

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010338.D
 Acq On : 09 May 2019 15:55
 Operator : SY/VA
 Sample : K2551-22
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOIL

Manual Integrations
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 5/10/2019 10:07:38 AM

Quant Time: May 10 09:28:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:55:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1423814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2429442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2120743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1021596	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	757108	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
35) Dibromofluoromethane	7.88	113	684559	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
50) Toluene-d8	10.32	98	2869141	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.62	95	963436	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	1721694	436.300	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	565959	30.622	ug/l	97
20) Methylene Chloride	4.91	84	1797737	109.225	ug/l	95
22) Diisopropyl ether	6.31	45	5604775	124.611	ug/l	90
24) 1,1-Dichloroethane	6.21	63	5076786	167.648	ug/l	99
25) 2-Butanone	7.17	43	1650420	273.393	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	1080341	62.859	ug/l	90
38) Carbon Tetrachloride	8.06	117	2952062	130.735	ug/l	99
40) Benzene	8.32	78	2419900	33.544	ug/l	99
42) 1,2-Dichloroethane	8.40	62	2313325	112.028	ug/l	97
44) Trichloroethene	9.09	130	1952900	108.131	ug/l	99
45) 1,2-Dichloropropane	9.37	63	3212336	179.139	ug/l	98
46) Dibromomethane	9.46	93	1015615	109.632	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	2438650	182.838	ug/l	94
52) Toluene	10.38	92	8021609	181.922	ug/l	93
53) t-1,3-Dichloropropene	10.60	75	1098571	48.806	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	1439947	54.017	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	1142144	86.804	ug/l	98
59) 2-Hexanone	10.97	43	749743	79.504	ug/l	93
61) 1,2-Dibromoethane	11.24	107	1038537	82.221	ug/l	98
64) Tetrachloroethene	10.86	164	1420216	95.815	ug/l	98
65) Chlorobenzene	11.66	112	5254968	119.703	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	2398381	161.640	ug/l	97
67) Ethyl Benzene	11.73	91	10552760	130.668	ug/l	95
68) m/p-Xylenes	11.84	106	2314282	77.127	ug/l	98
69) o-Xylene	12.16	106	2153074	79.322	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	1965310	119.784	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	1282092	107.640	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.94	105	3662535	58.342	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	6441738	103.262	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	6091700	181.440	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	2021834	60.682	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	3785635	127.375	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	382796	129.562	ug/l	93

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PT-VOA-SOIL

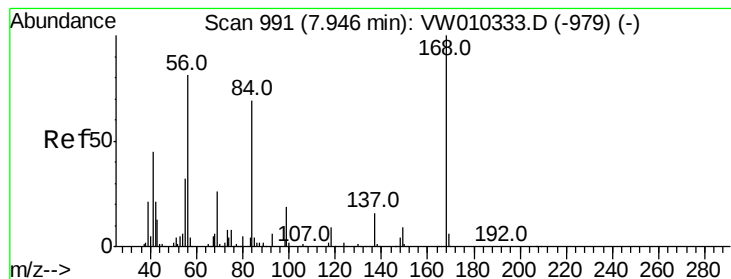
Manual Integrations
APPROVED

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5/10/2019 10:07:38 AM

Quant Time: May 10 09:28:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
Quant Title : SW846 8260
QLast Update : Thu May 09 13:55:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	3927962	193.650	ug/l	99
95) Naphthalene	15.37	128	4171998	87.156	ug/l	100

(#) = 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: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

Tot Ion:168 Resp: 1423814

Ion Ratio Lower Upper

168 100

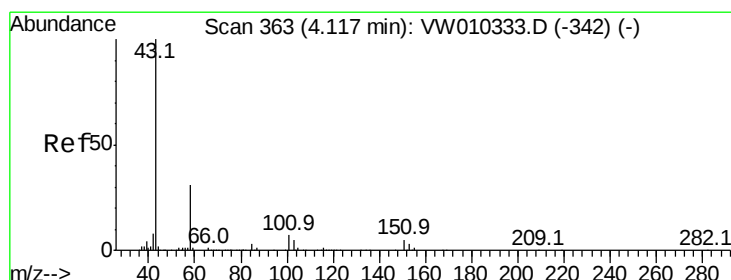
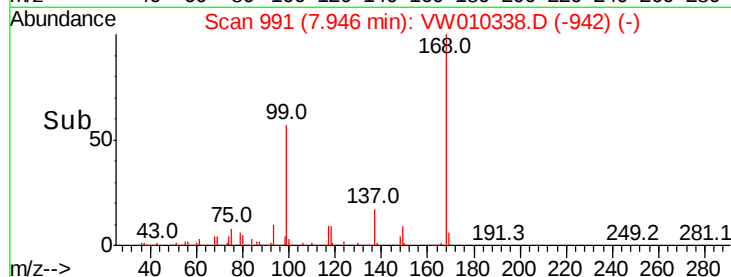
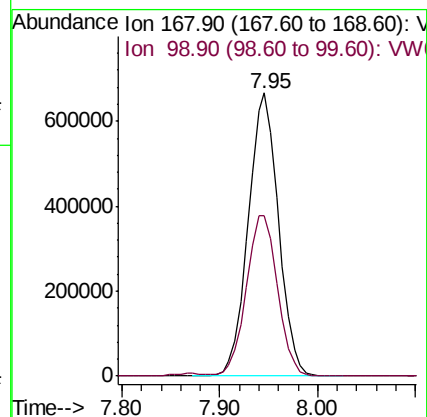
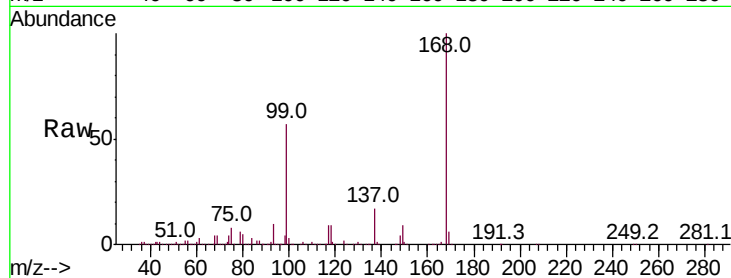
99 56.5 48.4 72.6

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#16

Acetone

Concen: 436.300 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010338.D

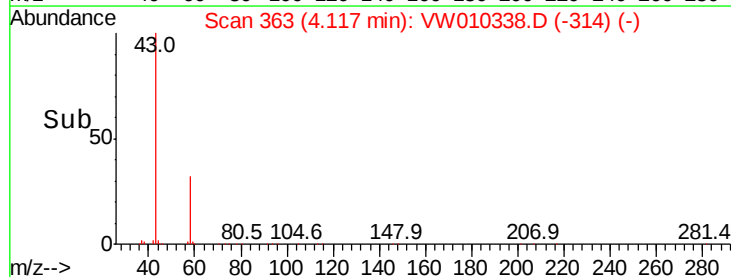
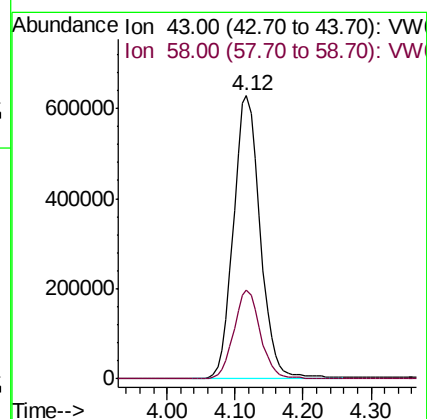
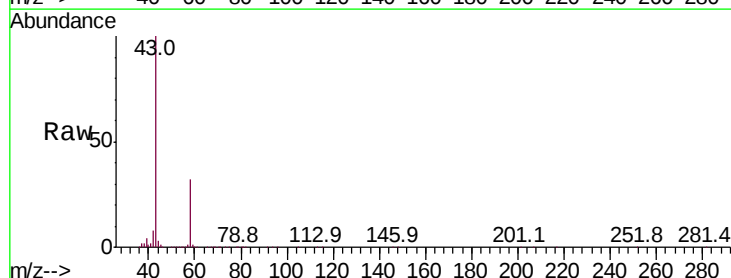
Acq: 09 May 2019 15:55

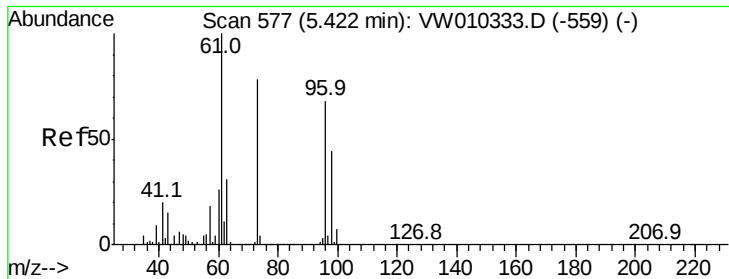
Tgt Ion: 43 Resp: 1721694

Ion Ratio Lower Upper

43 100

58 31.5 22.7 34.1





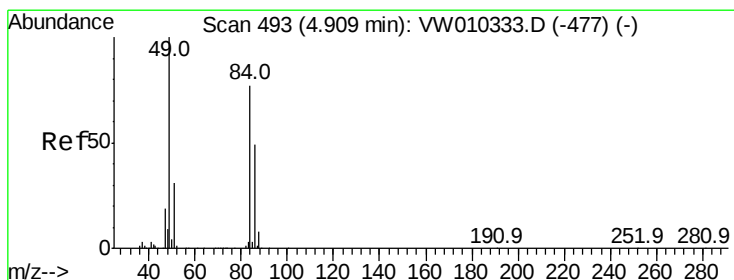
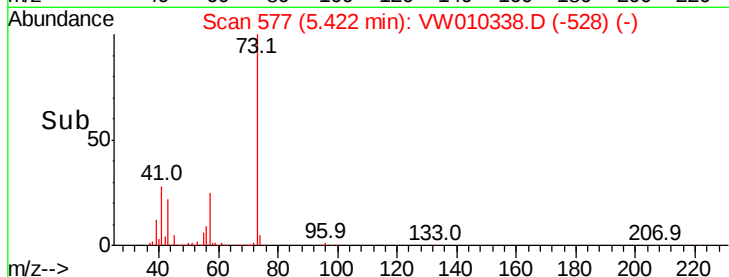
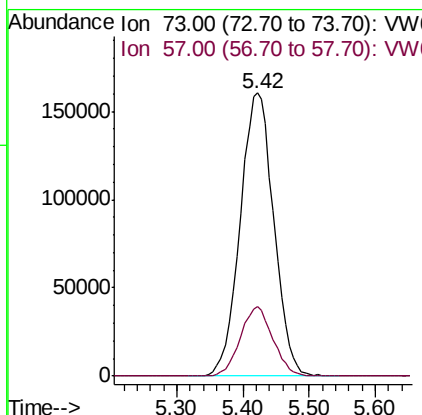
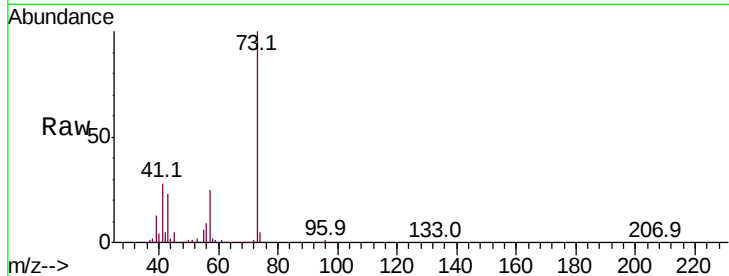
#19
Methvl tert-butvl Ether
Concen: 30.622 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOIL

Tot Ion: 73 Resp: 565959
Ion Ratio Lower Upper
73 100
57 24.7 18.5 27.7

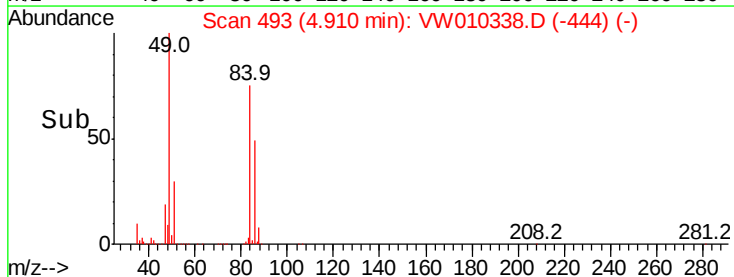
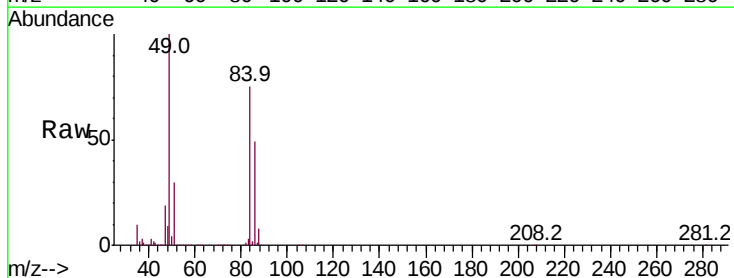
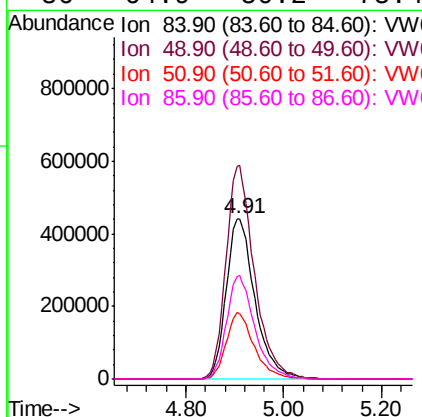
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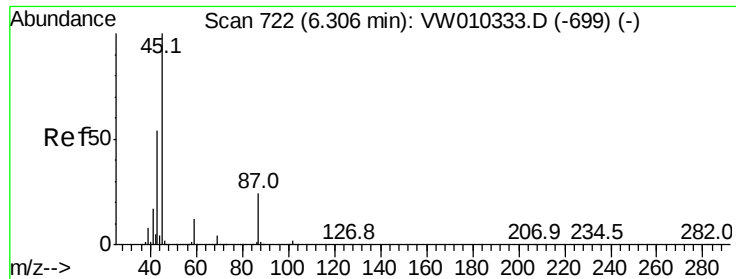
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#20
Methylene Chloride
Concen: 109.225 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

Tgt Ion: 84 Resp: 1797737
Ion Ratio Lower Upper
84 100
49 133.2 112.3 168.5
51 40.4 33.9 50.9
86 64.9 50.2 75.4





#22

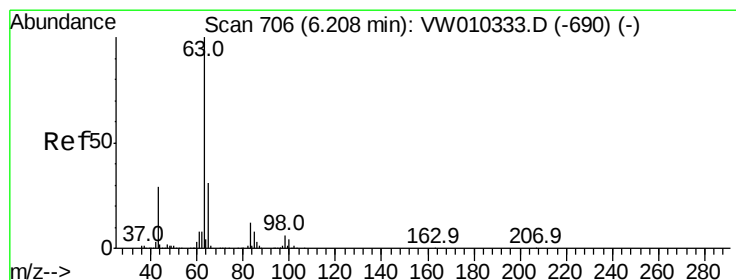
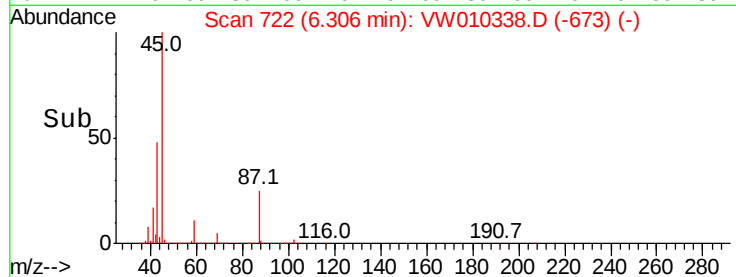
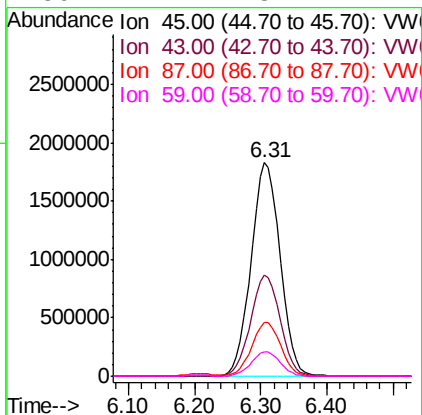
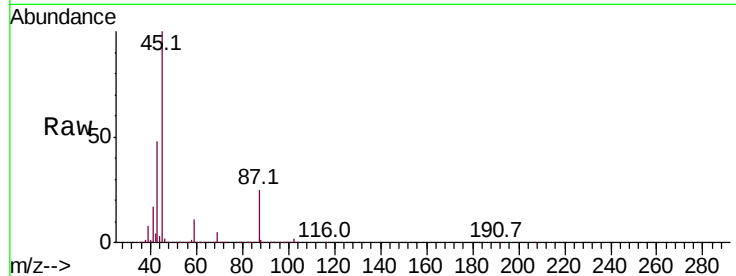
Diisopropyl ether
 Concen: 124.611 ug/l
 RT: 6.31 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOIL

Tot Ion	Ratio	Lower	Upper
45	100		
43	47.5	46.1	69.1
87	25.0	18.3	27.5
59	11.4	8.2	12.4

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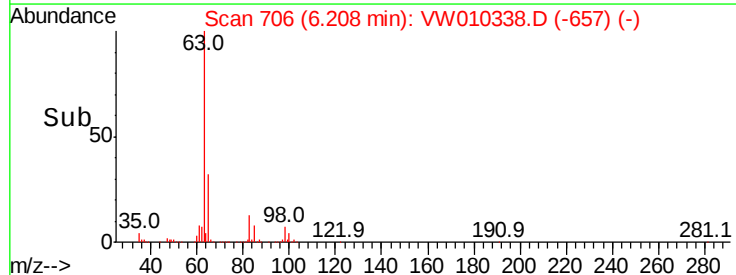
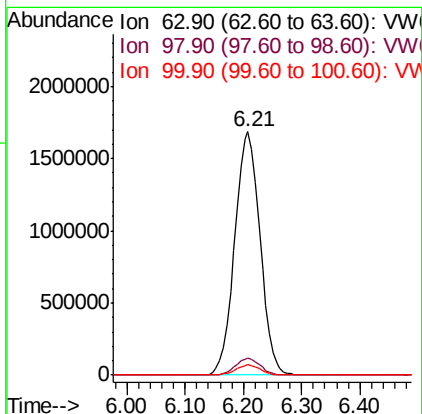
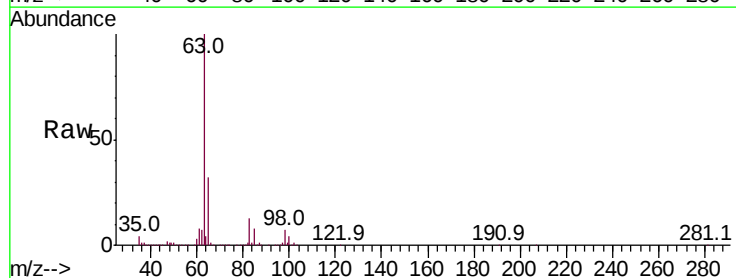
MMDadoda
 5/10/2019 10:07:38 AM

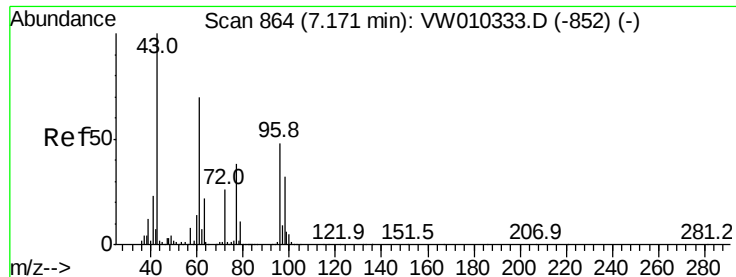


#24

1,1-Dichloroethane
 Concen: 167.648 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.8
100	4.2	2.0	6.0





#25

2-Butanone

Concen: 273.393 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

Tot Ion: 43 Resp: 1650420

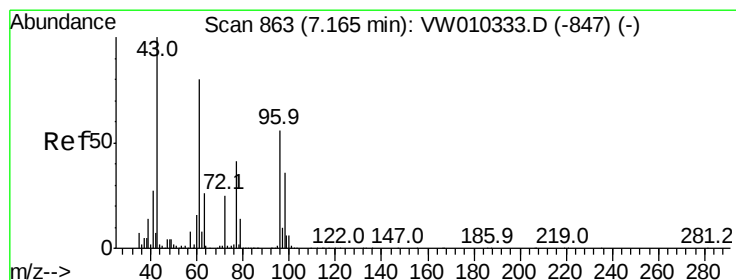
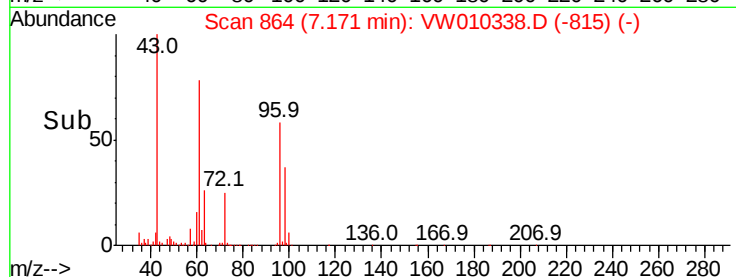
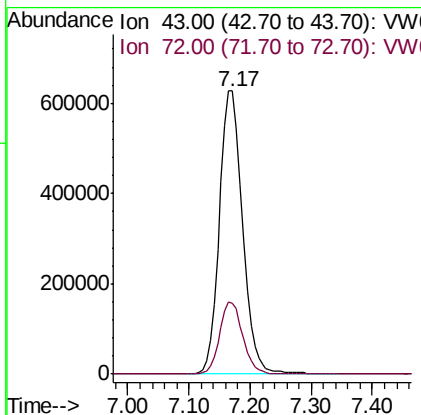
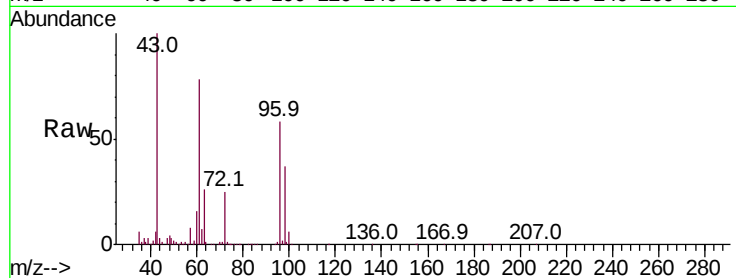
Ion Ratio Lower Upper

43 100

72 24.9 19.1 28.7

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#27

cis-1,2-Dichloroethene

Concen: 62.859 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

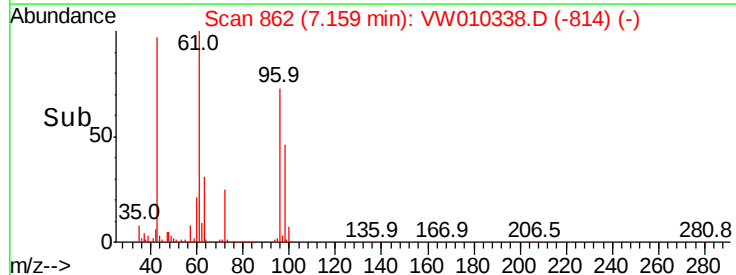
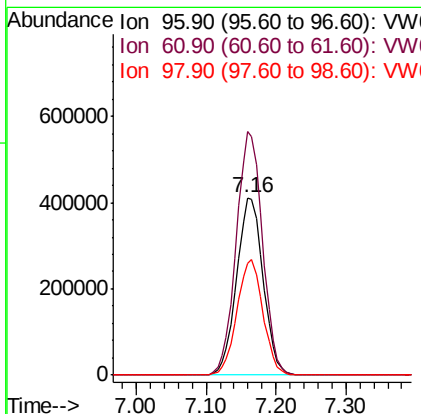
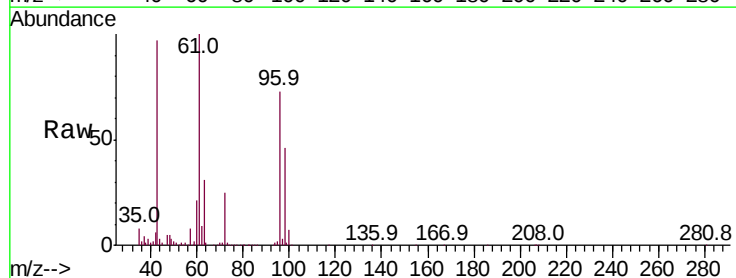
Tgt Ion: 96 Resp: 1080341

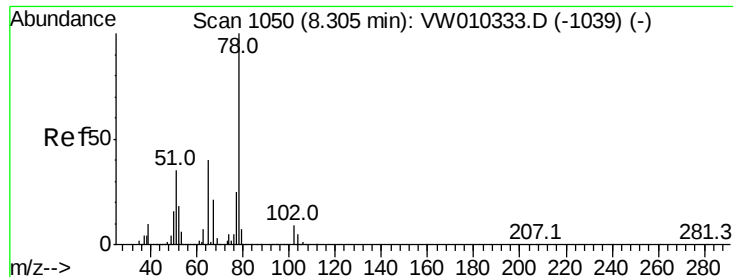
Ion Ratio Lower Upper

96 100

61 136.6 0.0 309.4

98 63.7 0.0 128.6





#33

1,2-Dichloroethane-d4

Concen: 50.017 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

Tot Ion: 65 Resp: 757108

Ion Ratio Lower Upper

65 100

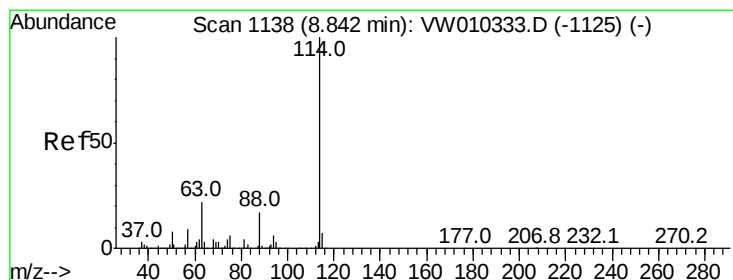
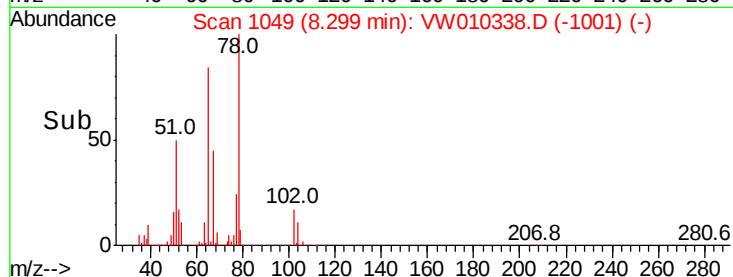
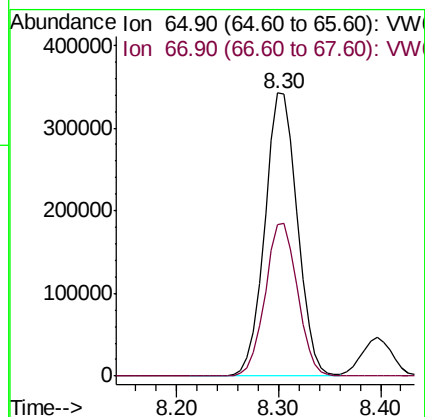
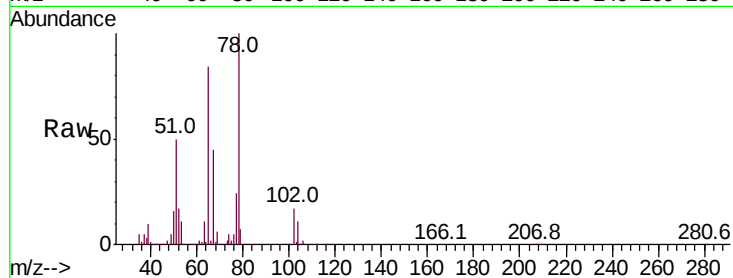
67 53.5 0.0 100.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

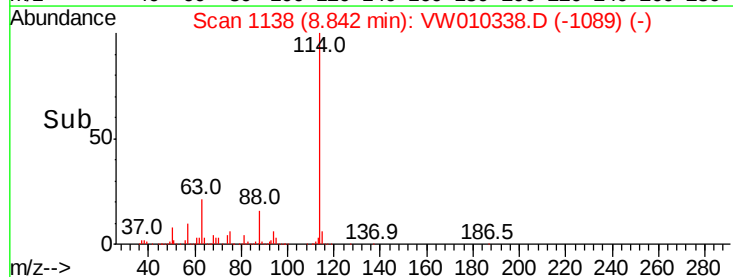
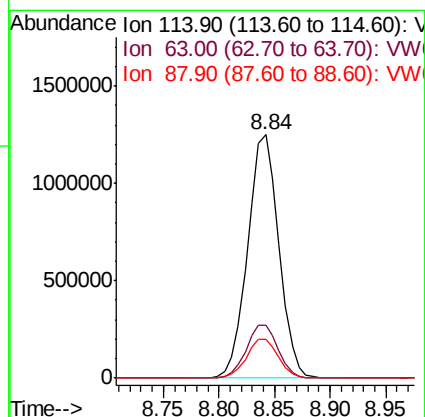
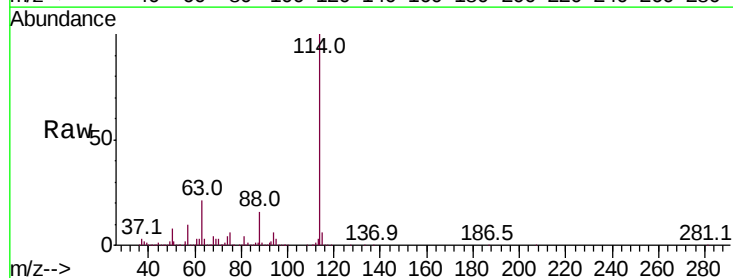
Tgt Ion: 114 Resp: 2429442

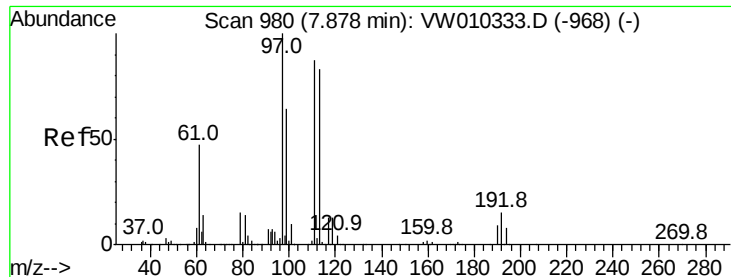
Ion Ratio Lower Upper

114 100

63 21.5 0.0 46.2

88 16.0 0.0 32.6





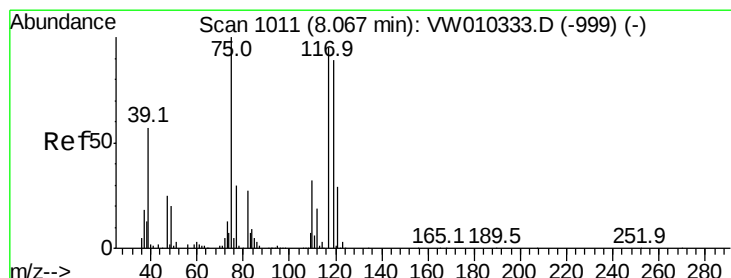
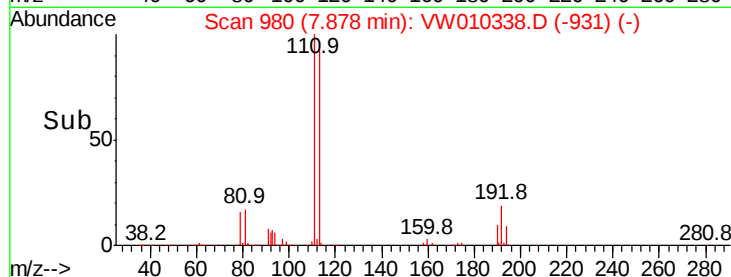
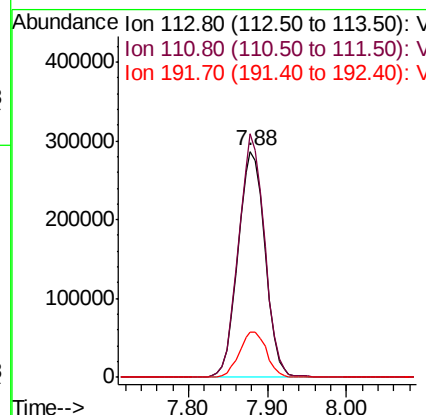
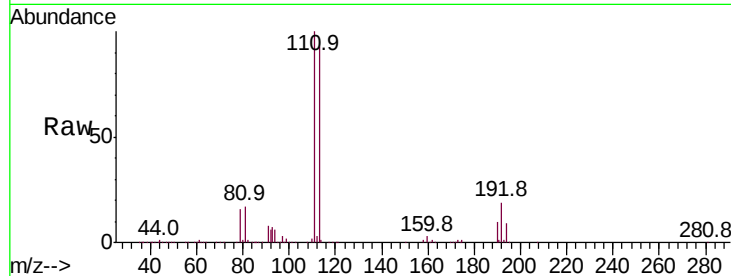
#35
Dibromofluoromethane
Concen: 48.151 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	684559		
111	103.7	82.6	123.8	
192	20.4	15.4	23.2	

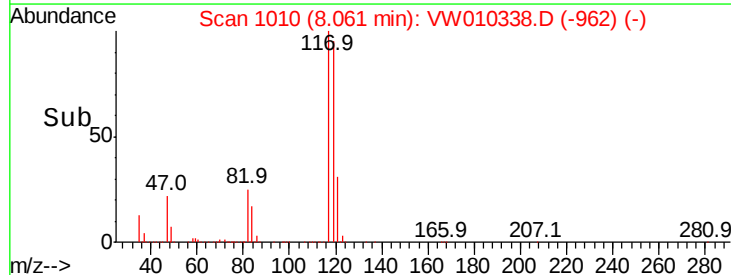
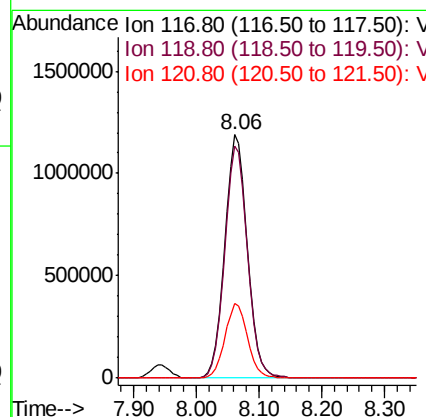
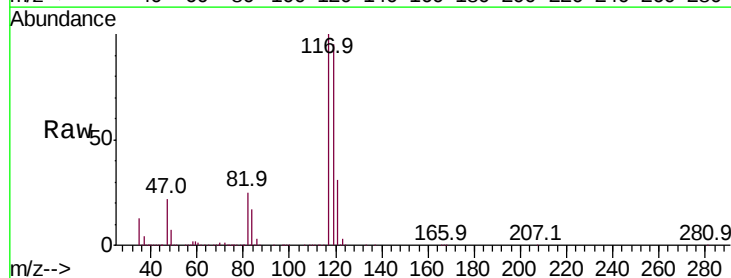
Manual Integrations
APPROVED

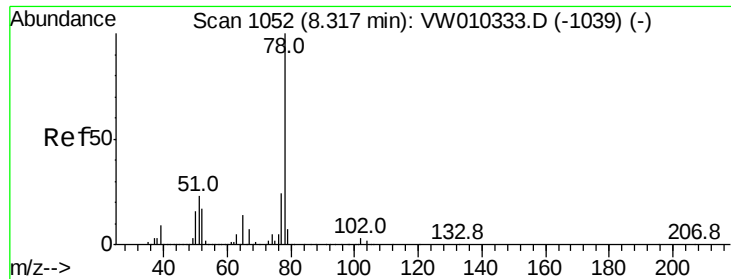
MMDadoda
5/10/2019 10:07:38 AM



#38
Carbon Tetrachloride
Concen: 130.735 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2952062		
119	95.4	75.3	112.9	
121	30.5	24.4	36.6	





#40

Benzene

Concen: 33.544 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

Tot Ion: 78 Resp: 2419900

Ion Ratio Lower Upper

78 100

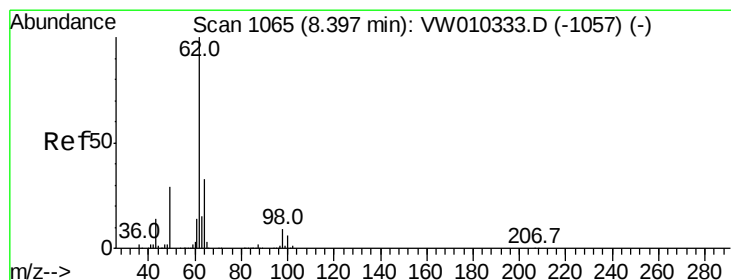
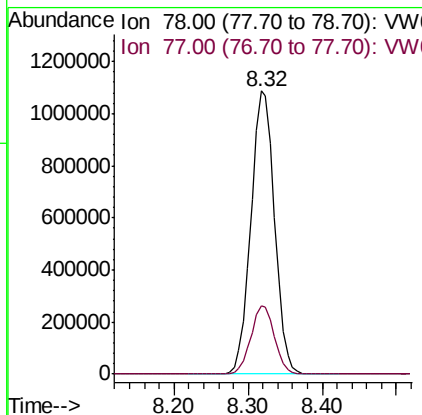
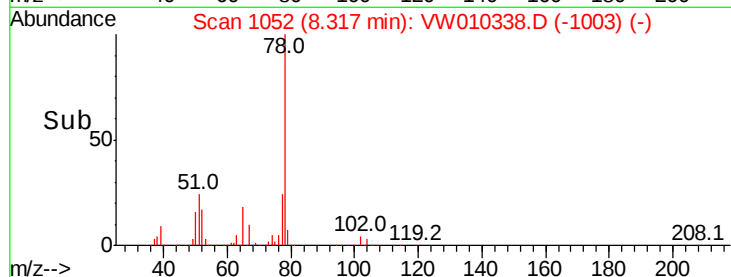
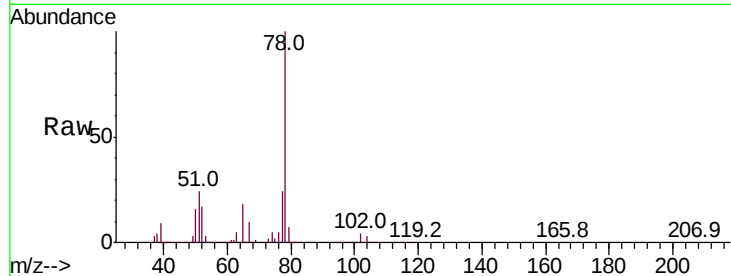
77 24.3 19.1 28.7

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#42

1,2-Dichloroethane

Concen: 112.028 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010338.D

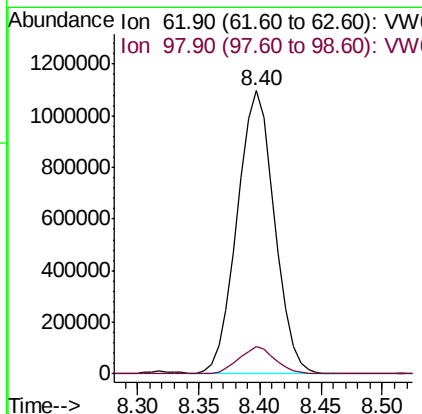
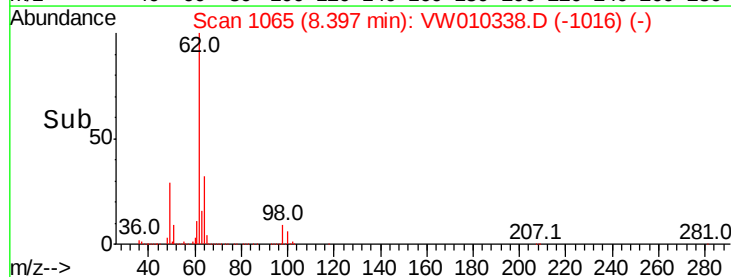
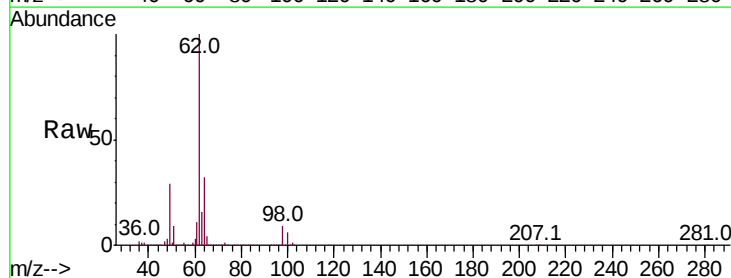
Acq: 09 May 2019 15:55

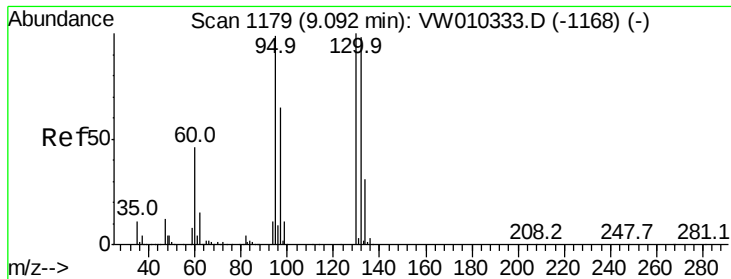
Tgt Ion: 62 Resp: 2313325

Ion Ratio Lower Upper

62 100

98 9.5 0.0 16.6





#44

Trichloroethene

Concen: 108.131 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

Tot Ion:130 Resp: 1952900

Ion Ratio Lower Upper

130 100

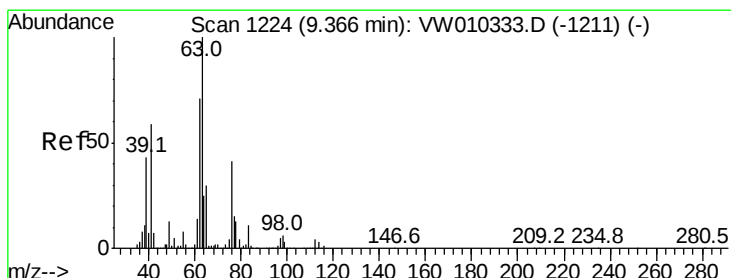
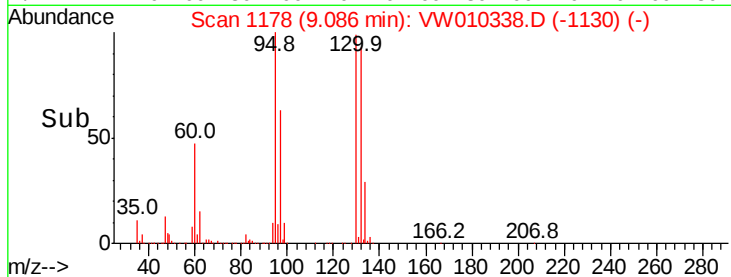
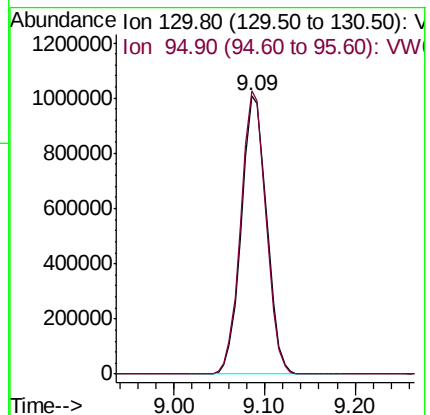
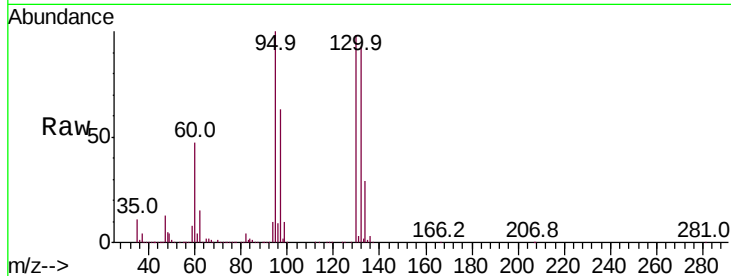
95 101.5 0.0 205.4

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#45

1,2-Dichloropropane

Concen: 179.139 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010338.D

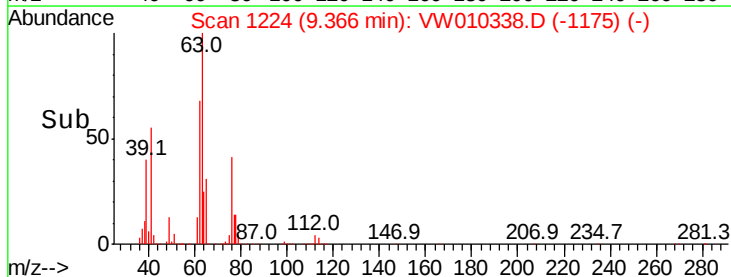
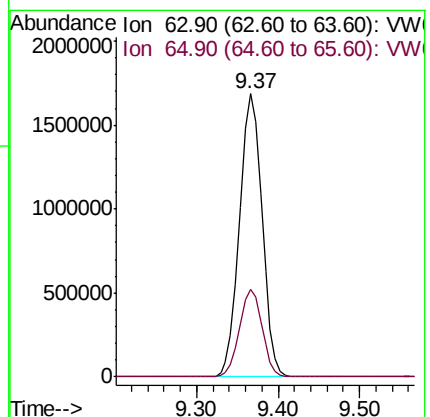
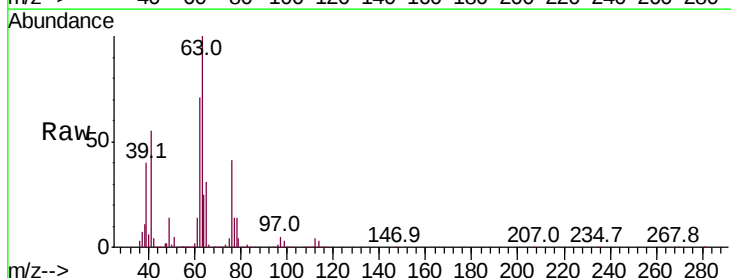
Acq: 09 May 2019 15:55

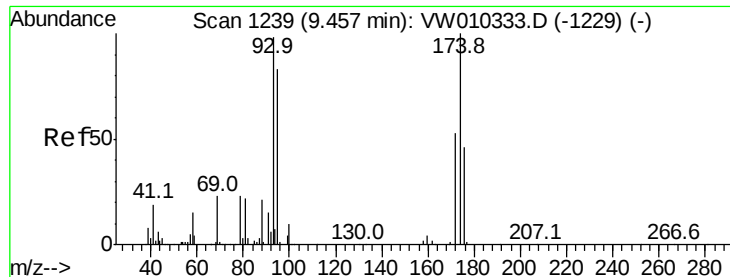
Tgt Ion: 63 Resp: 3212336

Ion Ratio Lower Upper

63 100

65 30.9 23.8 35.6





#46

Dibromomethane

Concen: 109.632 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

Tot Ion: 93 Resp: 1015615

Ion Ratio Lower Upper

93 100

95 82.9 65.8 98.8

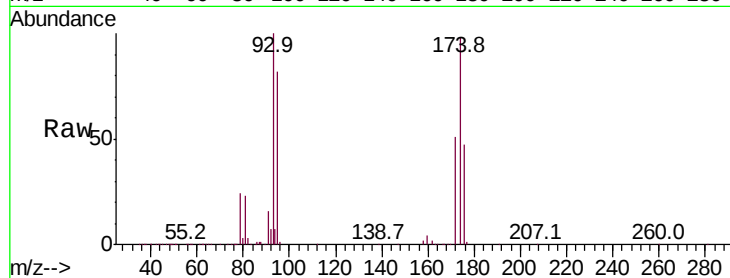
174 97.1 75.5 113.3

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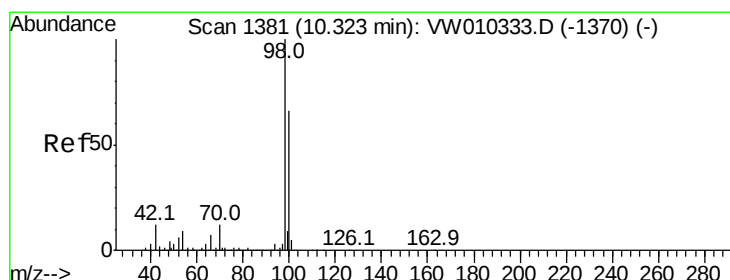
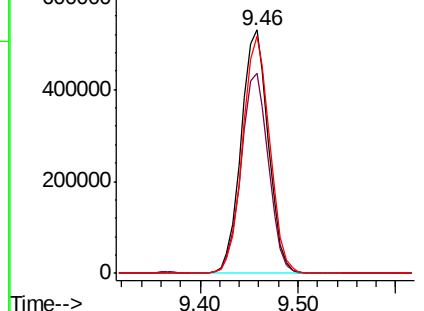
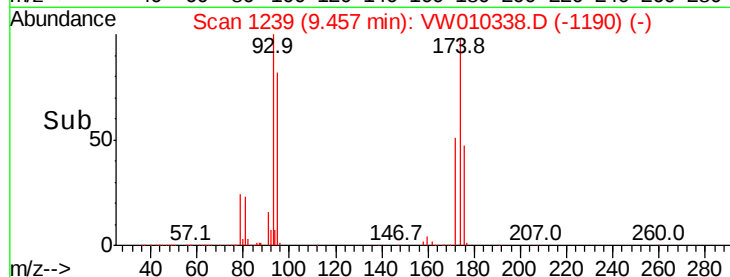
5/10/2019 10:07:38 AM



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#50

Toluene-d8

Concen: 49.561 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010338.D

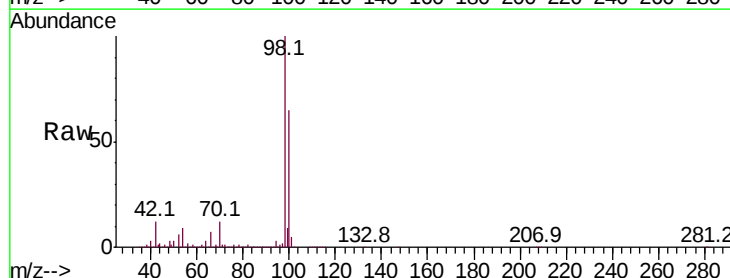
Acq: 09 May 2019 15:55

Tgt Ion: 98 Resp: 2869141

Ion Ratio Lower Upper

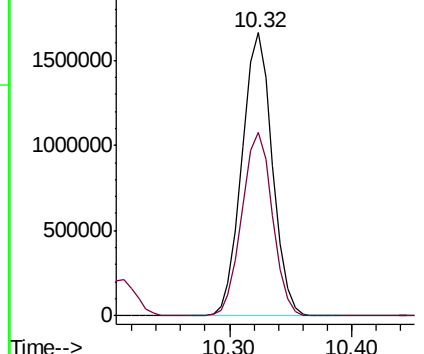
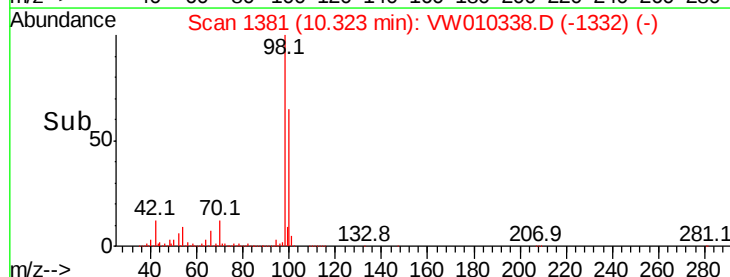
98 100

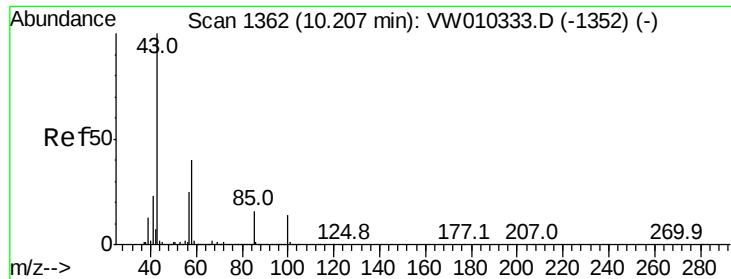
100 65.3 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 182.838 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

Tot Ion: 43 Resp: 2438650

Ion Ratio Lower Upper

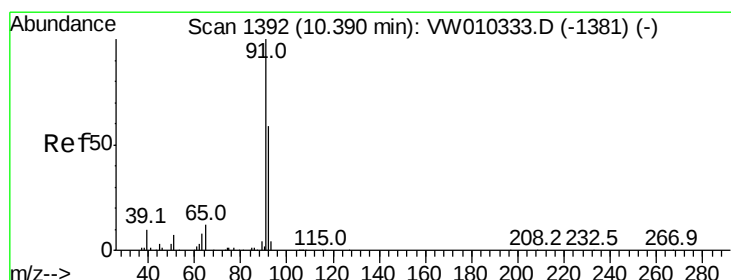
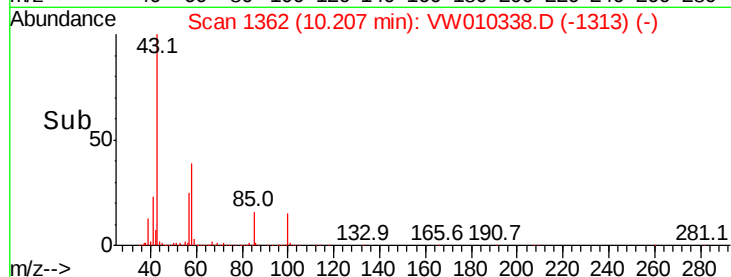
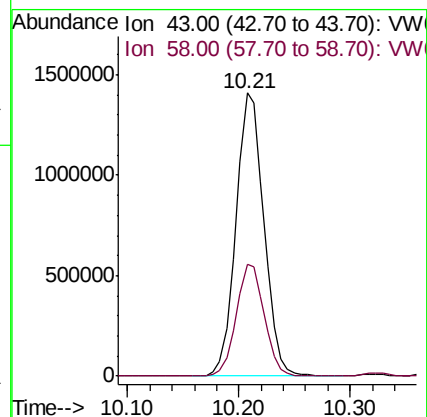
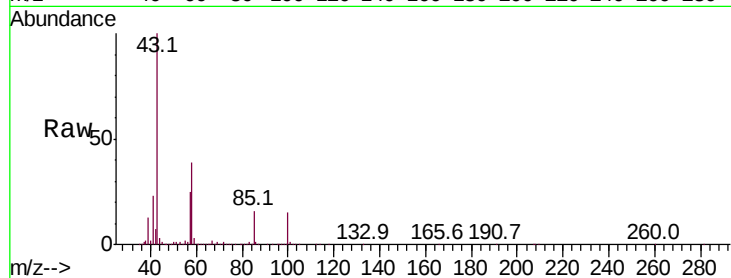
43 100

58 39.6 28.9 43.3

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#52

Toluene

Concen: 181.922 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010338.D

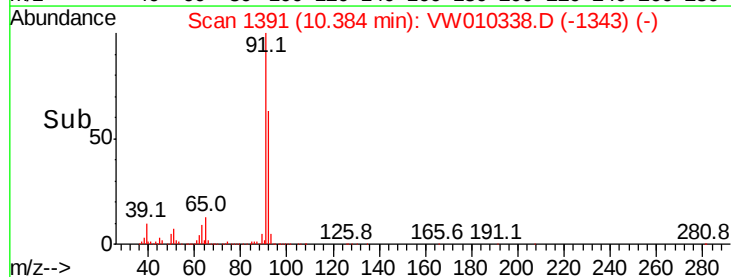
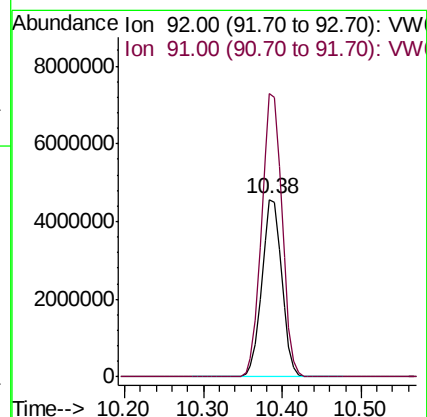
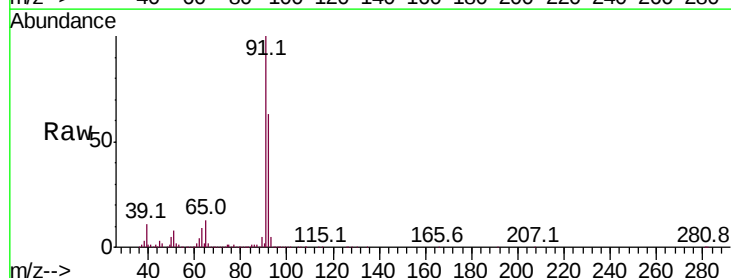
Acq: 09 May 2019 15:55

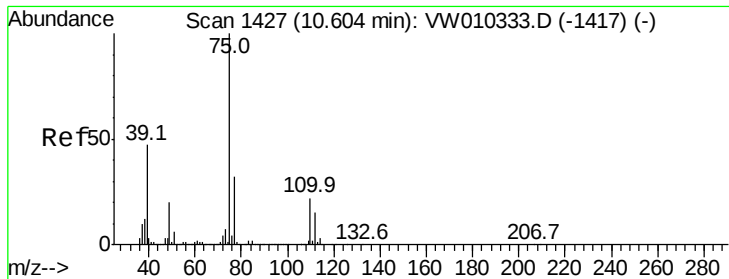
Tgt Ion: 92 Resp: 8021609

Ion Ratio Lower Upper

92 100

91 164.0 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 48.806 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :
MSVOA_W

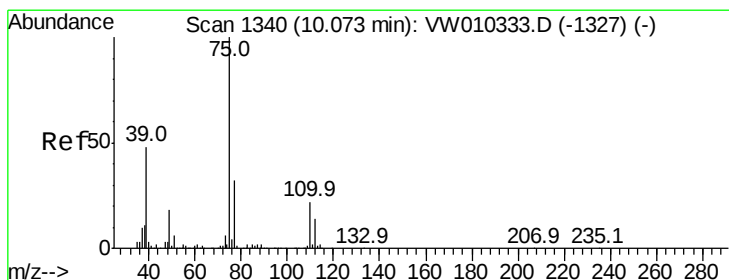
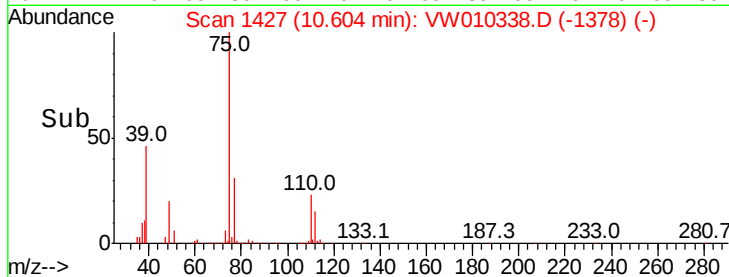
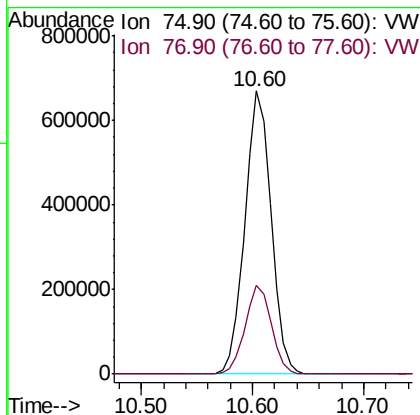
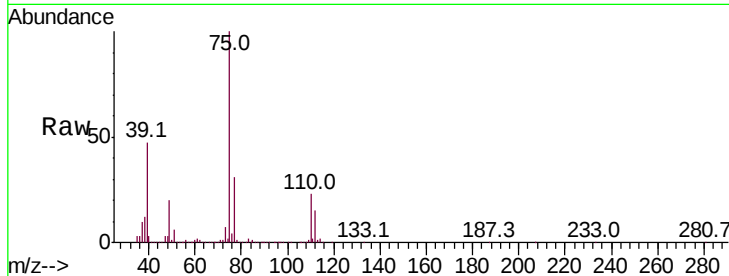
ClientSampled :
PT-VOA-SOIL

Tot Ion: 75 Resp: 1098571

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.9	40.3

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#54

cis-1,3-Dichloropropene

Concen: 54.017 ug/l

RT: 10.07 min Scan# 1340

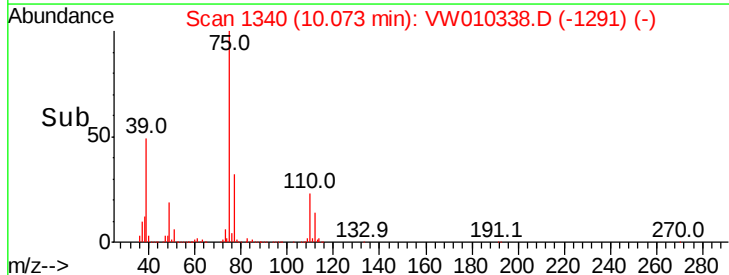
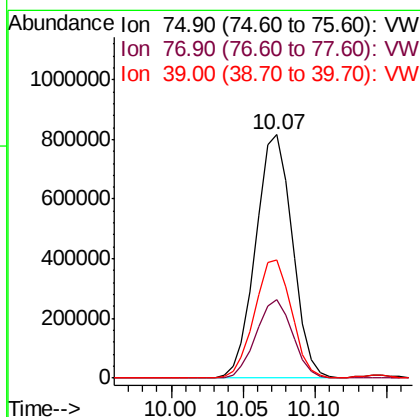
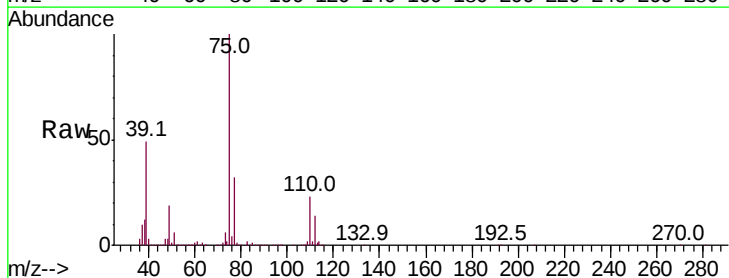
Delta R.T. 0.00 min

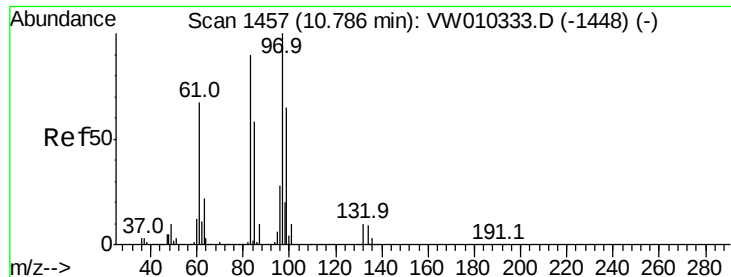
Lab File: VW010338.D

Acq: 09 May 2019 15:55

Tgt Ion: 75 Resp: 1439947

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.6	38.4
39	48.8	47.8	71.6





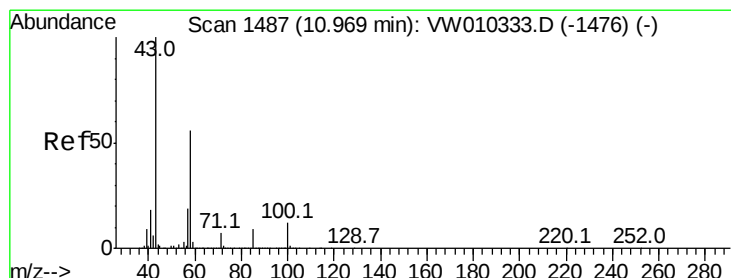
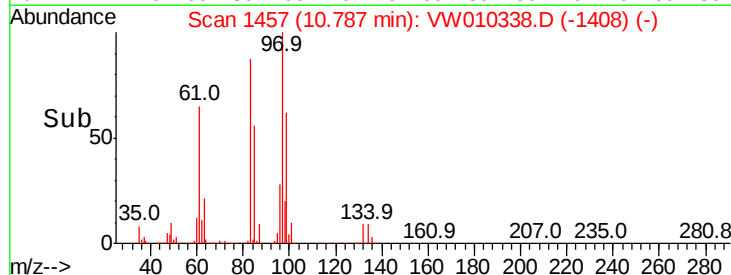
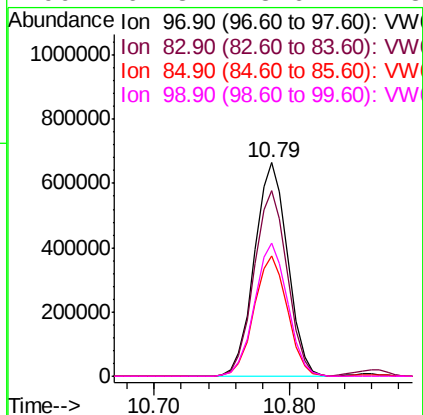
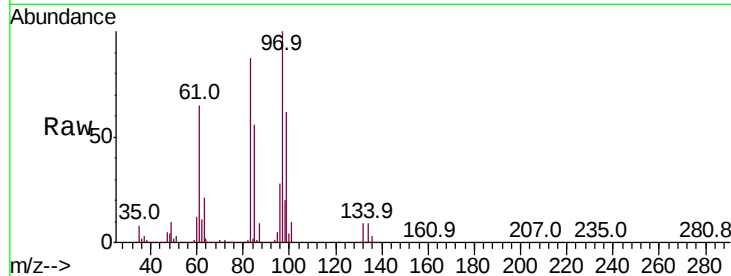
#55
 1,1,2-Trichloroethane
 Concen: 86.804 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOIL

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.7	68.9	103.3
85	56.4	42.9	64.3
99	62.3	48.6	72.8

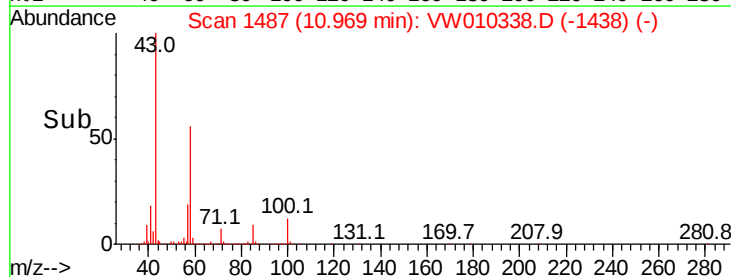
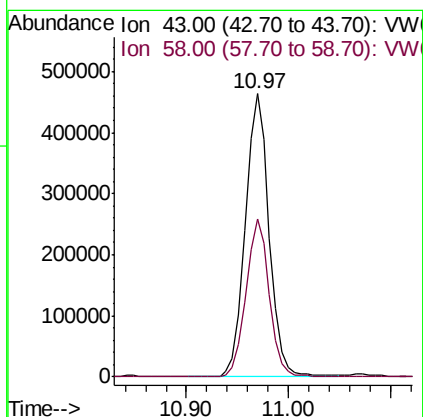
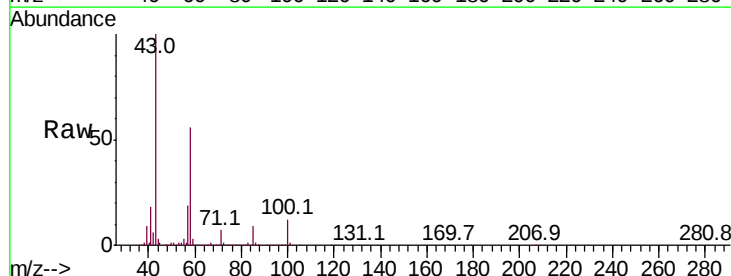
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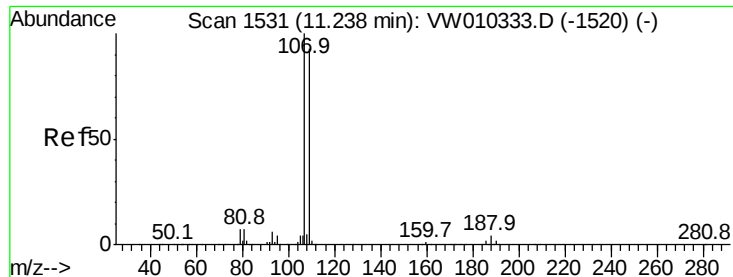
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#59
 2-Hexanone
 Concen: 79.504 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.8	24.9	74.7





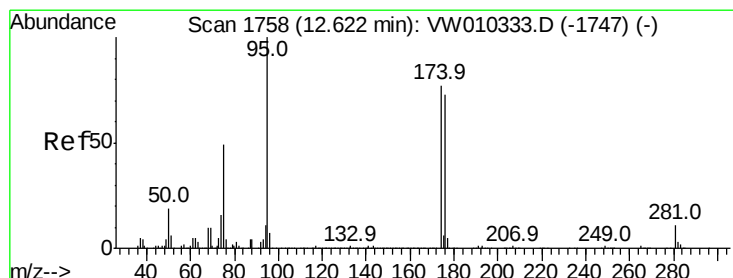
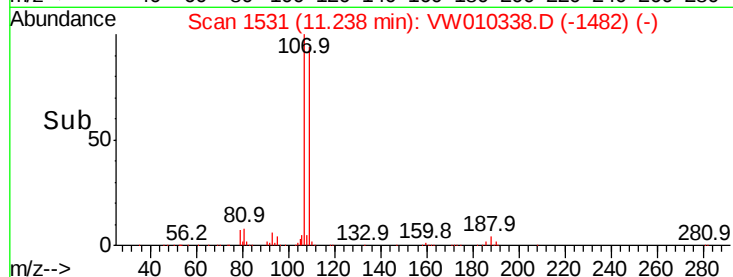
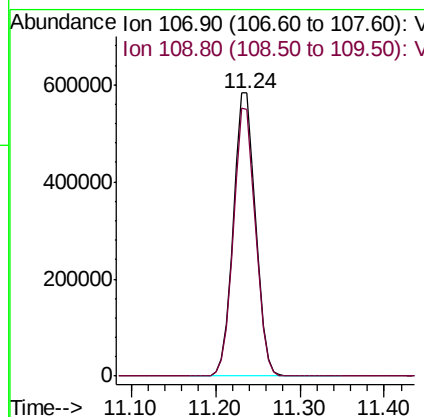
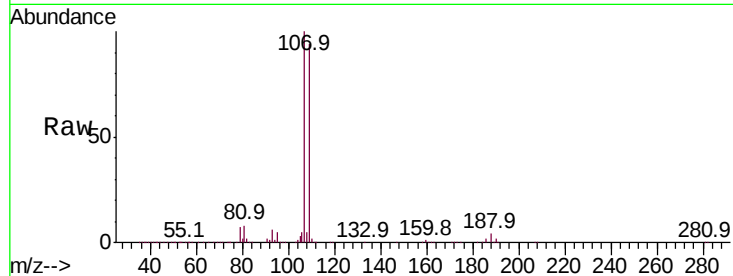
#61
 1,2-Dibromoethane
 Concen: 82.221 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOIL

Tot Ion: 107 Resp: 1038537
 Ion Ratio Lower Upper
 107 100
 109 94.0 73.6 110.4

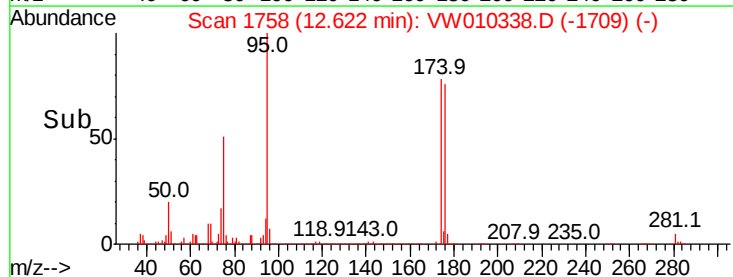
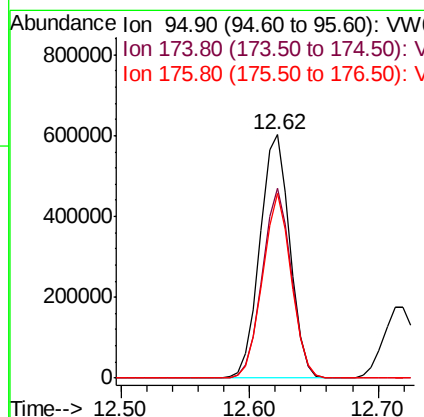
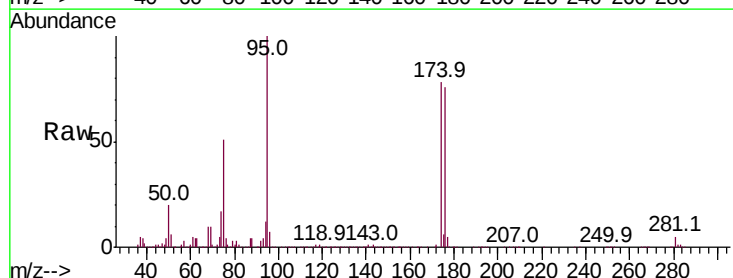
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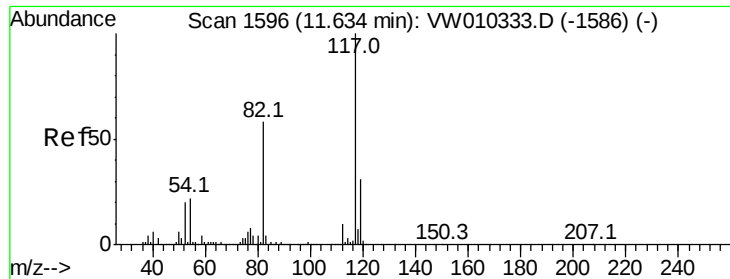
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#62
 4-Bromofluorobenzene
 Concen: 47.278 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Tgt Ion: 95 Resp: 963436
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 151.4
 176 73.2 0.0 146.2





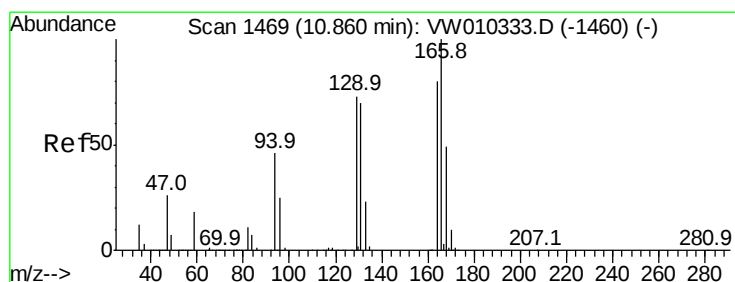
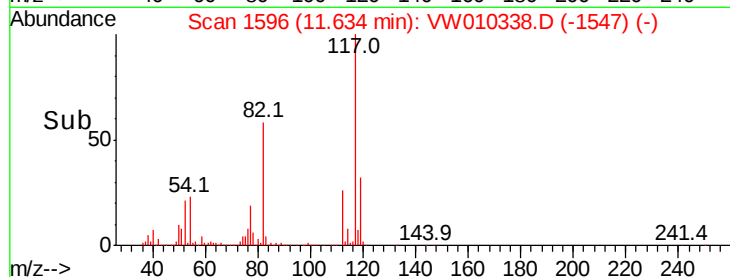
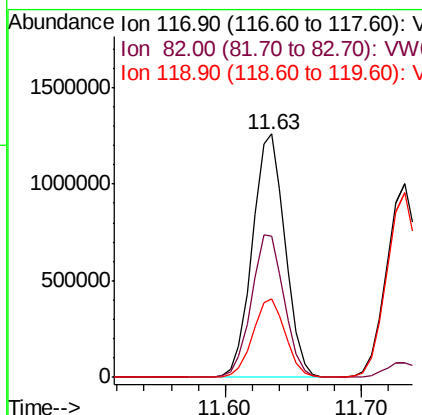
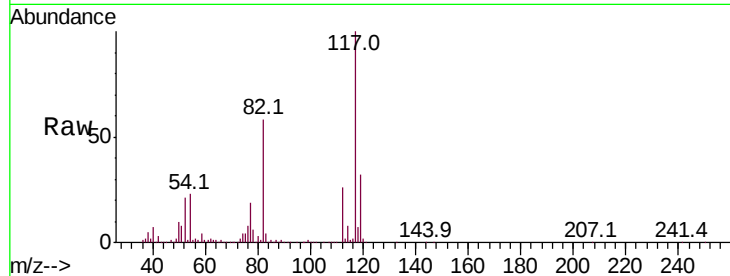
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOIL

Tot Ion:117 Resp: 2120743
Ion Ratio Lower Upper
117 100
82 58.1 45.2 67.8
119 32.4 25.4 38.2

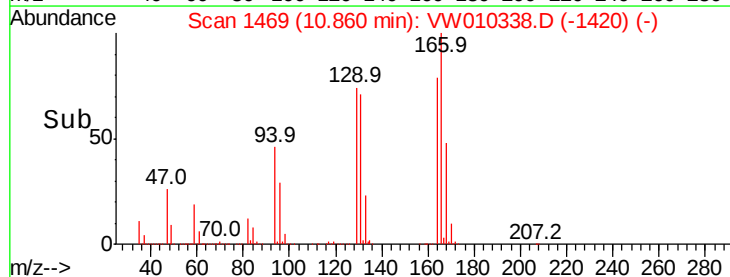
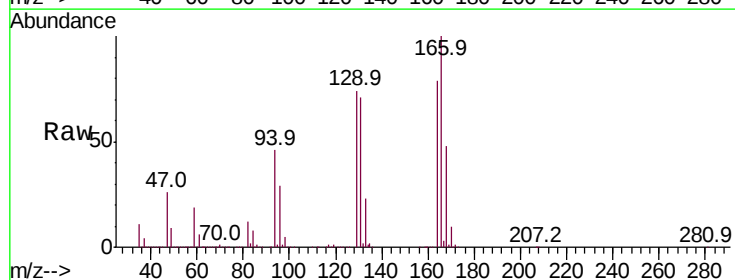
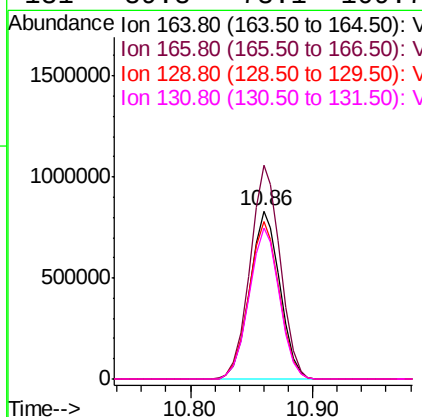
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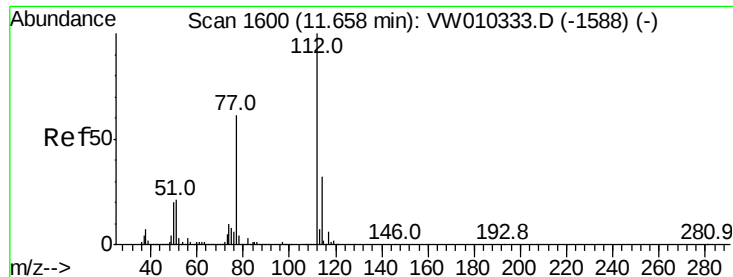
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#64
Tetrachloroethene
Concen: 95.815 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

Tgt Ion:164 Resp: 1420216
Ion Ratio Lower Upper
164 100
166 127.1 101.2 151.8
129 94.1 77.8 116.6
131 89.8 73.1 109.7





#65

Chlorobenzene

Concen: 119.703 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

Tot Ion:112 Resp: 5254968

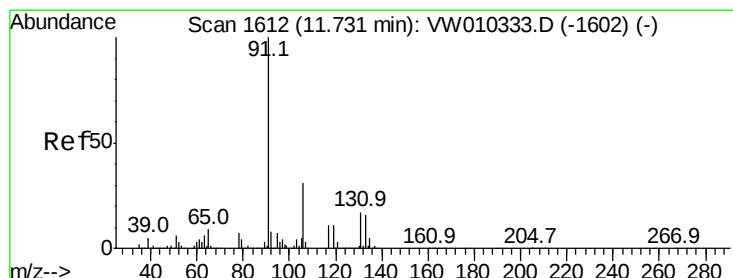
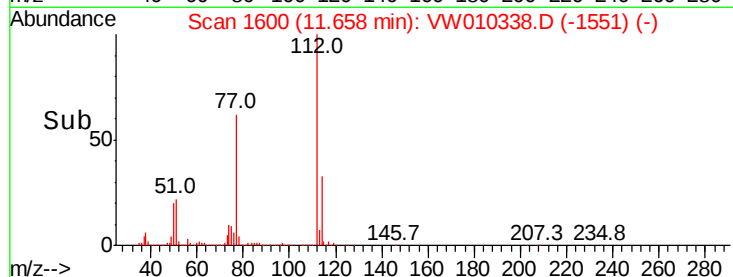
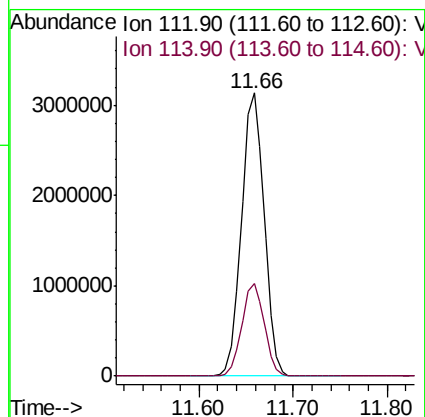
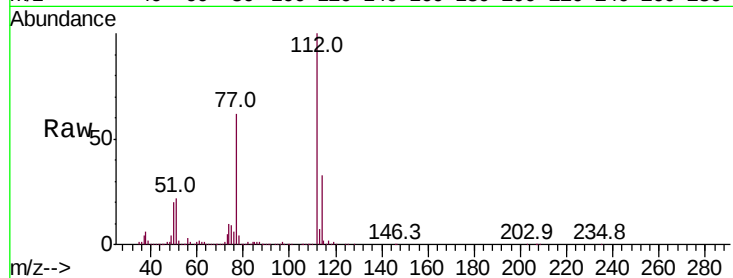
Ion Ratio Lower Upper

112 100

114 32.6 26.5 39.7

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 161.640 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

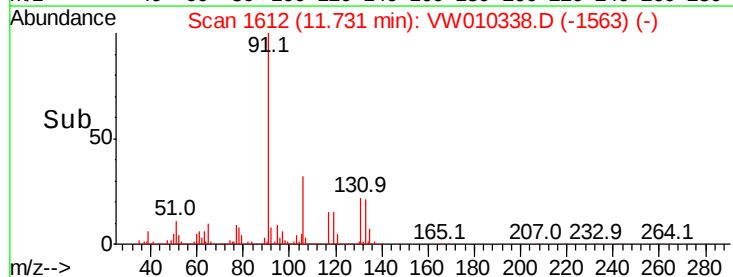
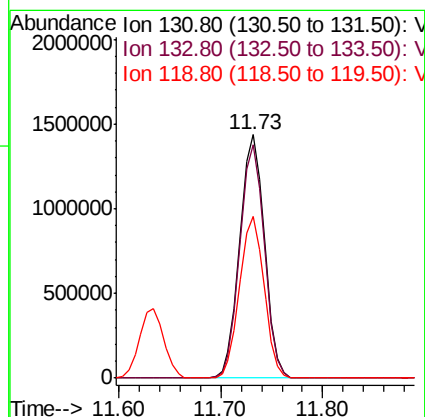
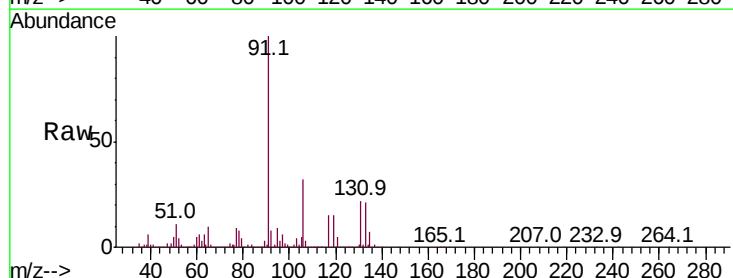
Tgt Ion:131 Resp: 2398381

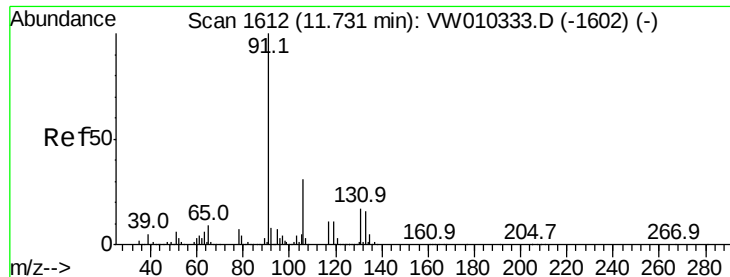
Ion Ratio Lower Upper

131 100

133 95.4 46.5 139.5

119 66.2 31.9 95.5





#67

Ethyl Benzene

Concen: 130.668 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

Tot Ion: 91 Resp: 10552760

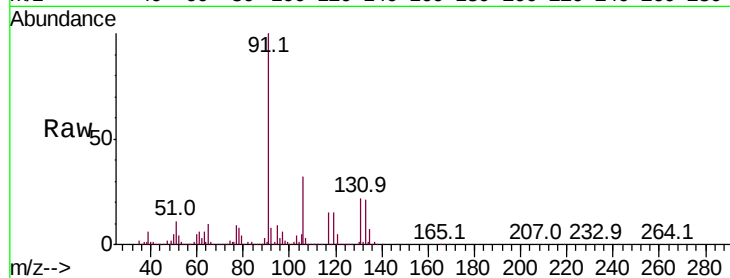
Ion Ratio Lower Upper

91 100

106 32.4 23.8 35.8

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

6000000

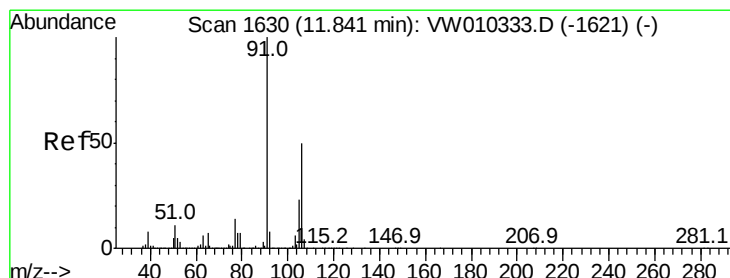
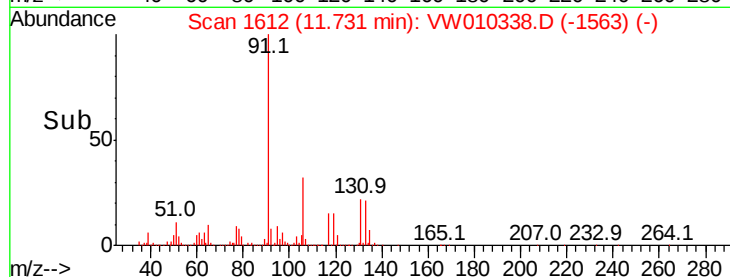
4000000

2000000

0

11.70 11.80

Time-->



#68

m/p-Xylenes

Concen: 77.127 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010338.D

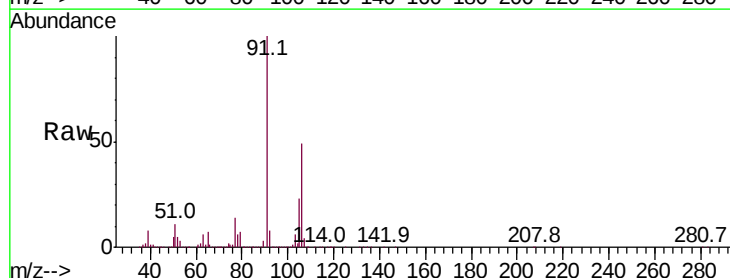
Acq: 09 May 2019 15:55

Tgt Ion: 106 Resp: 2314282

Ion Ratio Lower Upper

106 100

91 203.7 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

6000000

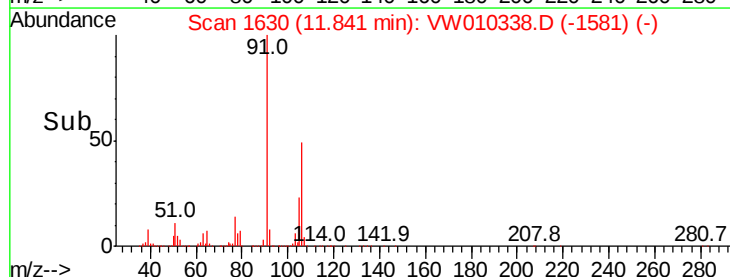
4000000

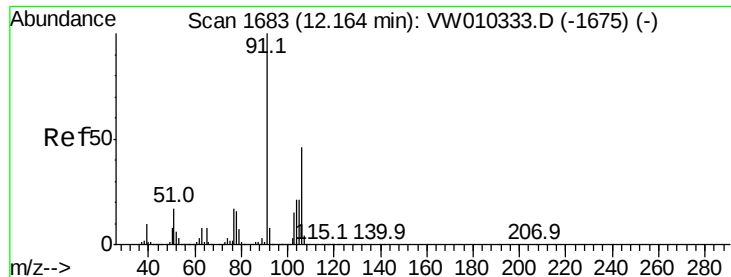
2000000

0

11.80 11.90

Time-->





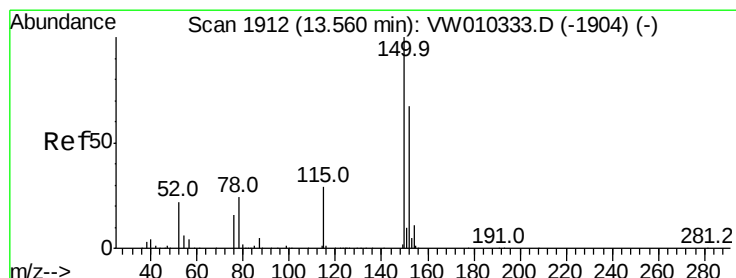
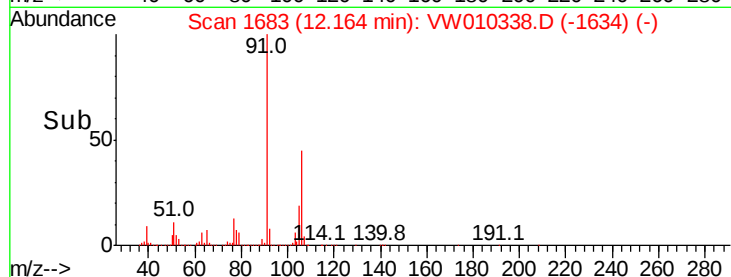
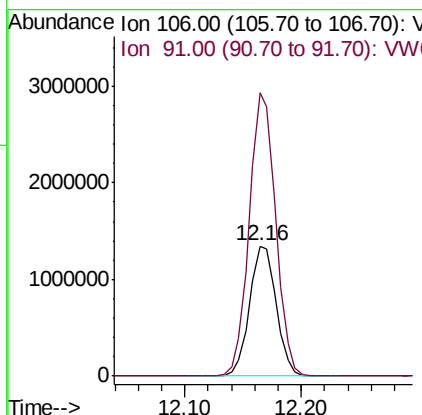
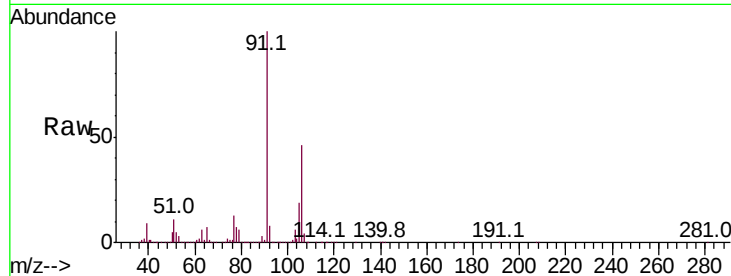
#69
o-Xylene
Concen: 79.322 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
PT-VOA-SOIL

Tot Ion:106 Resp: 2153074
Ion Ratio Lower Upper
106 100
91 216.2 110.5 331.4

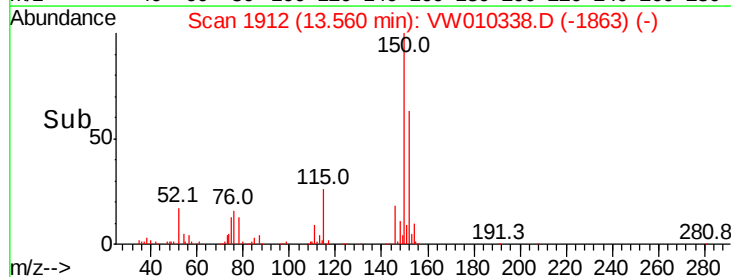
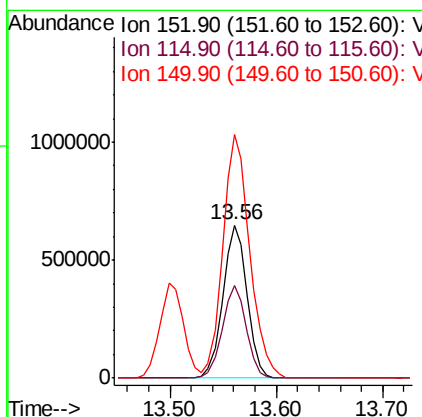
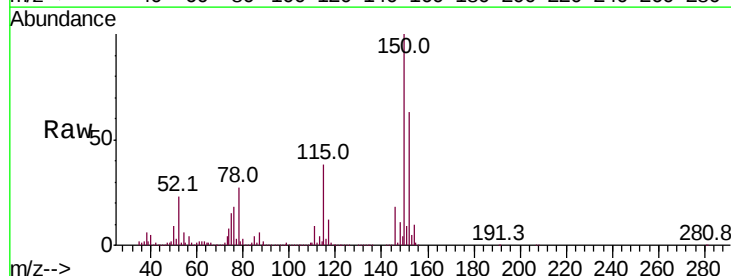
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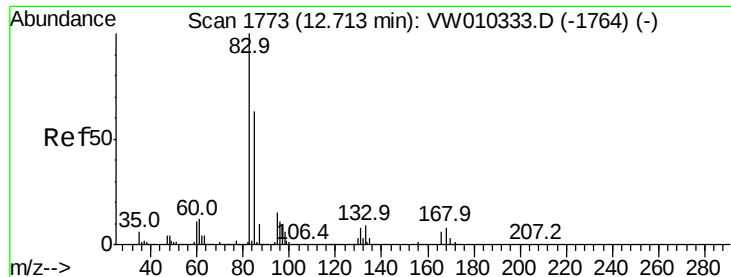
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010338.D
Acq: 09 May 2019 15:55

Tgt Ion:152 Resp: 1021596
Ion Ratio Lower Upper
152 100
115 60.1 30.4 91.2
150 177.5 0.0 347.0





#75

1,1,2,2-Tetrachloroethane

Concen: 119.784 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

Tot Ion: 83 Resp: 1965310

Ion Ratio Lower Upper

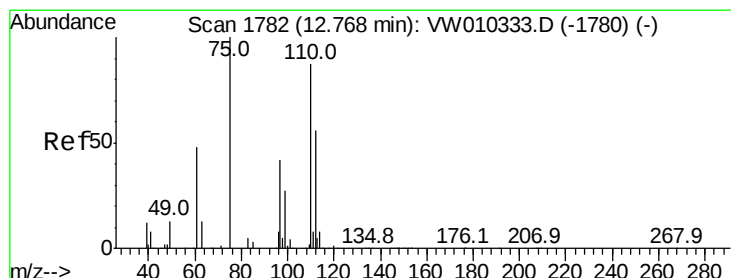
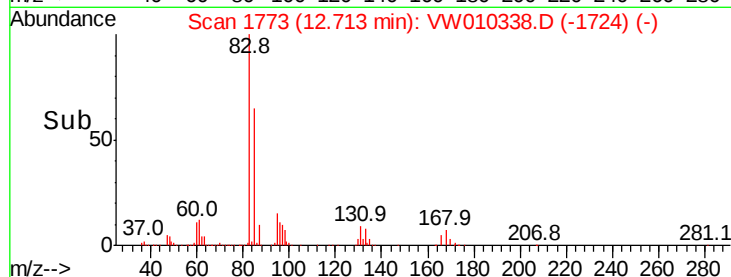
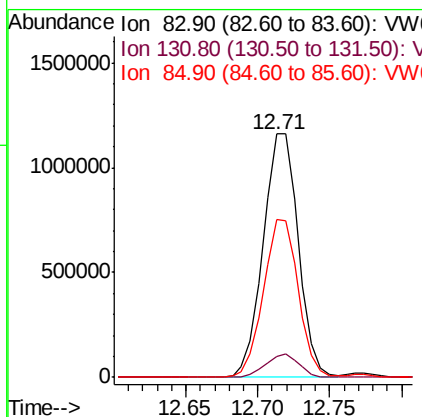
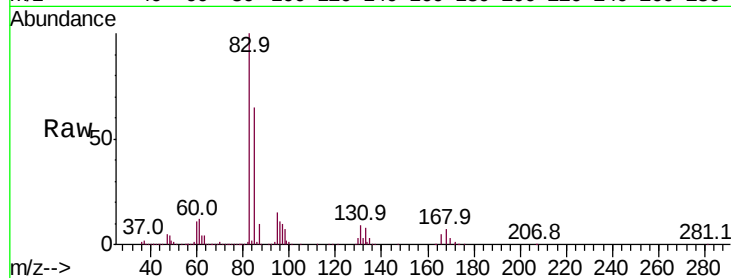
83 100

131 9.1 5.3 15.8

85 64.1 32.0 96.2

Manual Integrations
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 107.640 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010338.D

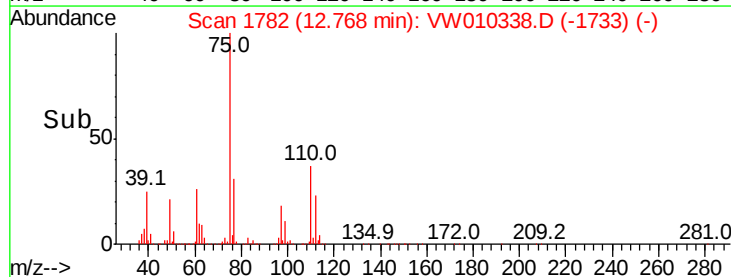
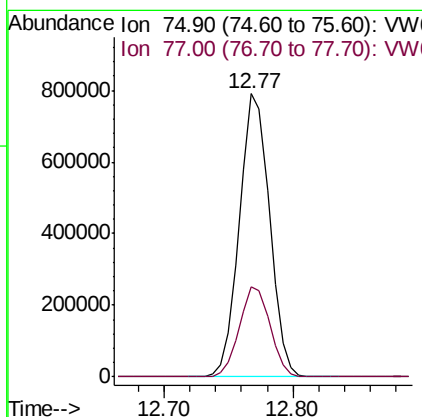
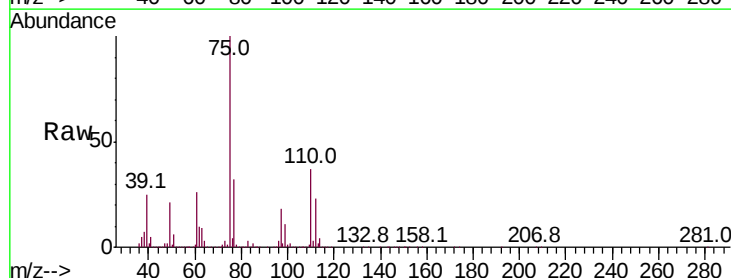
Acq: 09 May 2019 15:55

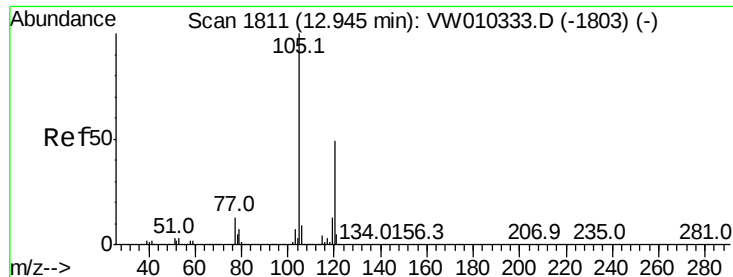
Tgt Ion: 75 Resp: 1282092

Ion Ratio Lower Upper

75 100

77 32.3 0.0 0.0#





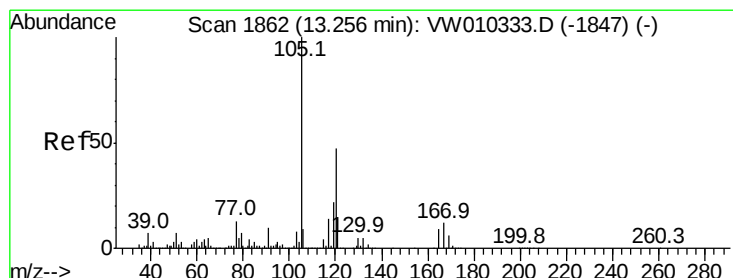
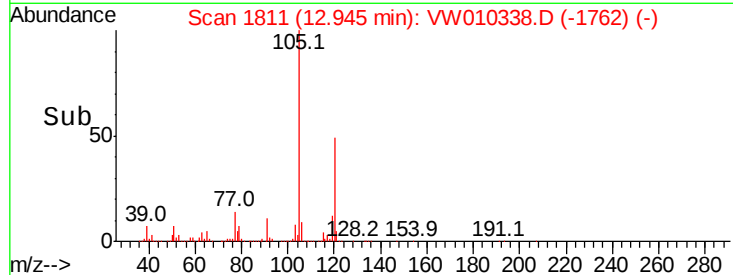
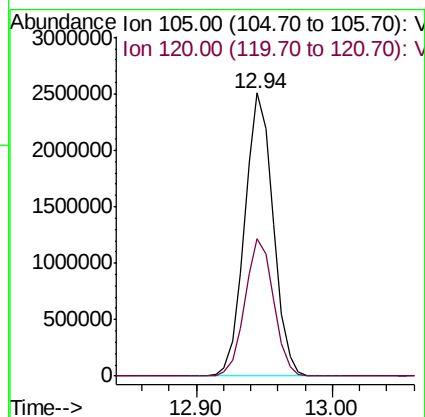
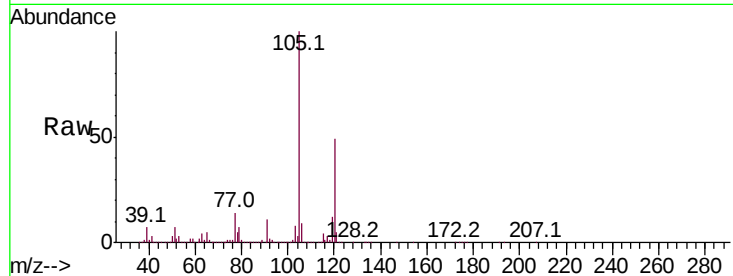
#80
 1,3,5-Trimethylbenzene
 Concen: 58.342 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Instrument :
 MSVOA_W
 ClientSampled :
 PT-VOA-SOIL

Tot Ion:105 Resp: 3662535
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.3 72.8

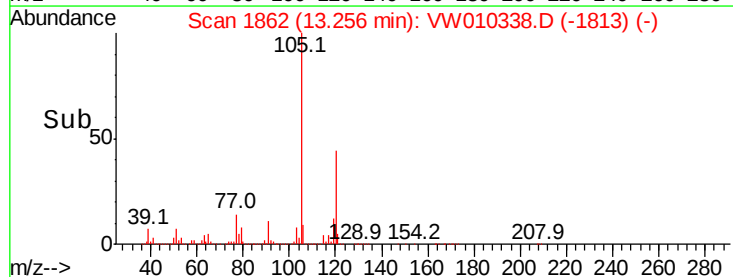
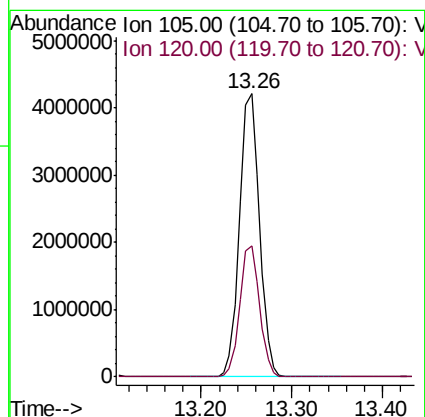
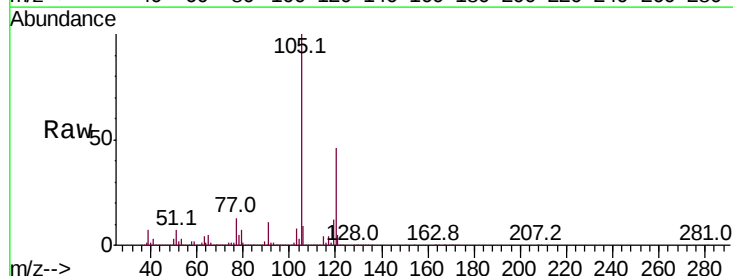
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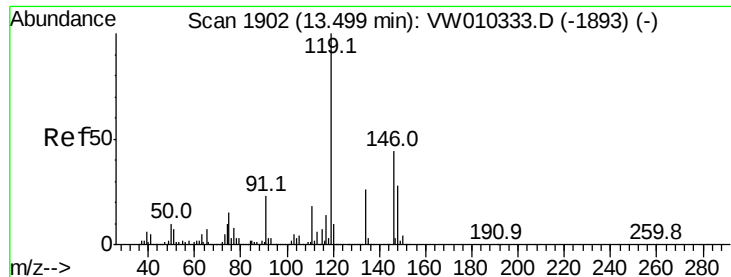
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 103.262 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Tgt Ion:105 Resp: 6441738
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.6 67.7





#87

1,3-Dichlorobenzene

Concen: 181.440 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

PT-VOA-SOIL

Tot Ion:146 Resp: 6091700

Ion Ratio Lower Upper

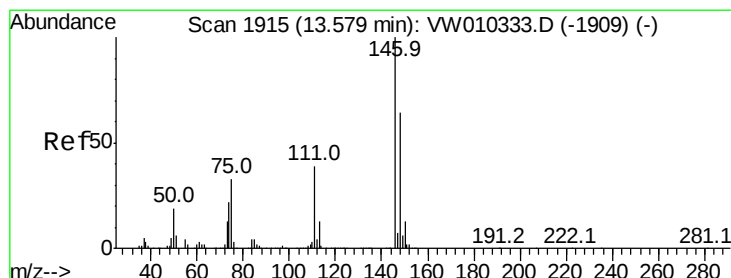
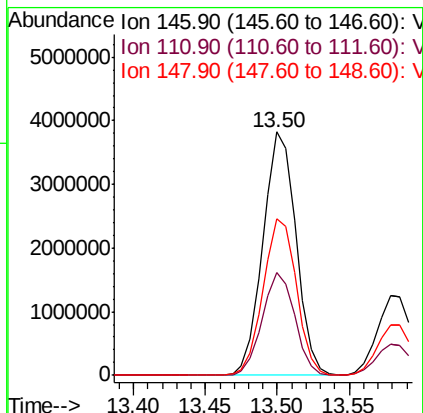
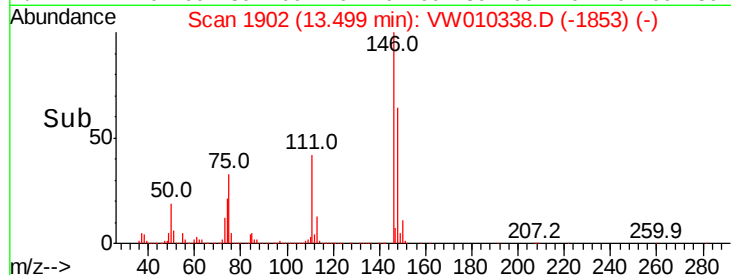
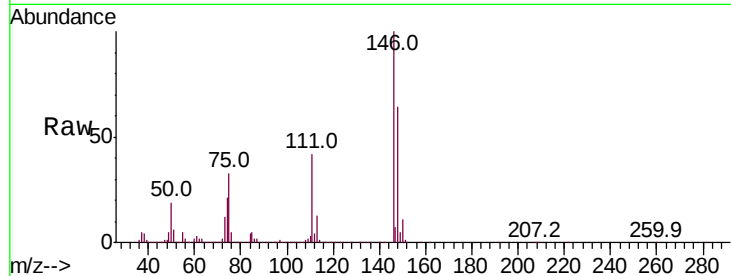
146 100

111 41.4 20.3 61.0

148 64.7 32.0 96.2

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#88

1,4-Dichlorobenzene

Concen: 60.682 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010338.D

Acq: 09 May 2019 15:55

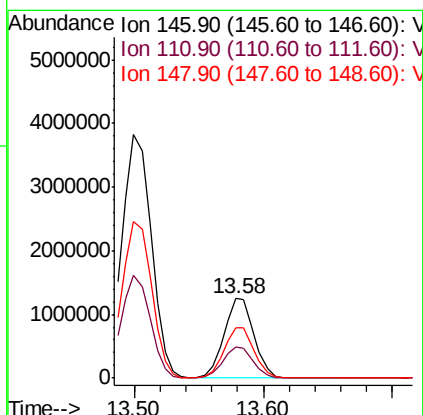
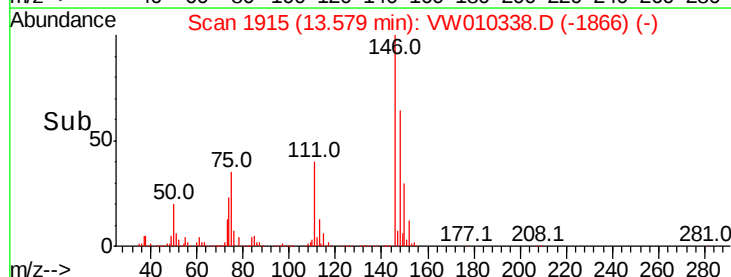
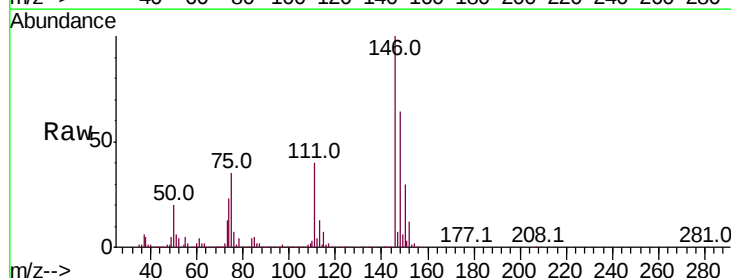
Tgt Ion:146 Resp: 2021834

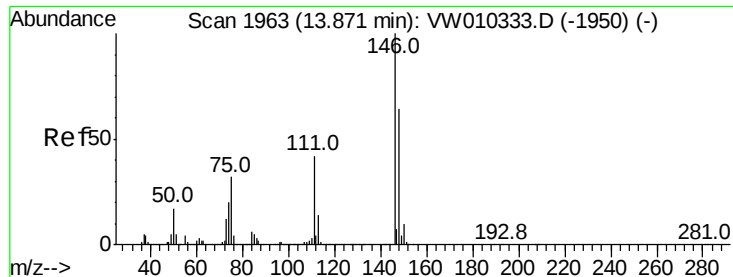
Ion Ratio Lower Upper

146 100

111 40.0 20.1 60.3

148 64.1 31.8 95.3





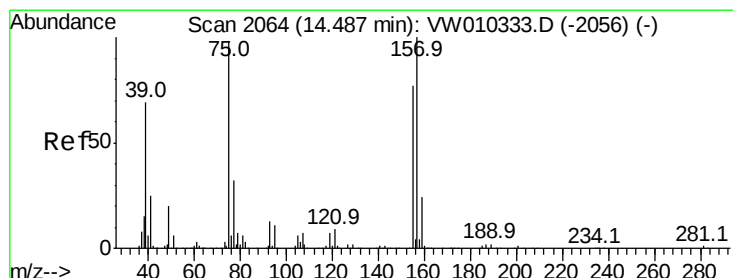
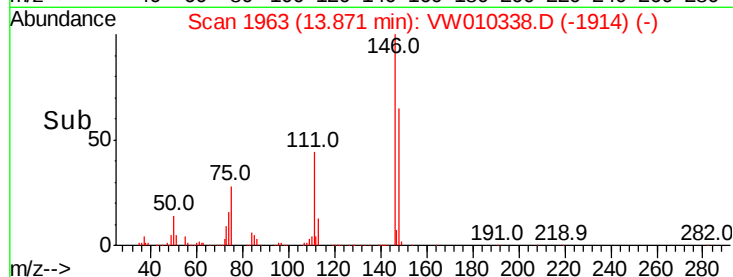
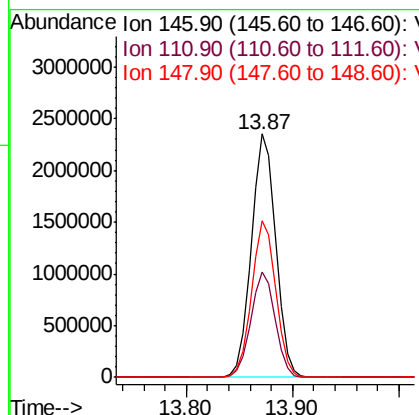
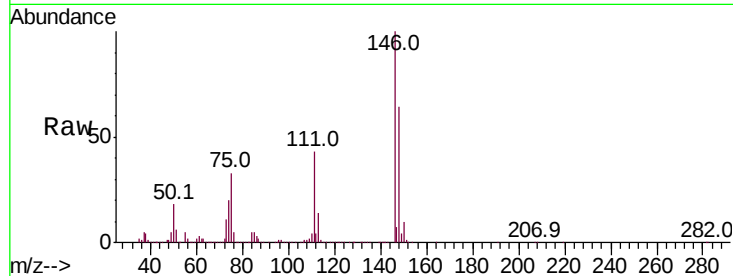
#91
 1,2-Dichlorobenzene
 Concen: 127.375 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOIL

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.9	62.8
148	63.7	31.9	95.7

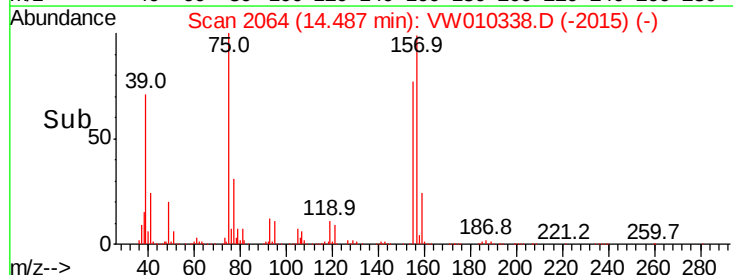
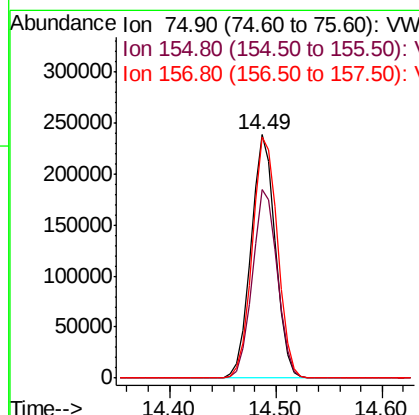
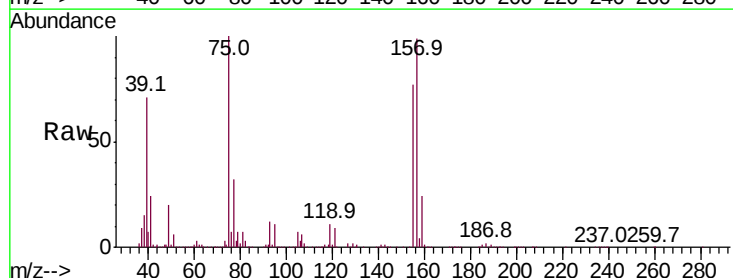
Manual Integrations
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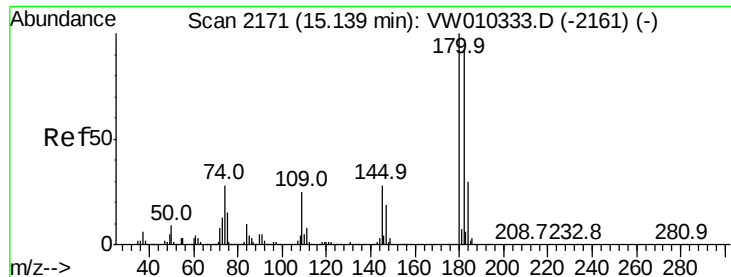
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 129.562 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.4	37.1	111.5
157	102.6	47.3	141.9





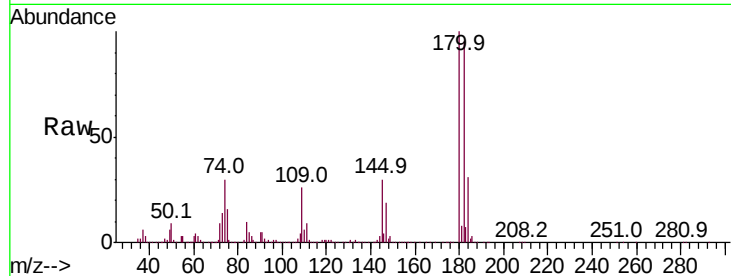
#93
 1,2,4-Trichlorobenzene
 Concen: 193.650 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 PT-VOA-SOIL

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.4
145	30.4	15.2	45.6

Manual Integrations
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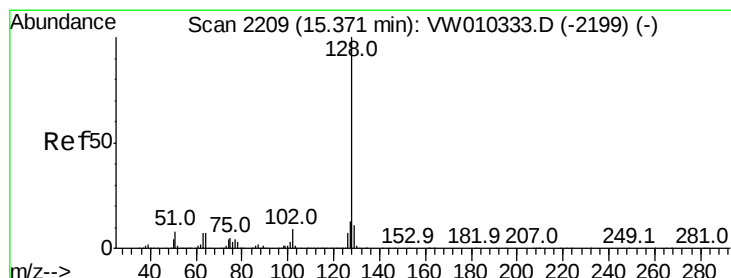
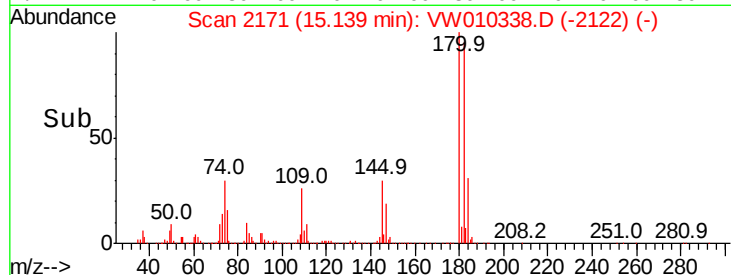
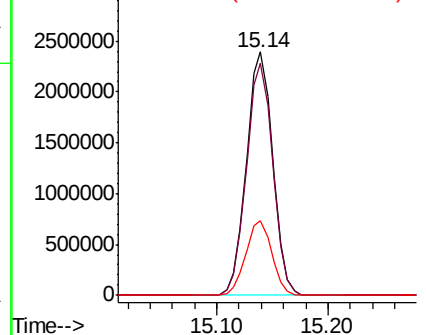


Abundance

Ion 179.80 (179.50 to 180.50): V

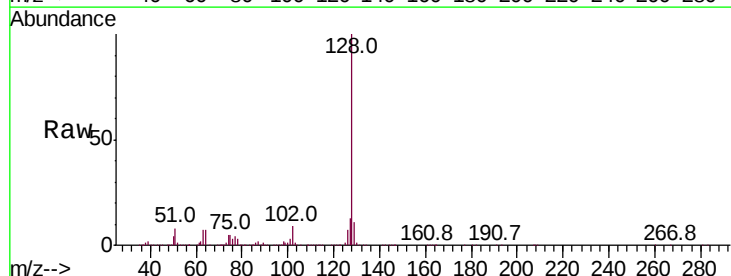
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 87.156 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW010338.D
 Acq: 09 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.9	8.7	13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

