

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070820\
 Data File : VW015809.D
 Acq On : 08 Jul 2020 15:05
 Operator : SY/VA
 Sample : L3216-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:47:38 AM

Quant Time: Jul 09 06:10:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 05:52:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	198093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	321266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137922	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	97753	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
35) Dibromofluoromethane	7.88	113	86682	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
50) Toluene-d8	10.33	98	334768	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
62) 4-Bromofluorobenzene	12.62	95	121538	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	5996	5.747	ug/l	98
3) Chloromethane	2.21	50	8215	5.798	ug/l	100
4) Vinyl Chloride	2.36	62	11988	5.480	ug/l	93
5) Bromomethane	2.78	94	8737	5.220	ug/l	100
6) Chloroethane	2.92	64	7751	5.250	ug/l	92
7) Trichlorofluoromethane	3.26	101	7894	5.021	ug/l	94
8) Diethyl Ether	3.68	74	5155	5.262	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.07	101	9961	5.412	ug/l	100
10) Methyl Iodide	4.27	142	13182	5.123	ug/l	100
11) Tert butyl alcohol	5.19	59	3905	34.282	ug/l	97
12) 1,1-Dichloroethene	4.04	96	9526	5.265	ug/l	98
13) Acrolein	3.90	56	3434	24.267	ug/l	87
14) Allyl chloride	4.67	41	14428	4.906	ug/l	99
15) Acrylonitrile	5.37	53	10329	26.969	ug/l	99
16) Acetone	4.13	43	11602	30.397	ug/l	99
17) Carbon Disulfide	4.38	76	26231	4.873	ug/l	95
18) Methyl Acetate	4.68	43	5226	6.017	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	13819	5.103	ug/l #	90
20) Methylene Chloride	4.92	84	25353	11.438	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	10434	4.978	ug/l	96
22) Diisopropyl ether	6.32	45	29387	4.959	ug/l	93
23) Vinyl Acetate	6.26	43	79021	22.417	ug/l	98
24) 1,1-Dichloroethane	6.22	63	18952	5.051	ug/l	97
25) 2-Butanone	7.18	43	14202	27.412	ug/l	98
26) 2,2-Dichloropropane	7.17	77	13279	5.641	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	11493	5.107	ug/l	93
28) Bromochloromethane	7.52	49	7491	5.036	ug/l	100
29) Tetrahydrofuran	7.54	42	8273	26.314	ug/l	98
30) Chloroform	7.68	83	19500	5.084	ug/l	97
31) Cyclohexane	7.96	56	21356	6.047	ug/l #	82
32) 1,1,1-Trichloroethane	7.88	97	16187	5.033	ug/l	97
36) 1,1-Dichloropropene	8.09	75	15721	4.964	ug/l	99
37) Ethyl Acetate	7.26	43	6748	5.484	ug/l	97
38) Carbon Tetrachloride	8.07	117	14584	4.759	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	18043	4.828	ug/l	96
40) Benzene	8.32	78	42893	4.944	ug/l	99
41) Methacrylonitrile	7.49	41	3449	4.937	ug/l	94
42) 1,2-Dichloroethane	8.40	62	13708	5.077	ug/l	99
43) Isopropyl Acetate	8.43	43	11566	4.815	ug/l	99
44) Trichloroethene	9.10	130	11360	4.951	ug/l	98
45) 1,2-Dichloropropane	9.37	63	10494	4.921	ug/l	96
46) Dibromomethane	9.46	93	5322	4.848	ug/l	97
47) Bromodichloromethane	9.65	83	13079	4.606	ug/l	95
48) Methyl methacrylate	9.44	41	4728	4.295	ug/l	97
49) 1,4-Dioxane	9.45	88	1475	108.677	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	27989	23.880	ug/l	99
52) Toluene	10.39	92	27676	4.958	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	11643	4.274	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	14440	4.431	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	7543	4.955	ug/l	98
56) Ethyl methacrylate	10.65	69	7983	4.266	ug/l	99
57) 1,3-Dichloropropane	10.93	76	13222	4.907	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	22061	24.125	ug/l	100
59) 2-Hexanone	10.98	43	18187	23.251	ug/l	99
60) Dibromochloromethane	11.13	129	7468	4.248	ug/l	98
61) 1,2-Dibromoethane	11.24	107	6912	4.745	ug/l	94
64) Tetrachloroethene	10.87	164	9669	5.311	ug/l	91
65) Chlorobenzene	11.66	112	28586	5.081	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.73	131	9410	4.727	ug/l	98
67) Ethyl Benzene	11.73	91	50580	4.855	ug/l	97
68) m/p-Xylenes	11.84	106	36010	9.201	ug/l	97
69) o-Xylene	12.17	106	16395	4.590	ug/l	98
70) Styrene	12.18	104	27296	4.441	ug/l	98
71) Bromoform	12.35	173	3852	4.239	ug/l #	93
73) Isopropylbenzene	12.47	105	47519	4.891	ug/l	99
74) N-amyl acetate	12.27	43	9582	4.609	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	8404	5.205	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	4968m	4.099	ug/l	
77) Bromobenzene	12.75	156	10890	4.998	ug/l	99
78) n-propylbenzene	12.80	91	57878	4.907	ug/l	99
79) 2-Chlorotoluene	12.90	91	33582	4.993	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	39993	4.829	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	2022	4.264	ug/l	91
82) 4-Chlorotoluene	12.99	91	35264	5.021	ug/l	99
83) tert-Butylbenzene	13.21	119	33137	4.820	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	39785	4.811	ug/l	99
85) sec-Butylbenzene	13.39	105	49552	4.991	ug/l	98
86) p-Isopropyltoluene	13.50	119	43442	4.791	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	21891	5.012	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	21858	5.112	ug/l	93
89) n-Butylbenzene	13.83	91	41819	4.820	ug/l	98
90) Hexachloroethane	14.10	117	7840	4.771	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	19012	5.025	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1321	5.121	ug/l	95

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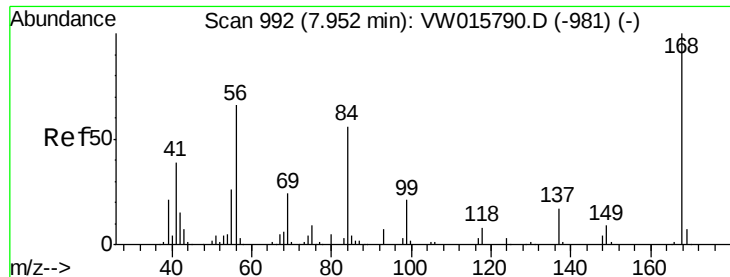
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	11075	4.643	ug/l	98
94) Hexachlorobutadiene	15.24	225	7677	5.069	ug/l	99
95) Naphthalene	15.37	128	17496	4.388	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	9963	4.908	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:168 Resp: 198093

Ion Ratio Lower Upper

168 100

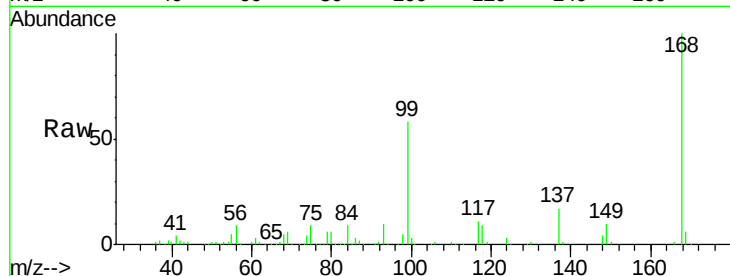
99 58.3 47.8 71.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

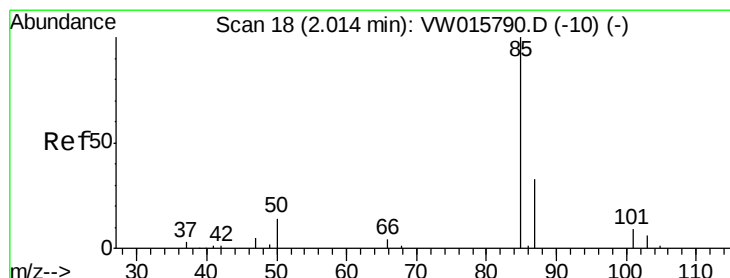
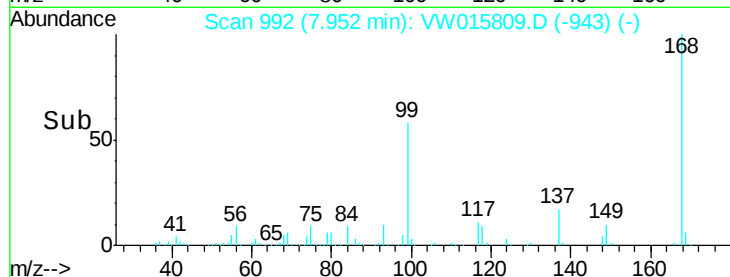
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.747 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015809.D

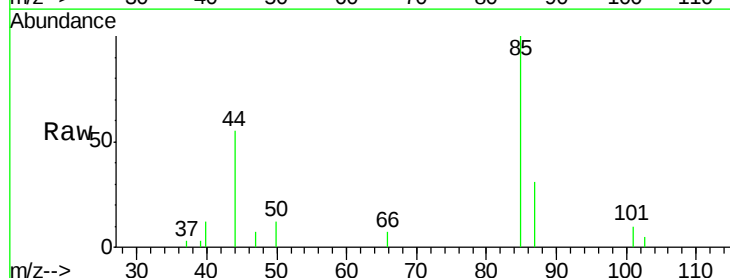
Acq: 08 Jul 2020 15:05

Tgt Ion: 85 Resp: 5996

Ion Ratio Lower Upper

85 100

87 31.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

2000

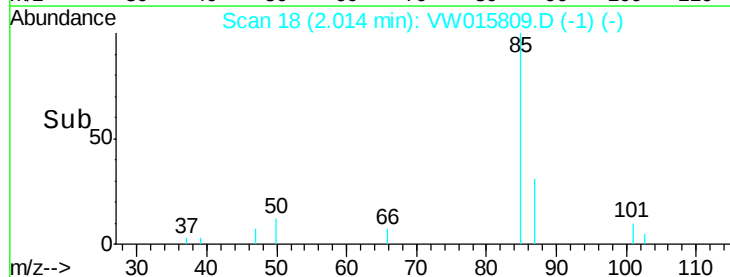
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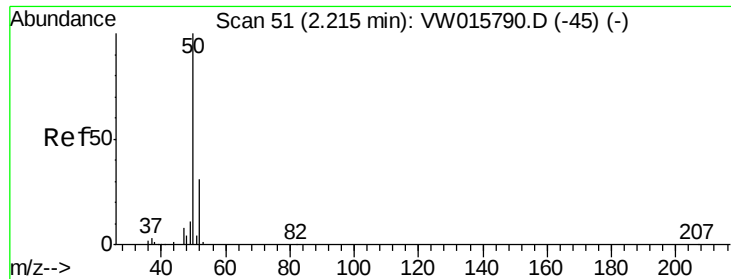
1000

500

0

Time-->





#3

Chloromethane

Concen: 5.798 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 50 Resp: 8215

Ion Ratio Lower Upper

50 100

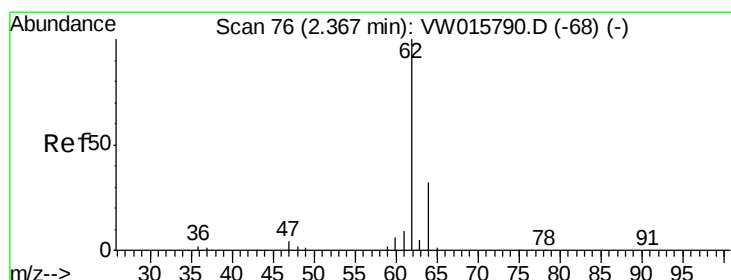
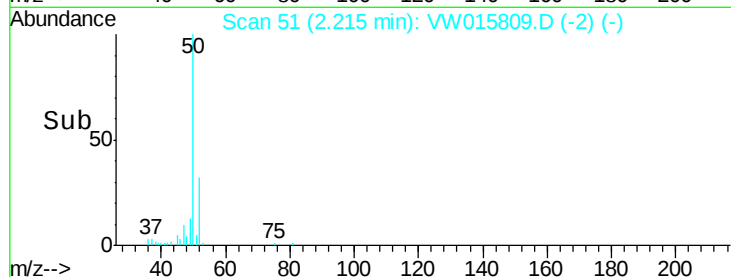
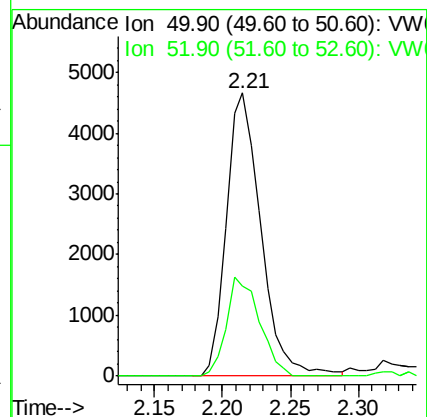
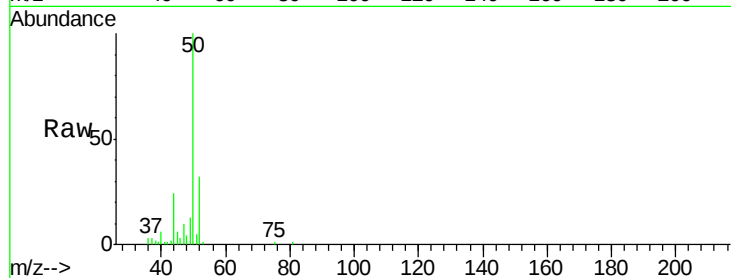
52 31.6 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.480 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015809.D

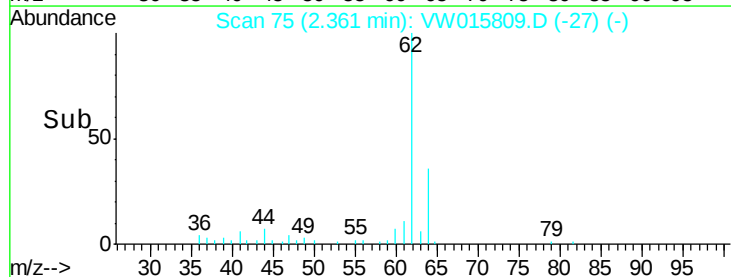
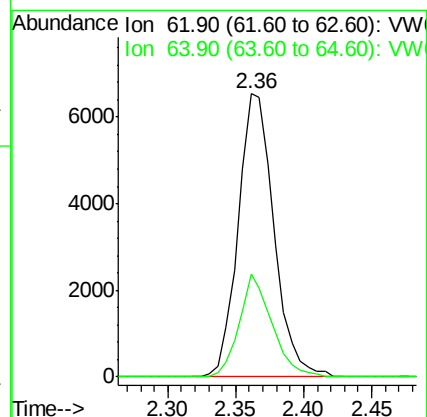
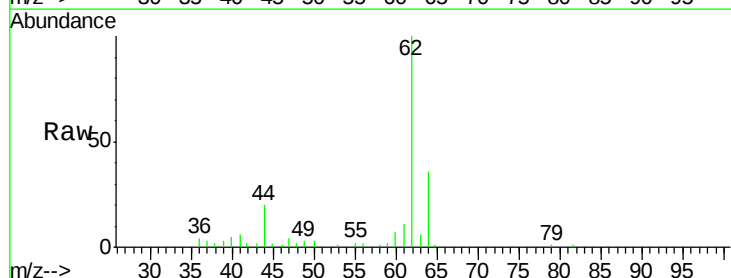
Acq: 08 Jul 2020 15:05

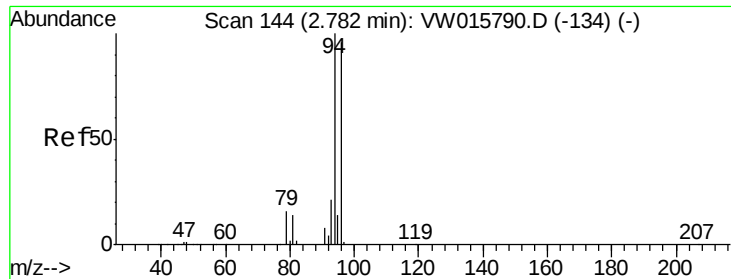
Tgt Ion: 62 Resp: 11988

Ion Ratio Lower Upper

62 100

64 36.3 25.8 38.8





#5

Bromomethane

Concen: 5.220 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 94 Resp: 8737

Ion Ratio Lower Upper

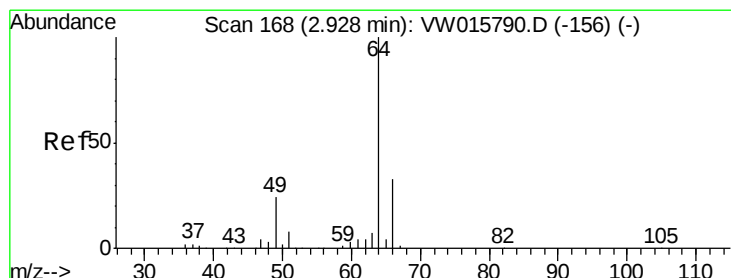
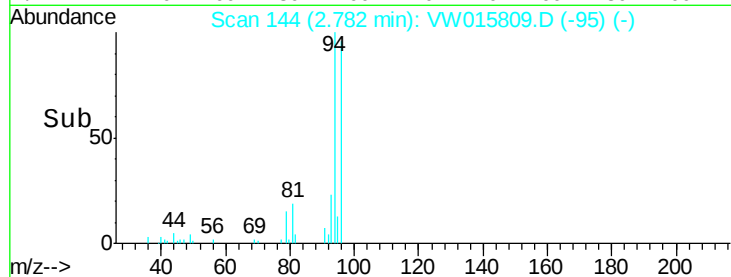
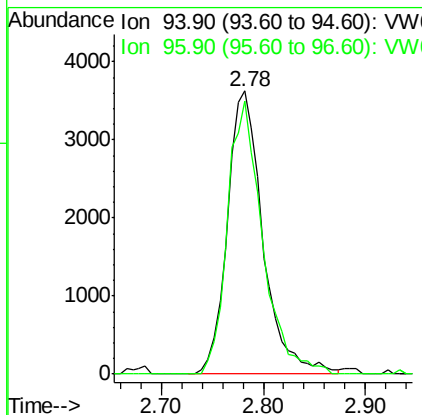
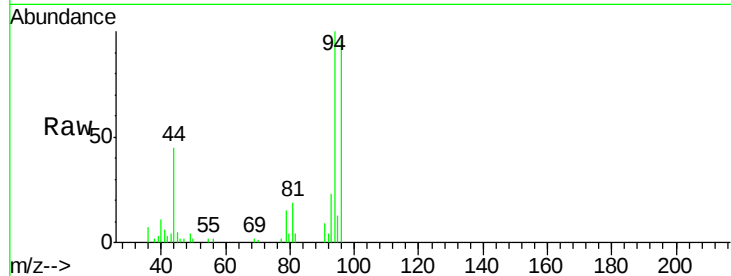
94 100

96 96.3 76.7 115.1

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7/9/2020 10:47:38 AM



#6

Chloroethane

Concen: 5.250 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015809.D

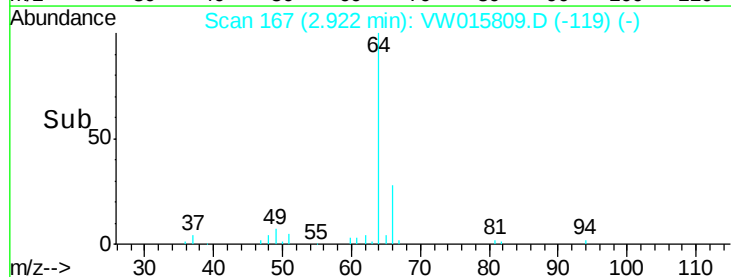
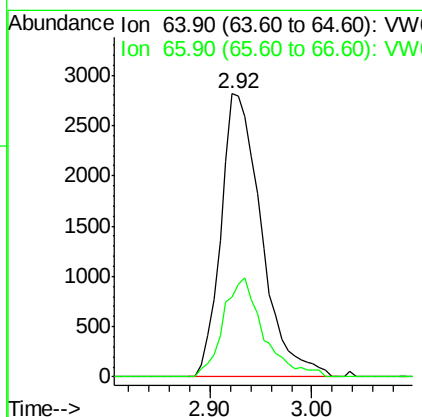
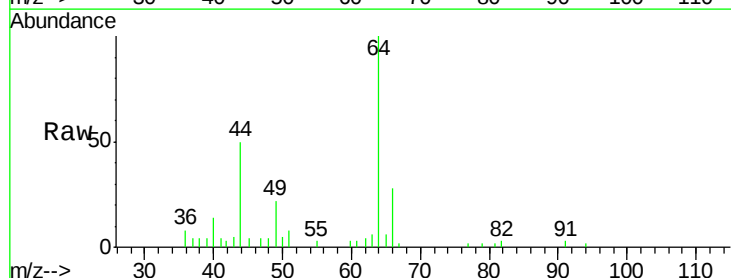
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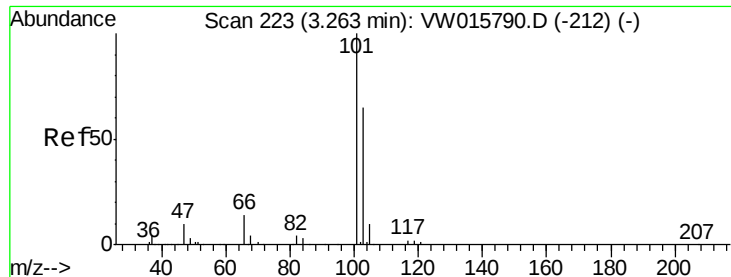
Tgt Ion: 64 Resp: 7751

Ion Ratio Lower Upper

64 100

66 28.1 26.0 39.0





#7

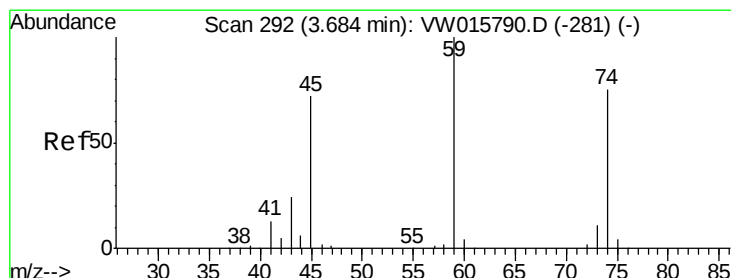
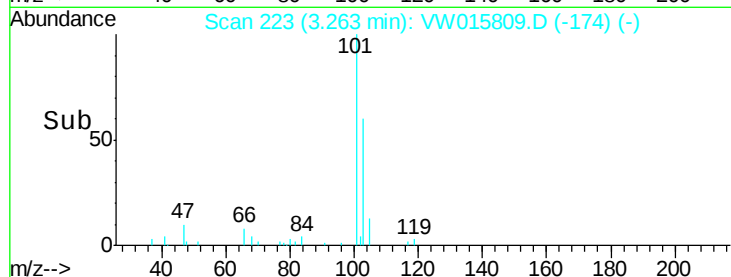
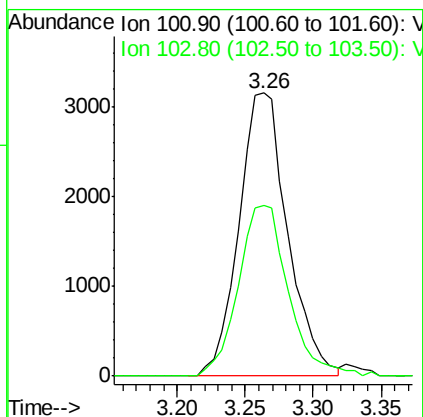
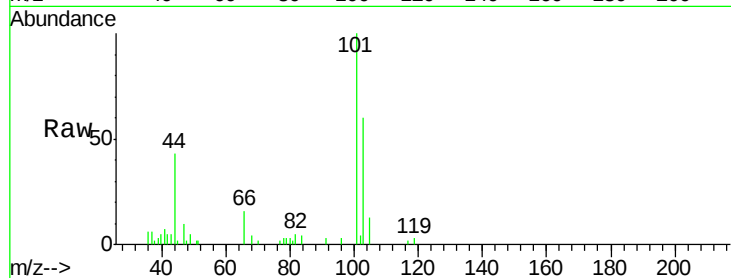
Trichlorofluoromethane
Concen: 5.021 ug/l
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.3	52.2	78.4

Manual Integrations
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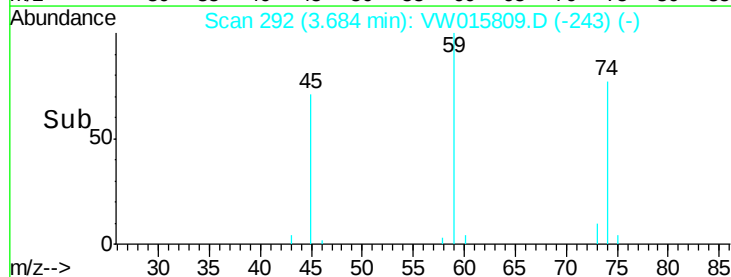
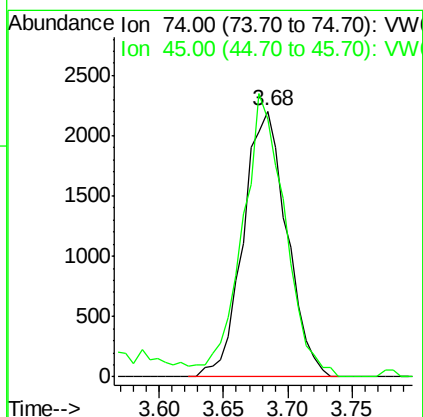
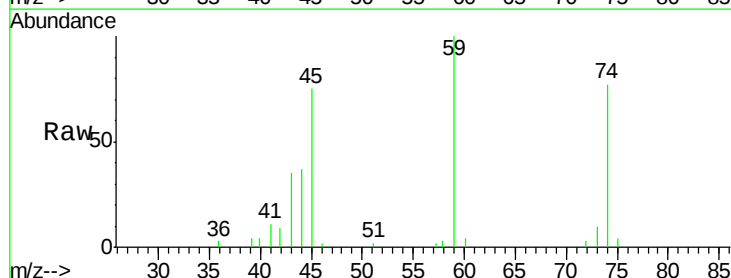
MMDadoda
7/9/2020 10:47:38 AM

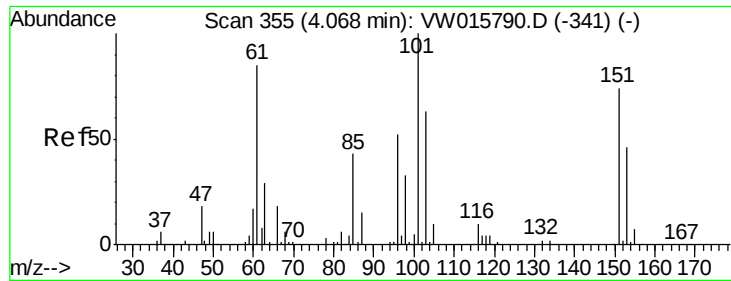


#8

Diethyl Ether
Concen: 5.262 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.0	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.412 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

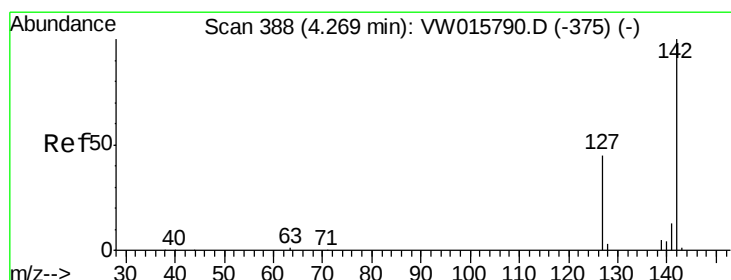
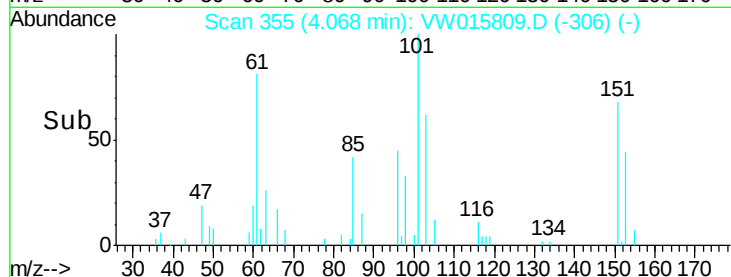
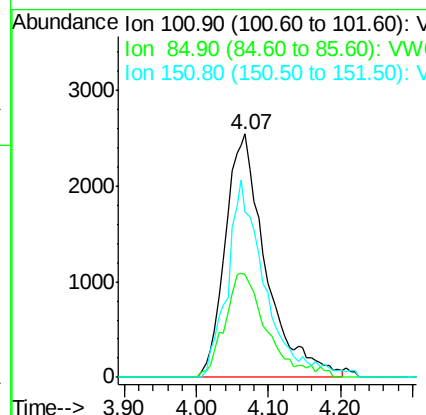
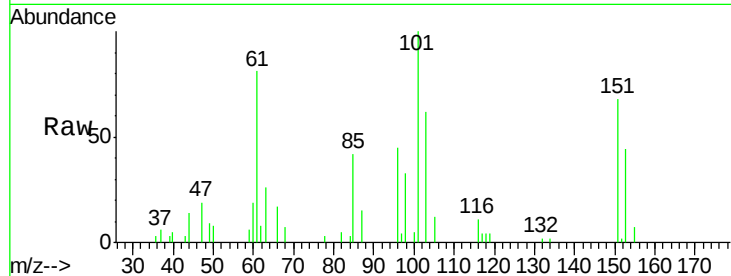
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	101	Resp:	9961
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.1	54.1
151	75.5	60.3	90.5

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#10

Methyl Iodide

Concen: 5.123 ug/l

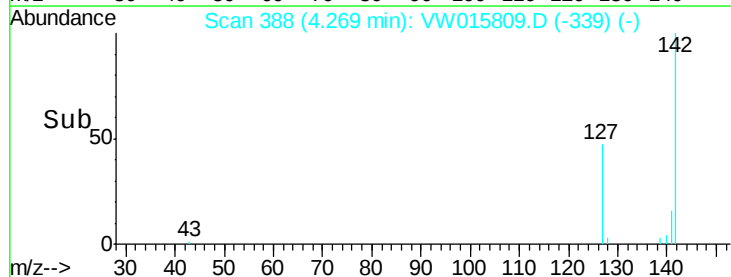
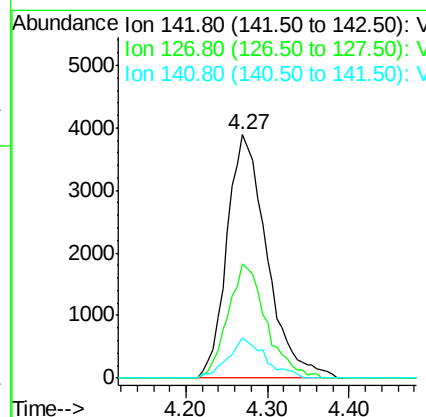
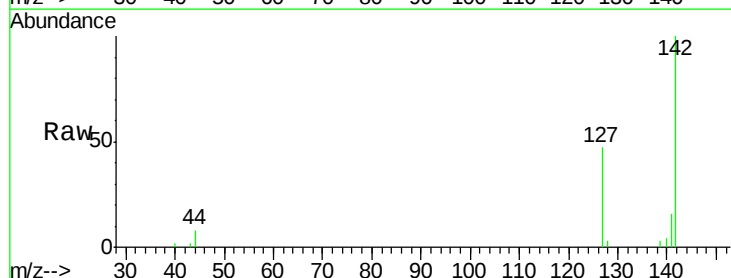
RT: 4.27 min Scan# 388

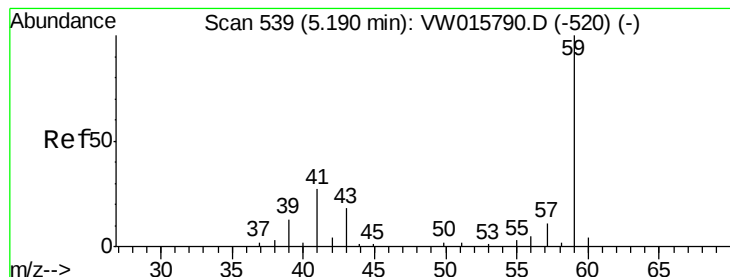
Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Tgt Ion:	142	Resp:	13182
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.1	54.1
141	15.2	11.7	17.5





#11

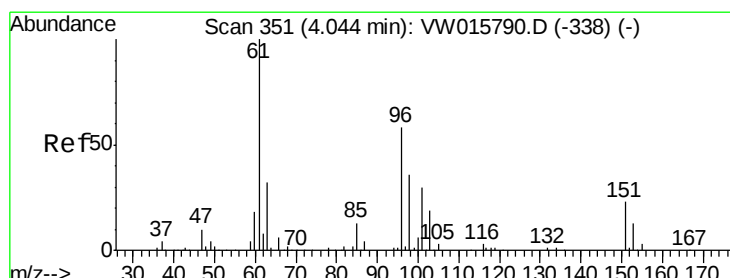
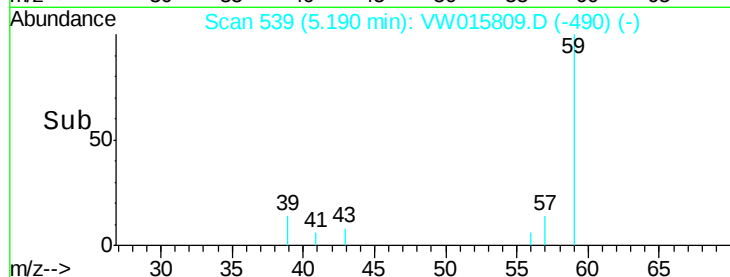
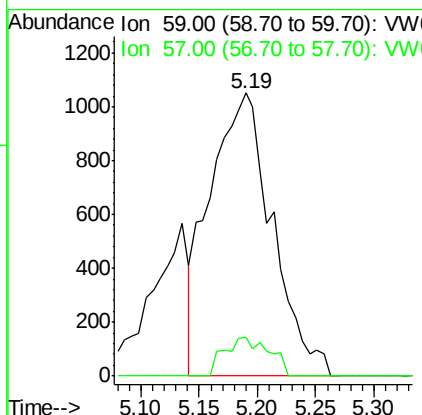
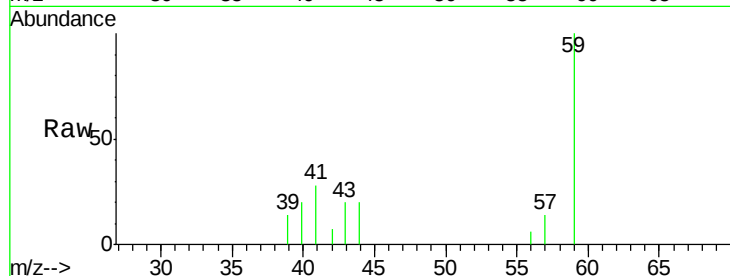
Tert butyl alcohol
 Concen: 34.282 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Resp	Lower	Upper
59	100	3905		
57	9.9		8.7	13.1

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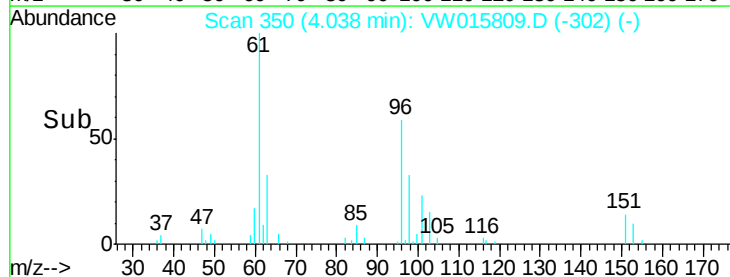
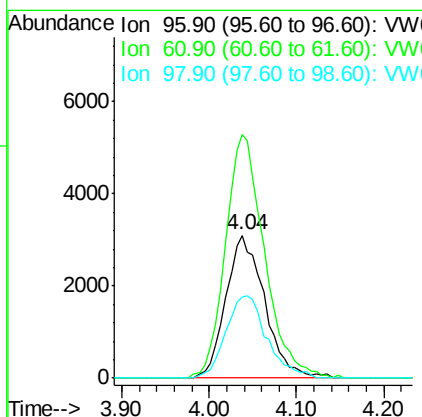
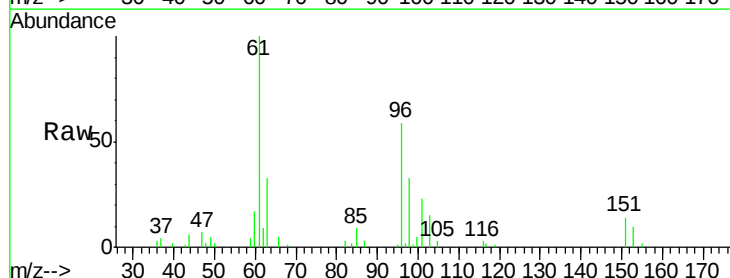
MMDadoda
 7/9/2020 10:47:38 AM

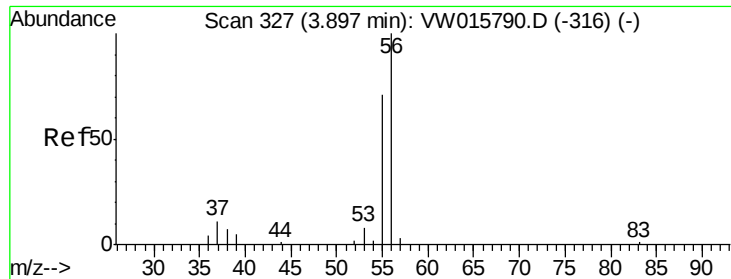


#12

1,1-Dichloroethene
 Concen: 5.265 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	9526		
61	170.7		137.0	205.4
98	56.6		49.3	73.9





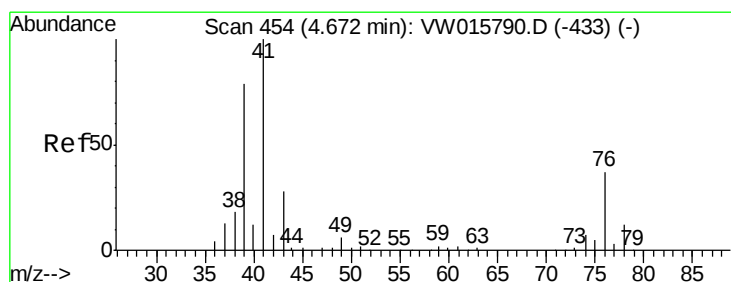
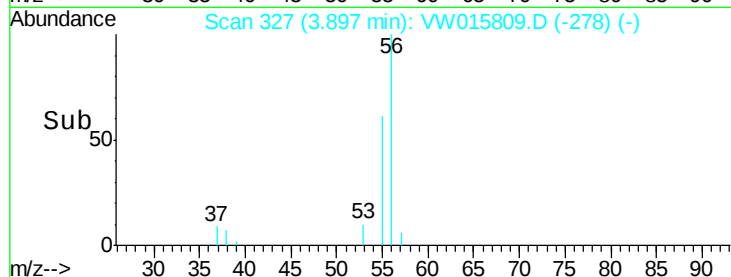
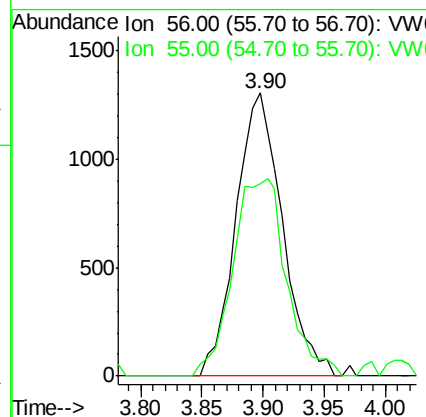
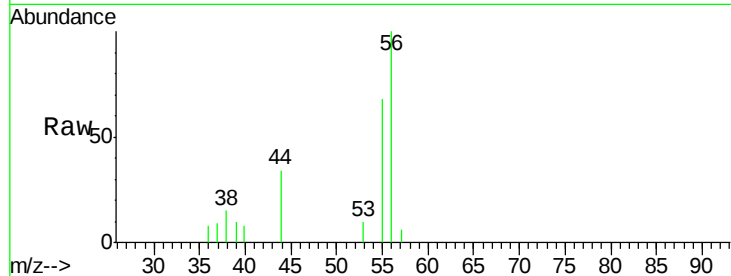
#13
Acrolein
Concen: 24.267 ug/l
RT: 3.90 min Scan# 327
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
56	100		
55	80.7	55.8	83.6

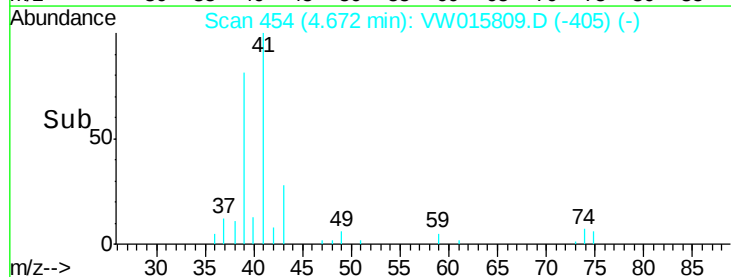
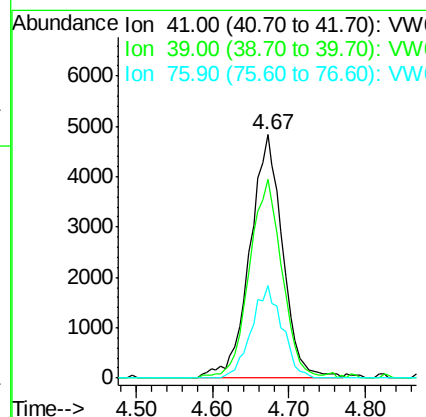
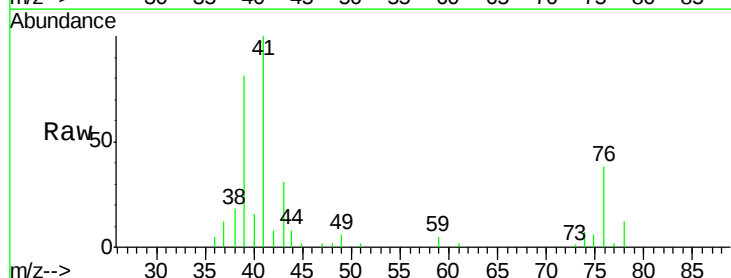
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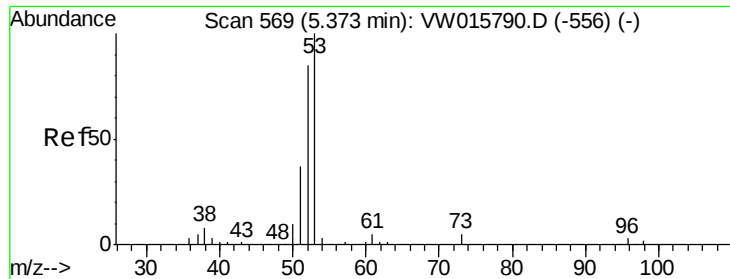
MMDadoda
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#14
Allyl chloride
Concen: 4.906 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
41	100		
39	81.3	64.0	96.0
76	35.5	28.9	43.3





#15

Acrylonitrile

Concen: 26.969 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

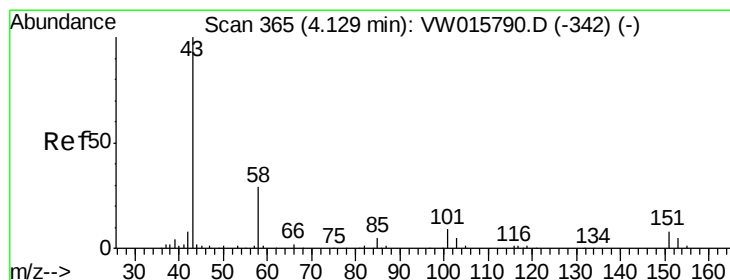
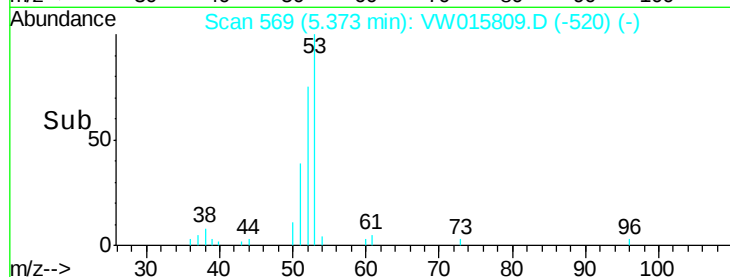
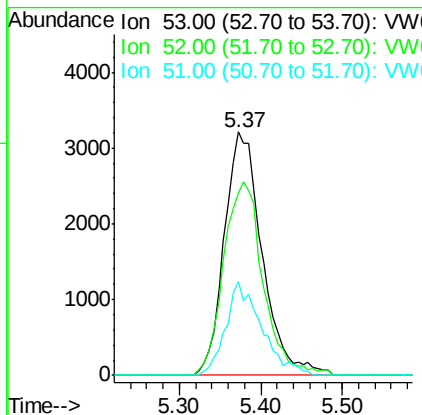
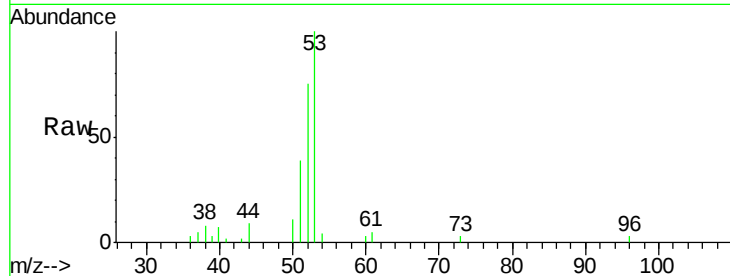
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	53	Resp:	10329
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.8	98.8
51	36.6	30.2	45.2

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MMDadoda
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#16

Acetone

Concen: 30.397 ug/l

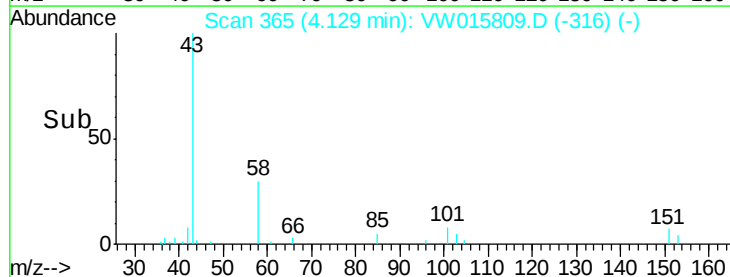
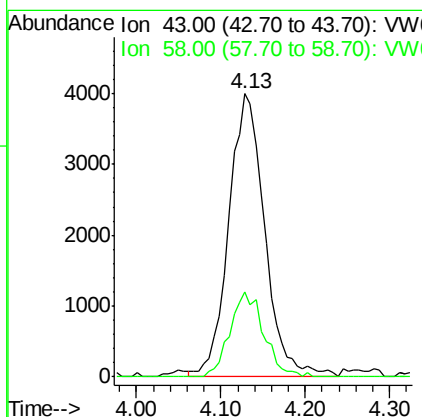
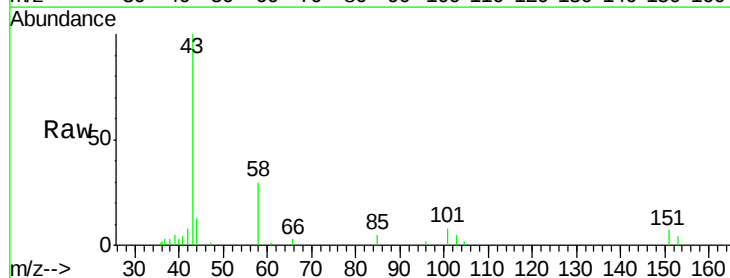
RT: 4.13 min Scan# 365

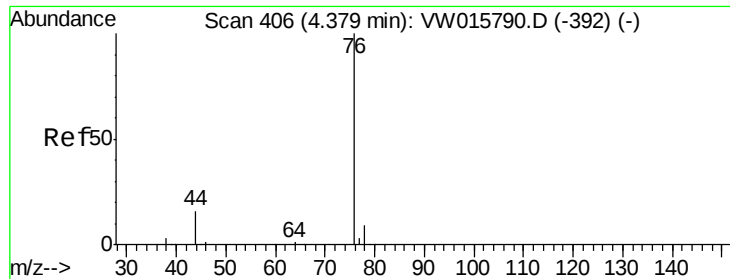
Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Tgt Ion:	43	Resp:	11602
Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.5	35.3





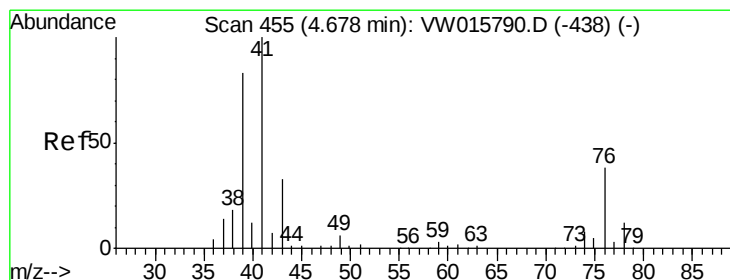
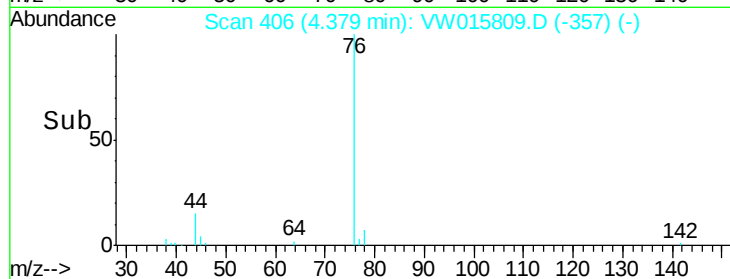
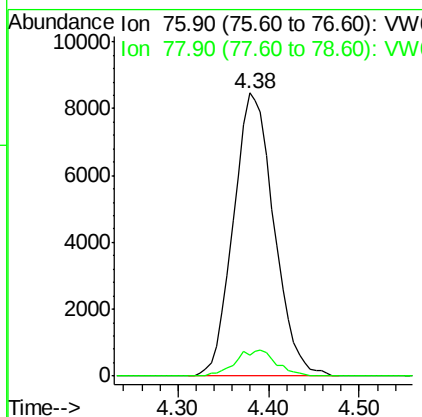
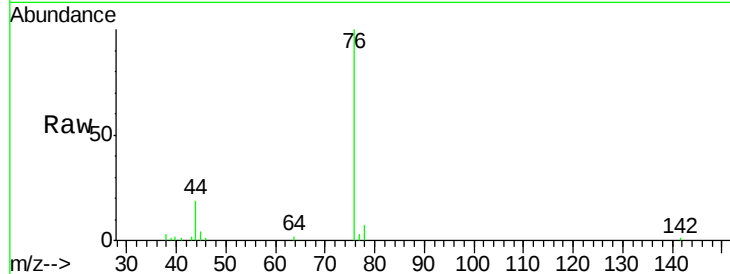
#17
Carbon Disulfide
Concen: 4.873 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion: 76 Resp: 26231
Ion Ratio Lower Upper
76 100
78 7.5 7.4 11.0

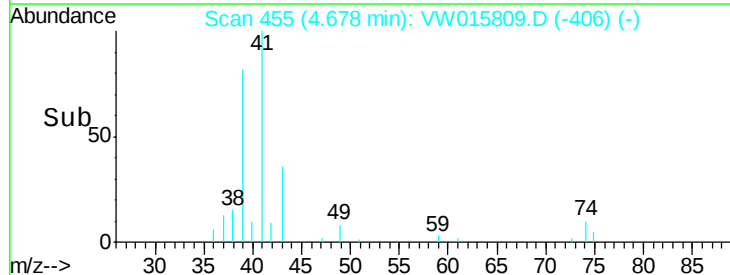
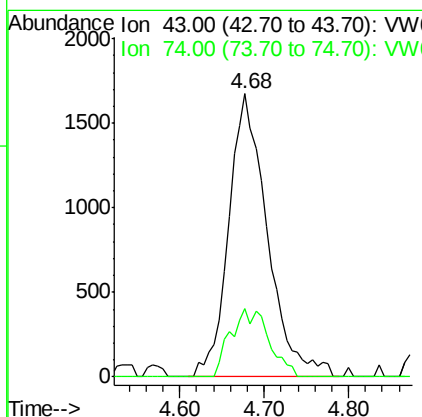
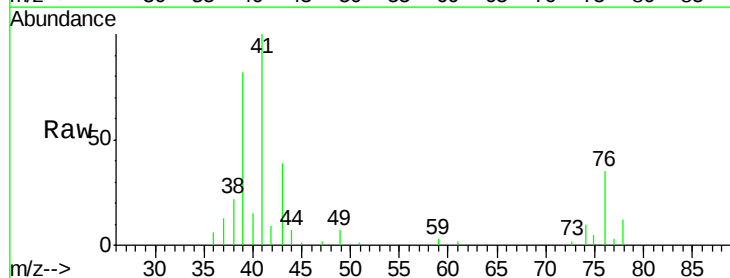
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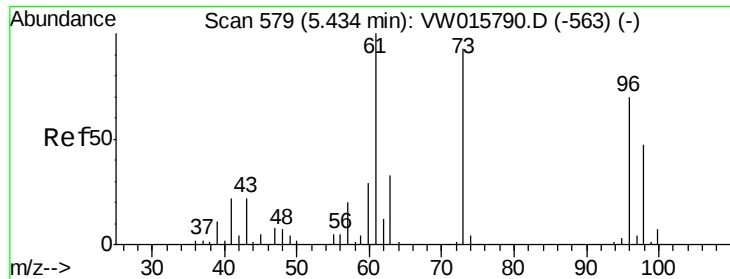
MMDadoda
7/9/2020 10:47:38 AM



#18
Methyl Acetate
Concen: 6.017 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion: 43 Resp: 5226
Ion Ratio Lower Upper
43 100
74 23.9 19.2 28.8





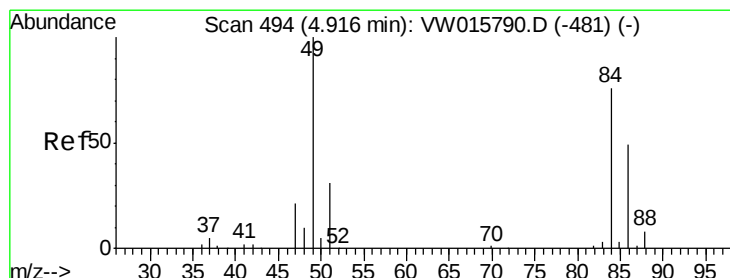
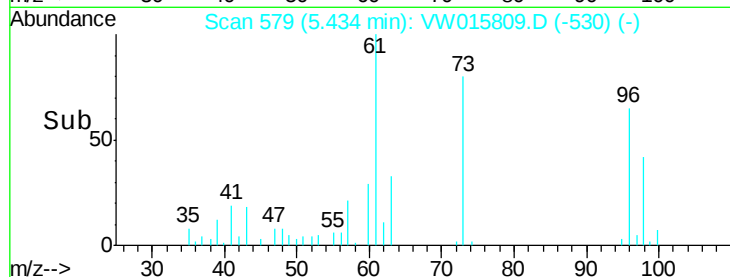
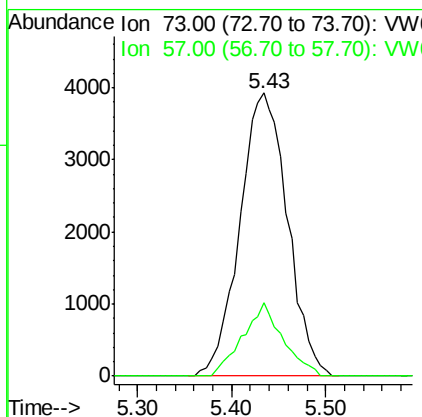
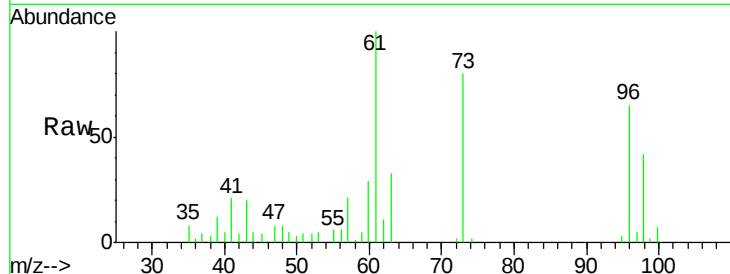
#19
Methyl tert-butyl Ether
Concen: 5.103 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion: 73 Resp: 13819
Ion Ratio Lower Upper
73 100
57 25.8 16.8 25.2#

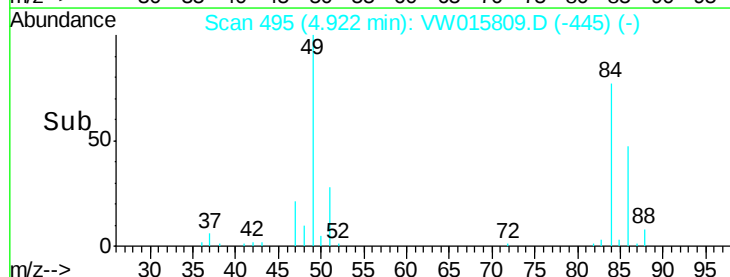
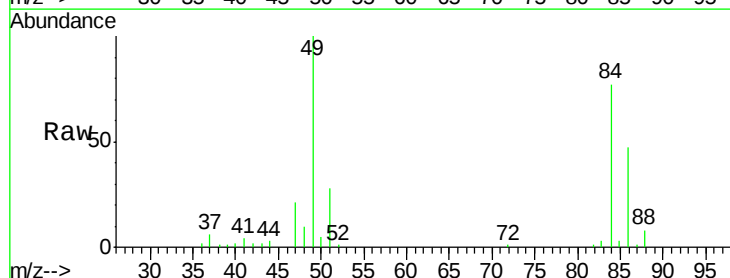
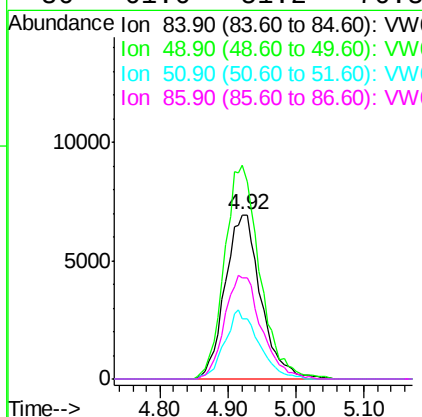
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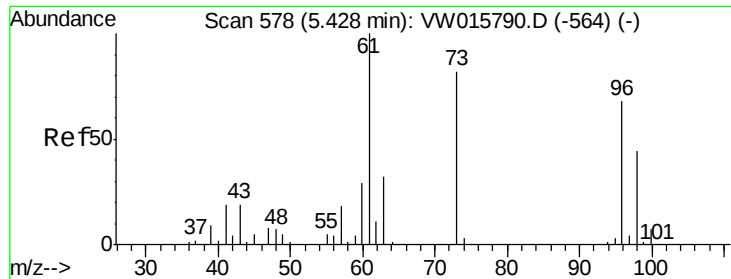
MMDadoda
7/9/2020 10:47:38 AM



#20
Methylene Chloride
Concen: 11.438 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion: 84 Resp: 25353
Ion Ratio Lower Upper
84 100
49 130.0 105.0 157.6
51 36.9 32.3 48.5
86 61.6 51.2 76.8





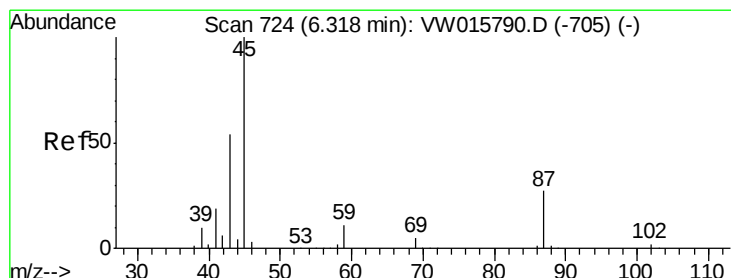
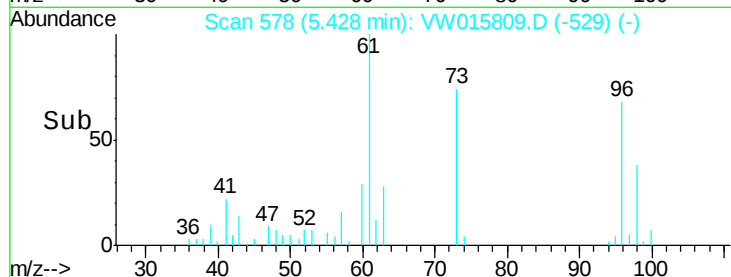
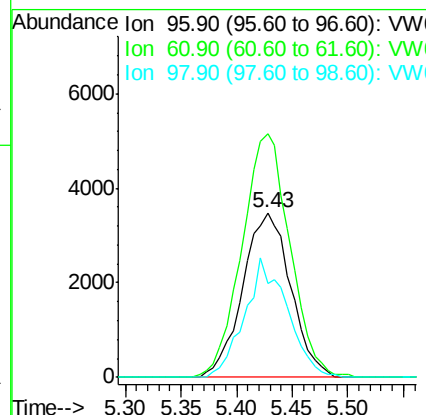
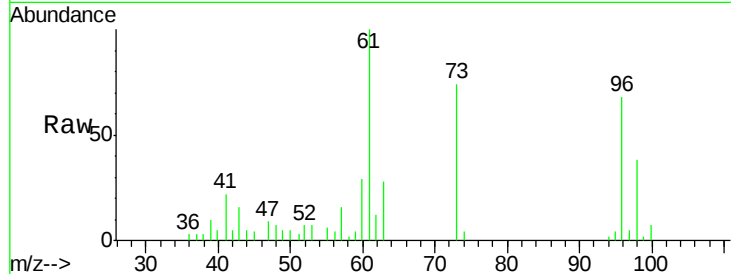
#21
trans-1,2-Dichloroethene
Concen: 4.978 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.9	118.1	177.1
98	56.9	52.6	78.8

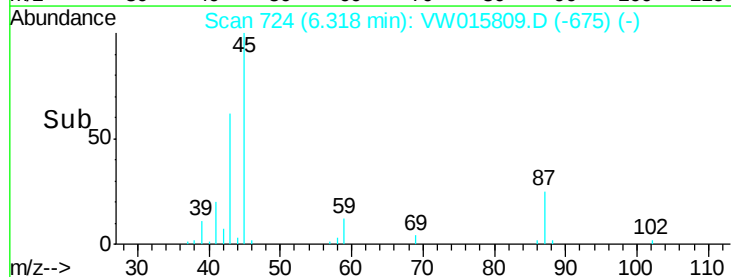
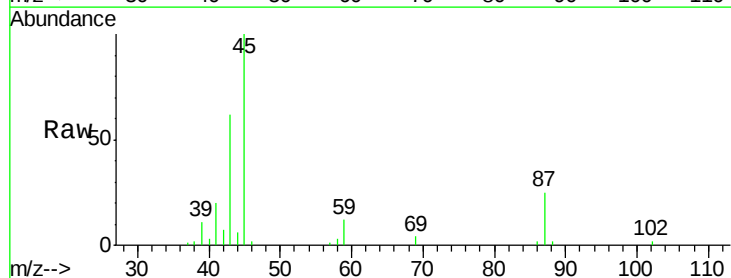
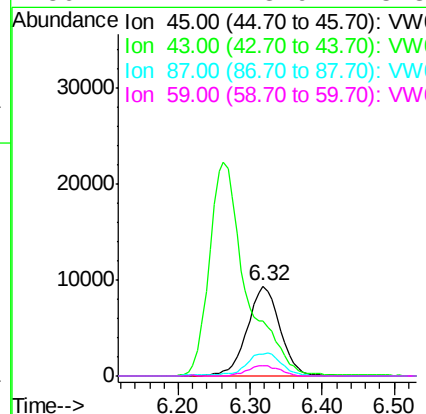
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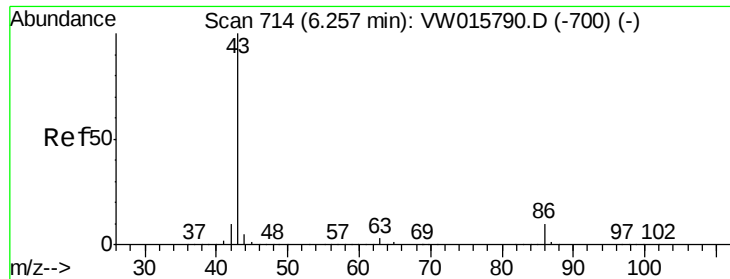
MMDadoda
7/9/2020 10:47:38 AM



#22
Diisopropyl ether
Concen: 4.959 ug/l
RT: 6.32 min Scan# 724
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.9	43.8	65.6
87	24.9	22.1	33.1
59	11.7	8.9	13.3





#23

Vinyl Acetate

Concen: 22.417 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 43 Resp: 79021

Ion Ratio Lower Upper

43 100

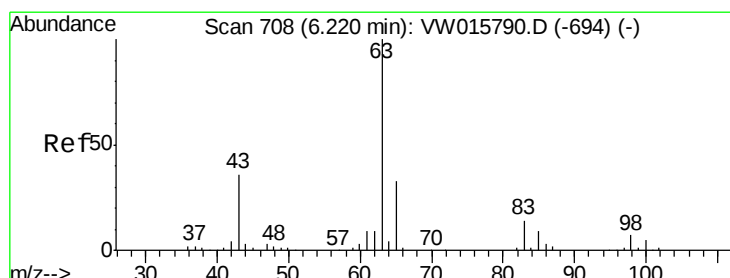
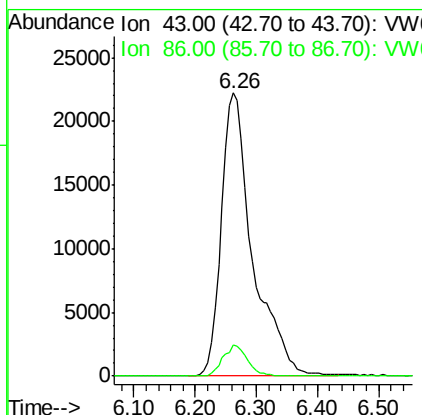
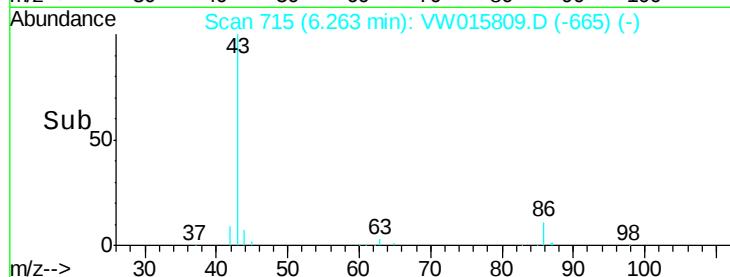
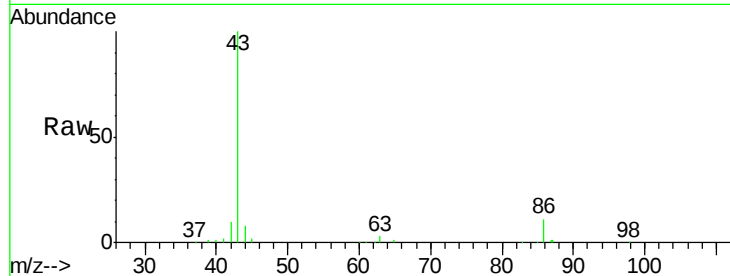
86 11.1 8.2 12.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.051 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

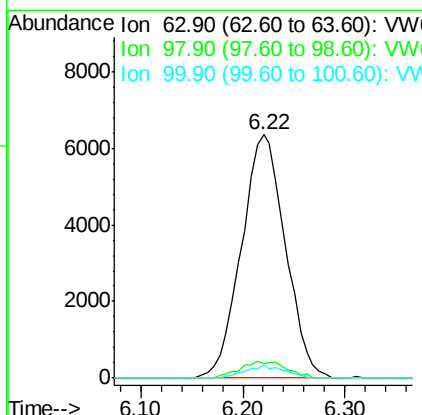
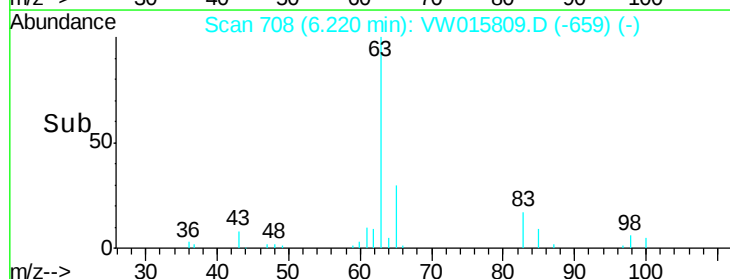
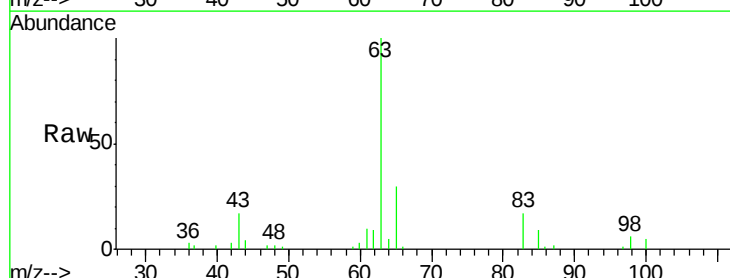
Tgt Ion: 63 Resp: 18952

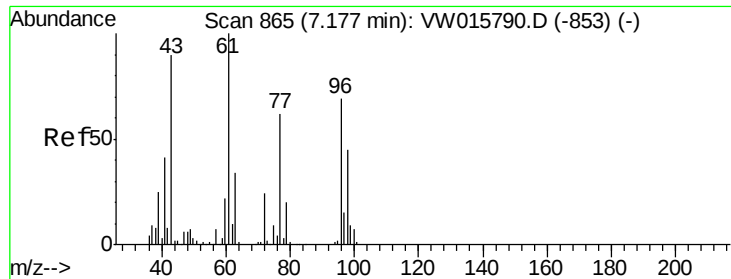
Ion Ratio Lower Upper

63 100

98 5.8 3.4 10.2

100 5.4 2.4 7.1





#25

2-Butanone

Concen: 27.412 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 43 Resp: 14202

Ion Ratio Lower Upper

43 100

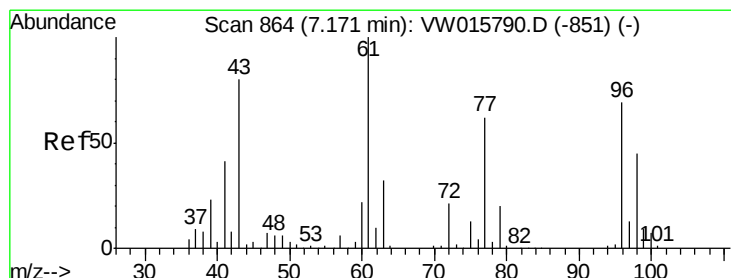
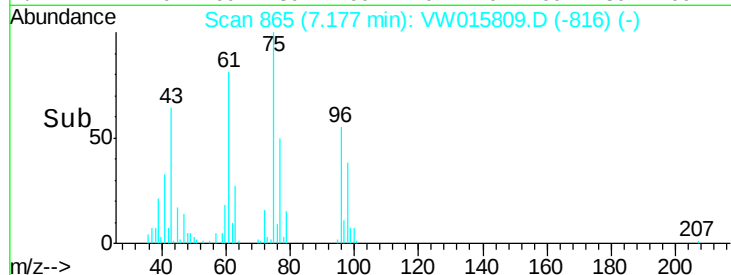
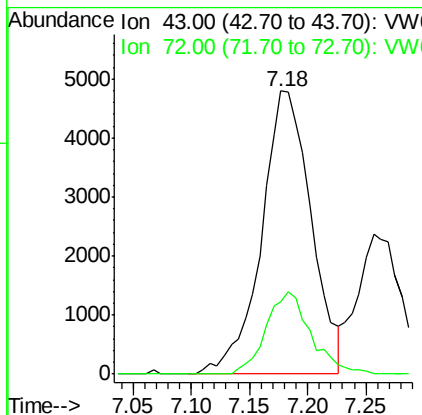
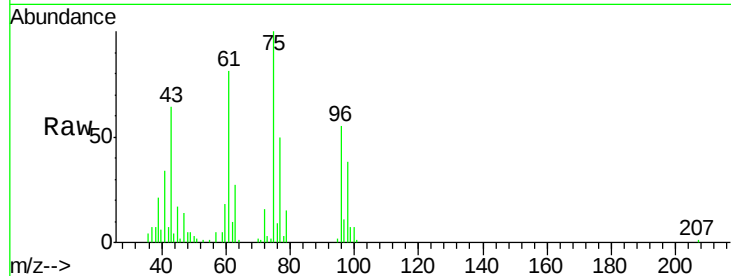
72 25.6 21.3 31.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.641 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015809.D

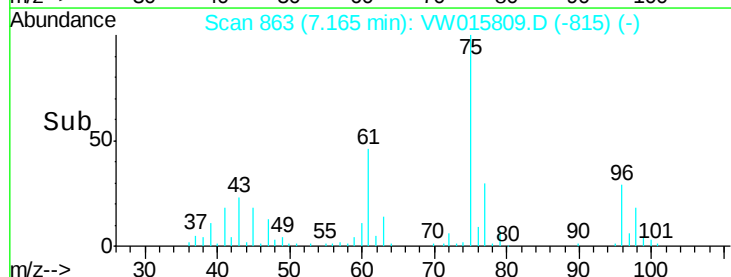
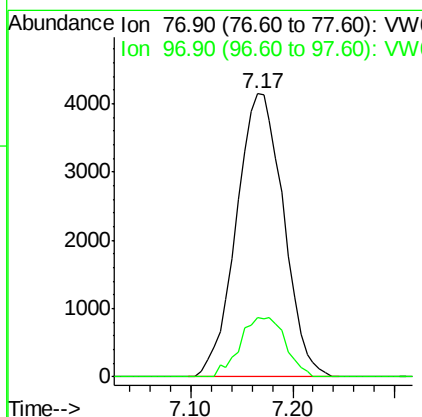
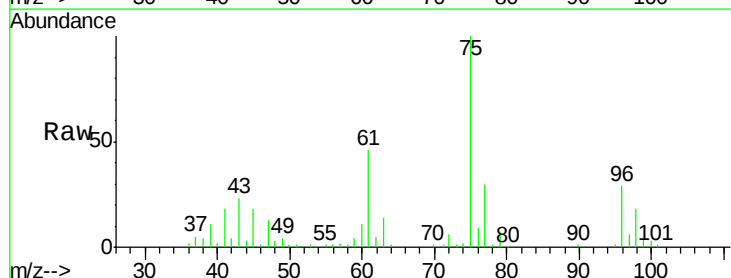
Acq: 08 Jul 2020 15:05

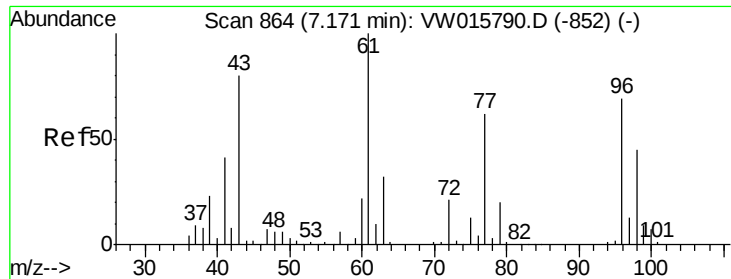
Tgt Ion: 77 Resp: 13279

Ion Ratio Lower Upper

77 100

97 20.2 11.0 33.0





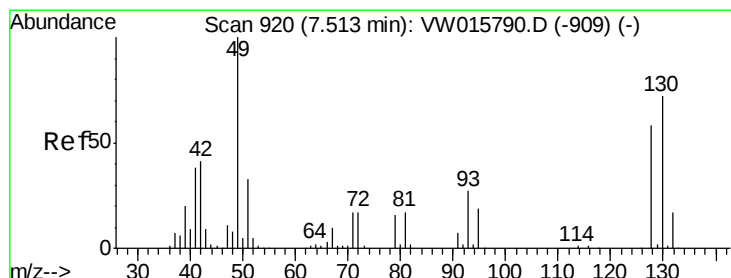
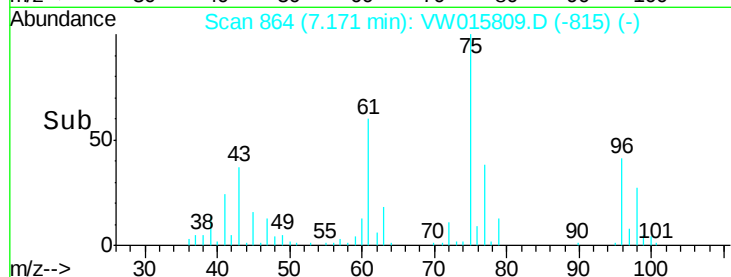
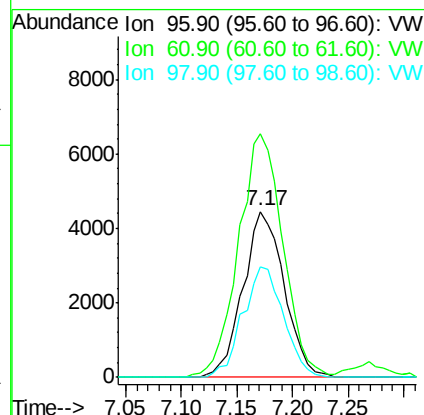
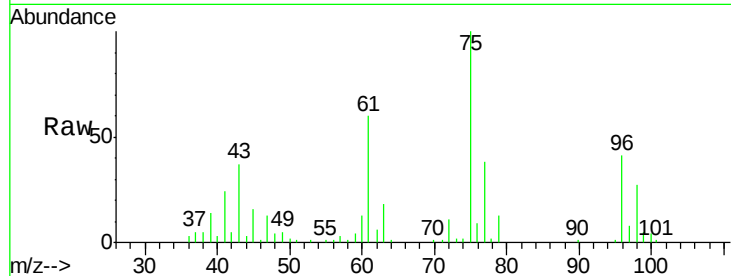
#27
 cis-1,2-Dichloroethene
 Concen: 5.107 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.2	0.0	292.2
98	65.6	0.0	129.0

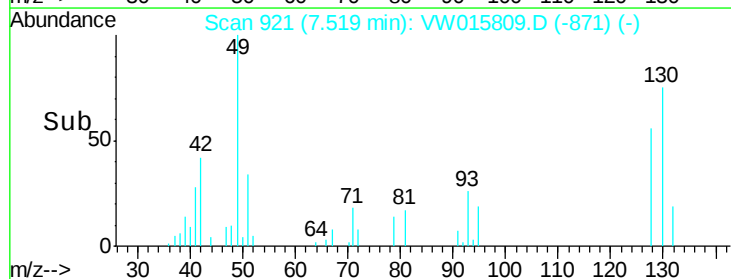
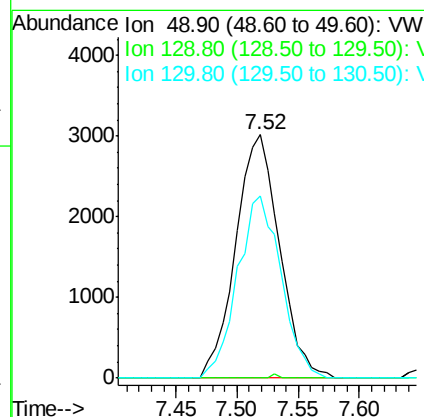
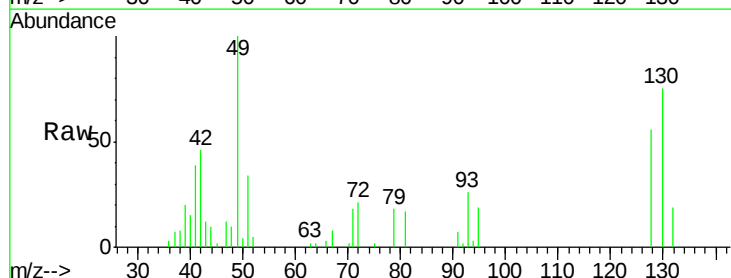
Manual Integrations
 APPROVED

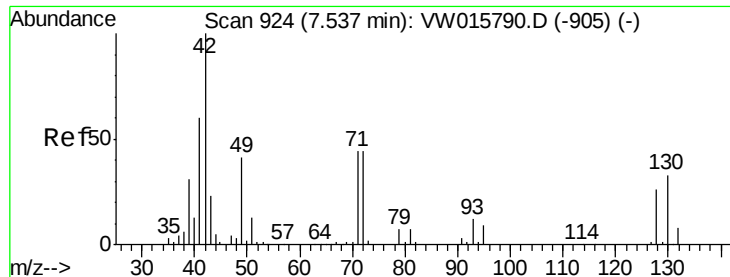
MMDadoda
 7/9/2020 10:47:38 AM



#28
 Bromochloromethane
 Concen: 5.036 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	2.6
130	74.4	59.5	89.3





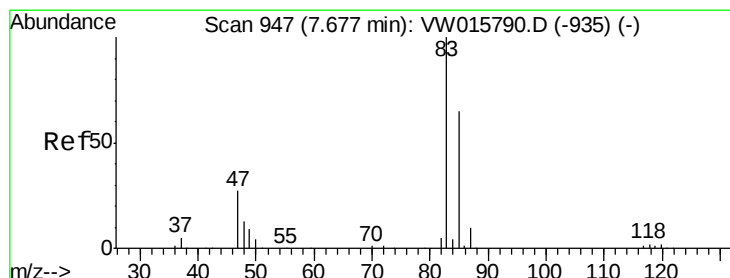
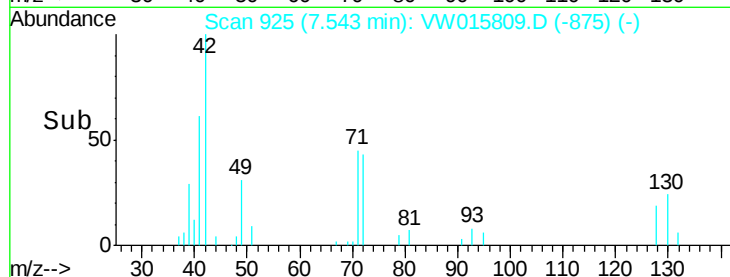
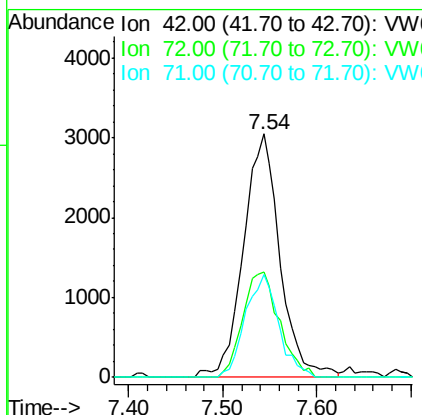
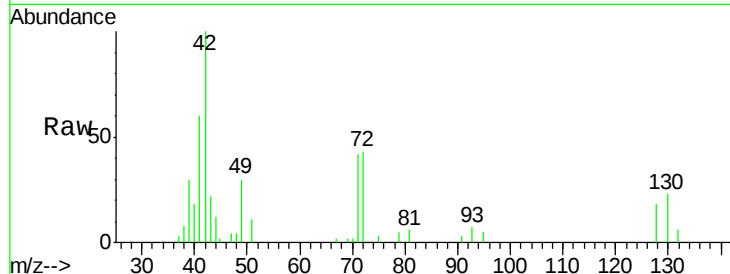
#29
Tetrahydrofuran
Concen: 26.314 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.6	51.8
71	38.5	32.8	49.2

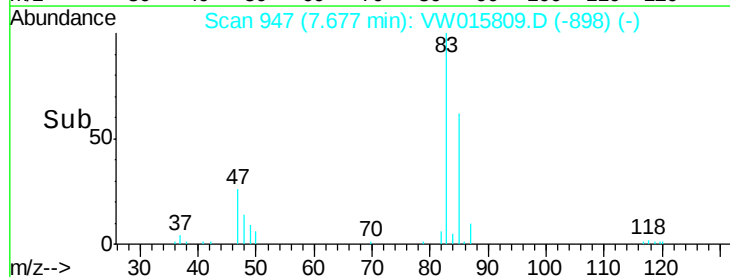
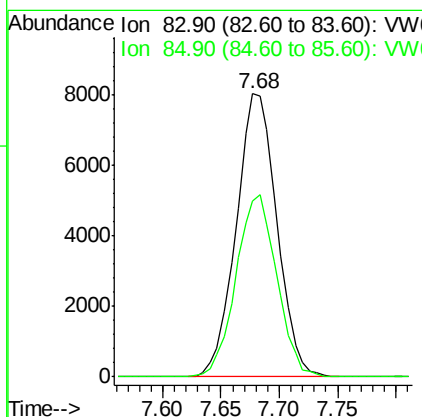
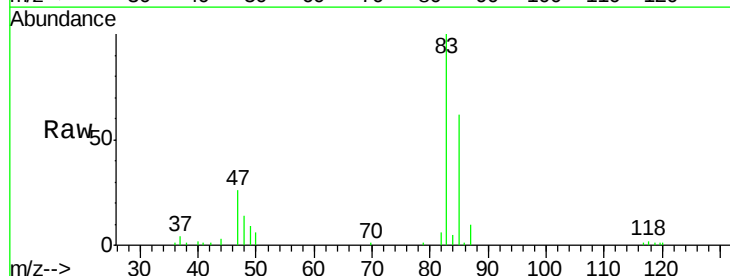
Manual Integrations
APPROVED

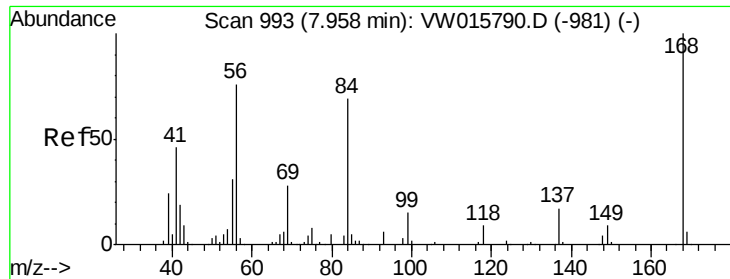
MMDadoda
7/9/2020 10:47:38 AM



#30
Chloroform
Concen: 5.084 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.6	77.4





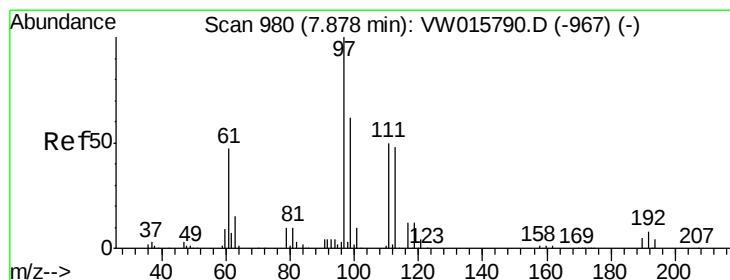
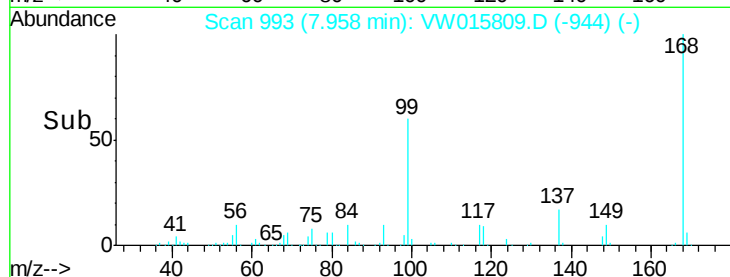
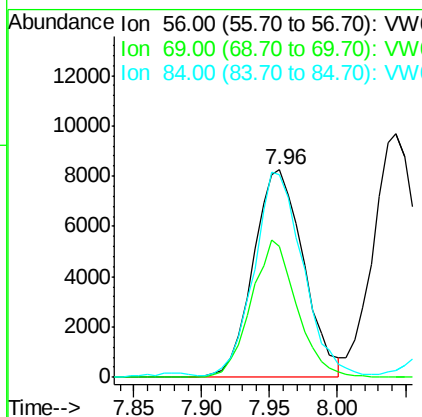
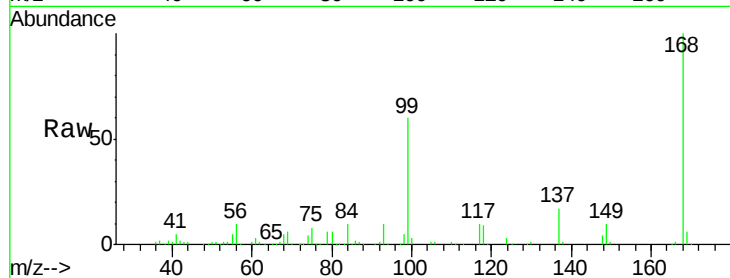
#31
Cyclohexane
Concen: 6.047 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	62.9	28.9	43.3#
84	96.4	72.2	108.4

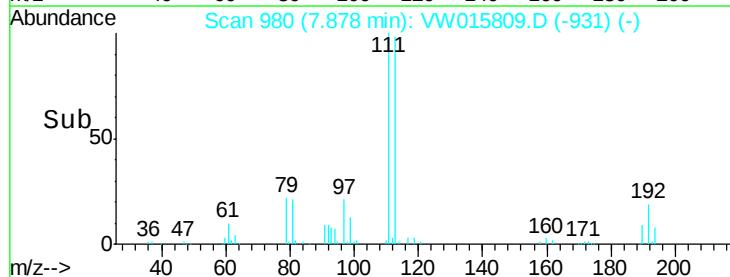
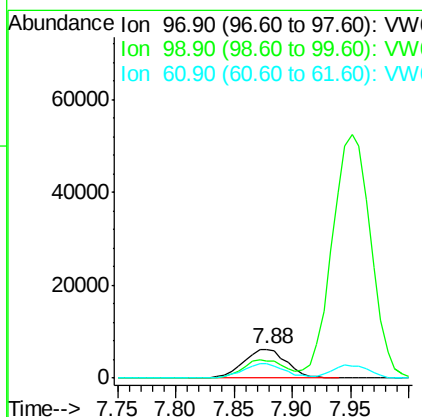
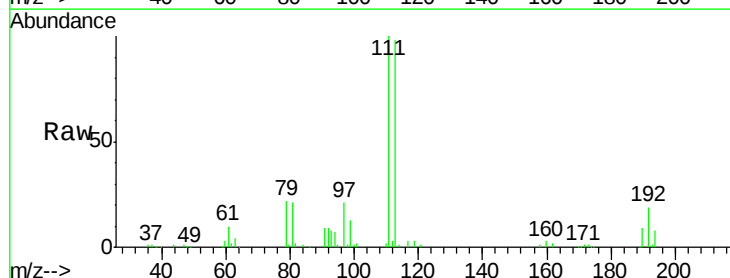
Manual Integrations
APPROVED

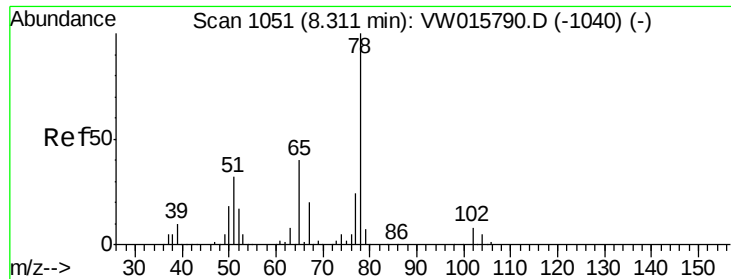
MMDadoda
7/9/2020 10:47:38 AM



#32
1,1,1-Trichloroethane
Concen: 5.033 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.4	51.0	76.4
61	49.8	38.6	57.8





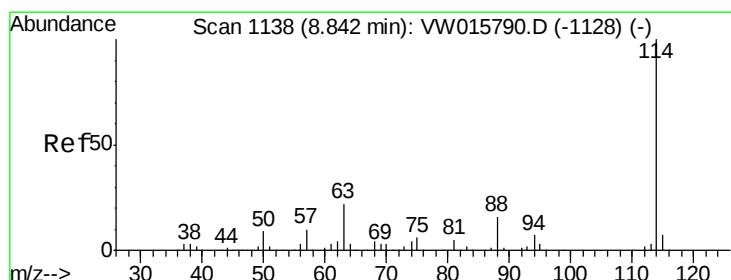
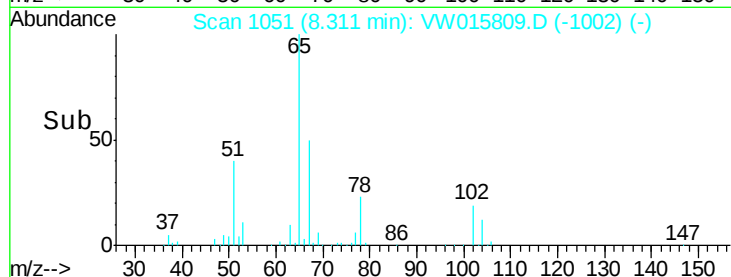
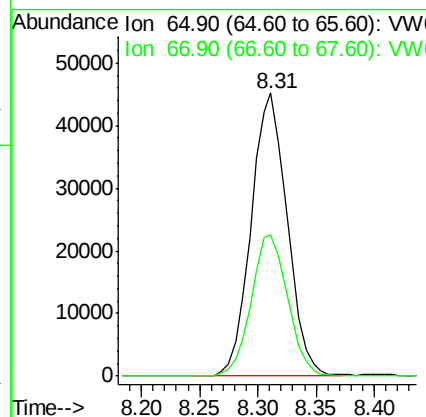
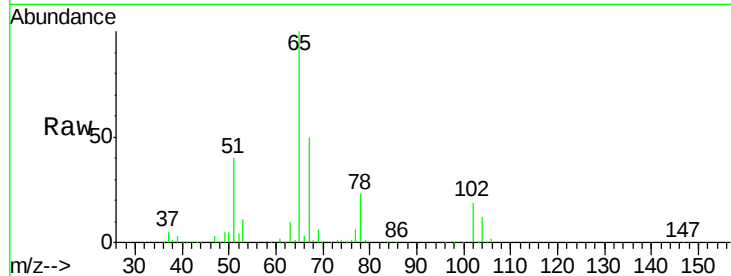
#33
 1,2-Dichloroethane-d4
 Concen: 47.921 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	101.4

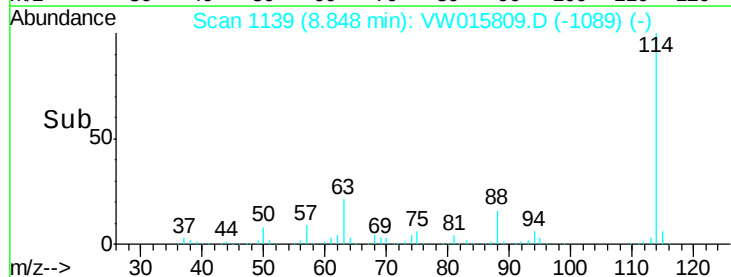
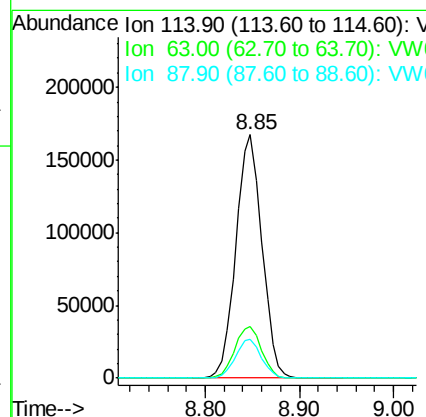
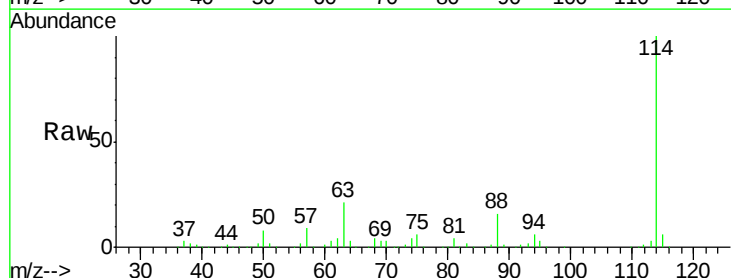
Manual Integrations
 APPROVED

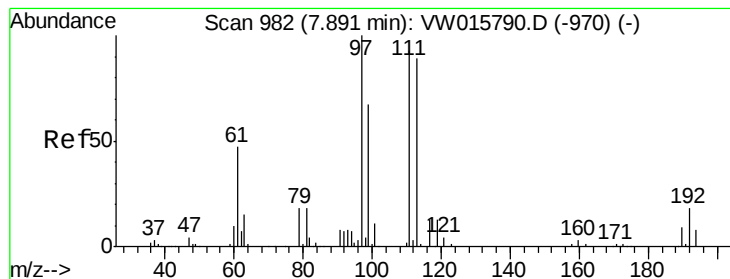
MMDadoda
 7/9/2020 10:47:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	44.4
88	16.1	0.0	32.6





#35

Dibromofluoromethane

Concen: 46.247 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

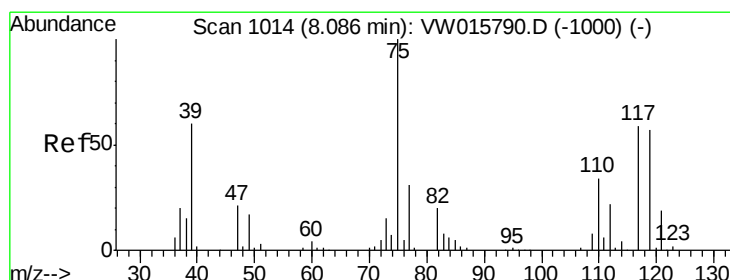
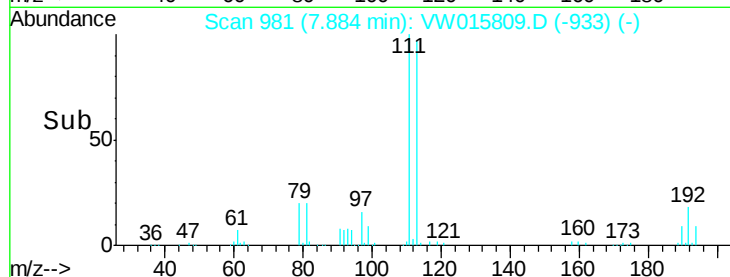
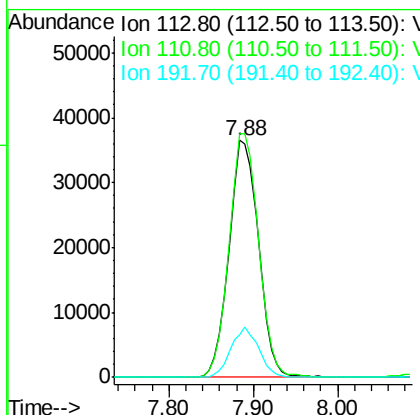
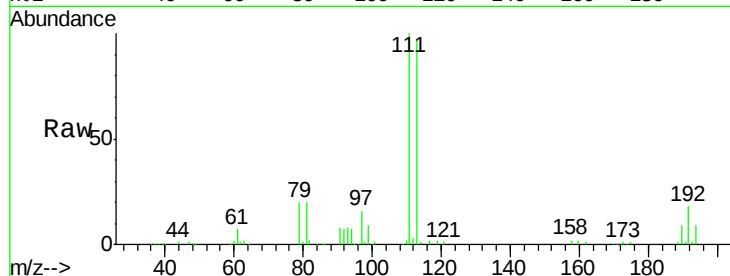
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	113	Resp:	86682
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.8	124.2
192	19.9	15.4	23.2

Manual Integrations
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MMDadoda
7/9/2020 10:47:38 AM



#36

1,1-Dichloropropene

Concen: 4.964 ug/l

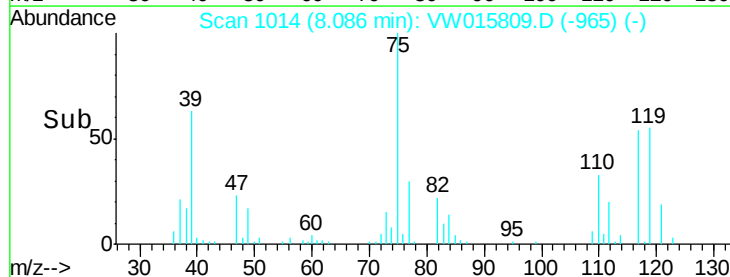
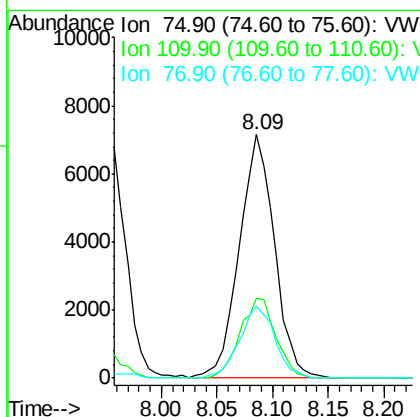
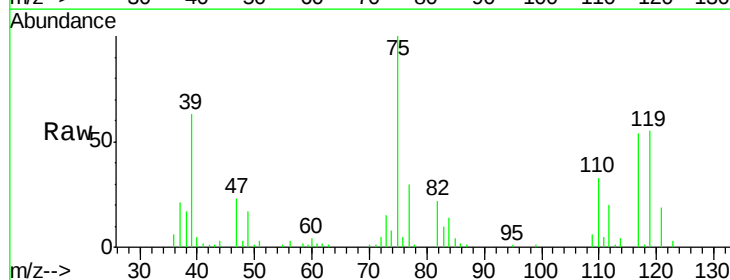
RT: 8.09 min Scan# 1014

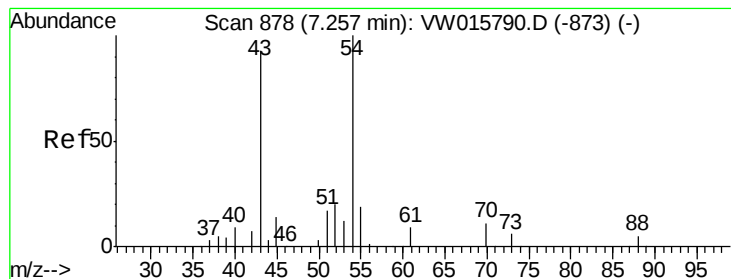
Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Tgt Ion:	75	Resp:	15721
Ion Ratio	Lower	Upper	
75	100		
110	33.0	16.8	50.3
77	29.9	24.7	37.1





#37

Ethyl Acetate

Concen: 5.484 ug/l

RT: 7.26 min Scan# 878

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

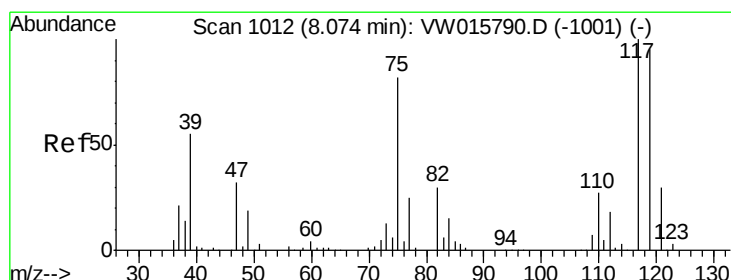
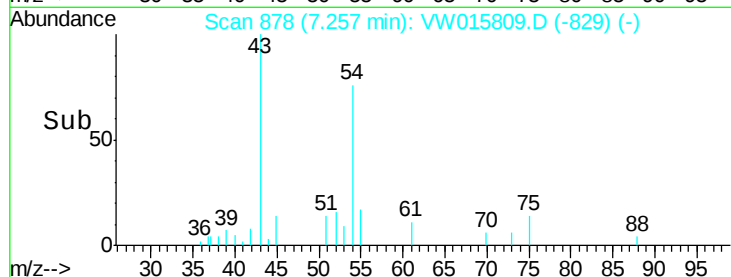
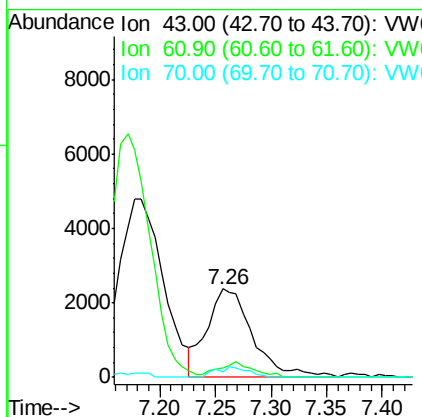
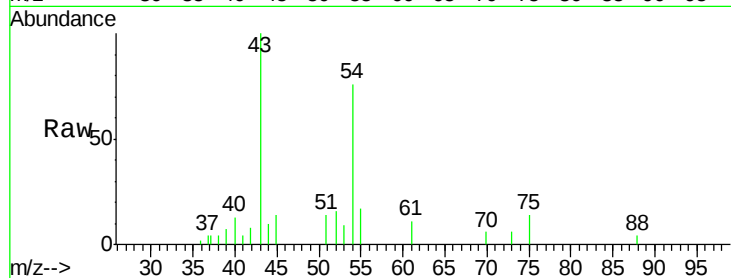
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	43	Resp:	6748
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	8.4	8.4	12.6

Manual Integrations
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MMDadoda
7/9/2020 10:47:38 AM



#38

Carbon Tetrachloride

Concen: 4.759 ug/l

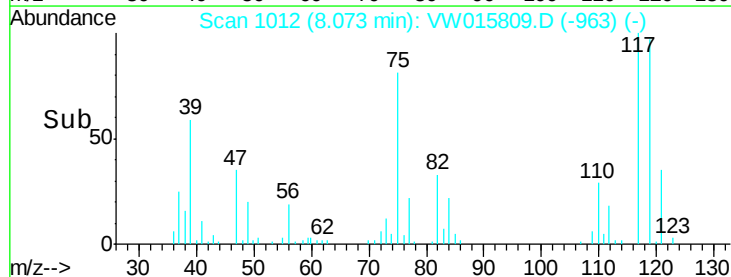
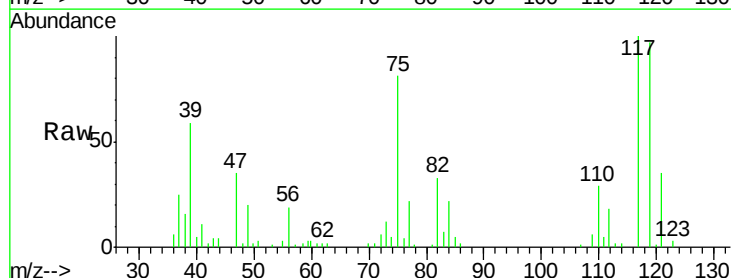
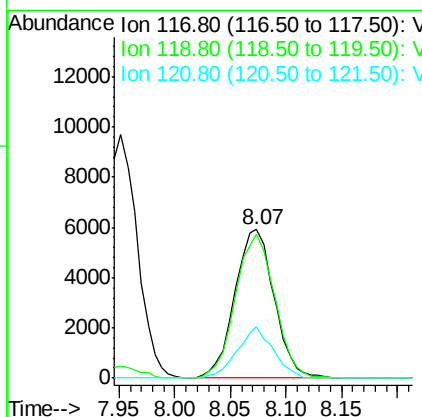
RT: 8.07 min Scan# 1012

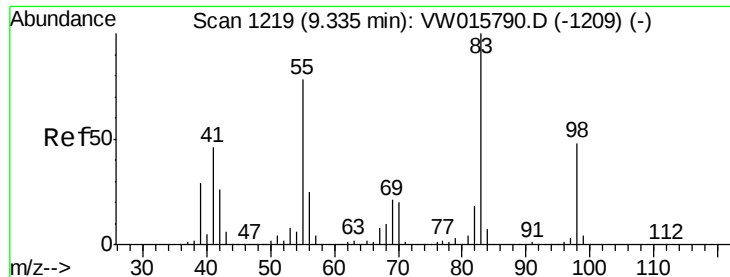
Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Tgt Ion:	117	Resp:	14584
Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.3	114.5
121	34.6	24.0	36.0





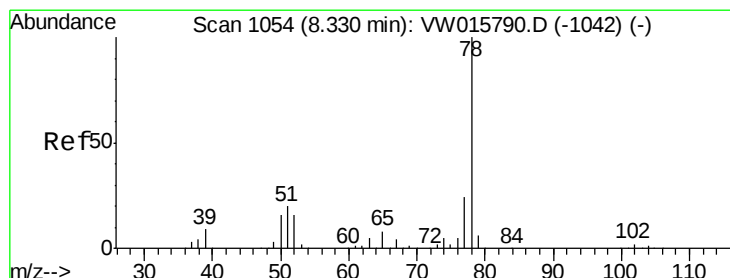
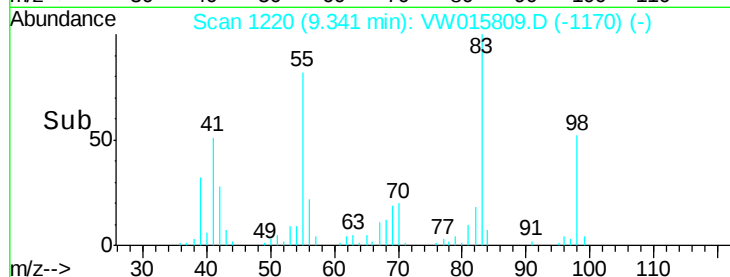
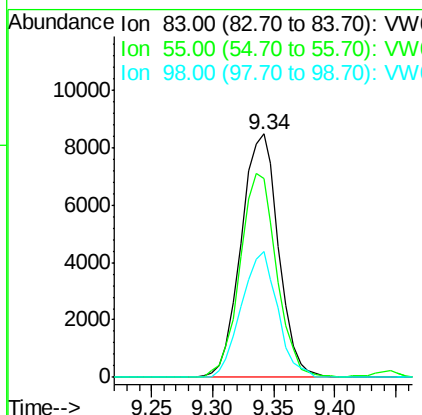
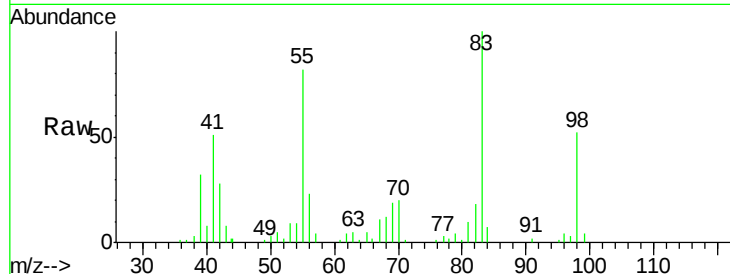
#39
Methvlcvclohexane
Concen: 4.828 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion	83	Resp	18043
Ion Ratio	100	Lower	Upper
83	100		
55	81.6	62.6	94.0
98	51.9	38.6	58.0

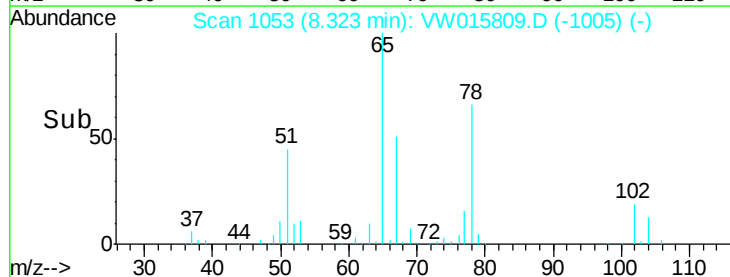
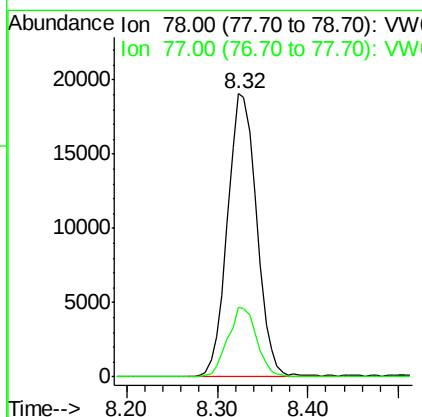
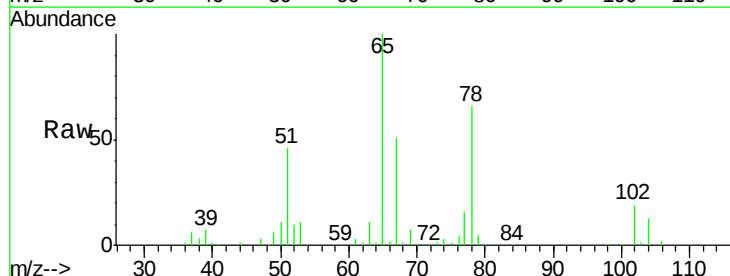
Manual Integrations
APPROVED

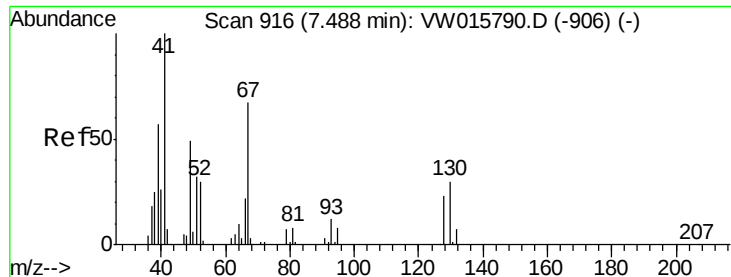
MMDadoda
7/9/2020 10:47:38 AM



#40
Benzene
Concen: 4.944 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion	78	Resp	42893
Ion Ratio	100	Lower	Upper
78	100		
77	24.5	19.0	28.6





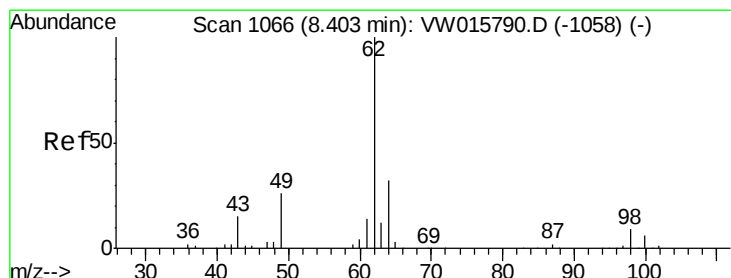
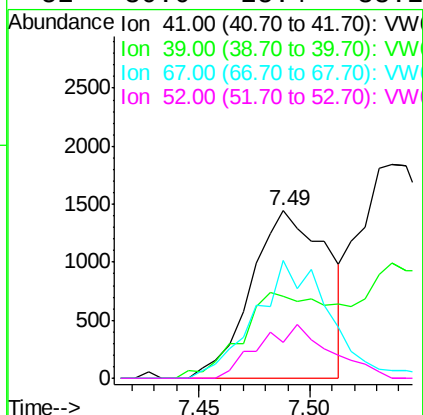
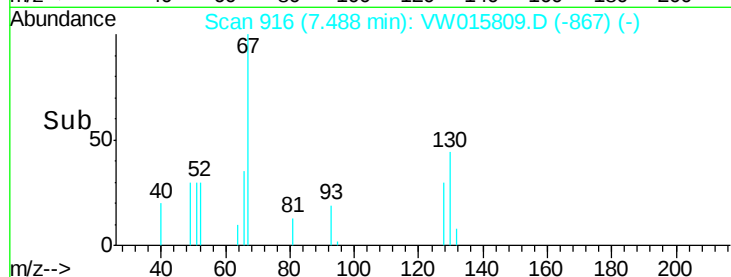
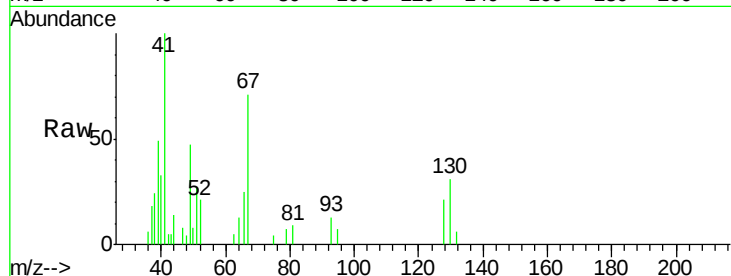
#41
Methacrylonitrile
Concen: 4.937 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.3	44.6	66.8
67	68.8	56.4	84.6
52	30.0	25.4	38.2

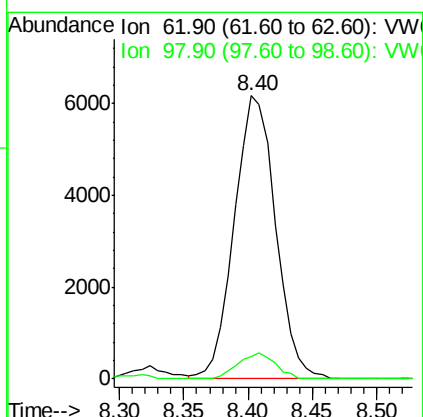
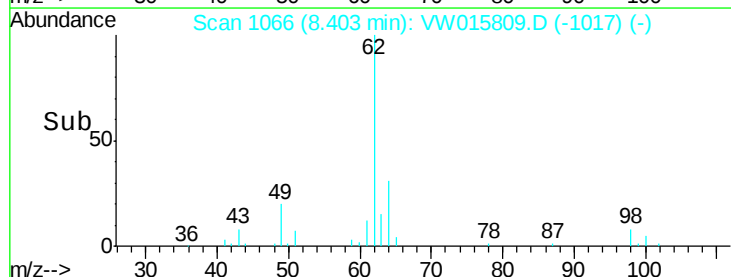
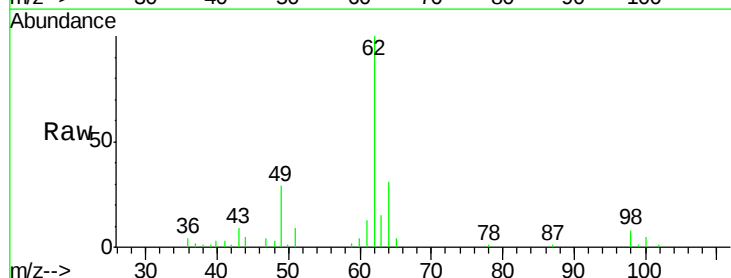
Manual Integrations
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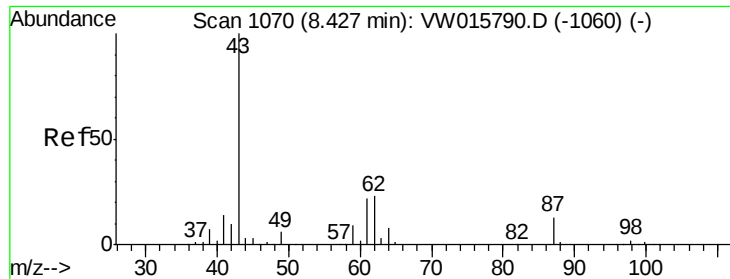
MMDadoda
7/9/2020 10:47:38 AM



#42
1,2-Dichloroethane
Concen: 5.077 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.2





#43

Isopropyl Acetate

Concen: 4.815 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

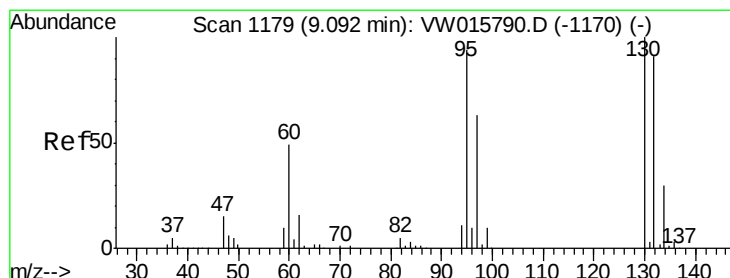
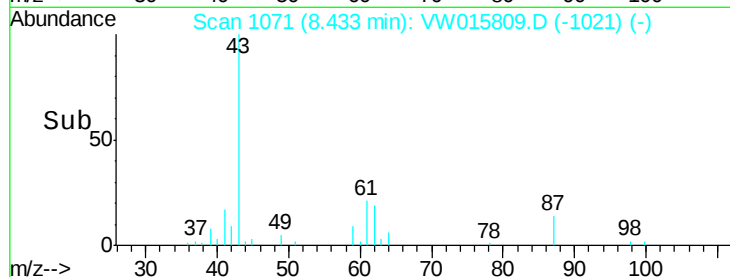
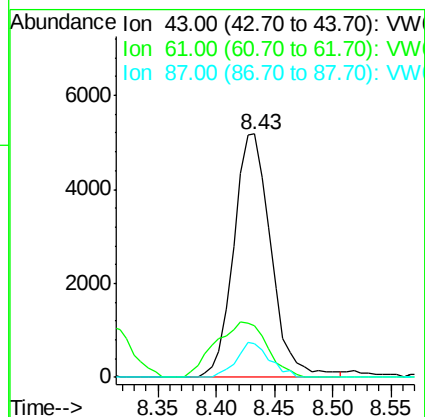
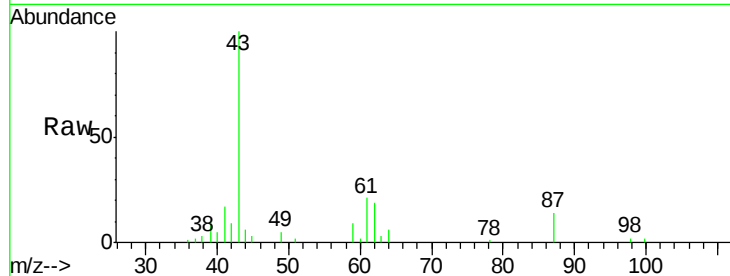
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	43	Resp:	11566
Ion	Ratio	Lower	Upper
43	100		
61	31.5	24.8	37.2
87	12.7	10.4	15.6

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#44

Trichloroethene

Concen: 4.951 ug/l

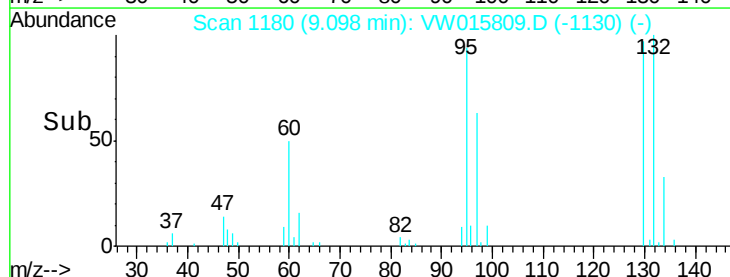
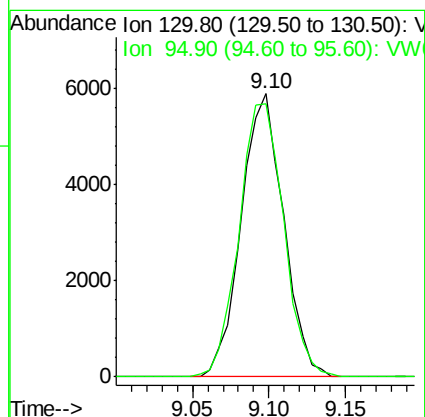
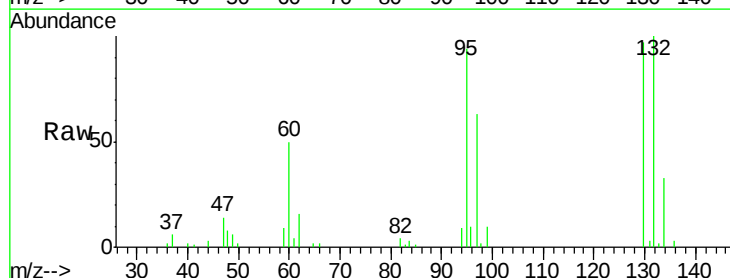
RT: 9.10 min Scan# 1180

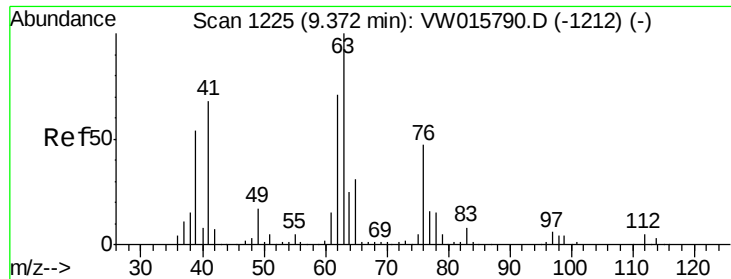
Delta R.T. 0.01 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Tgt Ion:	130	Resp:	11360
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	188.6





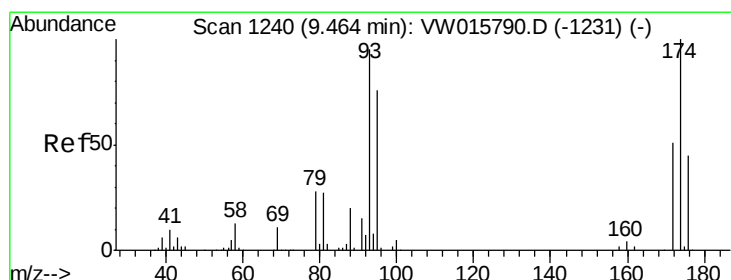
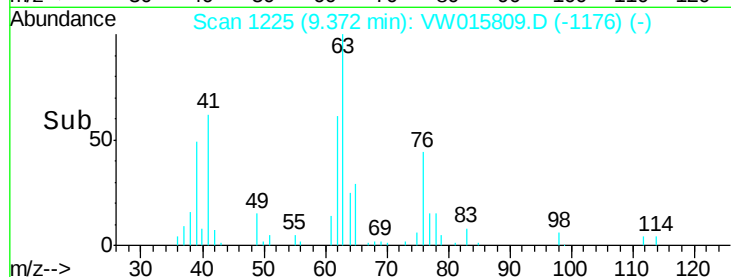
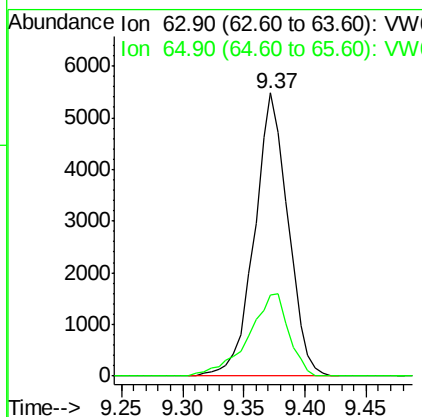
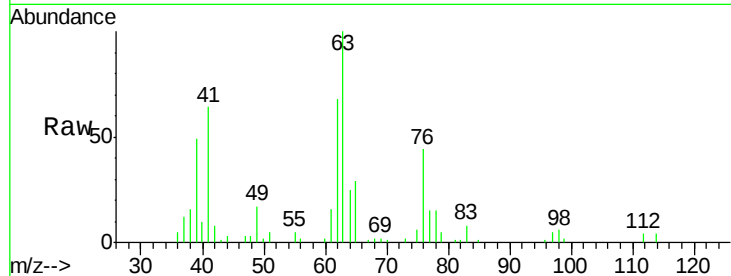
#45
 1,2-Dichloropropane
 Concen: 4.921 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.6	24.5	36.7

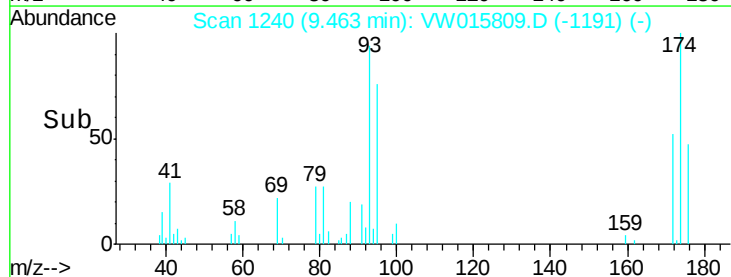
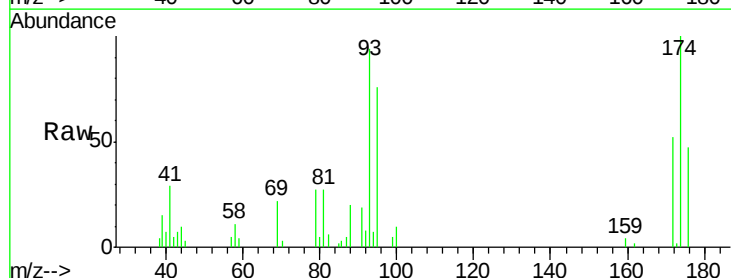
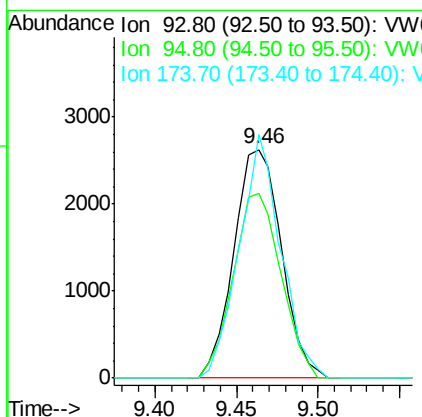
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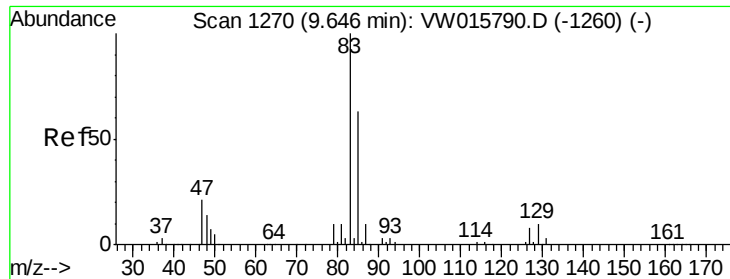
MMDadoda
 7/9/2020 10:47:38 AM



#46
 Dibromomethane
 Concen: 4.848 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	66.0	99.0
174	93.3	78.7	118.1





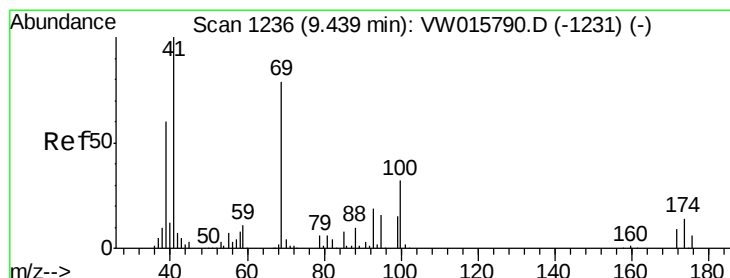
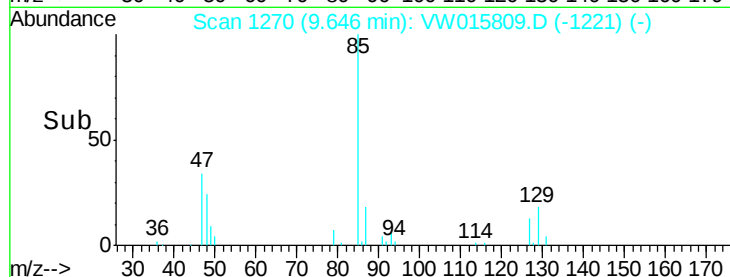
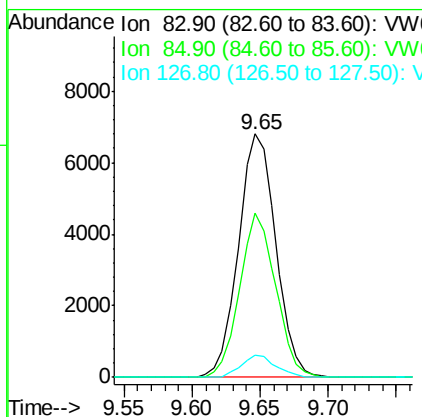
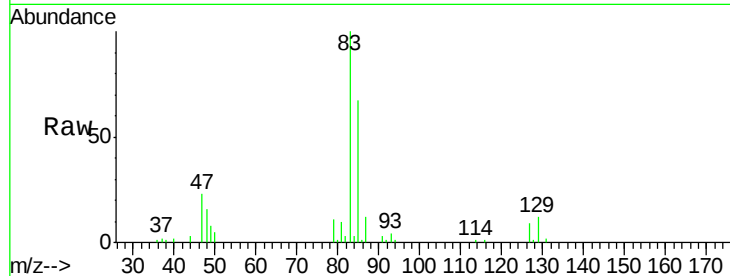
#47
Bromodichloromethane
Concen: 4.606 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion	83	Resp	13079
Ion Ratio	100	Lower	Upper
83	100		
85	67.2	50.6	76.0
127	9.0	6.2	9.2

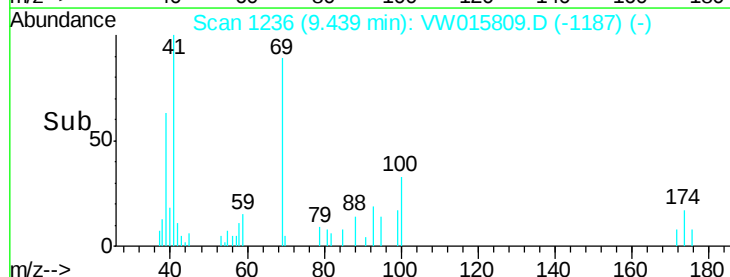
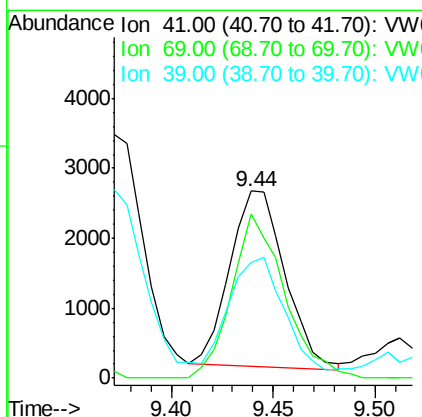
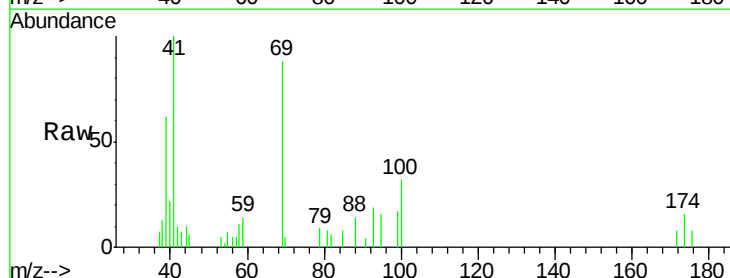
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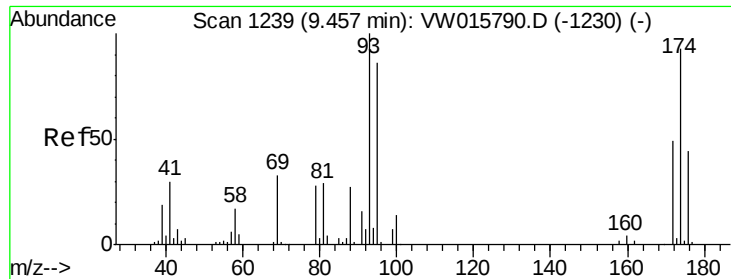
MMDadoda
7/9/2020 10:47:38 AM



#48
Methyl methacrylate
Concen: 4.295 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion	41	Resp	4728
Ion Ratio	100	Lower	Upper
41	100		
69	89.0	67.1	100.7
39	62.7	49.9	74.9





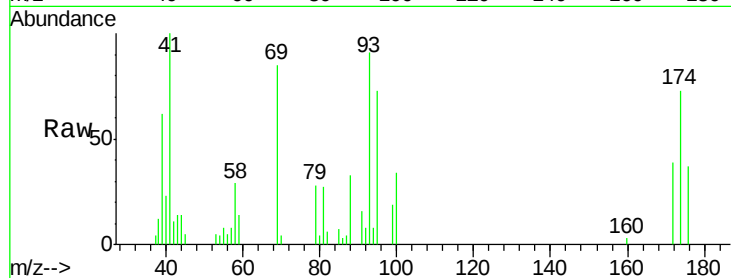
#49
1,4-Dioxane
Concen: 108.677 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

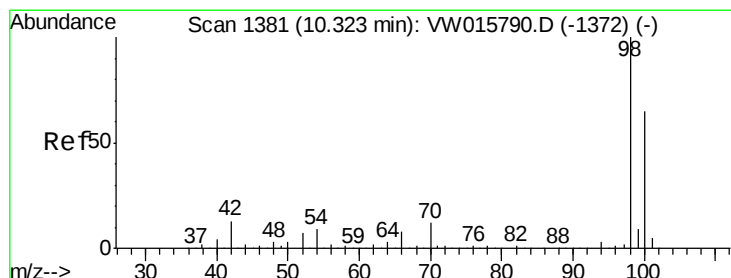
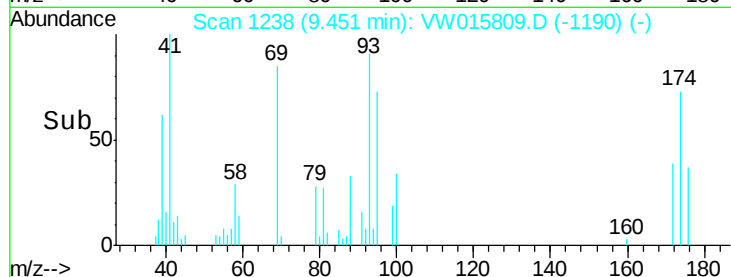
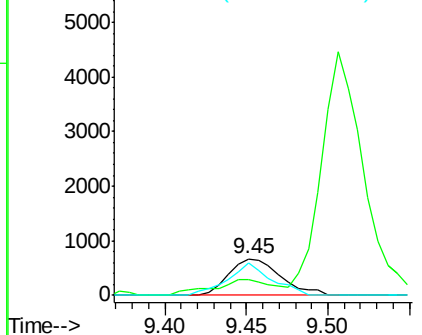
Tot Ion	Ratio	Lower	Upper
88	100		
43	51.7	28.1	42.1#
58	73.9	59.3	88.9

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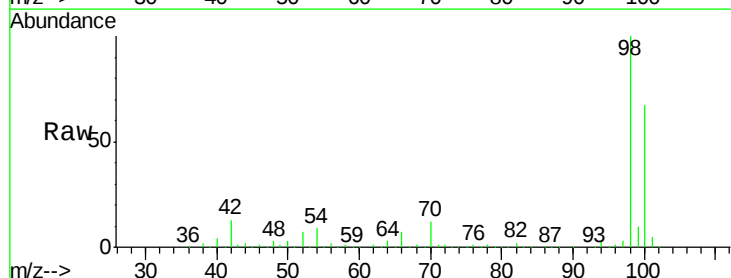


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

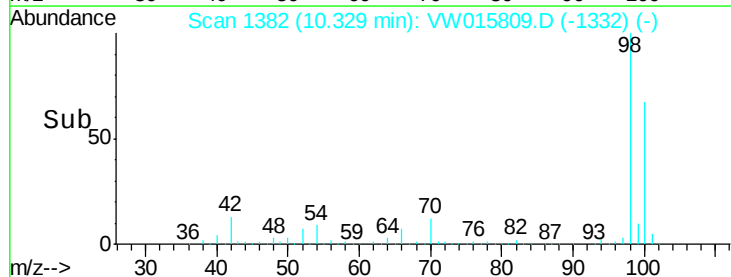
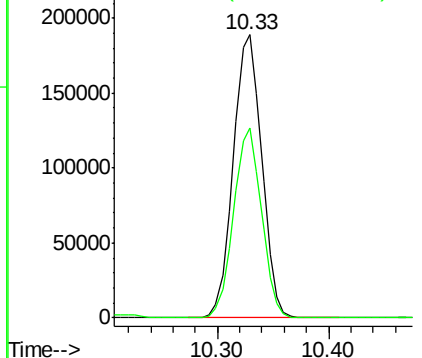


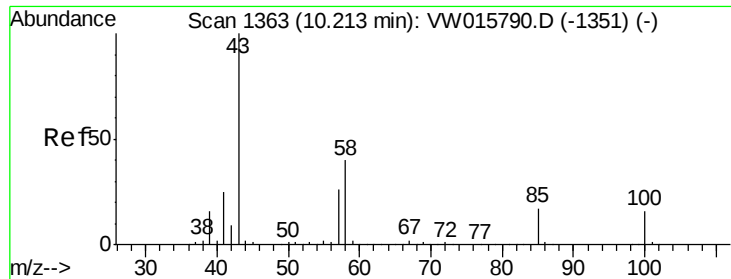
#50
Toluene-d8
Concen: 46.498 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	79.0



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





#51

4-Methyl-2-Pentanone

Concen: 23.880 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 43 Resp: 27989

Ion Ratio Lower Upper

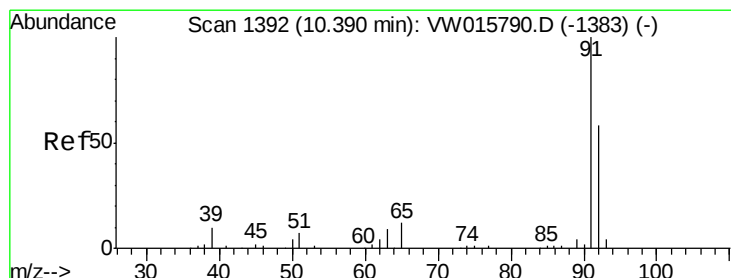
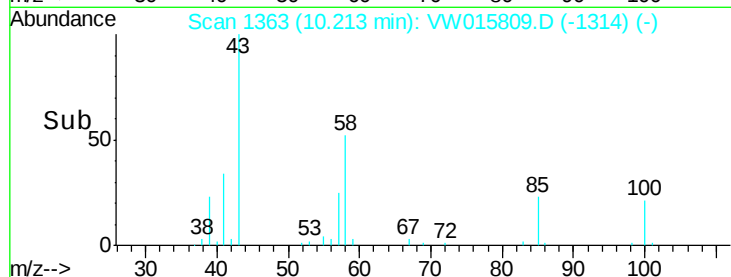
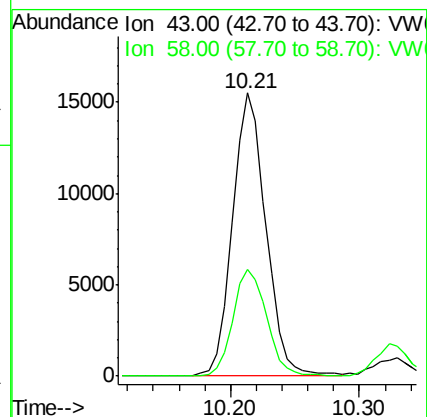
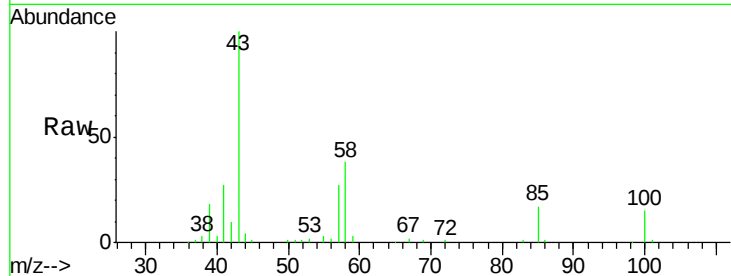
43 100

58 37.9 30.9 46.3

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#52

Toluene

Concen: 4.958 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015809.D

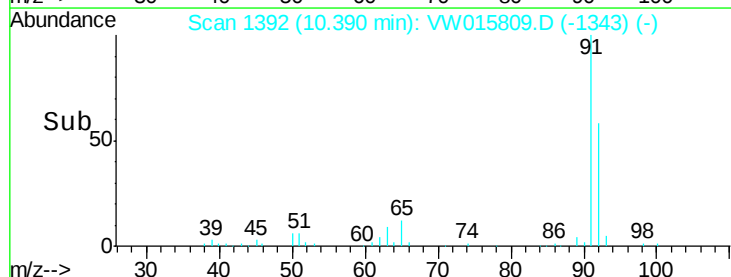
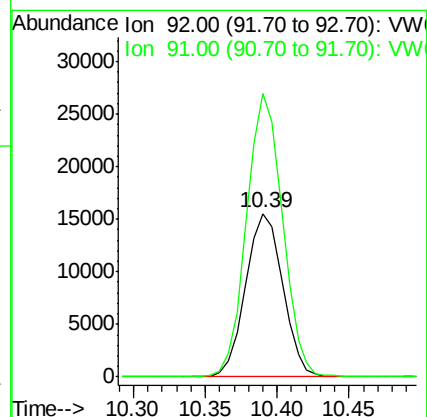
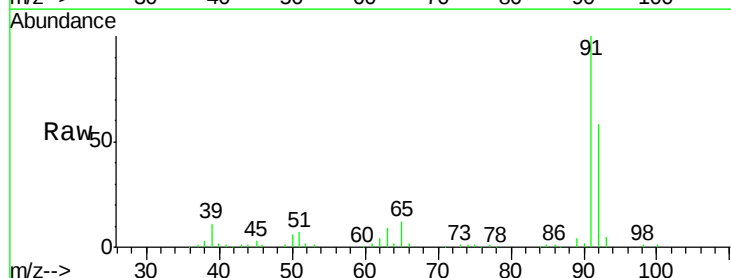
Acq: 08 Jul 2020 15:05

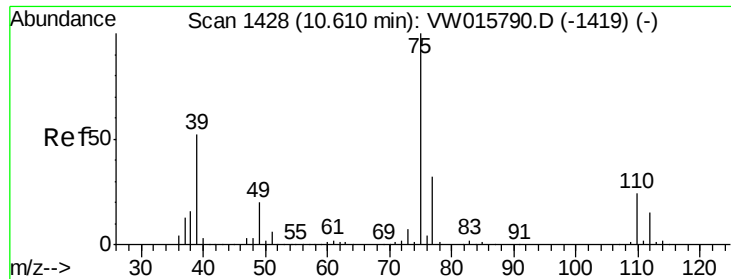
Tgt Ion: 92 Resp: 27676

Ion Ratio Lower Upper

92 100

91 168.3 137.1 205.7





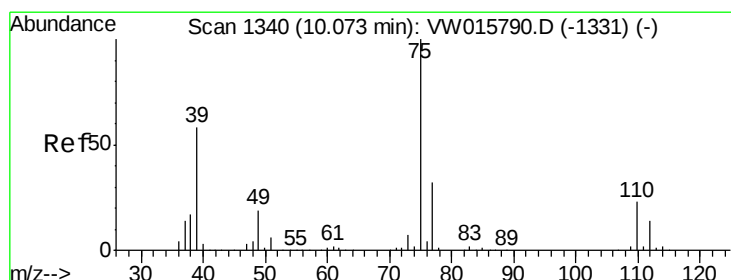
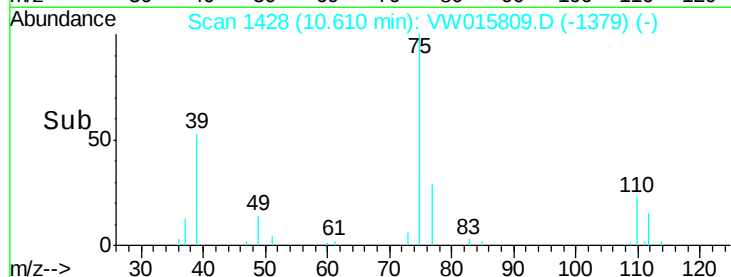
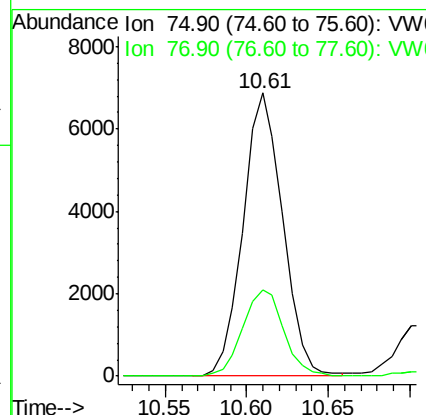
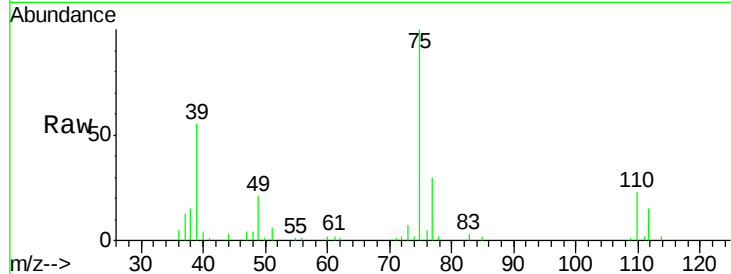
#53
t-1,3-Dichloropropene
Concen: 4.274 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion: 75 Resp: 11643
Ion Ratio Lower Upper
75 100
77 30.5 25.4 38.0

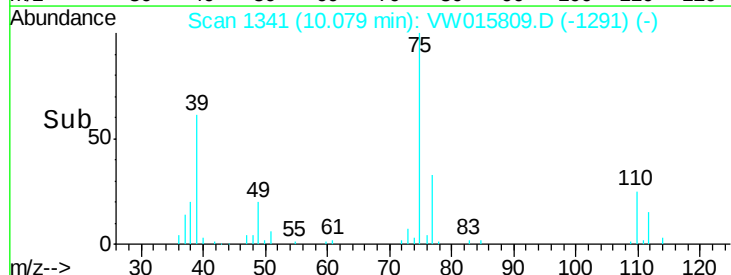
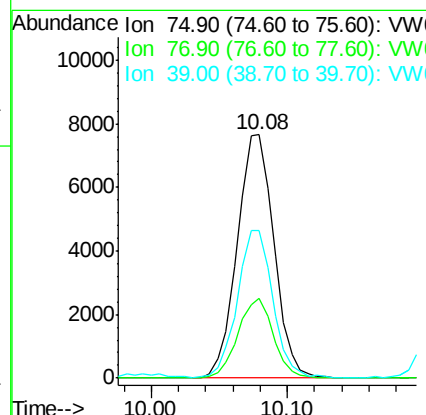
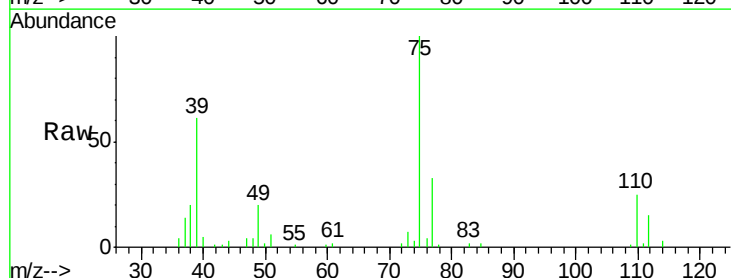
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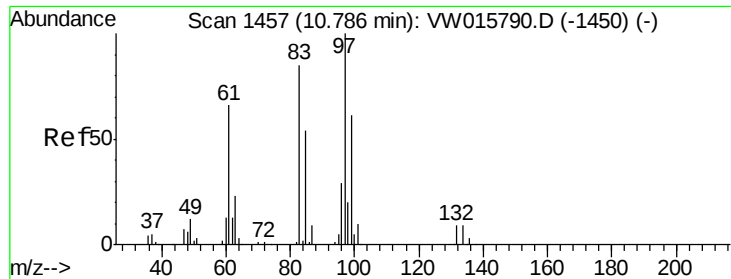
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 4.431 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. 0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion: 75 Resp: 14440
Ion Ratio Lower Upper
75 100
77 32.7 25.2 37.8
39 60.6 46.0 69.0





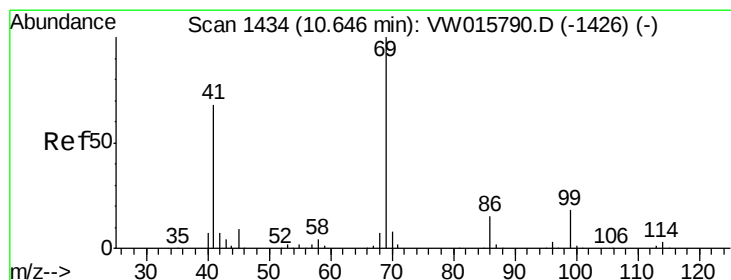
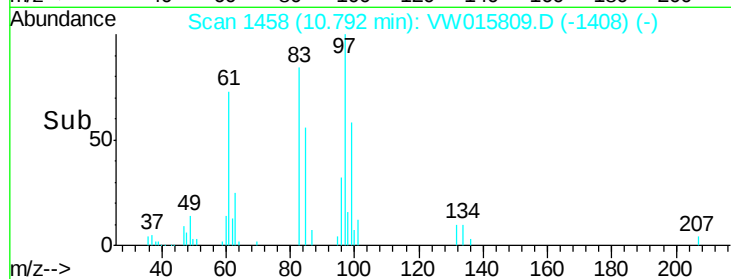
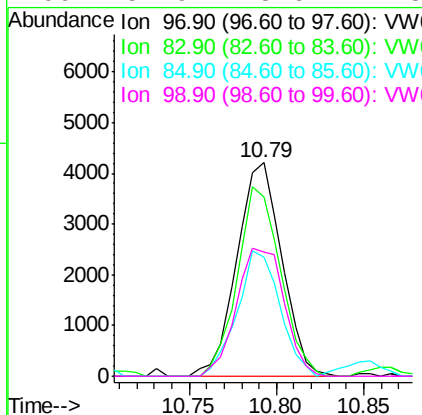
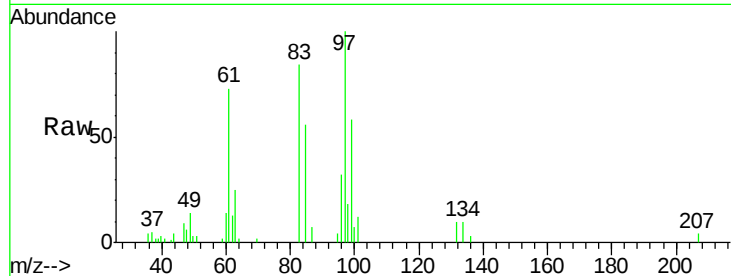
#55
 1,1,2-Trichloroethane
 Concen: 4.955 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

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

Tot Ion:	97	Resp:	7543
Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.2	102.4
85	55.8	43.4	65.0
99	57.9	48.6	72.8

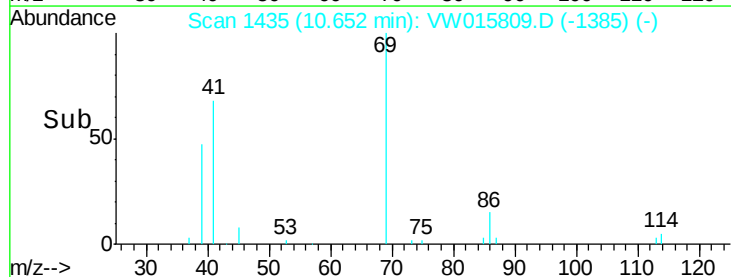
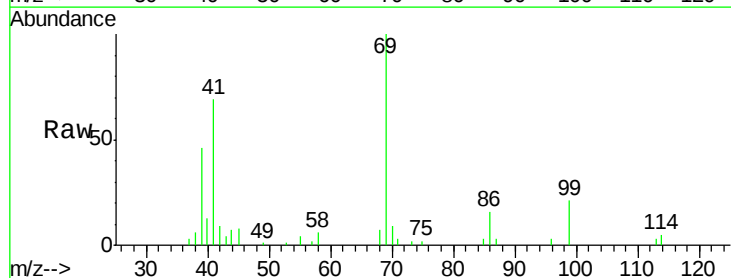
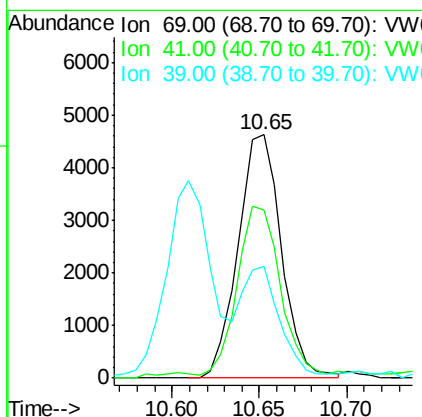
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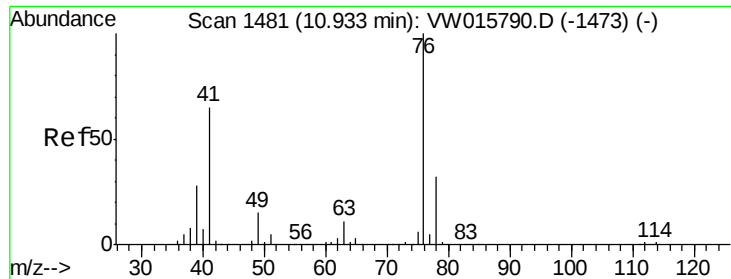
MMDadoda
 7/9/2020 10:47:38 AM



#56
 Ethyl methacrylate
 Concen: 4.266 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion:	69	Resp:	7983
Ion	Ratio	Lower	Upper
69	100		
41	68.4	55.0	82.6
39	40.3	33.8	50.8





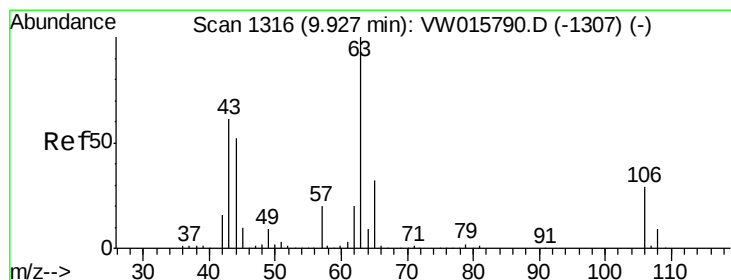
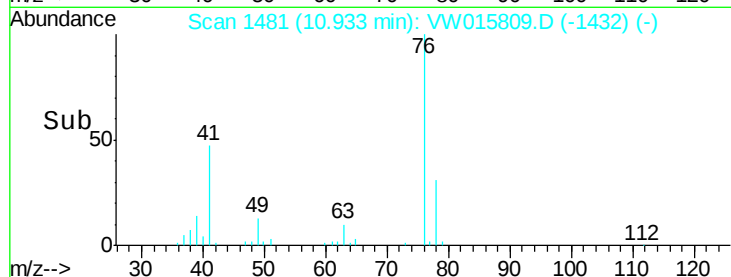
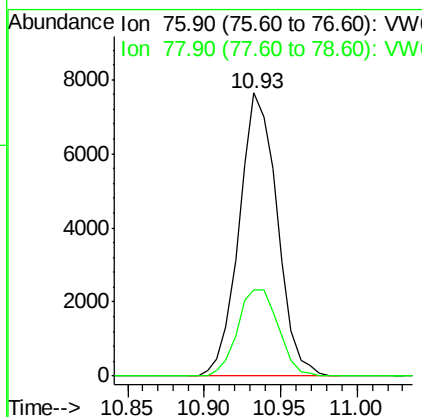
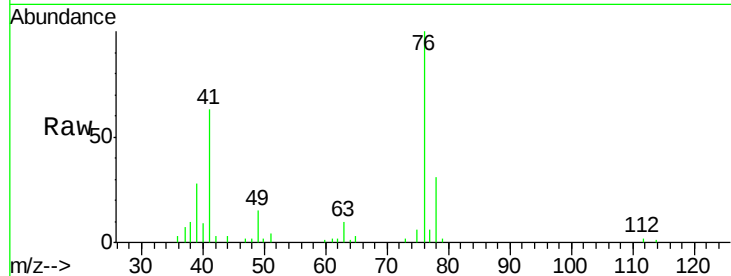
#57
 1,3-Dichloropropane
 Concen: 4.907 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

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

Tot Ion: 76 Resp: 13222
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5

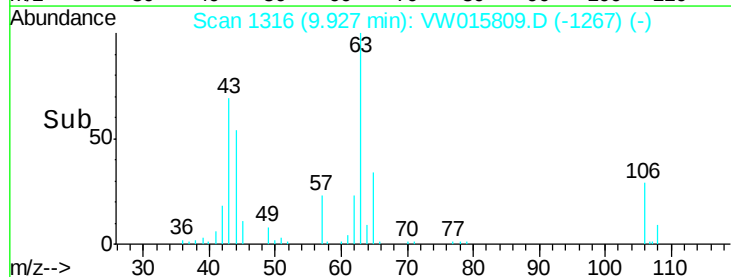
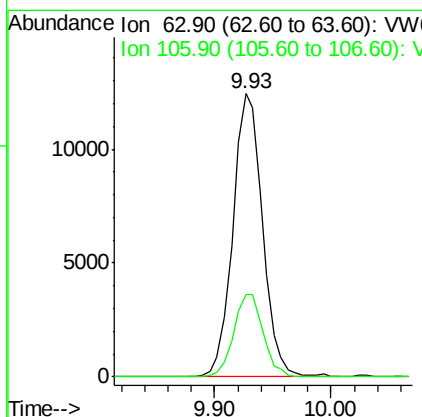
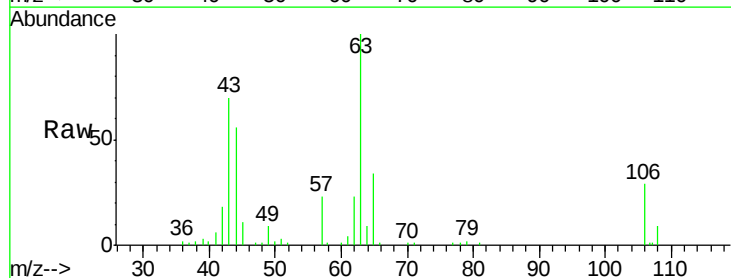
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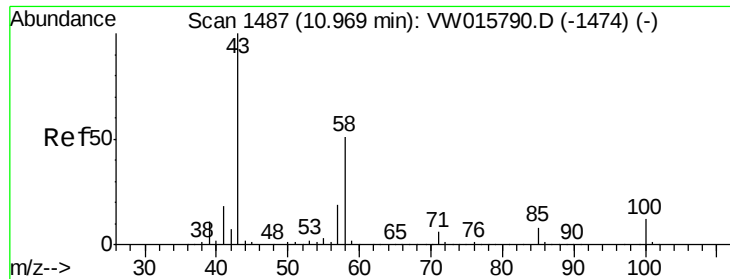
MMDadoda
 7/9/2020 10:47:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.125 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion: 63 Resp: 22061
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.1 34.7





#59

2-Hexanone

Concen: 23.251 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 43 Resp: 18187

Ion Ratio Lower Upper

43 100

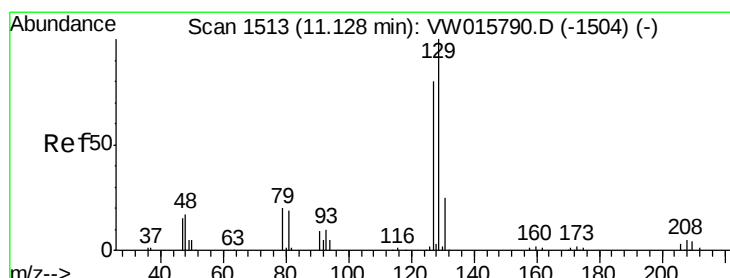
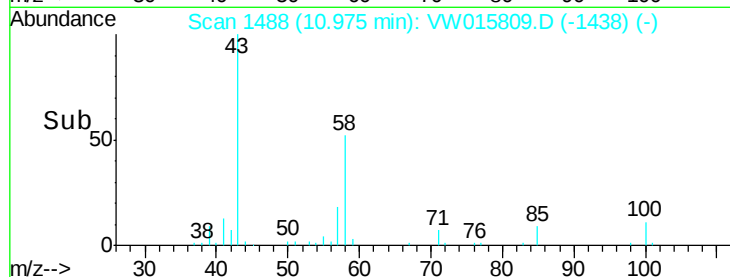
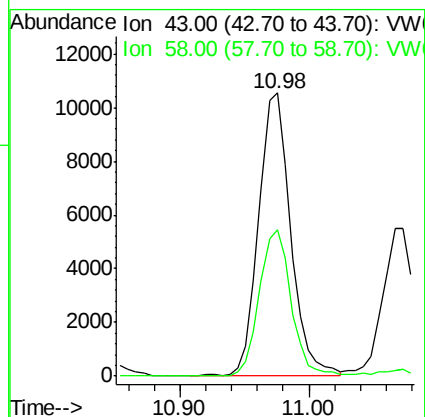
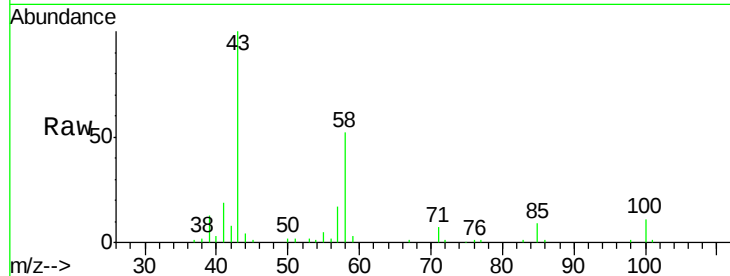
58 51.4 26.2 78.5

Manual Integrations

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MMDadoda

7/9/2020 10:47:38 AM



#60

Dibromochloromethane

Concen: 4.248 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW015809.D

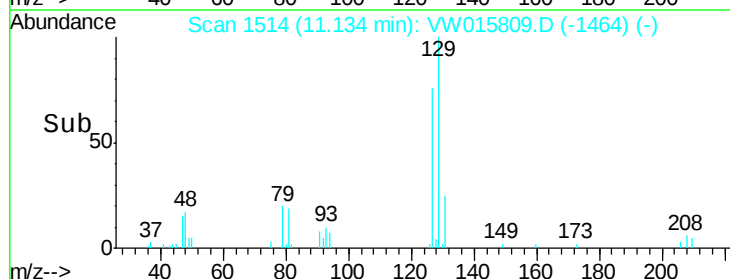
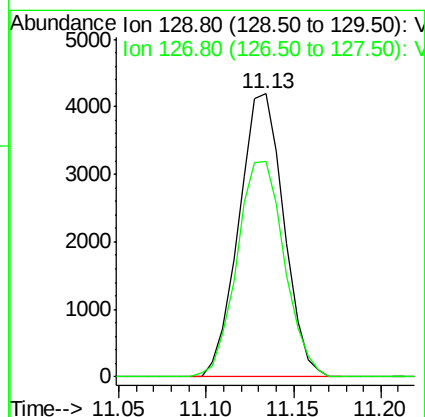
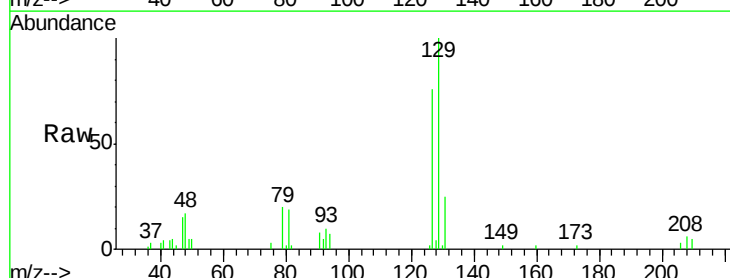
Acq: 08 Jul 2020 15:05

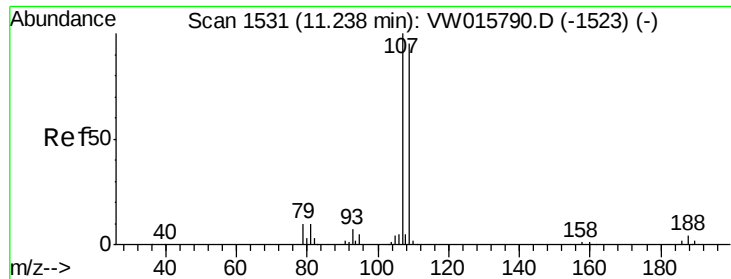
Tgt Ion: 129 Resp: 7468

Ion Ratio Lower Upper

129 100

127 80.5 39.4 118.1





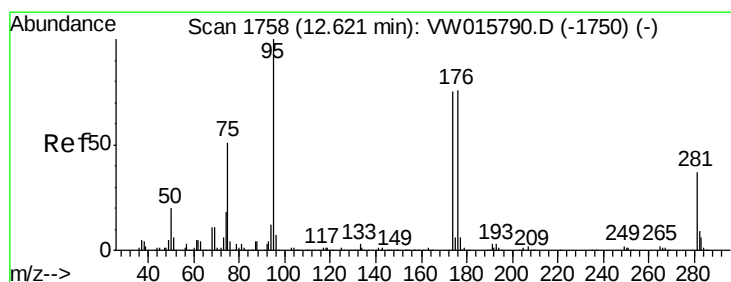
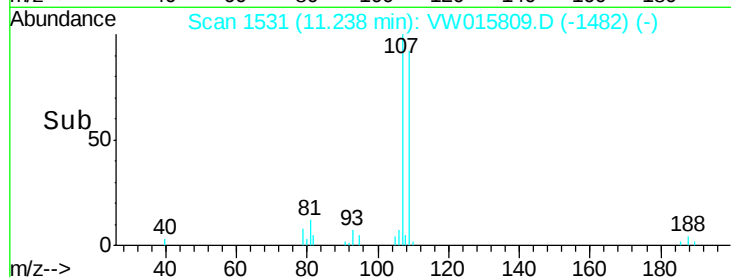
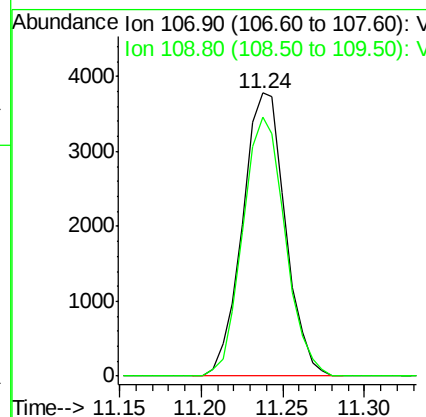
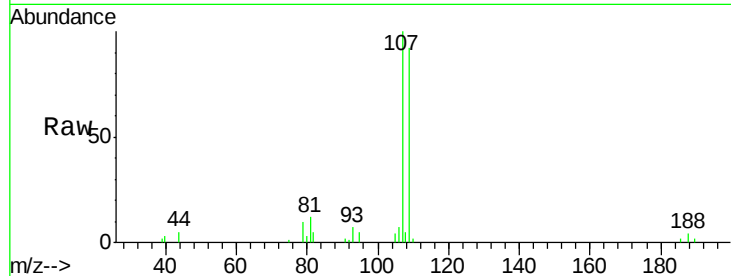
#61
 1,2-Dibromoethane
 Concen: 4.745 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.5	77.0	115.6

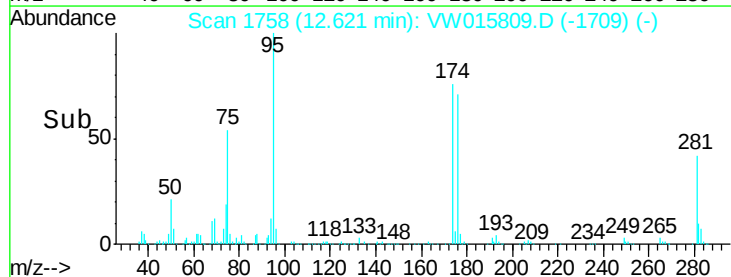
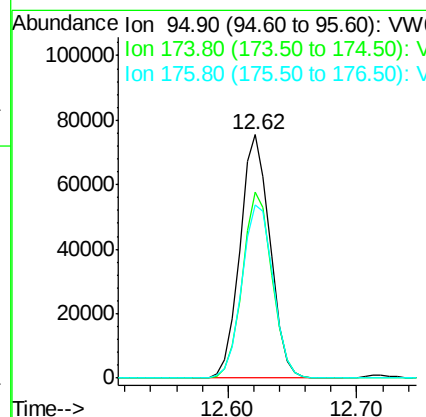
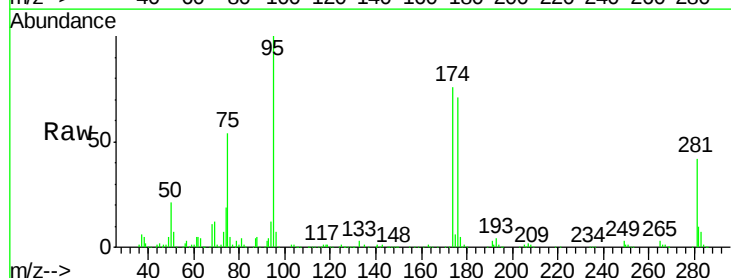
Manual Integrations
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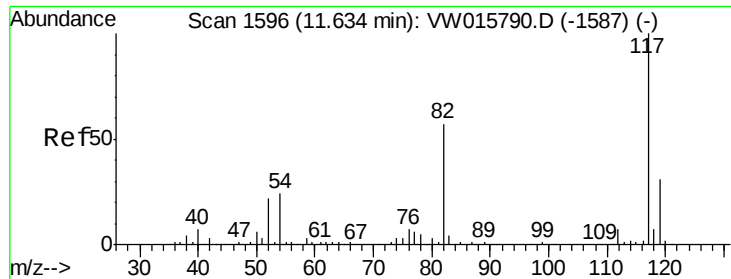
MMDadoda
 7/9/2020 10:47:38 AM



#62
 4-Bromofluorobenzene
 Concen: 46.005 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	150.2
176	73.9	0.0	148.4





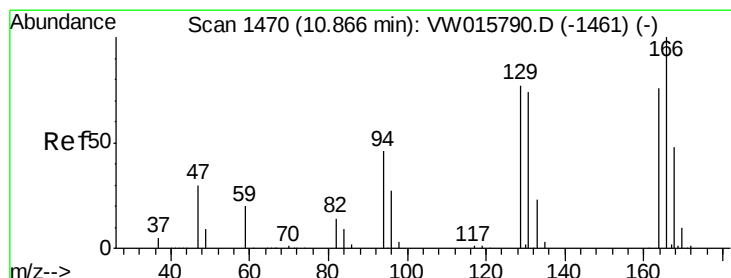
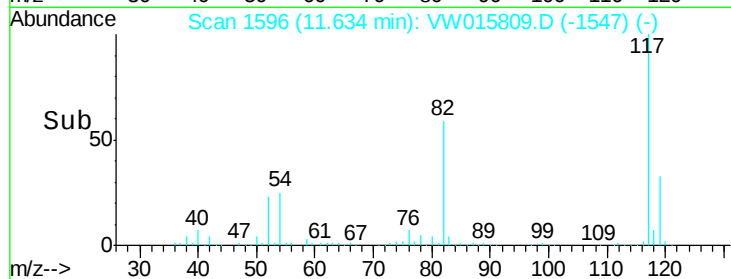
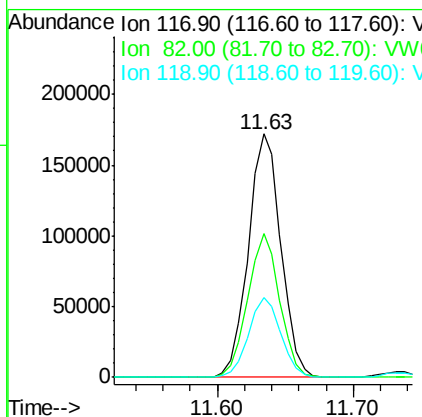
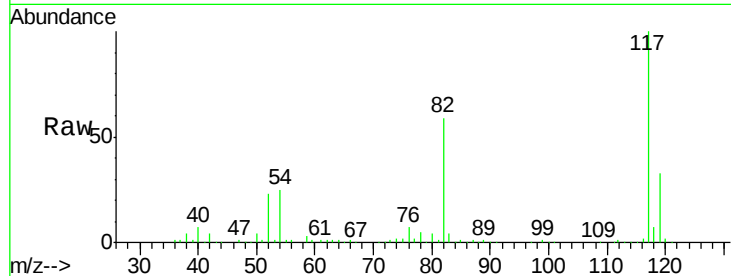
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	45.5	68.3
119	32.9	25.0	37.6

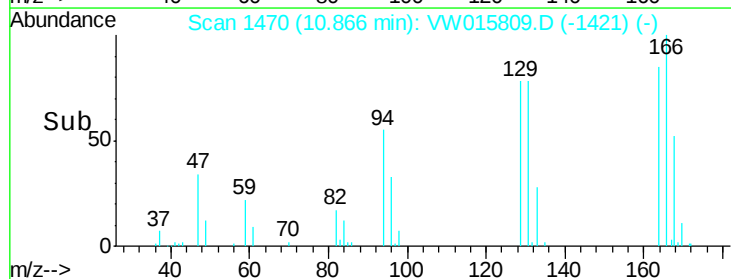
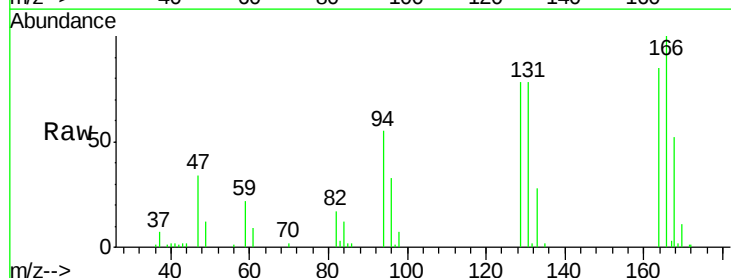
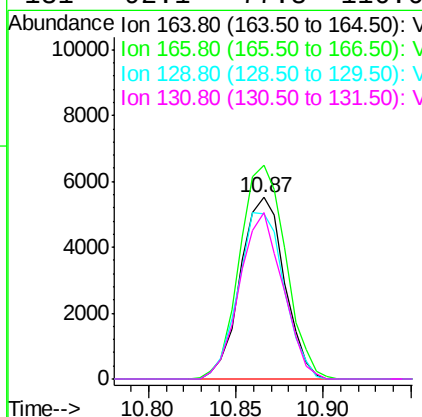
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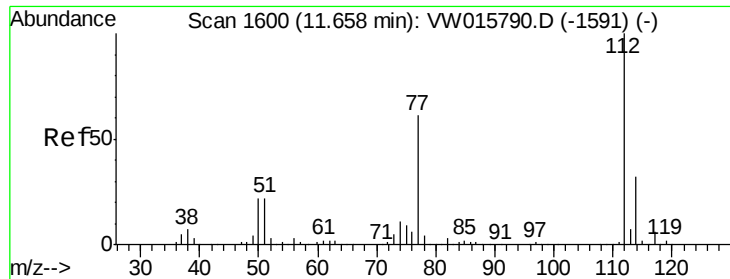
MMDadoda
7/9/2020 10:47:38 AM



#64
Tetrachloroethene
Concen: 5.311 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.9	105.1	157.7
129	91.5	80.6	121.0
131	92.1	77.8	116.6





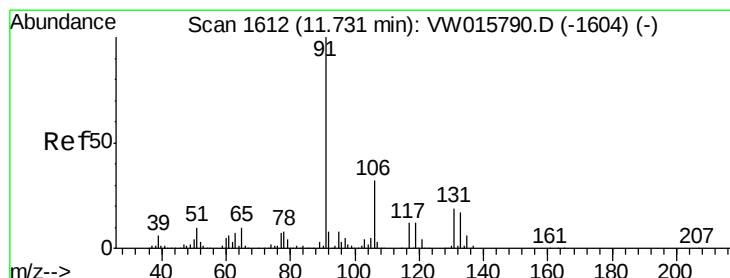
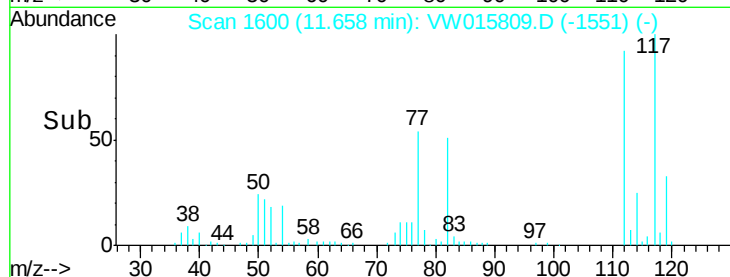
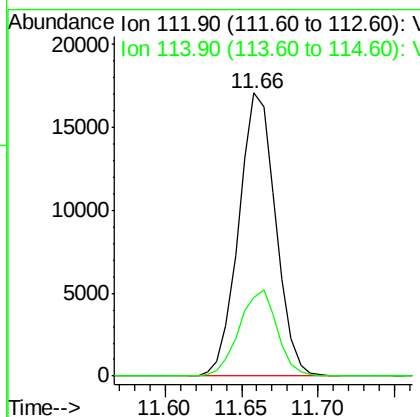
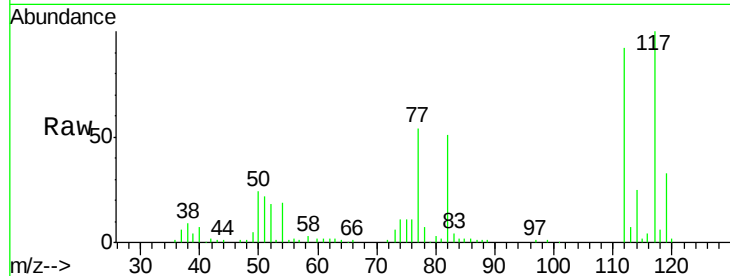
#65
Chlorobenzene
Concen: 5.081 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion:112 Resp: 28586
Ion Ratio Lower Upper
112 100
114 27.6 25.9 38.9

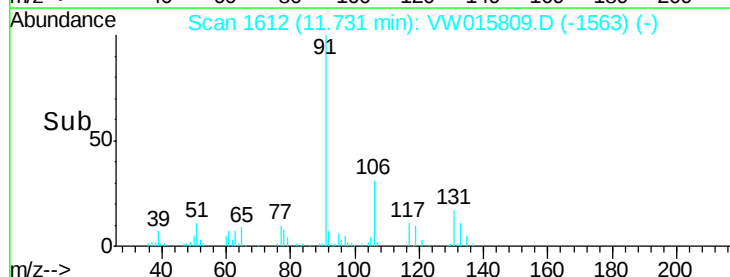
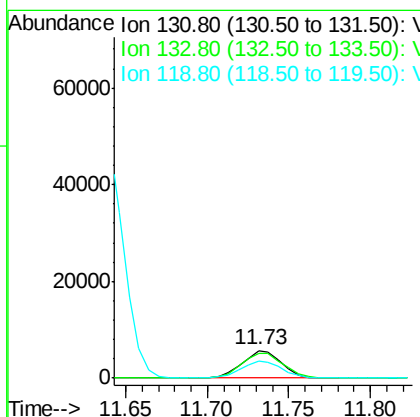
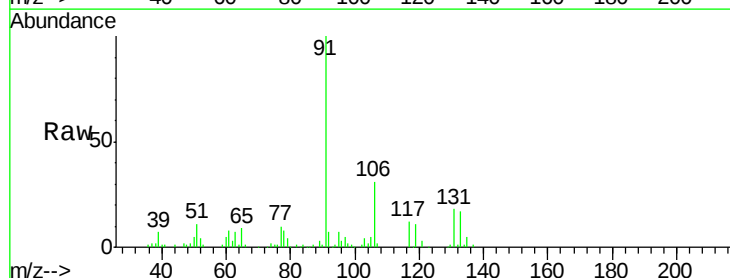
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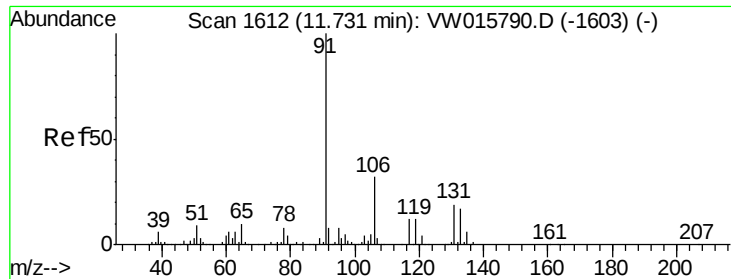
MMDadoda
7/9/2020 10:47:38 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.727 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion:131 Resp: 9410
Ion Ratio Lower Upper
131 100
133 96.7 47.0 141.2
119 65.7 32.3 96.8





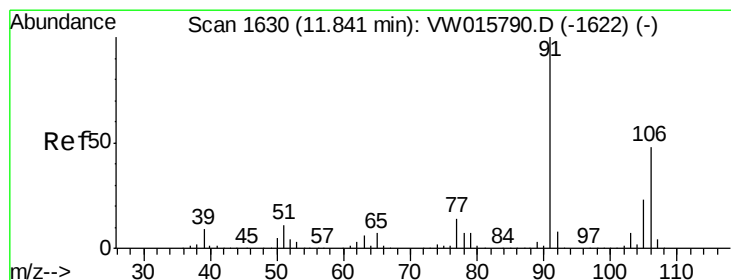
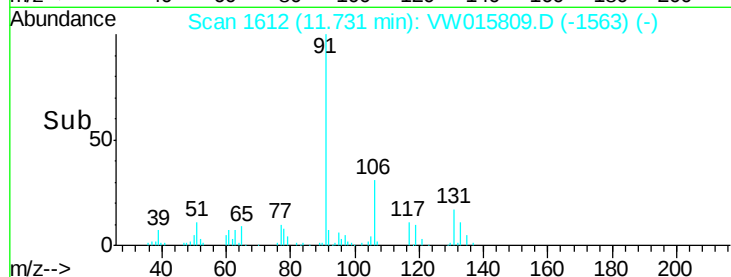
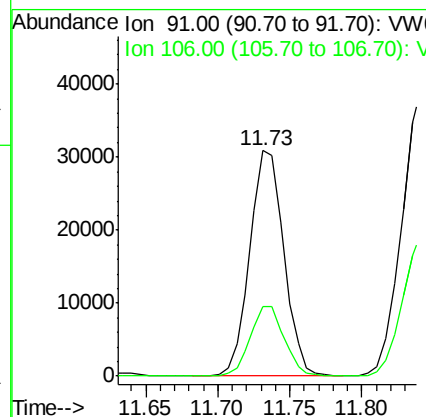
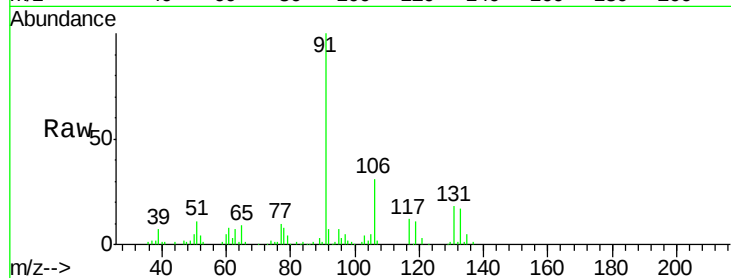
#67
Ethyl Benzene
Concen: 4.855 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion: 91 Resp: 50580
Ion Ratio Lower Upper
91 100
106 30.8 25.8 38.8

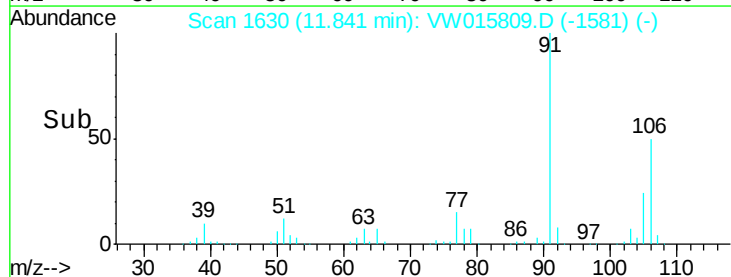
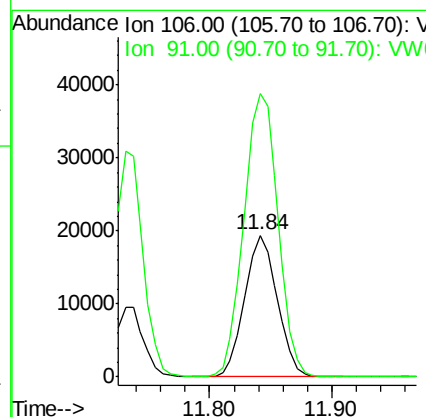
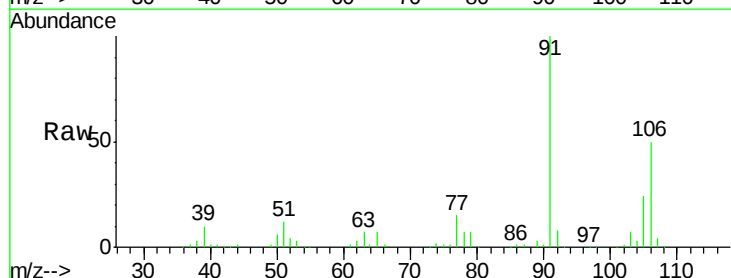
Manual Integrations
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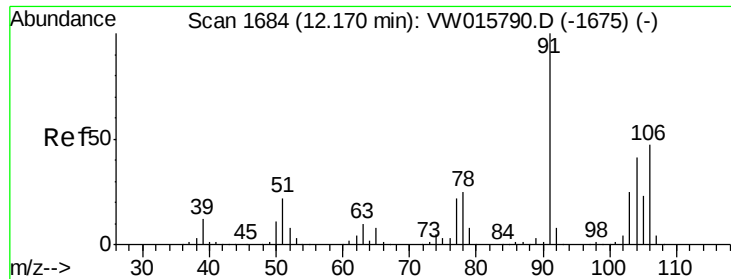
MMDadoda
7/9/2020 10:47:38 AM



#68
m/p-Xylenes
Concen: 9.201 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion: 106 Resp: 36010
Ion Ratio Lower Upper
106 100
91 209.5 164.1 246.1





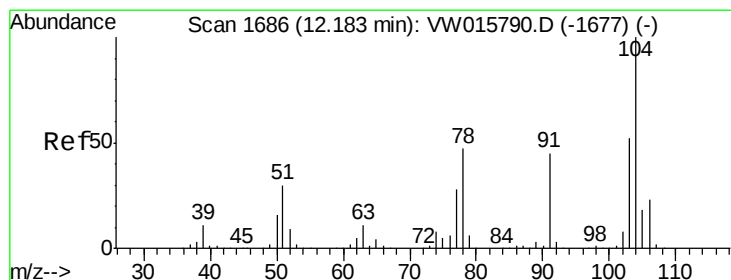
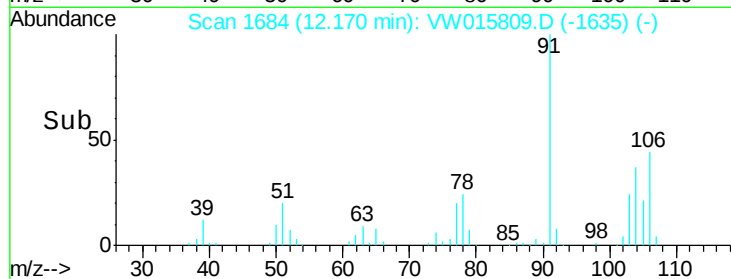
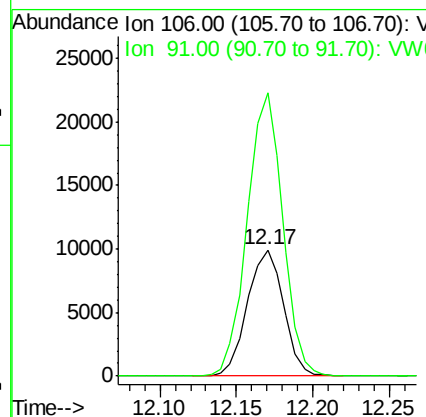
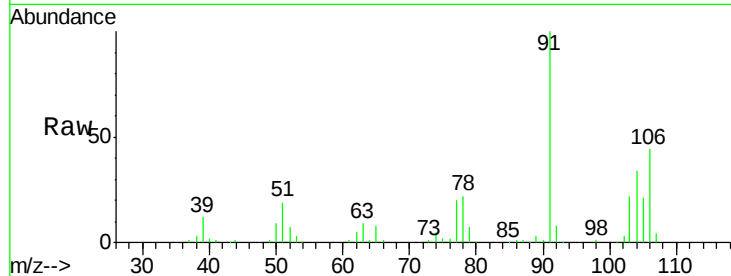
#69
o-Xylene
Concen: 4.590 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion:106 Resp: 16395
Ion Ratio Lower Upper
106 100
91 219.5 108.5 325.3

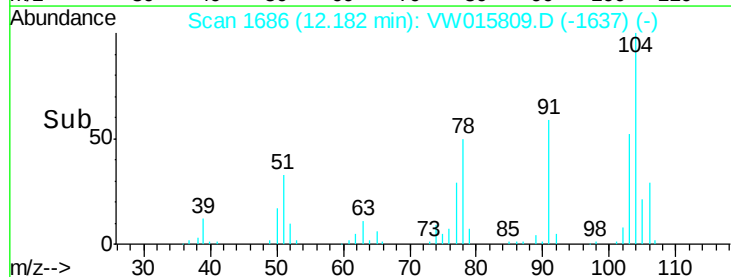
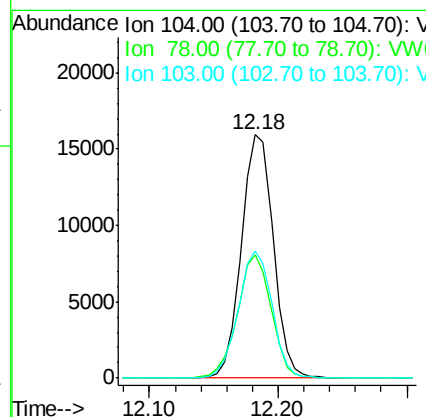
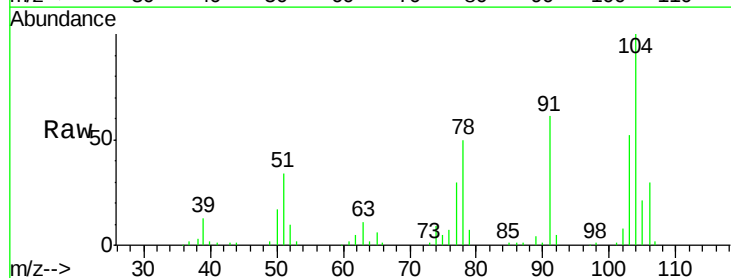
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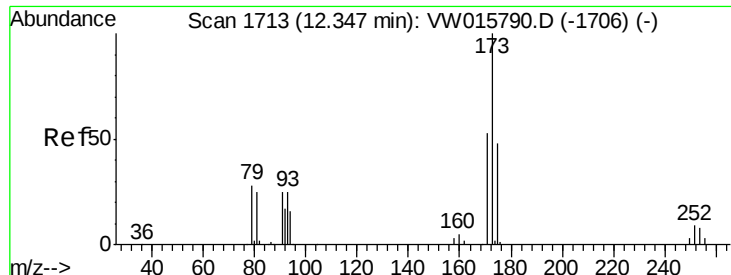
MMDadoda
7/9/2020 10:47:38 AM



#70
Styrene
Concen: 4.441 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion:104 Resp: 27296
Ion Ratio Lower Upper
104 100
78 53.8 41.0 61.4
103 55.6 43.8 65.8





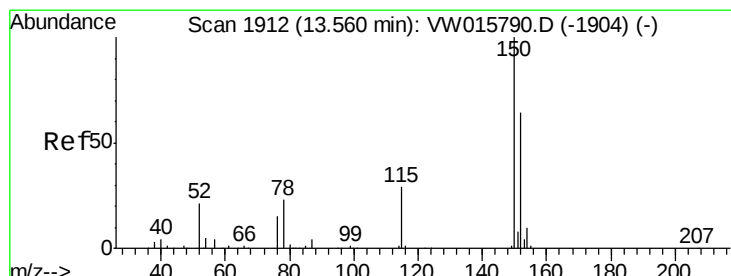
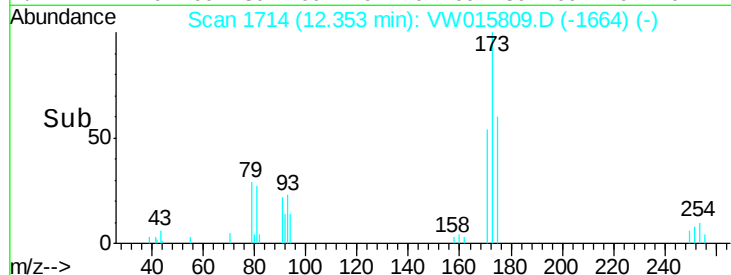
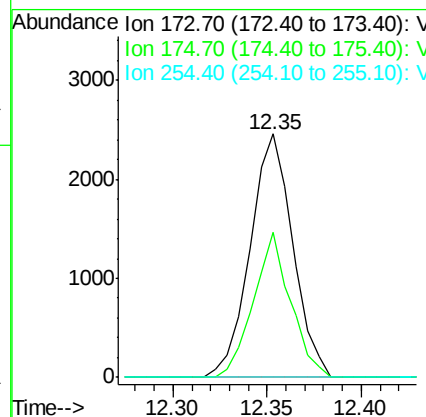
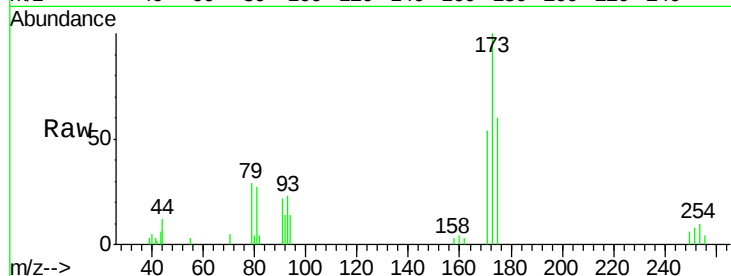
#71
Bromoform
Concen: 4.239 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.8	23.5	70.5
254	0.0	0.0	0.0

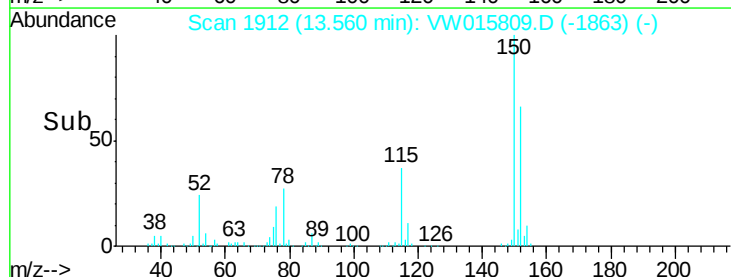
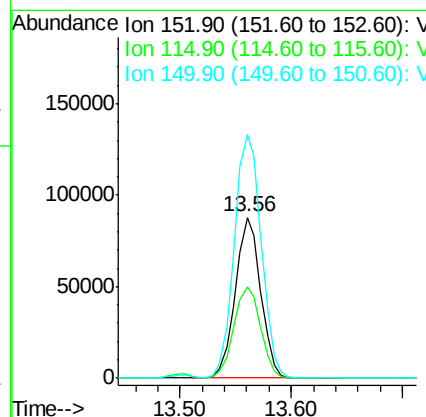
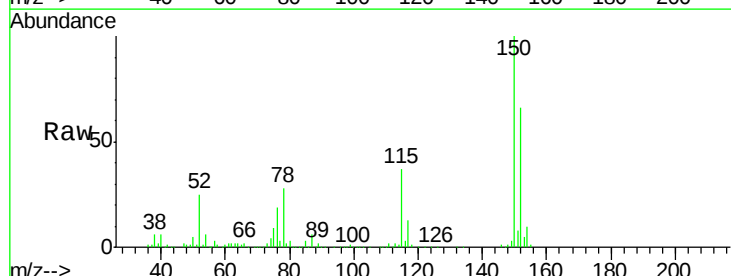
Manual Integrations
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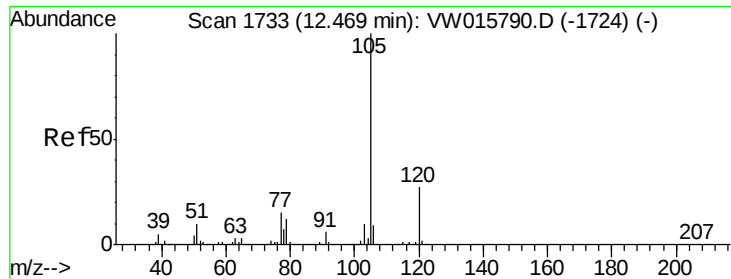
MMDadoda
7/9/2020 10:47:38 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.9	89.7
150	161.6	0.0	350.8





#73

Isopropylbenzene

Concen: 4.891 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 105 Resp: 47519

Ion Ratio Lower Upper

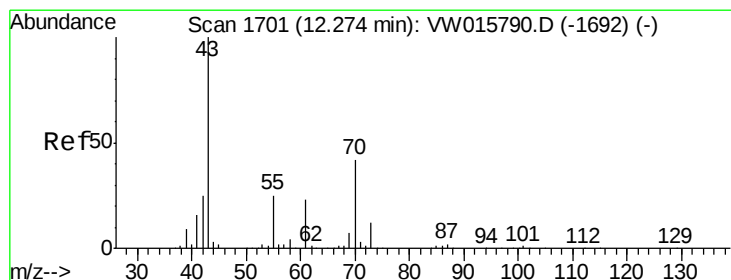
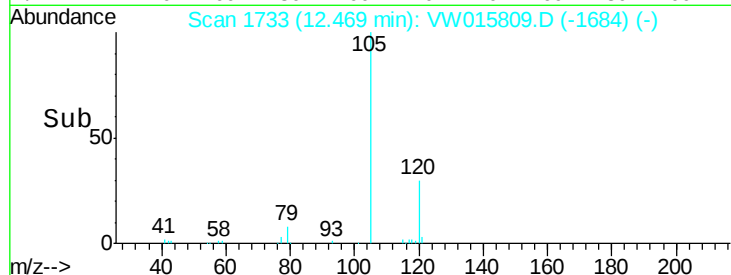
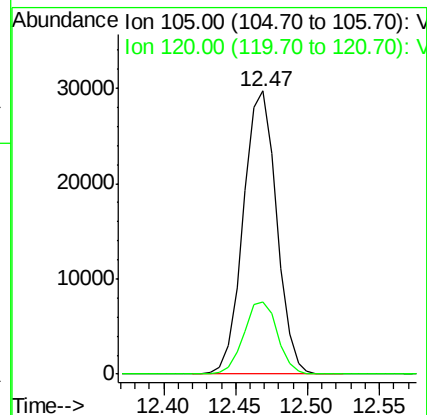
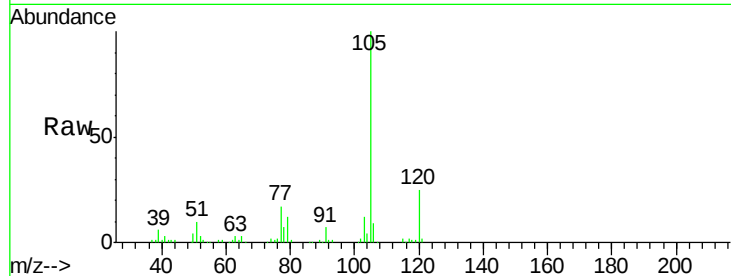
105 100

120 25.8 13.2 39.6

Manual Integrations
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MMDadoda

7/9/2020 10:47:38 AM



#74

N-ethyl acetate

Concen: 4.609 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Tgt Ion: 43 Resp: 9582

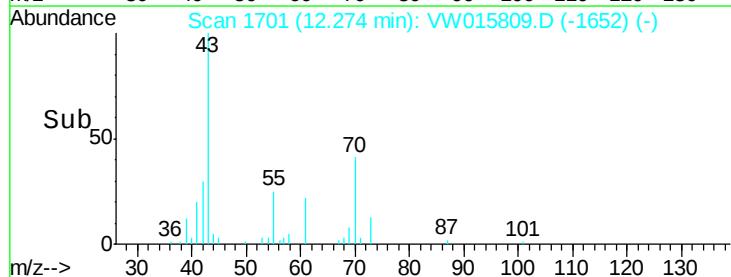
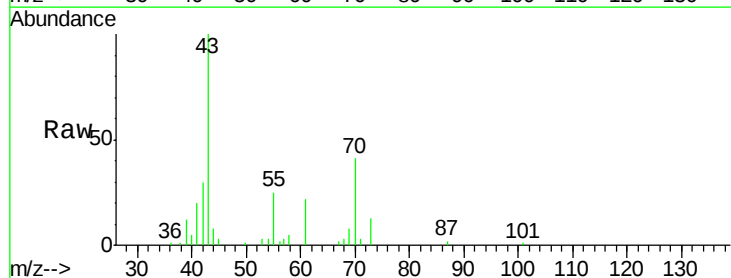
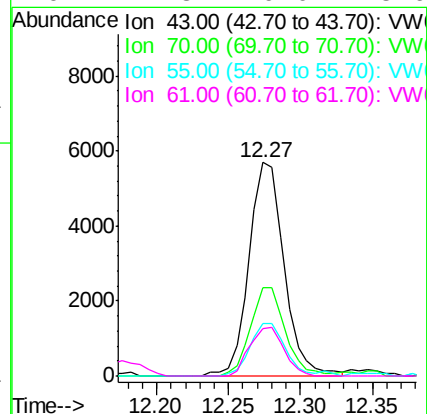
Ion Ratio Lower Upper

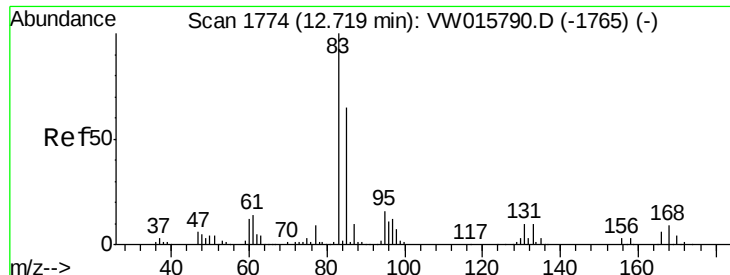
43 100

70 41.2 34.1 51.1

55 24.5 20.0 30.0

61 22.3 19.0 28.6





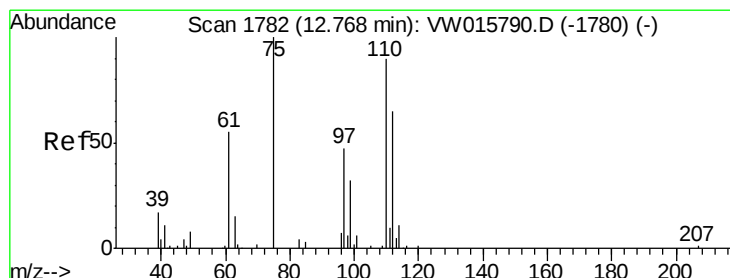
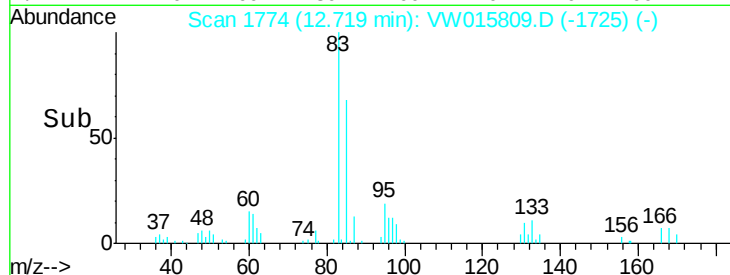
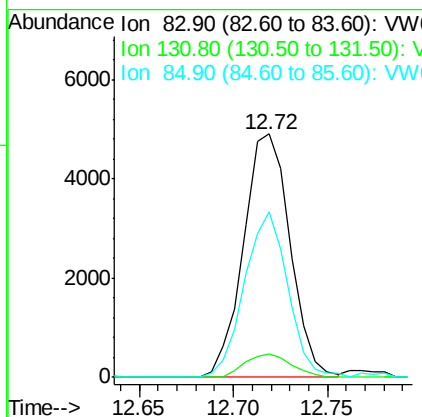
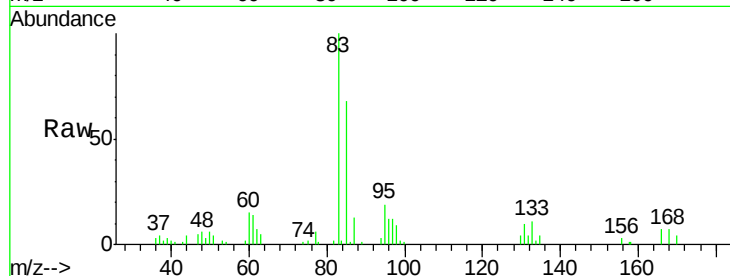
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.205 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

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

Tot Ion	83	Resp	8404
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	5.3	16.1
85	63.3	31.9	95.9

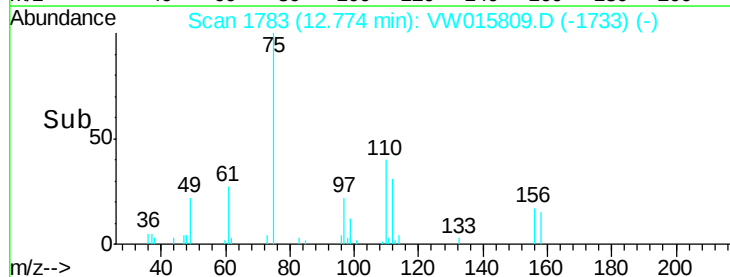
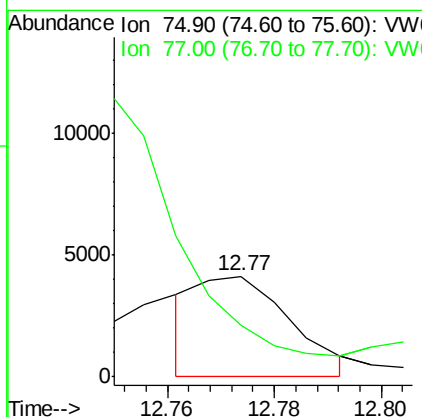
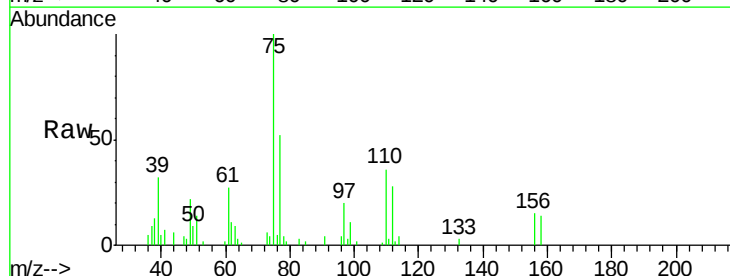
Manual Integrations
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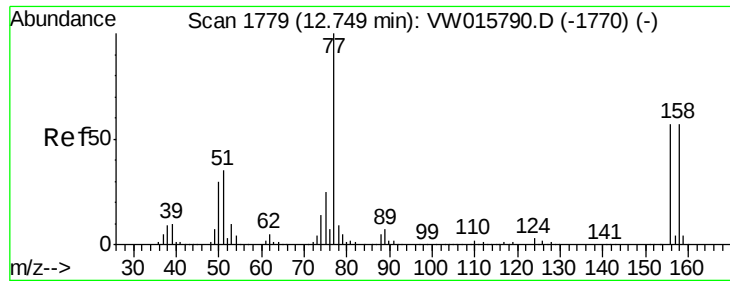
MMDadoda
 7/9/2020 10:47:38 AM



#76
 1,2,3-Trichloropropane
 Concen: 4.099 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion	75	Resp	4968
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	177.3	532.0#





#77

Bromobenzene

Concen: 4.998 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

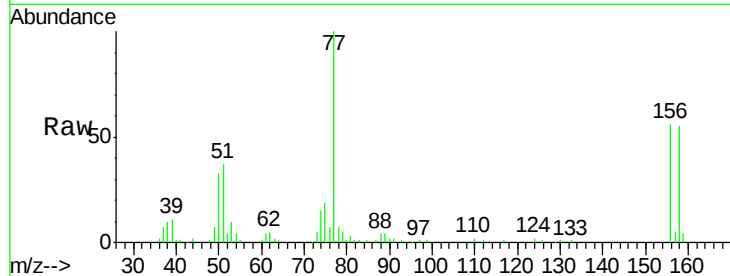
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	156	Resp:	10890
Ion Ratio	Lower	Upper	
156	100		
77	198.0	98.8	296.4
158	98.3	50.0	149.8

Manual Integrations
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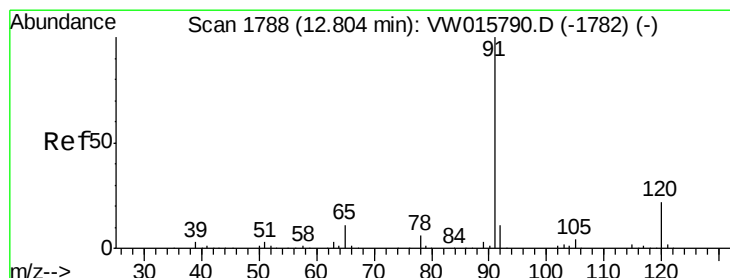
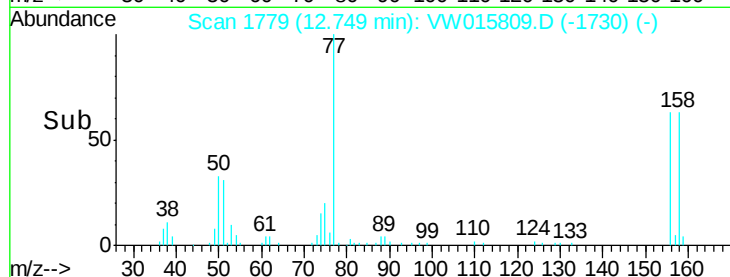
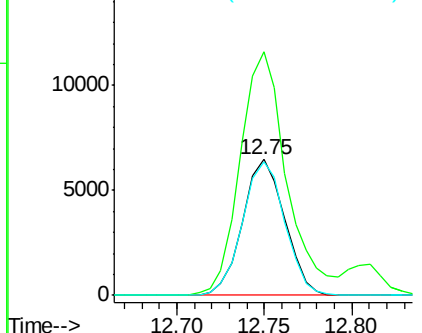
MMDadoda
7/9/2020 10:47:38 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.907 ug/l

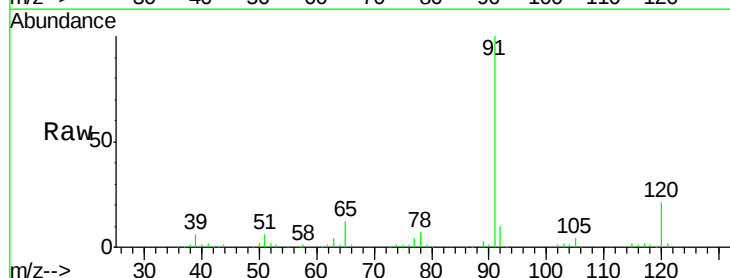
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015809.D

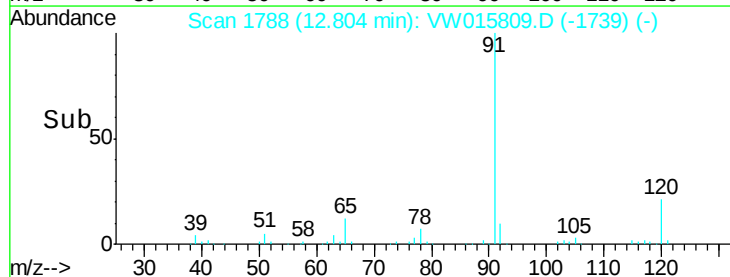
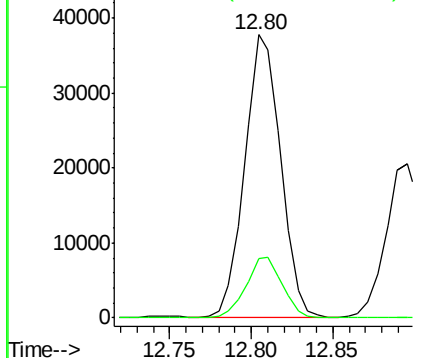
Acq: 08 Jul 2020 15:05

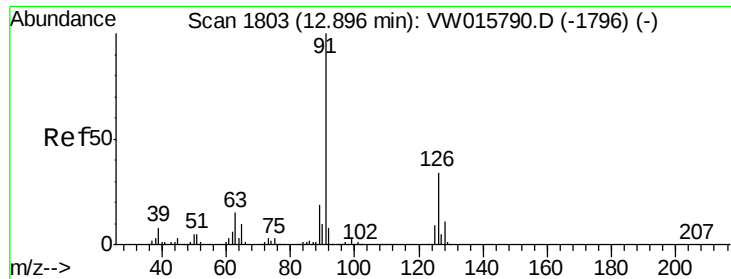
Tgt Ion:	91	Resp:	57878
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.993 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 91 Resp: 33582

Ion Ratio Lower Upper

91 100

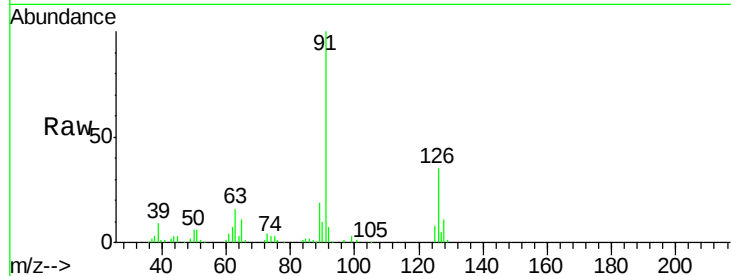
126 32.2 16.5 49.5

Manual Integrations

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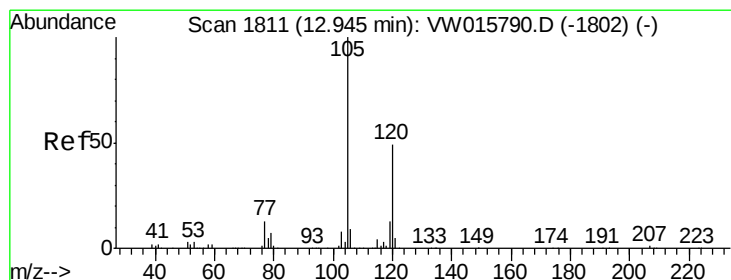
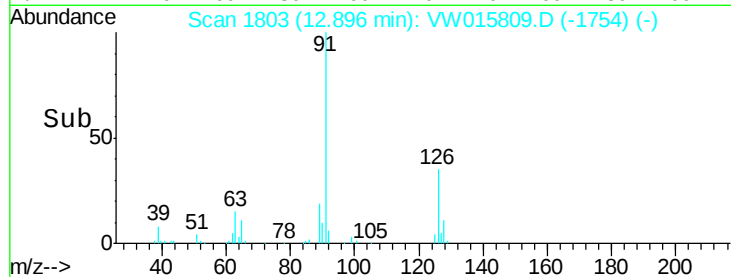
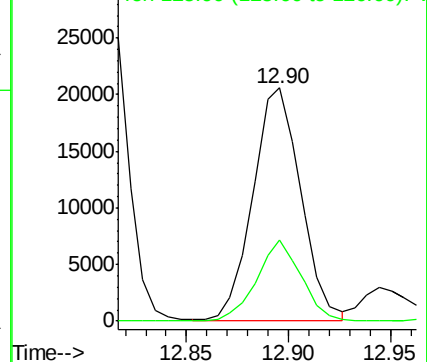
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.829 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015809.D

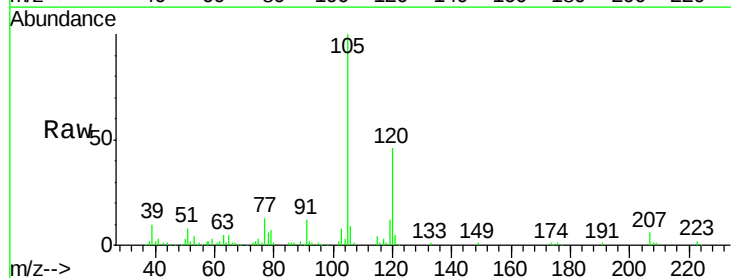
Acq: 08 Jul 2020 15:05

Tgt Ion: 105 Resp: 39993

Ion Ratio Lower Upper

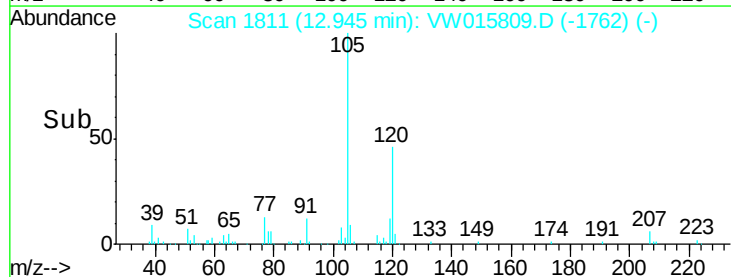
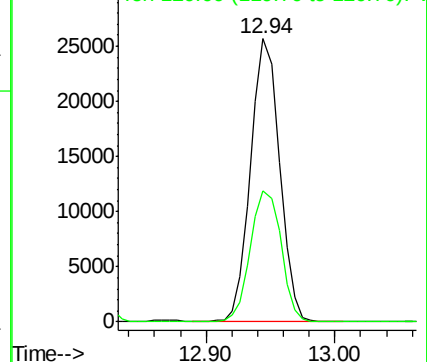
105 100

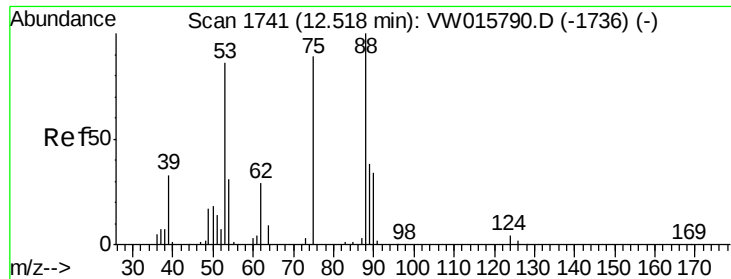
120 48.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.264 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

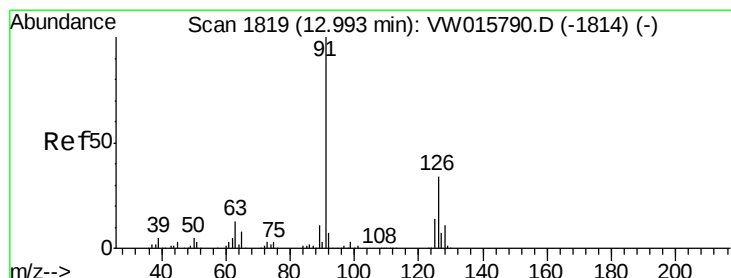
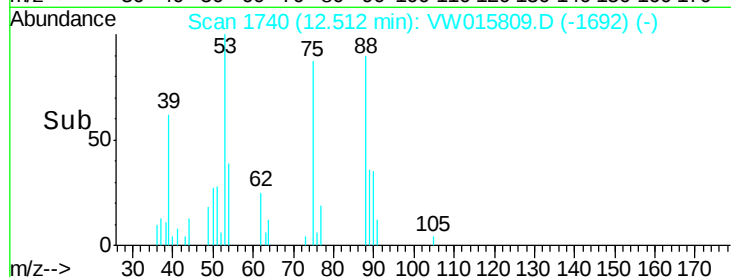
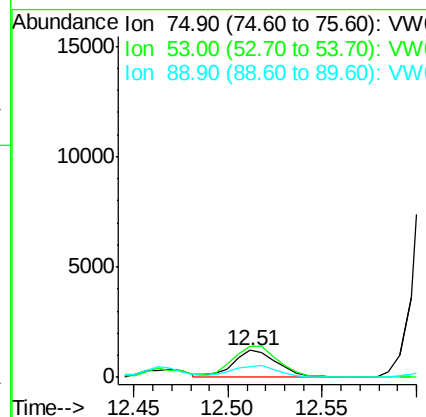
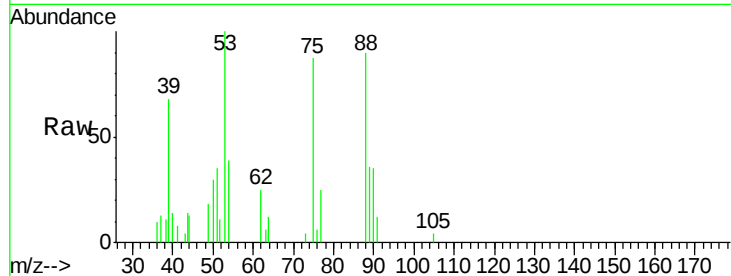
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	75	Resp:	2022
Ion	Ratio	Lower	Upper
75	100		
53	119.9	85.9	128.9
89	44.5	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.021 ug/l

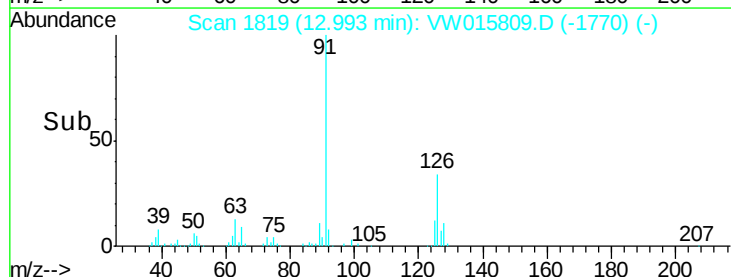
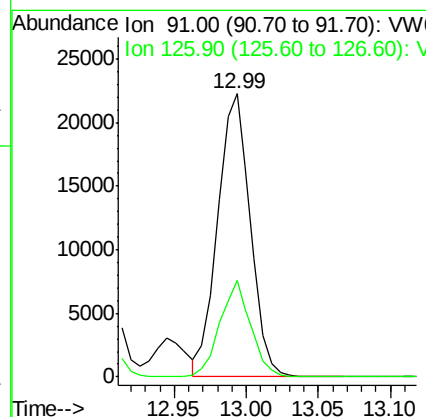
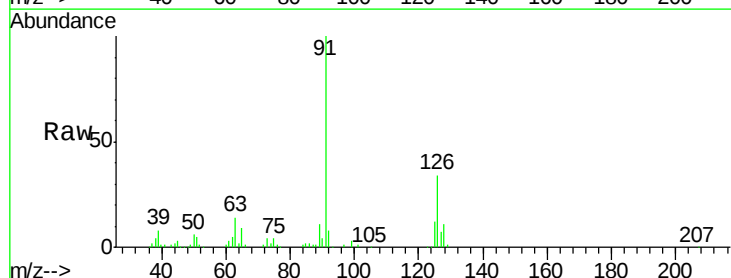
RT: 12.99 min Scan# 1819

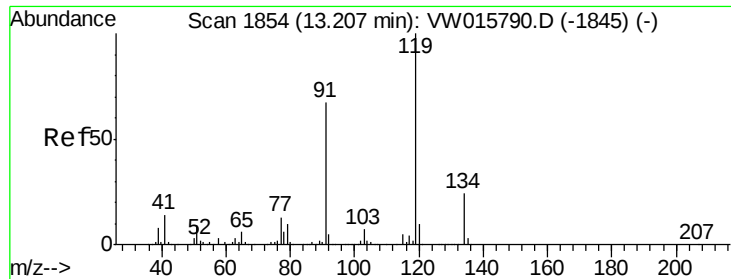
Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Tgt Ion:	91	Resp:	35264
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.3	48.9





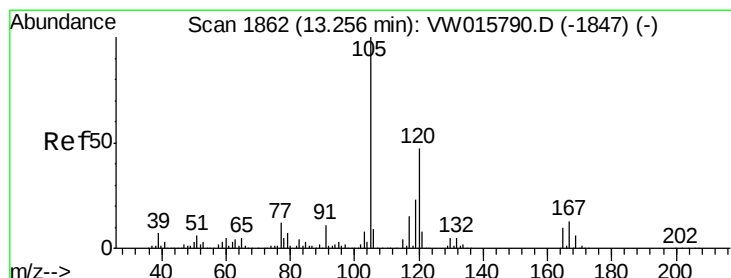
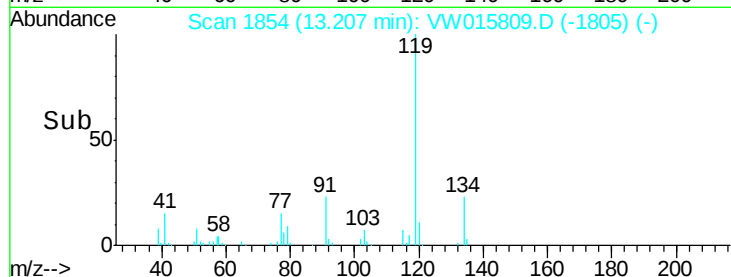
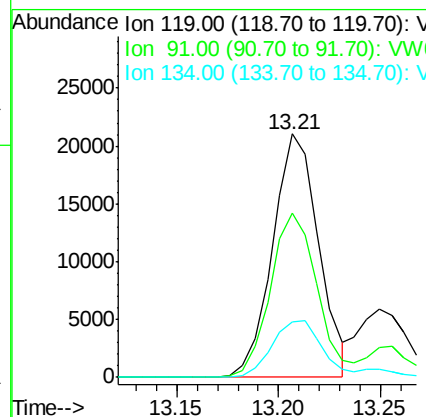
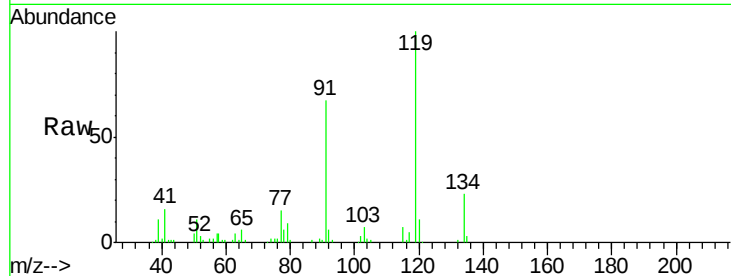
#83
tert-Butylbenzene
Concen: 4.820 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.1	34.4	103.3
134	25.1	13.6	40.7

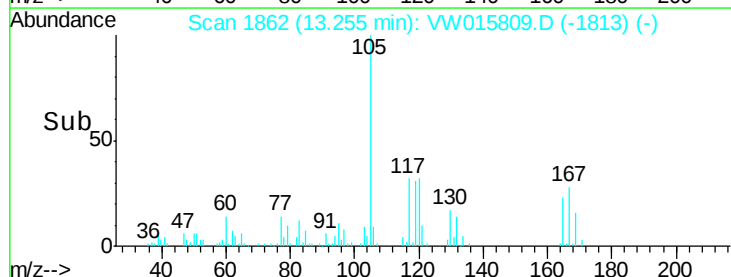
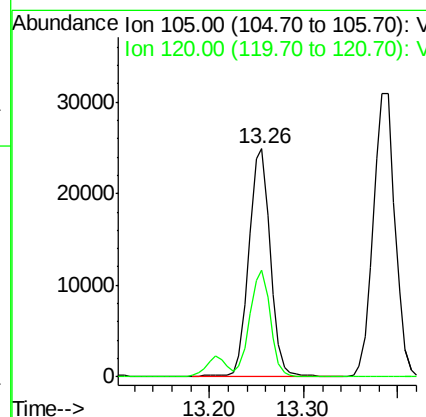
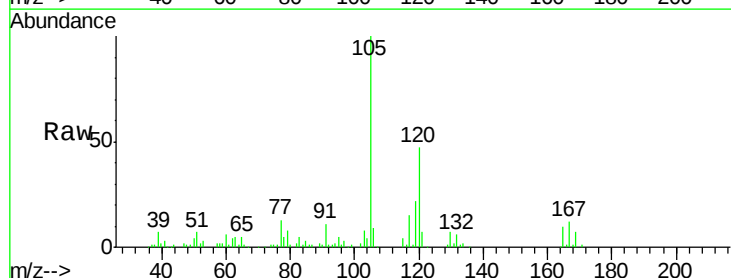
Manual Integrations
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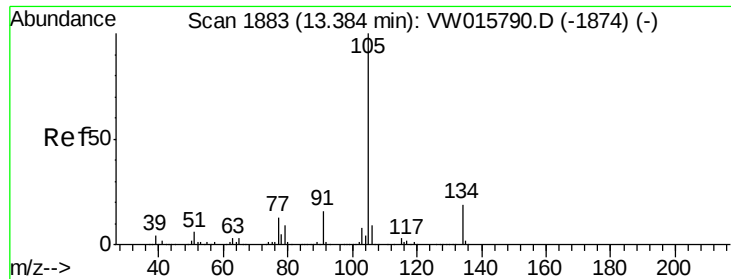
MMDadoda
7/9/2020 10:47:38 AM



#84
1,2,4-Trimethylbenzene
Concen: 4.811 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.8	68.4





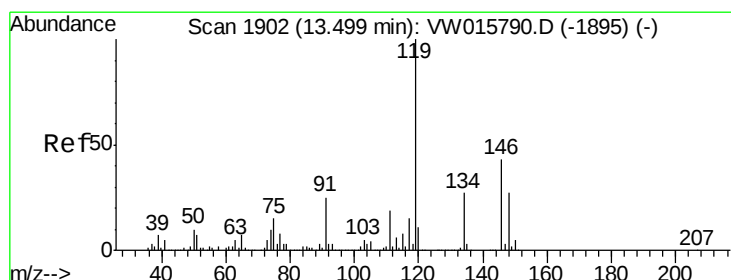
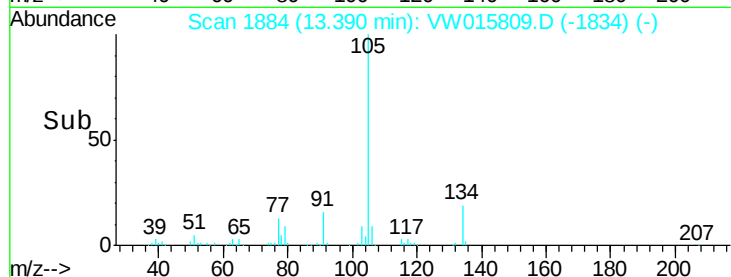
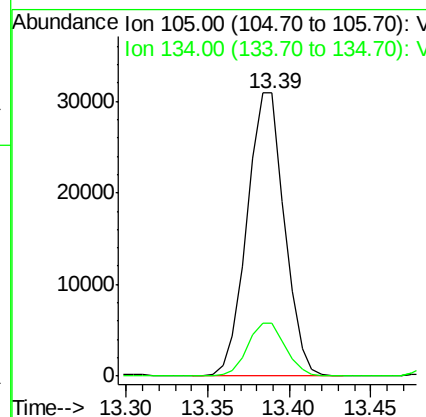
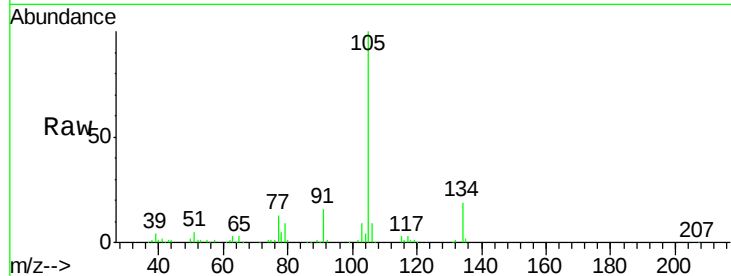
#85
 sec-Butylbenzene
 Concen: 4.991 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	10.0	29.8

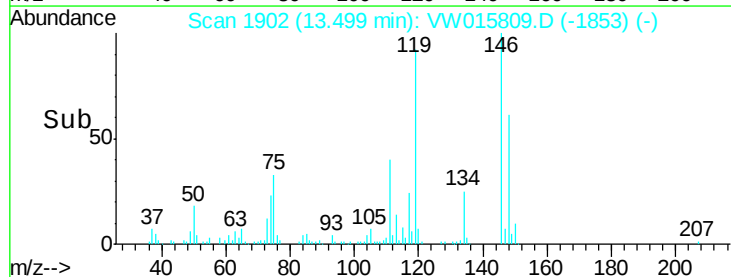
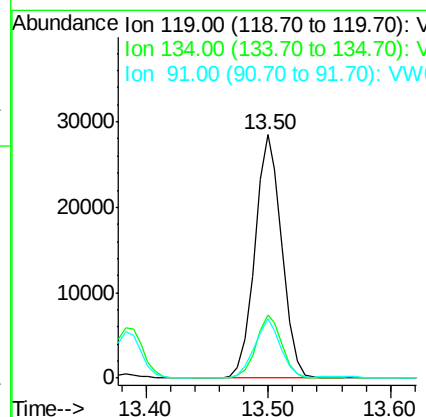
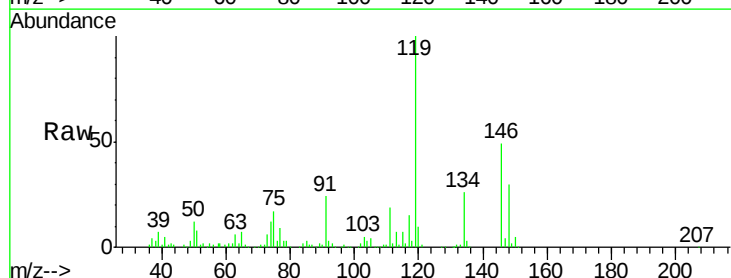
Manual Integrations
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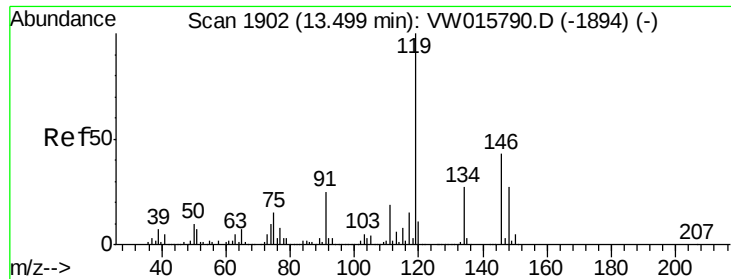
MMDadoda
 7/9/2020 10:47:38 AM



#86
 p-Isopropyltoluene
 Concen: 4.791 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.8	13.2	39.6
91	23.6	12.2	36.6





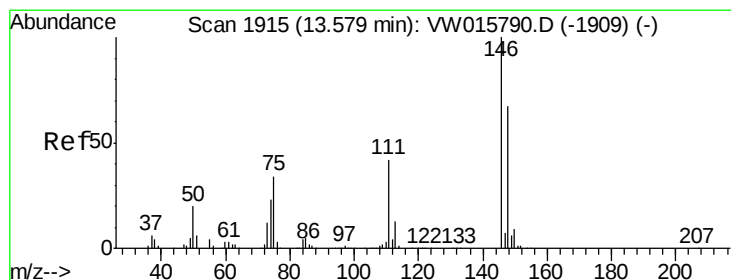
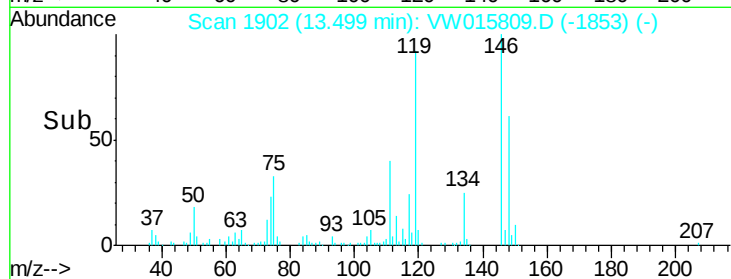
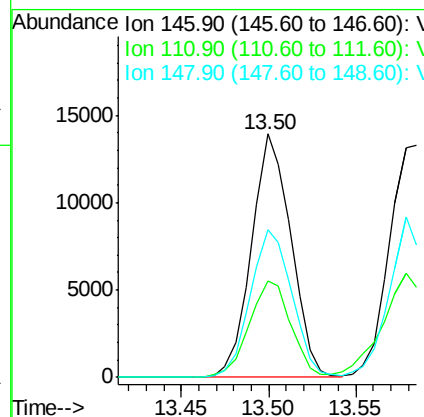
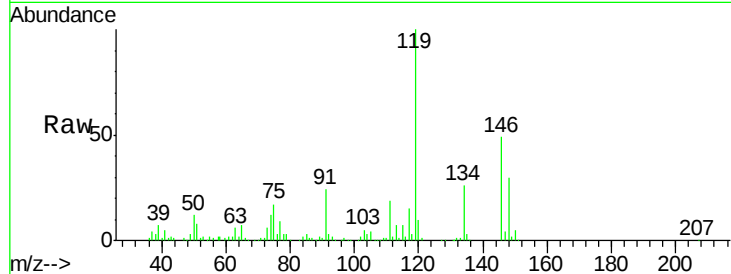
#87
 1,3-Dichlorobenzene
 Concen: 5.012 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.4
148	63.6	31.4	94.2

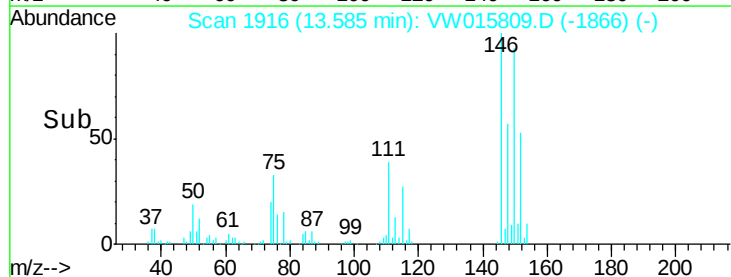
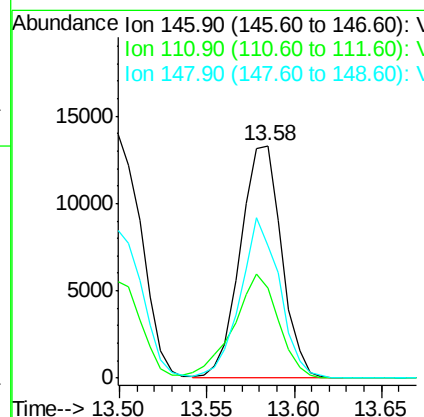
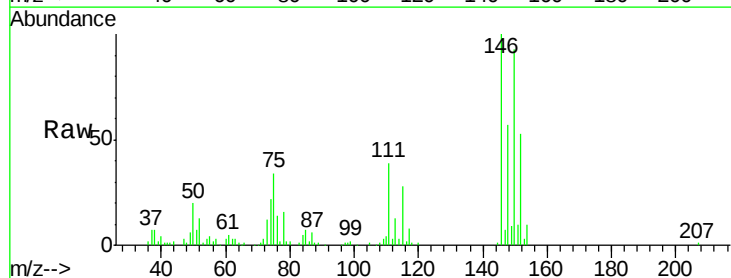
Manual Integrations
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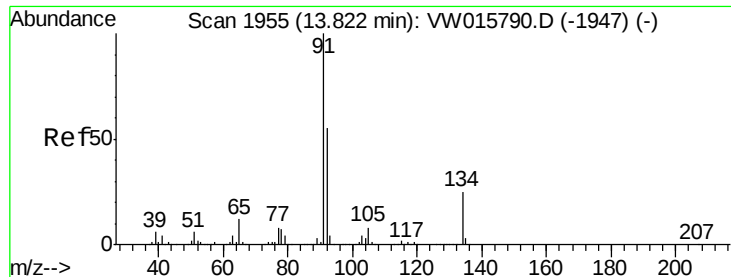
MMDadoda
 7/9/2020 10:47:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 5.112 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.9	20.2	60.6
148	65.6	31.8	95.4





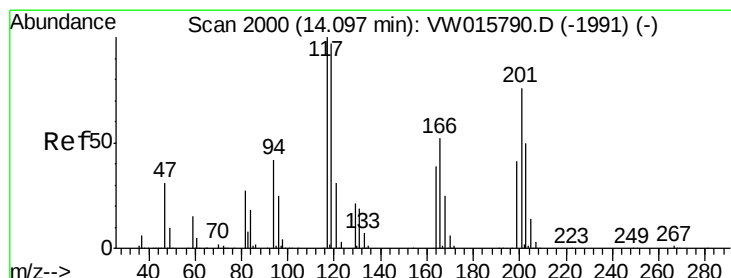
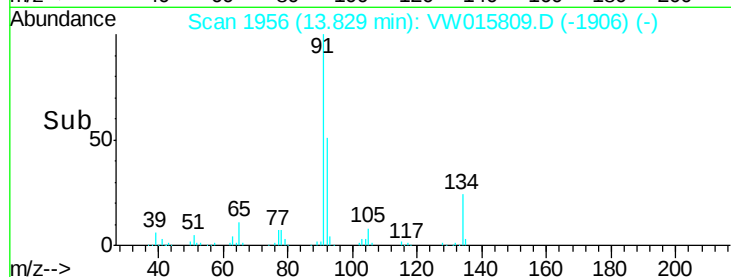
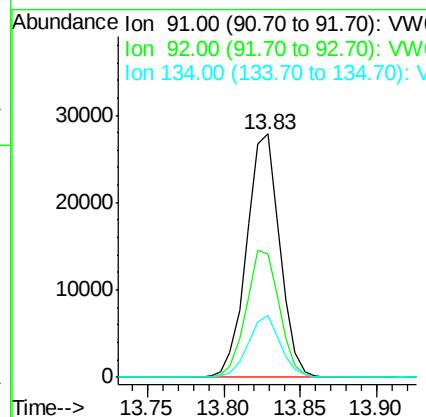
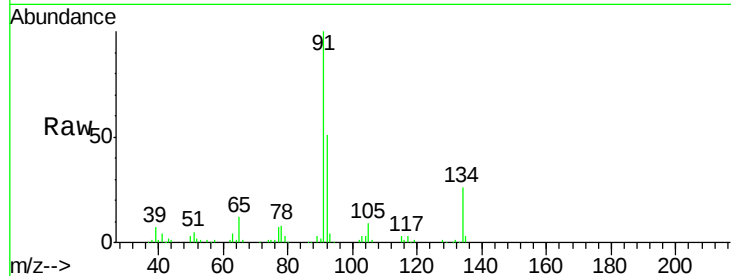
#89
n-Butylbenzene
Concen: 4.820 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	27.2	81.6
134	24.7	12.7	38.1

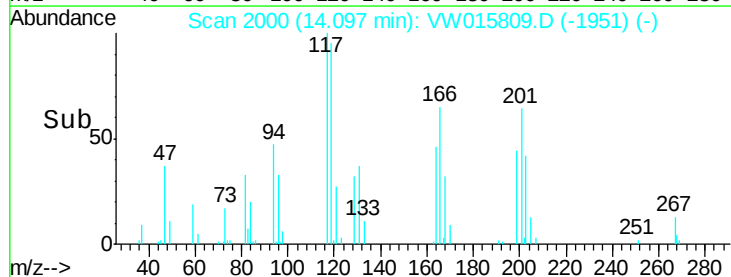
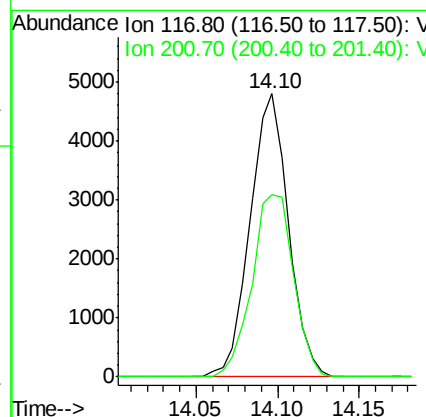
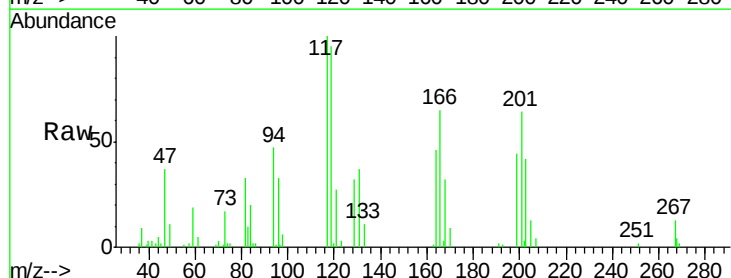
Manual Integrations
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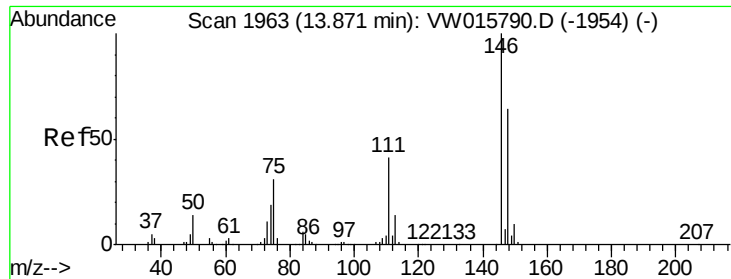
MMDadoda
7/9/2020 10:47:38 AM



#90
Hexachloroethane
Concen: 4.771 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.0	37.1	111.3





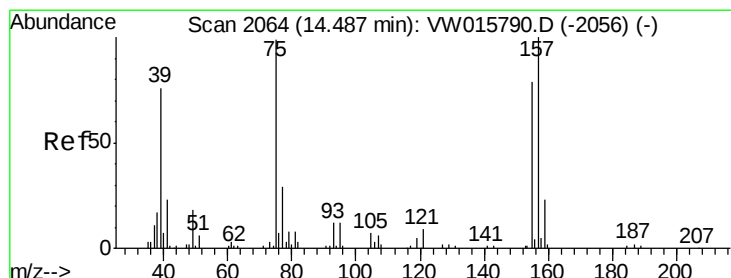
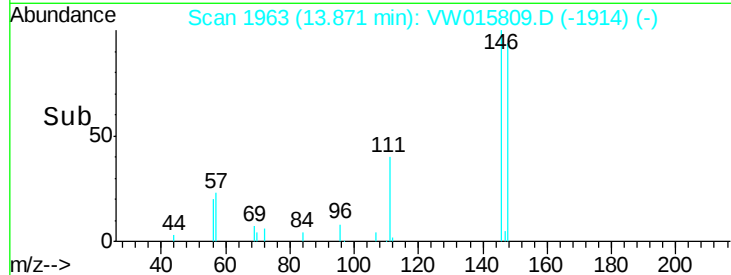
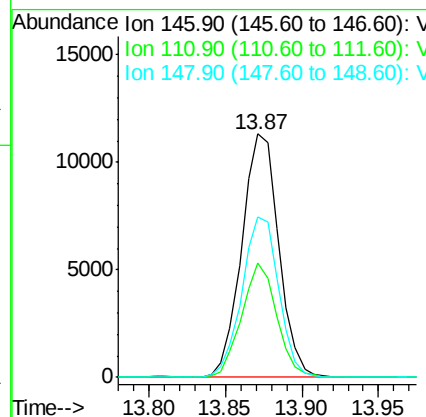
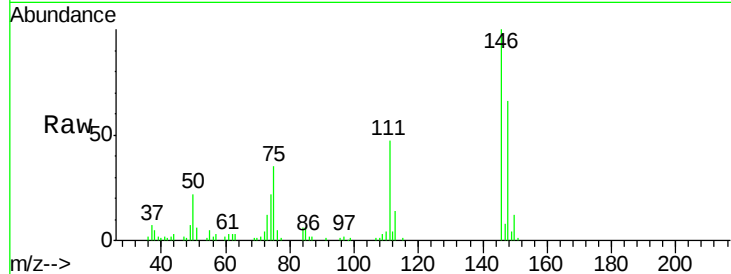
#91
 1,2-Dichlorobenzene
 Concen: 5.025 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	20.6	61.9
148	65.5	31.8	95.4

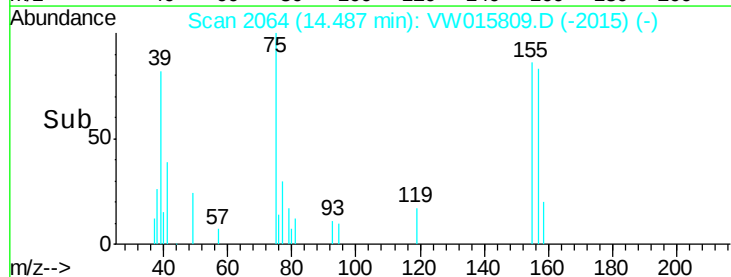
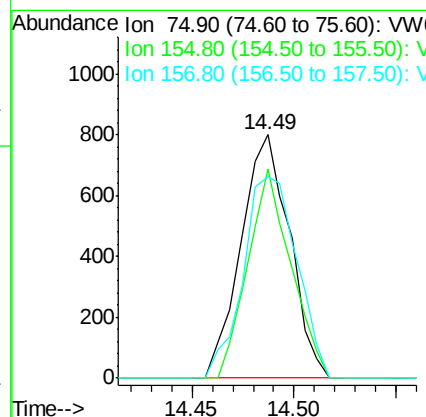
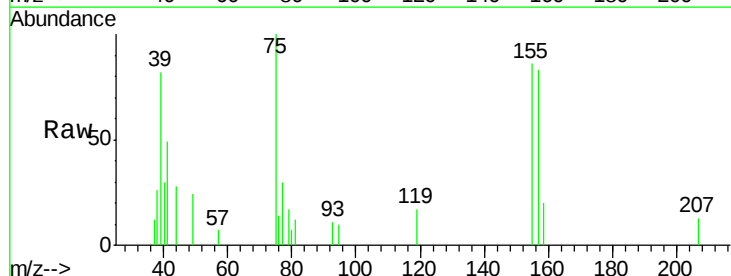
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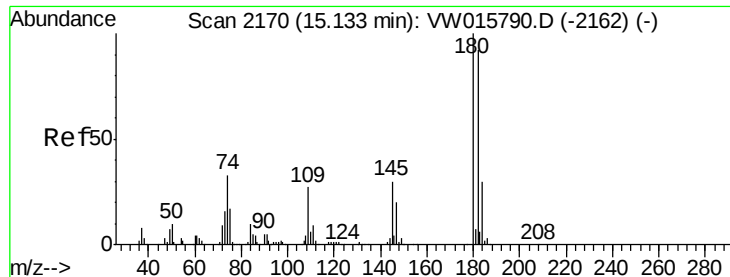
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.121 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	39.1	117.5
157	91.7	49.1	147.4





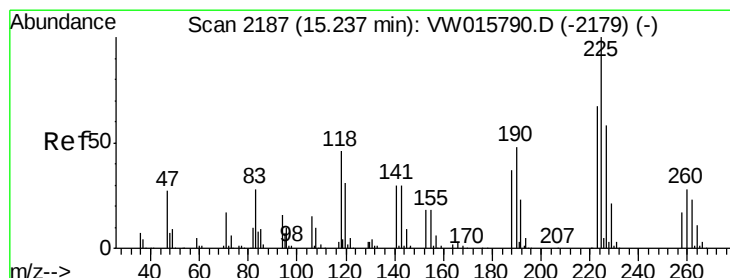
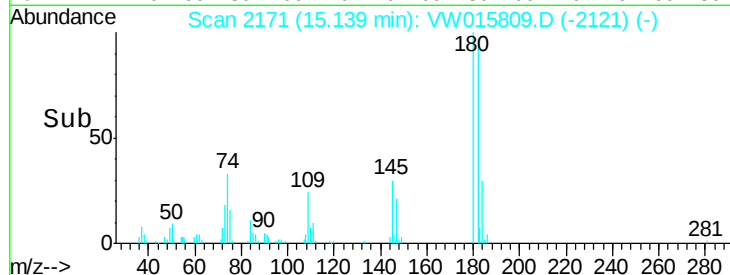
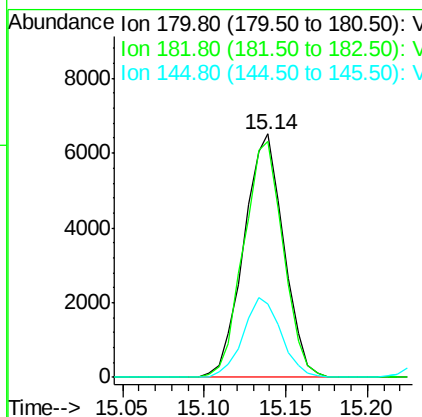
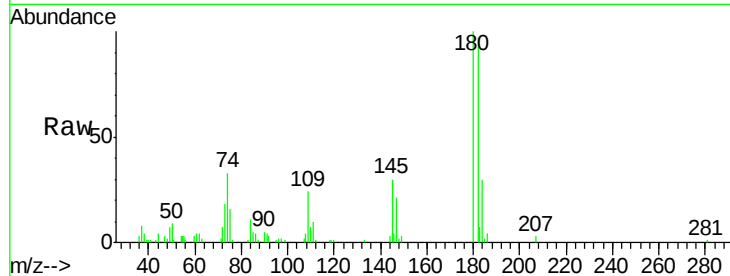
#93
 1,2,4-Trichlorobenzene
 Concen: 4.643 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Resp	Lower	Upper
180	100	11075		
182	96.1	46.8	140.3	
145	31.6	15.4	46.4	

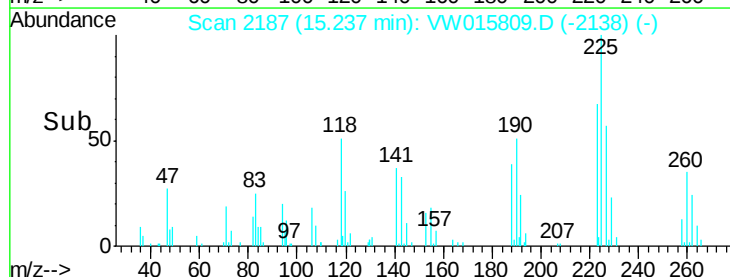
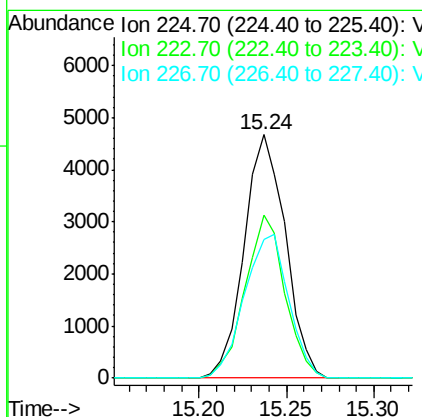
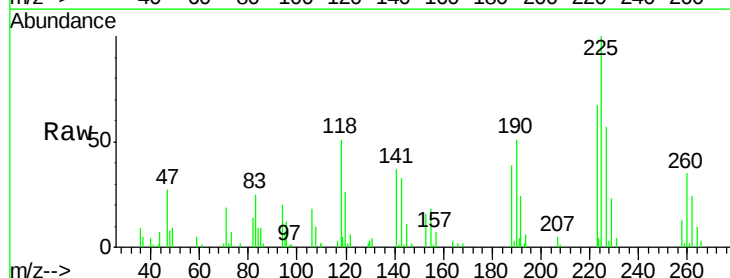
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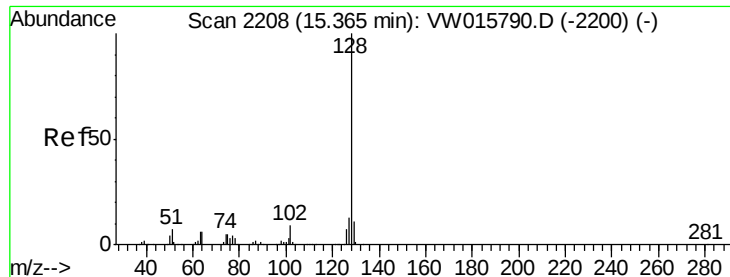
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#94
 Hexachlorobutadiene
 Concen: 5.069 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	7677		
223	64.6	32.4	97.2	
227	63.4	30.7	92.1	





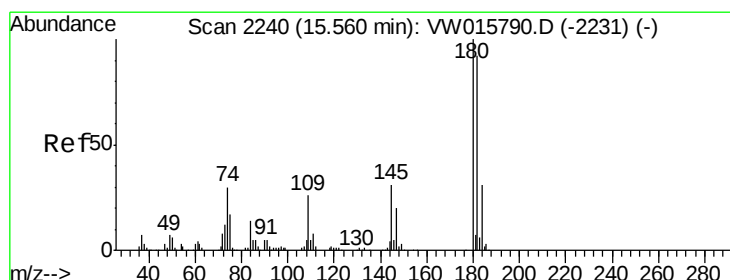
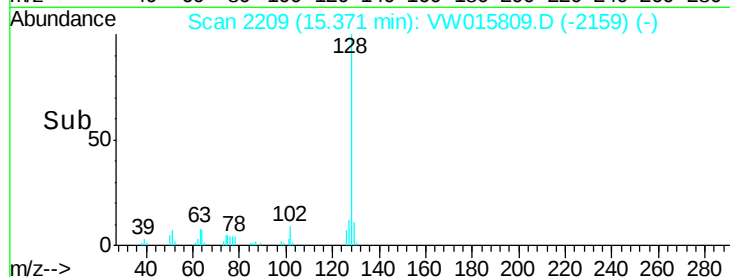
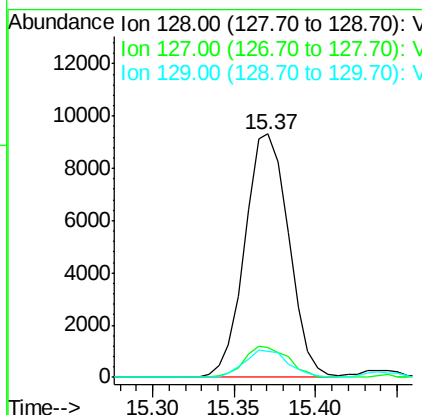
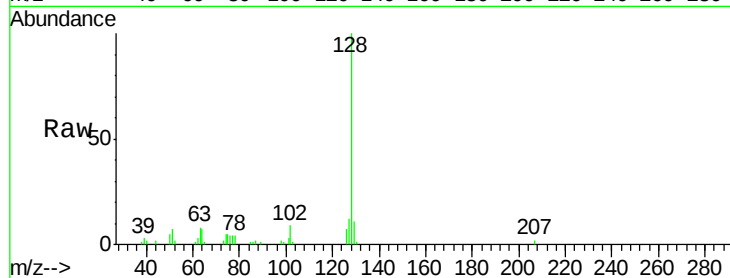
#95
Naphthalene
Concen: 4.388 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	11.2	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.908 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.7	143.1
145	32.3	16.7	50.0

