

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090519\
 Data File : VL034134.D
 Acq On : 5 Sep 2019 13:32
 Operator : SY/AP
 Sample : K4612-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SOIL

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 5:15:14 AM

Quant Time: Sep 06 04:54:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 06 04:54:22 2019
 QLast Update : Thu Sep 05 10:21:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	890419	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	1711798	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	1706250	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1488772	10.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	31510	0.215	ppbv	90
3) Chlorodifluoromethane	2.98	51	138402m	1.394	ppbv	
4) Chloromethane	3.13	50	33772	0.544	ppbv	90
9) Propene	3.00	41	552096	9.942	ppbv #	81
10) Heptane	8.18	43	201983m	1.401	ppbv	
11) Trichlorofluoromethane	3.96	101	47690	0.398	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.50	101	10058m	0.126	ppbv	
13) Ethanol	3.62	45	1435210	131.925	ppbv	99
15) Acetone	3.85	43	5531998m	51.550	ppbv	
17) tert-Butyl alcohol	4.32	59	393155	5.047	ppbv	97
20) Methylene Chloride	4.36	84	338396	9.537	ppbv	94
25) Ethyl Acetate	5.71	43	2392724	10.157	ppbv #	93
27) Carbon Disulfide	4.57	76	71203	0.753	ppbv #	78
29) Chloroform	5.80	83	471945	3.341	ppbv	98
30) Cyclohexane	7.18	84	44254m	0.584	ppbv	
32) 1,1,1-Trichloroethane	6.56	97	11808m	0.088	ppbv	
34) 2-Butanone	5.27	43	1882965	11.442	ppbv	99
35) Carbon Tetrachloride	7.07	117	14101m	0.106	ppbv	
36) Benzene	6.94	78	73985	0.378	ppbv	96
37) 1,2-Dichloroethane	6.36	62	17616	0.147	ppbv	99
38) Trichloroethene	7.90	130	3016m	0.041	ppbv	
41) Tetrahydrofuran	6.09	42	23917m	0.242	ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	140130	0.388	ppbv #	80
50) 4-Methyl-2-Pentanone	8.80	43	1836287	7.312	ppbv	98
52) Tetrachloroethene	11.32	164	9996m	0.145	ppbv	
53) Toluene	9.88	91	3096801	14.310	ppbv	99
58) Ethyl Benzene	12.79	91	438295	1.567	ppbv	98
59) m/p-Xylene	13.06	91	879330	3.853	ppbv	100
60) o-Xylene	13.78	91	416701	1.833	ppbv	96
61) Styrene	13.62	104	136087m	0.800	ppbv	
62) Isopropylbenzene	14.77	105	61840m	0.209	ppbv	
64) n-propylbenzene	15.66	120	39129m	0.528	ppbv	
65) tert-Butylbenzene	16.86	119	92709	0.363	ppbv #	61
67) sec-Butylbenzene	17.40	105	68977m	0.188	ppbv	
69) p-Isopropyltoluene	17.75	119	367513	1.251	ppbv #	82
70) n-Butylbenzene	18.66	91	100925m	0.302	ppbv	
72) 4-Ethyltoluene	15.93	105	259156	1.010	ppbv	97
73) 1,3,5-Trimethylbenzene	16.09	105	256322	1.028	ppbv	89
74) 1,2,4-Trimethylbenzene	16.86	105	857842	3.342	ppbv #	75
76) 1,4-Dichlorobenzene	17.24	146	55453m	0.389	ppbv	
79) Naphthalene	22.33	128	34643m	0.149	ppbv	

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Quant Time: Sep 06 04:54:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 0
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	25.06	142	12883	0.160	ppbv	86

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

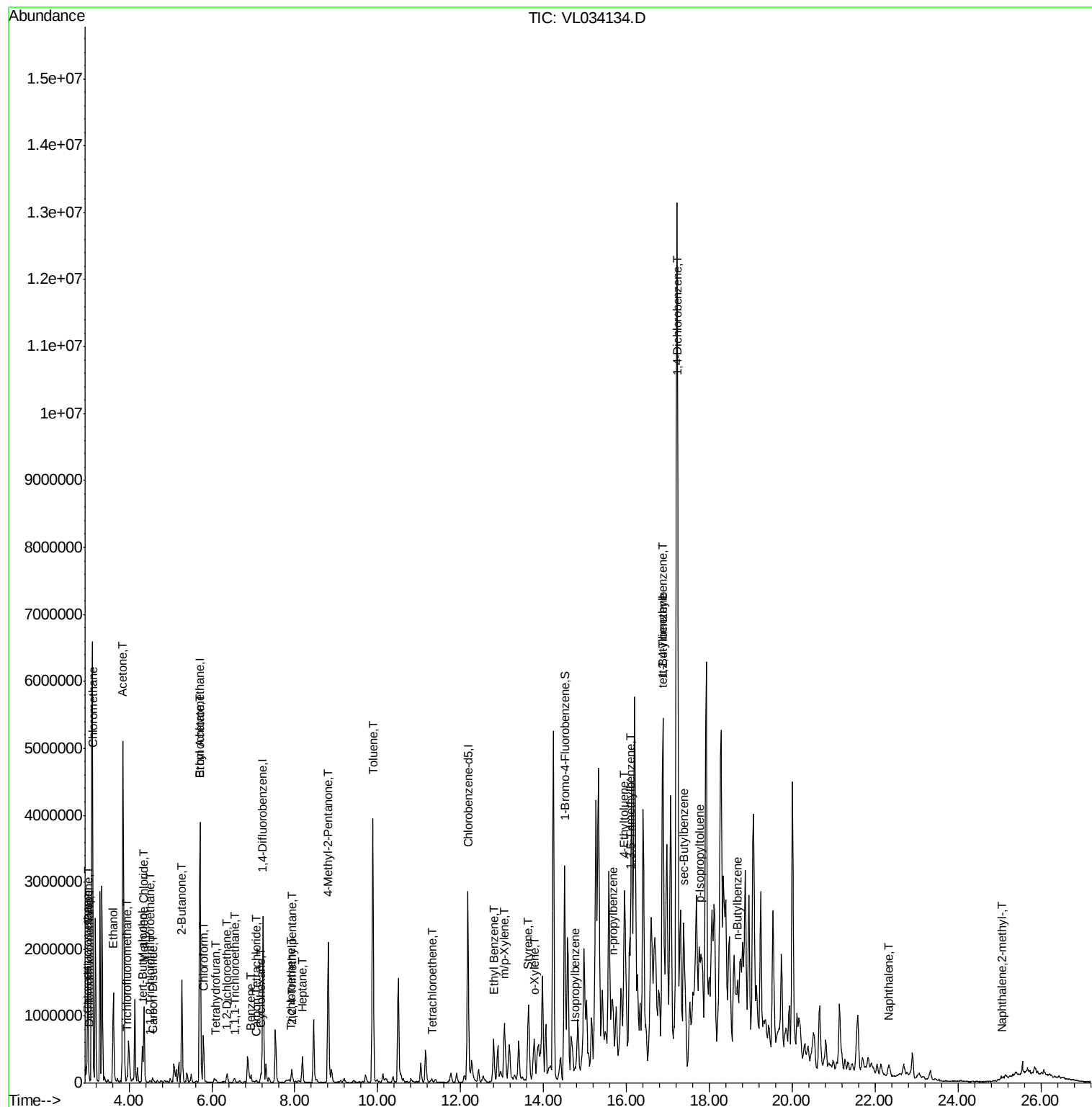
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090519\
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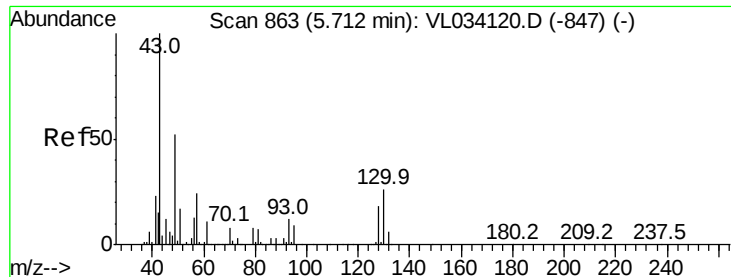
Instrument :
MSVOA_L
ClientSampled :
SOIL

Manual Integrations
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Quant Time: Sep 06 04:54:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 861

Delta R.T. -0.01 min

Lab File: VL034134.D

Acq: 5 Sep 2019 13:32

Instrument :

MSVOA_L

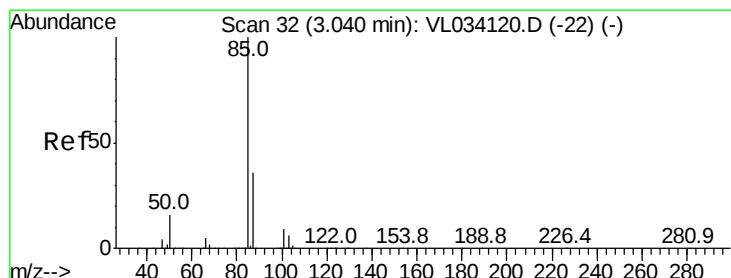
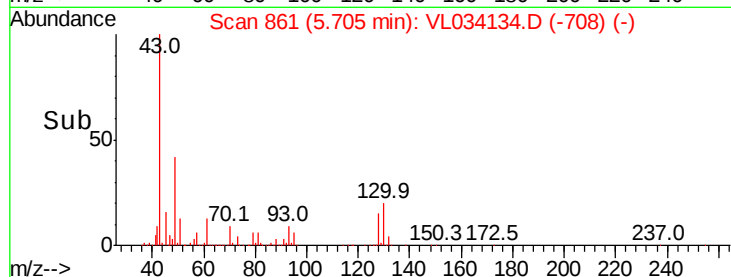
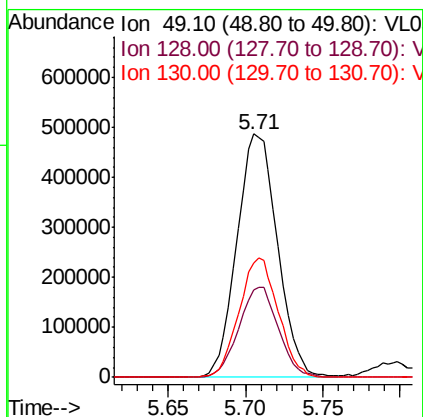
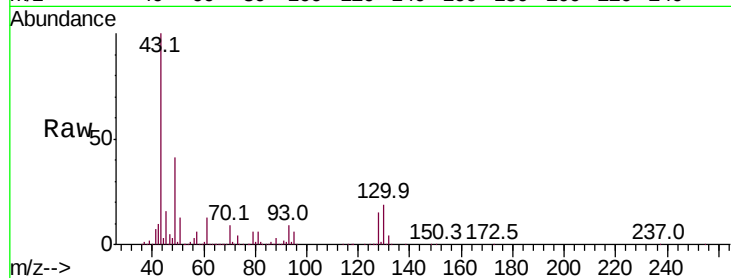
ClientSampled :

SOIL

Tot Ion	Ratio	Lower	Upper
49	100		
128	36.3	18.4	55.0
130	47.4	23.5	70.6

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.215 ppbv

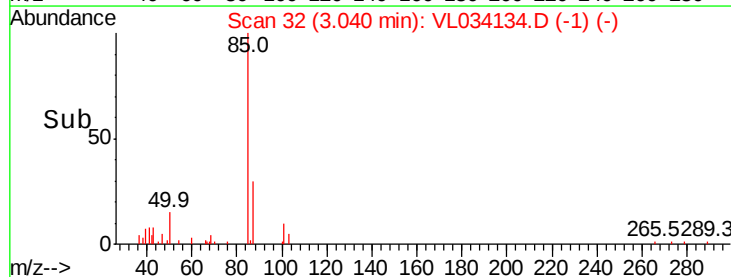
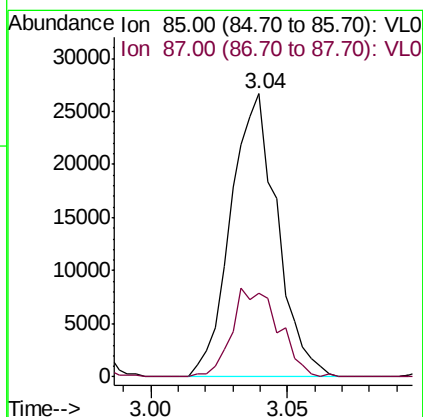
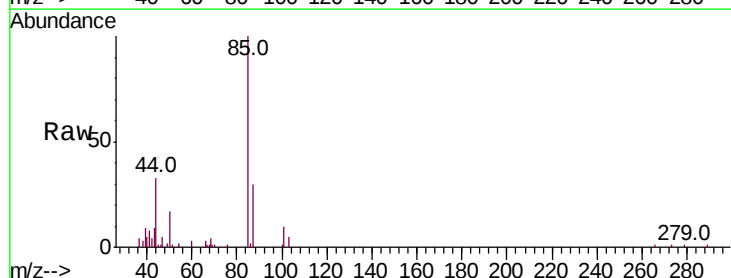
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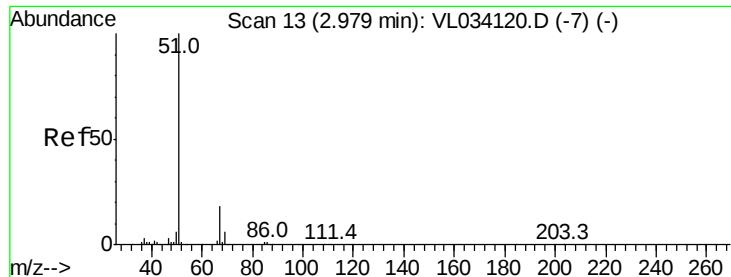
Delta R.T. -0.00 min

Lab File: VL034134.D

Acq: 5 Sep 2019 13:32

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.8	28.6	43.0





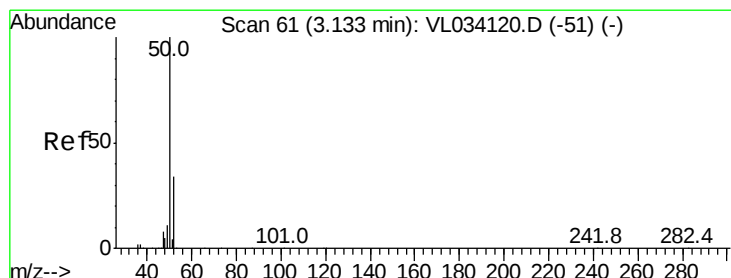
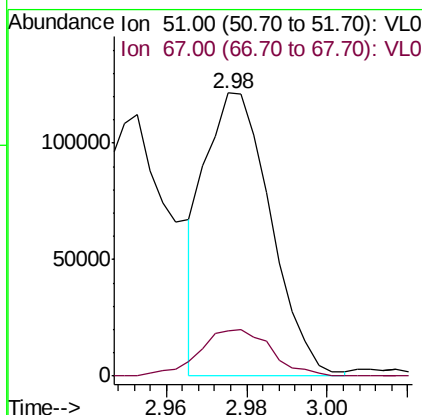
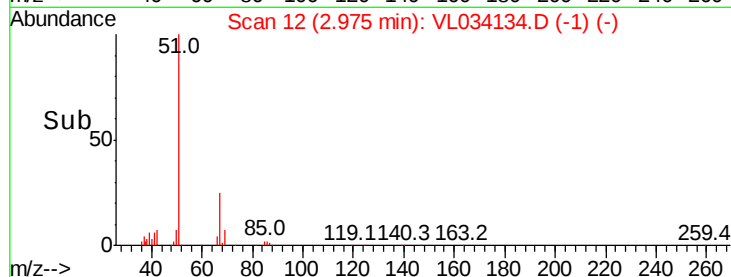
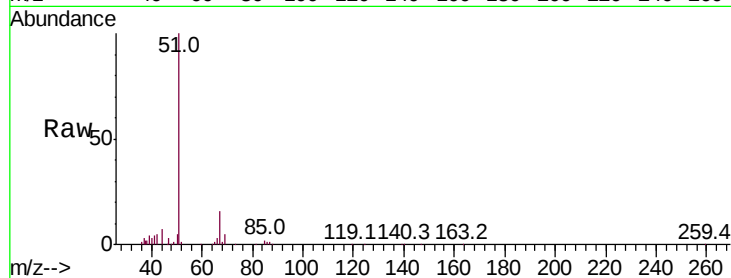
#3
Chlorodifluoromethane
Concen: 1.394 ppbv
RT: 2.98 min Scan# 12
Delta R.T. -0.00 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Instrument :
MSVOA_L
ClientSampled :
SOIL

Tot Ion	Ratio	Lower	Upper
51	100		
67	17.6	14.2	21.4

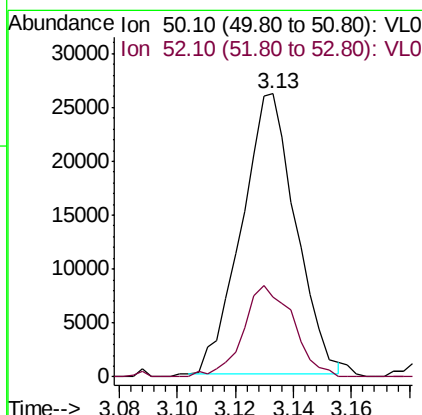
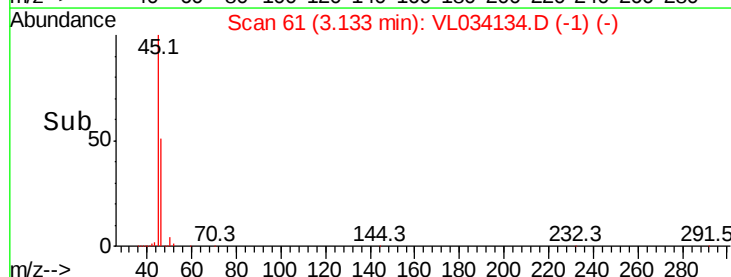
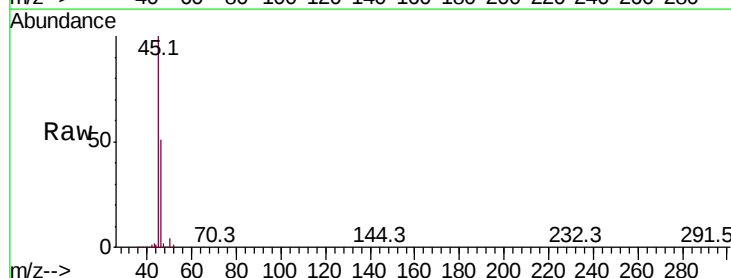
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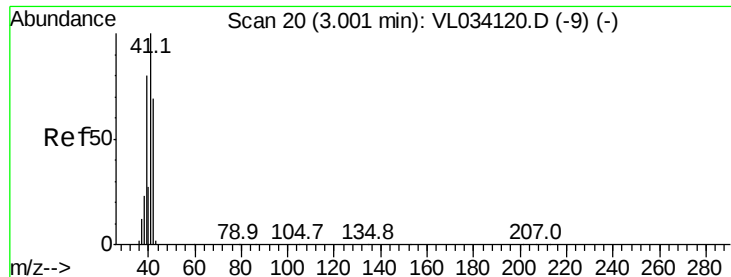
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#4
Chloromethane
Concen: 0.544 ppbv
RT: 3.13 min Scan# 61
Delta R.T. -0.00 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.3	27.4	41.2





#9

Propene

Concen: 9.942 ppbv

RT: 3.00 min Scan# 21

Delta R.T. 0.00 min

Lab File: VL034134.D

Acq: 5 Sep 2019 13:32

Instrument :

MSVOA_L

ClientSampleId :

SOIL

Tot Ion: 41 Resp: 552096

Ion Ratio Lower Upper

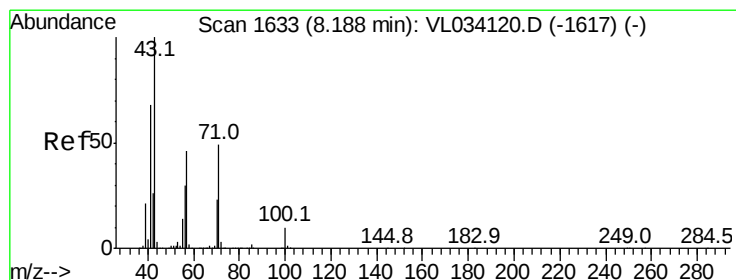
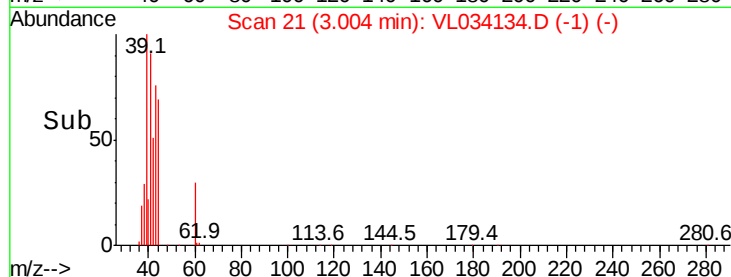
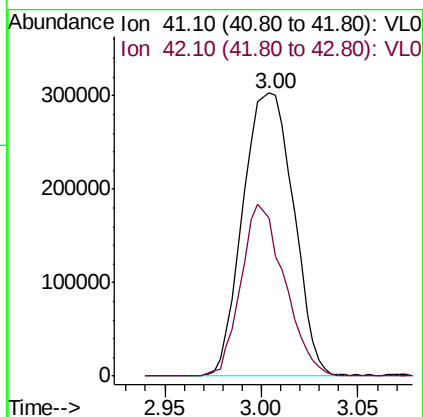
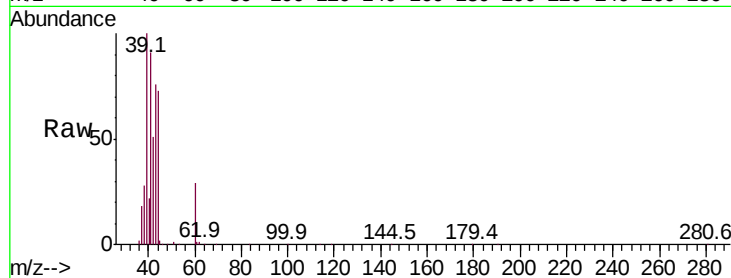
41 100

42 52.5 54.6 81.8#

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#10

Heptane

Concen: 1.401 ppbv m

RT: 8.18 min Scan# 1631

Delta R.T. -0.01 min

Lab File: VL034134.D

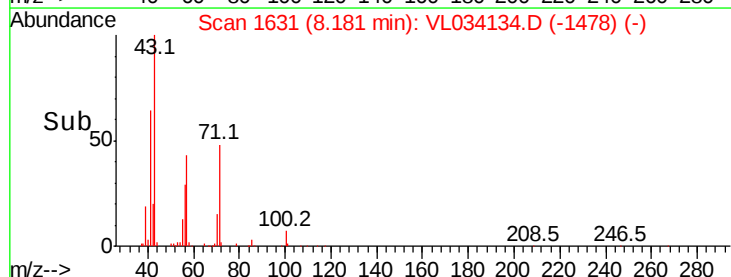
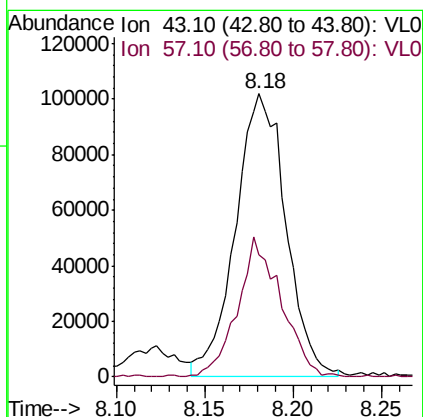
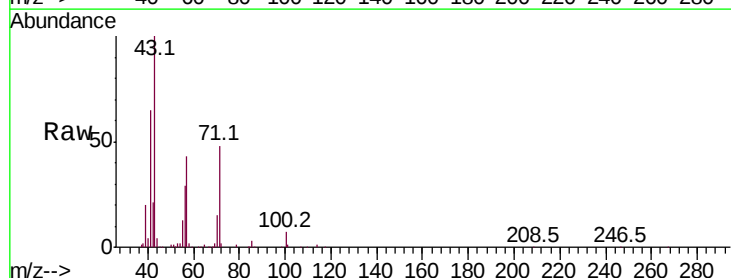
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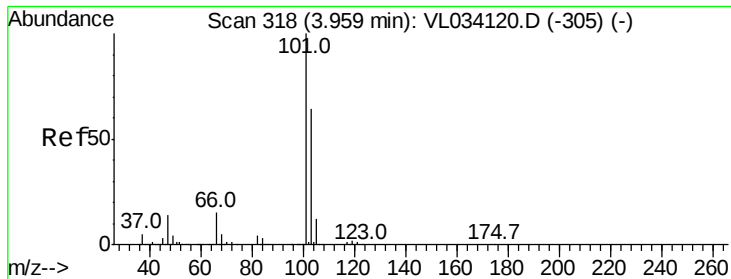
Tgt Ion: 43 Resp: 201983

Ion Ratio Lower Upper

43 100

57 43.0 38.1 57.1





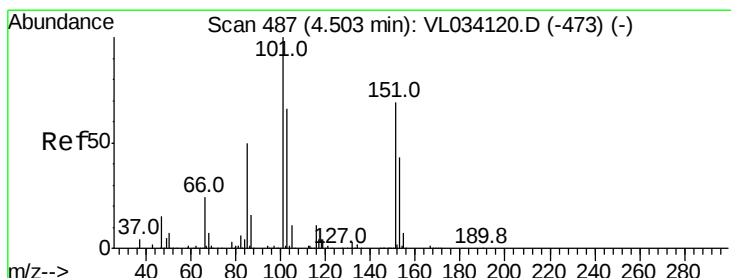
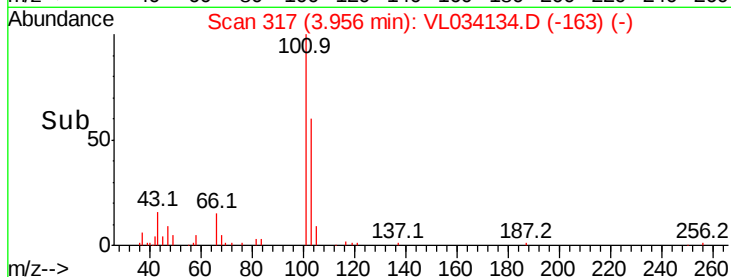
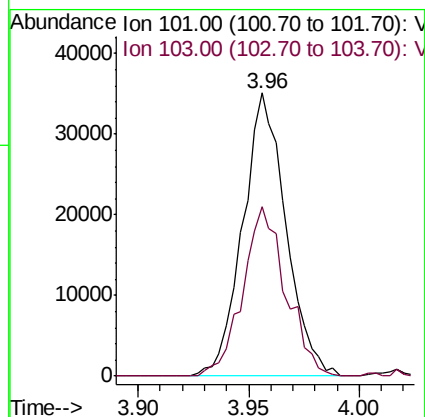
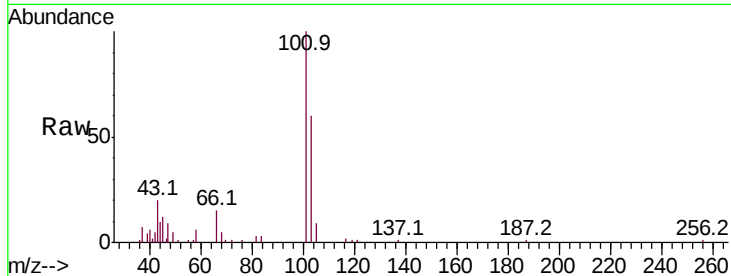
#11
 Trichlorofluoromethane
 Concen: 0.398 ppbv
 RT: 3.96 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VL034134.D
 Acq: 5 Sep 2019 13:32

Instrument :
 MSVOA_L
 ClientSampled :
 SOIL

Tot Ion:101 Resp: 47690
 Ion Ratio Lower Upper
 101 100
 103 59.9 51.4 77.2

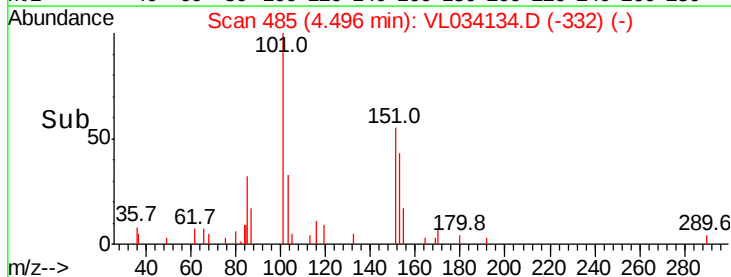
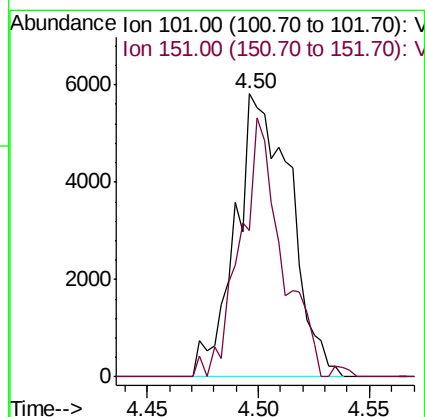
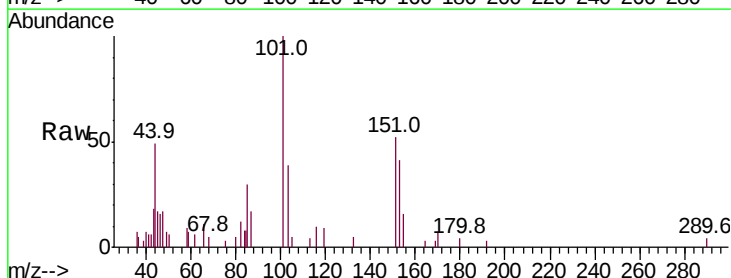
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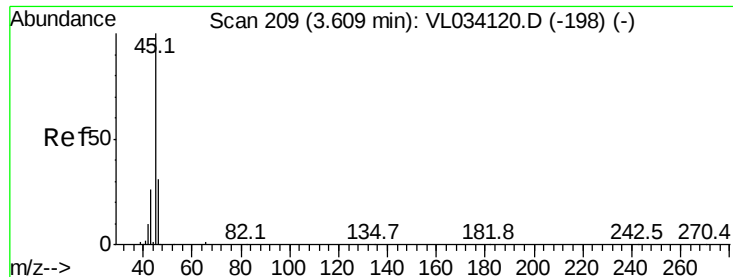
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.126 ppbv m
 RT: 4.50 min Scan# 485
 Delta R.T. -0.01 min
 Lab File: VL034134.D
 Acq: 5 Sep 2019 13:32

Tgt Ion:101 Resp: 10058
 Ion Ratio Lower Upper
 101 100
 151 69.3 53.0 79.6





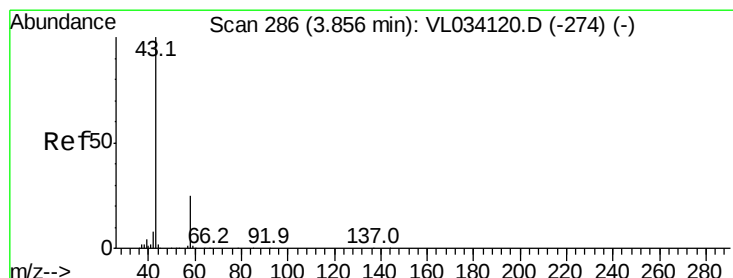
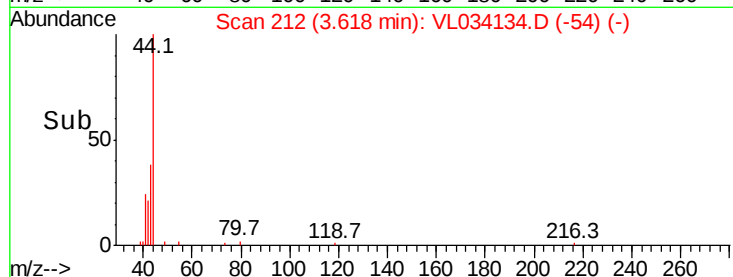
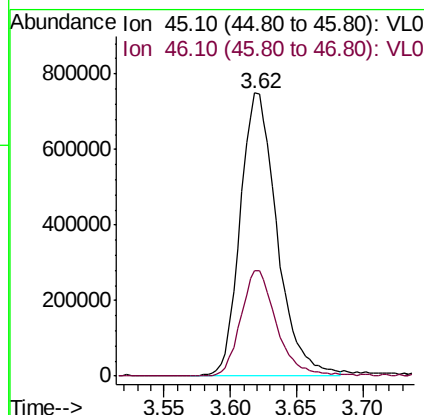
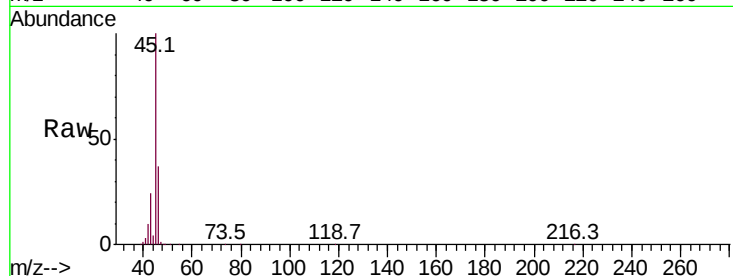
#13
Ethanol
Concen: 131.925 ppbv
RT: 3.62 min Scan# 212
Delta R.T. 0.01 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :
SOIL

Tot Ion: 45 Resp: 1435210
Ion Ratio Lower Upper
45 100
46 36.8 15.0 60.0

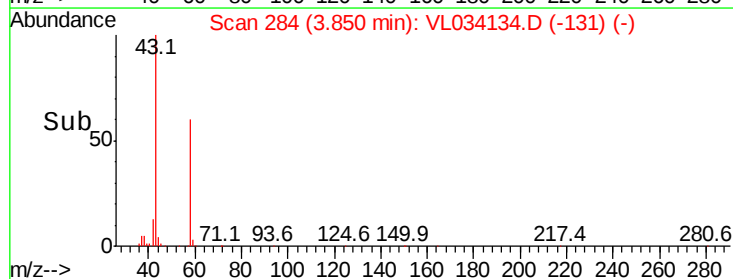
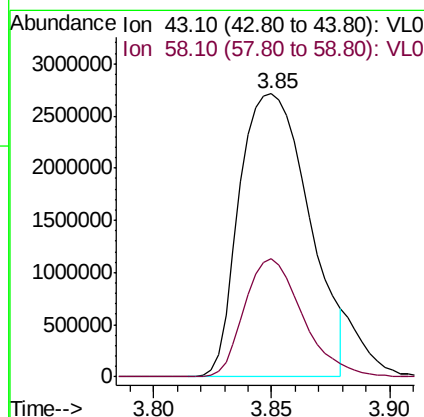
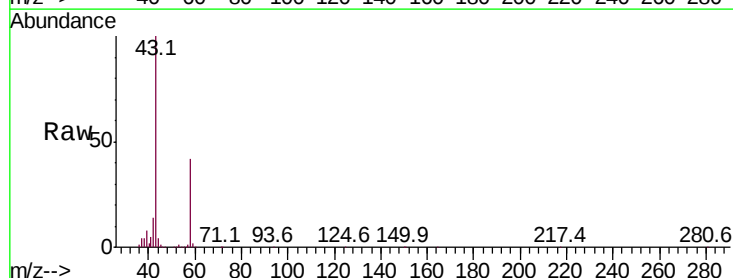
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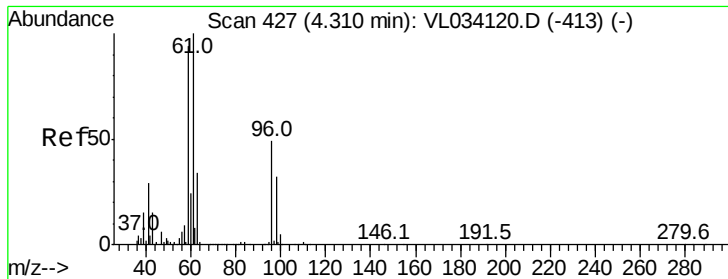
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#15
Acetone
Concen: 51.550 ppbv m
RT: 3.85 min Scan# 284
Delta R.T. -0.01 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Tgt Ion: 43 Resp: 5531998
Ion Ratio Lower Upper
43 100
58 35.2 20.6 30.8#





#17

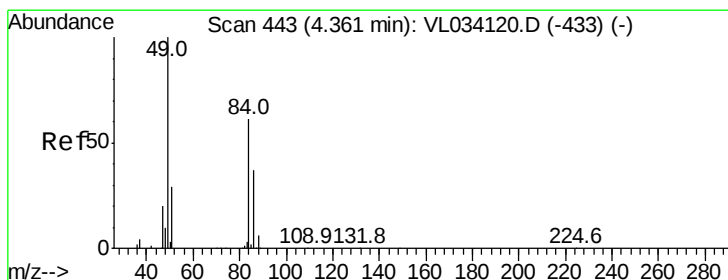
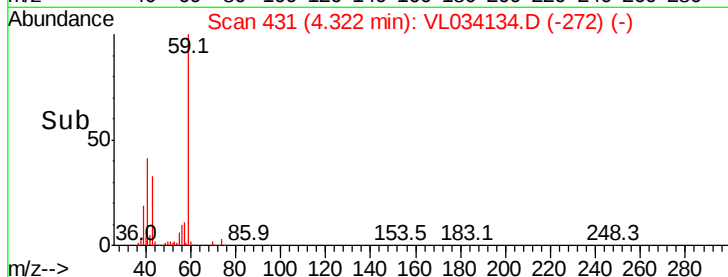
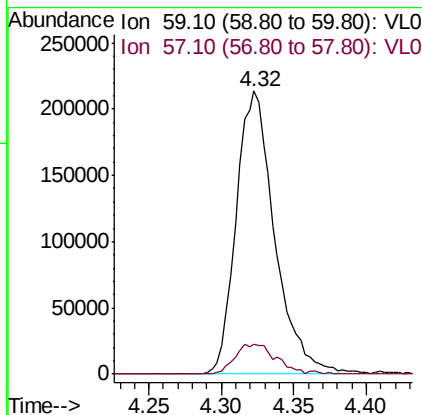
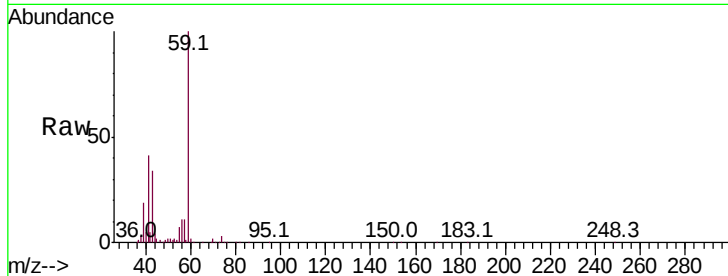
tert-Butyl alcohol
Concen: 5.047 ppbv
RT: 4.32 min Scan# 431
Delta R.T. 0.01 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Instrument :
MSVOA_L
ClientSampled :
SOIL

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	8.6	12.8

Manual Integrations
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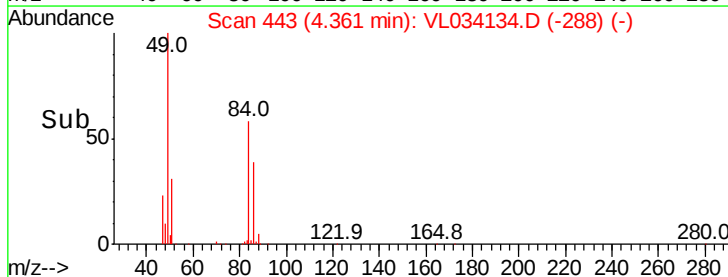
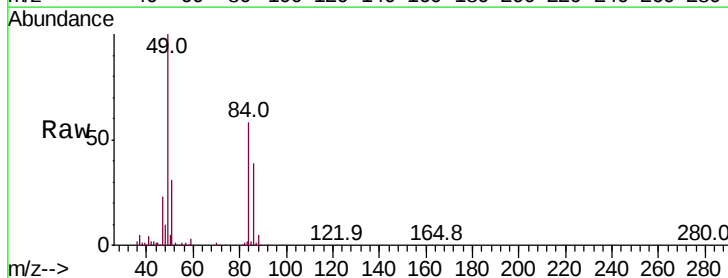
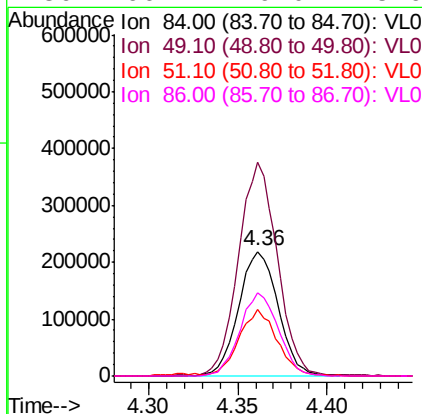
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9/12/2019 5:15:14 AM

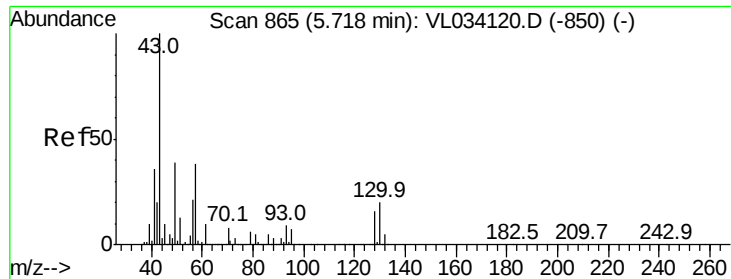


#20

Methylene Chloride
Concen: 9.537 ppbv
RT: 4.36 min Scan# 443
Delta R.T. -0.00 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	171.0	131.0	196.6
51	52.9	38.1	57.1
86	66.2	49.0	73.6





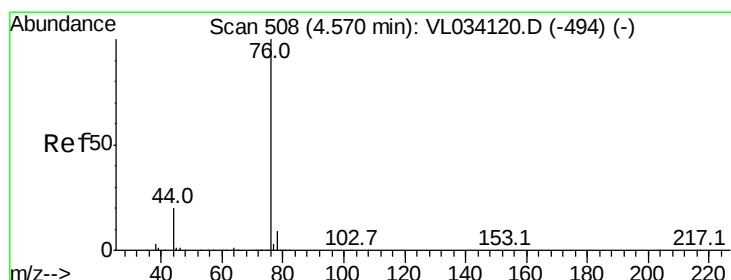
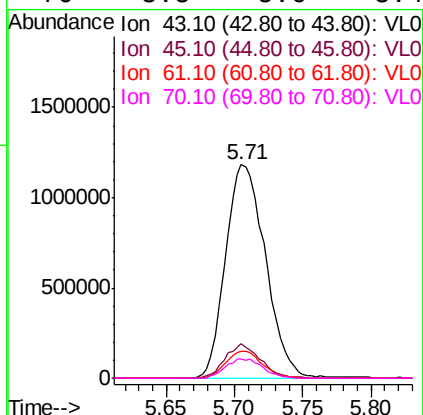
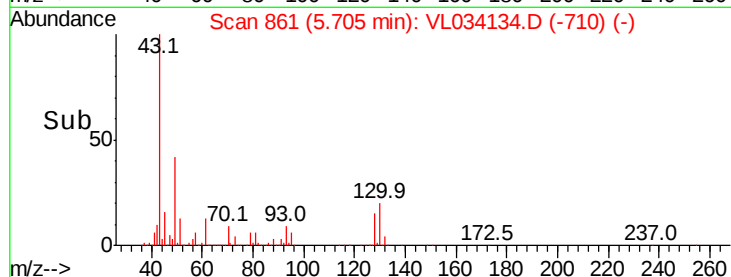
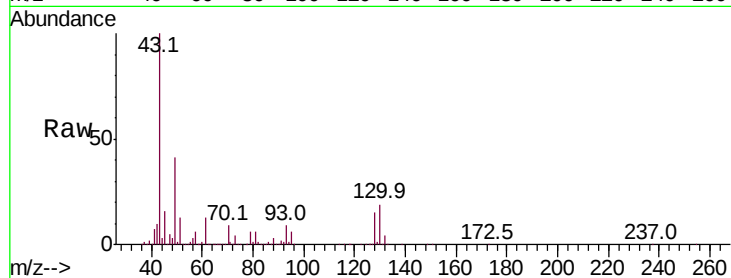
#25
Ethyl Acetate
Concen: 10.157 ppbv
RT: 5.71 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Instrument :
MSVOA_L
ClientSampled :
SOIL

Tot Ion: 43 Resp: 2392724
Ion Ratio Lower Upper
43 100
45 14.1 8.2 12.4#
61 11.7 7.4 11.2#
70 8.5 5.6 8.4#

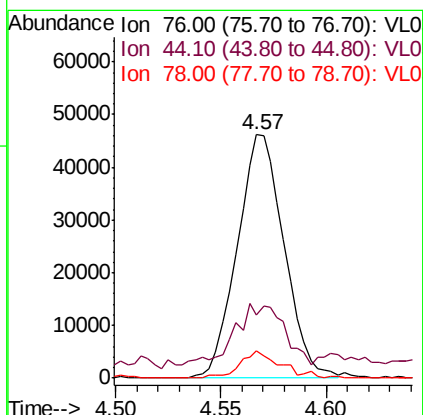
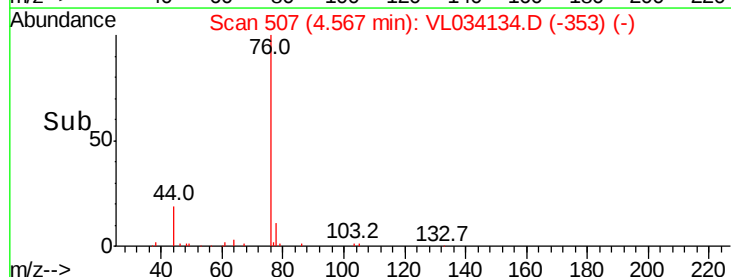
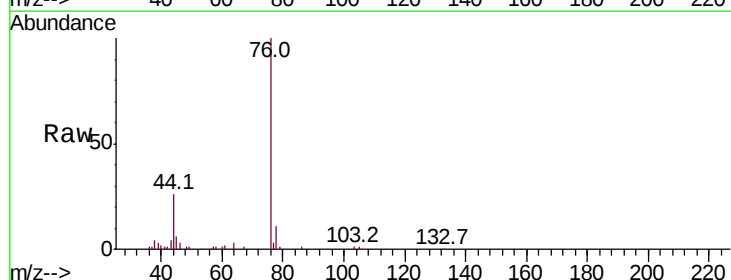
Manual Integrations
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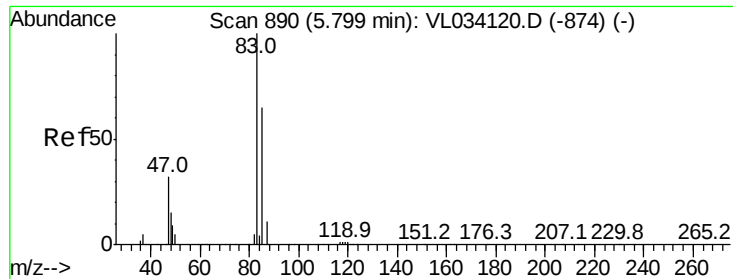
MMDadoda
9/12/2019 5:15:14 AM



#27
Carbon Disulfide
Concen: 0.753 ppbv
RT: 4.57 min Scan# 507
Delta R.T. -0.00 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Tgt Ion: 76 Resp: 71203
Ion Ratio Lower Upper
76 100
44 36.1 17.6 26.4#
78 9.8 7.3 10.9





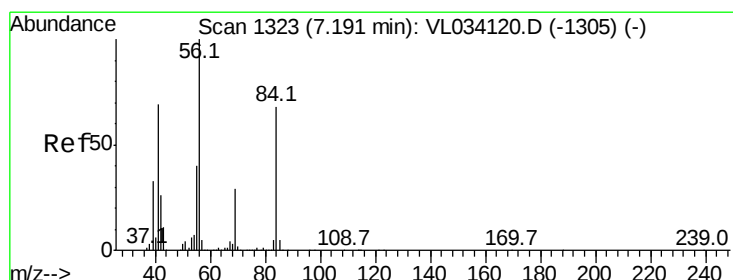
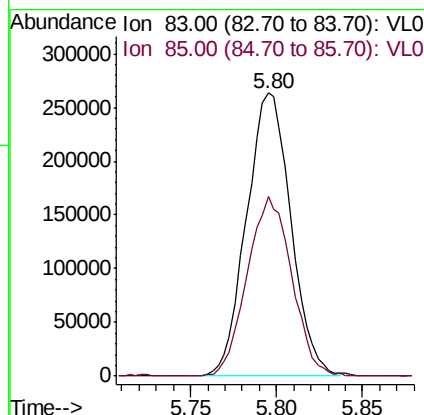
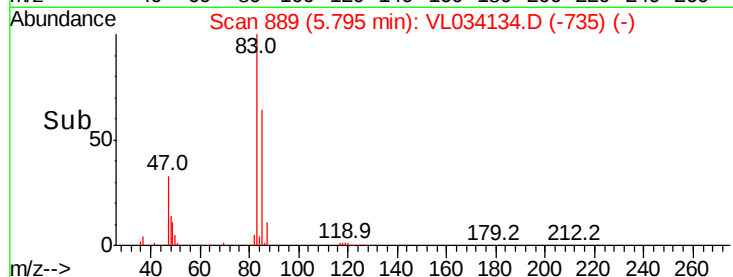
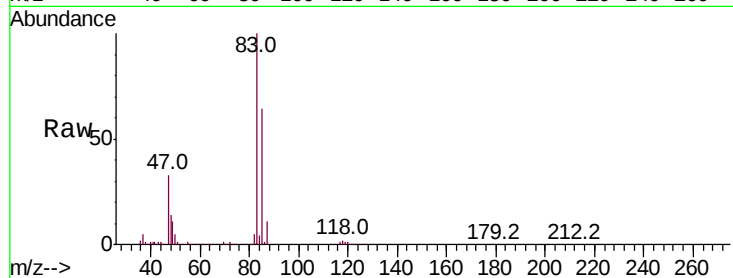
#29
Chloroform
Concen: 3.341 ppbv
RT: 5.80 min Scan# 889
Delta R.T. -0.00 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Instrument :
MSVOA_L
ClientSampled :
SOIL

Tot Ion: 83 Resp: 471945
Ion Ratio Lower Upper
83 100
85 63.5 51.8 77.6

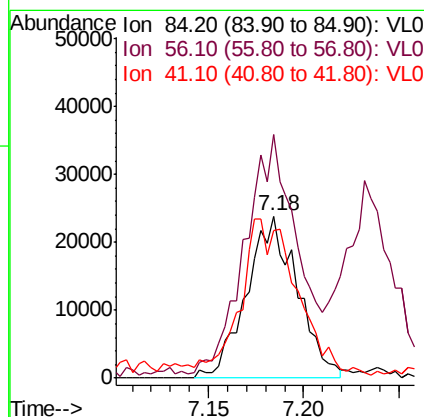
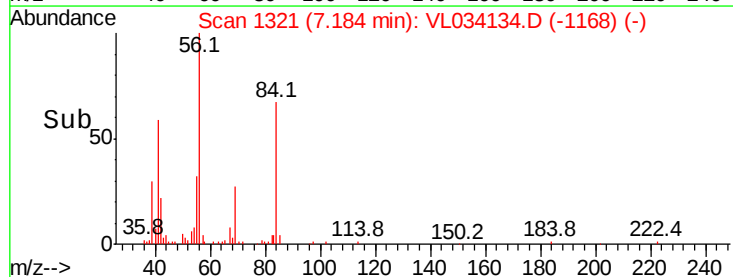
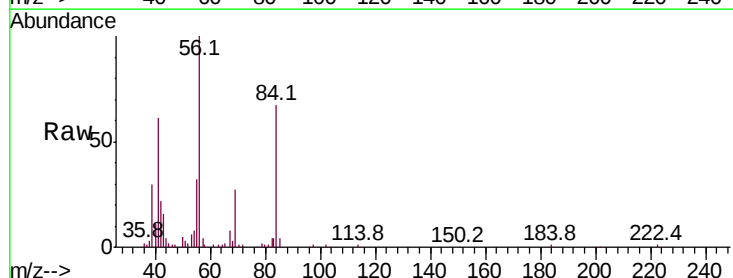
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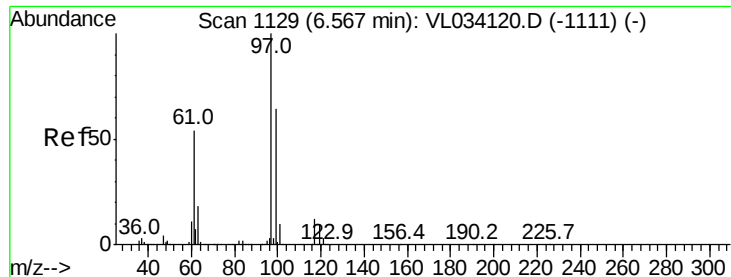
MMDadoda
9/12/2019 5:15:14 AM



#30
Cyclohexane
Concen: 0.584 ppbv m
RT: 7.18 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Tgt Ion: 84 Resp: 44254
Ion Ratio Lower Upper
84 100
56 154.7 122.6 183.8
41 112.6 79.1 118.7





#32

1,1,1-Trichloroethane

Concen: 0.088 ppbv m

RT: 6.56 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VL034134.D

Acq: 5 Sep 2019 13:32

Instrument :

MSVOA_L

ClientSampled :

SOIL

Tot Ion: 97 Resp: 11808

Ion Ratio Lower Upper

97 100

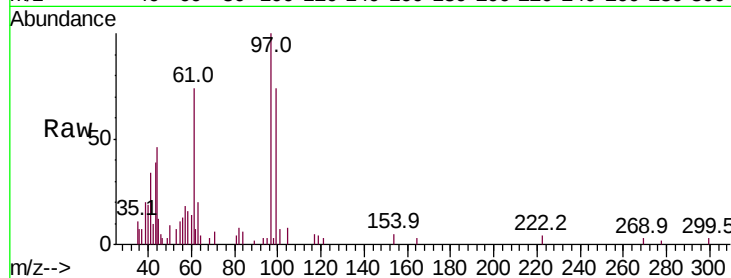
99 65.5 51.7 77.5

61 64.0 44.0 66.0

Manual Integrations
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MMDadoda

9/12/2019 5:15:14 AM

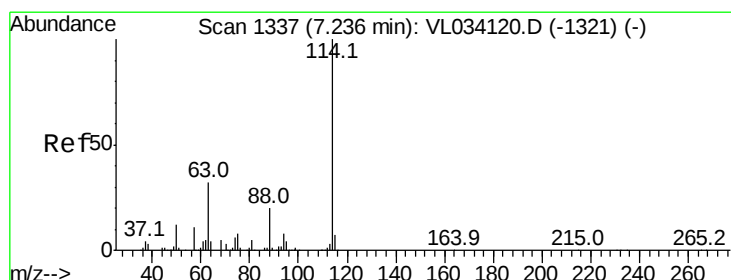
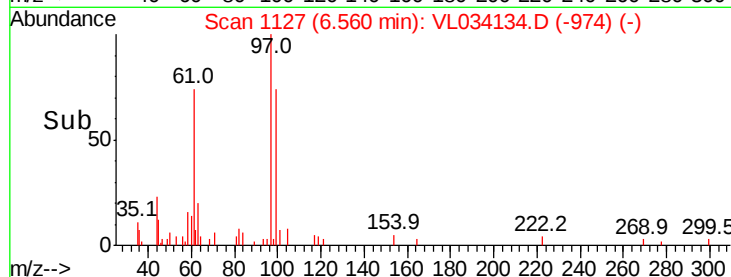
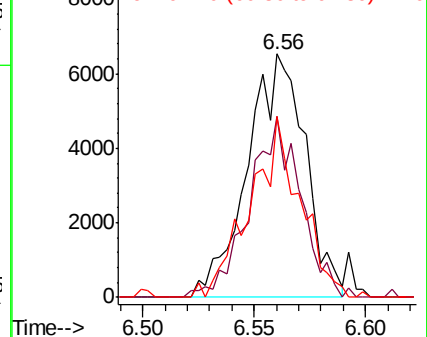


Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.24 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VL034134.D

Acq: 5 Sep 2019 13:32

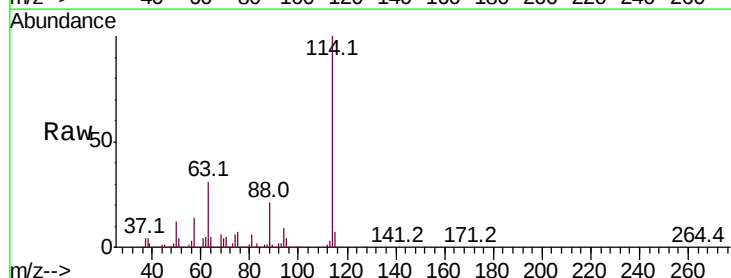
Tgt Ion: 114 Resp: 1711798

Ion Ratio Lower Upper

114 100

63 31.0 25.5 38.3

88 20.7 16.8 25.2

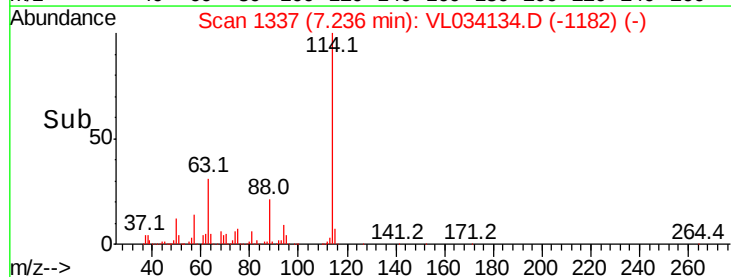
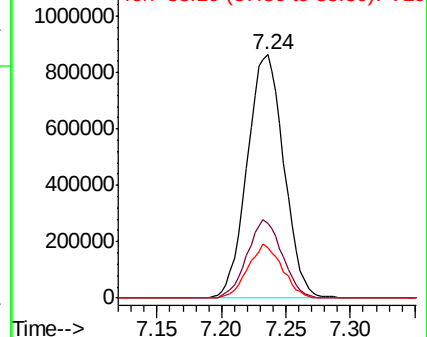


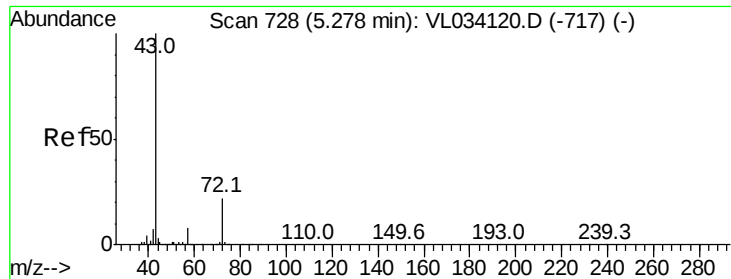
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





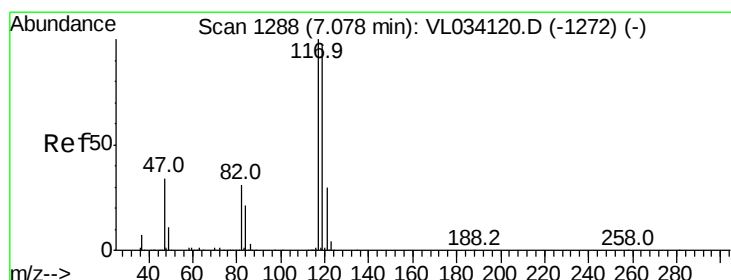
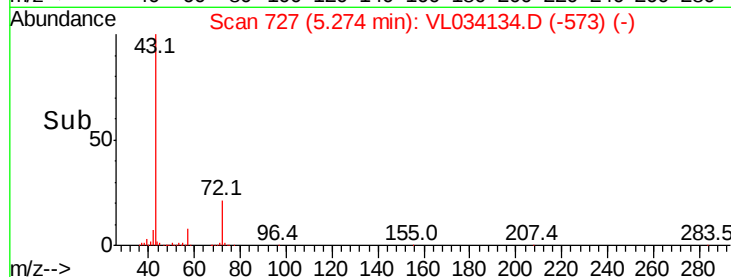
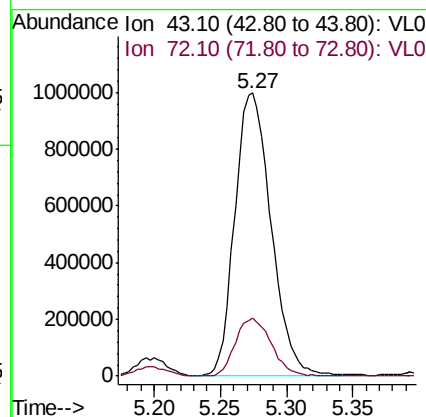
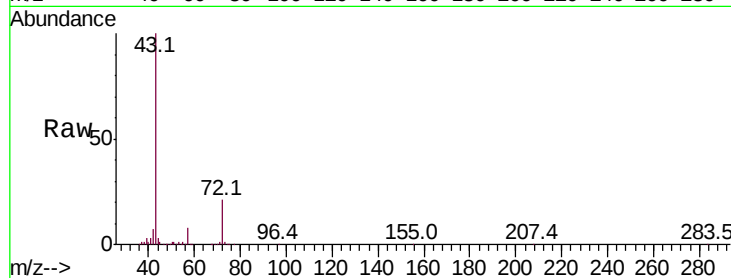
#34
2-Butanone
Concen: 11.442 ppbv
RT: 5.27 min Scan# 727
Delta R.T. -0.00 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Instrument :
MSVOA_L
ClientSampled :
SOIL

Tot Ion: 43 Resp: 1882965
Ion Ratio Lower Upper
43 100
72 20.4 16.5 24.7

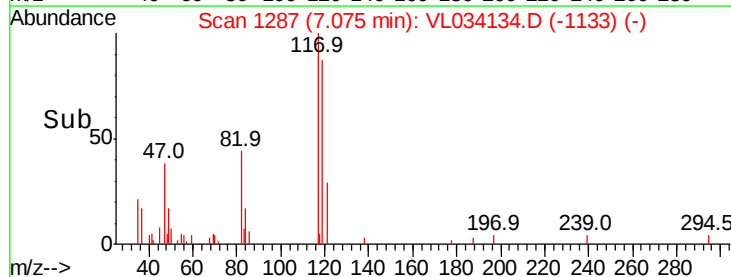
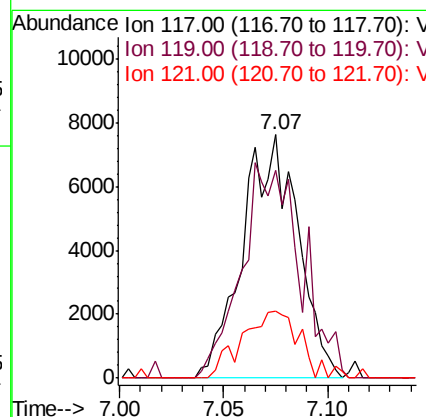
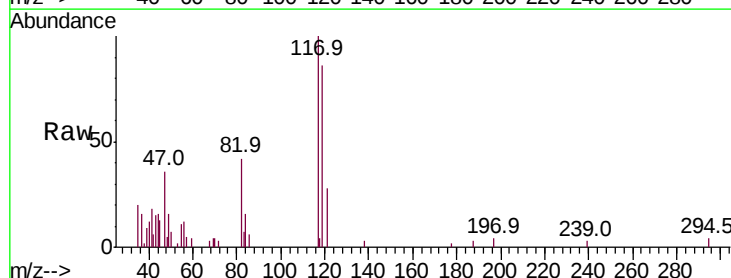
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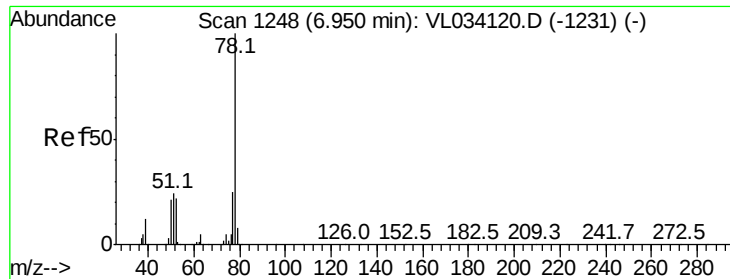
MMDadoda
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#35
Carbon Tetrachloride
Concen: 0.106 ppbv m
RT: 7.07 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Tgt Ion: 117 Resp: 14101
Ion Ratio Lower Upper
117 100
119 85.6 77.2 115.8
121 27.5 24.2 36.4





#36

Benzene

Concen: 0.378 ppbv

RT: 6.94 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VL034134.D

Acq: 5 Sep 2019 13:32

Instrument :

MSVOA_L

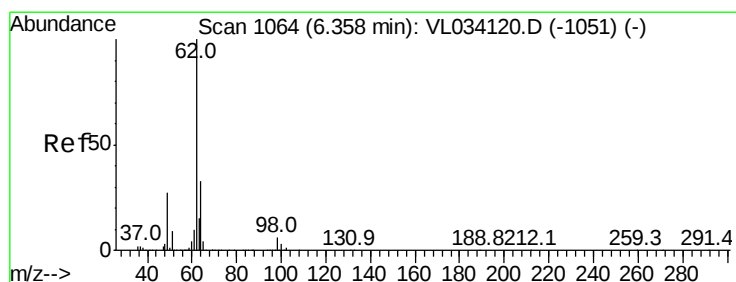
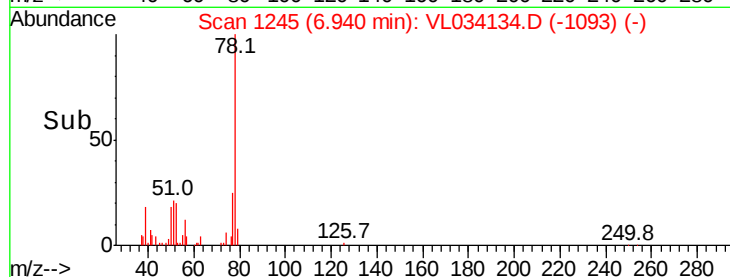
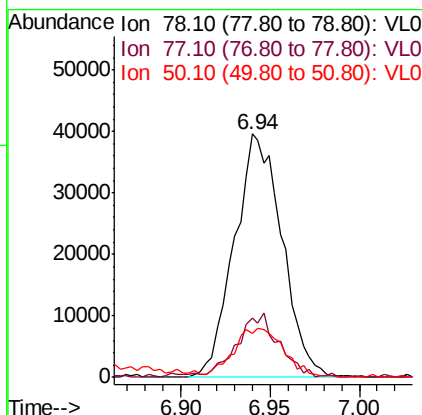
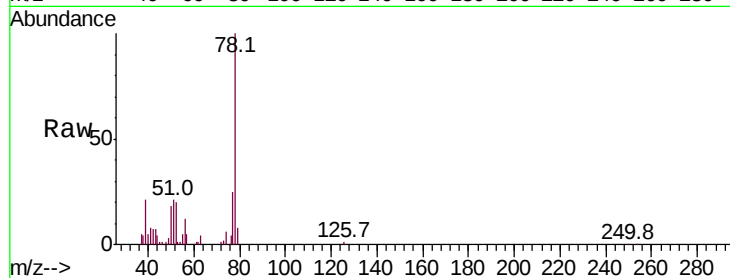
ClientSampled :

SOIL

Tot Ion:	78	Resp:	73985
Ion	Ratio	Lower	Upper
78	100		
77	24.6	20.3	30.5
50	18.0	16.9	25.3

Manual Integrations
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#37

1,2-Dichloroethane

Concen: 0.147 ppbv

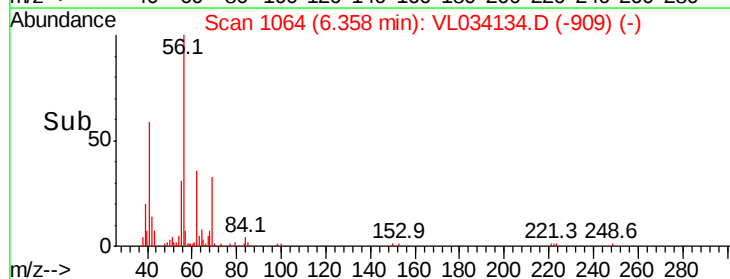
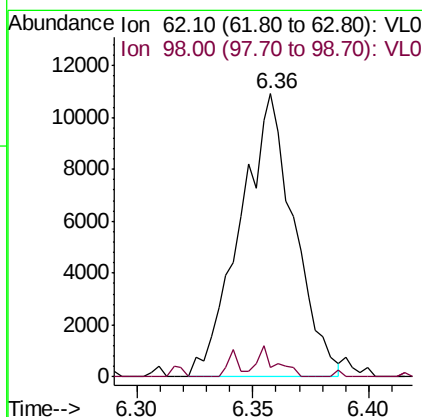
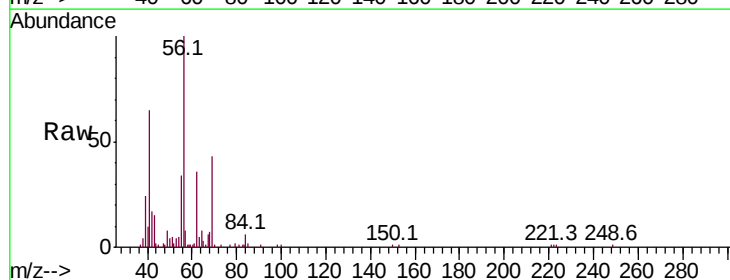
RT: 6.36 min Scan# 1064

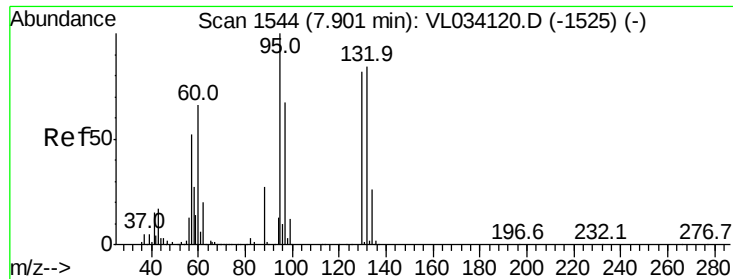
Delta R.T. -0.00 min

Lab File: VL034134.D

Acq: 5 Sep 2019 13:32

Tgt Ion:	62	Resp:	17616
Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.4	6.6





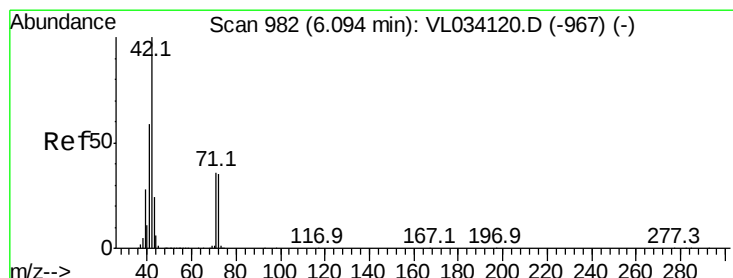
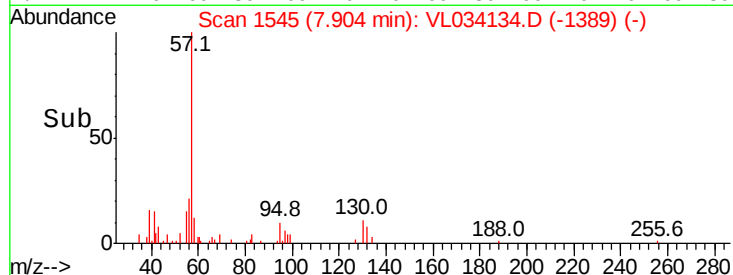
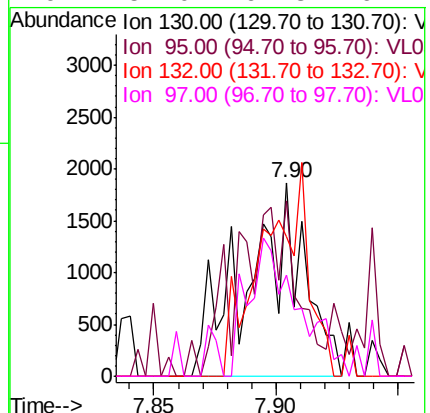
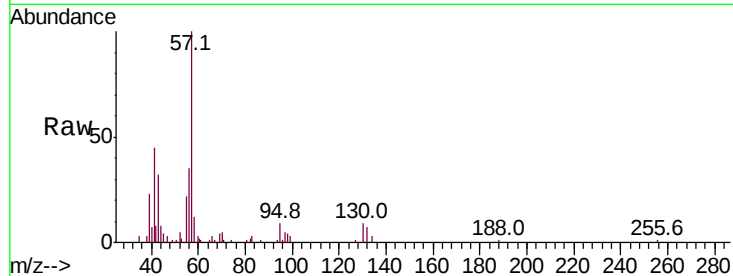
#38
 Trichloroethene
 Concen: 0.041 ppbv m
 RT: 7.90 min Scan# 1545
 Delta R.T. 0.00 min
 Lab File: VL034134.D
 Acq: 5 Sep 2019 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 SOIL

Tot Ion	Ratio	Resp	Lower	Upper
130	100			
95	90.5	97.2	145.8#	
132	72.1	81.4	122.2#	
97	52.0	64.8	97.2#	

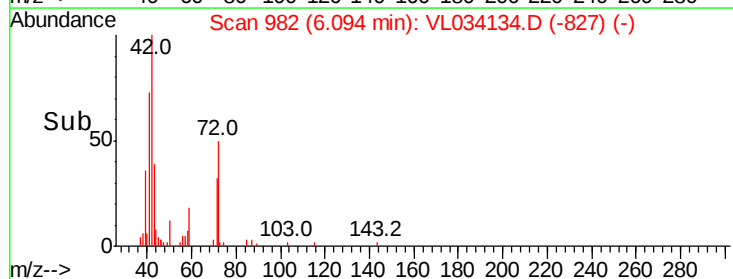
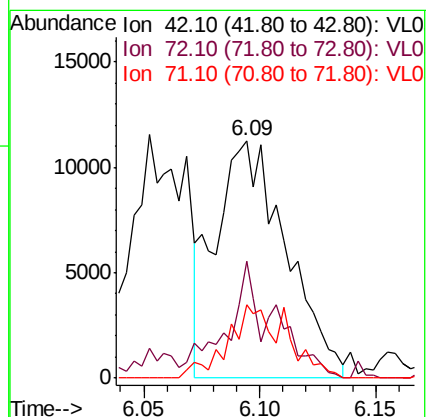
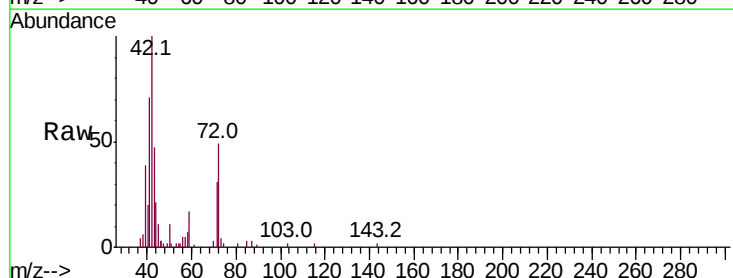
Manual Integrations
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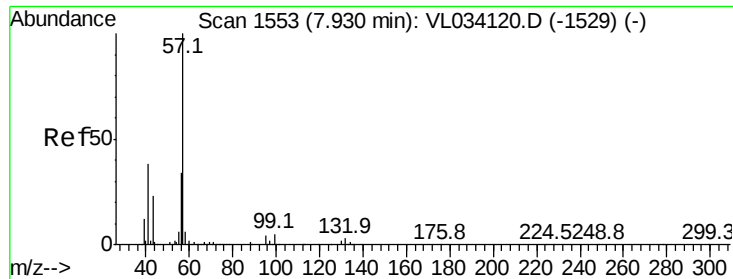
MMDadoda
 9/12/2019 5:15:14 AM



#41
 Tetrahydrofuran
 Concen: 0.242 ppbv m
 RT: 6.09 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VL034134.D
 Acq: 5 Sep 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
42	100			
72	39.9	27.7	41.5	
71	25.6	26.7	40.1#	





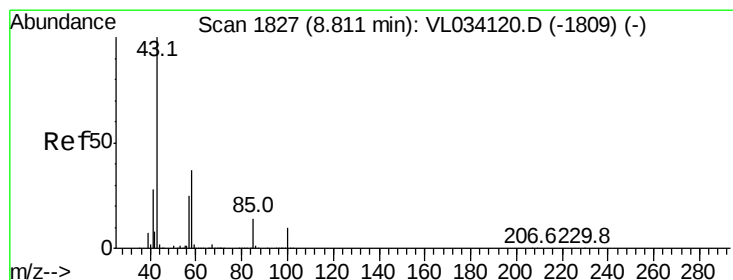
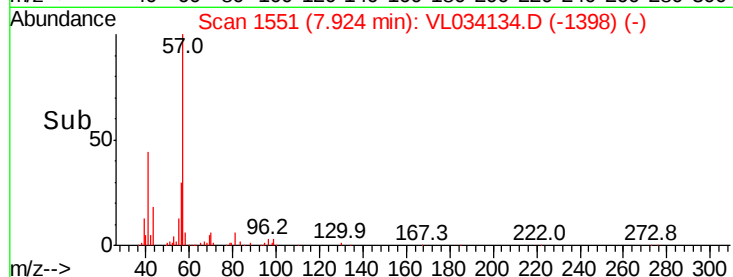
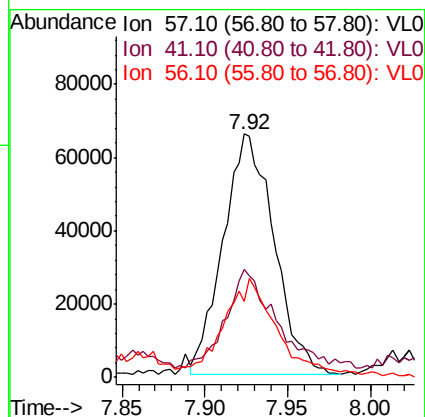
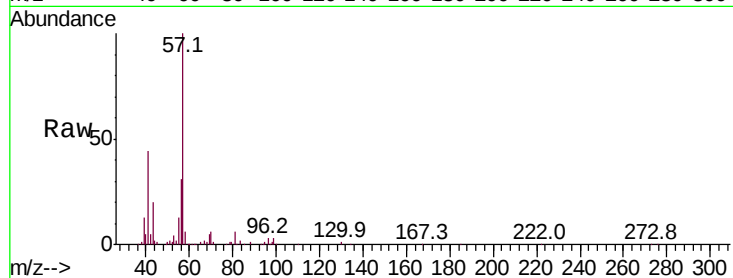
#44
 2,2,4-Trimethylpentane
 Concen: 0.388 ppbv
 RT: 7.92 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: VL034134.D
 Acq: 5 Sep 2019 13:32

Instrument :
 MSVOA_L
 ClientSampled :
 SOIL

Tot Ion	Ratio	Lower	Upper
57	100		
41	46.3	28.4	42.6#
56	45.3	26.3	39.5#

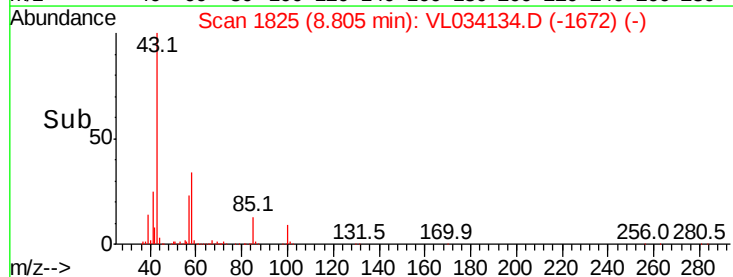
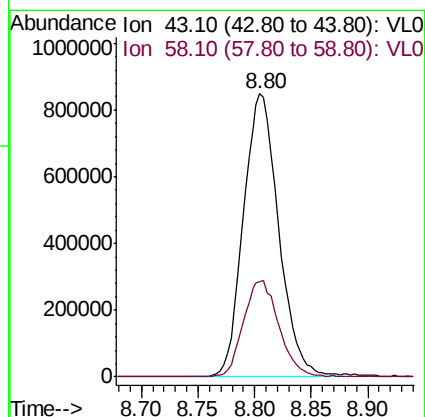
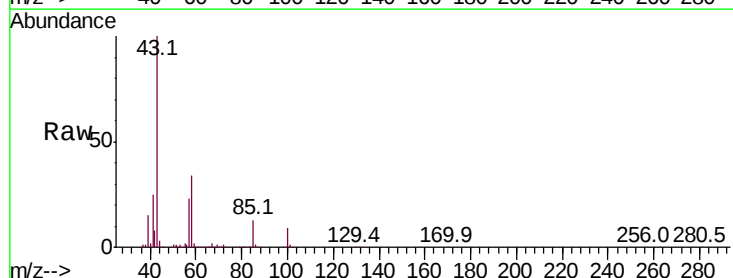
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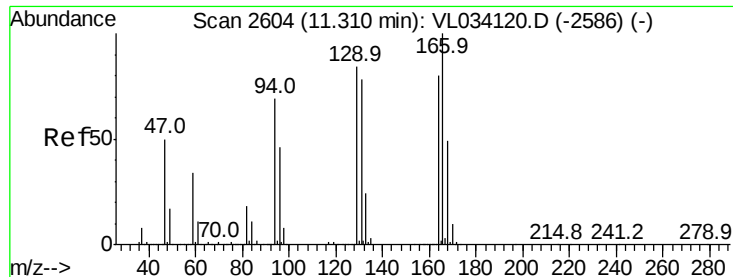
MMDadoda
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#50
 4-Methyl-2-Pentanone
 Concen: 7.312 ppbv
 RT: 8.80 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: VL034134.D
 Acq: 5 Sep 2019 13:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.5	42.7





#52

Tetrachloroethene

Concen: 0.145 ppbv m

RT: 11.32 min Scan# 2606

Delta R.T. 0.01 min

Lab File: VL034134.D

Acq: 5 Sep 2019 13:32

Instrument :

MSVOA_L

ClientSampled :

SOIL

Tot Ion:164 Resp: 9996

Ion Ratio Lower Upper

164 100

166 56.8 99.5 149.3#

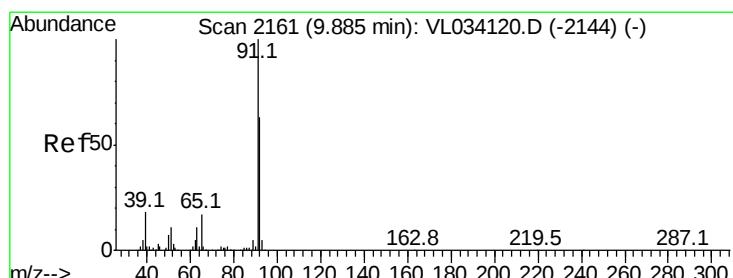
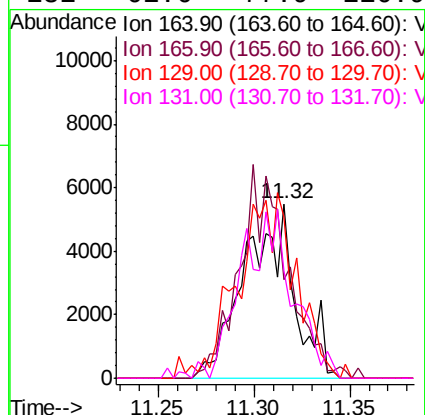
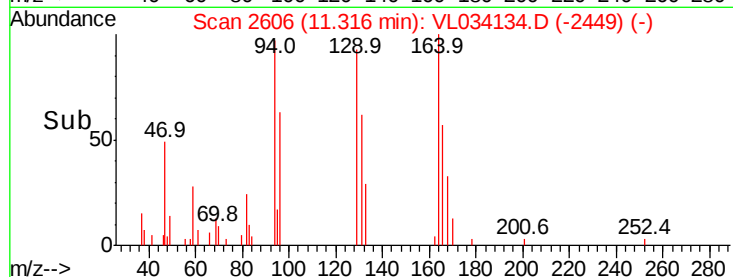
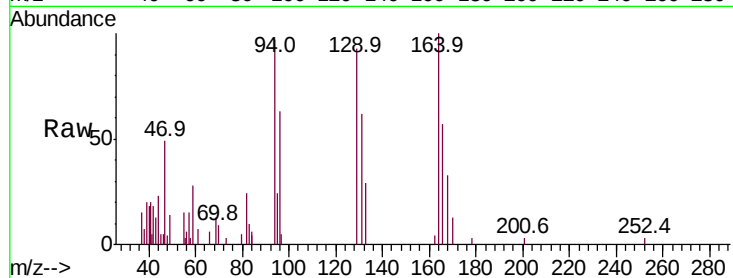
129 92.8 83.6 125.4

131 61.6 77.9 116.9#

Manual Integrations
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MMDadoda

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#53

Toluene

Concen: 14.310 ppbv

RT: 9.88 min Scan# 2160

Delta R.T. -0.00 min

Lab File: VL034134.D

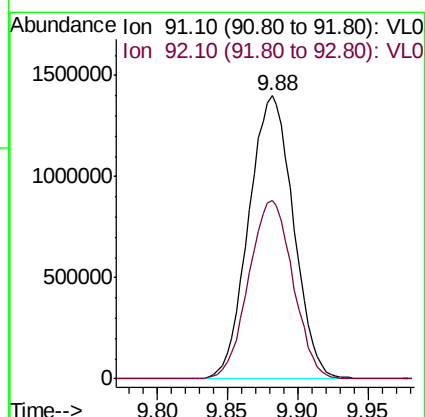
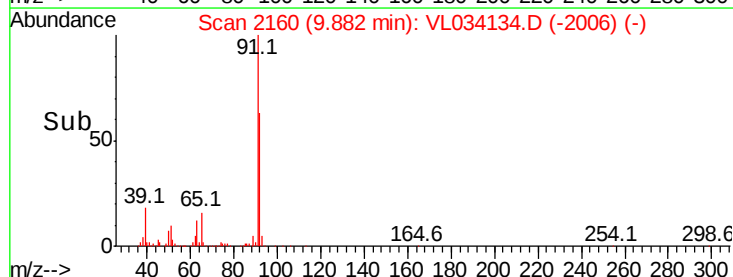
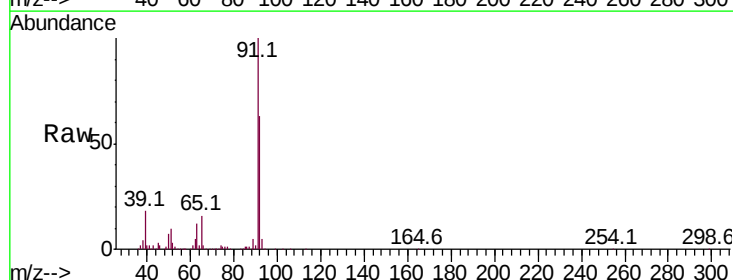
Acq: 5 Sep 2019 13:32

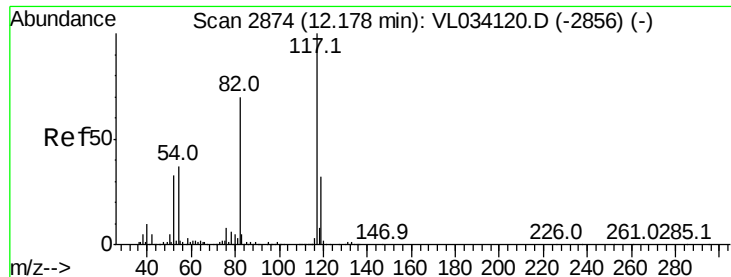
Tgt Ion: 91 Resp: 3096801

Ion Ratio Lower Upper

91 100

92 62.6 49.3 73.9





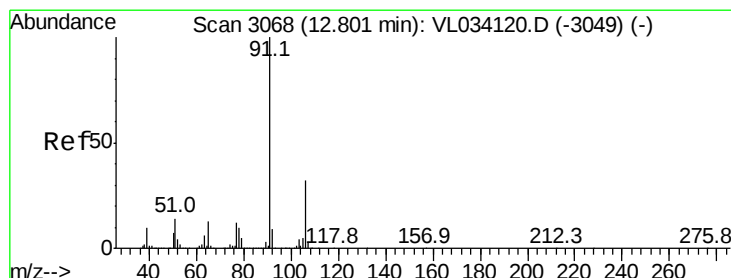
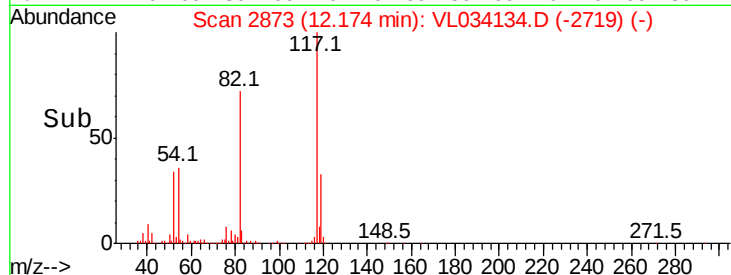
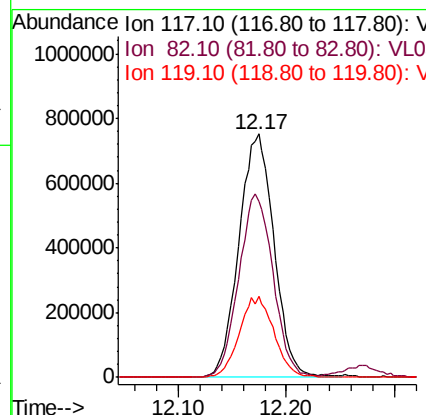
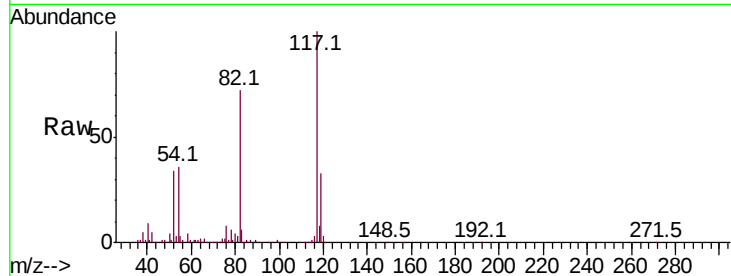
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :
SOIL

Tot Ion	Ratio	Lower	Upper
117	100		
82	73.6	55.8	83.6
119	33.1	43.1	64.7

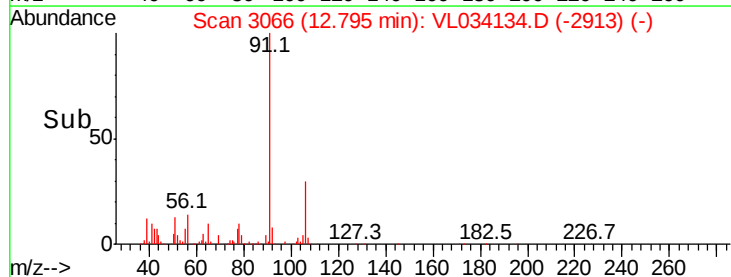
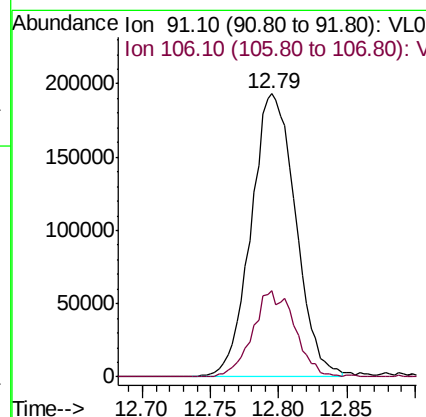
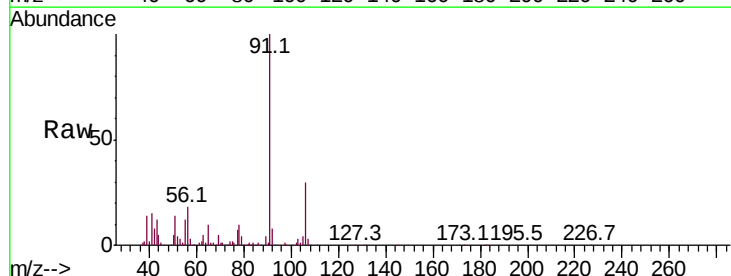
Manual Integrations
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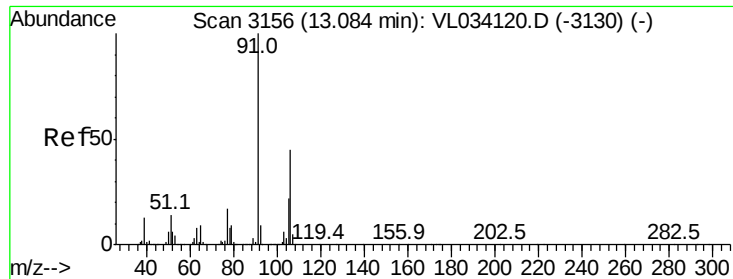
MMDadoda
9/12/2019 5:15:14 AM



#58
Ethyl Benzene
Concen: 1.567 ppbv
RT: 12.79 min Scan# 3066
Delta R.T. -0.01 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.3	37.9





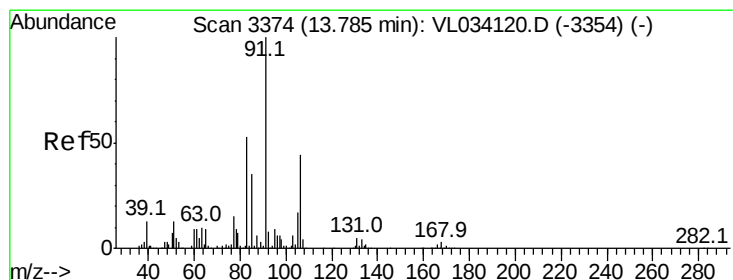
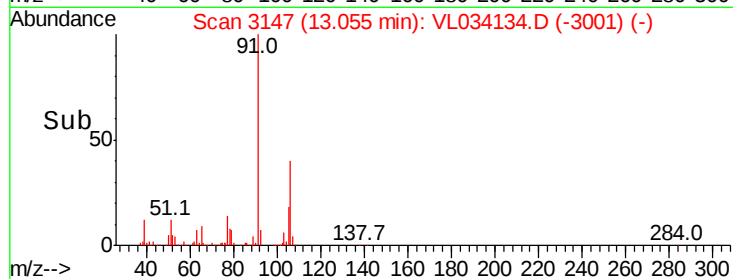
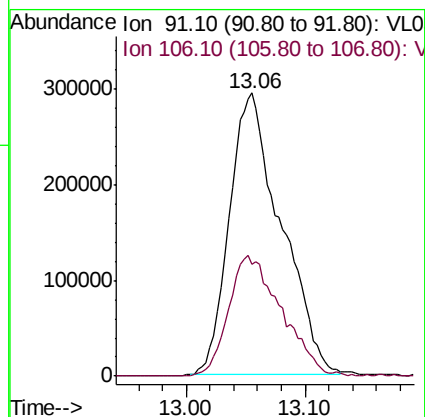
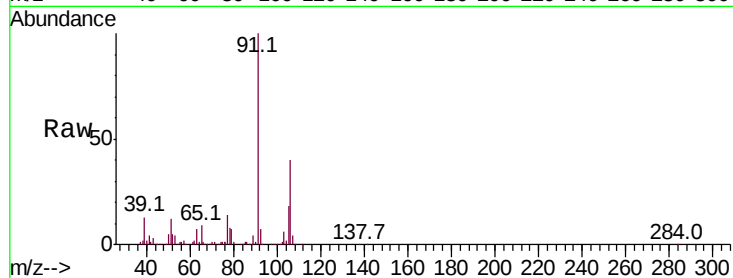
#59
m/p-Xylene
Concen: 3.853 ppbv
RT: 13.06 min Scan# 3147
Delta R.T. -0.03 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Instrument :
MSVOA_L
ClientSampled :
SOIL

Tot Ion: 91 Resp: 879330
Ion Ratio Lower Upper
91 100
106 44.2 35.4 53.2

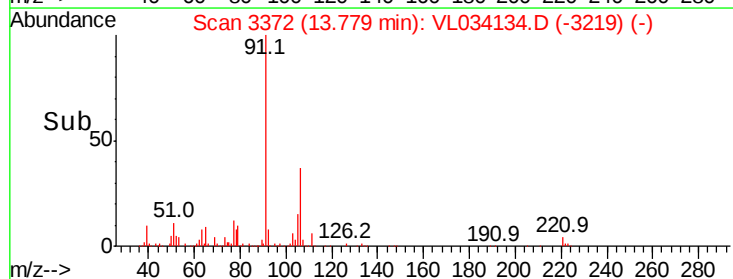
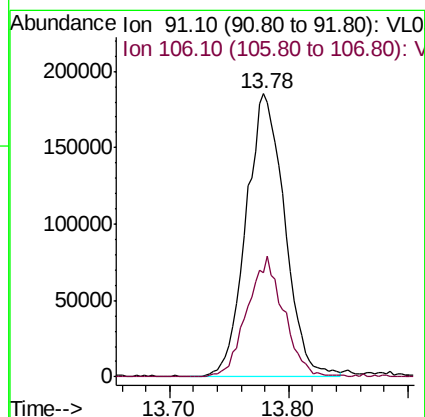
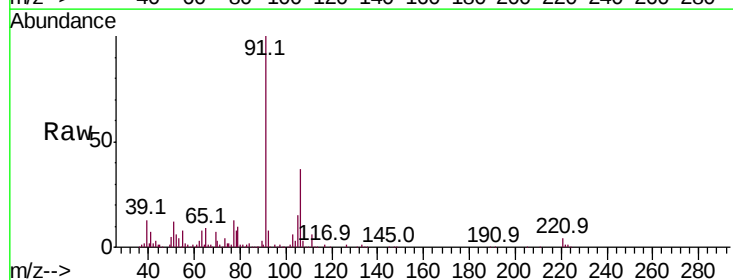
Manual Integrations
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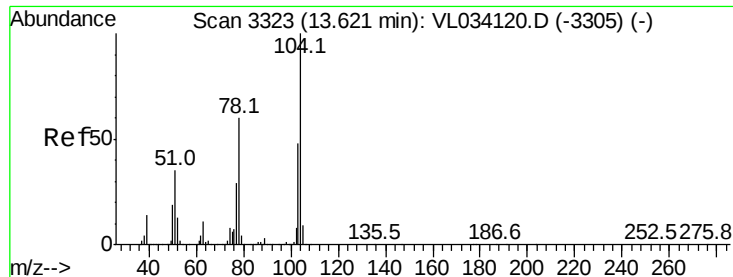
MMDadoda
9/12/2019 5:15:14 AM



#60
o-Xylene
Concen: 1.833 ppbv
RT: 13.78 min Scan# 3372
Delta R.T. -0.01 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Tgt Ion: 91 Resp: 416701
Ion Ratio Lower Upper
91 100
106 40.6 21.4 64.3





#61

Stvrene

Concen: 0.800 ppbv m

RT: 13.62 min Scan# 3322

Delta R.T. -0.00 min

Lab File: VL034134.D

Acq: 5 Sep 2019 13:32

Instrument :

MSVOA_L

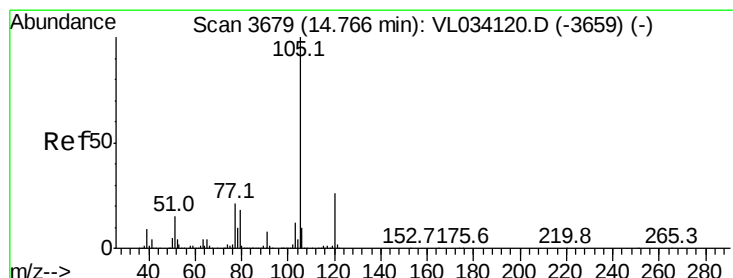
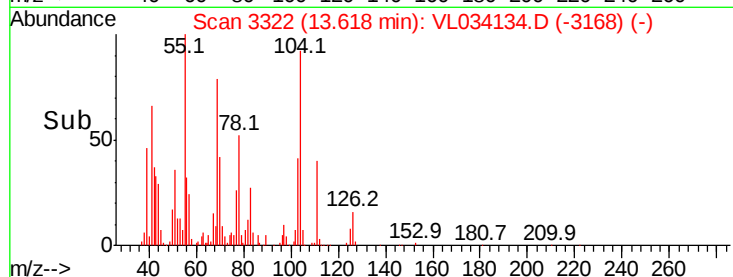
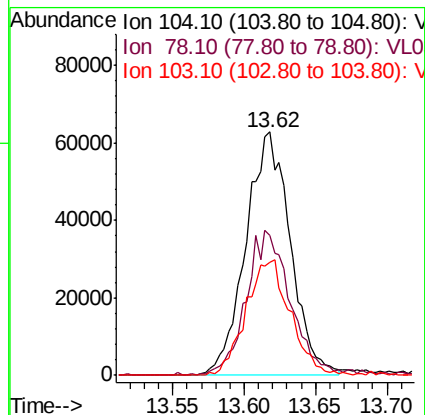
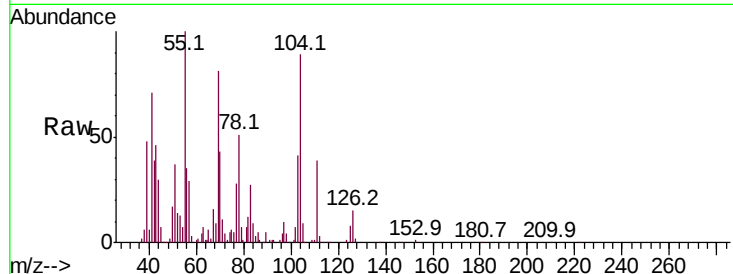
ClientSampled :

SOIL

Tot Ion:	104	Resp:	136087
Ion Ratio	Lower	Upper	
104	100		
78	60.4	47.8	71.6
103	47.2	38.7	58.1

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#62

Isopropylbenzene

Concen: 0.209 ppbv m

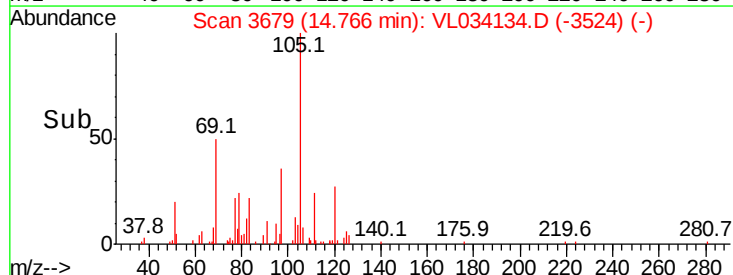
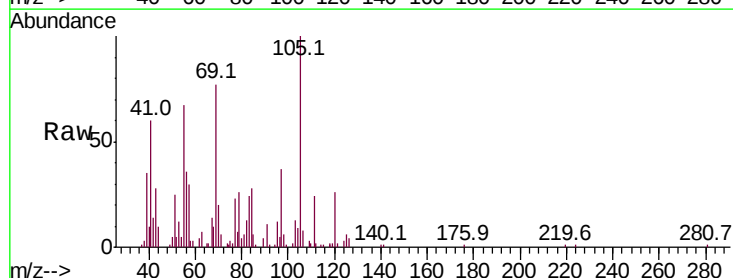
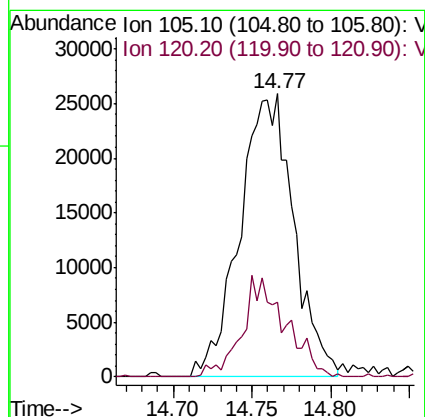
RT: 14.77 min Scan# 3679

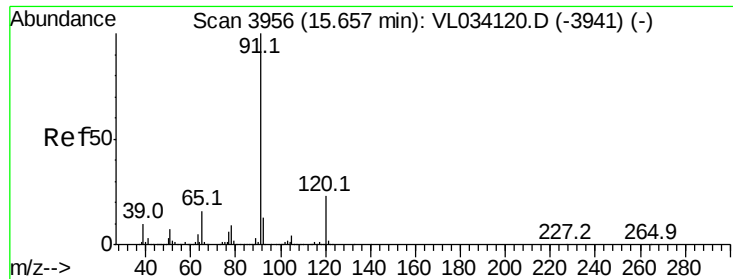
Delta R.T. -0.00 min

Lab File: VL034134.D

Acq: 5 Sep 2019 13:32

Tgt Ion:	105	Resp:	61840
Ion Ratio	Lower	Upper	
105	100		
120	0.0	20.6	31.0#





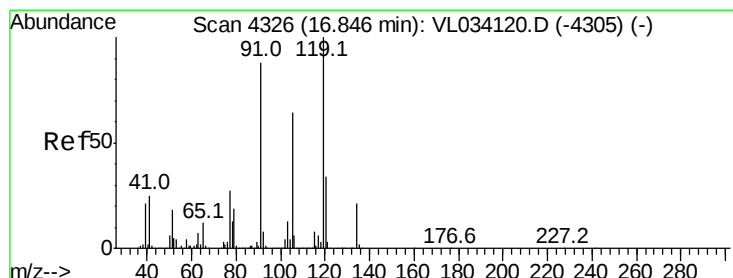
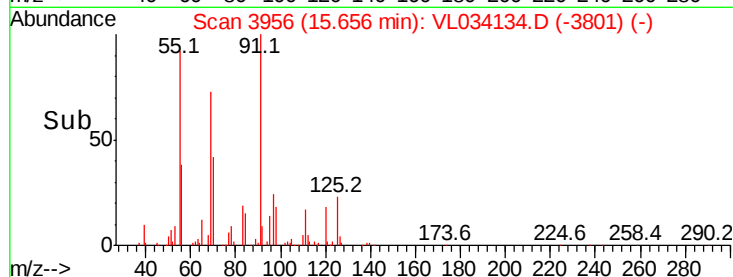
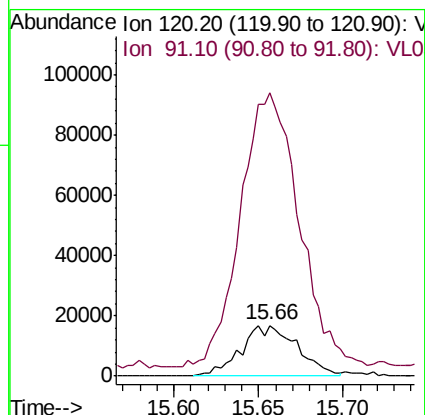
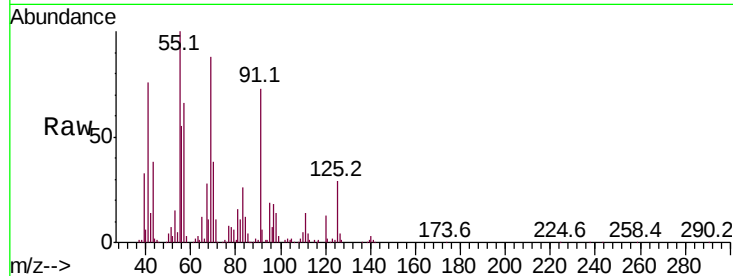
#64
n-propylbenzene
Concen: 0.528 ppbv m
RT: 15.66 min Scan# 3956
Delta R.T. -0.00 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Instrument :
MSVOA_L
ClientSampled :
SOIL

Tot Ion:120 Resp: 39129
Ion Ratio Lower Upper
120 100
91 637.8 376.8 565.2#

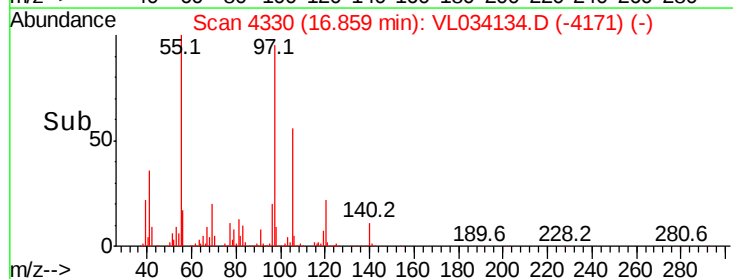
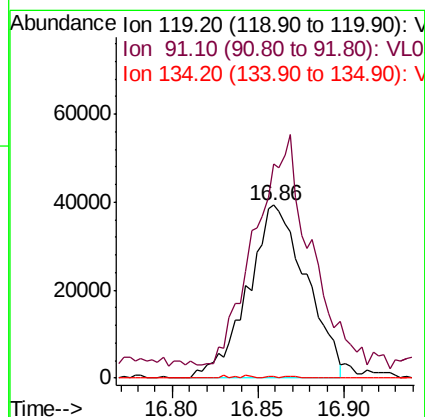
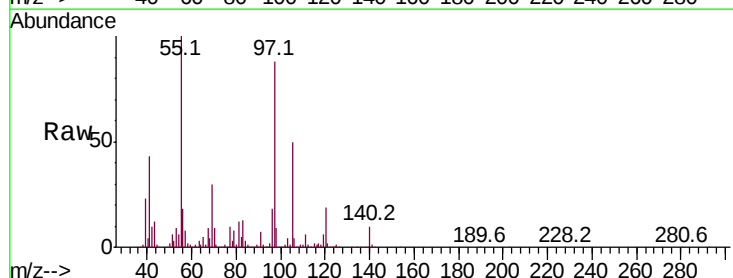
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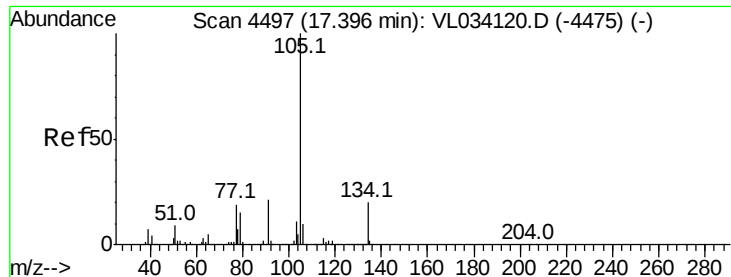
MMDadoda
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#65
tert-Butylbenzene
Concen: 0.363 ppbv
RT: 16.86 min Scan# 4330
Delta R.T. 0.01 min
Lab File: VL034134.D
Acq: 5 Sep 2019 13:32

Tgt Ion:119 Resp: 92709
Ion Ratio Lower Upper
119 100
91 127.1 72.8 109.2#
134 0.0 15.8 23.8#





#67

sec-Butylbenzene

Concen: 0.188 ppbv m

RT: 17.40 min Scan# 4497

Delta R.T. -0.00 min

Lab File: VL034134.D

Acq: 5 Sep 2019 13:32

Instrument :

MSVOA_L

ClientSampled :

SOIL

Tot Ion:105 Resp: 68977

Ion Ratio Lower Upper

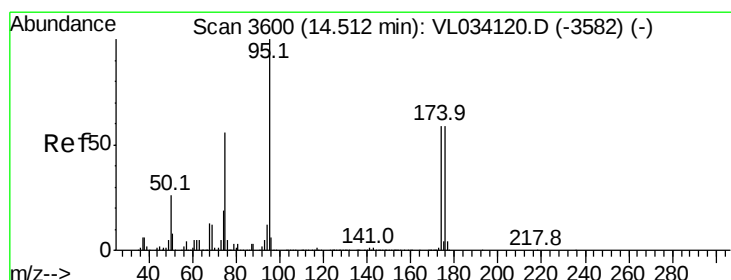
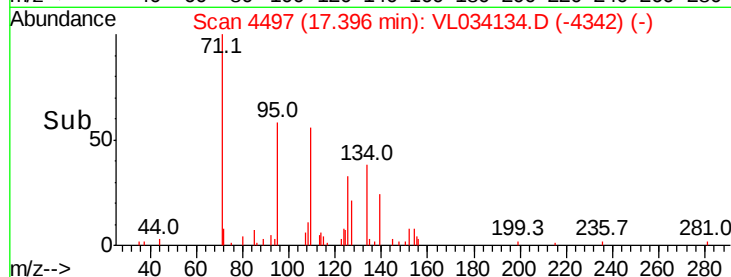
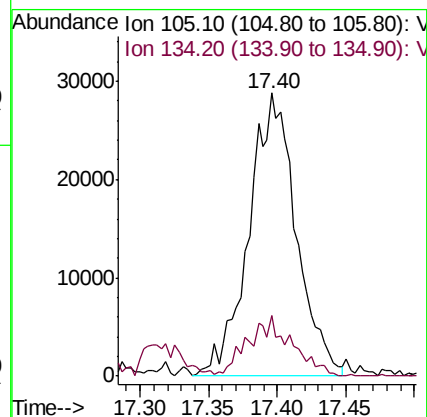
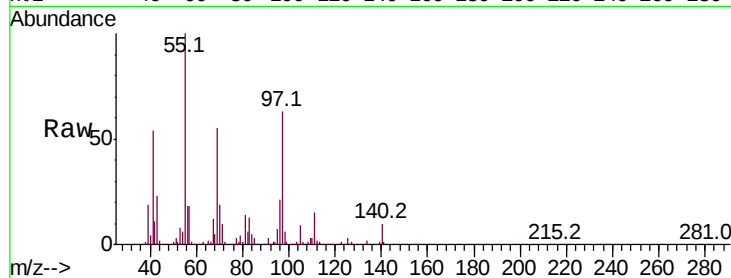
105 100

134 19.7 15.0 22.4

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.673 ppbv

RT: 14.51 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VL034134.D

Acq: 5 Sep 2019 13:32

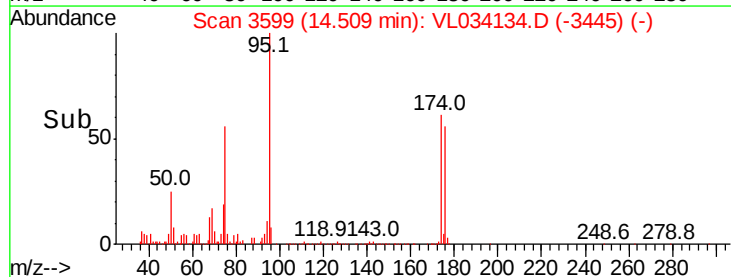
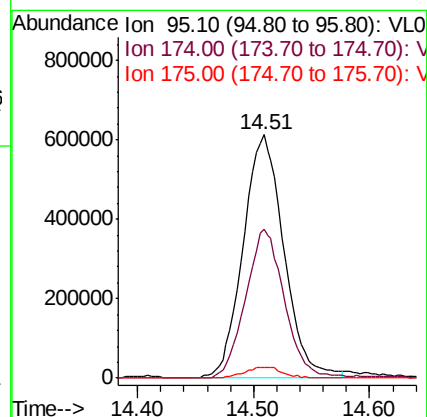
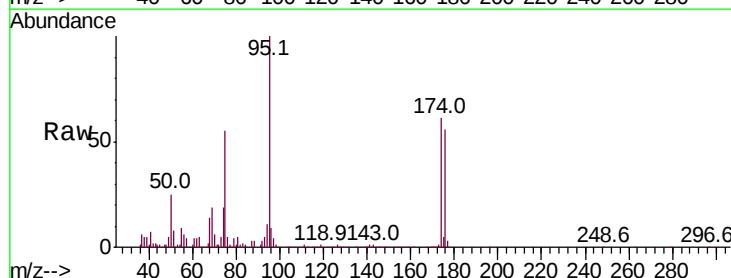
Tgt Ion: 95 Resp: 1488772

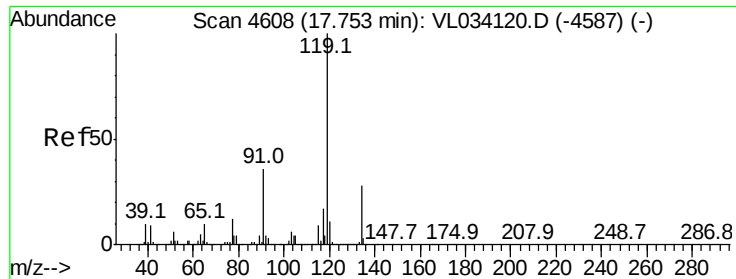
Ion Ratio Lower Upper

95 100

174 59.5 48.1 72.1

175 4.3 3.5 5.3





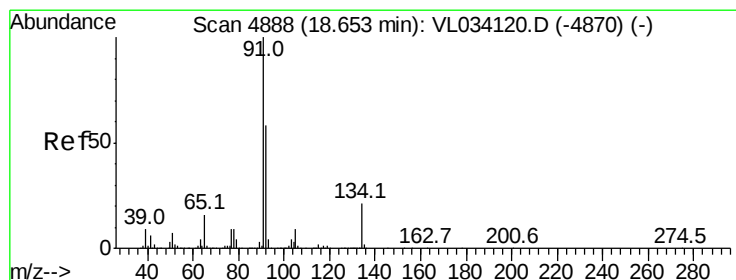
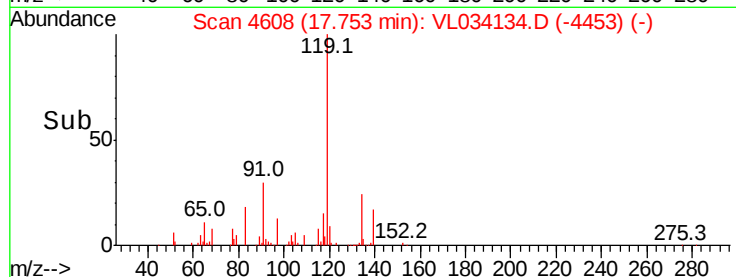
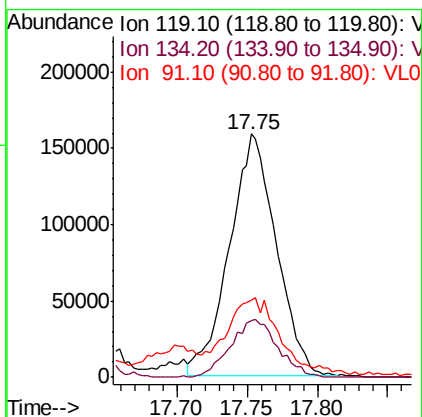
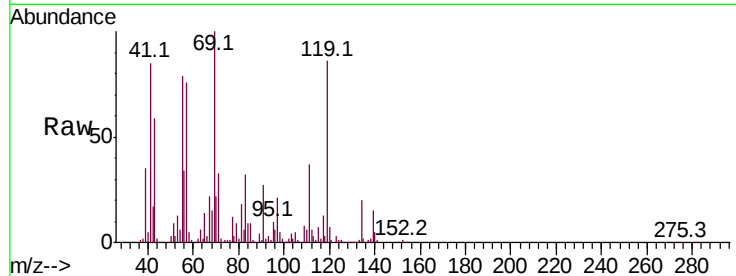
#69
 p-Isopropyltoluene
 Concen: 1.251 ppbv
 RT: 17.75 min Scan# 4608
 Delta R.T. -0.00 min
 Lab File: VL034134.D
 Acq: 5 Sep 2019 13:32

Instrument :
 MSVOA_L
 ClientSampled :
 SOIL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	367513		
134	24.5	20.8	31.2	
91	51.0	27.2	40.8#	

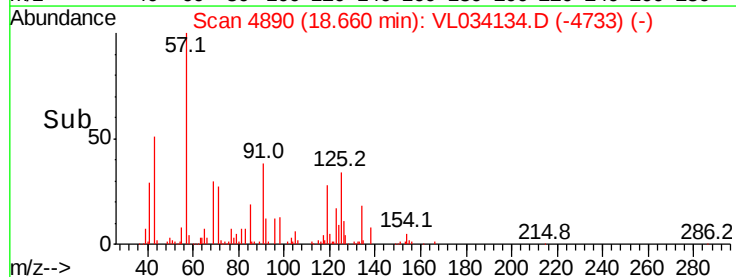
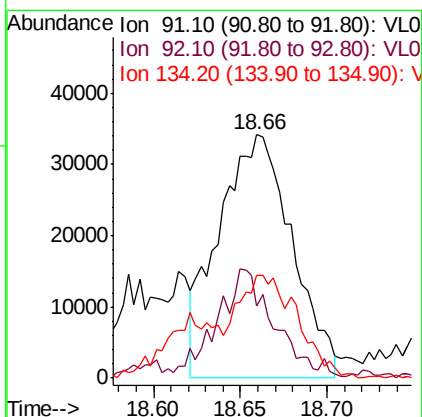
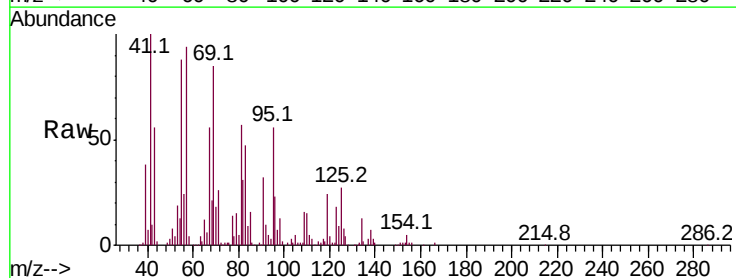
Manual Integrations
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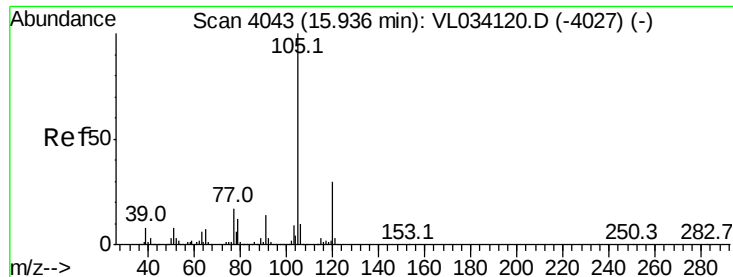
MMDadoda
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#70
 n-Butylbenzene
 Concen: 0.302 ppbv m
 RT: 18.66 min Scan# 4890
 Delta R.T. 0.01 min
 Lab File: VL034134.D
 Acq: 5 Sep 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	100925		
92	36.9	45.3	67.9#	
134	0.0	17.4	26.0#	





#72

4-Ethyltoluene

Concen: 1.010 ppbv

RT: 15.93 min Scan# 4042

Delta R.T. -0.00 min

Lab File: VL034134.D

Acq: 5 Sep 2019 13:32

Instrument :

MSVOA_L

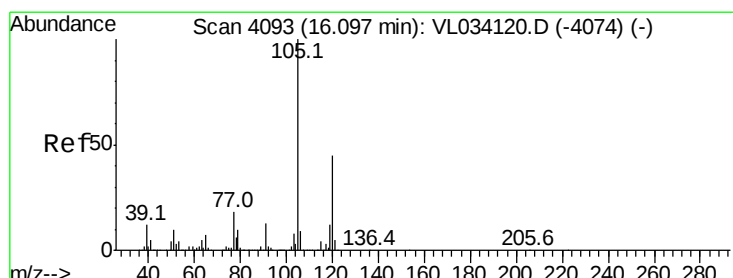
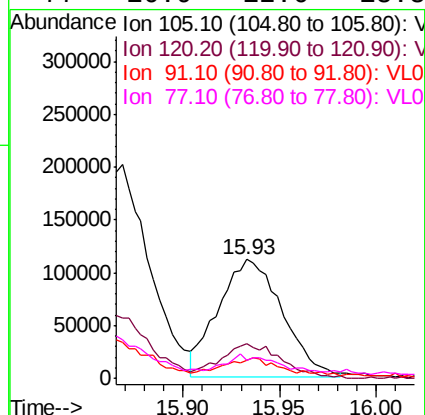
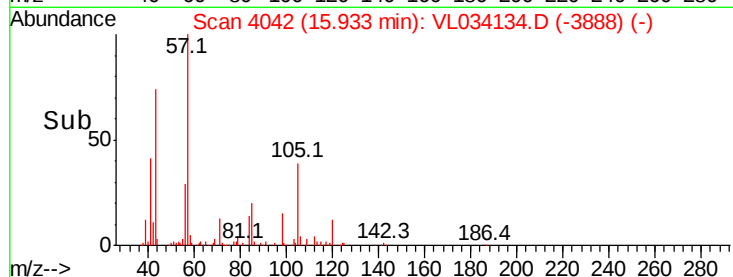
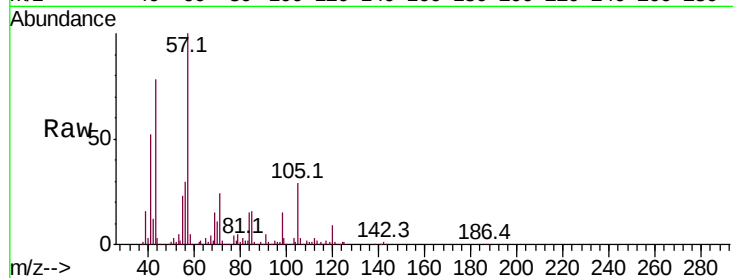
ClientSampled :

SOIL

Tot Ion:	105	Resp:	259156
Ion Ratio	Lower	Upper	
105	100		
120	28.2	23.8	35.6
91	16.1	11.4	17.0
77	16.9	12.6	18.8

Manual Integrations
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#73

1,3,5-Trimethylbenzene

Concen: 1.028 ppbv

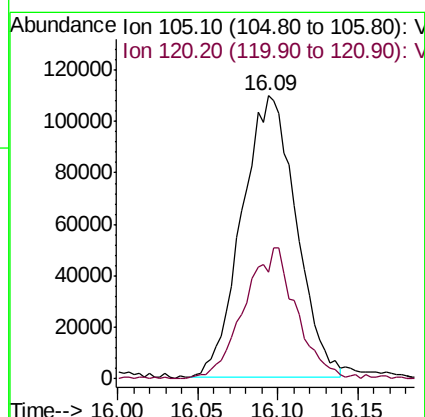
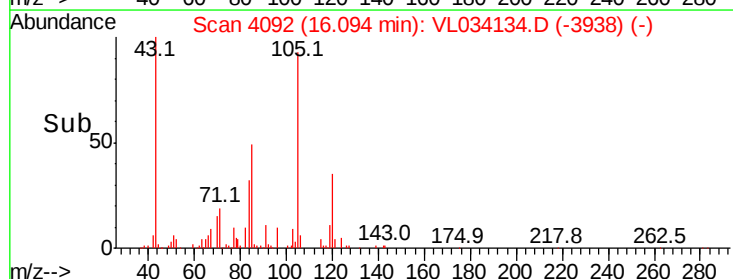
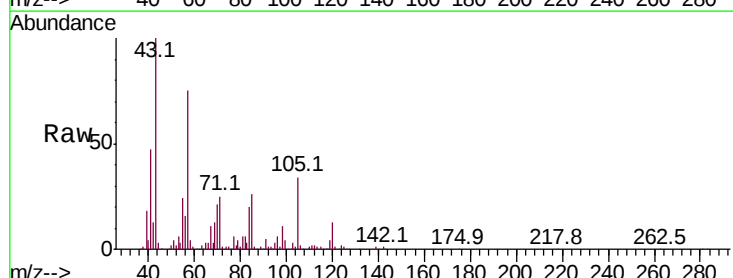
RT: 16.09 min Scan# 4092

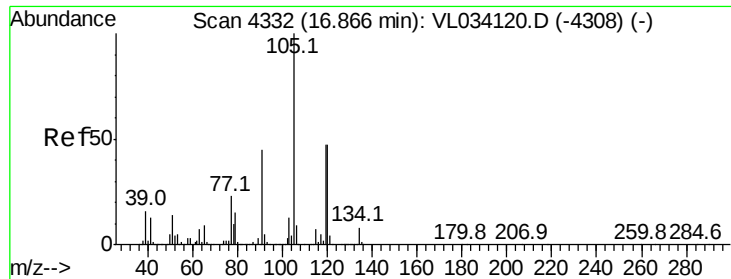
Delta R.T. -0.00 min

Lab File: VL034134.D

Acq: 5 Sep 2019 13:32

Tgt Ion:	105	Resp:	256322
Ion Ratio	Lower	Upper	
105	100		
120	37.5	35.8	53.8





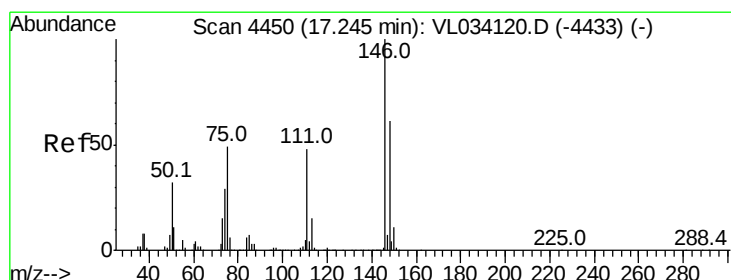
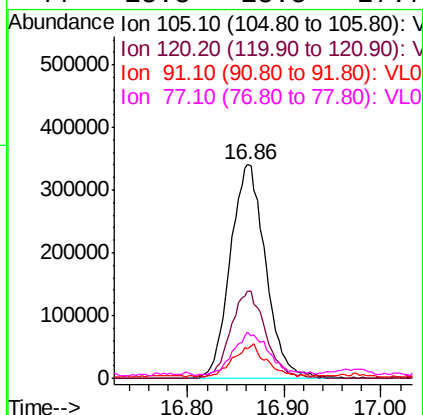
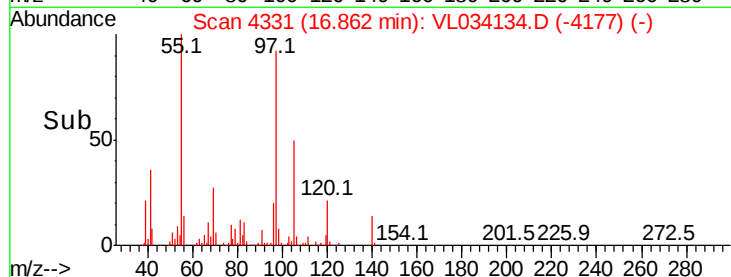
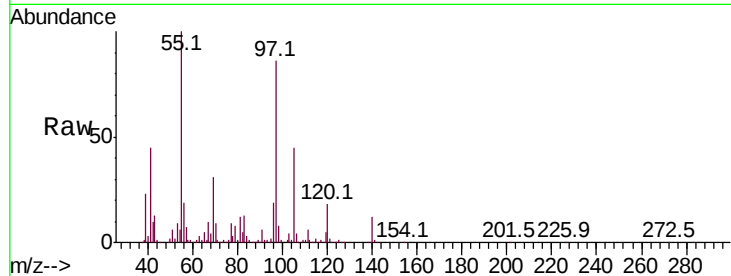
#74
 1,2,4-Trimethylbenzene
 Concen: 3.342 ppbv
 RT: 16.86 min Scan# 4331
 Delta R.T. -0.00 min
 Lab File: VL034134.D
 Acq: 5 Sep 2019 13:32

Instrument :
 MSVOA_L
 ClientSampled :
 SOIL

Tot Ion	Ratio	Lower	Upper
105	100		
120	40.9	37.7	56.5
91	12.9	36.2	54.2#
77	18.8	18.5	27.7

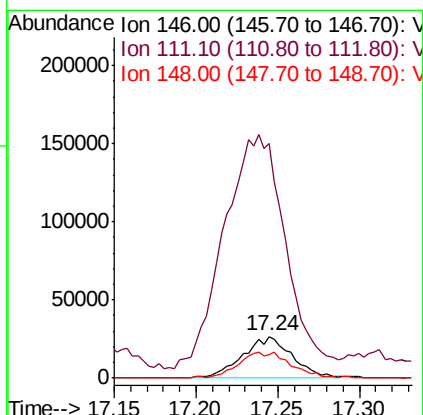
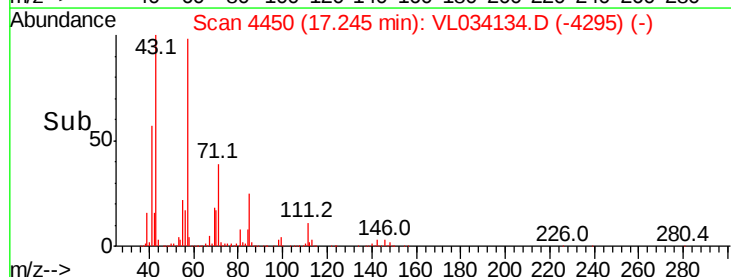
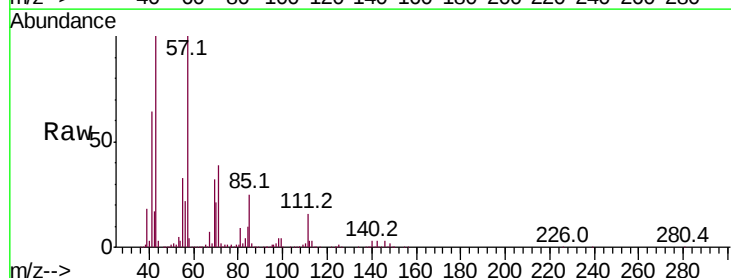
Manual Integrations
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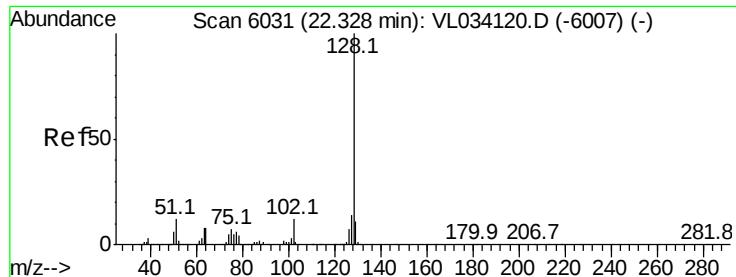
MMDadoda
 9/12/2019 5:15:14 AM



#76
 1,4-Dichlorobenzene
 Concen: 0.389 ppbv m
 RT: 17.24 min Scan# 4450
 Delta R.T. -0.00 min
 Lab File: VL034134.D
 Acq: 5 Sep 2019 13:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	690.3	24.3	72.8#
148	0.0	32.6	98.0#





#79

Naphthalene

Concen: 0.149 ppbv m

RT: 22.33 min Scan# 6031

Delta R.T. -0.00 min

Lab File: VL034134.D

Acq: 5 Sep 2019 13:32

Instrument :

MSVOA_L

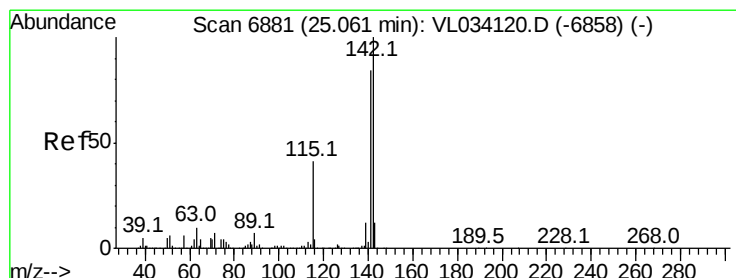
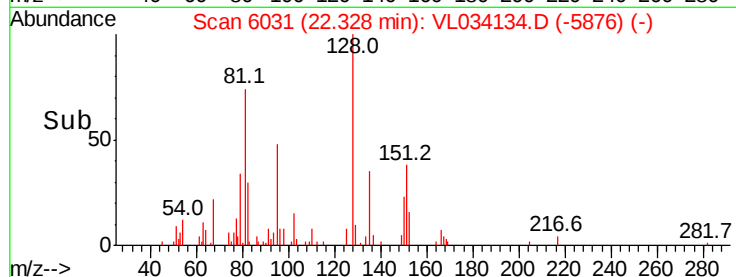
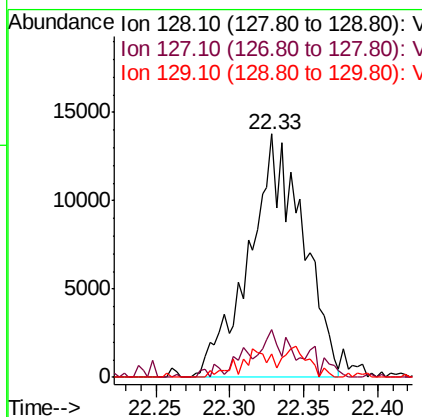
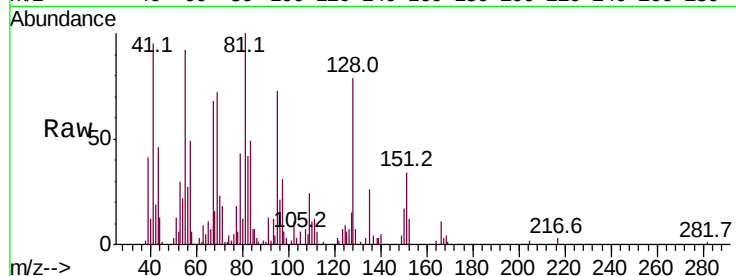
ClientSampled :

SOIL

Tot Ion:	128	Resp:	34643
Ion Ratio	Lower	Upper	
128	100		
127	19.4	10.9	16.3#
129	9.5	8.5	12.7

Manual Integrations
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#80

Naphthalene, 2-methyl-

Concen: 0.160 ppbv

RT: 25.06 min Scan# 6882

Delta R.T. 0.00 min

Lab File: VL034134.D

Acq: 5 Sep 2019 13:32

Tgt Ion:	142	Resp:	12883
Ion Ratio	Lower	Upper	
142	100		
141	70.7	67.6	101.4
115	51.1	34.6	52.0

