

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015410.D
 Acq On : 06 May 2020 12:47
 Operator : SY/VA
 Sample : L2182-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:34:57 AM

Quant Time: May 07 03:51:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	362286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	321315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	154593	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	126690	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
35) Dibromofluoromethane	7.88	113	107491	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
50) Toluene-d8	10.32	98	449431	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.62	95	163089	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	4546	3.650	ug/l	92
3) Chloromethane	2.21	50	6649	4.264	ug/l	99
4) Vinyl Chloride	2.36	62	9368	3.967	ug/l	98
5) Bromomethane	2.78	94	7114	3.846	ug/l	96
6) Chloroethane	2.93	64	6417	3.943	ug/l	94
7) Trichlorofluoromethane	3.26	101	6122	3.535	ug/l	96
8) Diethyl Ether	3.68	74	4574	4.226	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.06	101	8317	4.142	ug/l	97
10) Methyl Iodide	4.26	142	12142	3.996	ug/l	98
11) Tert butyl alcohol	5.17	59	3851	28.201	ug/l #	94
12) 1,1-Dichloroethene	4.04	96	8380	4.025	ug/l	99
13) Acrolein	3.89	56	3803	21.808	ug/l	87
14) Allyl chloride	4.67	41	14472	3.967	ug/l	99
15) Acrylonitrile	5.36	53	9505	21.578	ug/l	100
16) Acetone	4.12	43	9100	24.736	ug/l	98
17) Carbon Disulfide	4.38	76	24983	3.913	ug/l	99
18) Methyl Acetate	4.67	43	4935	5.053	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	14676	4.387	ug/l	98
20) Methylene Chloride	4.92	84	10346	4.310	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	9737	4.120	ug/l	96
22) Diisopropyl ether	6.31	45	29032	4.072	ug/l	94
23) Vinyl Acetate	6.26	43	86388	19.934	ug/l	99
24) 1,1-Dichloroethane	6.21	63	17412	4.074	ug/l	98
25) 2-Butanone	7.17	43	12589	21.955	ug/l	99
26) 2,2-Dichloropropane	7.16	77	12644	4.464	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	10852	4.228	ug/l	100
28) Bromochloromethane	7.51	49	7586	4.414	ug/l	99
29) Tetrahydrofuran	7.54	42	8660	22.949	ug/l	98
30) Chloroform	7.68	83	18064	4.254	ug/l	96
31) Cyclohexane	7.95	56	21714	5.004	ug/l #	73
32) 1,1,1-Trichloroethane	7.87	97	14955	4.190	ug/l	97
36) 1,1-Dichloropropene	8.08	75	14698	4.129	ug/l	99
37) Ethyl Acetate	7.26	43	6185	4.478	ug/l	97
38) Carbon Tetrachloride	8.07	117	13400	4.027	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	18721	4.155	ug/l	99
40) Benzene	8.32	78	39036	4.021	ug/l	94
41) Methacrylonitrile	7.49	41	3932	4.506	ug/l	92
42) 1,2-Dichloroethane	8.40	62	12653	4.279	ug/l	100
43) Isopropyl Acetate	8.42	43	11965	4.119	ug/l	100
44) Trichloroethene	9.09	130	10283	4.087	ug/l	100
45) 1,2-Dichloropropane	9.37	63	9908	4.132	ug/l	97
46) Dibromomethane	9.46	93	4858	4.073	ug/l	98
47) Bromodichloromethane	9.65	83	12835	3.948	ug/l	95
48) Methyl methacrylate	9.44	41	5547	4.134	ug/l	94
49) 1,4-Dioxane	9.45	88	1460	97.266	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	29389	21.590	ug/l	100
52) Toluene	10.38	92	25313	4.013	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	13043	3.931	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	15383	3.938	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	6974	4.135	ug/l	98
56) Ethyl methacrylate	10.65	69	9343	4.032	ug/l	98
57) 1,3-Dichloropropane	10.93	76	12555	4.140	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	24411	21.652	ug/l	99
59) 2-Hexanone	10.97	43	19352	21.011	ug/l	97
60) Dibromochloromethane	11.13	129	8108	3.997	ug/l	98
61) 1,2-Dibromoethane	11.23	107	6379	3.994	ug/l	97
64) Tetrachloroethene	10.86	164	8417	4.286	ug/l	92
65) Chlorobenzene	11.66	112	26373	4.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	8982	3.999	ug/l	98
67) Ethyl Benzene	11.73	91	50345	4.152	ug/l	97
68) m/p-Xylenes	11.84	106	36918	8.189	ug/l	99
69) o-Xylene	12.16	106	17579	4.149	ug/l	100
70) Styrene	12.18	104	28984	3.972	ug/l	99
71) Bromoform	12.35	173	4273	3.901	ug/l #	100
73) Isopropylbenzene	12.46	105	48485	4.201	ug/l	100
74) N-amyl acetate	12.27	43	12180	4.465	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	7981	4.420	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	6143m	4.830	ug/l	
77) Bromobenzene	12.74	156	10408	4.255	ug/l	99
78) n-propylbenzene	12.80	91	59102	4.268	ug/l	100
79) 2-Chlorotoluene	12.89	91	32611	4.178	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	40505	4.167	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	2358m	3.667	ug/l	
82) 4-Chlorotoluene	12.99	91	34426	4.162	ug/l	98
83) tert-Butylbenzene	13.21	119	35093	4.231	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	39946	4.107	ug/l	97
85) sec-Butylbenzene	13.38	105	48549	4.154	ug/l	99
86) p-Isopropyltoluene	13.50	119	43873	4.116	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	20683	4.245	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	20760	4.303	ug/l	92
89) n-Butylbenzene	13.82	91	42954	4.116	ug/l	100
90) Hexachloroethane	14.09	117	7917	4.030	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	17781	4.215	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1310	4.156	ug/l	96

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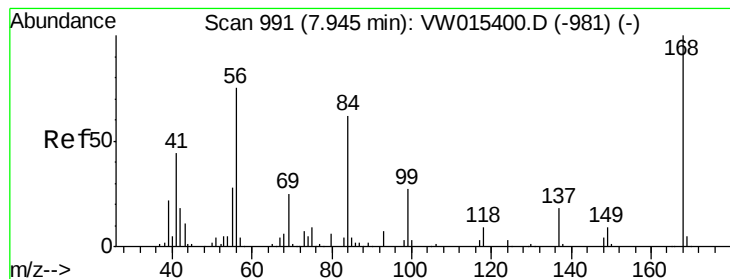
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	11508	4.059	ug/l	99
94) Hexachlorobutadiene	15.23	225	6982	4.156	ug/l	96
95) Naphthalene	15.36	128	19872	3.913	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	9312	3.823	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:168 Resp: 215425

Ion Ratio Lower Upper

168 100

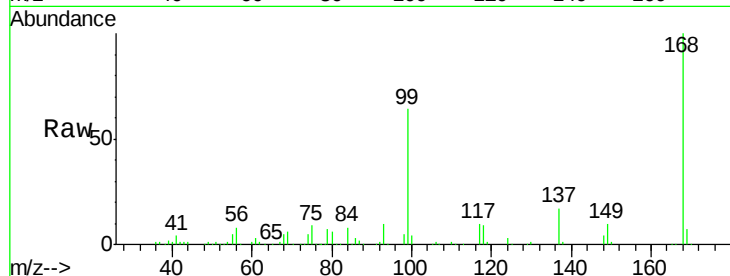
99 63.9 50.3 75.5

Manual Integrations

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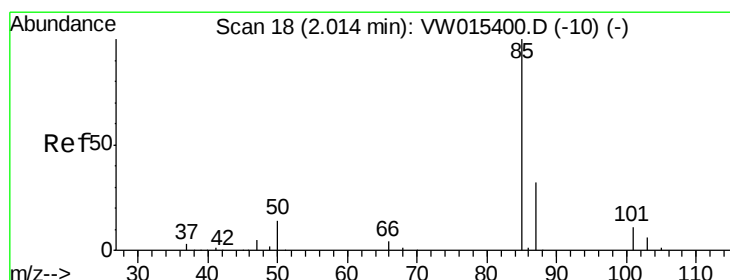
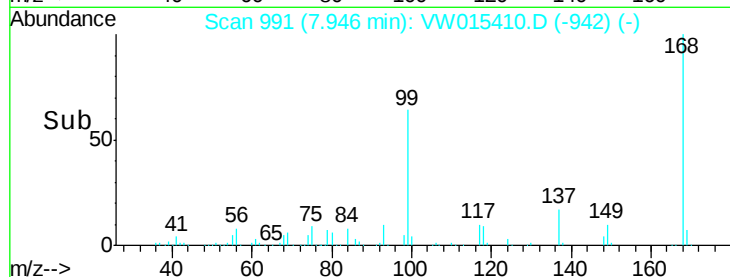
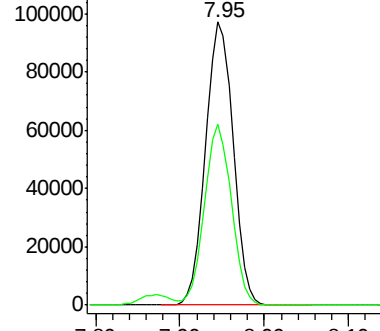
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 3.650 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015410.D

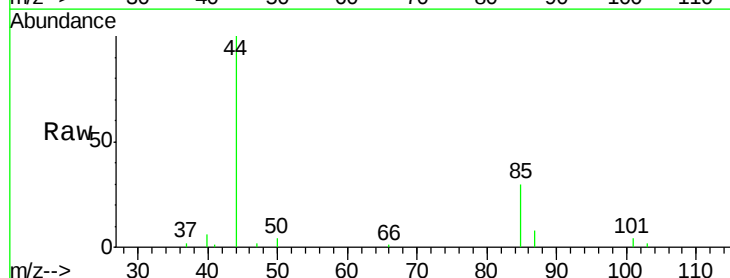
Acq: 06 May 2020 12:47

Tgt Ion: 85 Resp: 4546

Ion Ratio Lower Upper

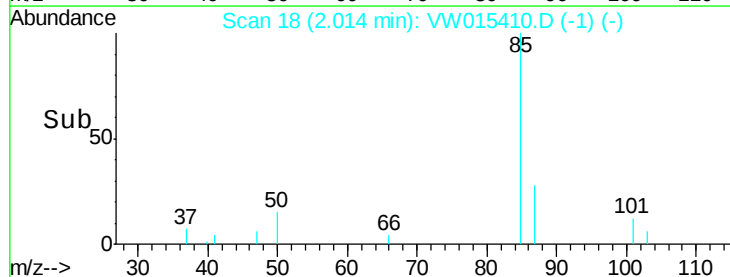
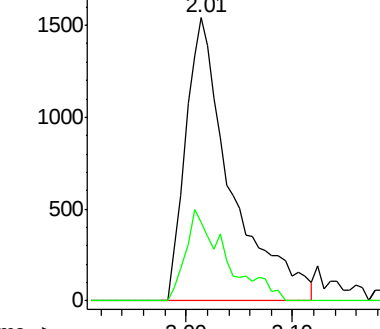
85 100

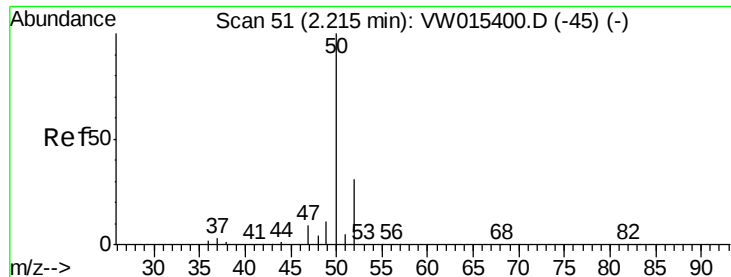
87 27.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 4.264 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 50 Resp: 6649

Ion Ratio Lower Upper

50 100

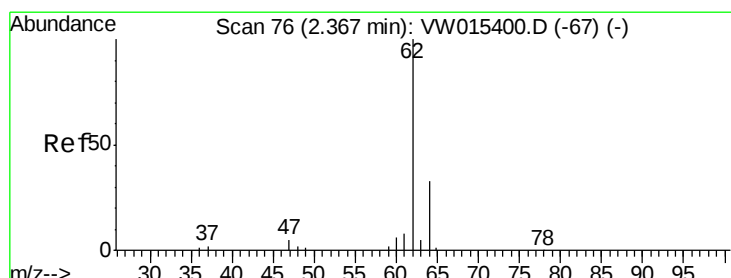
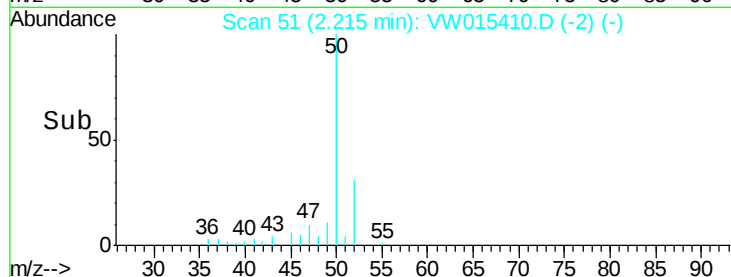
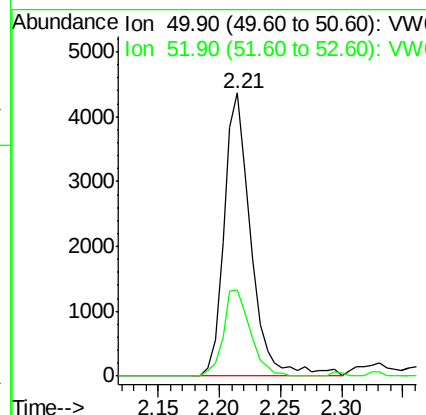
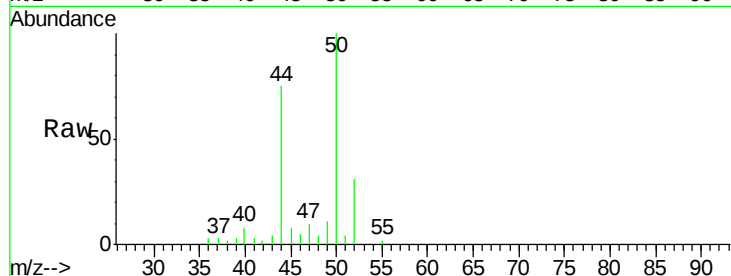
52 30.5 25.0 37.6

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#4

Vinyl Chloride

Concen: 3.967 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015410.D

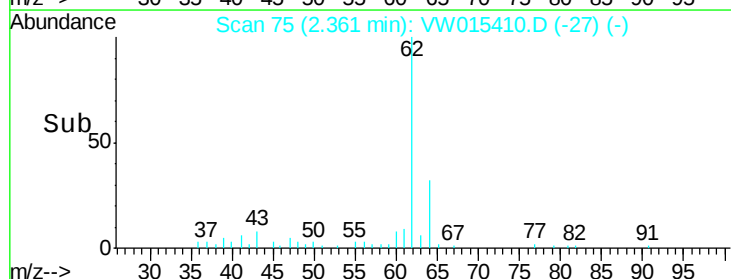
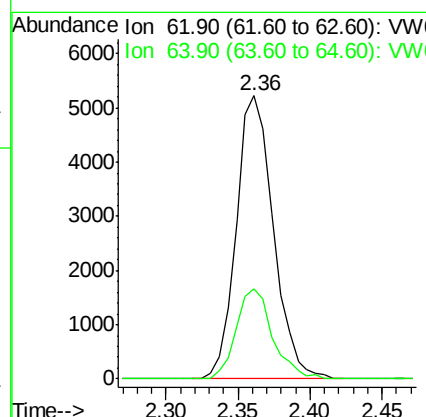
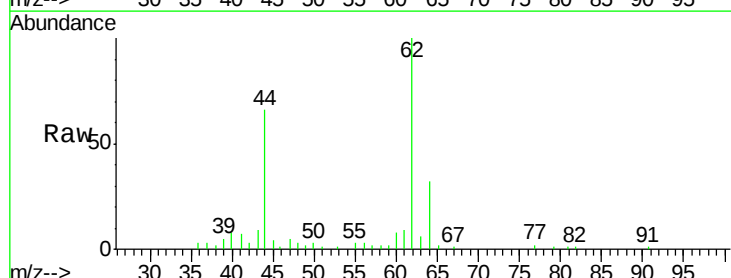
Acq: 06 May 2020 12:47

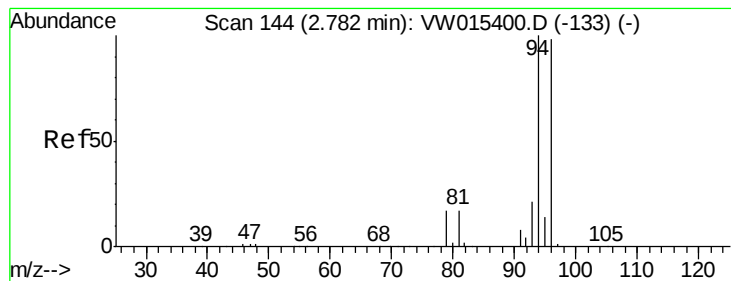
Tgt Ion: 62 Resp: 9368

Ion Ratio Lower Upper

62 100

64 31.6 26.4 39.6





#5

Bromomethane

Concen: 3.846 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

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Tot Ion: 94 Resp: 7114

Ion Ratio Lower Upper

94 100

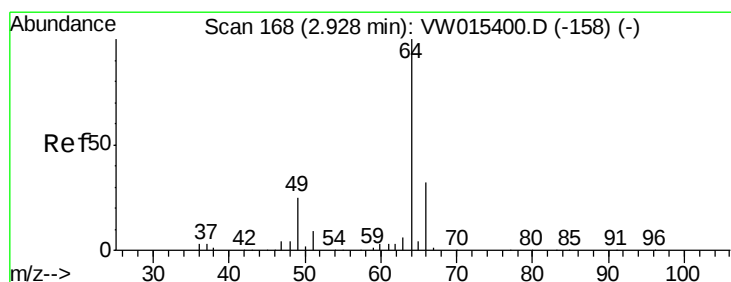
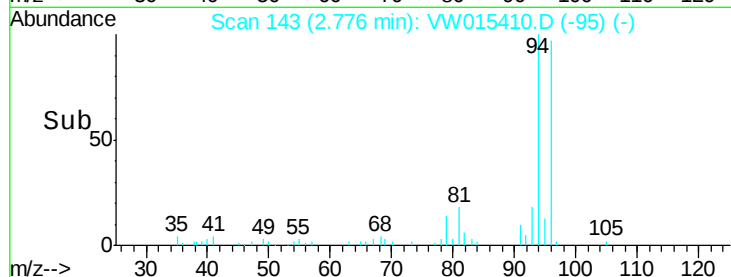
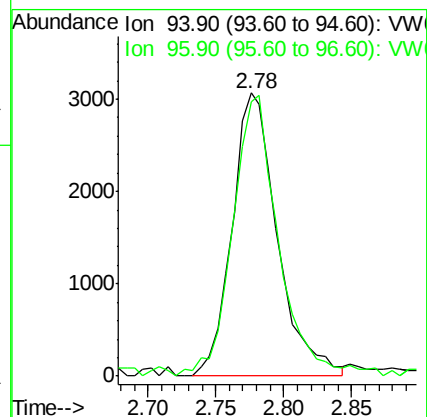
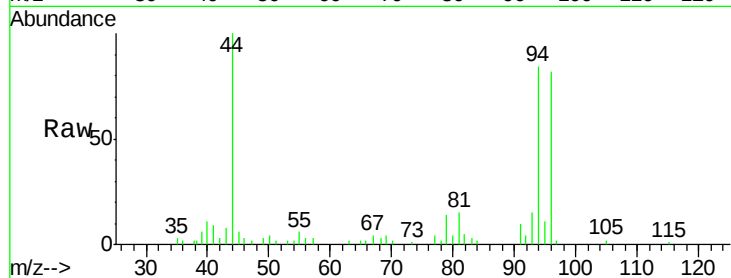
96 95.0 78.8 118.2

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#6

Chloroethane

Concen: 3.943 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015410.D

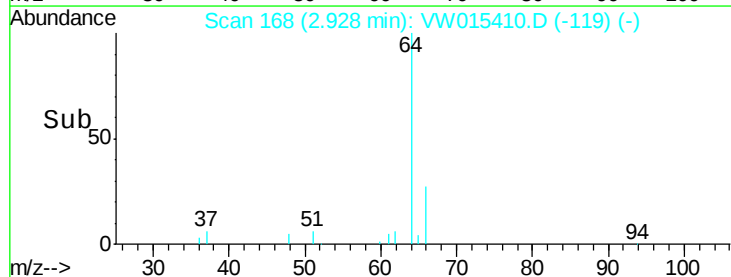
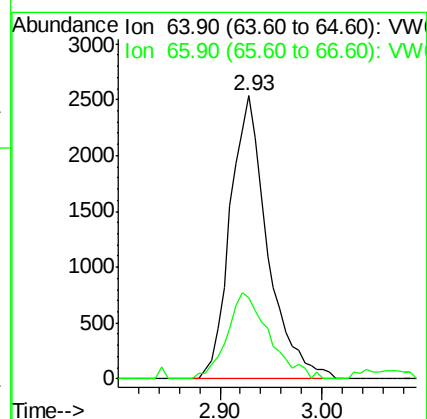
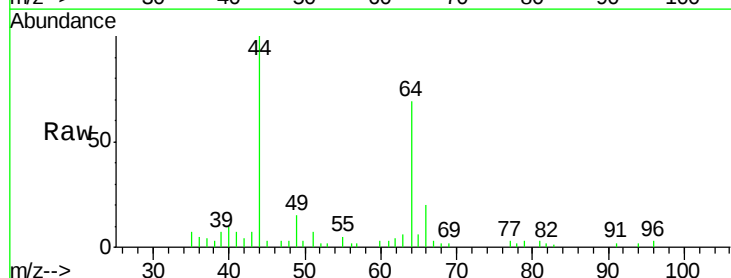
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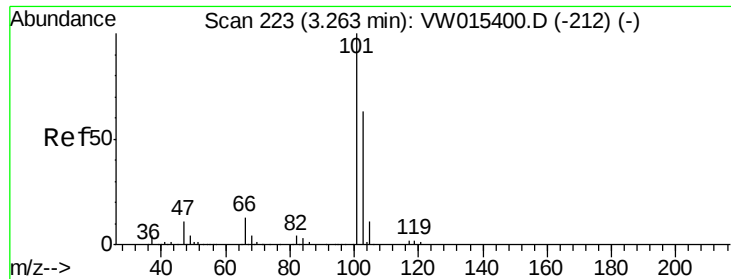
Tgt Ion: 64 Resp: 6417

Ion Ratio Lower Upper

64 100

66 28.5 25.4 38.0





#7

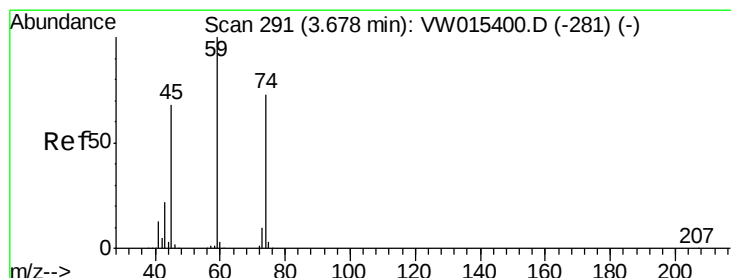
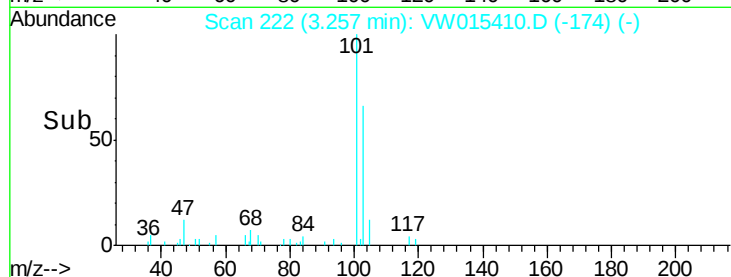
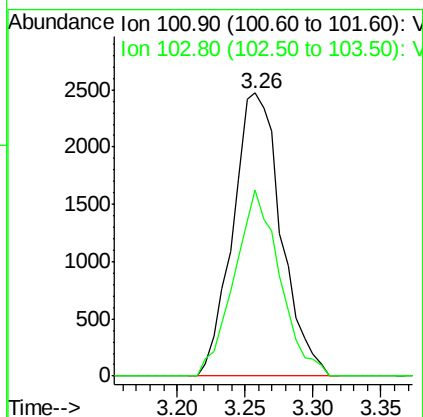
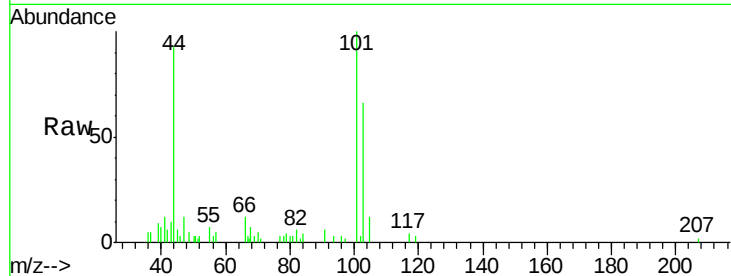
Trichlorofluoromethane
 Concen: 3.535 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015410.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.2	75.4

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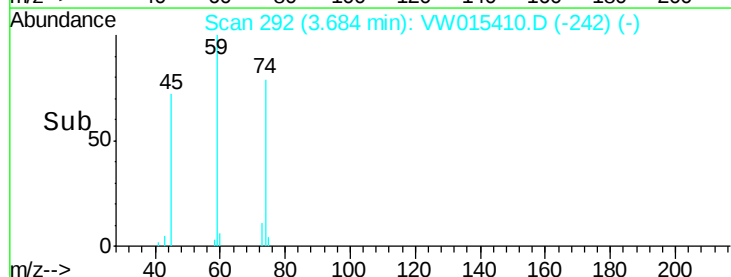
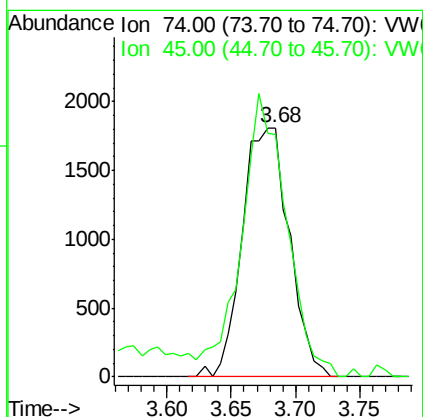
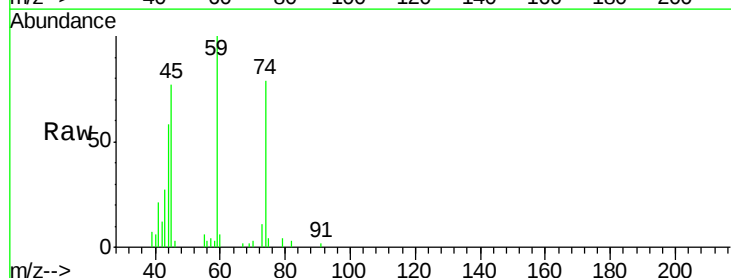
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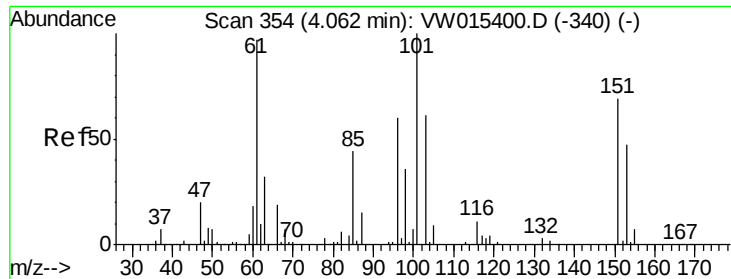


#8

Diethyl Ether
 Concen: 4.226 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.1	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.142 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

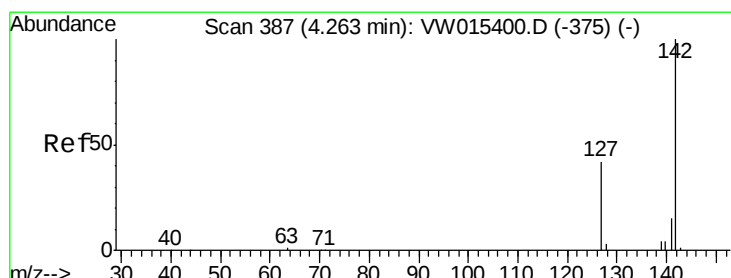
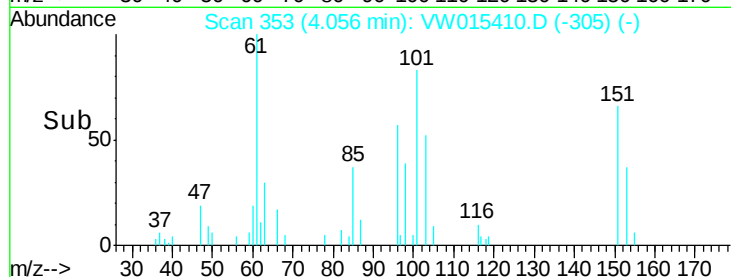
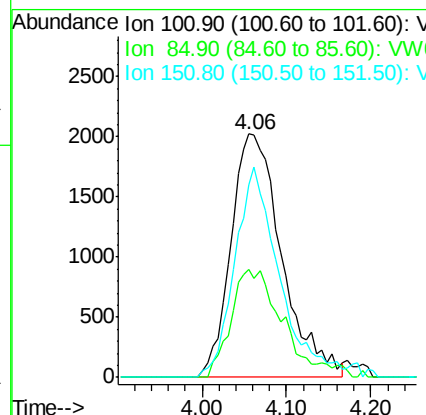
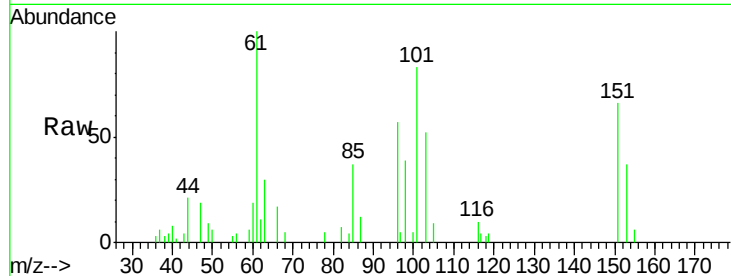
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	101	Resp:	8317
Ion Ratio	Lower	Upper	
101	100		
85	44.3	37.3	55.9
151	75.3	58.9	88.3

Manual Integrations
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#10

Methyl Iodide

Concen: 3.996 ug/l

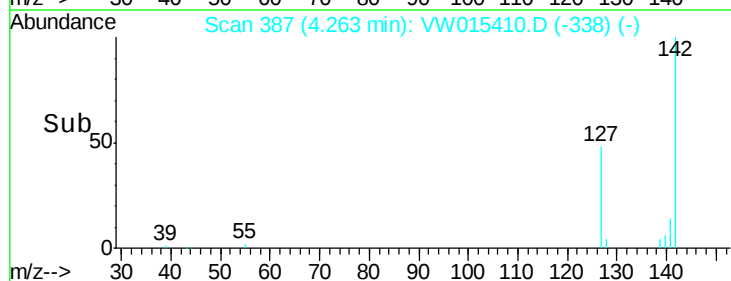
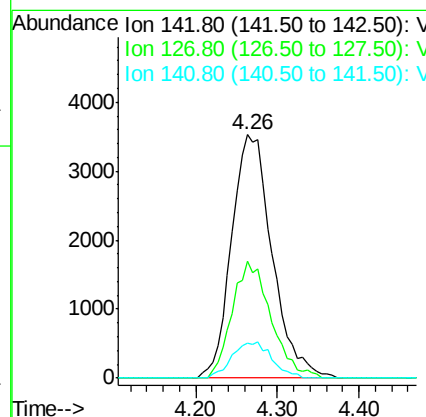
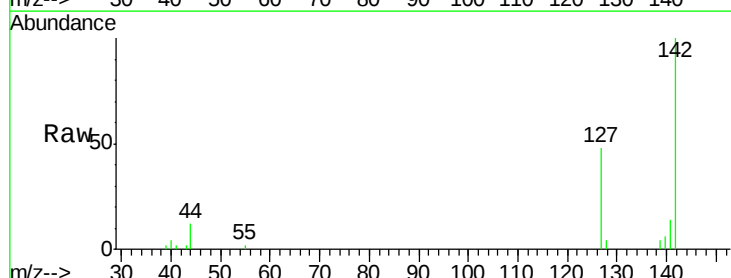
RT: 4.26 min Scan# 387

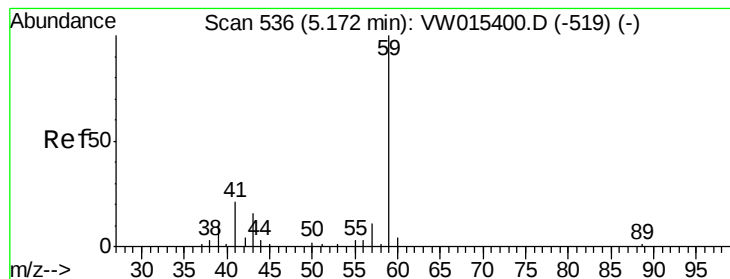
Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Tgt Ion:	142	Resp:	12142
Ion Ratio	Lower	Upper	
142	100		
127	46.0	35.4	53.2
141	14.4	11.7	17.5





#11

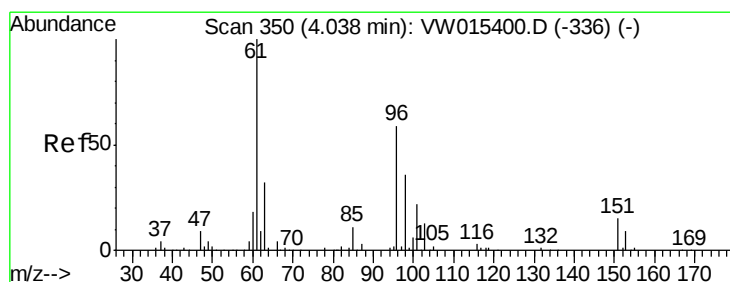
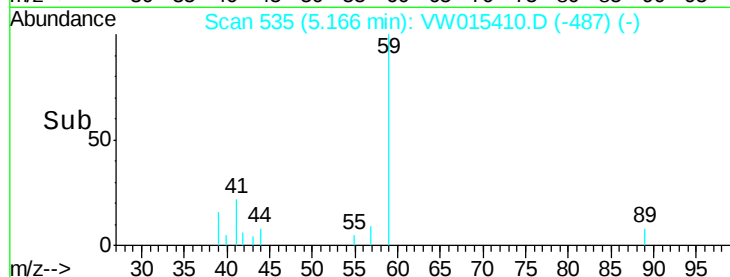
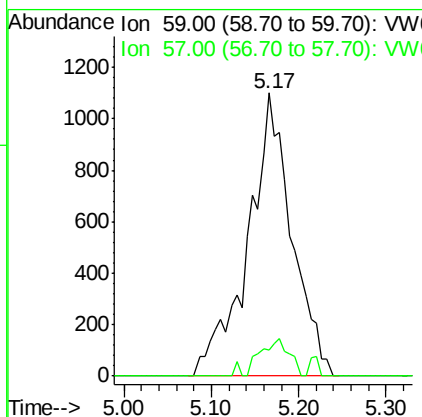
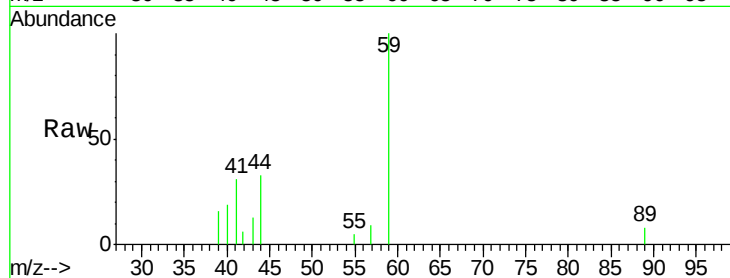
Tert butyl alcohol
 Concen: 28.201 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.6	13.0#

Manual Integrations
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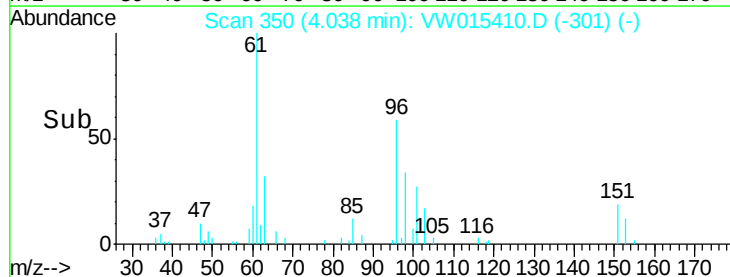
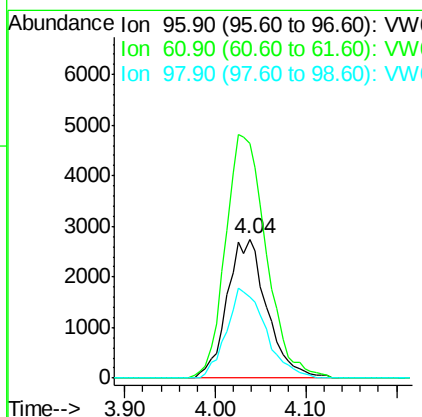
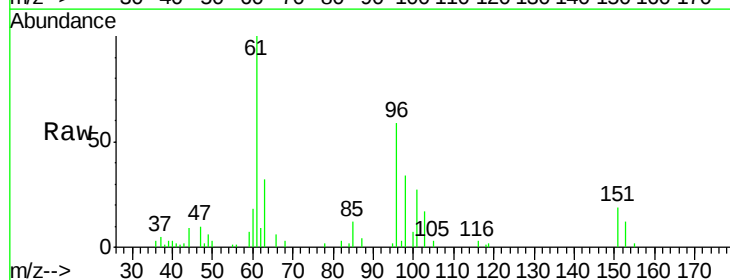
MMDadoda
 5/7/2020 10:34:57 AM

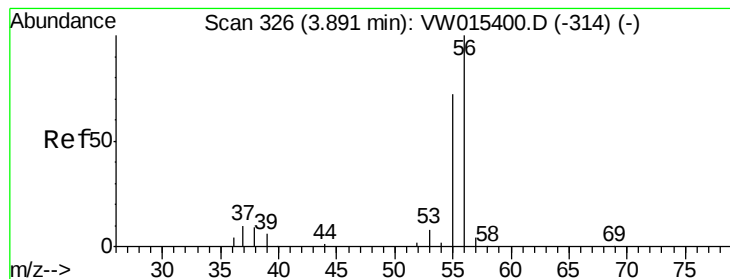


#12

1,1-Dichloroethene
 Concen: 4.025 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.2	135.8	203.8
98	58.1	48.6	72.8





#13

Acrolein

Concen: 21.808 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 56 Resp: 3803

Ion Ratio Lower Upper

56 100

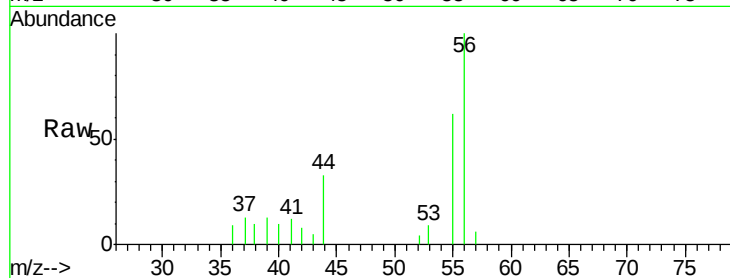
55 81.0 56.4 84.6

Manual Integrations

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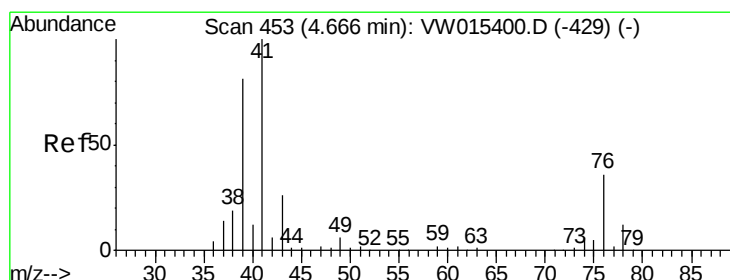
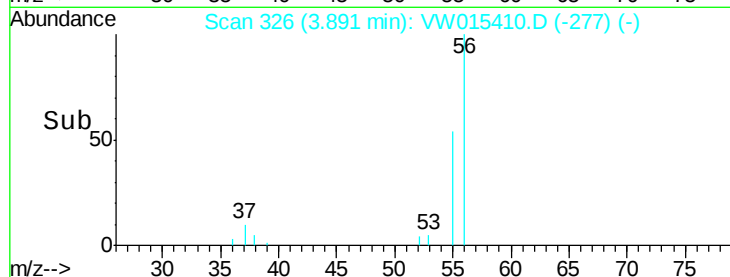
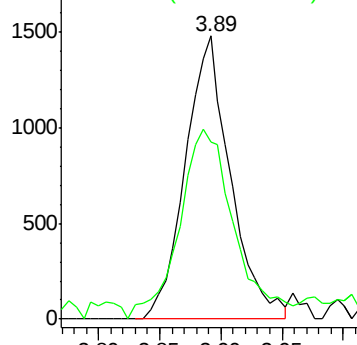
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 3.967 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

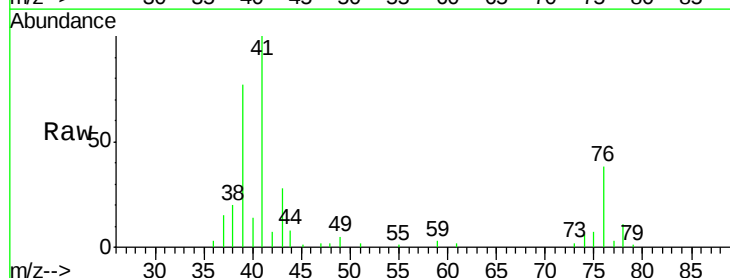
Tgt Ion: 41 Resp: 14472

Ion Ratio Lower Upper

41 100

39 78.0 63.6 95.4

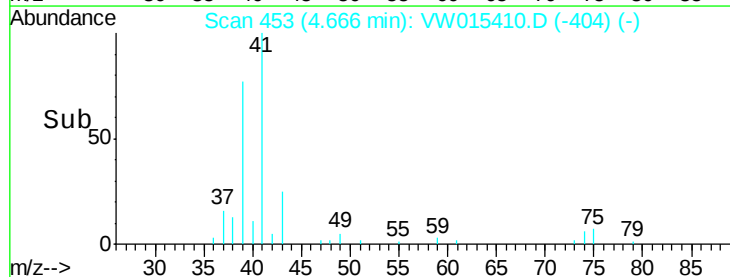
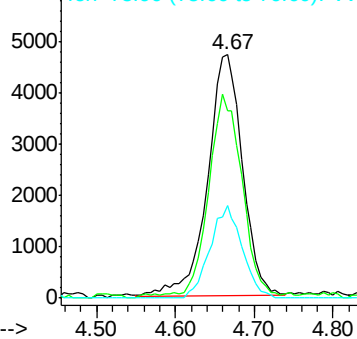
76 34.9 28.4 42.6

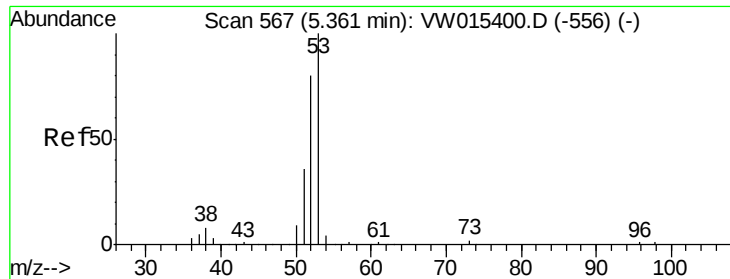


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 21.578 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

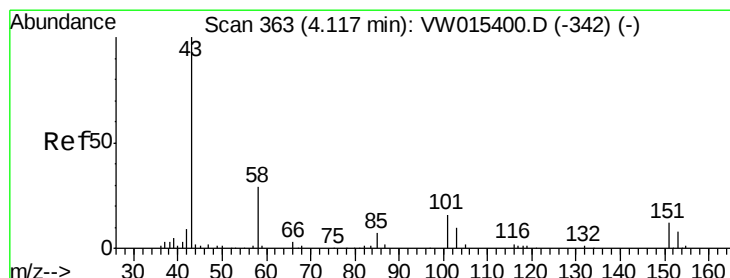
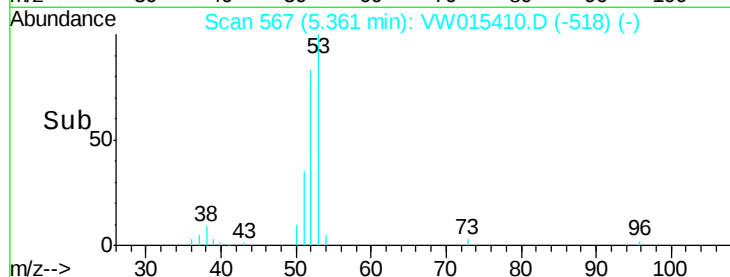
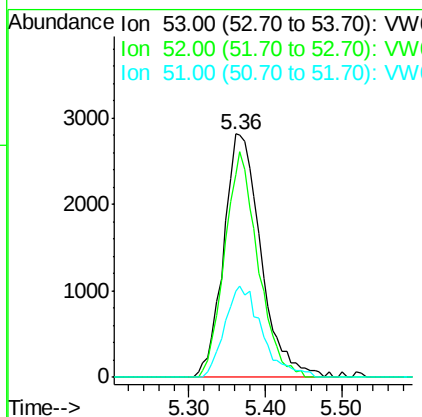
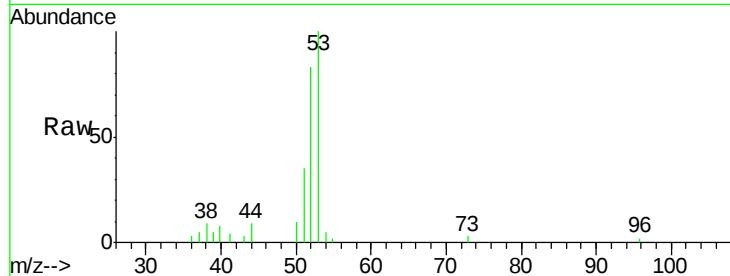
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	53	Resp:	9505
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.6	99.8
51	37.6	30.2	45.2

Manual Integrations
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MMDadoda
5/7/2020 10:34:57 AM



#16

Acetone

Concen: 24.736 ug/l

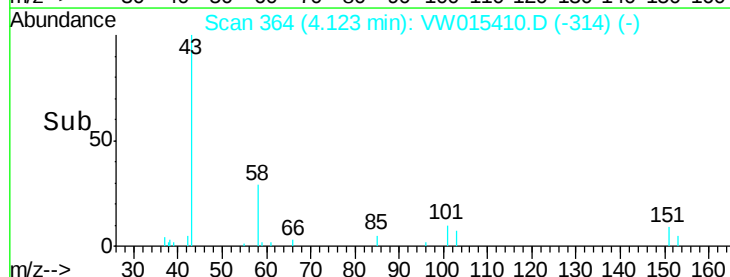
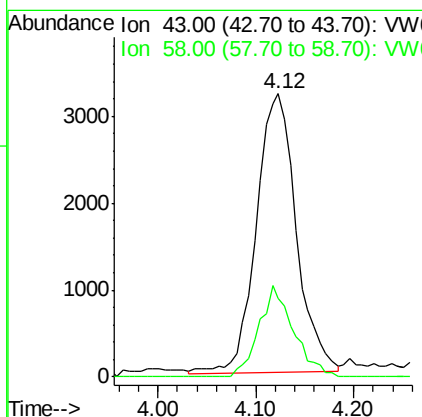
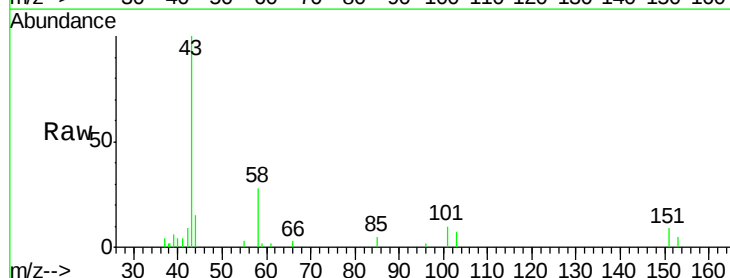
RT: 4.12 min Scan# 364

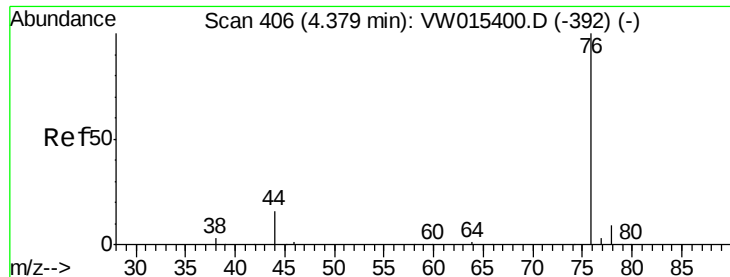
Delta R.T. 0.01 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Tgt Ion:	43	Resp:	9100
Ion	Ratio	Lower	Upper
43	100		
58	28.2	23.4	35.0





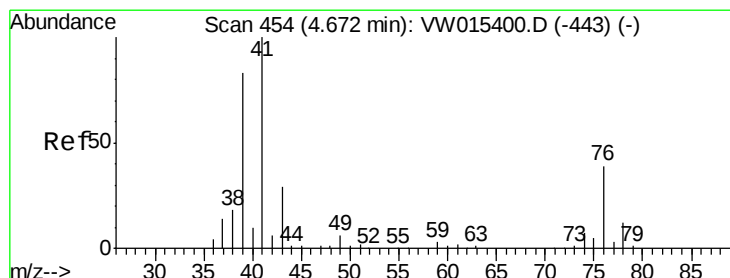
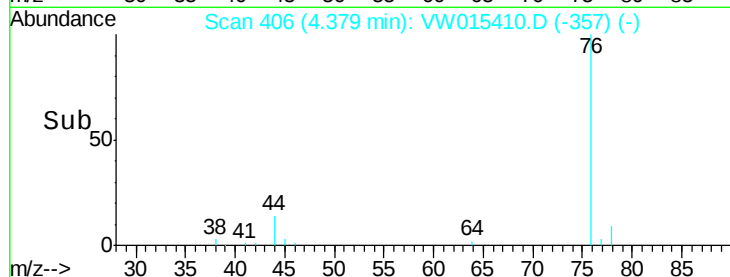
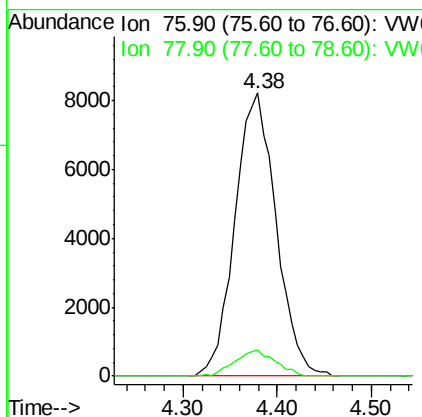
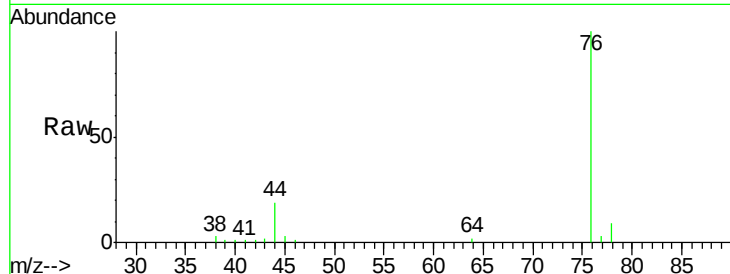
#17
Carbon Disulfide
Concen: 3.913 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

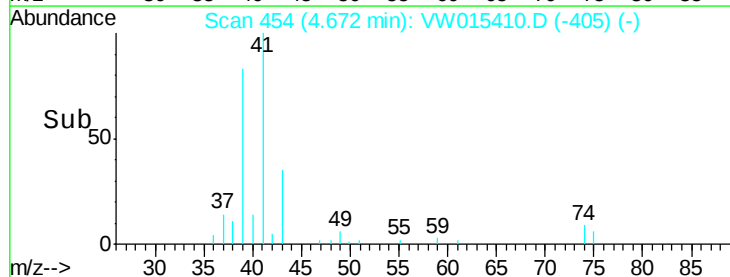
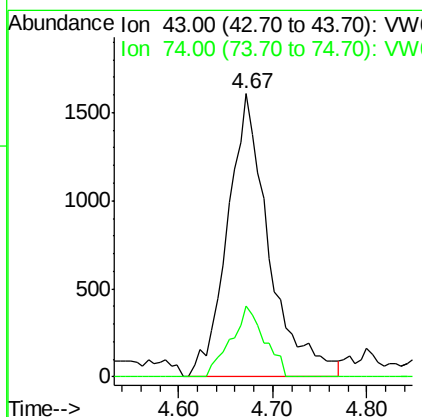
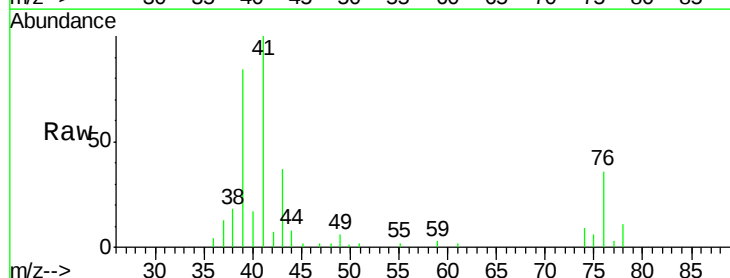
Manual Integrations
APPROVED

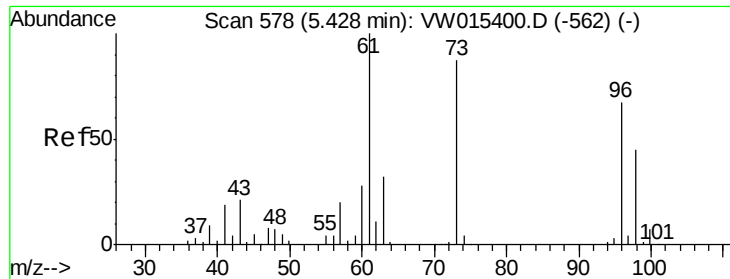
MMDadoda
5/7/2020 10:34:57 AM



#18
Methyl Acetate
Concen: 5.053 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	18.7	28.1





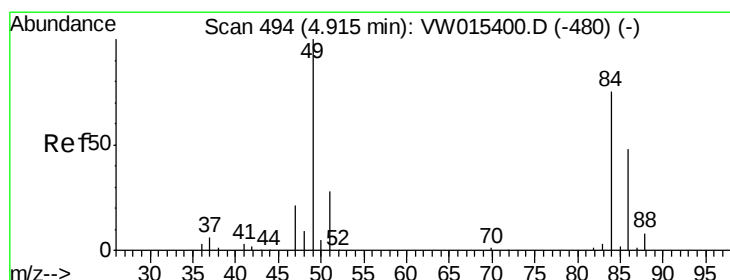
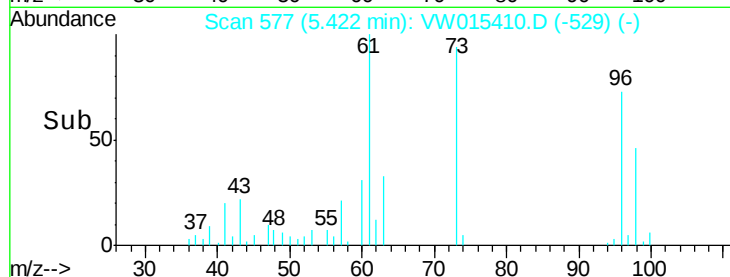
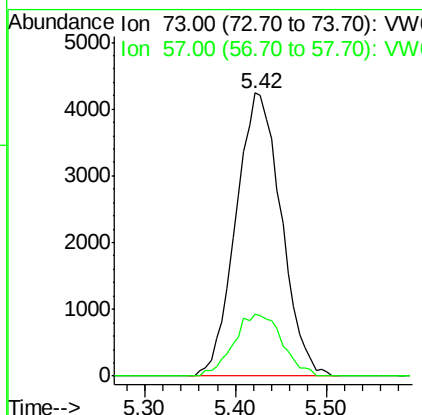
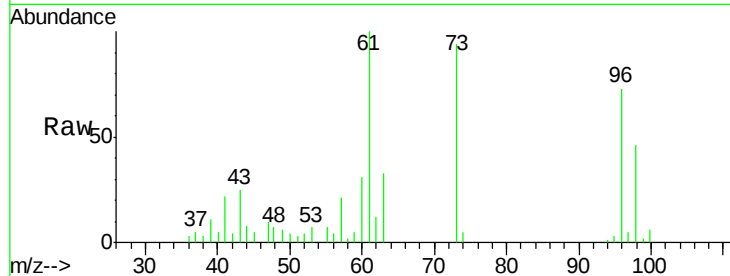
#19
Methyl tert-butyl Ether
Concen: 4.387 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 73 Resp: 14676
Ion Ratio Lower Upper
73 100
57 22.1 18.5 27.7

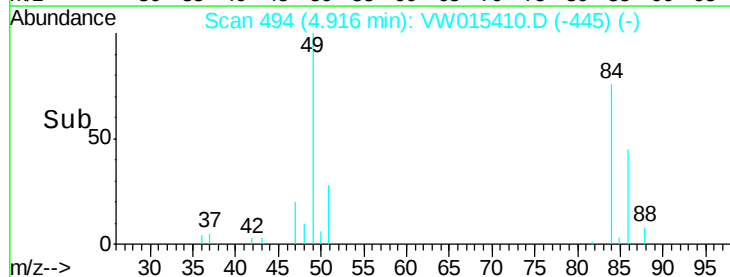
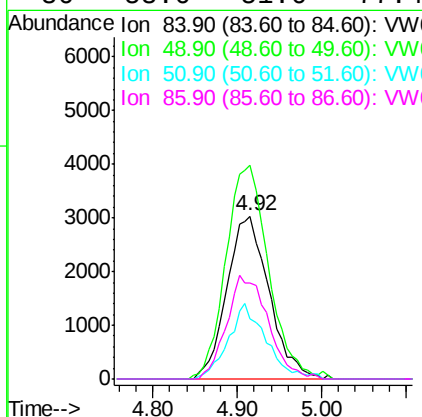
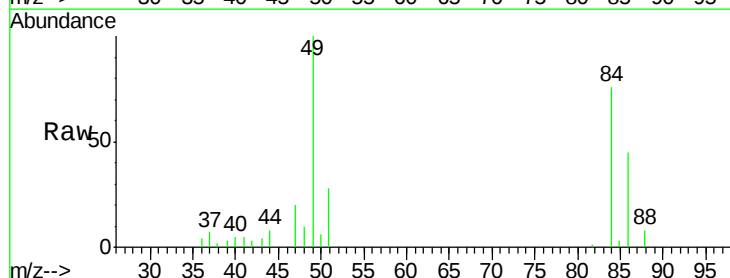
Manual Integrations
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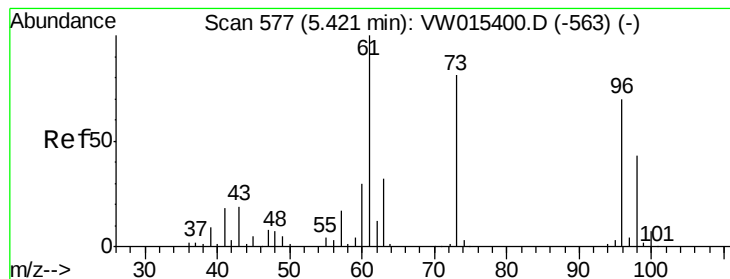
MMDadoda
5/7/2020 10:34:57 AM



#20
Methylene Chloride
Concen: 4.310 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Tgt Ion: 84 Resp: 10346
Ion Ratio Lower Upper
84 100
49 130.9 106.4 159.6
51 36.6 30.2 45.2
86 58.6 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 4.120 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

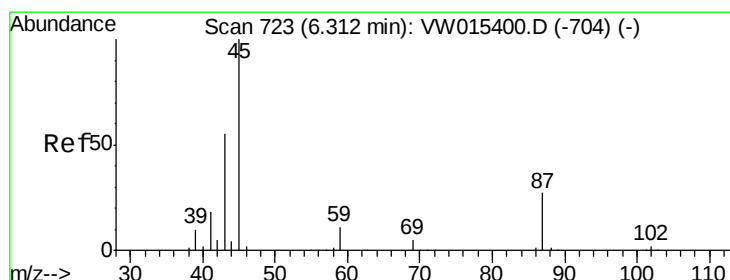
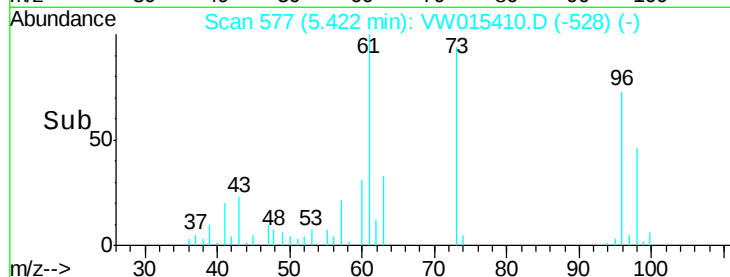
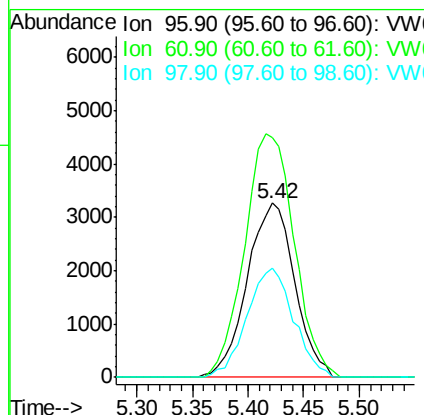
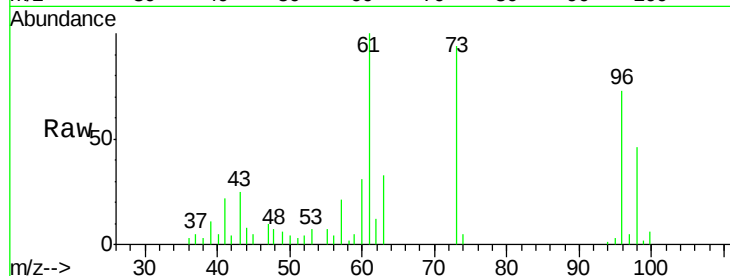
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	96	Resp:	9737
Ion	Ratio	Lower	Upper
96	100		
61	137.7	114.9	172.3
98	62.8	49.4	74.0

Manual Integrations
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MMDadoda
5/7/2020 10:34:57 AM



#22

Diisopropyl ether

Concen: 4.072 ug/l

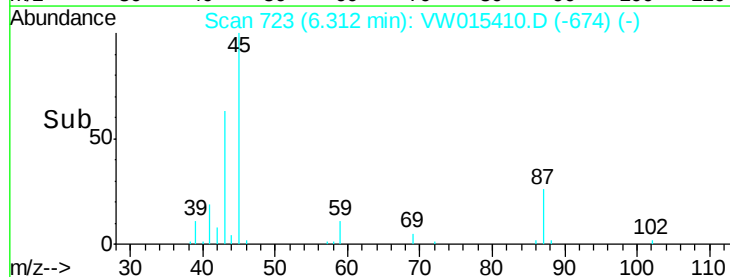
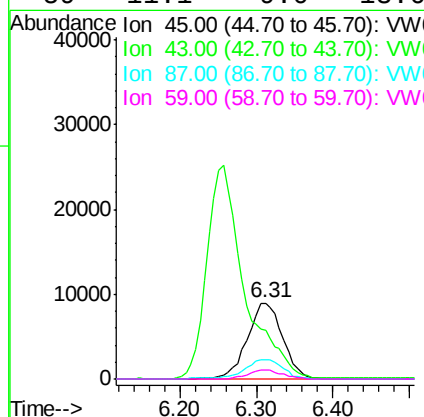
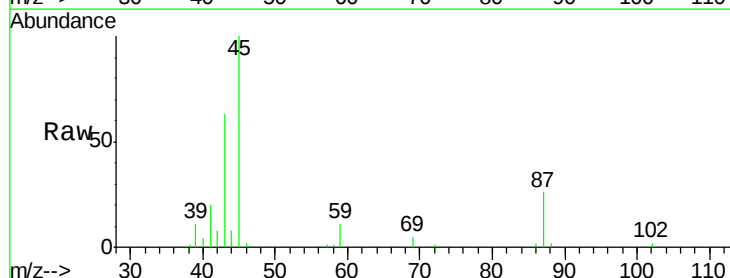
RT: 6.31 min Scan# 723

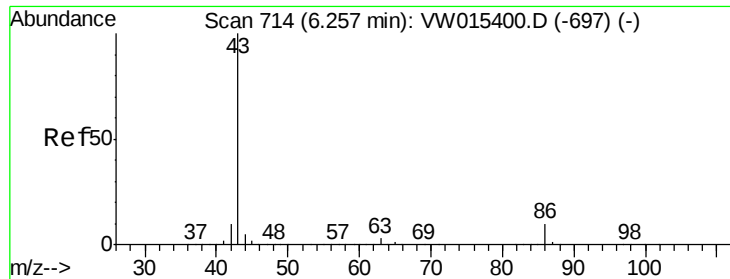
Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Tgt Ion:	45	Resp:	29032
Ion	Ratio	Lower	Upper
45	100		
43	61.8	44.2	66.4
87	25.5	21.6	32.4
59	11.1	9.0	13.6





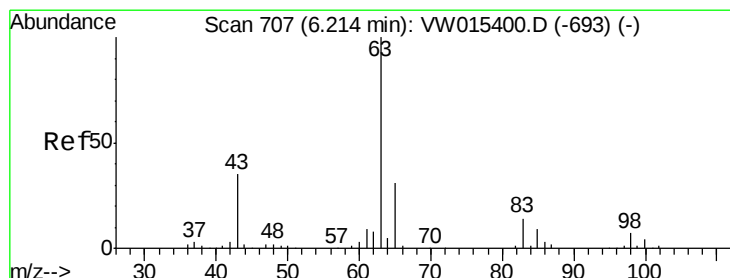
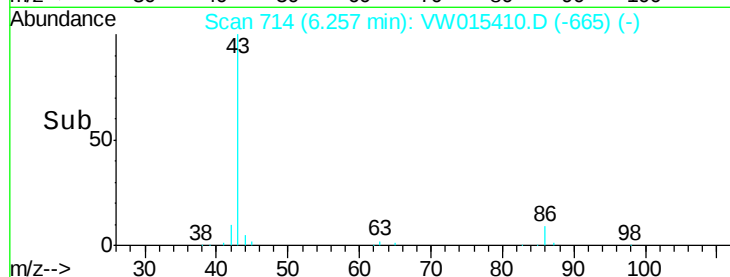
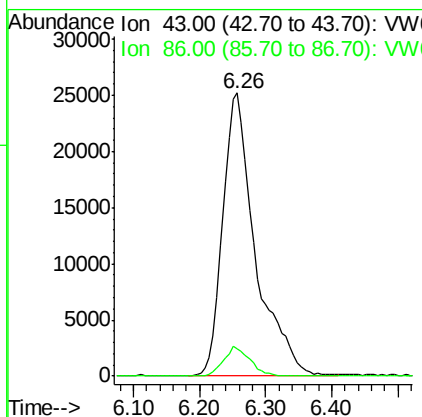
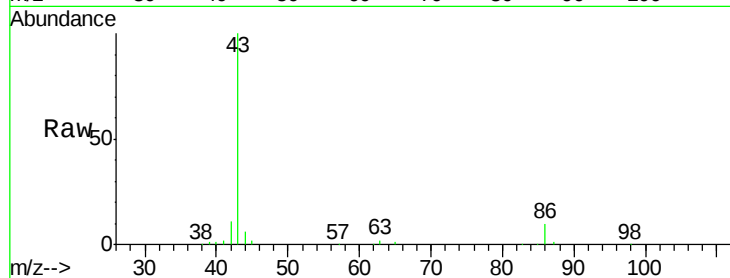
#23
 Vinyl Acetate
 Concen: 19.934 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	43	86	Resp	Lower	Upper
43	100				
86	9.6		8.1	12.1	

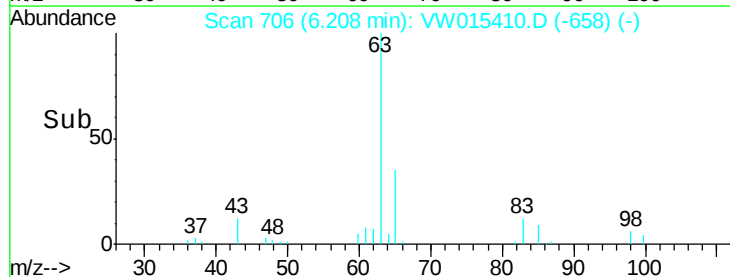
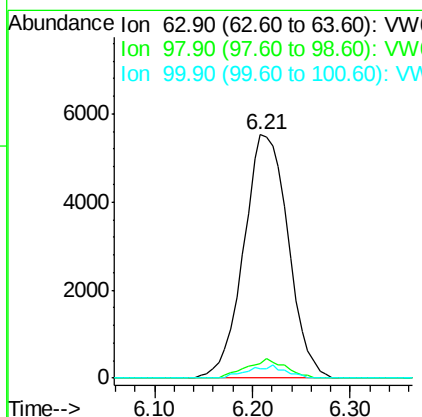
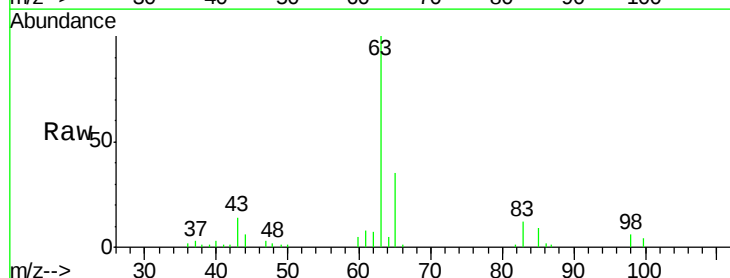
Manual Integrations
 APPROVED

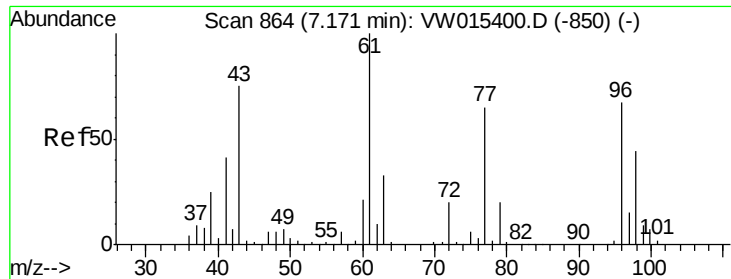
MMDadoda
 5/7/2020 10:34:57 AM



#24
 1,1-Dichloroethane
 Concen: 4.074 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Tgt Ion	63	98	100	Resp	Lower	Upper
63	100					
98	6.1			3.5	10.4	
100	3.9			2.1	6.5	





#25

2-Butanone

Concen: 21.955 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

ClientSampled :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 43 Resp: 12589

Ion Ratio Lower Upper

43 100

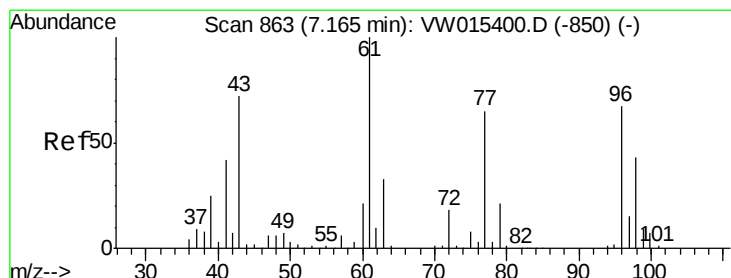
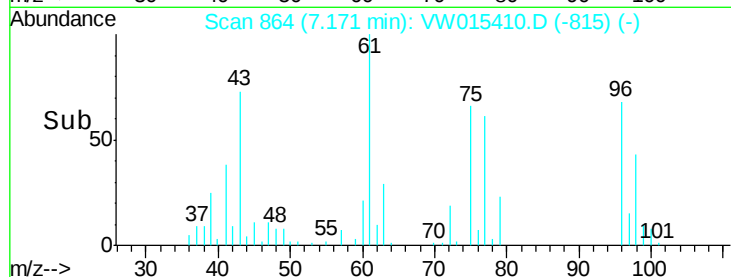
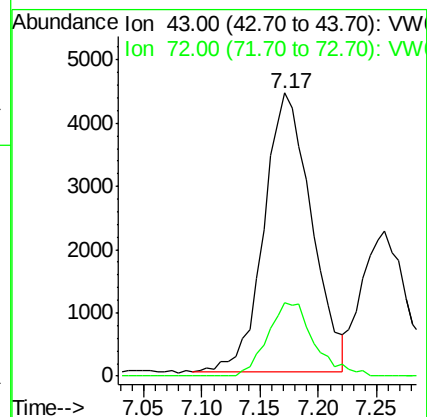
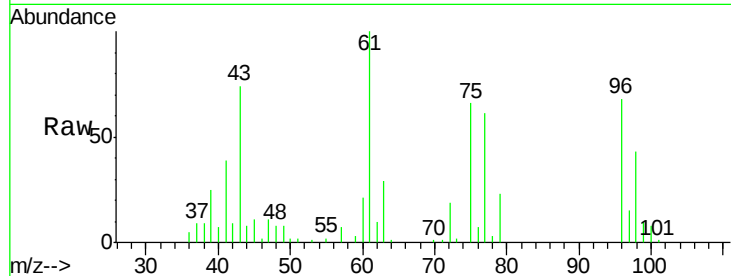
72 26.3 21.4 32.0

Manual Integrations

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5/7/2020 10:34:57 AM



#26

2,2-Dichloropropane

Concen: 4.464 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW015410.D

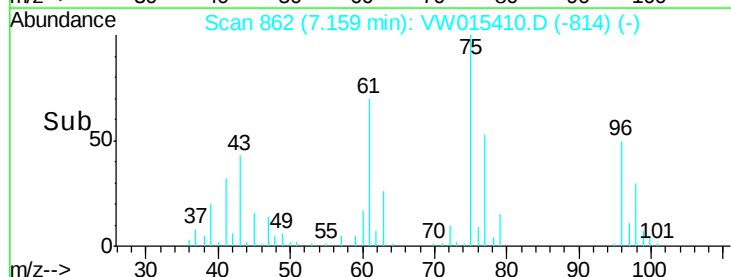
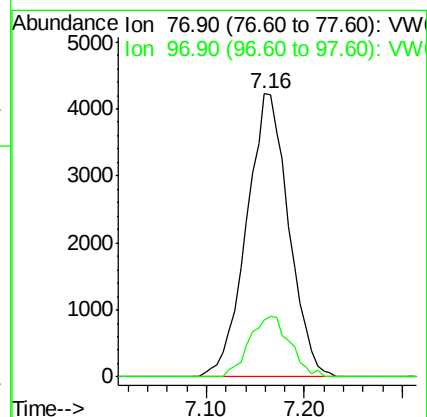
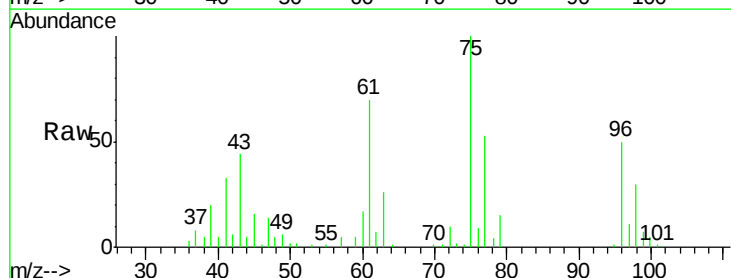
Acq: 06 May 2020 12:47

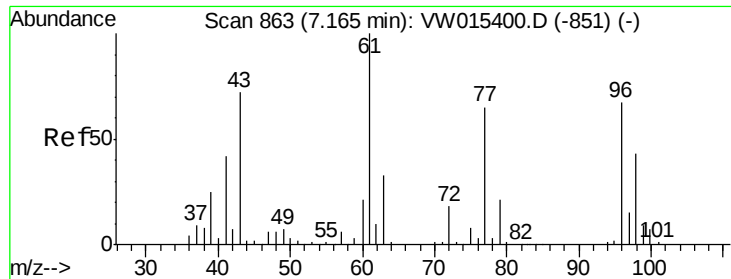
Tgt Ion: 77 Resp: 12644

Ion Ratio Lower Upper

77 100

97 20.5 11.1 33.1





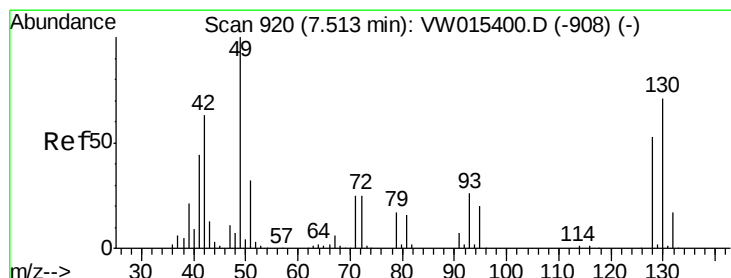
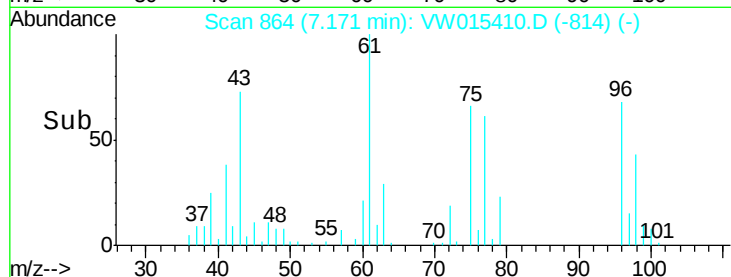
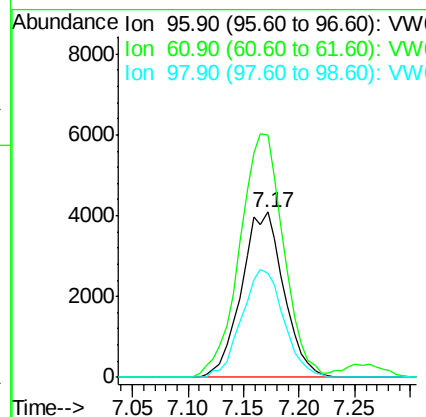
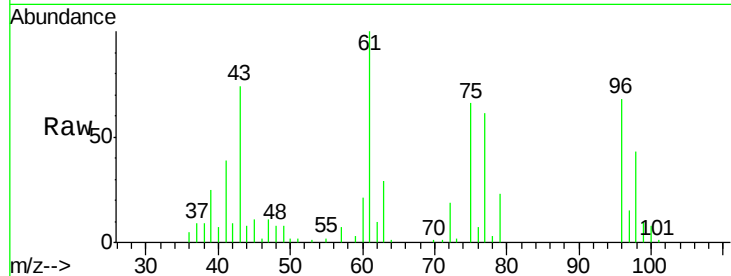
#27
 cis-1,2-Dichloroethene
 Concen: 4.228 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	304.6
98	64.5	0.0	129.2

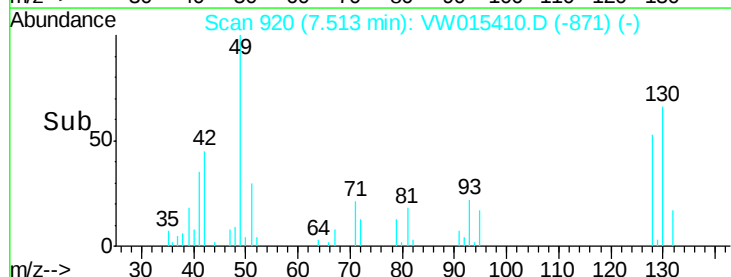
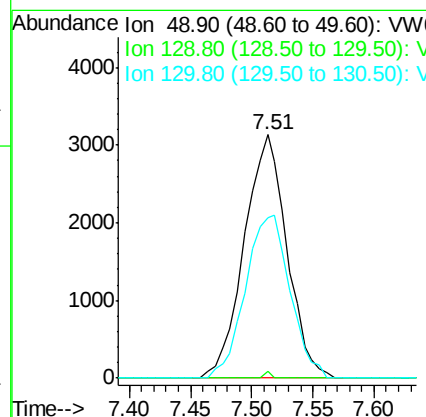
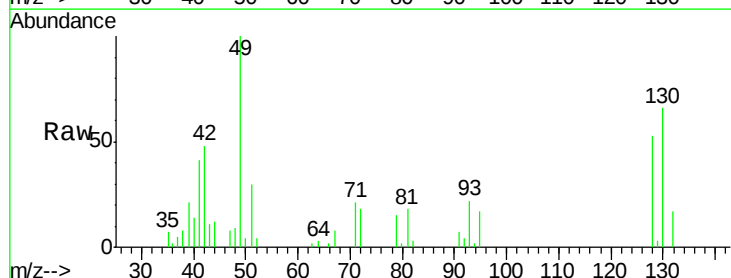
Manual Integrations
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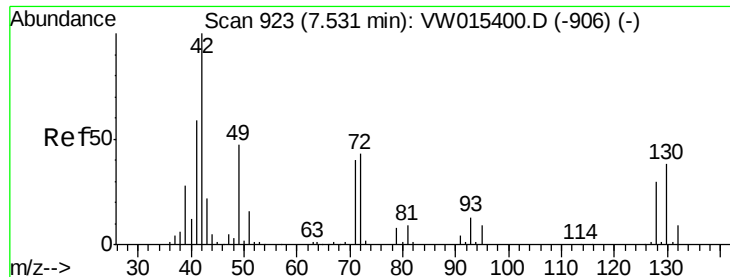
MMDadoda
 5/7/2020 10:34:57 AM



#28
 Bromochloromethane
 Concen: 4.414 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.0
130	70.1	57.0	85.4





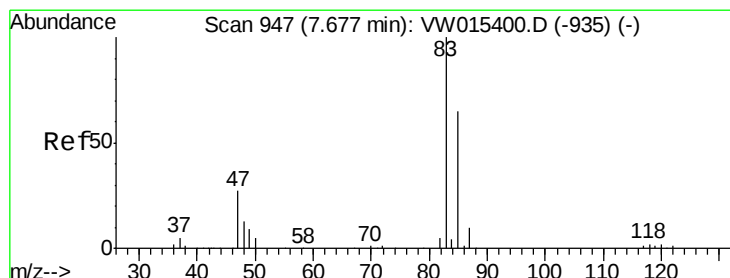
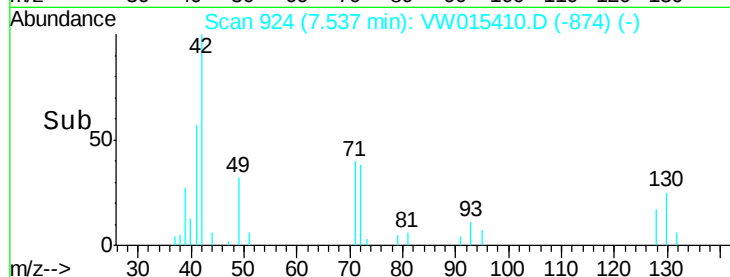
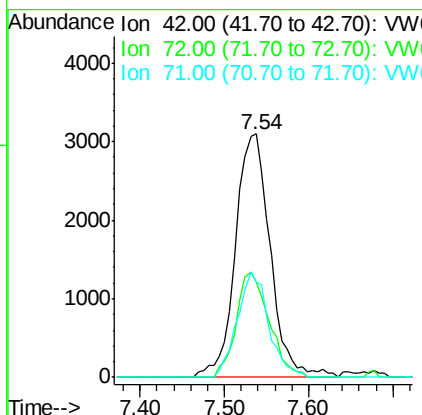
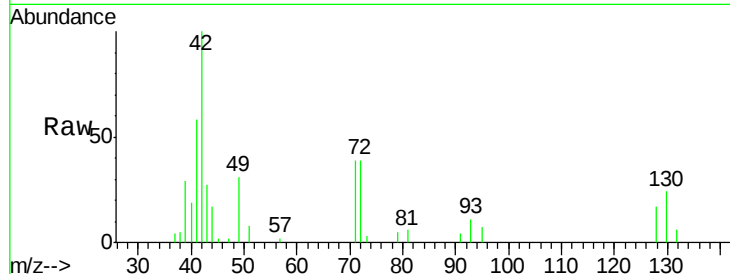
#29
Tetrahydrofuran
Concen: 22.949 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	33.6	50.4
71	39.1	32.1	48.1

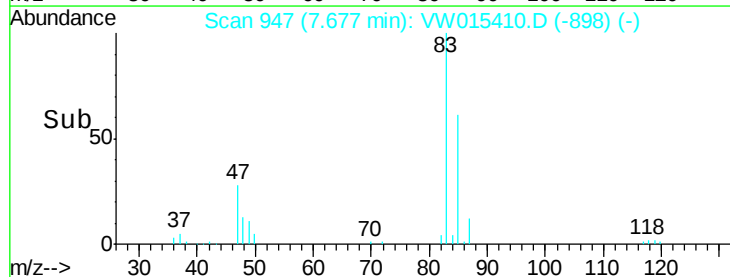
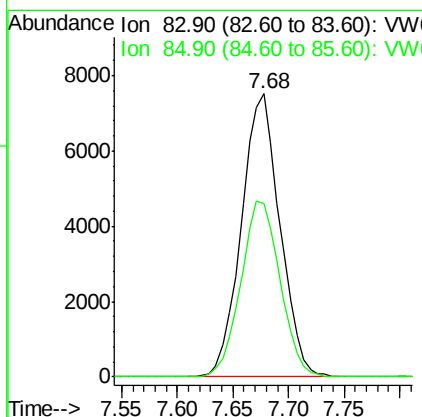
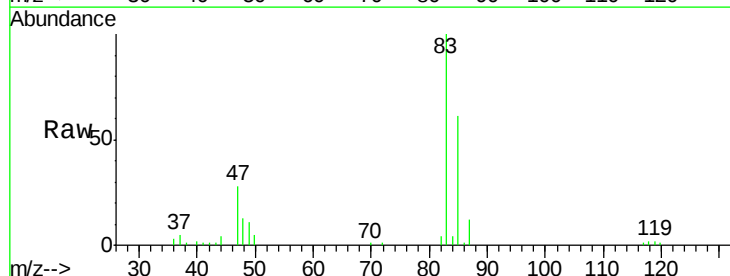
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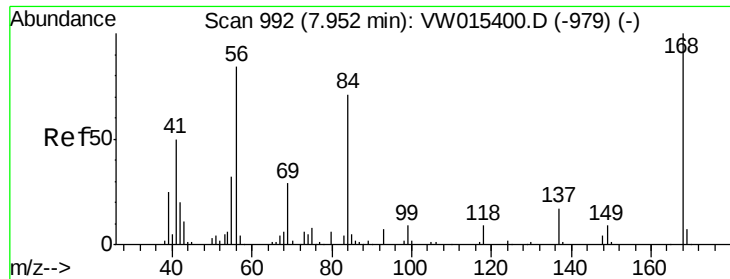
MMDadoda
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#30
Chloroform
Concen: 4.254 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.8	77.6





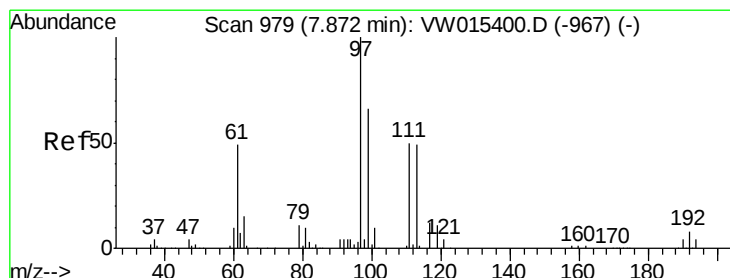
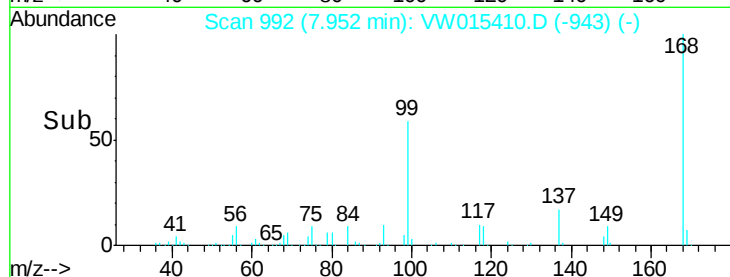
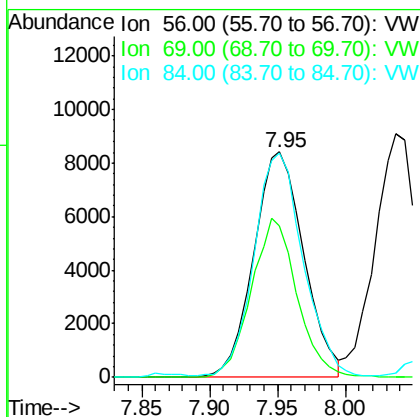
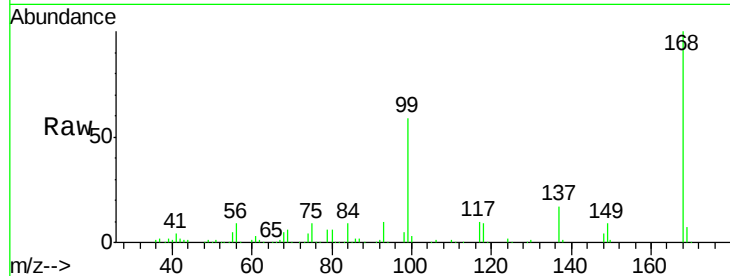
#31
Cyclohexane
Concen: 5.004 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	66.9	27.2	40.8#
84	98.5	67.7	101.5

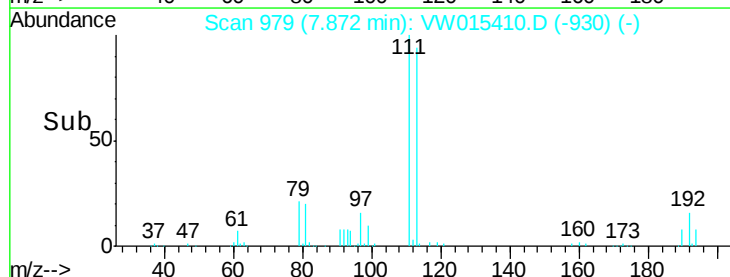
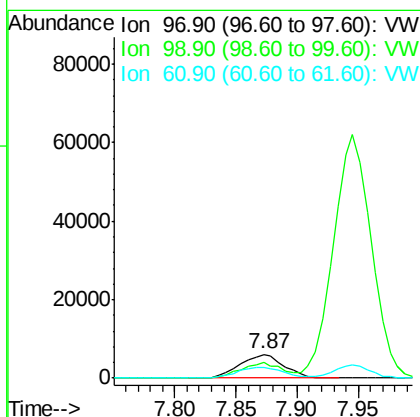
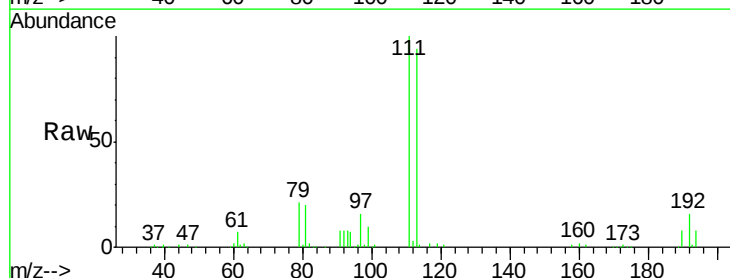
Manual Integrations
APPROVED

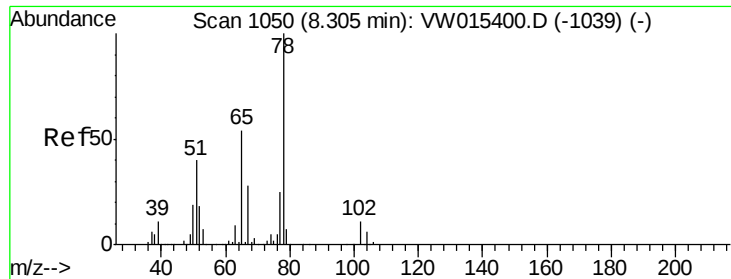
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 4.190 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.1	50.7	76.1
61	48.9	38.0	57.0





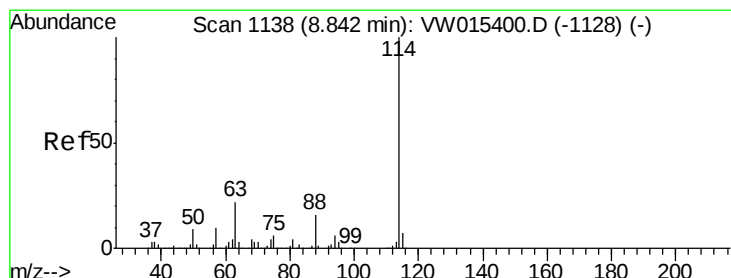
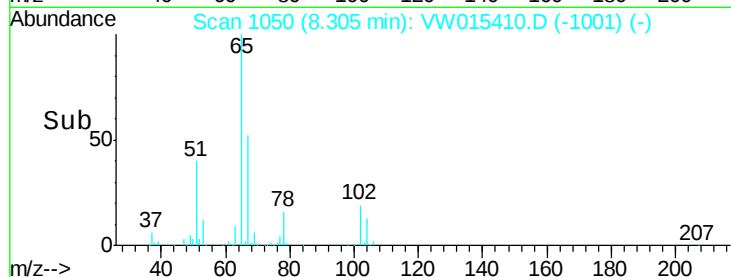
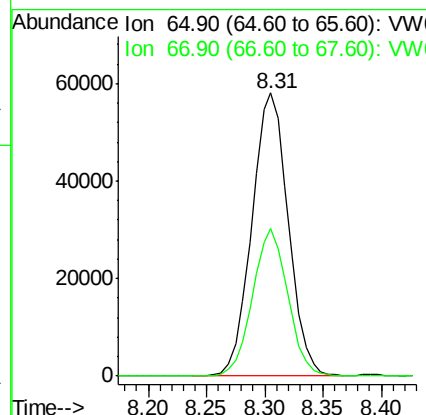
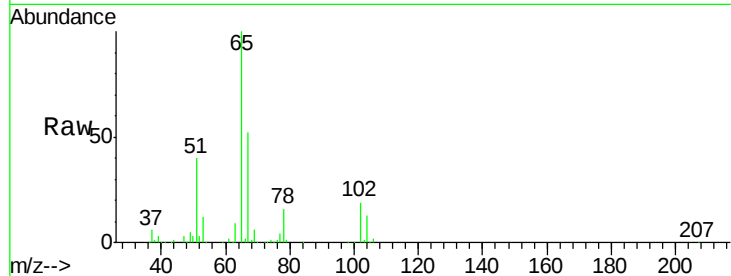
#33
 1,2-Dichloroethane-d4
 Concen: 53.499 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	126690		
67	50.5	0.0	102.8	

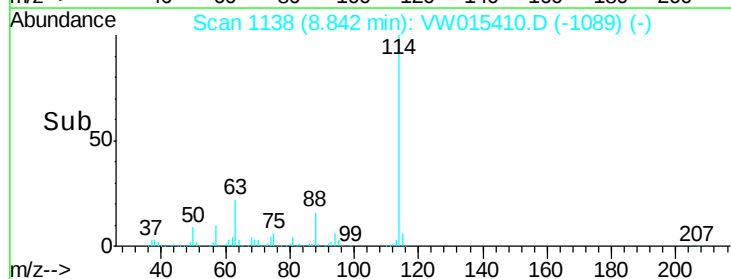
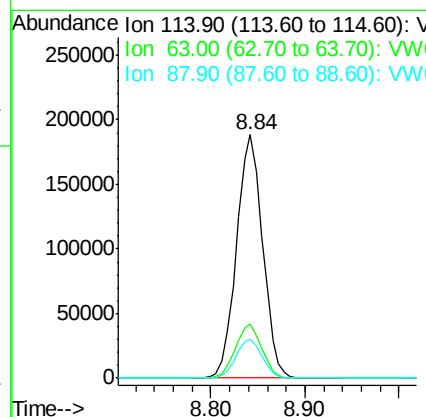
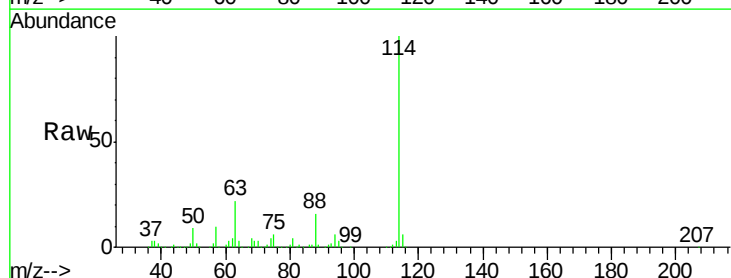
Manual Integrations
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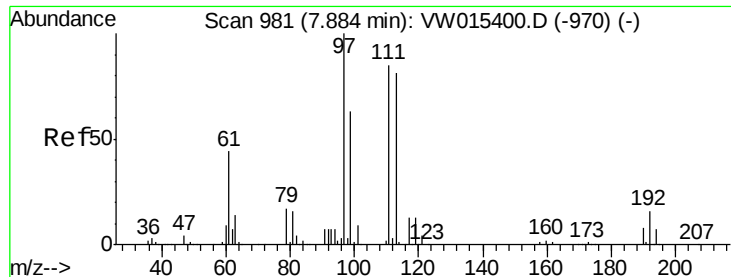
MMDadoda
 5/7/2020 10:34:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	362286		
63	22.0	0.0	43.4	
88	15.9	0.0	31.8	





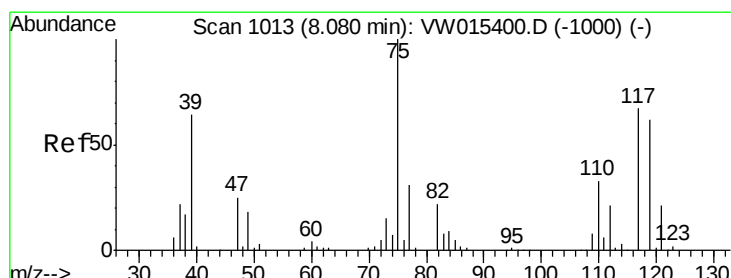
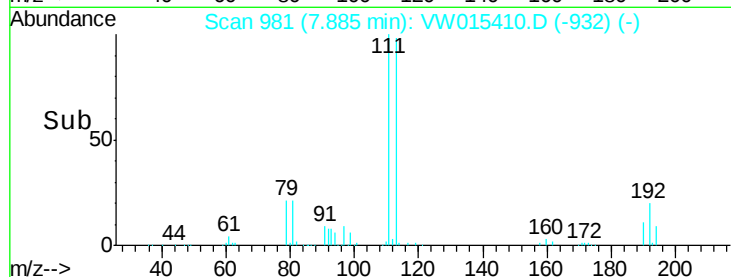
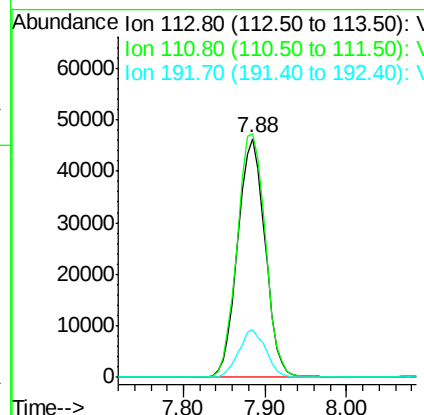
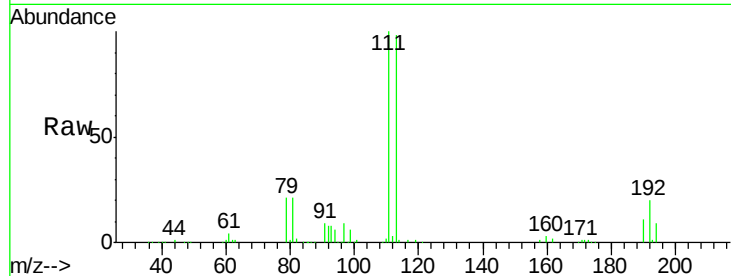
#35
 Dibromofluoromethane
 Concen: 51.694 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107491		
111	105.2	82.9	124.3	
192	19.6	15.4	23.0	

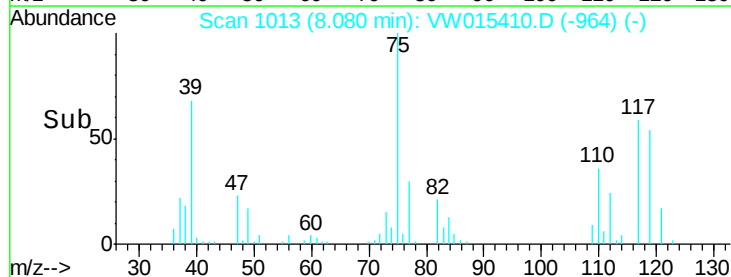
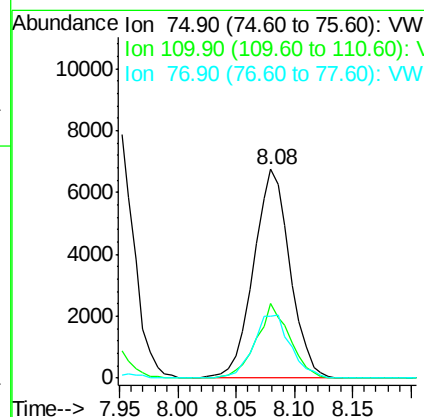
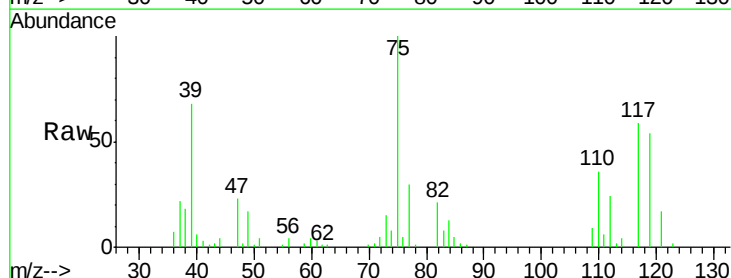
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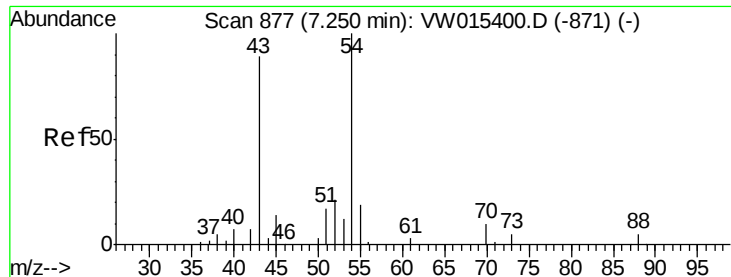
MMDadoda
 5/7/2020 10:34:57 AM



#36
 1,1-Dichloropropene
 Concen: 4.129 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14698		
110	32.5	16.6	49.8	
77	31.2	24.5	36.7	





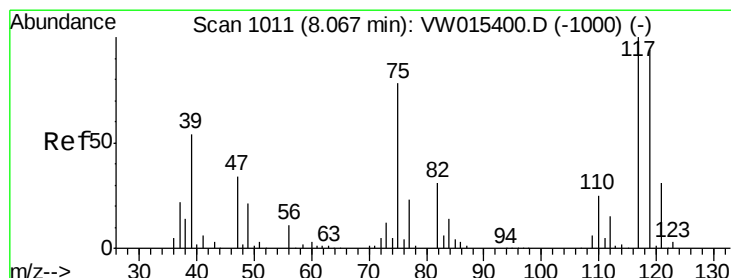
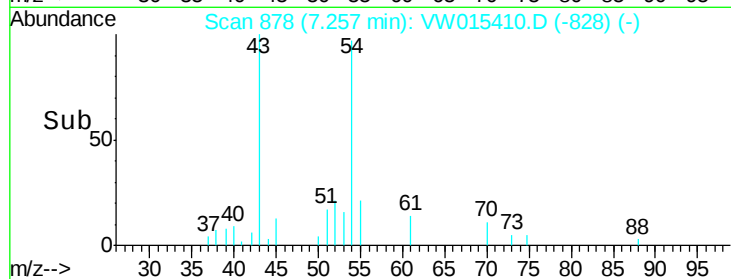
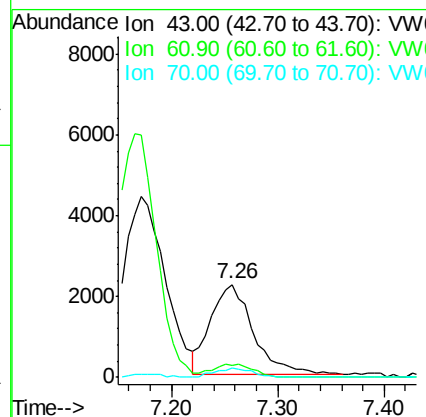
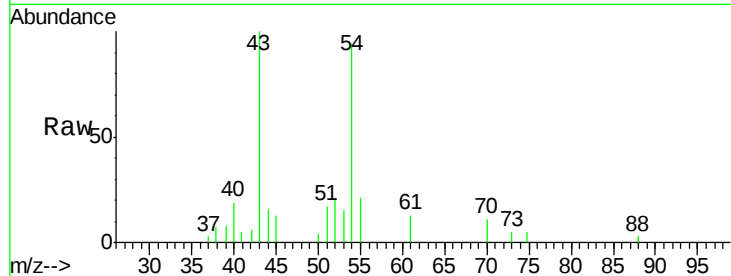
#37
Ethyl Acetate
Concen: 4.478 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.2	15.2
70	8.9	8.0	12.0

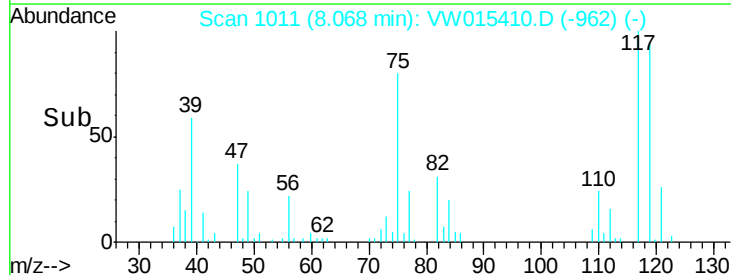
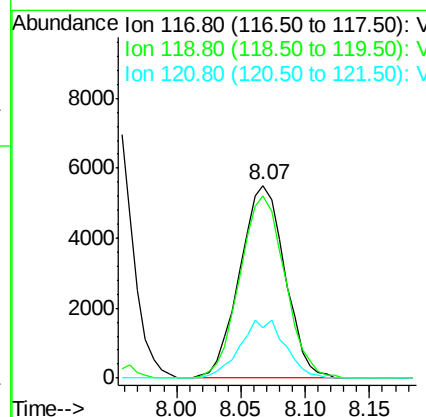
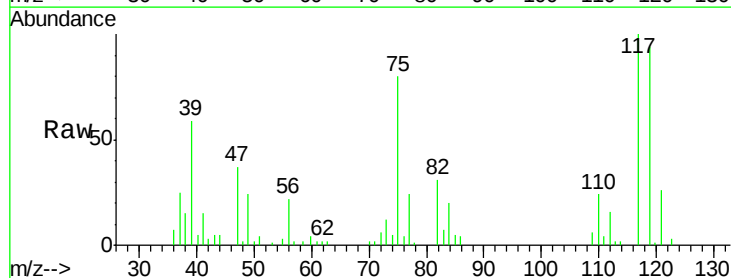
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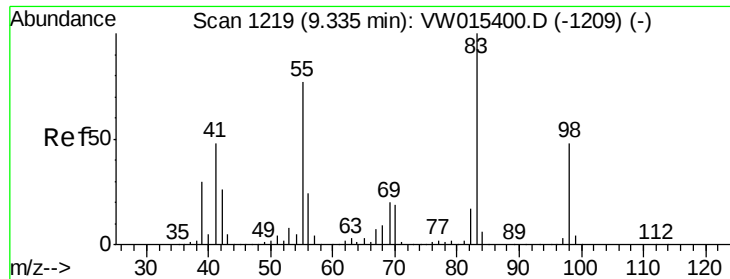
MMDadoda
5/7/2020 10:34:57 AM



#38
Carbon Tetrachloride
Concen: 4.027 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.4	113.0
121	26.0	24.8	37.2





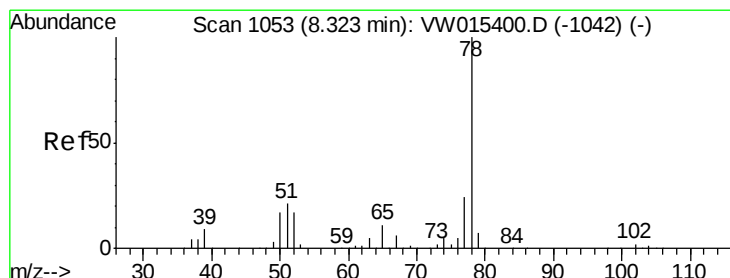
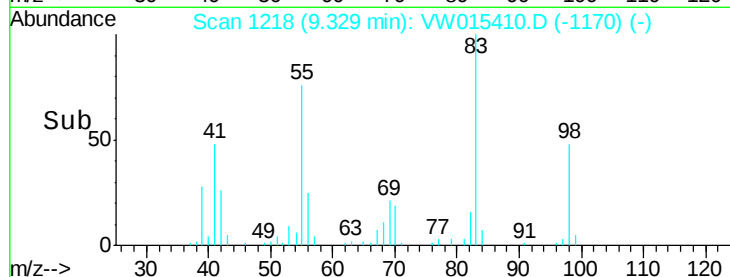
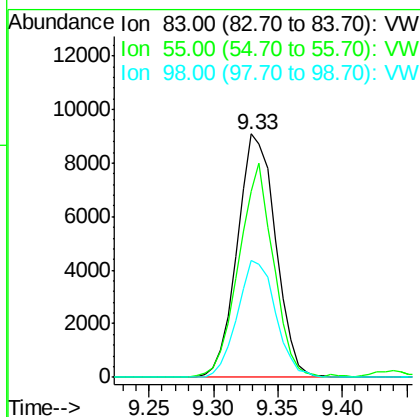
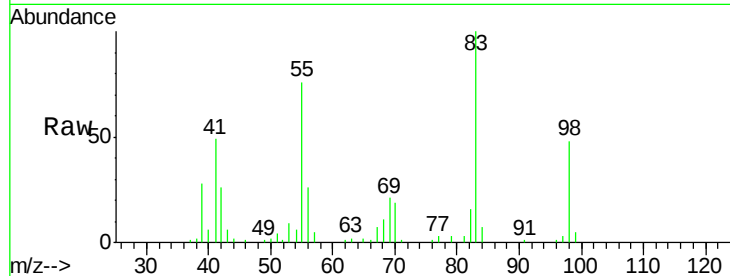
#39
Methvlcvclohexane
Concen: 4.155 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	83	Resp	18721
Ion Ratio	100	Lower	Upper
83	100		
55	76.5	61.9	92.9
98	47.8	38.2	57.2

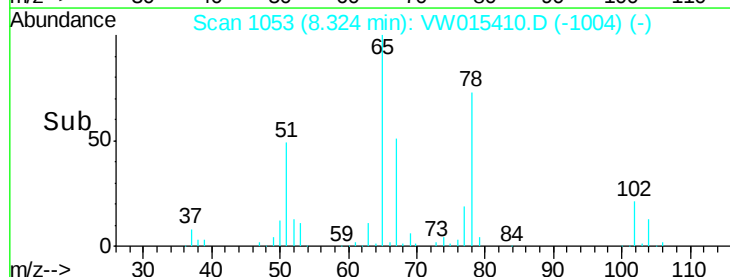
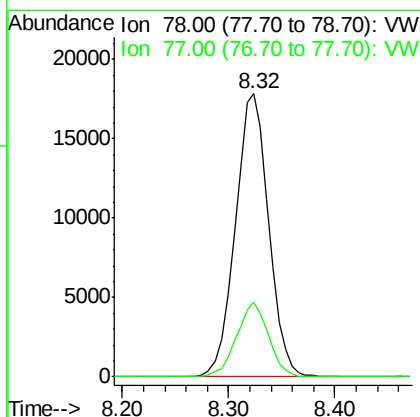
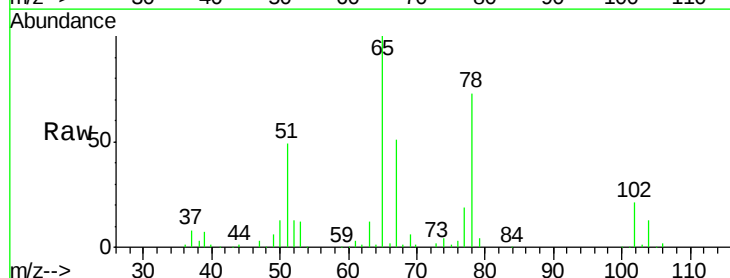
Manual Integrations
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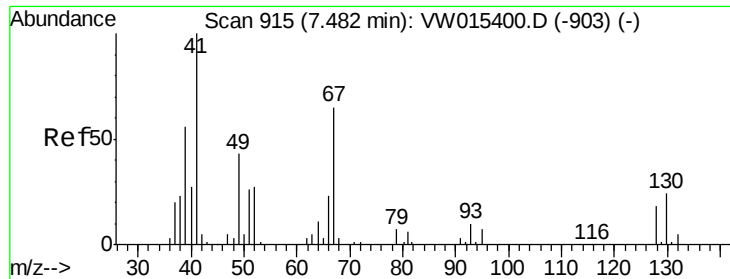
MMDadoda
5/7/2020 10:34:57 AM



#40
Benzene
Concen: 4.021 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Tgt Ion	78	Resp	39036
Ion Ratio	100	Lower	Upper
78	100		
77	26.5	19.0	28.4





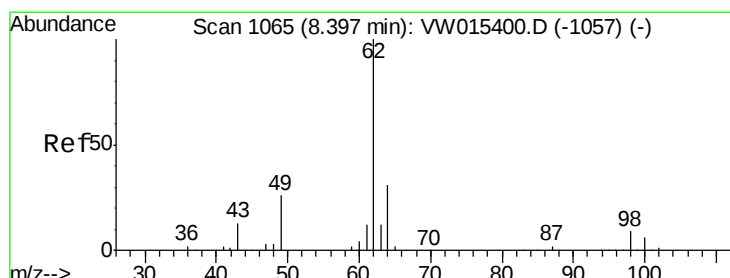
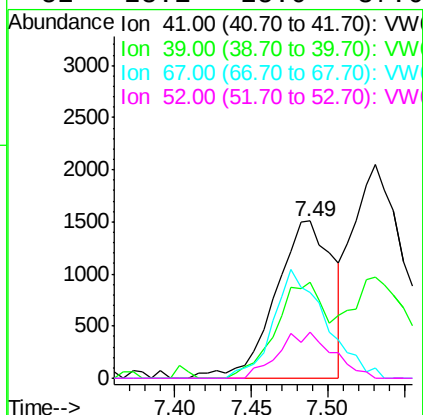
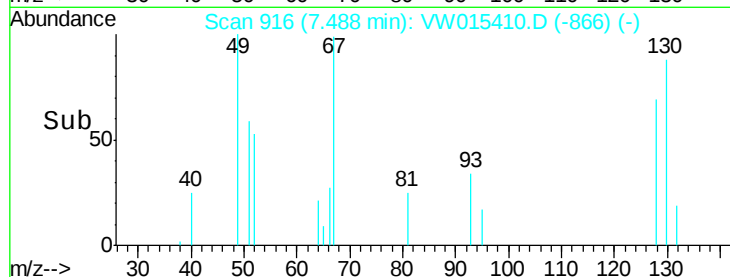
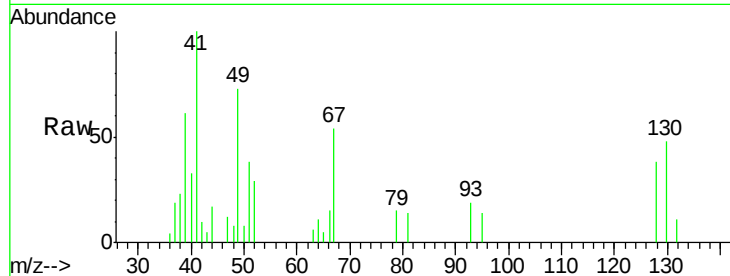
#41
Methacrylonitrile
Concen: 4.506 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	41	Resp	3932
Ion	Ratio	Lower	Upper
41	100		
39	51.5	46.2	69.4
67	63.1	56.2	84.2
52	28.1	25.0	37.6

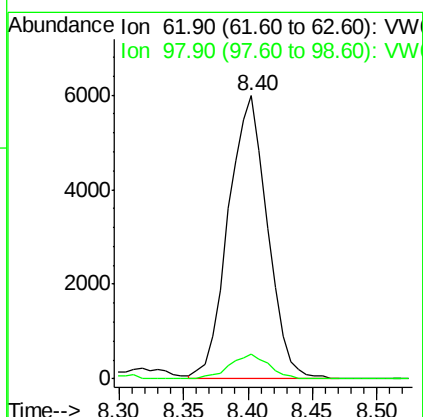
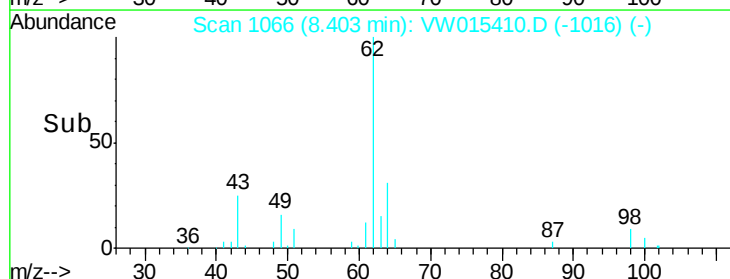
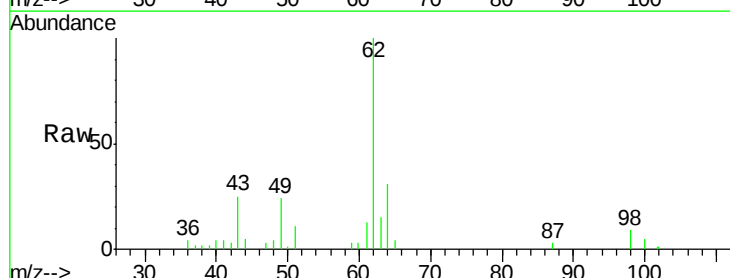
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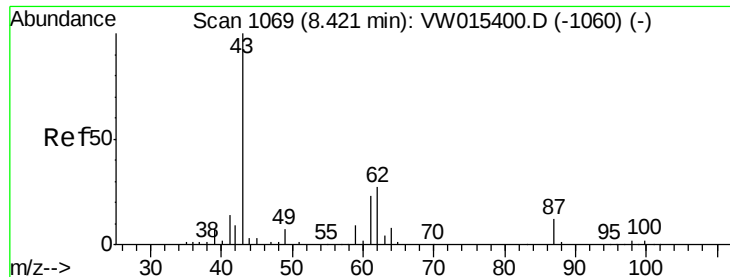
MMDadoda
5/7/2020 10:34:57 AM



#42
1,2-Dichloroethane
Concen: 4.279 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Tgt Ion	62	Resp	12653
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6





#43

Isopropyl Acetate

Concen: 4.119 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

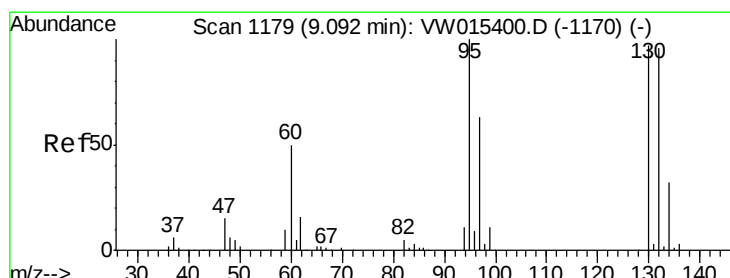
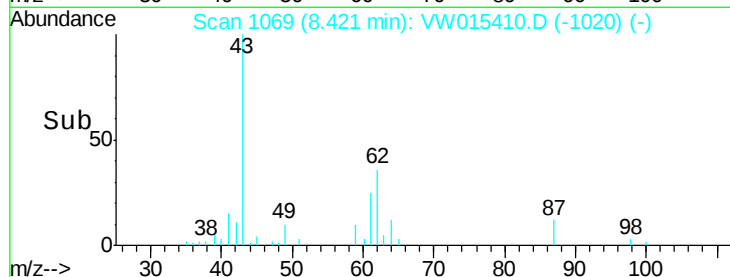
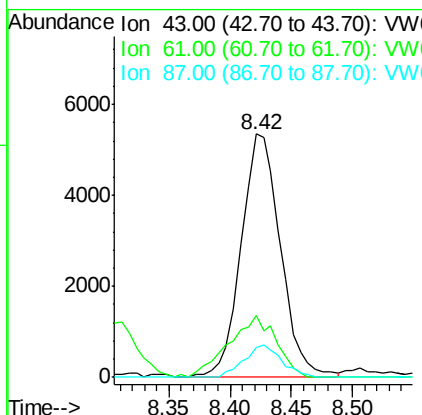
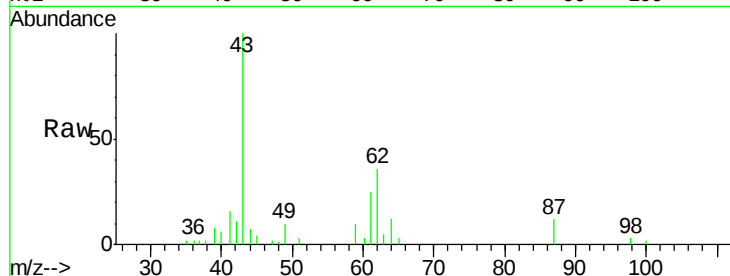
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	43	Resp:	11965
Ion	Ratio	Lower	Upper
43	100		
61	30.6	24.3	36.5
87	12.7	10.1	15.1

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#44

Trichloroethene

Concen: 4.087 ug/l

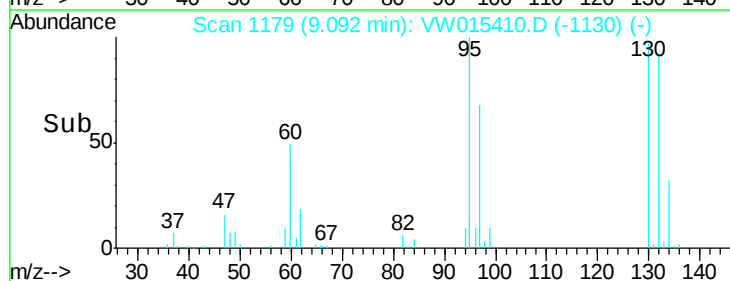
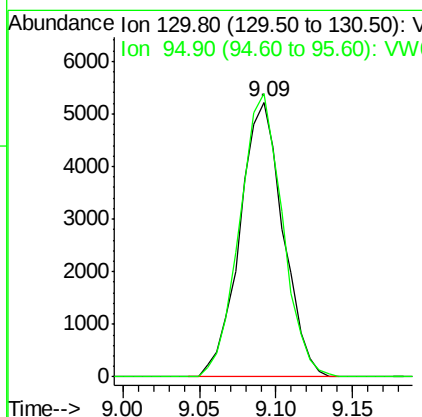
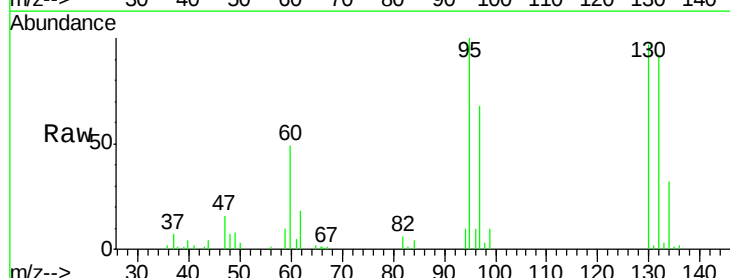
RT: 9.09 min Scan# 1179

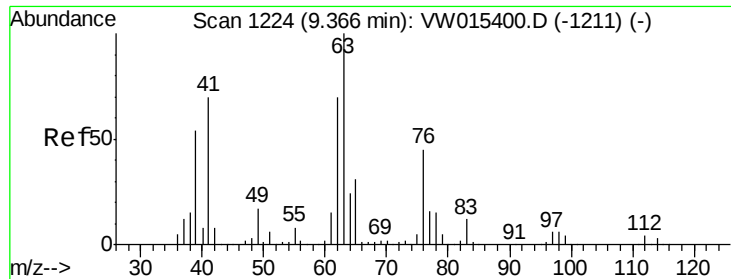
Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Tgt Ion:	130	Resp:	10283
Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	205.8





#45

1,2-Dichloropropane

Concen: 4.132 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 63 Resp: 9908

Ion Ratio Lower Upper

63 100

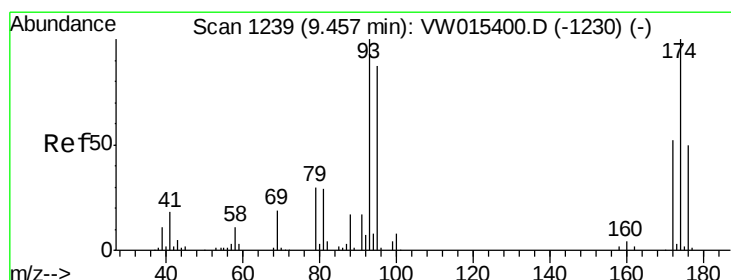
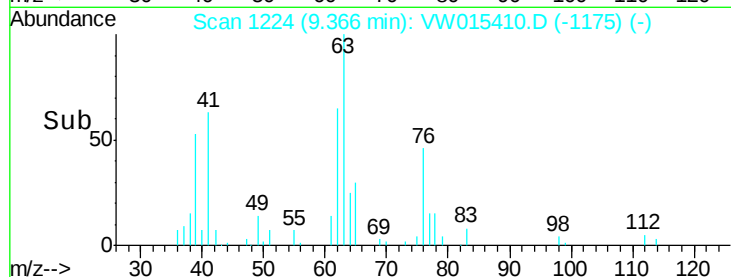
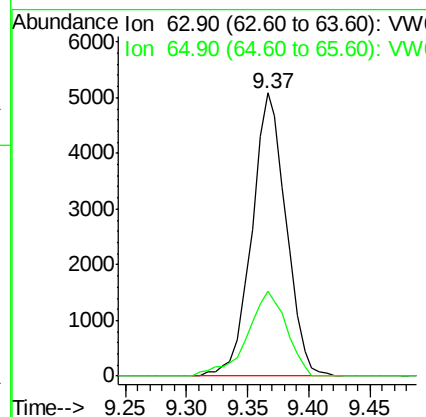
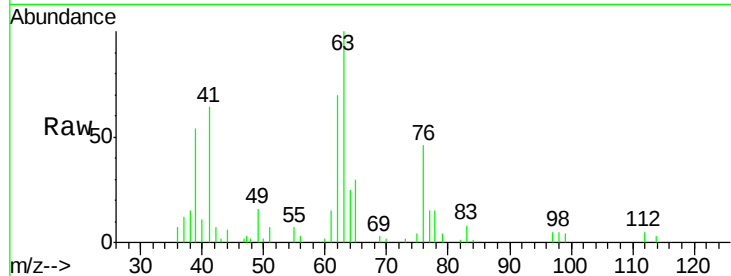
65 29.8 25.0 37.6

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5/7/2020 10:34:57 AM



#46

Dibromomethane

Concen: 4.073 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

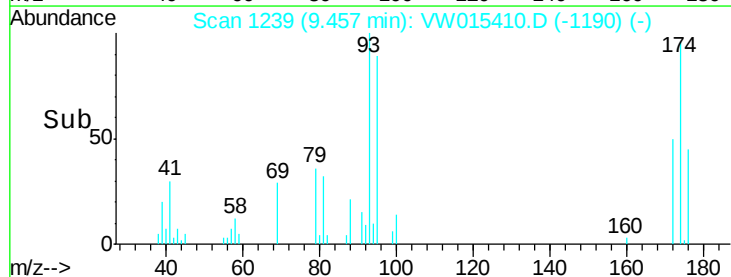
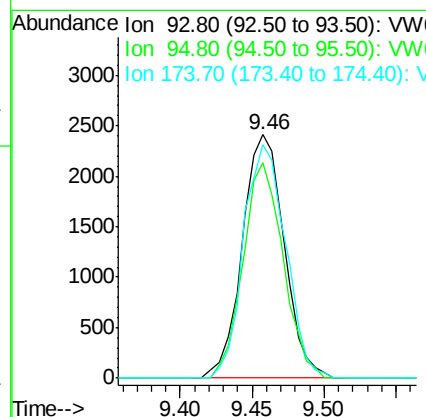
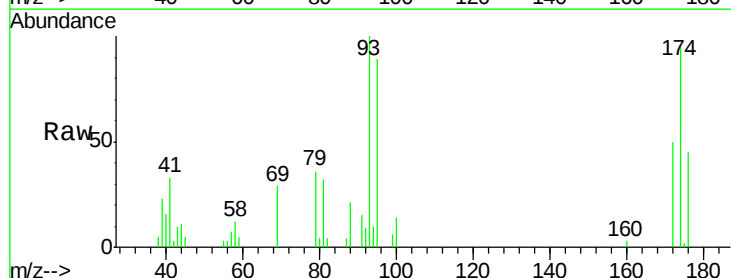
Tgt Ion: 93 Resp: 4858

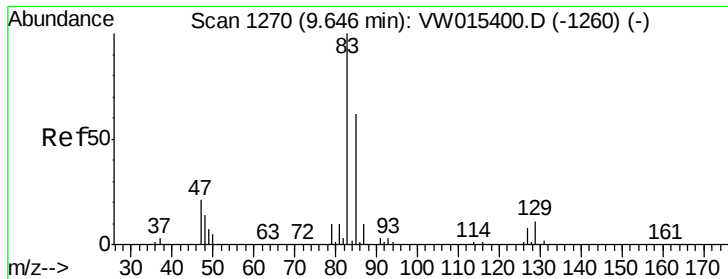
Ion Ratio Lower Upper

93 100

95 84.7 67.0 100.4

174 96.0 78.4 117.6





#47

Bromodichloromethane

Concen: 3.948 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

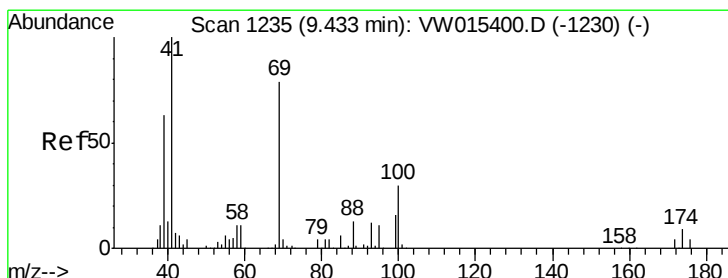
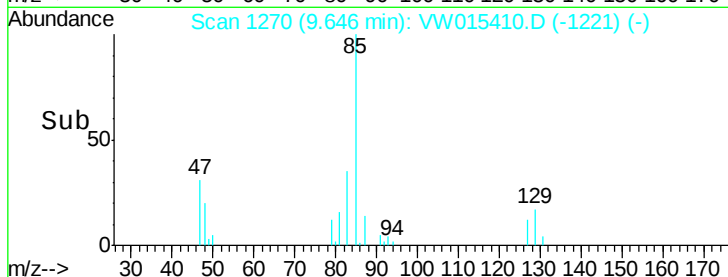
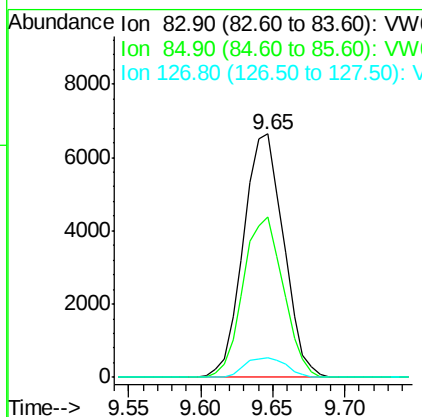
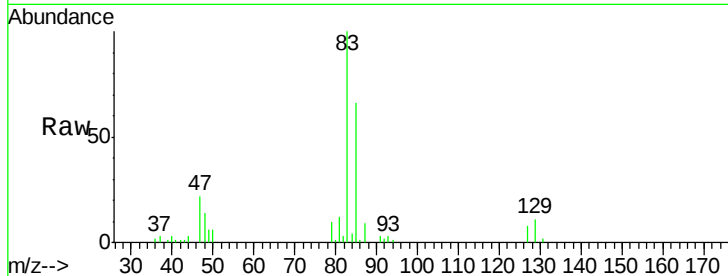
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	83	Resp:	12835
Ion Ratio	Lower	Upper	
83	100		
85	65.9	49.4	74.0
127	8.1	6.4	9.6

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#48

Methyl methacrylate

Concen: 4.134 ug/l

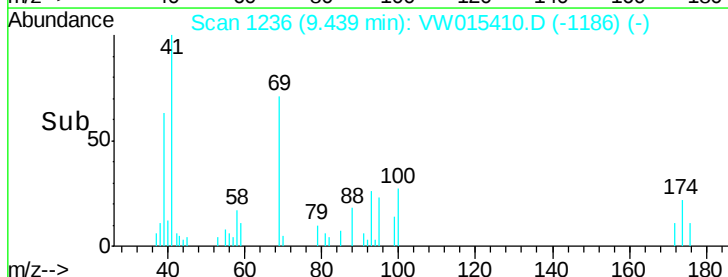
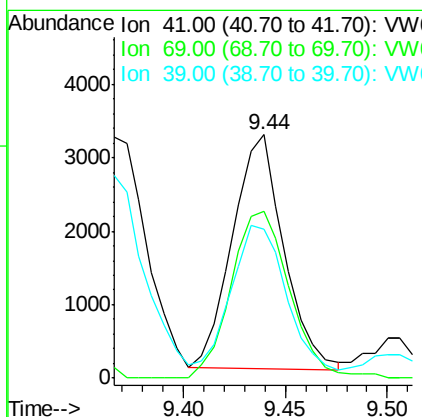
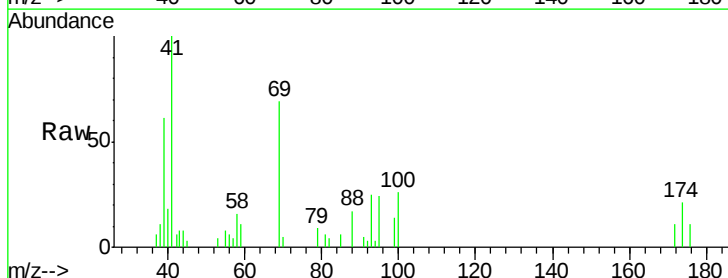
RT: 9.44 min Scan# 1236

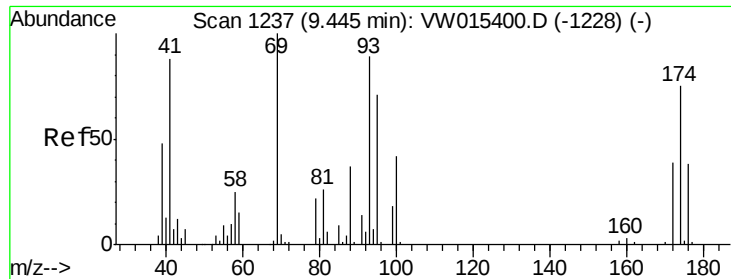
Delta R.T. 0.01 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Tgt Ion:	41	Resp:	5547
Ion Ratio	Lower	Upper	
41	100		
69	81.7	66.2	99.4
39	73.8	51.1	76.7





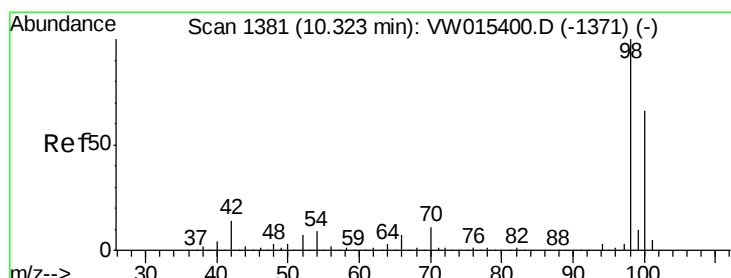
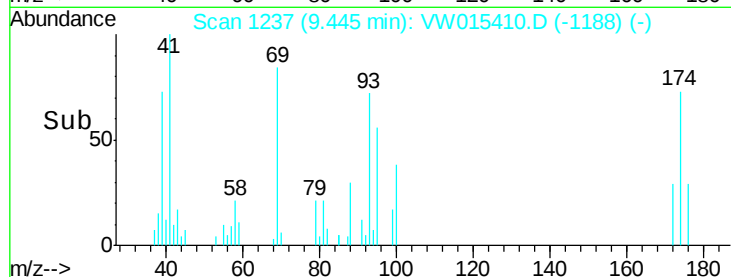
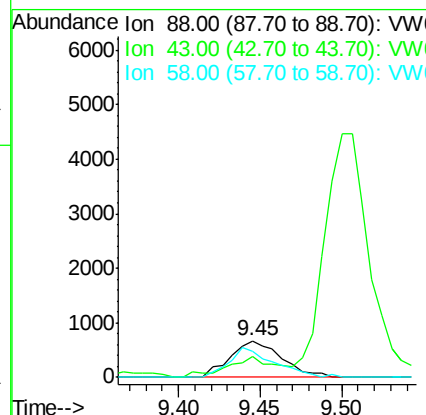
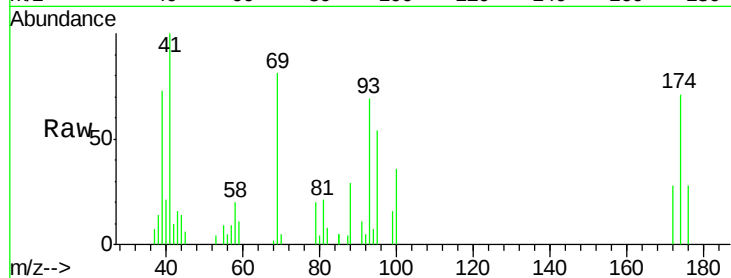
#49
 1,4-Dioxane
 Concen: 97.266 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	55.3	30.6	45.8#
58	71.4	56.3	84.5

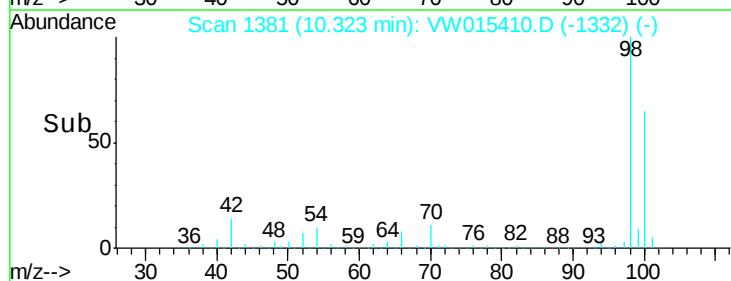
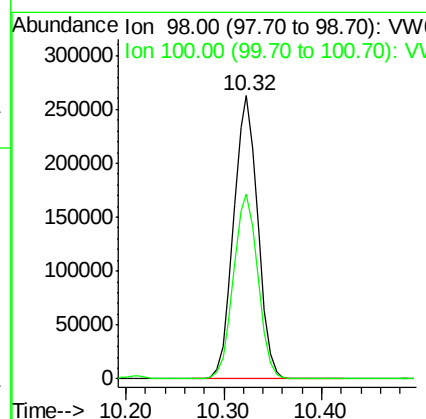
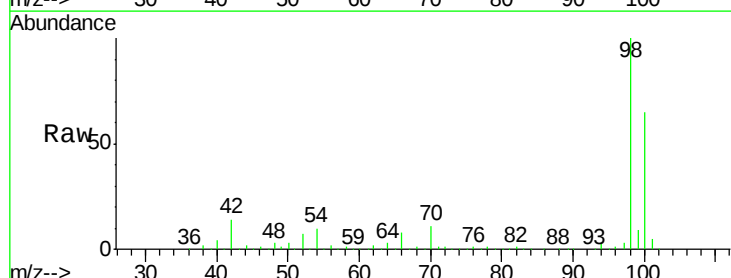
Manual Integrations
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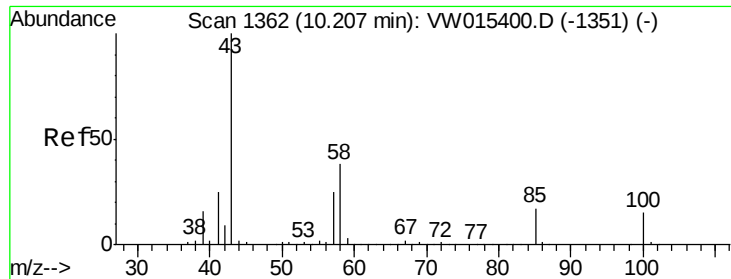
MMDadoda
 5/7/2020 10:34:57 AM



#50
 Toluene-d8
 Concen: 52.228 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 21.590 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 43 Resp: 29389

Ion Ratio Lower Upper

43 100

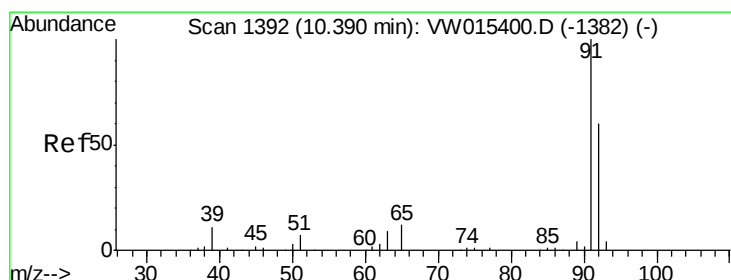
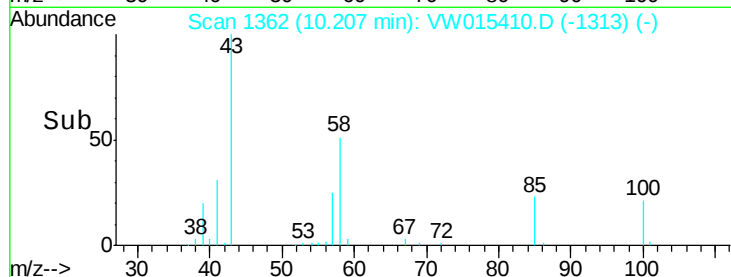
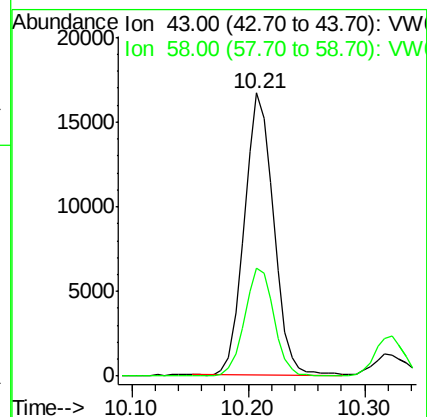
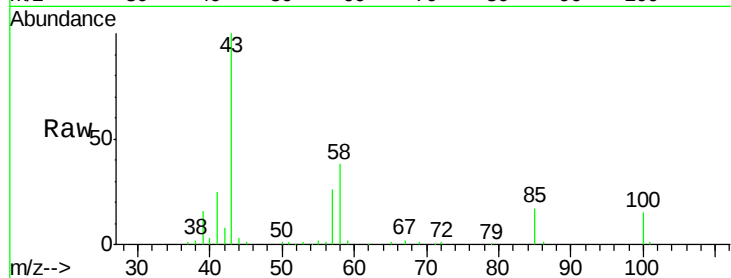
58 38.3 30.8 46.2

Manual Integrations

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MMDadoda

5/7/2020 10:34:57 AM



#52

Toluene

Concen: 4.013 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015410.D

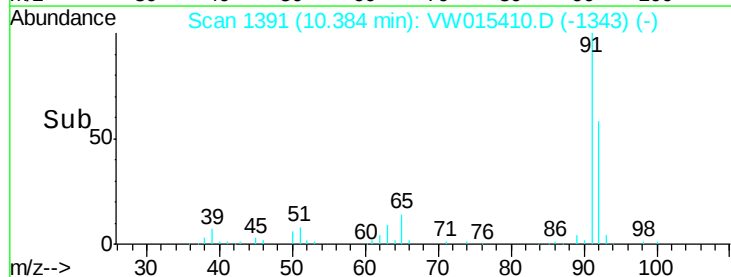
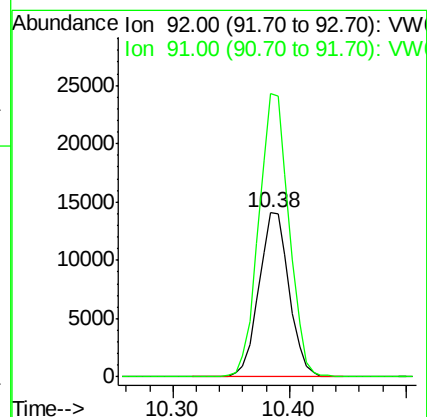
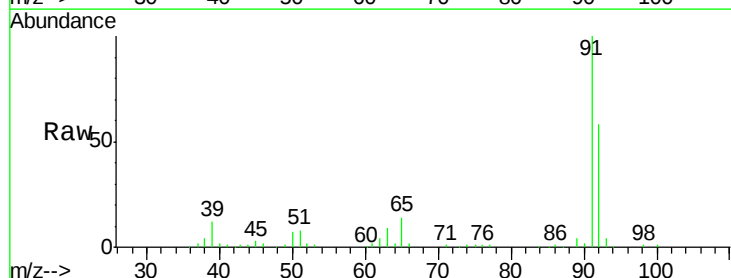
Acq: 06 May 2020 12:47

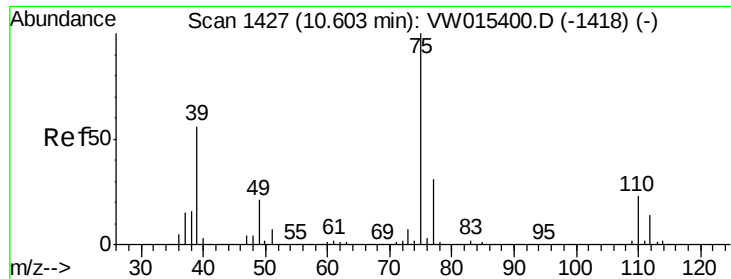
Tgt Ion: 92 Resp: 25313

Ion Ratio Lower Upper

92 100

91 172.7 135.9 203.9





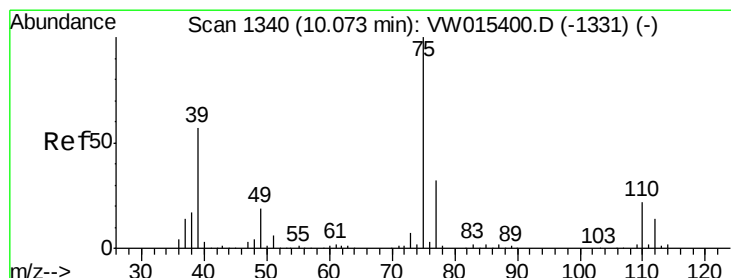
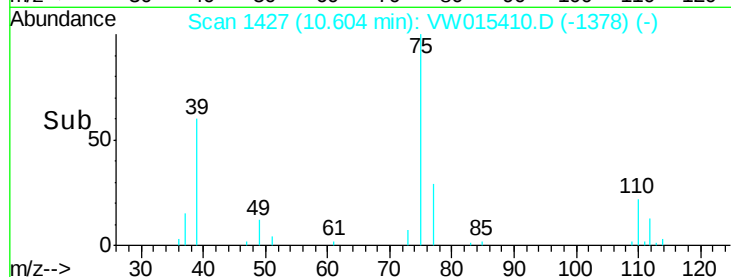
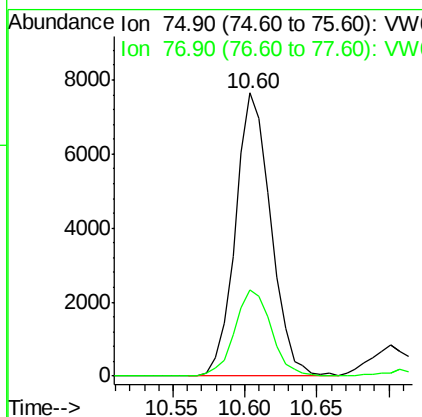
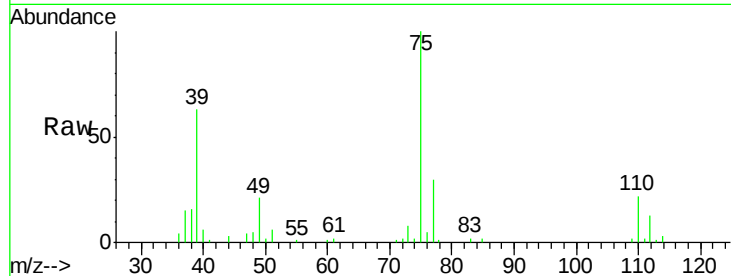
#53
t-1,3-Dichloropropene
Concen: 3.931 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 75 Resp: 13043
Ion Ratio Lower Upper
75 100
77 30.3 24.9 37.3

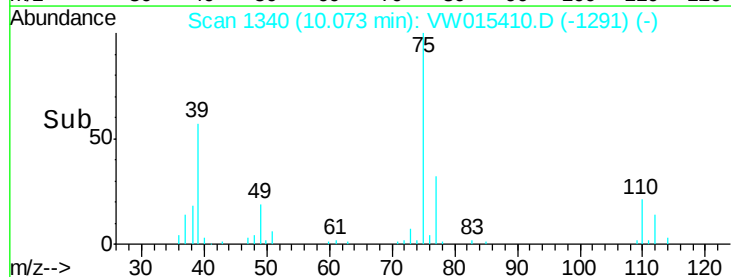
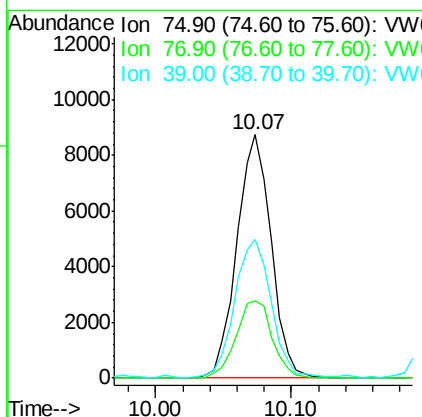
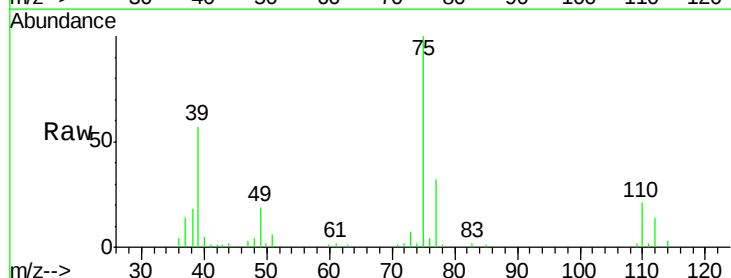
Manual Integrations
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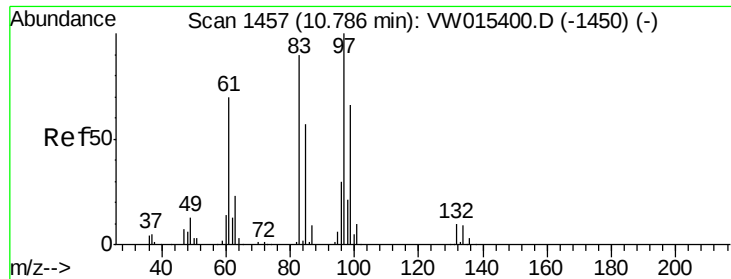
MMDadoda
5/7/2020 10:34:57 AM



#54
cis-1,3-Dichloropropene
Concen: 3.938 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Tgt Ion: 75 Resp: 15383
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4
39 56.9 45.6 68.4





#55

1,1,2-Trichloroethane

Concen: 4.135 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

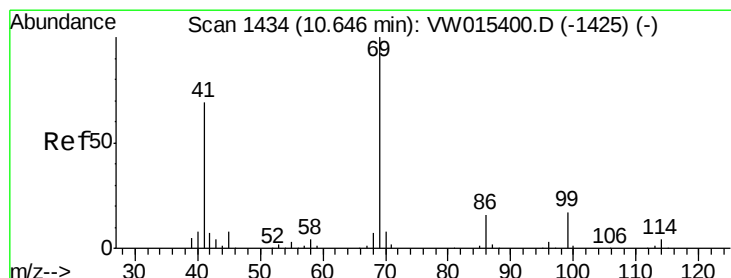
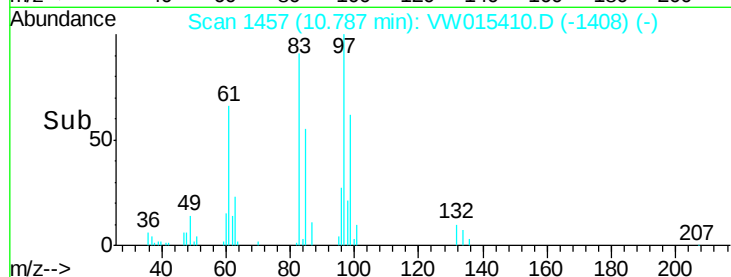
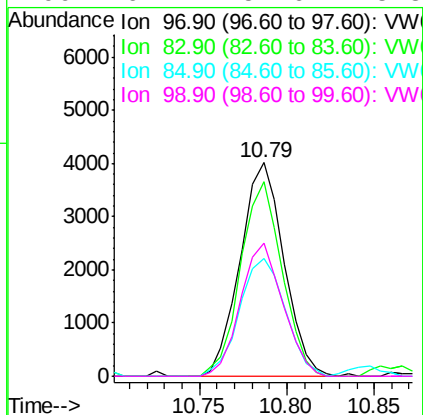
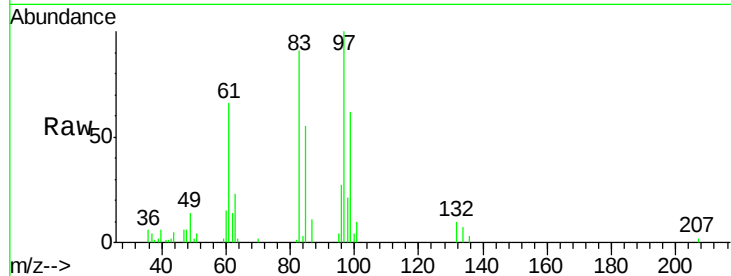
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	97	Resp:	6974
Ion	Ratio	Lower	Upper
97	100		
83	91.3	72.2	108.4
85	55.3	45.2	67.8
99	62.2	52.6	78.8

Manual Integrations
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5/7/2020 10:34:57 AM



#56

Ethyl methacrylate

Concen: 4.032 ug/l

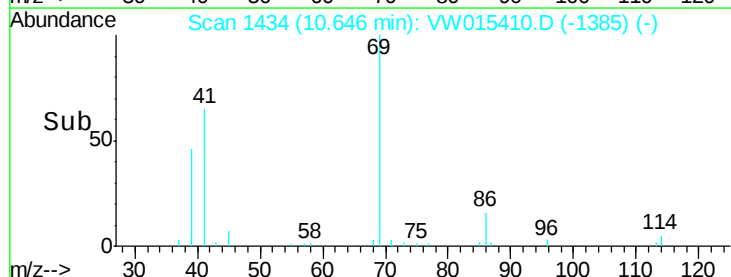
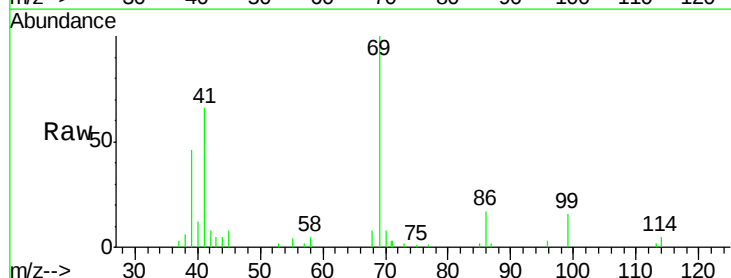
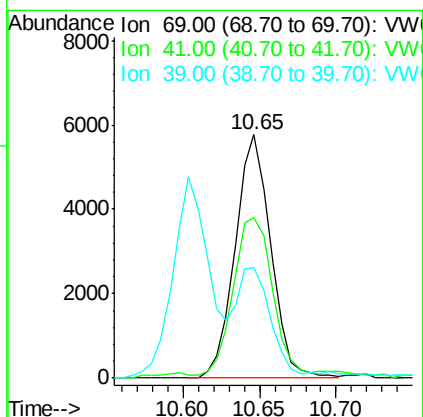
RT: 10.65 min Scan# 1434

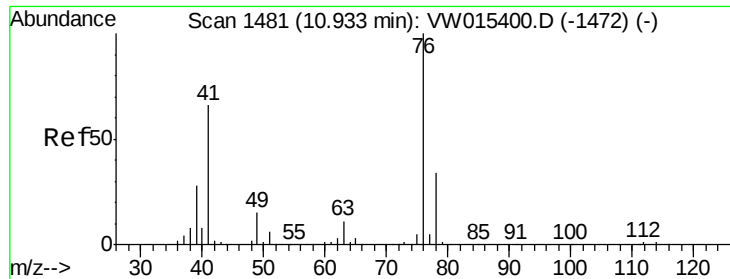
Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Tgt Ion:	69	Resp:	9343
Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.3	82.9
39	41.4	31.9	47.9





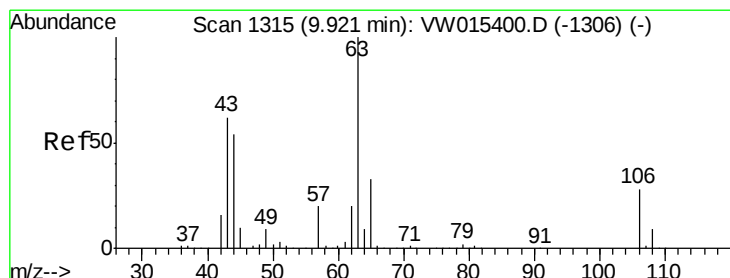
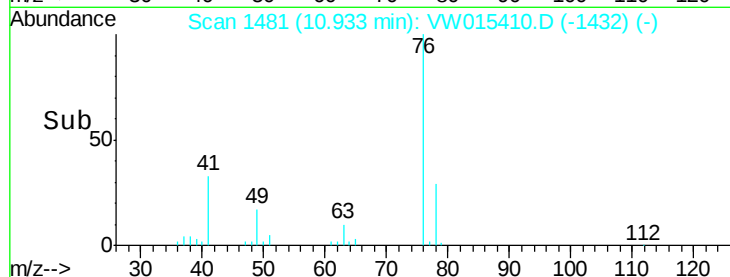
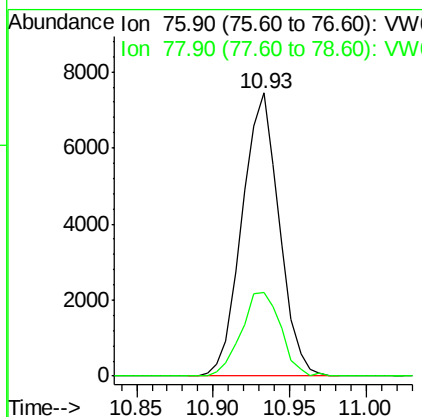
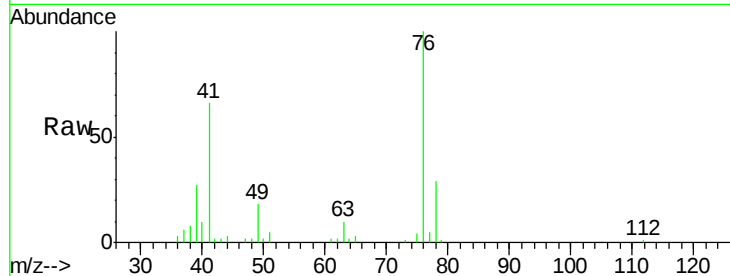
#57
 1,3-Dichloropropane
 Concen: 4.140 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 76 Resp: 12555
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.3 39.5

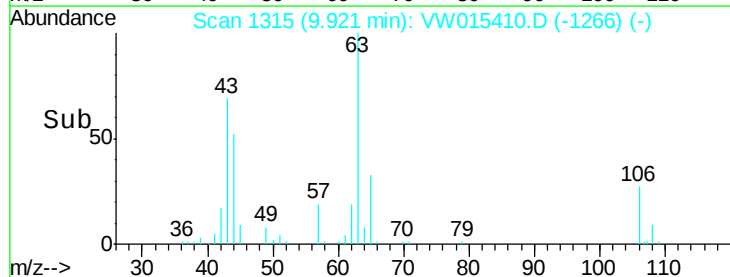
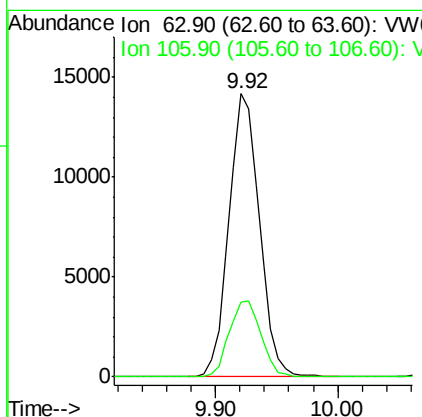
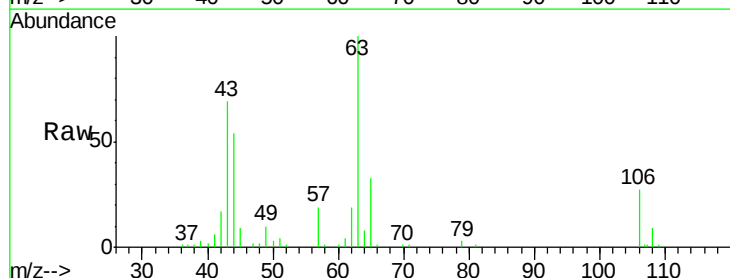
Manual Integrations
 APPROVED

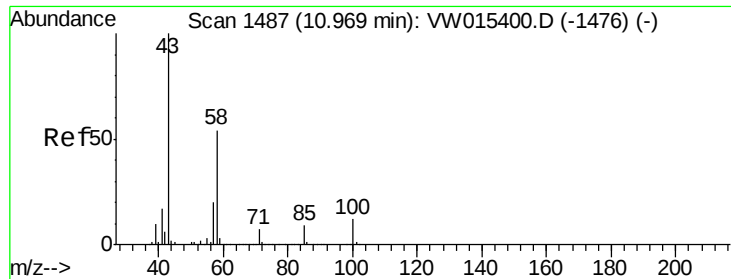
MMDadoda
 5/7/2020 10:34:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.652 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Tgt Ion: 63 Resp: 24411
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.6 33.8





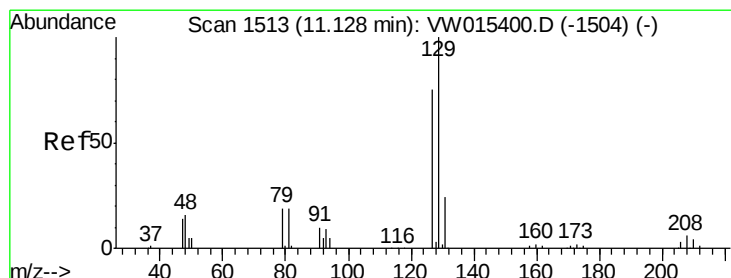
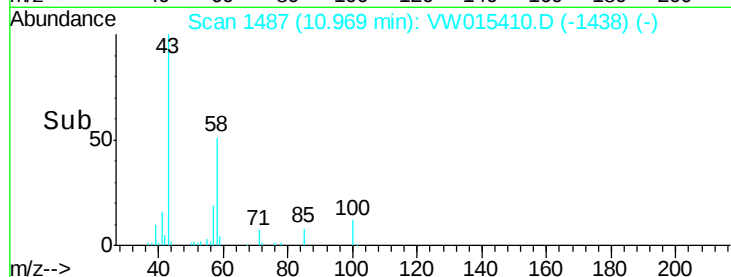
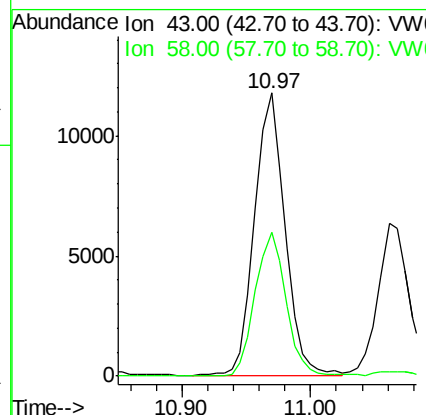
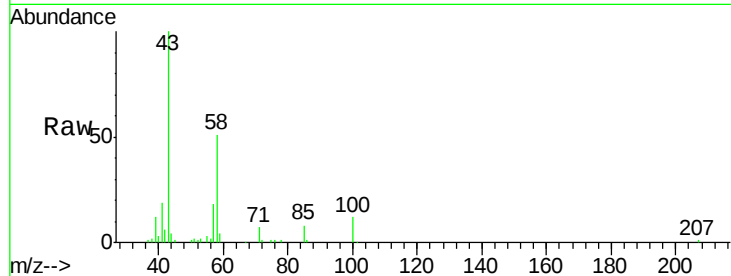
#59
2-Hexanone
Concen: 21.011 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 43 Resp: 19352
Ion Ratio Lower Upper
43 100
58 51.4 26.7 80.0

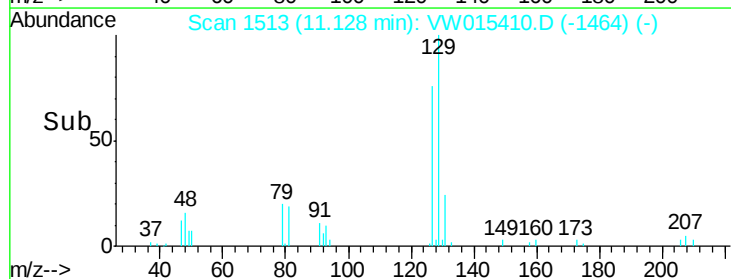
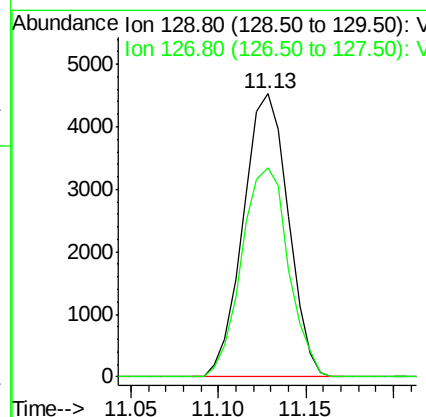
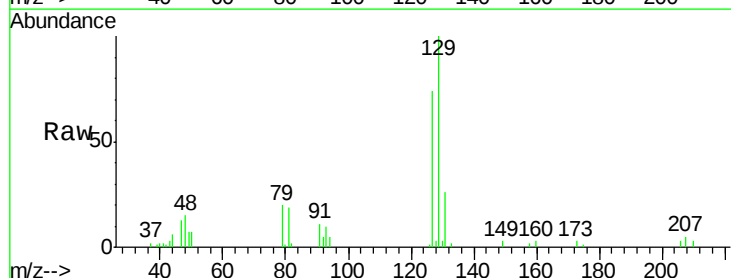
Manual Integrations
APPROVED

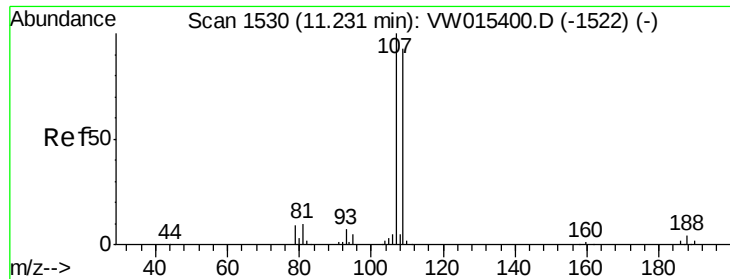
MMDadoda
5/7/2020 10:34:57 AM



#60
Dibromochloromethane
Concen: 3.997 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Tgt Ion: 129 Resp: 8108
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.2





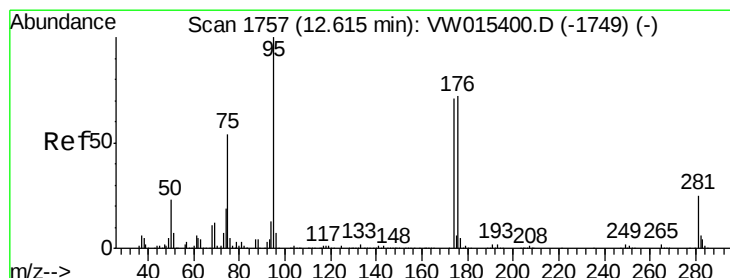
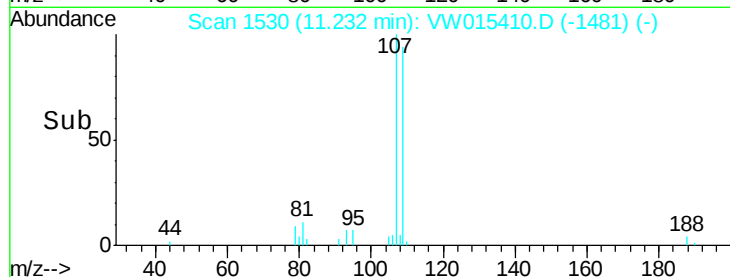
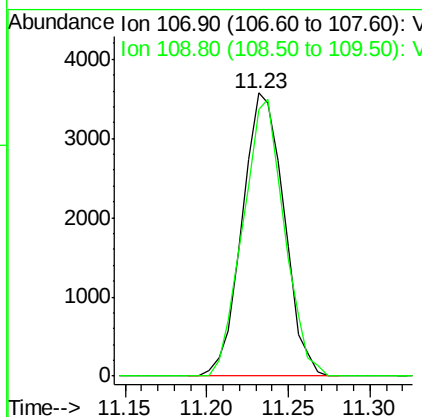
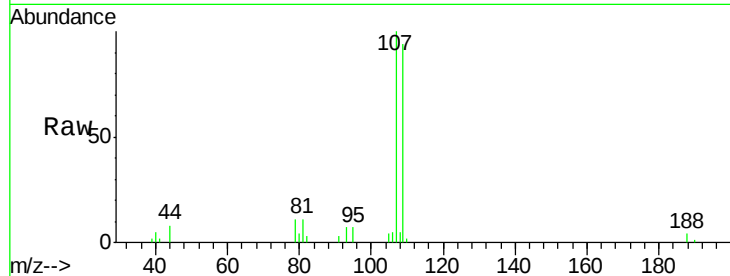
#61
 1,2-Dibromoethane
 Concen: 3.994 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.6	75.0	112.4

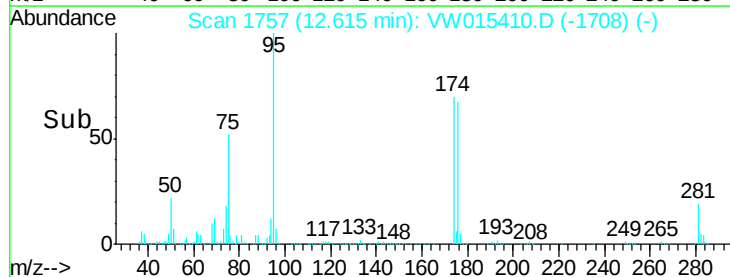
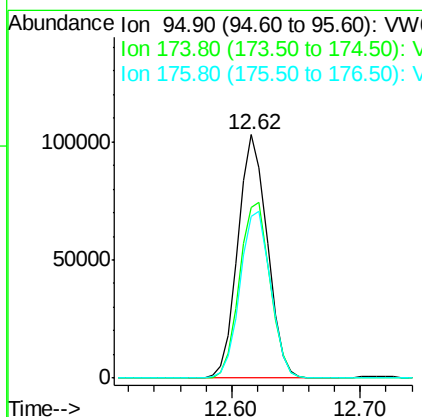
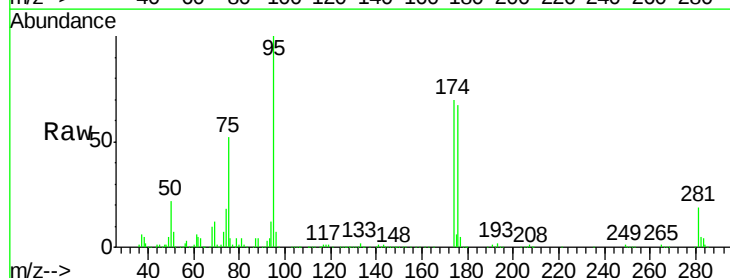
Manual Integrations
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MMDadoda
 5/7/2020 10:34:57 AM



#62
 4-Bromofluorobenzene
 Concen: 51.326 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	147.6
176	70.9	0.0	144.4





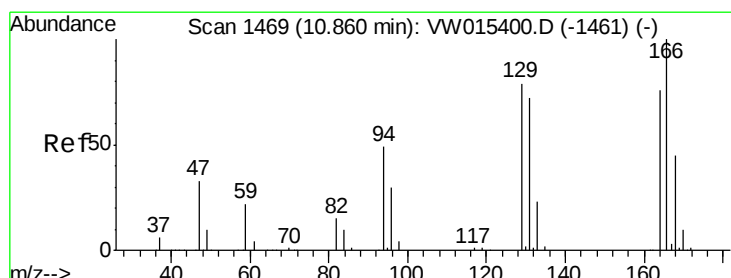
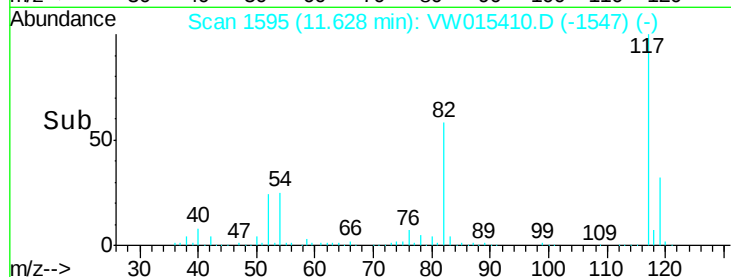
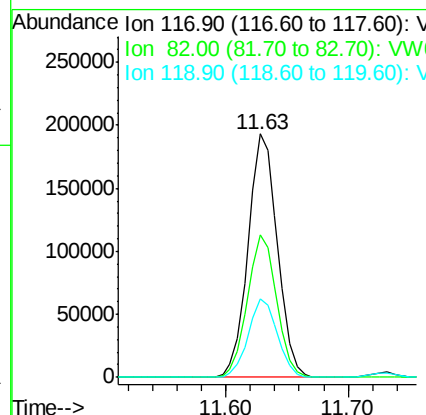
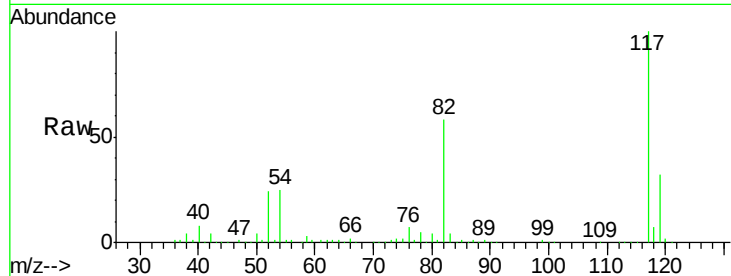
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	321315		
82	58.4	46.4	69.6	
119	32.1	24.6	37.0	

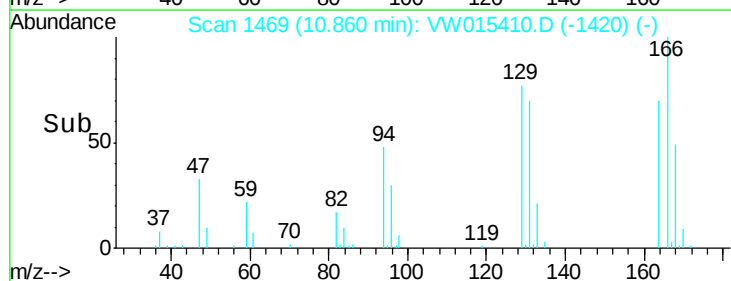
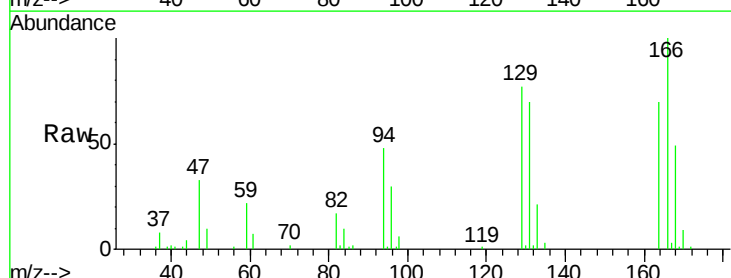
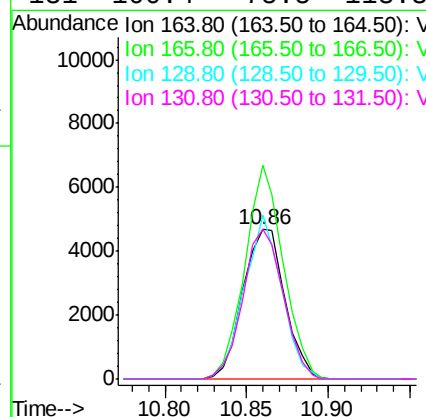
Manual Integrations
APPROVED

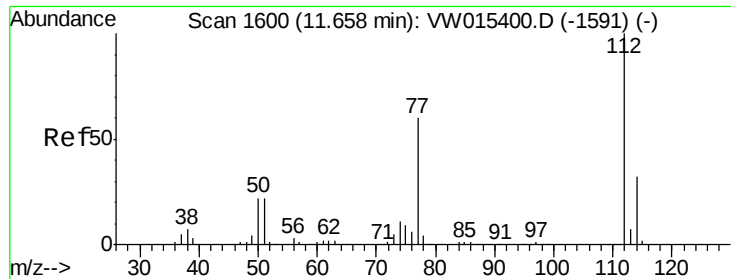
MMDadoda
5/7/2020 10:34:57 AM



#64
Tetrachloroethene
Concen: 4.286 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	8417		
166	143.1	104.9	157.3	
129	109.8	82.7	124.1	
131	100.4	75.5	113.3	





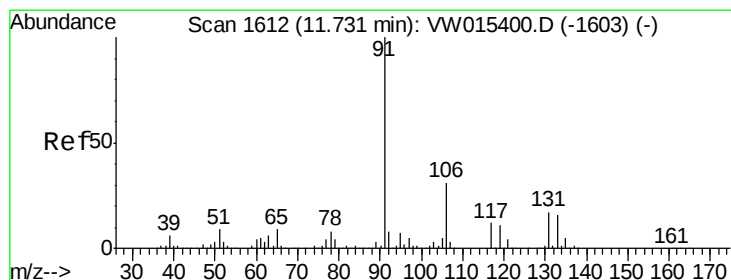
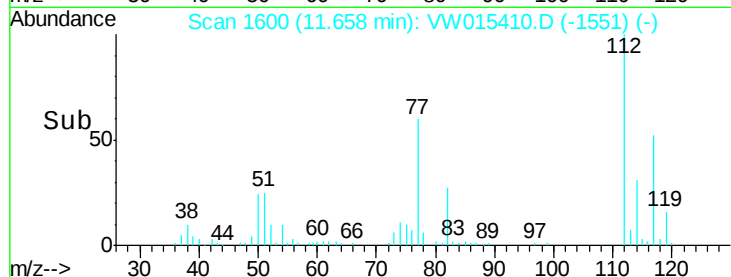
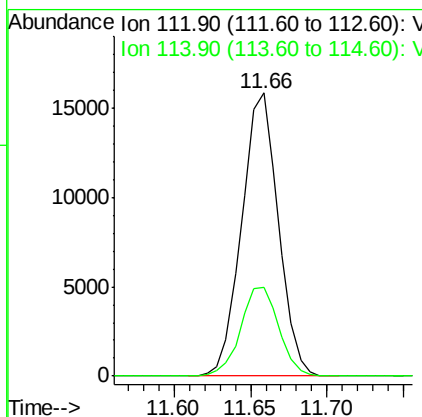
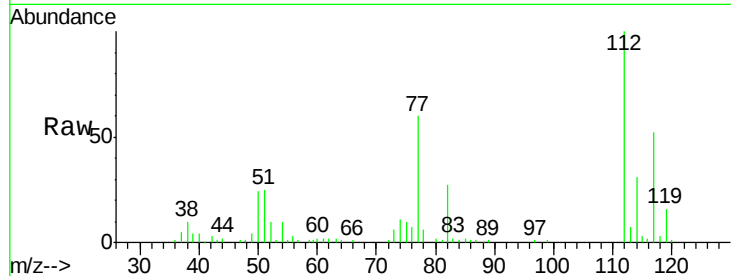
#65
Chlorobenzene
Concen: 4.163 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:112 Resp: 26373
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4

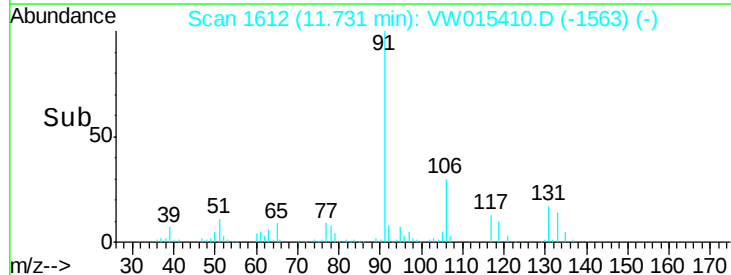
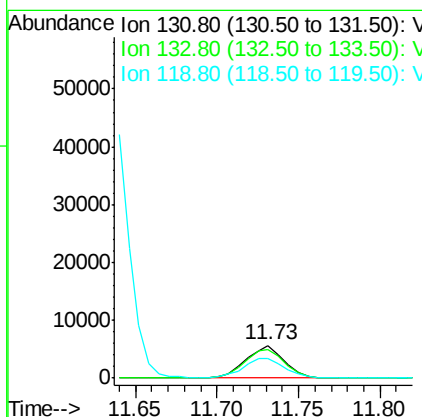
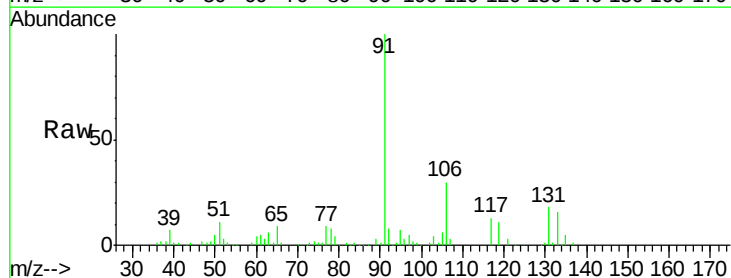
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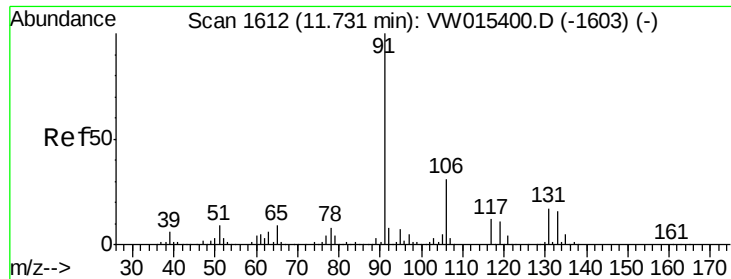
MMDadoda
5/7/2020 10:34:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 3.999 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Tgt Ion:131 Resp: 8982
Ion Ratio Lower Upper
131 100
133 93.8 47.9 143.8
119 67.9 33.0 99.0





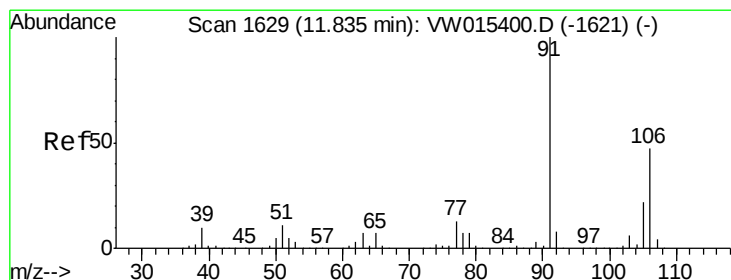
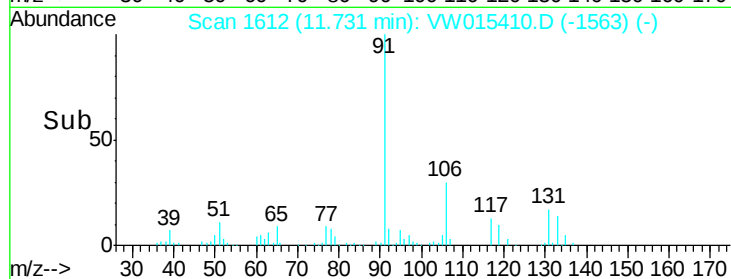
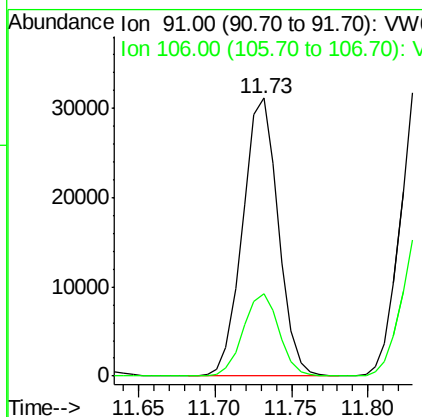
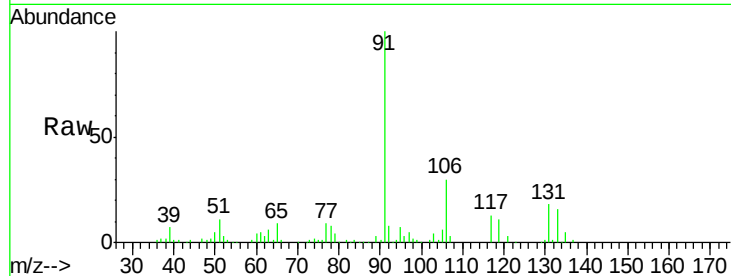
#67
Ethyl Benzene
Concen: 4.152 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 91 Resp: 50345
Ion Ratio Lower Upper
91 100
106 29.8 25.2 37.8

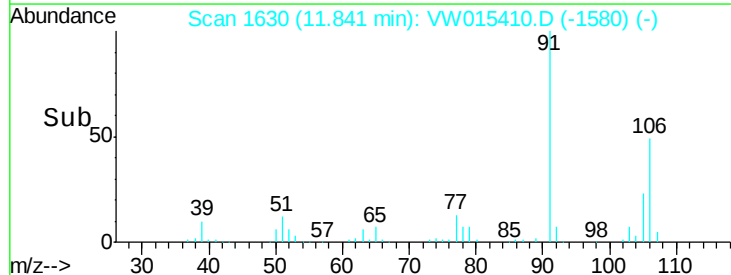
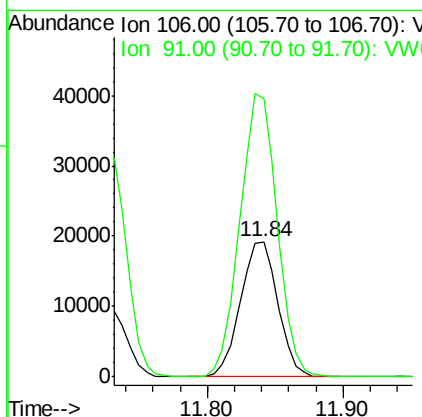
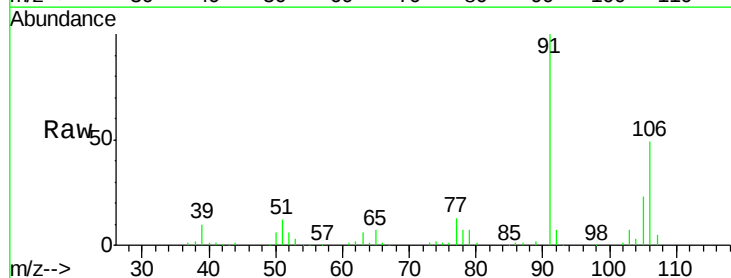
Manual Integrations
APPROVED

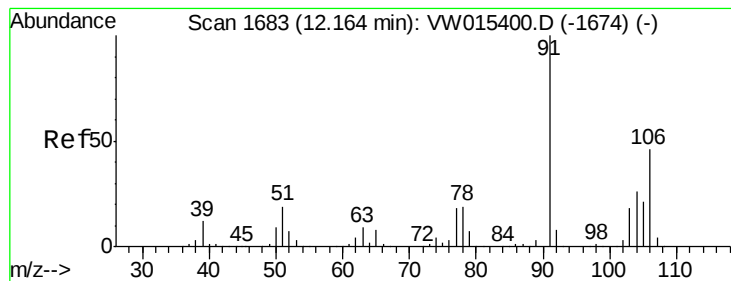
MMDadoda
5/7/2020 10:34:57 AM



#68
m/p-Xylenes
Concen: 8.189 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Tgt Ion: 106 Resp: 36918
Ion Ratio Lower Upper
106 100
91 208.8 165.7 248.5





#69

o-Xylene

Concen: 4.149 ug/l

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

ClientSampled :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:106 Resp: 17579

Ion Ratio Lower Upper

106 100

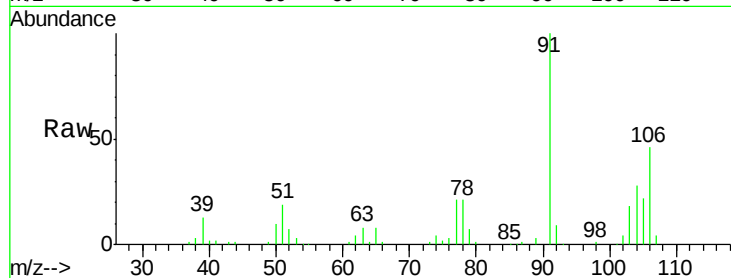
91 217.2 109.0 327.0

Manual Integrations

APPROVED

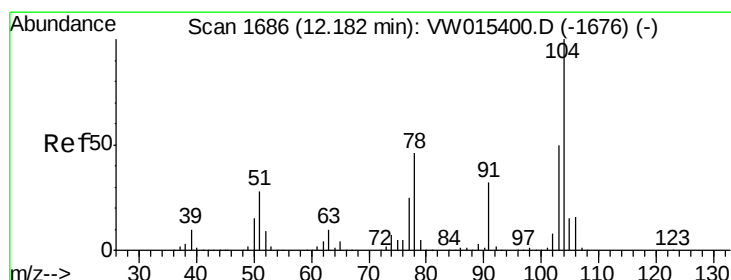
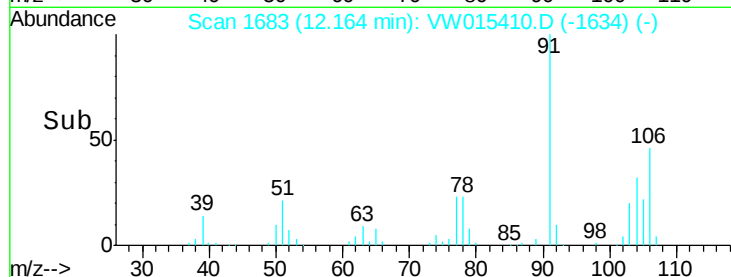
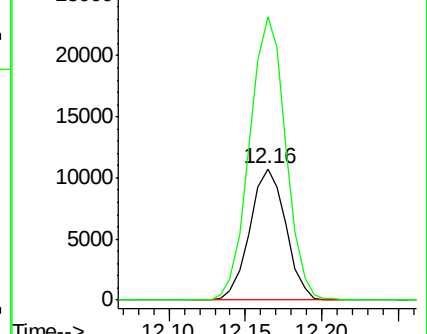
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV



#70

Styrene

Concen: 3.972 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

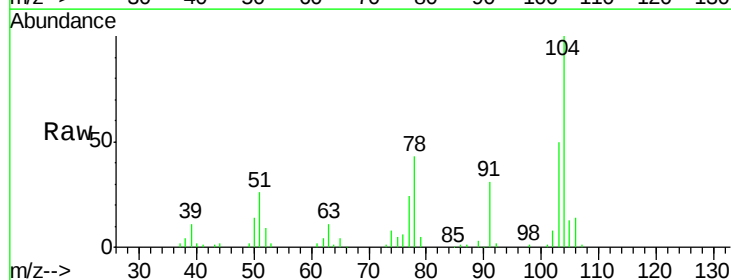
Tgt Ion:104 Resp: 28984

Ion Ratio Lower Upper

104 100

78 53.0 41.8 62.8

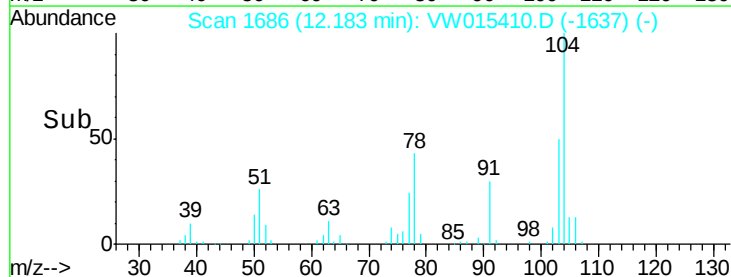
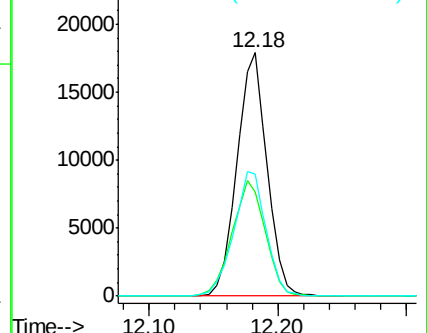
103 55.2 43.6 65.4

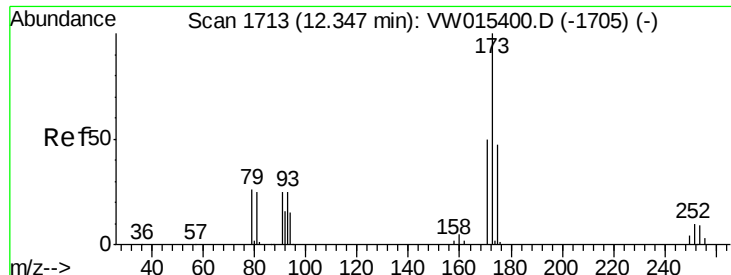


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV

Ion 103.00 (102.70 to 103.70): V





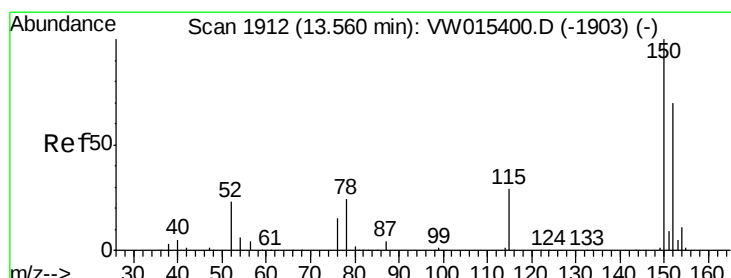
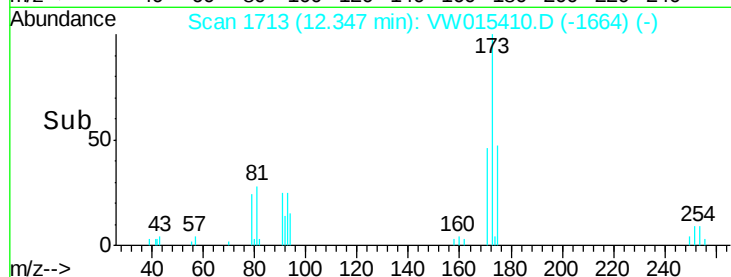
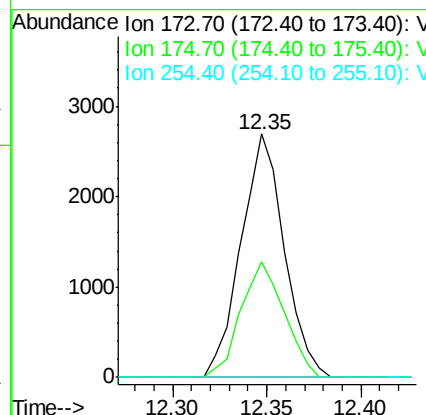
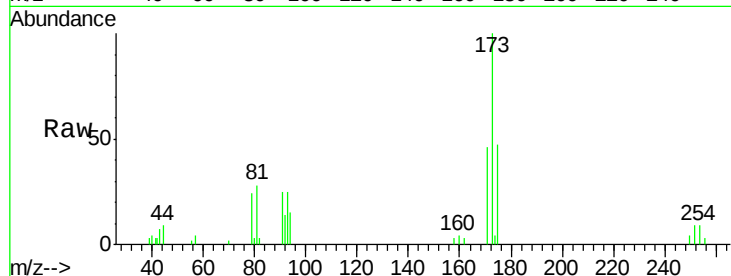
#71
Bromoform
Concen: 3.901 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.8	71.4
254	0.0	0.0	0.0

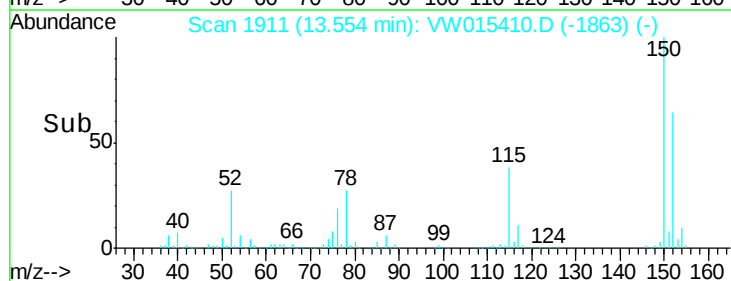
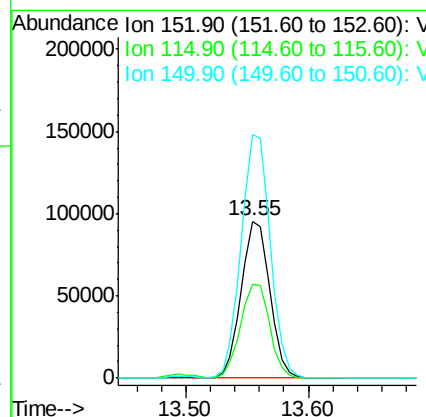
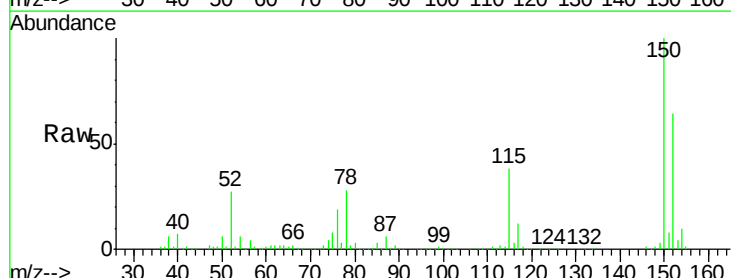
Manual Integrations
APPROVED

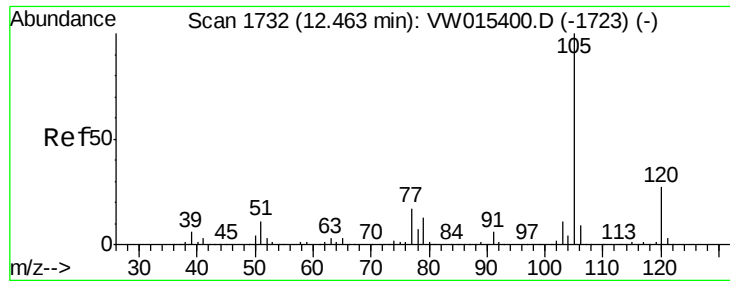
MMDadoda
5/7/2020 10:34:57 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.3	90.8
150	158.1	0.0	344.4





#73

Isopropylbenzene

Concen: 4.201 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 105 Resp: 48485

Ion Ratio Lower Upper

105 100

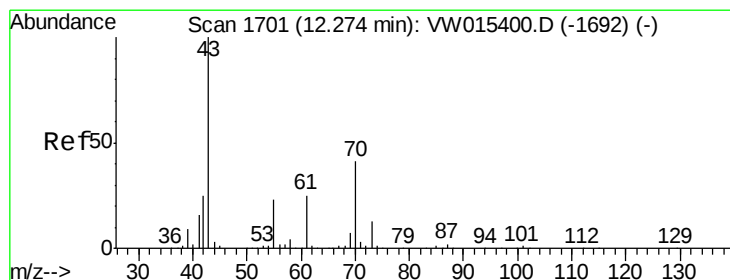
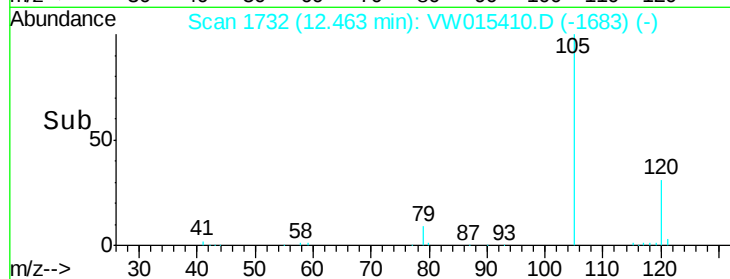
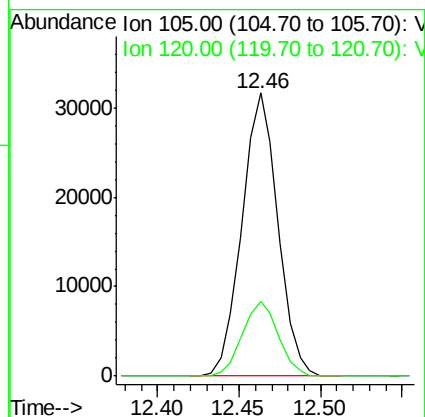
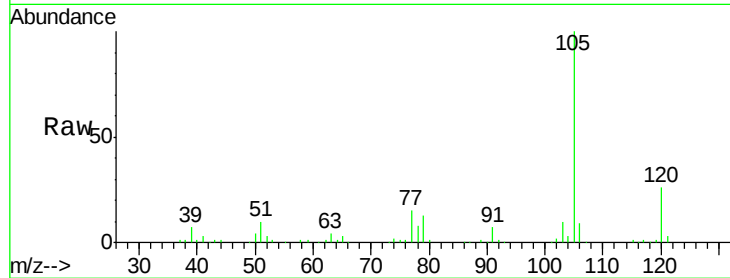
120 26.3 13.1 39.3

Manual Integrations

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5/7/2020 10:34:57 AM



#74

N-ethyl acetate

Concen: 4.465 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Tgt Ion: 43 Resp: 12180

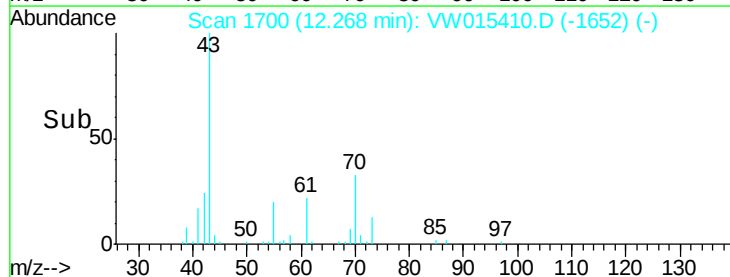
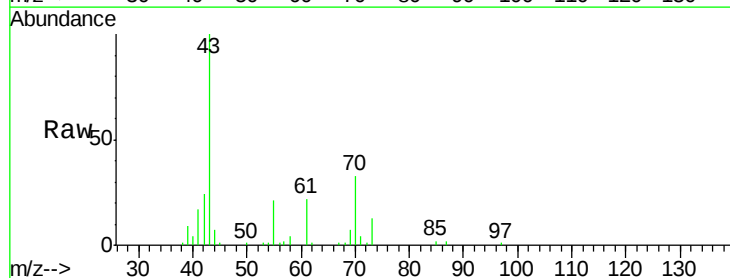
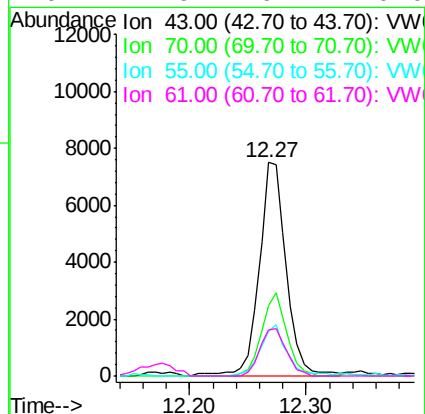
Ion Ratio Lower Upper

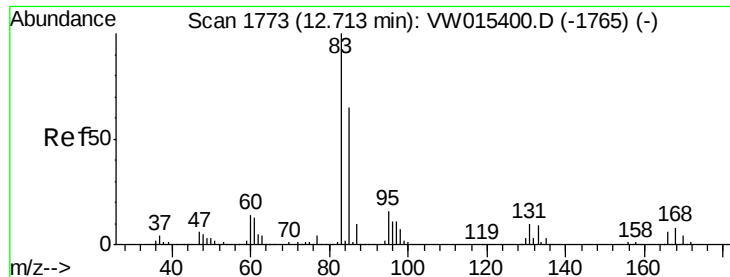
43 100

70 36.0 33.4 50.0

55 22.8 18.9 28.3

61 21.9 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.420 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

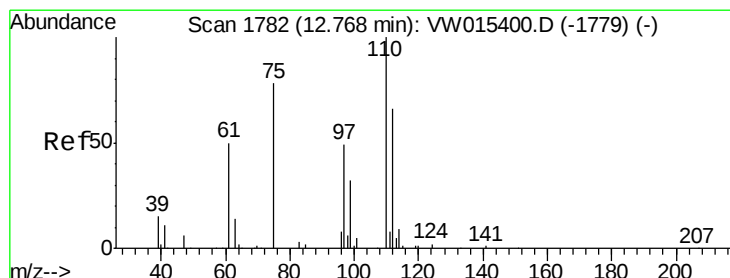
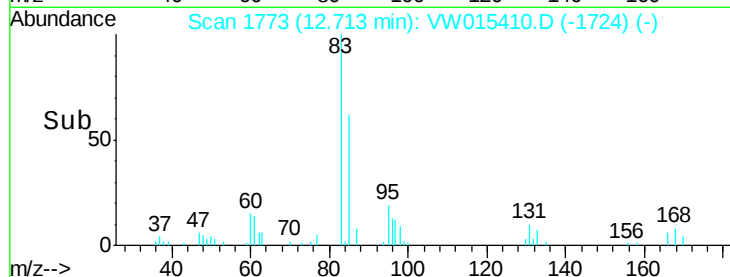
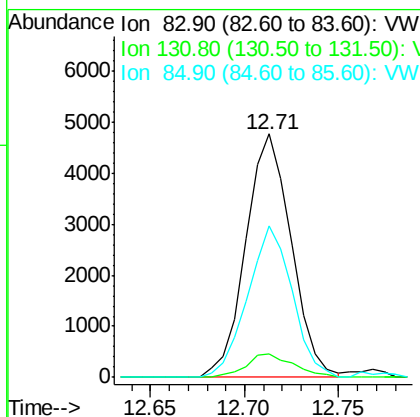
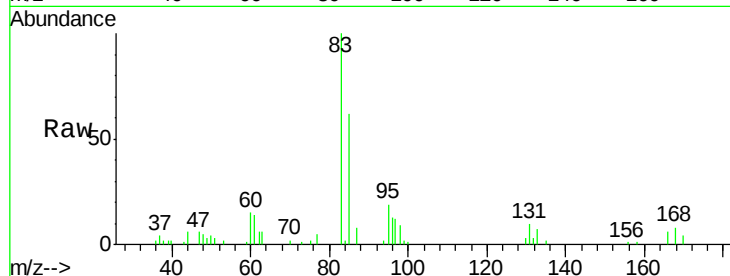
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	83	Resp:	7981
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.2
85	60.9	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.830 ug/l m

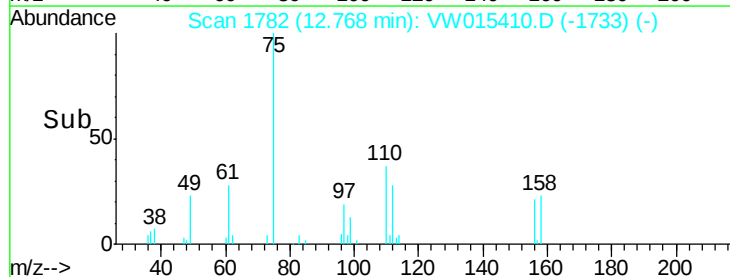
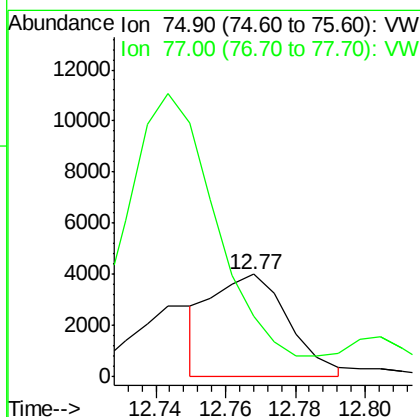
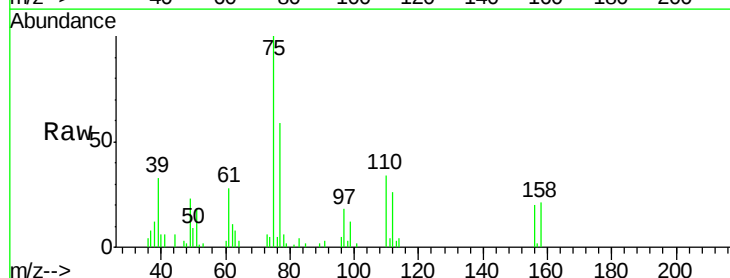
RT: 12.77 min Scan# 1782

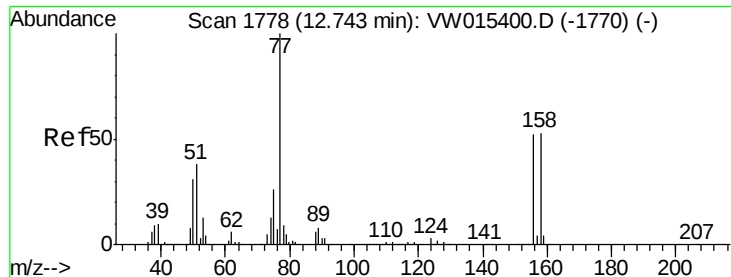
Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Tgt Ion:	75	Resp:	6143
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.255 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:156 Resp: 10408

Ion Ratio Lower Upper

156 100

77 201.7 101.8 305.6

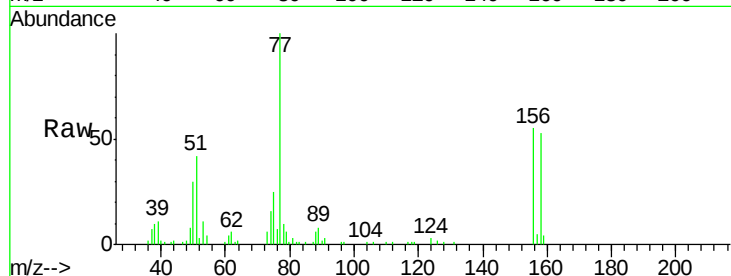
158 96.9 48.3 144.8

Manual Integrations

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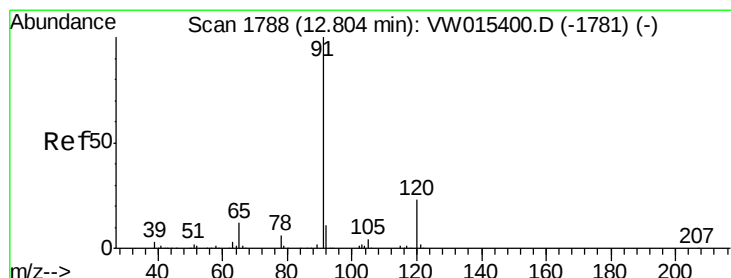
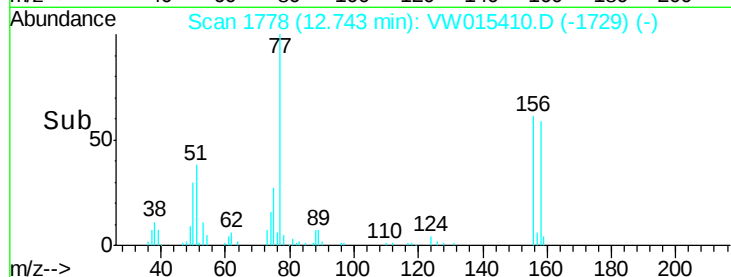
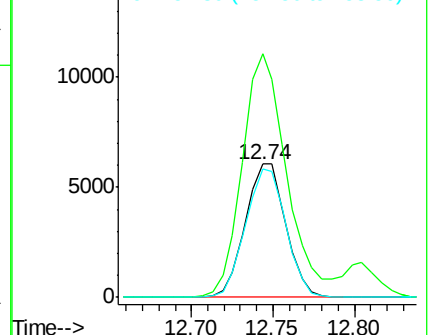
5/7/2020 10:34:57 AM



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: 4.268 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015410.D

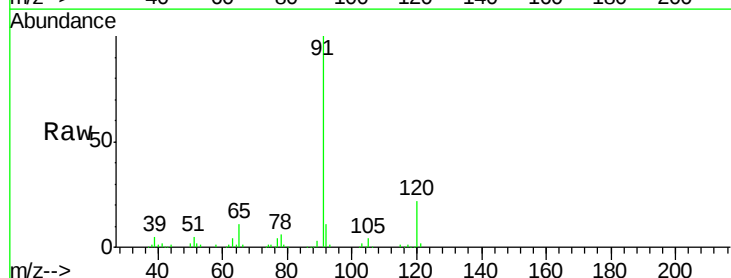
Acq: 06 May 2020 12:47

Tgt Ion: 91 Resp: 59102

Ion Ratio Lower Upper

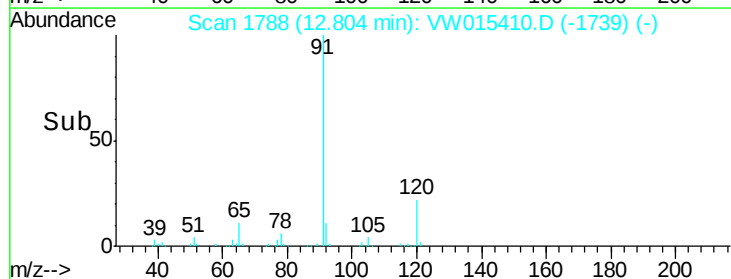
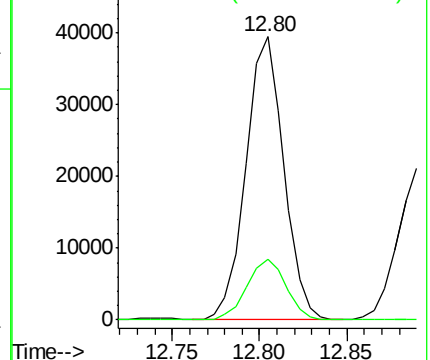
91 100

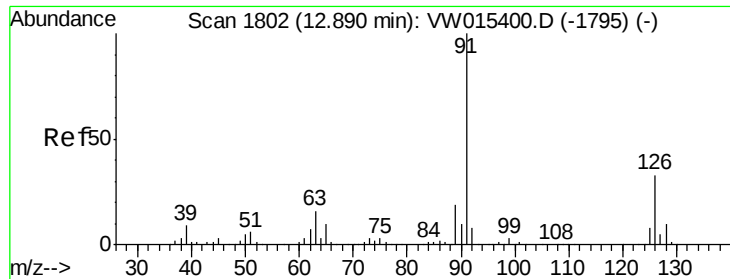
120 22.3 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.178 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 91 Resp: 32611

Ion Ratio Lower Upper

91 100

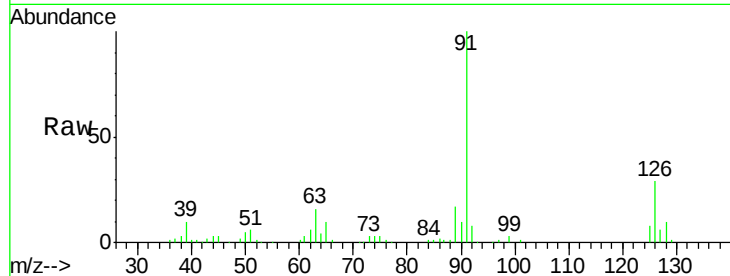
126 32.6 16.1 48.2

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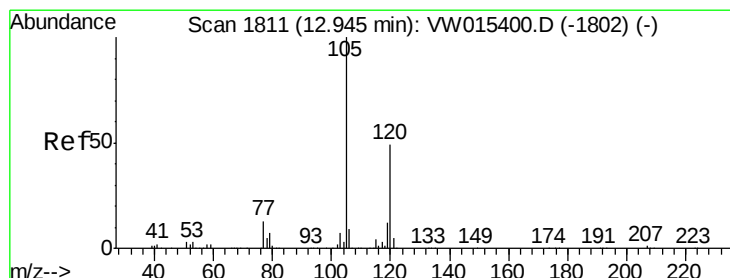
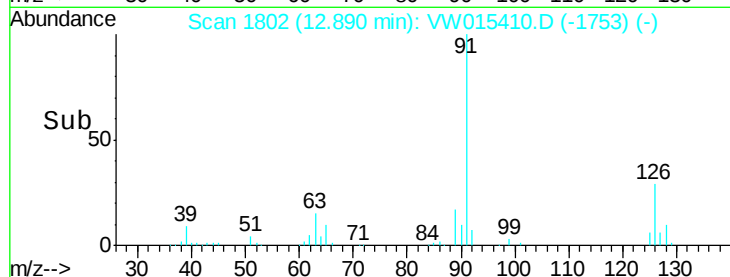
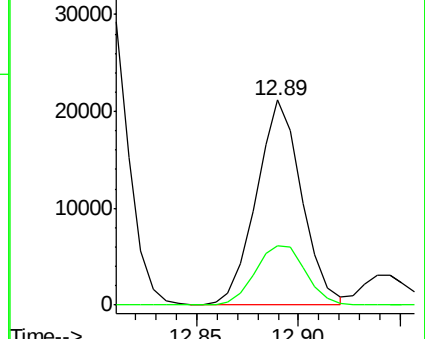
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.167 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015410.D

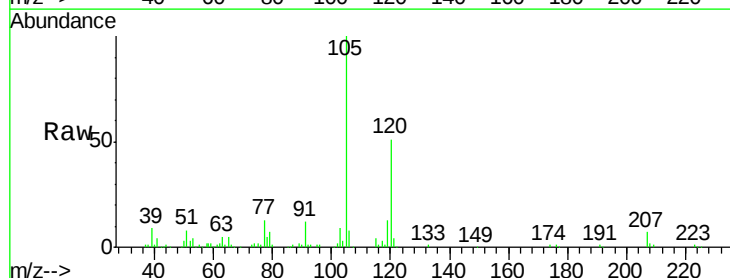
Acq: 06 May 2020 12:47

Tgt Ion:105 Resp: 40505

Ion Ratio Lower Upper

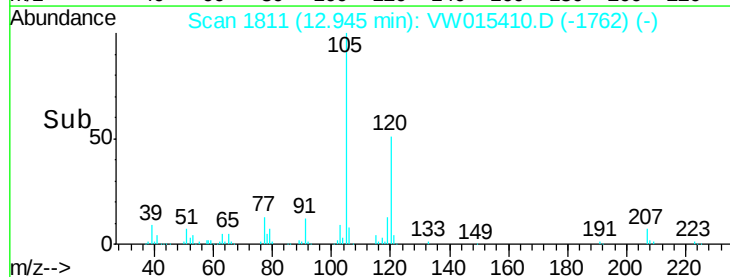
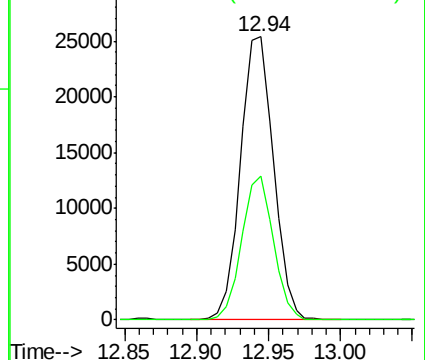
105 100

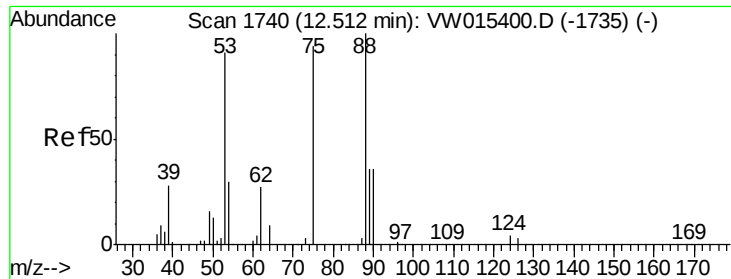
120 48.5 24.2 72.6



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: 3.667 ug/l m

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

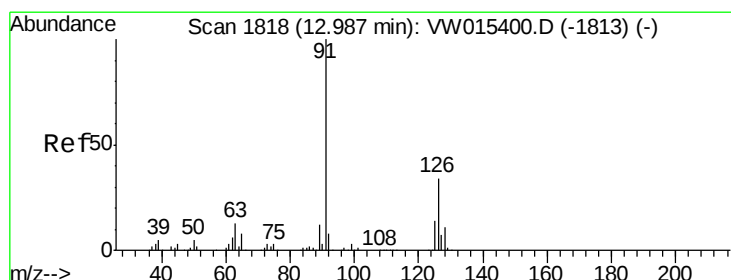
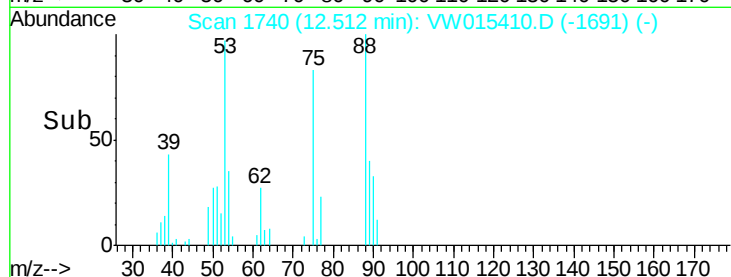
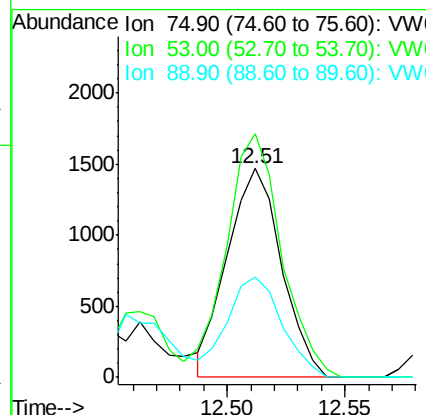
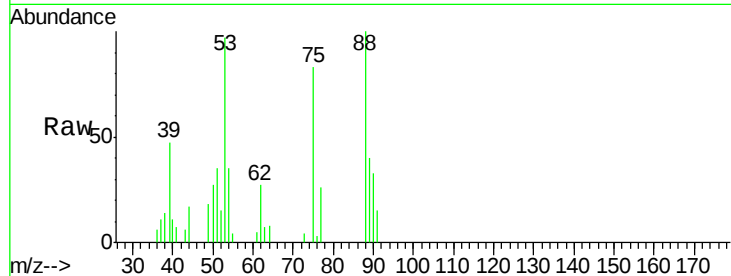
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	75	Resp:	2358
Ion	Ratio	Lower	Upper
75	100		
53	0.0	82.5	123.7#
89	8.1	35.8	53.8#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.162 ug/l

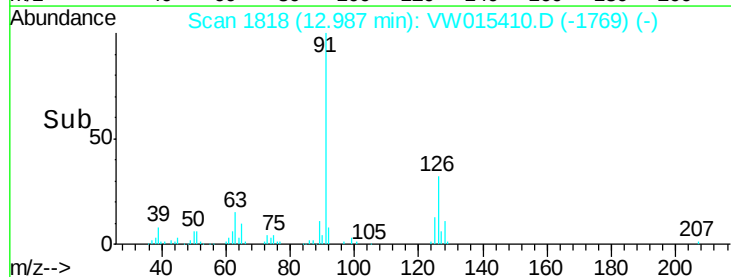
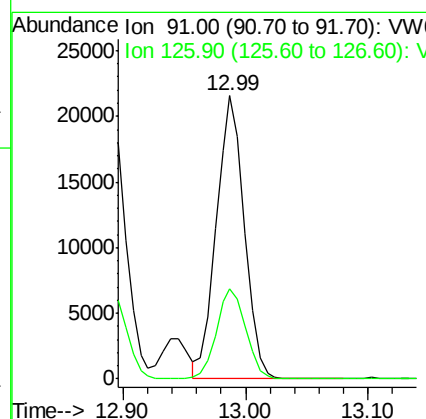
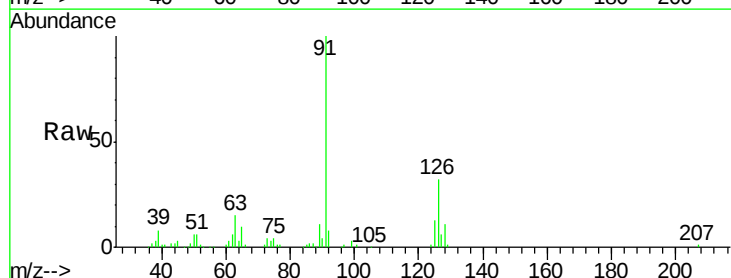
RT: 12.99 min Scan# 1818

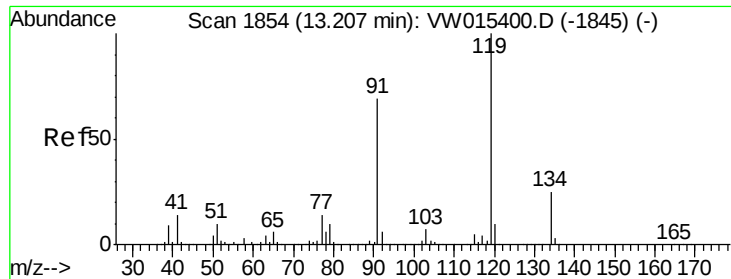
Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Tgt Ion:	91	Resp:	34426
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.0	47.9





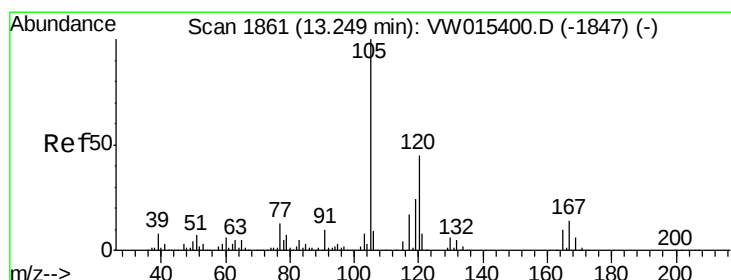
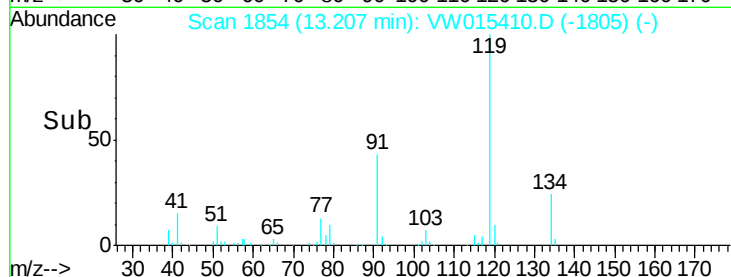
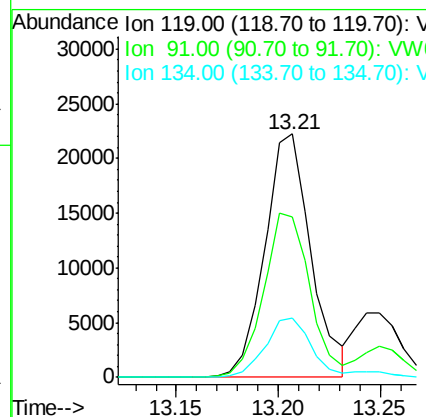
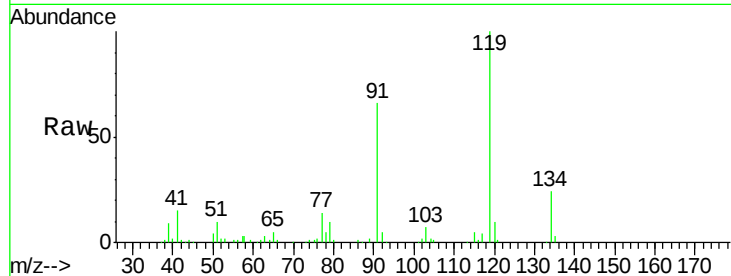
#83
tert-Butylbenzene
Concen: 4.231 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	33.8	101.4
134	24.6	12.3	36.9

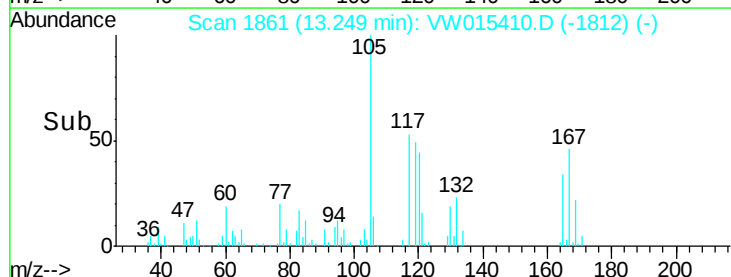
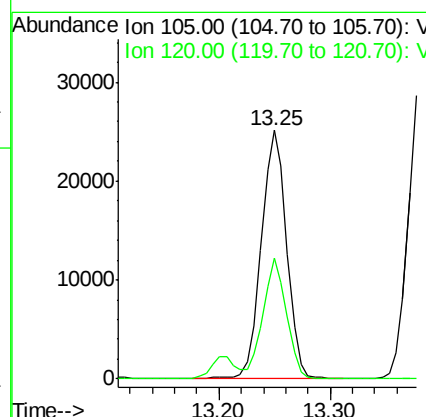
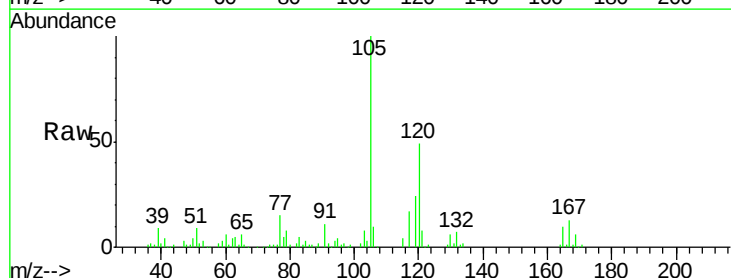
Manual Integrations
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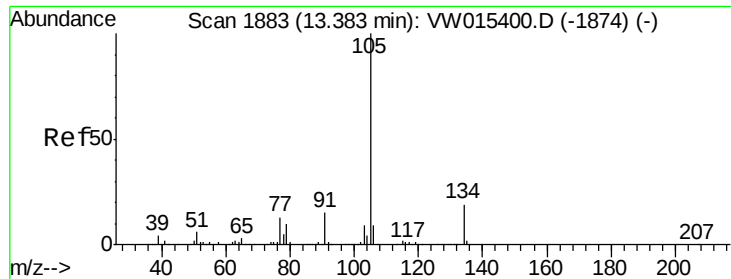
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 4.107 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.0	66.0





#85

sec-Butylbenzene

Concen: 4.154 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:105 Resp: 48549

Ion Ratio Lower Upper

105 100

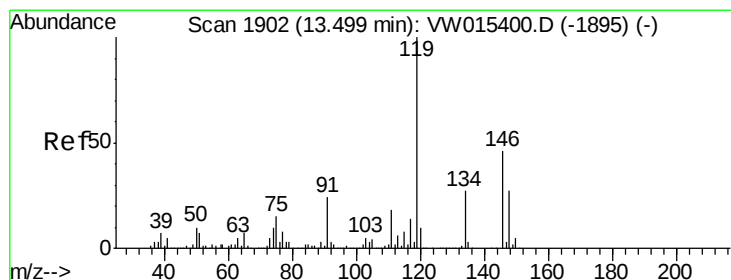
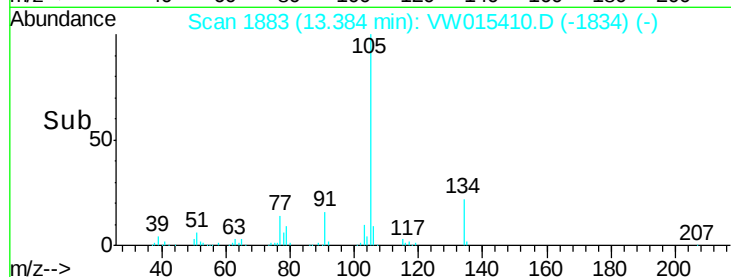
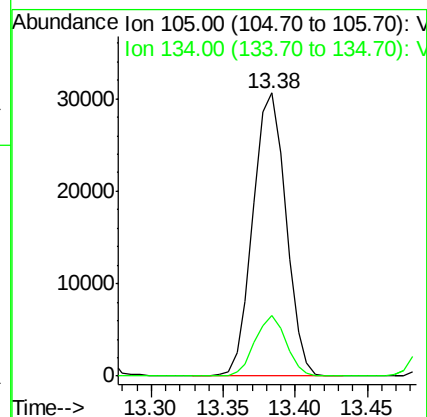
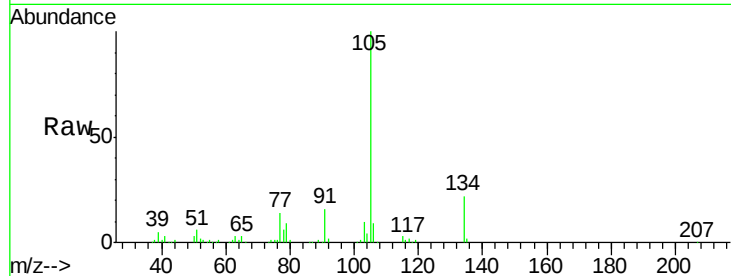
134 20.2 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 4.116 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015410.D

Acq: 06 May 2020 12:47

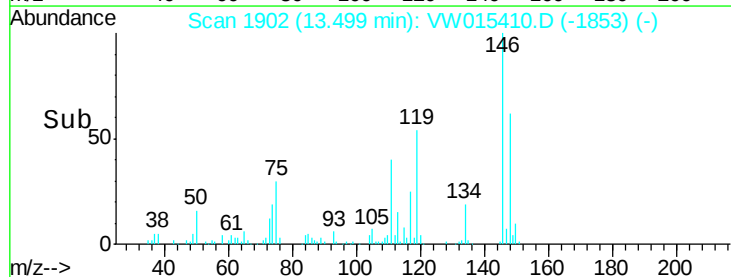
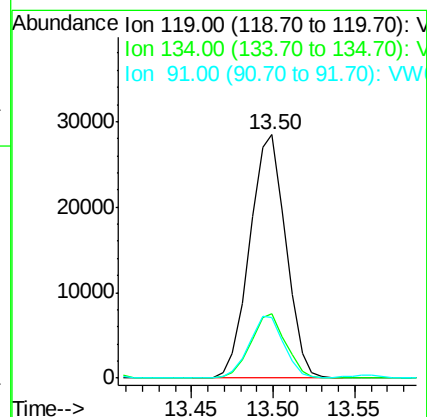
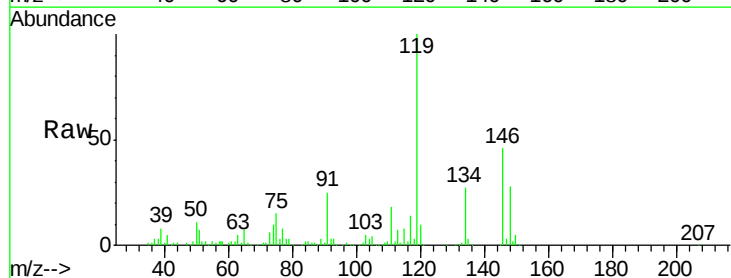
Tgt Ion:119 Resp: 43873

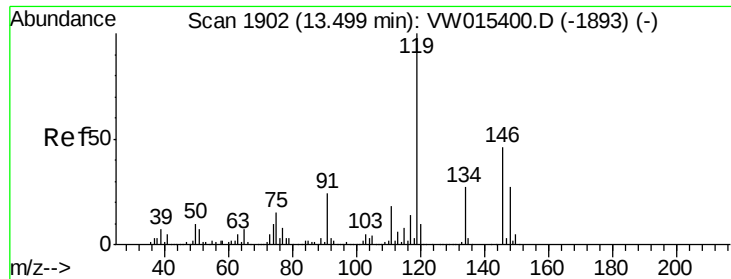
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

91 24.7 12.1 36.3





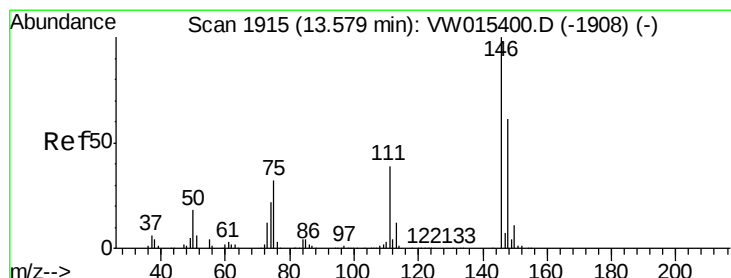
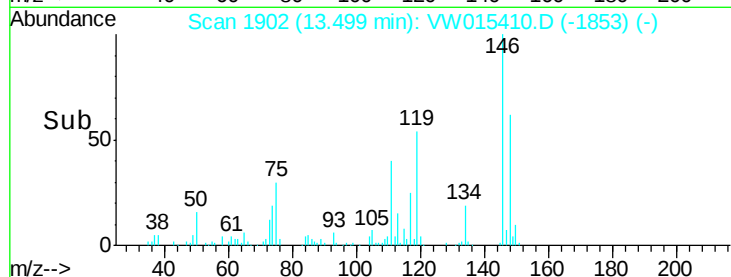
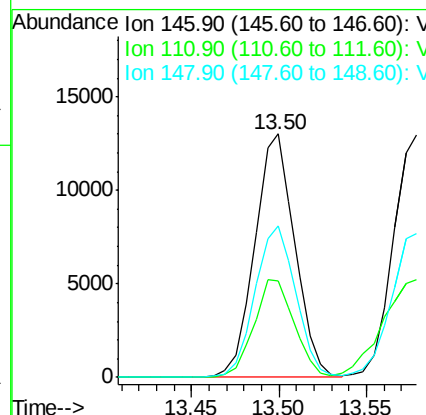
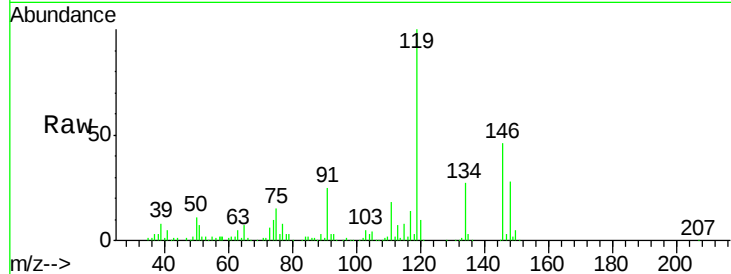
#87
 1,3-Dichlorobenzene
 Concen: 4.245 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.5
148	63.4	31.4	94.0

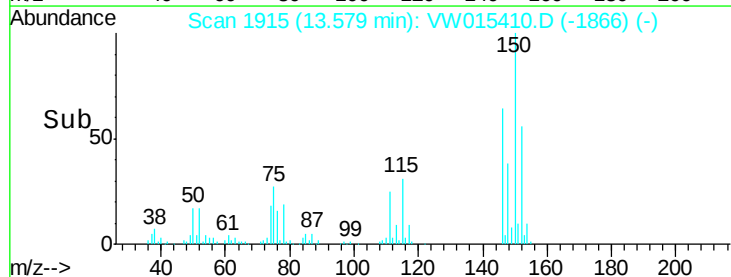
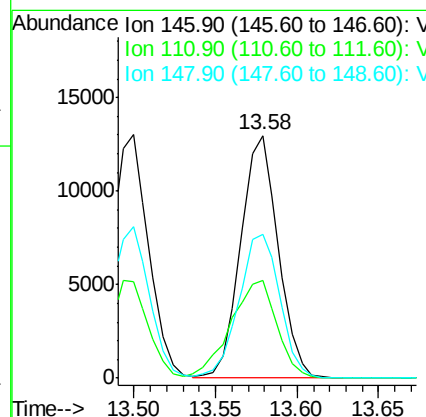
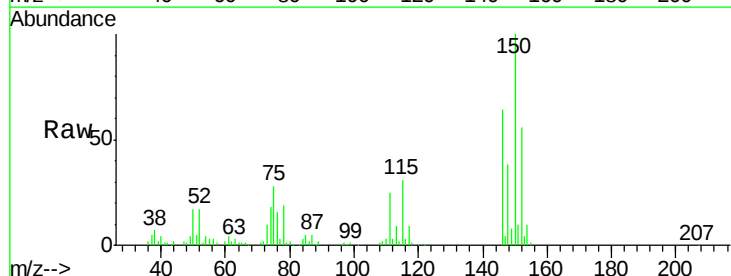
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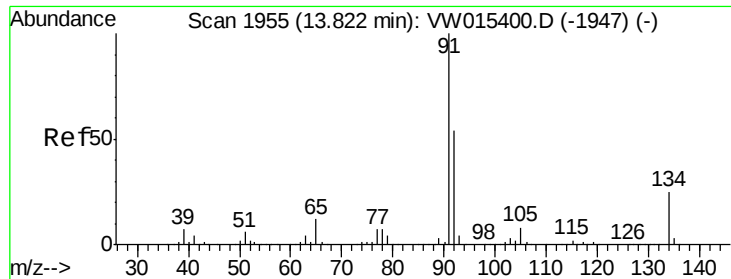
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 4.303 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.7	20.0	60.0
148	65.0	31.4	94.3





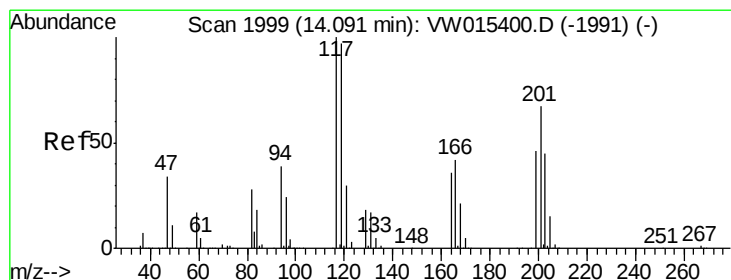
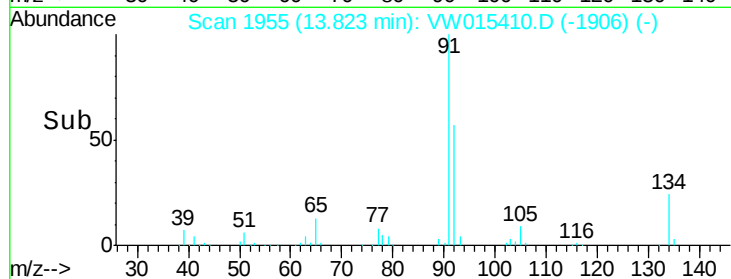
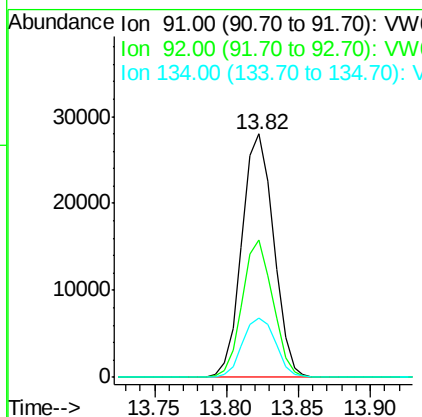
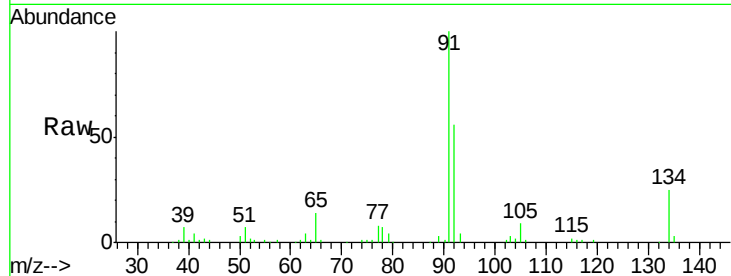
#89
n-Butylbenzene
Concen: 4.116 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.2	81.6
134	25.1	12.6	37.6

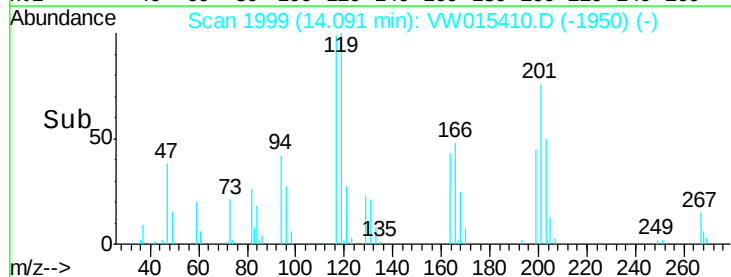
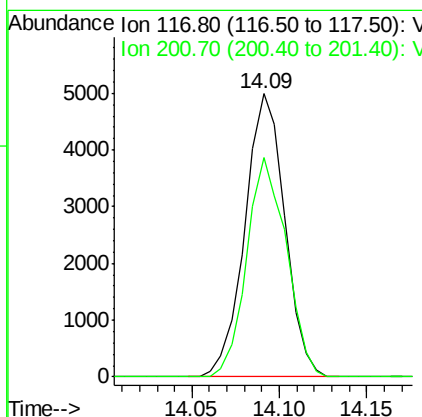
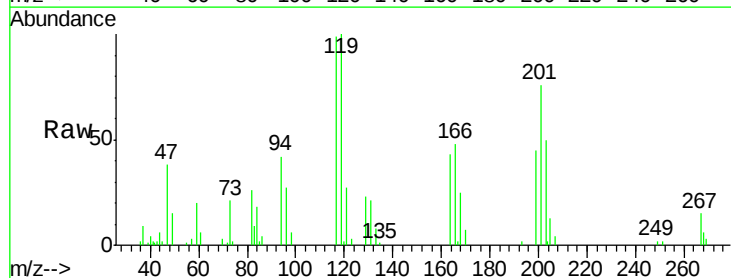
Manual Integrations
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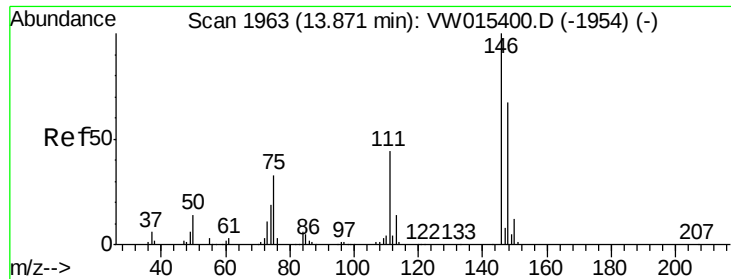
MMDadoda
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#90
Hexachloroethane
Concen: 4.030 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.8	35.9	107.8





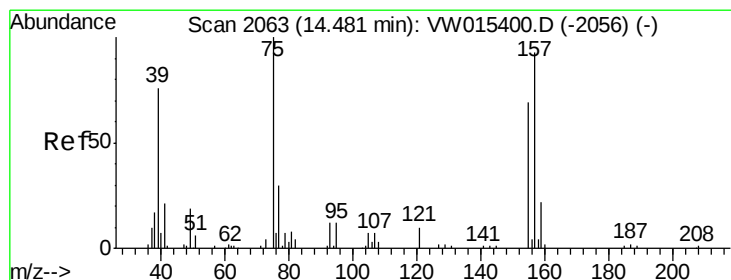
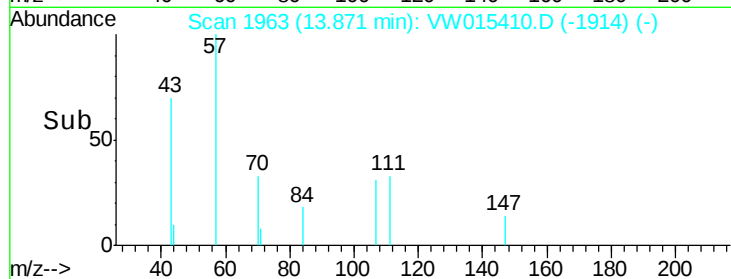
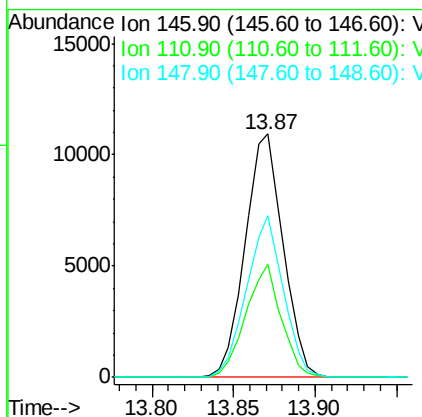
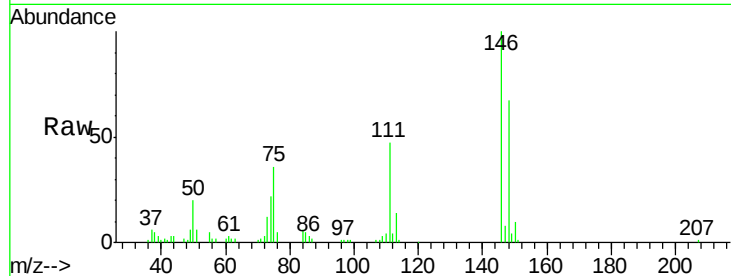
#91
 1,2-Dichlorobenzene
 Concen: 4.215 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Instrument :
 MSVOA_W
 ClientSampled :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.1	66.3
148	63.9	32.5	97.4

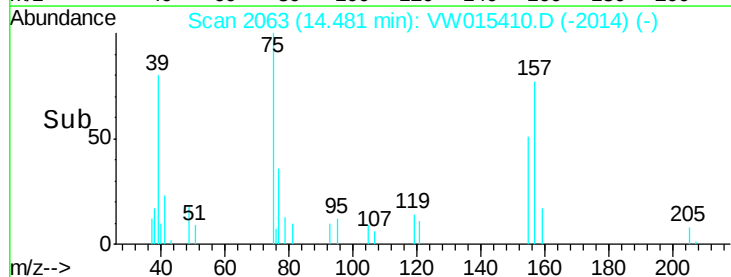
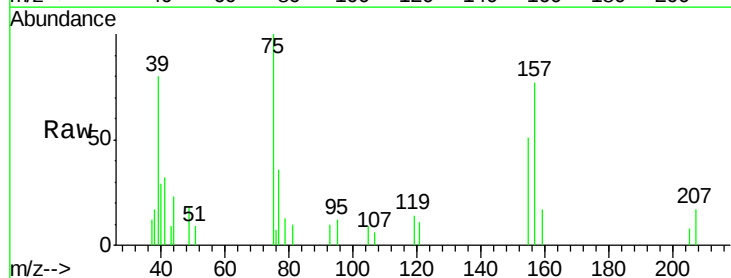
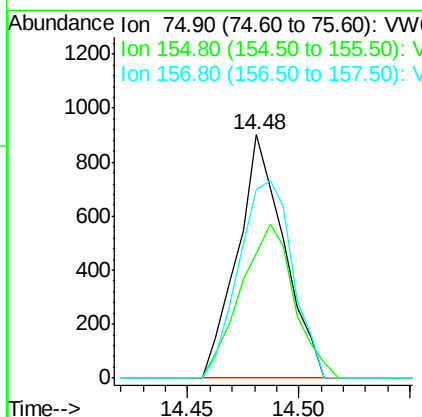
Manual Integrations
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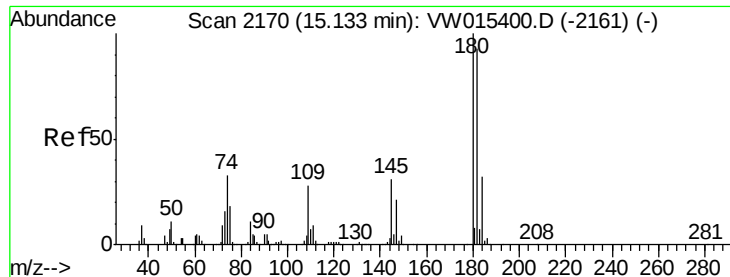
MMDadoda
 5/7/2020 10:34:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.156 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.3	38.7	116.1
157	93.7	48.1	144.4





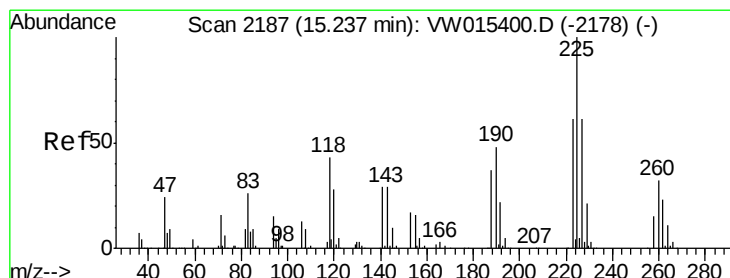
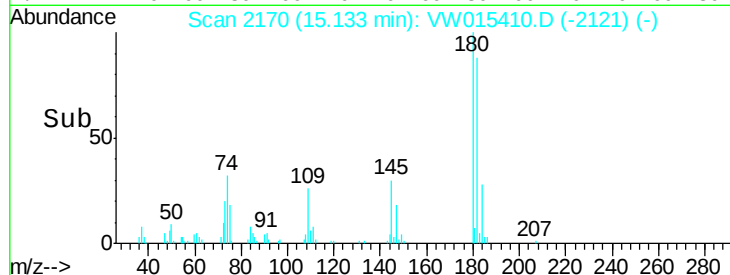
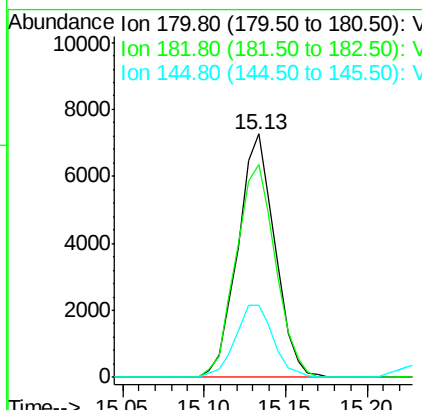
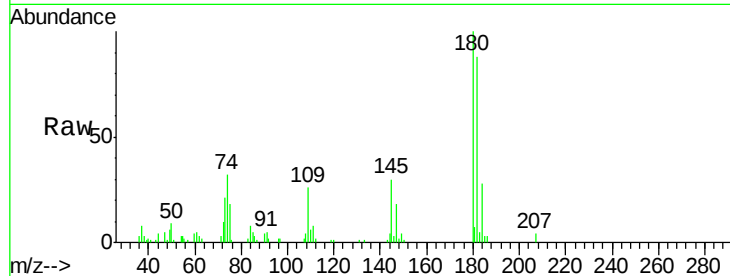
#93
 1,2,4-Trichlorobenzene
 Concen: 4.059 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.2	47.2	141.6	
145	30.5	15.6	46.8	

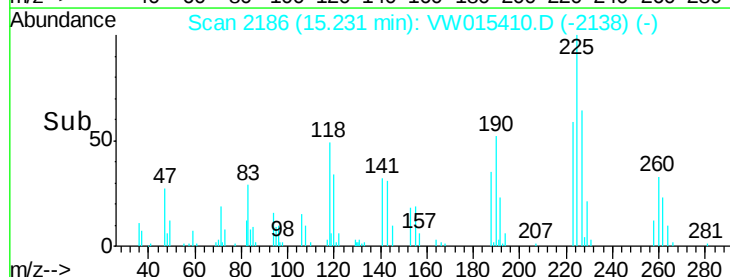
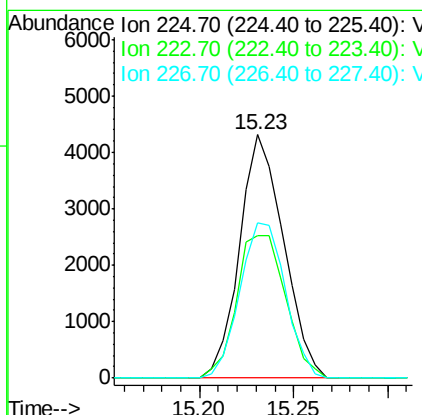
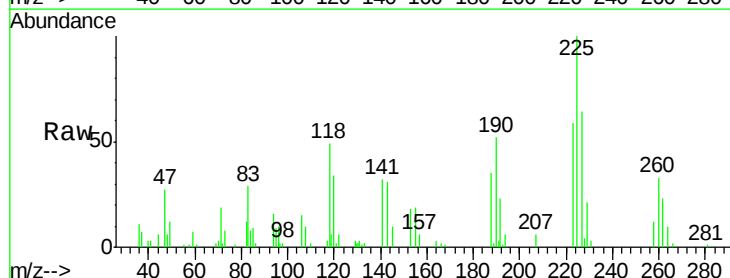
Manual Integrations
 APPROVED

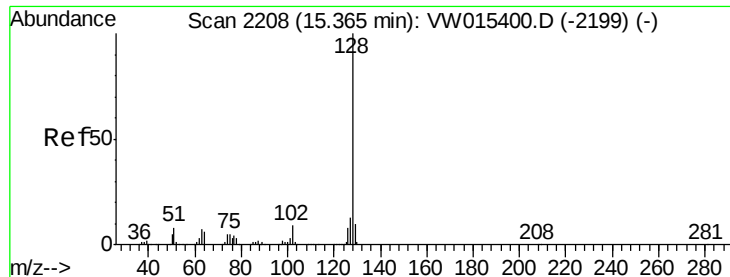
MMDadoda
 5/7/2020 10:34:57 AM



#94
 Hexachlorobutadiene
 Concen: 4.156 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW015410.D
 Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.4	30.7	92.1	
227	66.2	32.0	96.0	





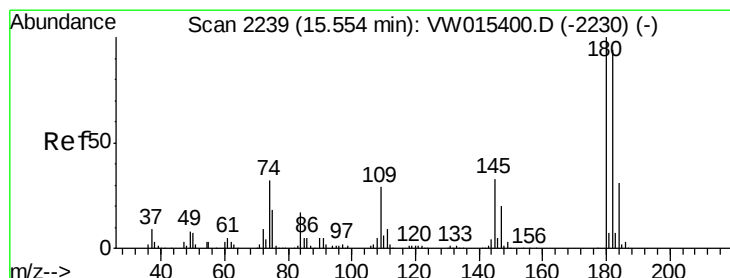
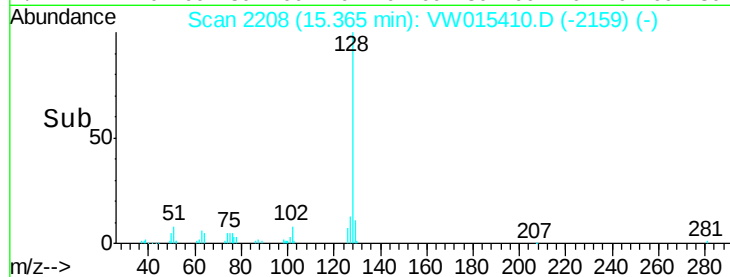
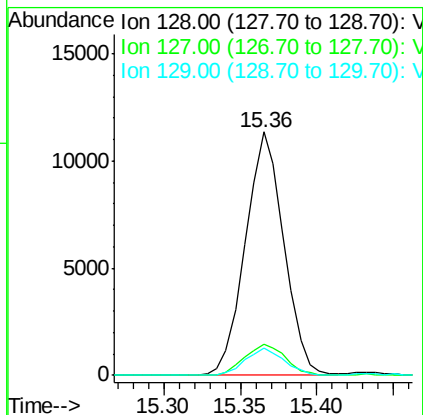
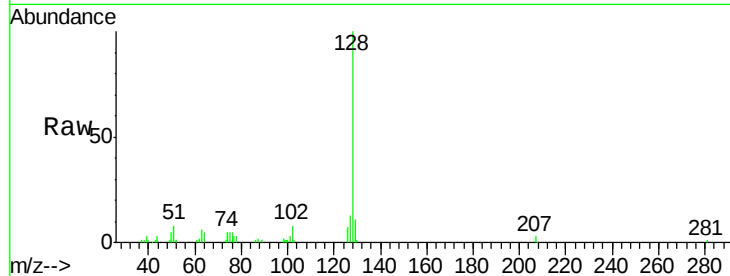
#95
Naphthalene
Concen: 3.913 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.0	8.6	12.8

Manual Integrations
APPROVED

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5/7/2020 10:34:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 3.823 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015410.D
Acq: 06 May 2020 12:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.6	142.8
145	35.1	16.3	48.8

