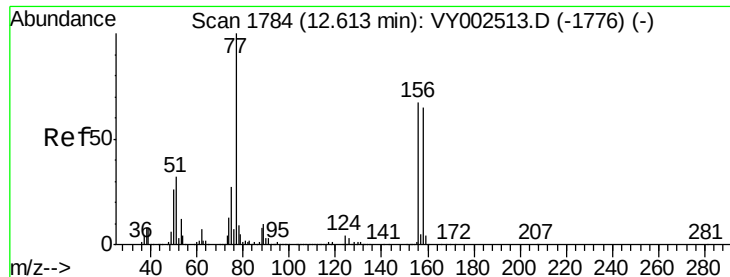
Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Tgt Ion:	75	Resp:	12350
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.513 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

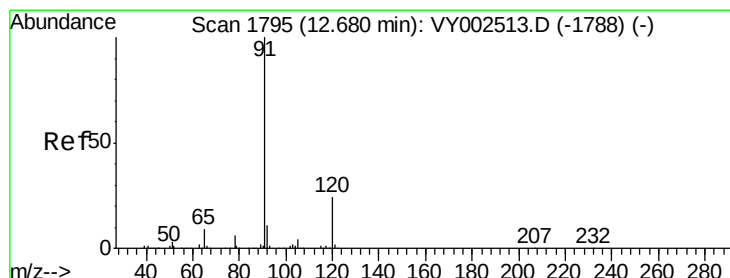
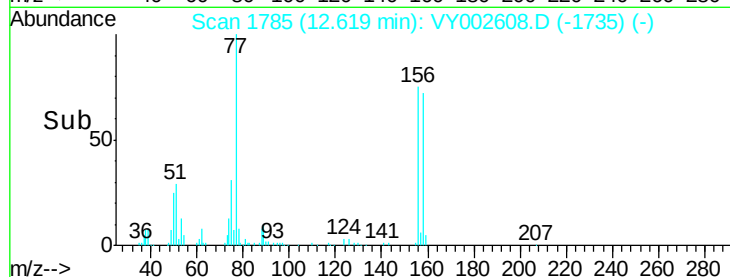
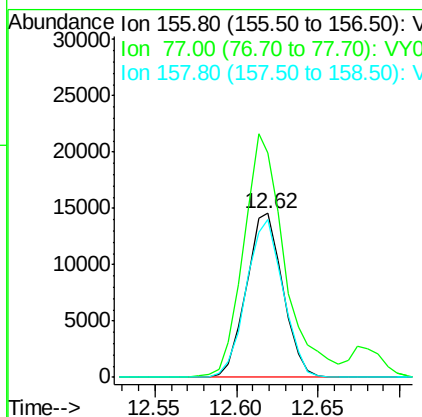
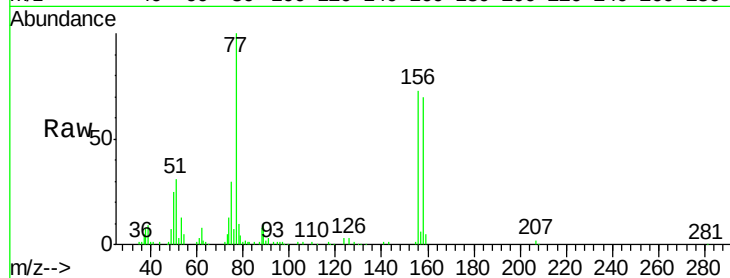
ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:	156	Resp:	22814
Ion Ratio	Lower	Upper	
156	100		
77	166.0	82.0	245.8
158	96.6	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 5.596 ug/l

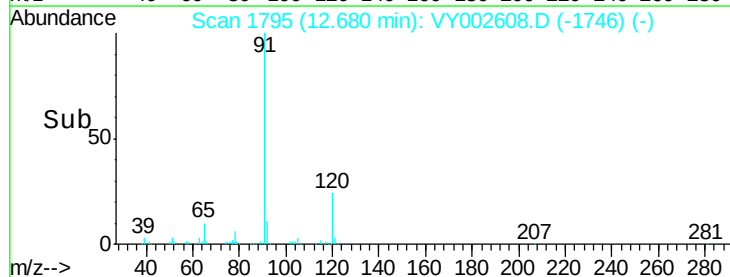
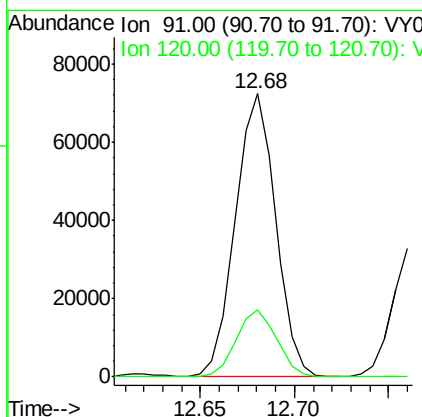
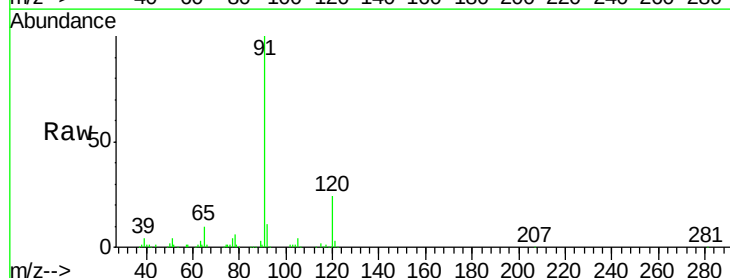
RT: 12.68 min Scan# 1795

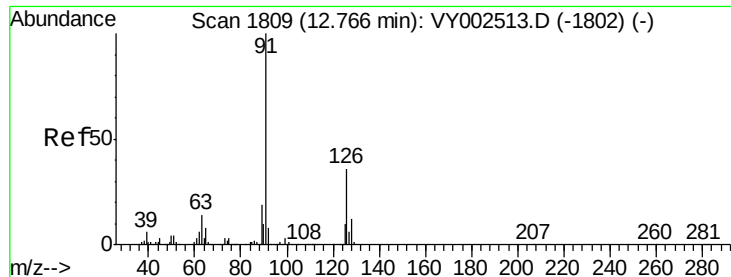
Delta R.T. -0.00 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Tgt Ion:	91	Resp:	107575
Ion Ratio	Lower	Upper	
91	100		
120	23.6	12.2	36.4





#79

2-Chlorotoluene

Concen: 5.636 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion: 91 Resp: 60014

Ion Ratio Lower Upper

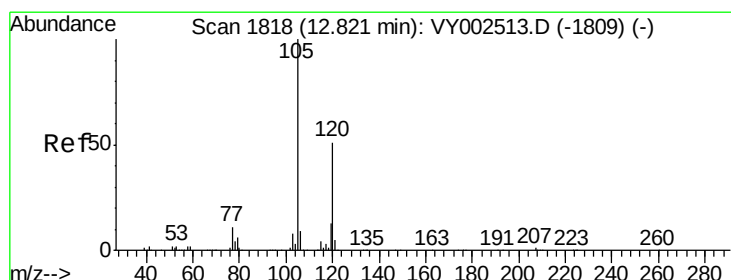
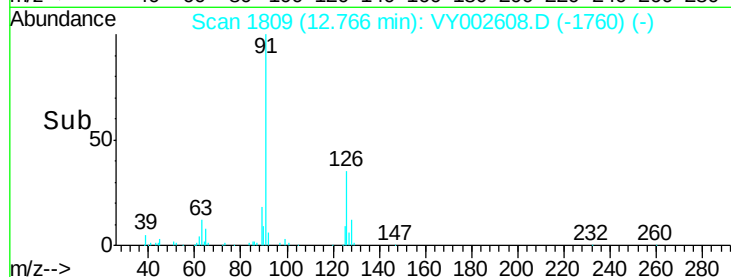
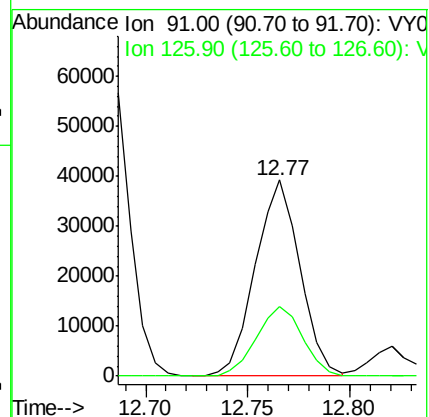
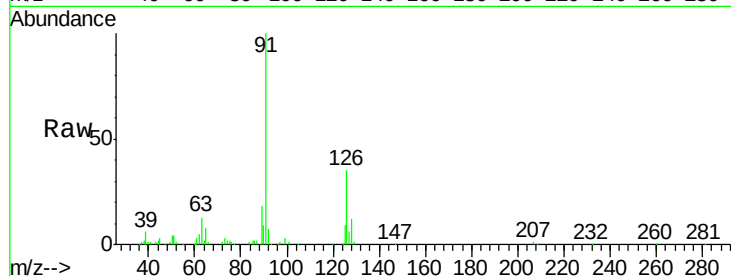
91 100

126 36.5 18.4 55.2

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 5.434 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002608.D

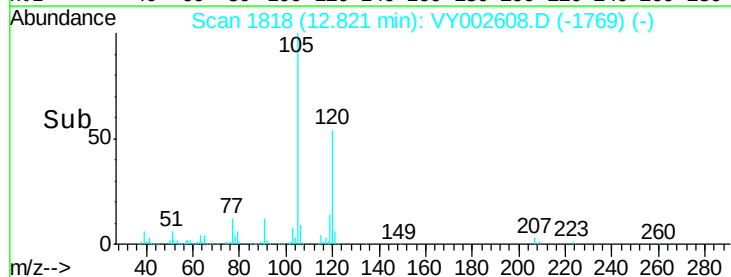
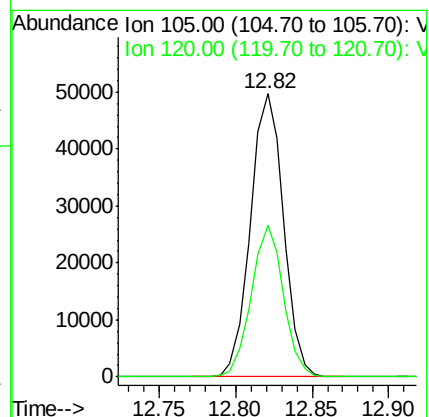
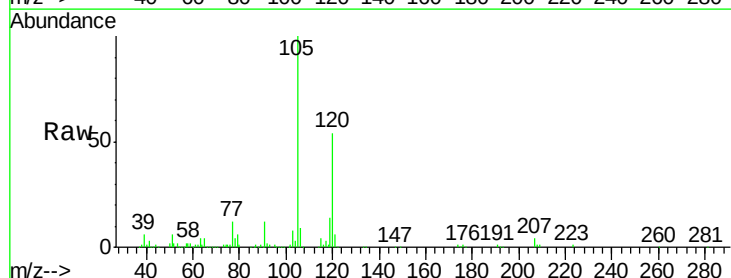
Acq: 06 May 2020 12:25

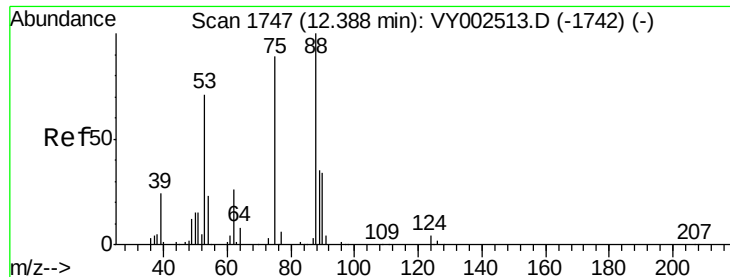
Tgt Ion: 105 Resp: 74616

Ion Ratio Lower Upper

105 100

120 52.0 25.3 75.9





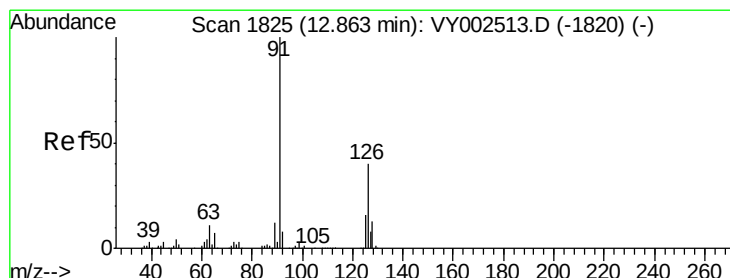
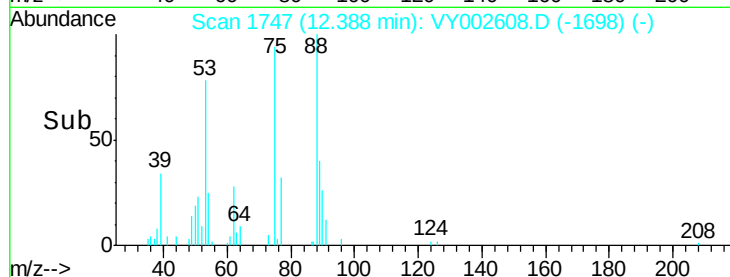
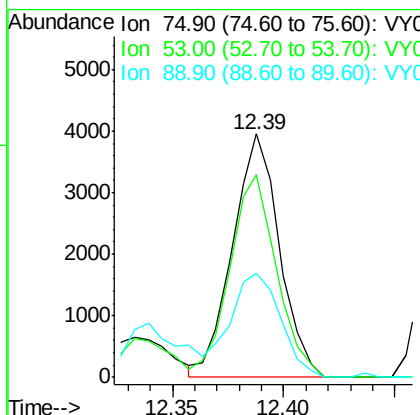
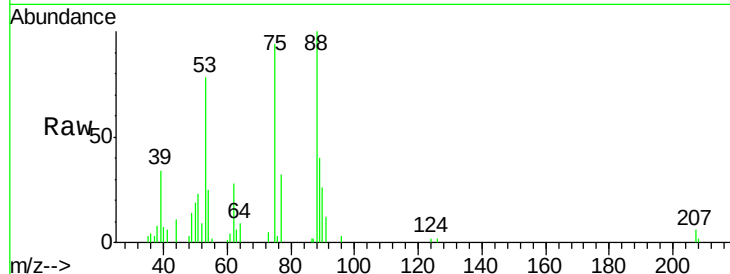
#81
trans-1,4-Dichloro-2-butene
Concen: 5.089 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.2	67.4	101.0
89	46.5	37.4	56.0

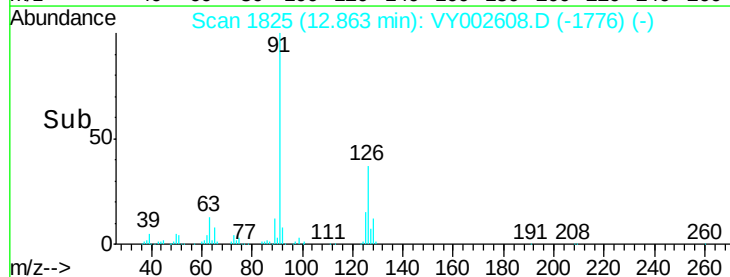
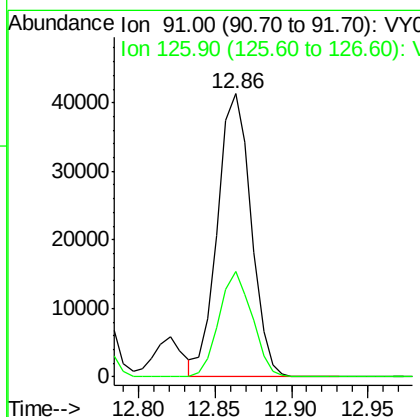
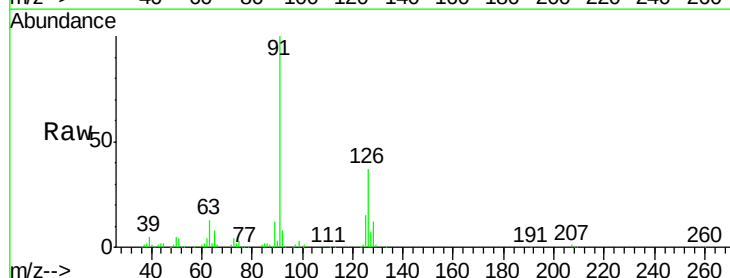
Manual Integrations
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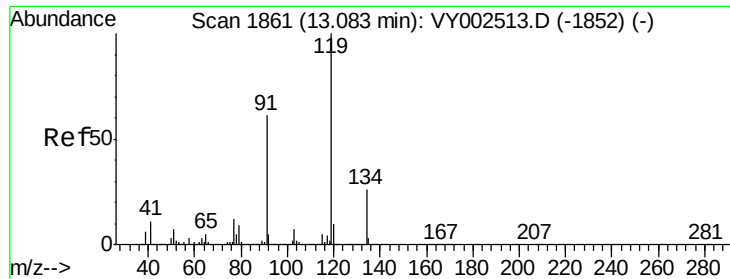
MMDadoda
5/7/2020 10:35:30 AM



#82
4-Chlorotoluene
Concen: 5.639 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.5	55.5





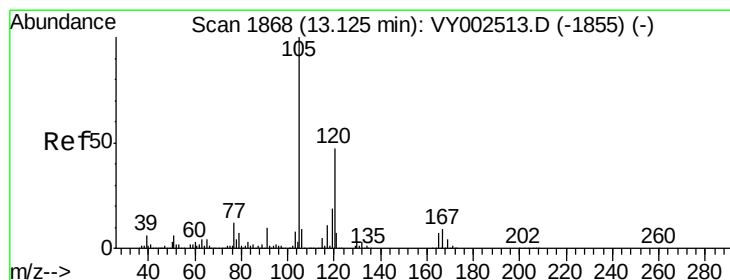
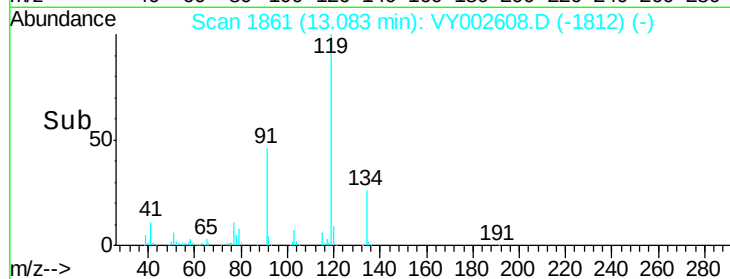
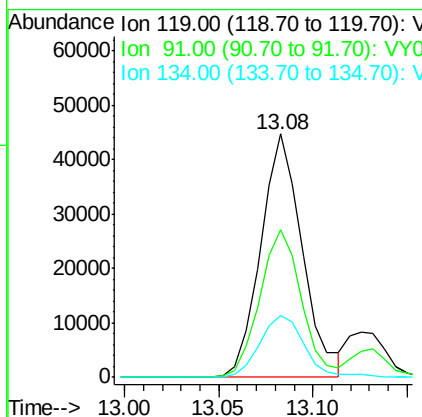
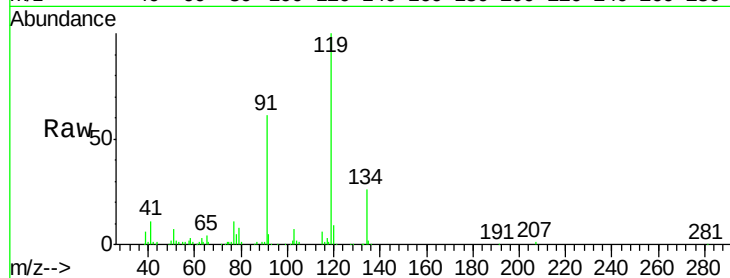
#83
 tert-Butylbenzene
 Concen: 5.687 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion:119	Resp:	68475
Ion Ratio	Lower	Upper
119 100		
91 60.8	30.6	91.6
134 27.4	13.5	40.4

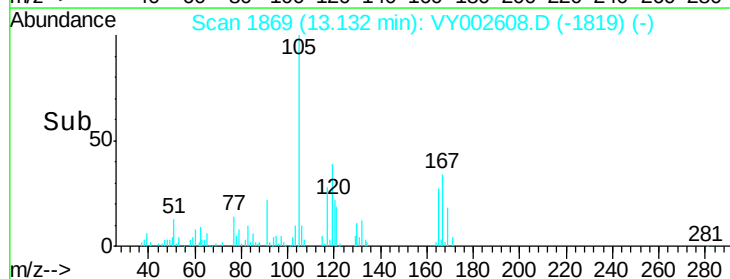
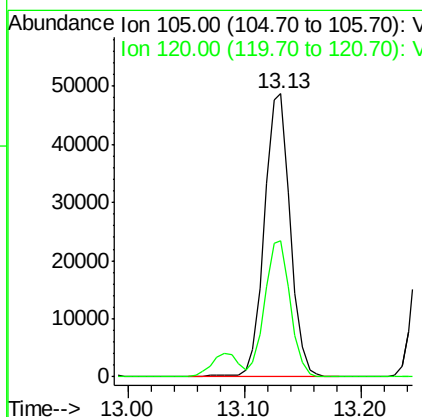
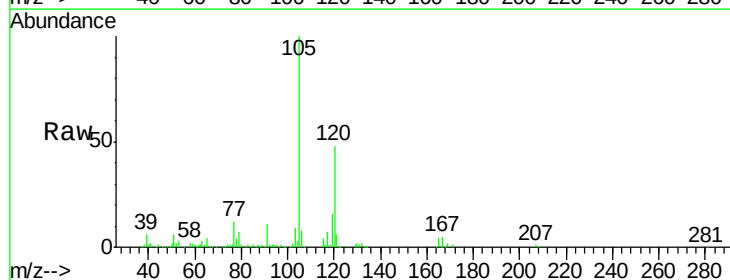
Manual Integrations
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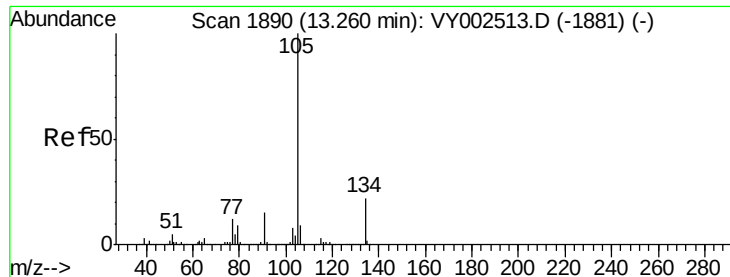
MMDadoda
 5/7/2020 10:35:30 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.495 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Tgt Ion:105	Resp:	75191
Ion Ratio	Lower	Upper
105 100		
120 47.5	23.4	70.3





#85

sec-Butylbenzene

Concen: 5.630 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:105 Resp: 94060

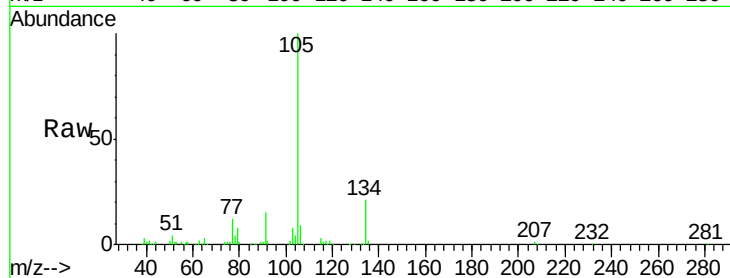
Ion Ratio Lower Upper

105 100

134 21.4 10.8 32.3

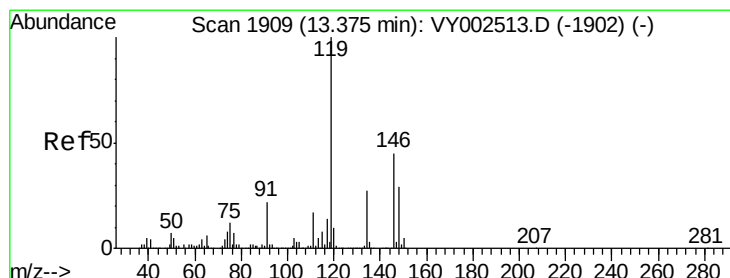
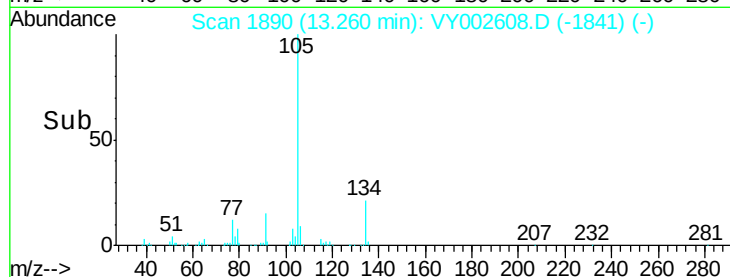
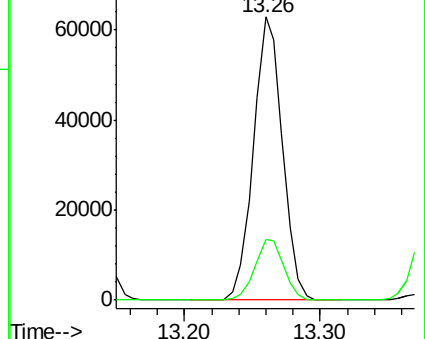
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.565 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

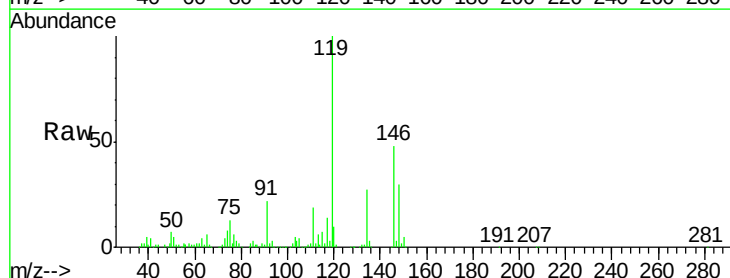
Tgt Ion:119 Resp: 87107

Ion Ratio Lower Upper

119 100

134 27.7 13.5 40.5

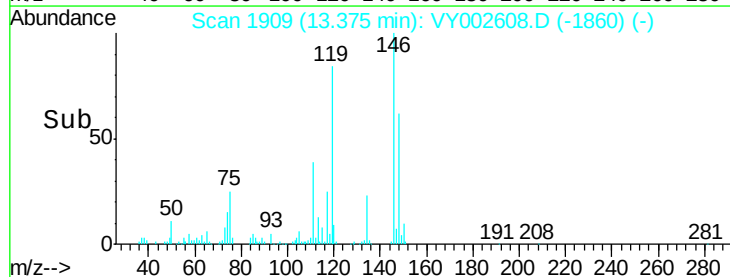
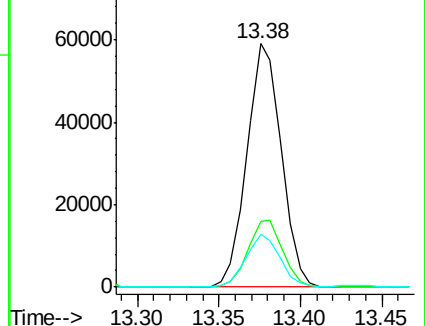
91 21.4 10.9 32.9

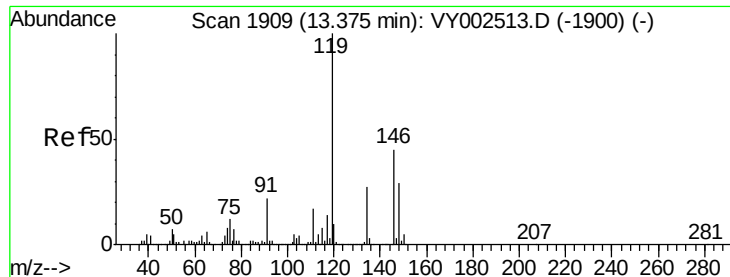


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 5.633 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

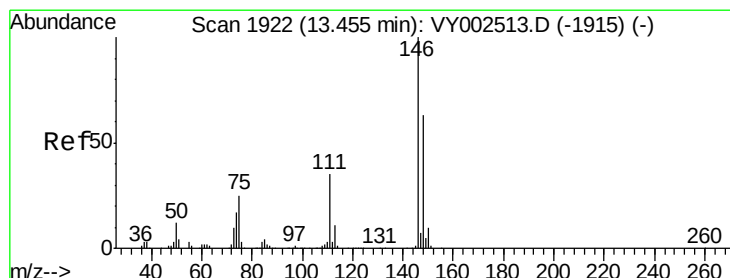
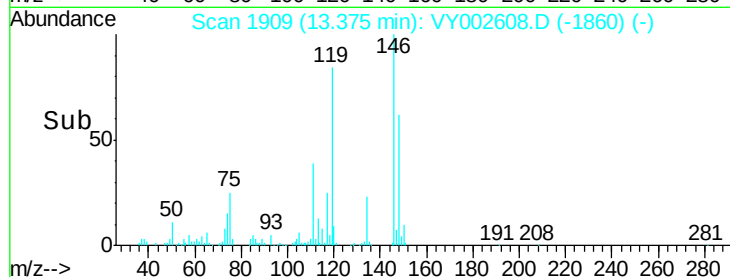
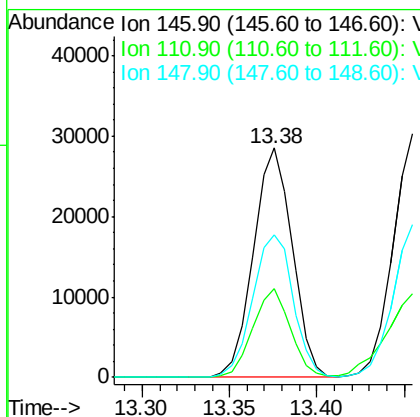
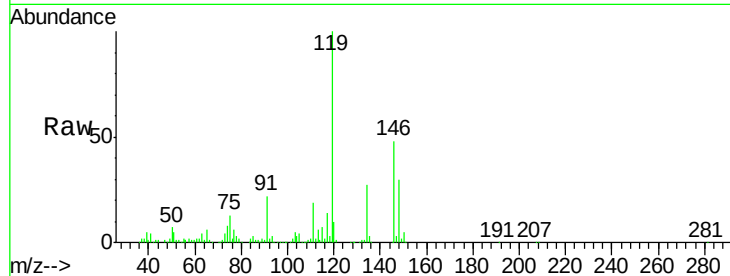
Instrument :
MSVOA_Y

ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	64.5	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.780 ug/l

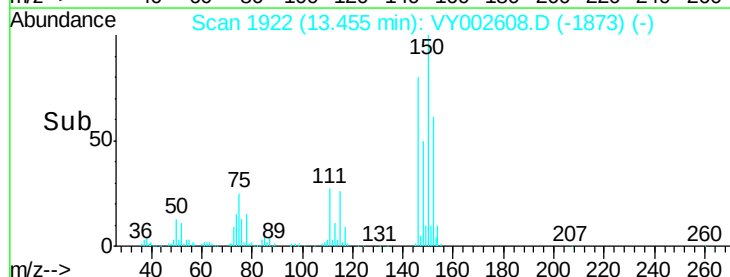
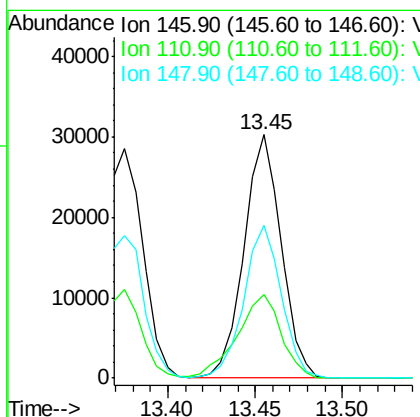
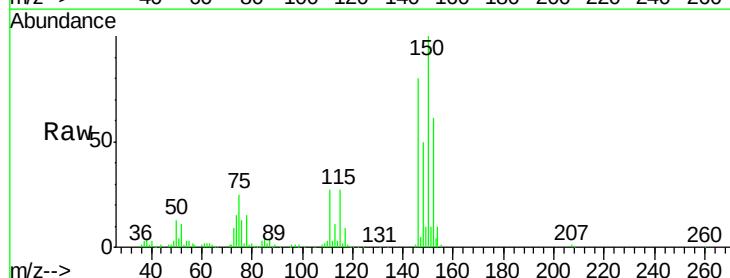
RT: 13.45 min Scan# 1922

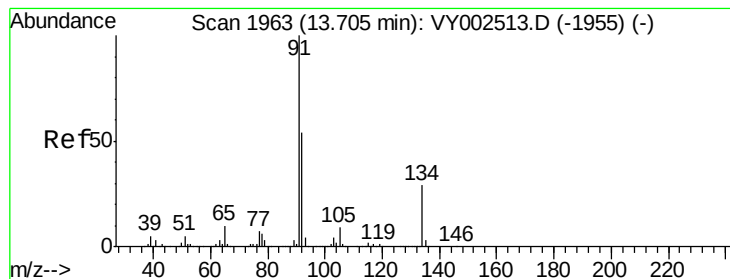
Delta R.T. -0.00 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	18.1	54.1
148	63.2	31.9	95.5





#89

n-Butylbenzene

Concen: 5.740 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

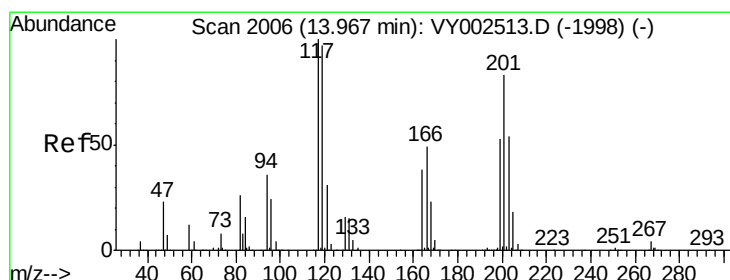
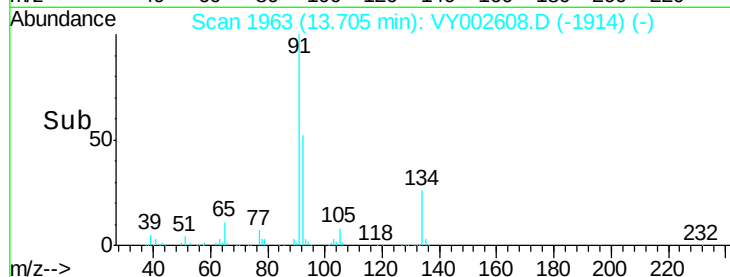
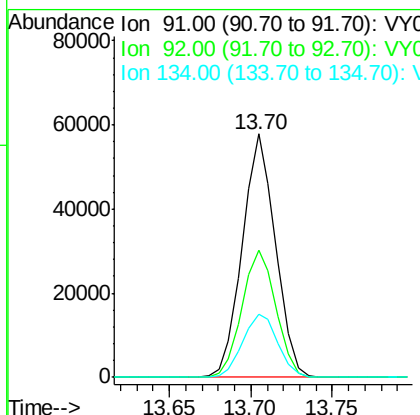
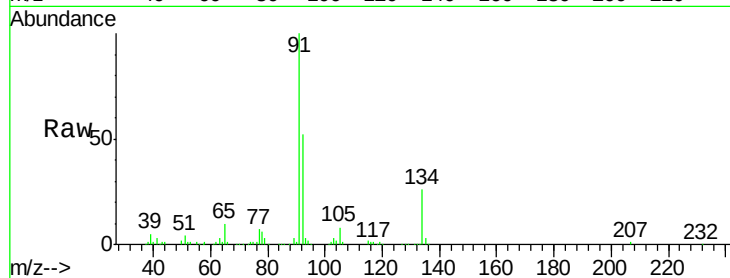
ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:	91	Resp:	81793
Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.1	81.3
134	27.5	14.4	43.0

Manual Integrations
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#90

Hexachloroethane

Concen: 5.632 ug/l

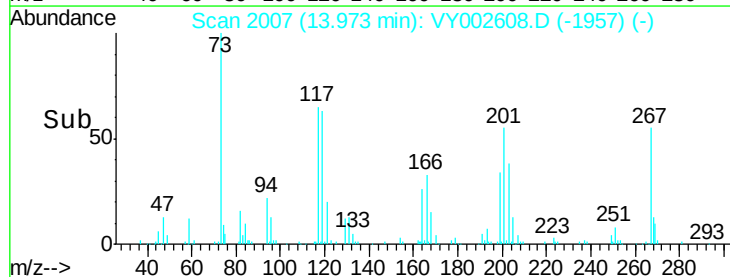
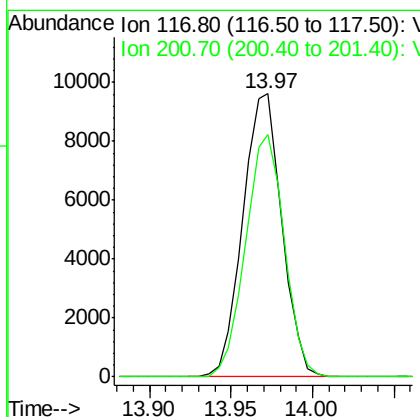
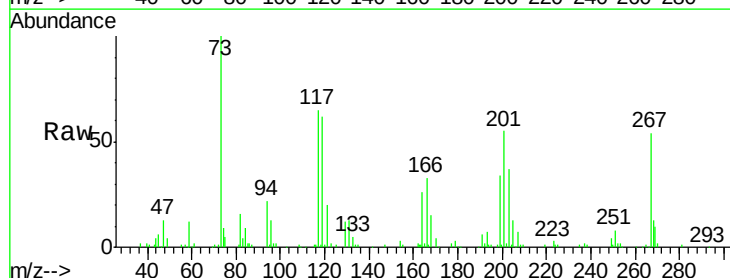
RT: 13.97 min Scan# 2007

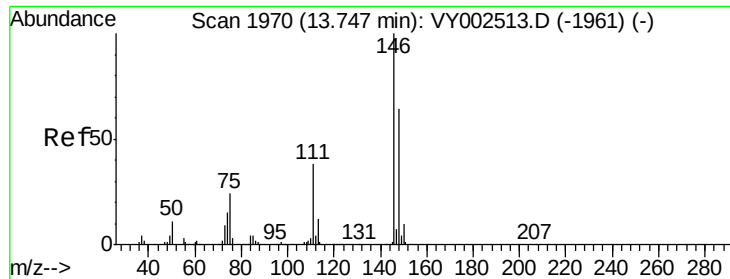
Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Tgt Ion:	117	Resp:	16056
Ion	Ratio	Lower	Upper
117	100		
201	84.7	44.4	133.2





#91

1,2-Dichlorobenzene

Concen: 5.516 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Instrument :

MSVOA_Y

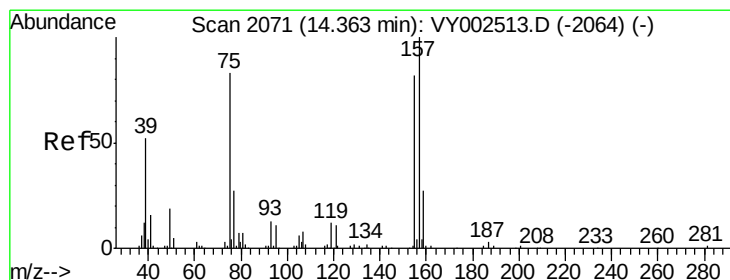
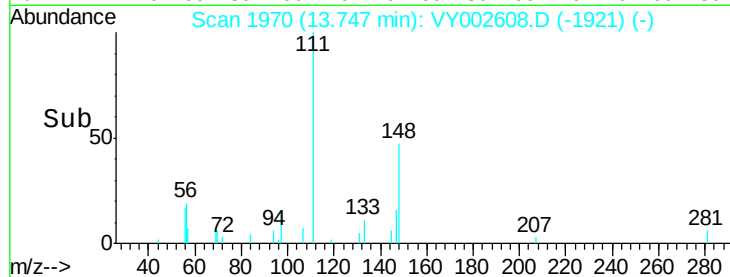
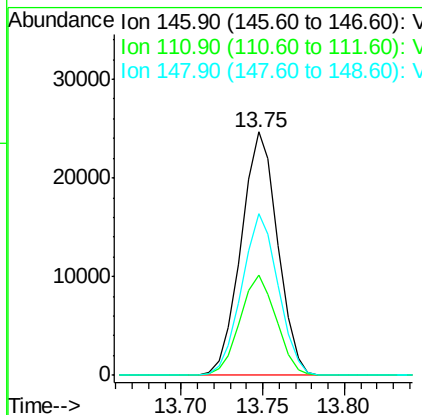
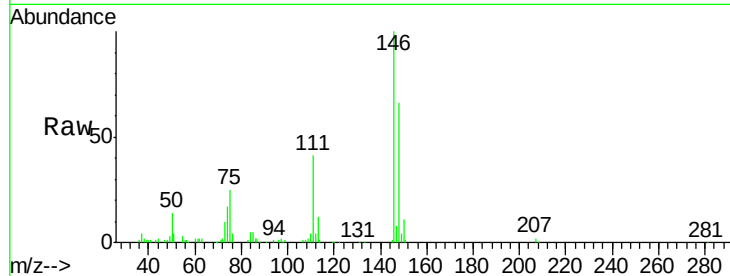
ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:	146	Resp:	38556
Ion Ratio	Lower	Upper	
146	100		
111	40.7	19.1	57.5
148	66.3	31.9	95.7

Manual Integrations
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5/7/2020 10:35:30 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.148 ug/l

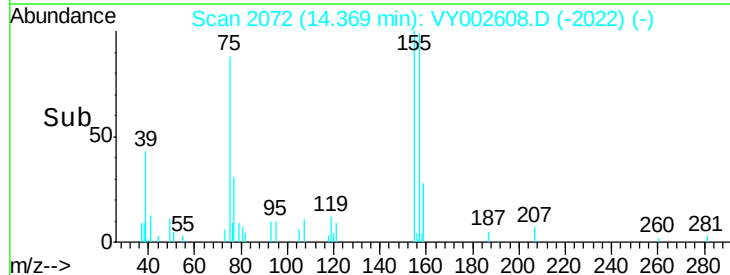
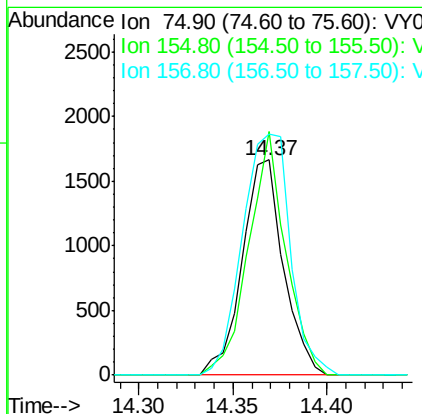
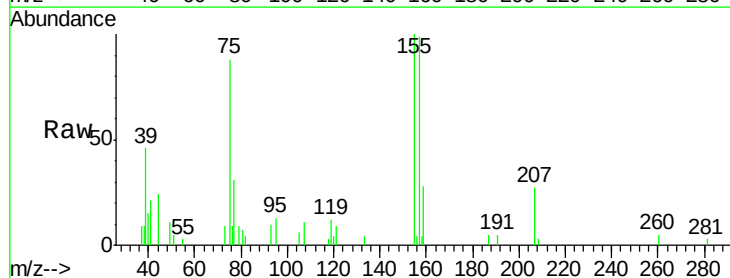
RT: 14.37 min Scan# 2072

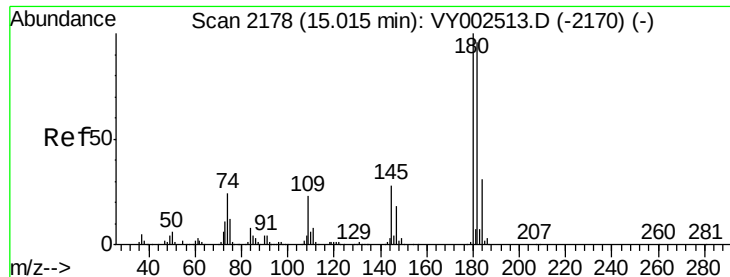
Delta R.T. 0.01 min

Lab File: VY002608.D

Acq: 06 May 2020 12:25

Tgt Ion:	75	Resp:	2528
Ion Ratio	Lower	Upper	
75	100		
155	101.5	51.3	153.9
157	130.3	65.0	195.0





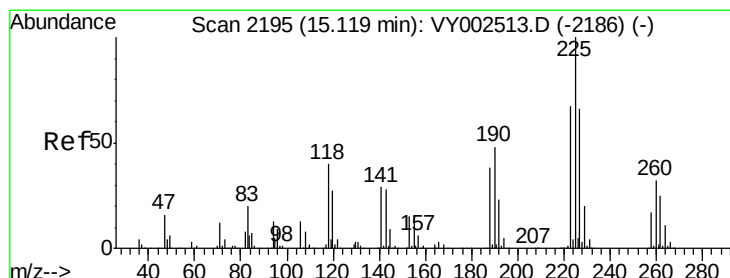
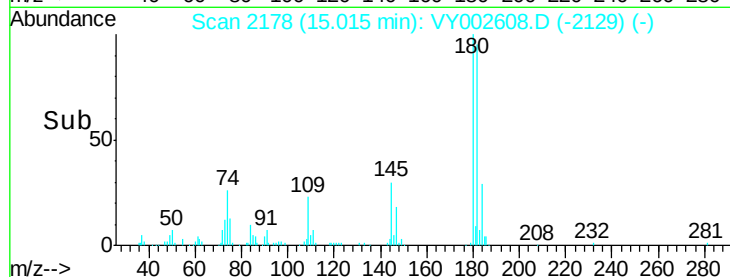
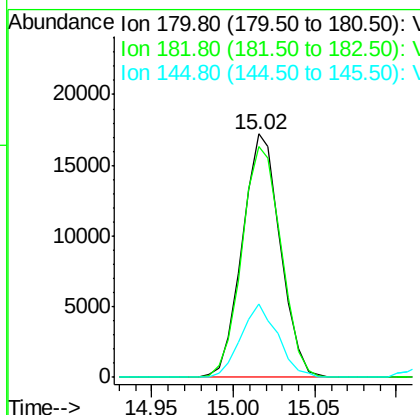
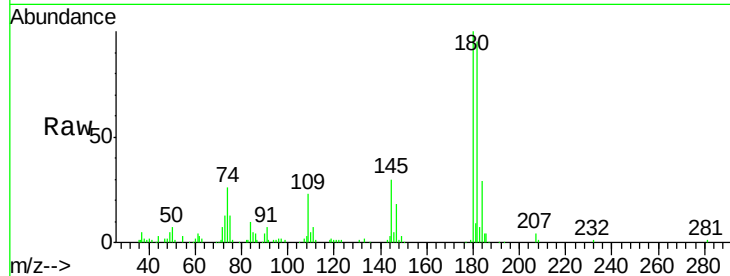
#93
 1,2,4-Trichlorobenzene
 Concen: 5.496 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	27888		
182	97.8	47.9	143.6	
145	29.4	14.4	43.0	

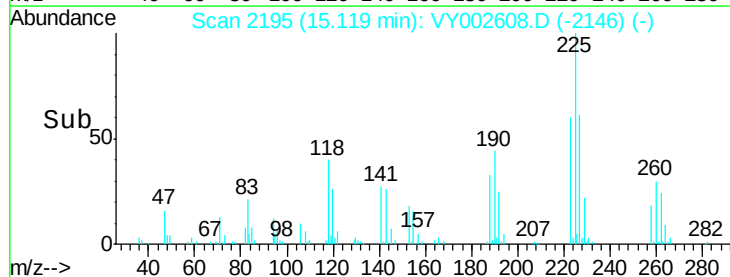
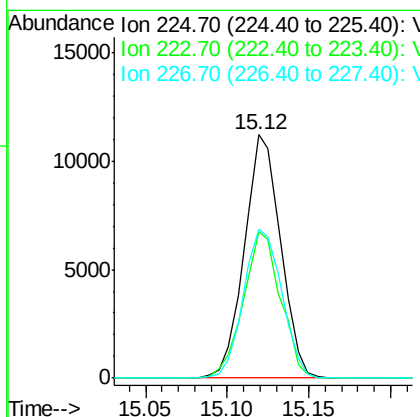
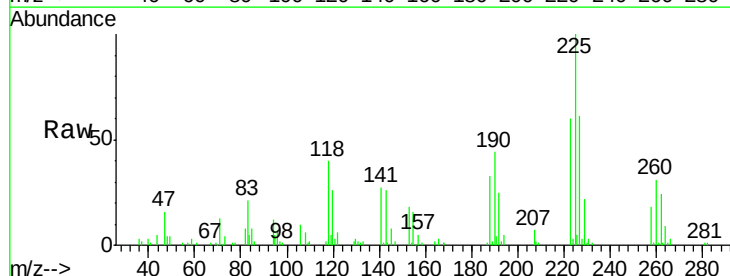
Manual Integrations
 APPROVED

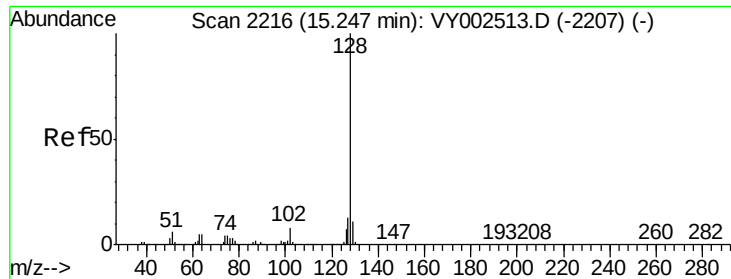
MMDadoda
 5/7/2020 10:35:30 AM



#94
 Hexachlorobutadiene
 Concen: 5.727 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY002608.D
 Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	17443		
223	61.7	32.1	96.5	
227	64.4	32.0	96.2	





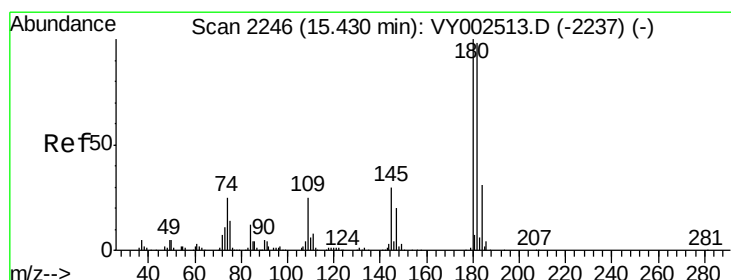
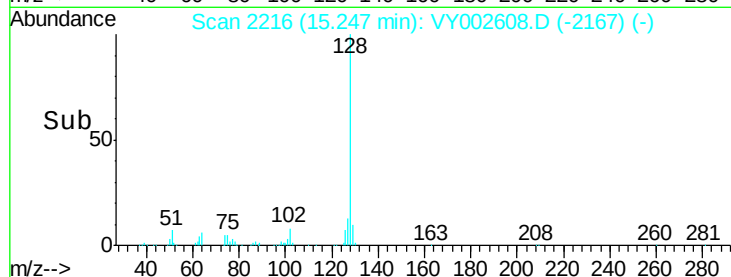
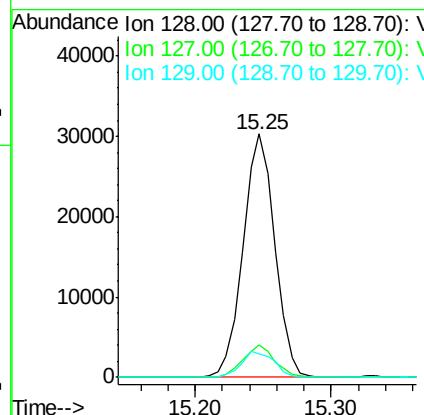
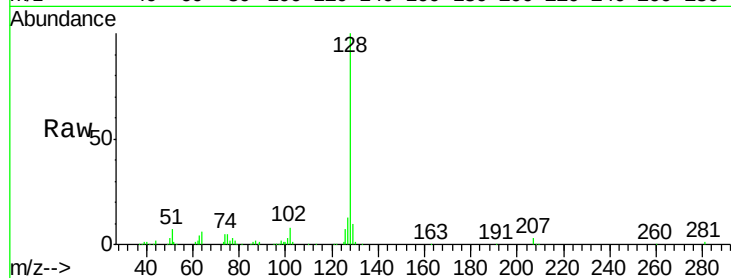
#95
Naphthalene
Concen: 5.333 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:35:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 5.785 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY002608.D
Acq: 06 May 2020 12:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.2	47.9	143.8
145	30.1	15.0	45.1

