

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011168.D
 Acq On : 08 Jul 2019 19:01
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:13:32 PM

Quant Time: Jul 09 07:13:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 06:41:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	387496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170276	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	140225	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
35) Dibromofluoromethane	7.88	113	110259	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
50) Toluene-d8	10.32	98	443334	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
62) 4-Bromofluorobenzene	12.62	95	165298	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	77660	44.864	ug/l	97
3) Chloromethane	2.21	50	103198	46.267	ug/l	97
4) Vinyl Chloride	2.36	62	133019	45.564	ug/l	97
5) Bromomethane	2.77	94	69640	47.472	ug/l	97
6) Chloroethane	2.92	64	73847	46.963	ug/l	98
7) Trichlorofluoromethane	3.25	101	43577	42.017	ug/l	97
8) Diethyl Ether	3.67	74	69881	48.697	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	117148	47.157	ug/l	100
10) Methyl Iodide	4.28	142	166202	48.644	ug/l	99
11) Tert butyl alcohol	5.17	59	52031	240.972	ug/l	96
12) 1,1-Dichloroethene	4.04	96	122858	47.649	ug/l	96
13) Acrolein	3.89	56	43168	251.069	ug/l	99
14) Allyl chloride	4.66	41	212802	45.260	ug/l	99
15) Acrylonitrile	5.36	53	177791	243.270	ug/l	99
16) Acetone	4.12	43	167755	239.062	ug/l	97
17) Carbon Disulfide	4.38	76	368722	47.170	ug/l	99
18) Methyl Acetate	4.66	43	92789	46.397	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	190043	48.576	ug/l	98
20) Methylene Chloride	4.92	84	134081	48.435	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	129697	48.409	ug/l	97
22) Diisopropyl ether	6.31	45	500082	49.451	ug/l	98
23) Vinyl Acetate	6.25	43	1624648	259.592	ug/l	100
24) 1,1-Dichloroethane	6.21	63	258819	48.739	ug/l	100
25) 2-Butanone	7.17	43	272282	247.188	ug/l	98
26) 2,2-Dichloropropane	7.16	77	126422	45.799	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	141535	48.973	ug/l	99
28) Bromochloromethane	7.51	49	119703	49.575	ug/l	99
29) Tetrahydrofuran	7.52	42	180045	249.275	ug/l	99
30) Chloroform	7.67	83	236312	48.052	ug/l	100
31) Cyclohexane	7.95	56	260365	46.087	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	177279	47.388	ug/l	99
36) 1,1-Dichloropropene	8.08	75	193128	46.802	ug/l	100
37) Ethyl Acetate	7.25	43	120639	48.659	ug/l	100
38) Carbon Tetrachloride	8.06	117	167091	47.766	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	240650	48.116	ug/l	99
40) Benzene	8.32	78	544793	47.772	ug/l	98
41) Methacrylonitrile	7.48	41	75990	53.590	ug/l	89
42) 1,2-Dichloroethane	8.40	62	177392	47.952	ug/l	100
43) Isopropyl Acetate	8.42	43	228417	48.798	ug/l	99
44) Trichloroethene	9.09	130	131432	47.893	ug/l	100
45) 1,2-Dichloropropane	9.37	63	149342	48.360	ug/l	100
46) Dibromomethane	9.46	93	70657	48.707	ug/l	99
47) Bromodichloromethane	9.64	83	178826	48.178	ug/l	100
48) Methyl methacrylate	9.43	41	110284	48.973	ug/l	98
49) 1,4-Dioxane	9.44	88	24010	991.573	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	606328	247.970	ug/l	100
52) Toluene	10.38	92	333797	48.252	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	192550	48.735	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	226590	48.724	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	100385	48.778	ug/l	98
56) Ethyl methacrylate	10.65	69	156845	50.058	ug/l	98
57) 1,3-Dichloropropane	10.93	76	187833	48.266	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	384806	264.914	ug/l	98
59) 2-Hexanone	10.97	43	420106	247.745	ug/l	100
60) Dibromochloromethane	11.13	129	111457	49.389	ug/l	99
61) 1,2-Dibromoethane	11.23	107	95212	48.842	ug/l	99
64) Tetrachloroethene	10.86	164	110387	47.261	ug/l	97
65) Chlorobenzene	11.66	112	337602	47.973	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	121256	48.936	ug/l	98
67) Ethyl Benzene	11.73	91	650173	48.261	ug/l	99
68) m/p-Xylenes	11.84	106	476409	97.730	ug/l	99
69) o-Xylene	12.16	106	224204	48.798	ug/l	99
70) Styrene	12.18	104	389850	49.165	ug/l	99
71) Bromoform	12.35	173	62363	47.337	ug/l #	100
73) Isopropylbenzene	12.46	105	611059	48.006	ug/l	99
74) N-amyl acetate	12.27	43	220137	49.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	125177	47.975	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	86179m	43.796	ug/l	
77) Bromobenzene	12.75	156	137268	48.054	ug/l	99
78) n-propylbenzene	12.80	91	755457	48.180	ug/l	100
79) 2-Chlorotoluene	12.89	91	427567	47.386	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	525656	48.610	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40534	46.591	ug/l	99
82) 4-Chlorotoluene	12.99	91	449920	47.873	ug/l	100
83) tert-Butylbenzene	13.21	119	439554	48.739	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	525182	48.367	ug/l	100
85) sec-Butylbenzene	13.38	105	626386	48.134	ug/l	100
86) p-Isopropyltoluene	13.50	119	569258	48.772	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	264490	48.124	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	264311	47.758	ug/l	99
89) n-Butylbenzene	13.82	91	575223	49.402	ug/l	100
90) Hexachloroethane	14.09	117	100949	47.330	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	240033	48.141	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21778	47.056	ug/l	99

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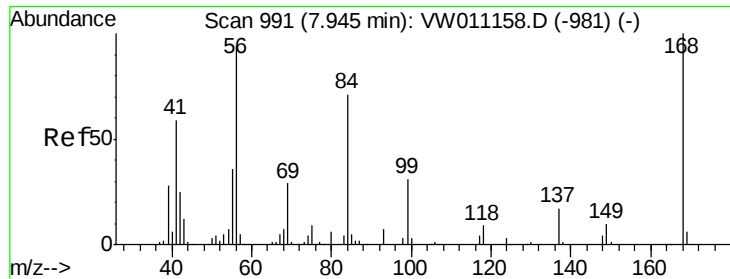
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	172981	50.369	ug/l	99
94) Hexachlorobutadiene	15.24	225	100695	47.758	ug/l	98
95) Naphthalene	15.37	128	346264	52.615	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	154793	51.071	ug/l	99

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



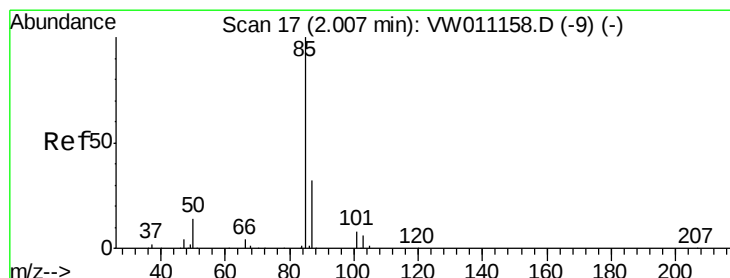
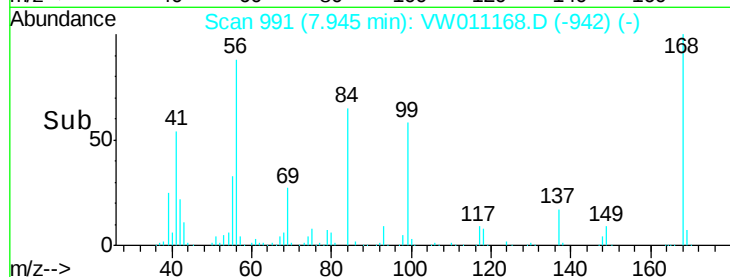
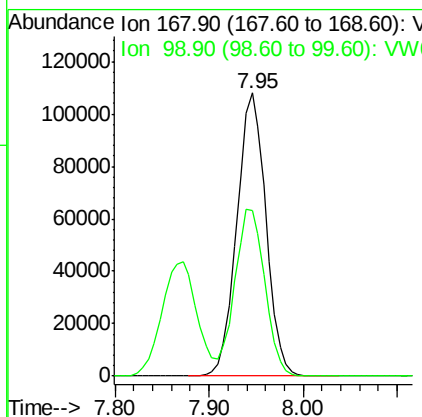
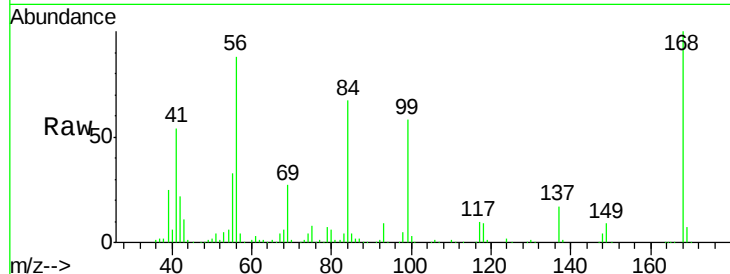
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 991
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 232099
Ion Ratio Lower Upper
168 100
99 58.3 50.1 75.1

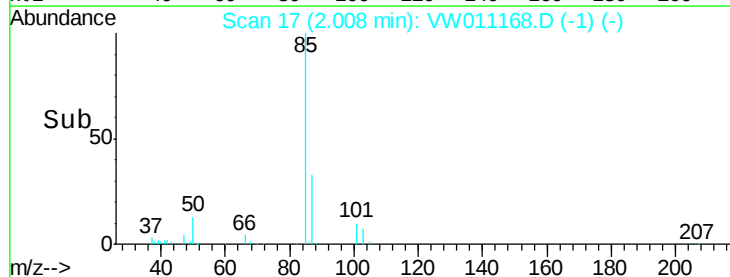
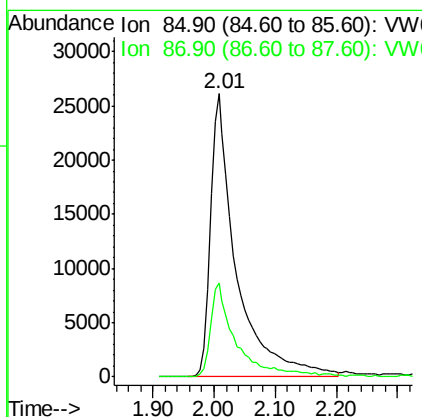
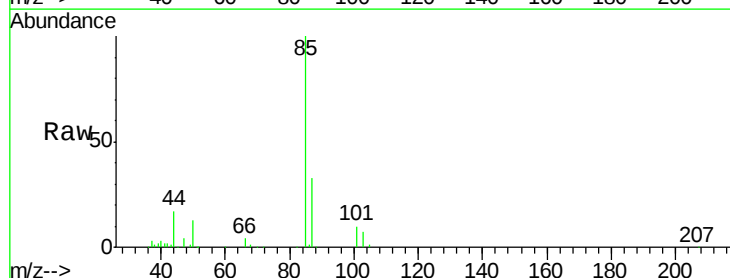
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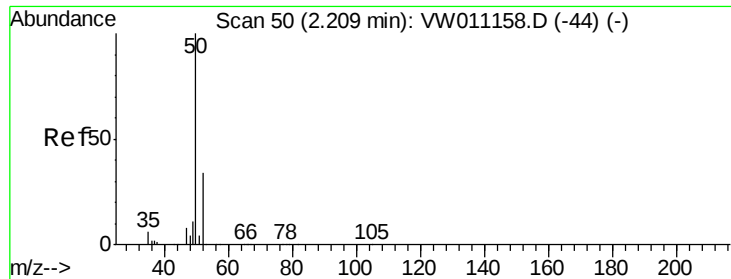
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#2
Dichlorodifluoromethane
Concen: 44.864 ug/l
RT: 2.01 min Scan# 17
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion: 85 Resp: 77660
Ion Ratio Lower Upper
85 100
87 33.2 15.9 47.6





#3

Chloromethane

Concen: 46.267 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 103198

Ion Ratio Lower Upper

50 100

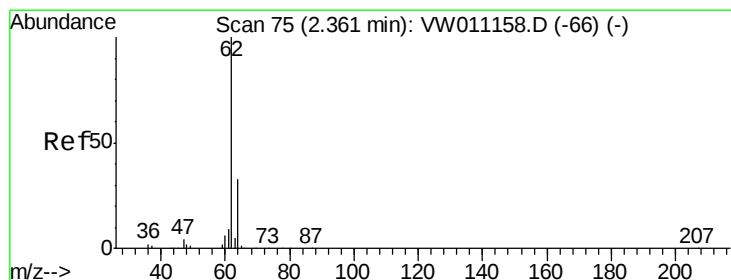
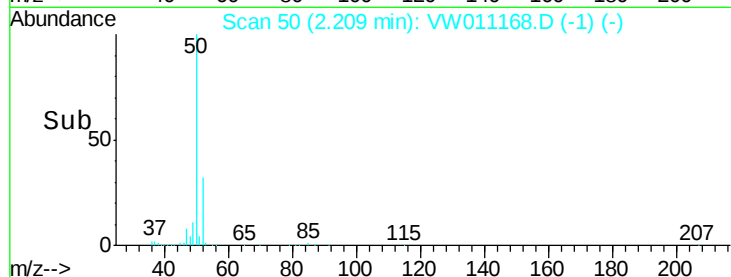
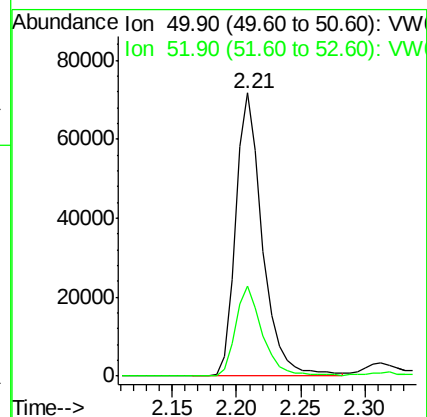
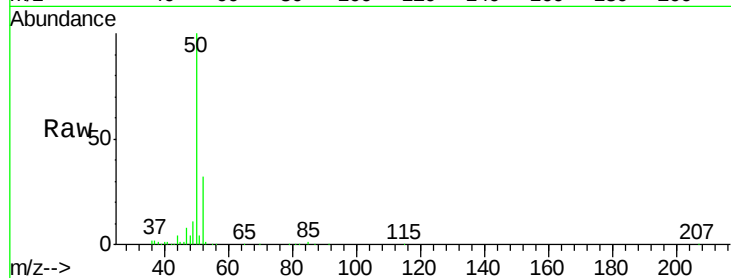
52 31.9 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.564 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011168.D

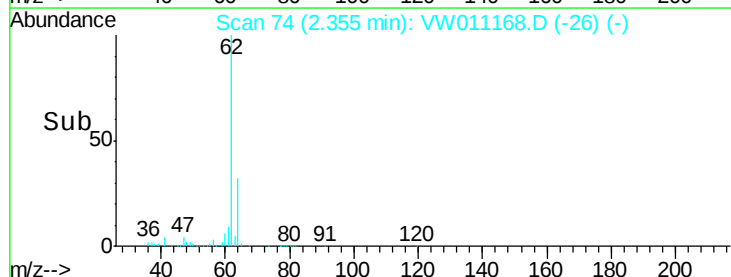
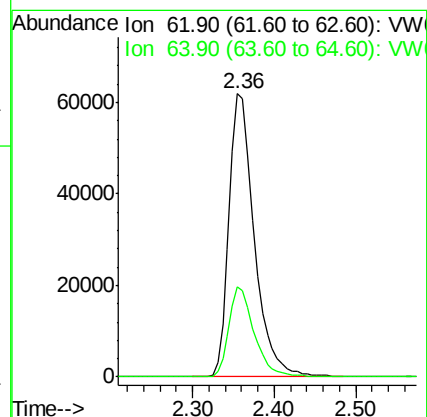
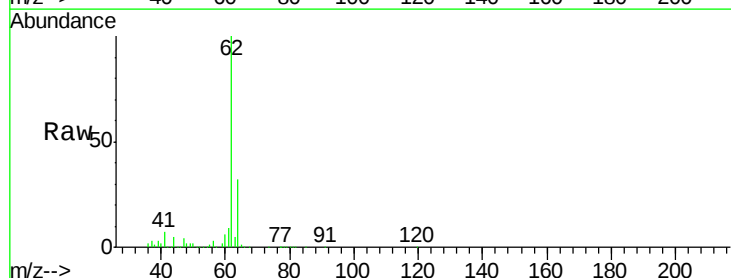
Acq: 08 Jul 2019 19:01

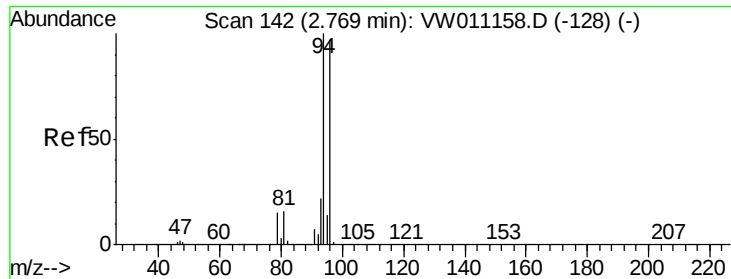
Tgt Ion: 62 Resp: 133019

Ion Ratio Lower Upper

62 100

64 31.6 26.6 40.0





#5

Bromomethane

Concen: 47.472 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 69640

Ion Ratio Lower Upper

94 100

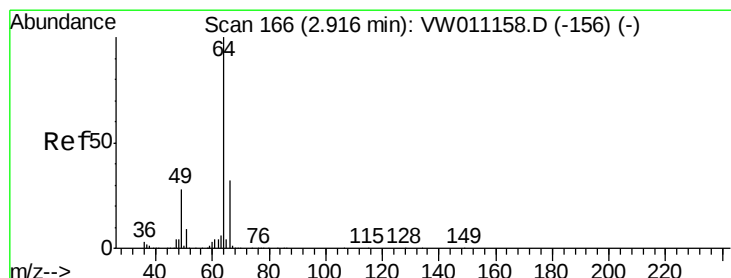
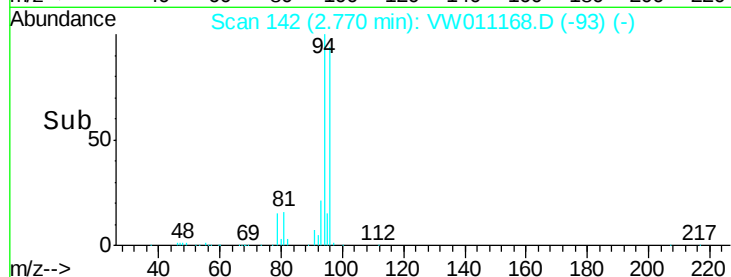
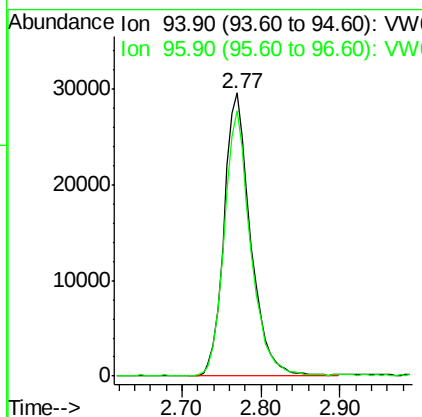
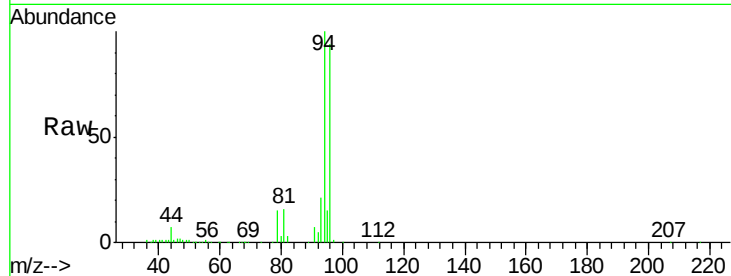
96 93.7 77.4 116.0

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#6

Chloroethane

Concen: 46.963 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011168.D

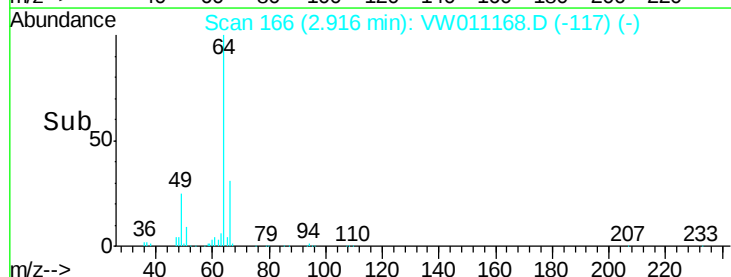
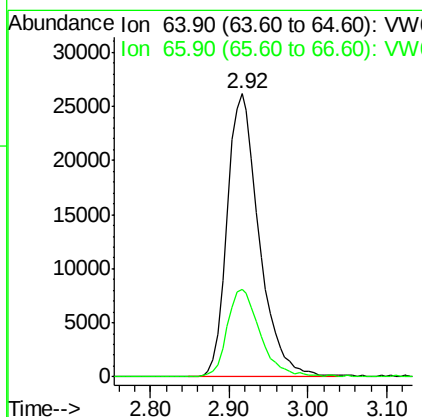
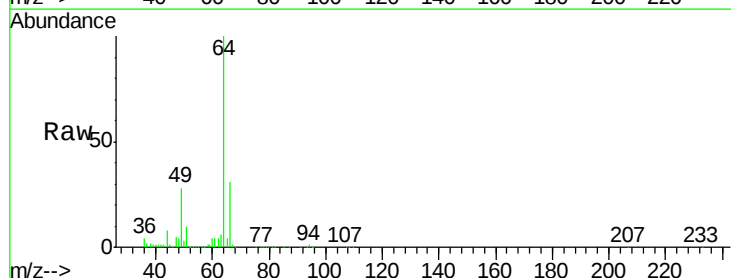
Acq: 08 Jul 2019 19:01

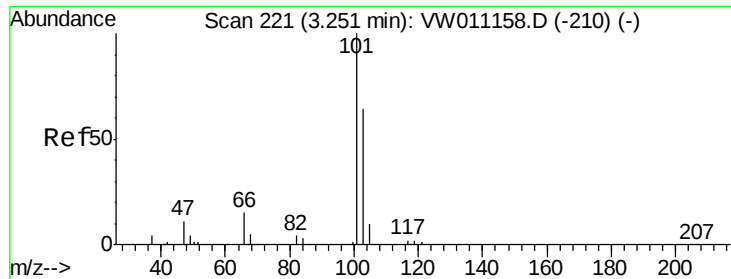
Tgt Ion: 64 Resp: 73847

Ion Ratio Lower Upper

64 100

66 31.1 25.8 38.8





#7

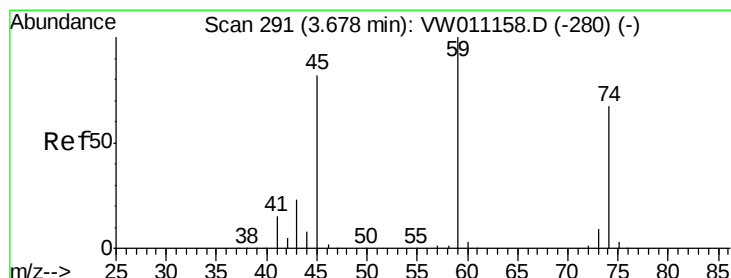
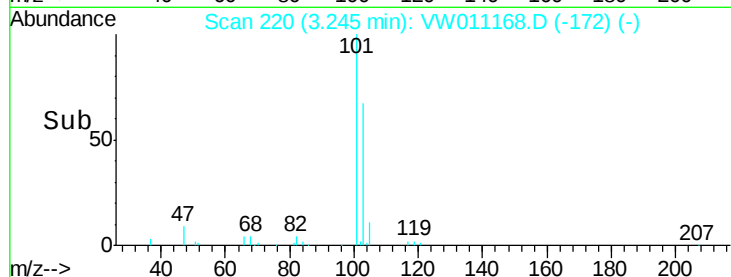
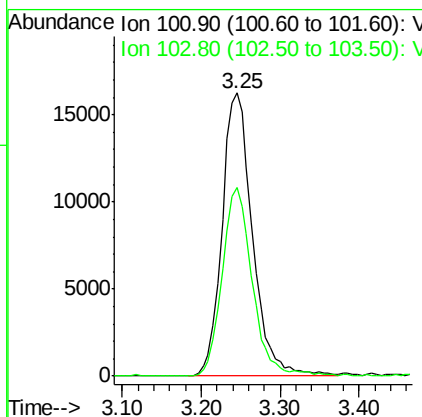
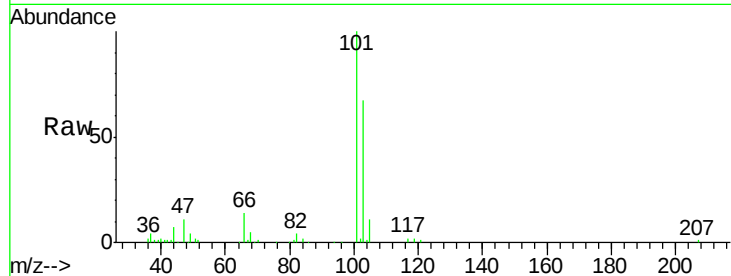
Trichlorofluoromethane
Concen: 42.017 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.3	76.9

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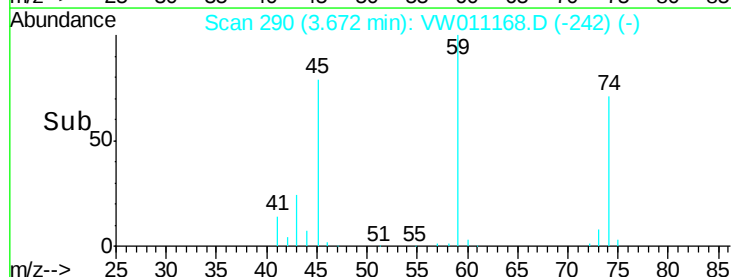
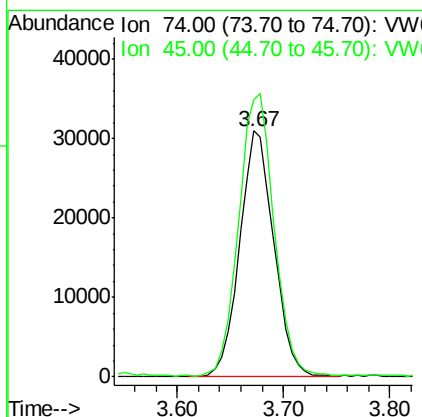
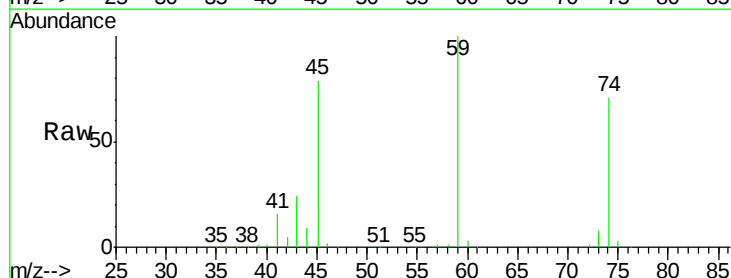
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7/9/2019 4:13:32 PM

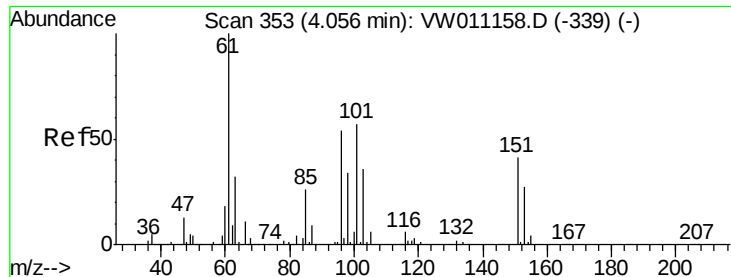


#8

Diethyl Ether
Concen: 48.697 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.6	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.157 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

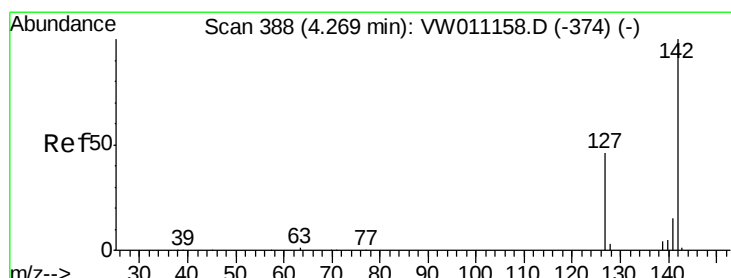
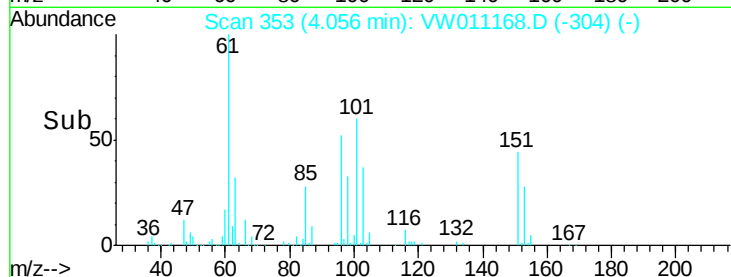
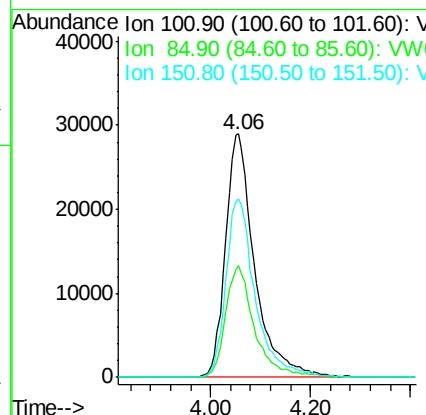
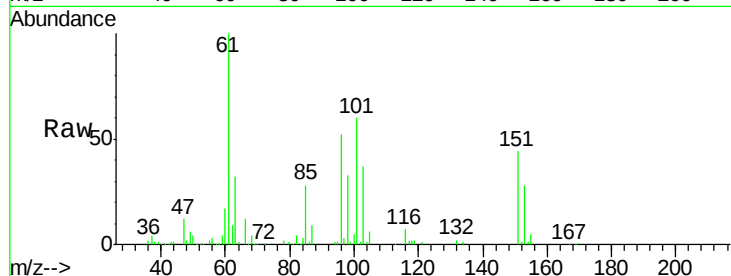
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	117148
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.5	54.7
151	74.0	59.1	88.7

Manual Integrations
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#10

Methyl Iodide

Concen: 48.644 ug/l

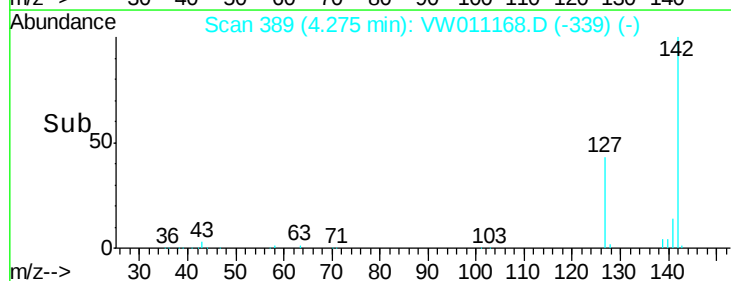
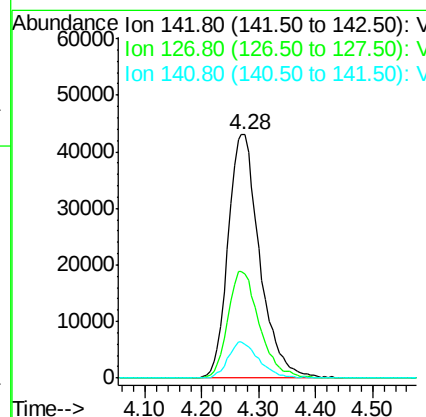
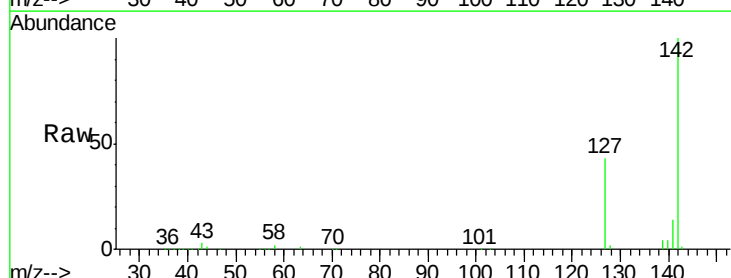
RT: 4.28 min Scan# 389

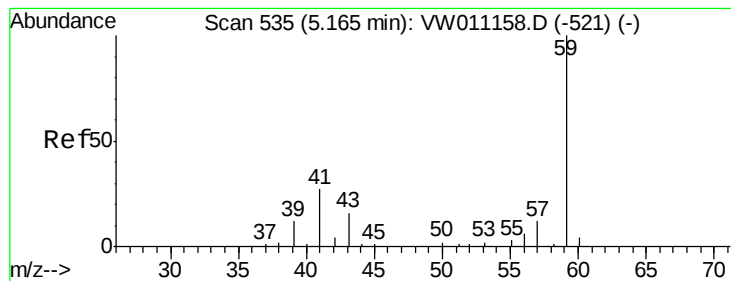
Delta R.T. 0.01 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Tgt Ion:	142	Resp:	166202
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.7	53.5
141	14.5	11.5	17.3





#11

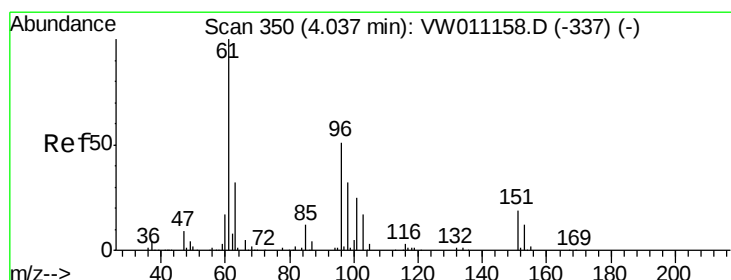
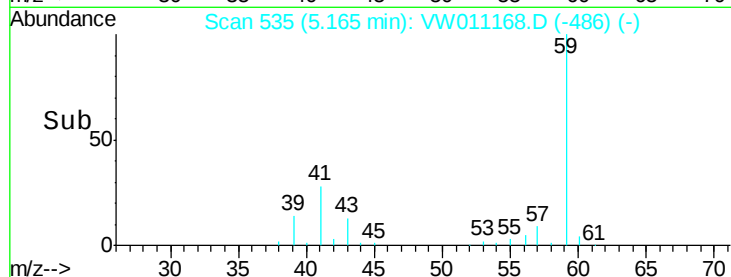
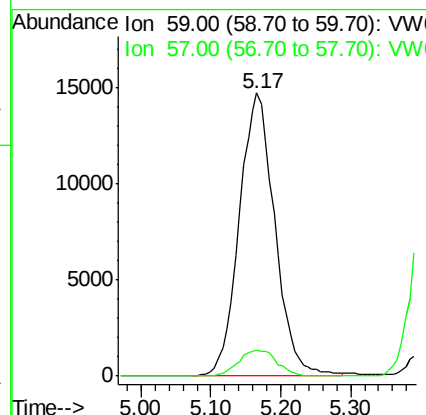
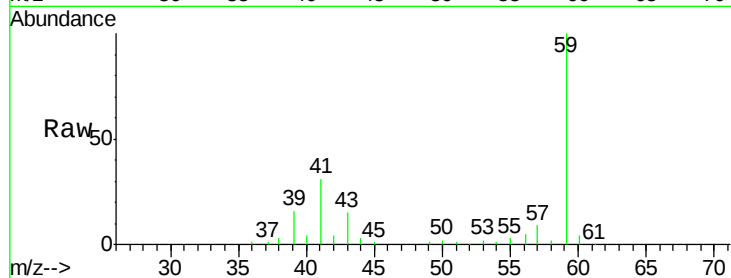
Tert butyl alcohol
Concen: 240.972 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	9.0	13.6

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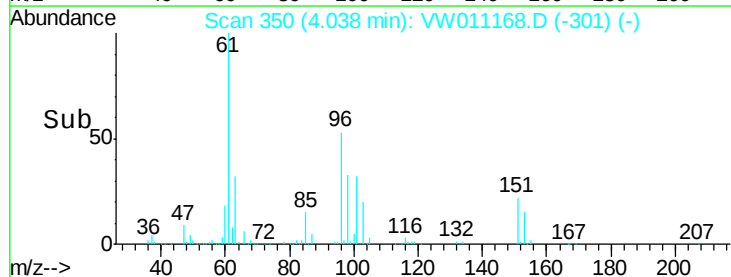
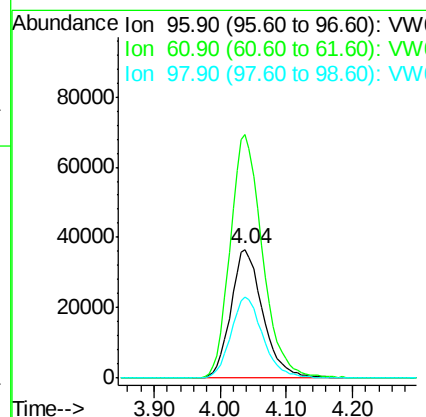
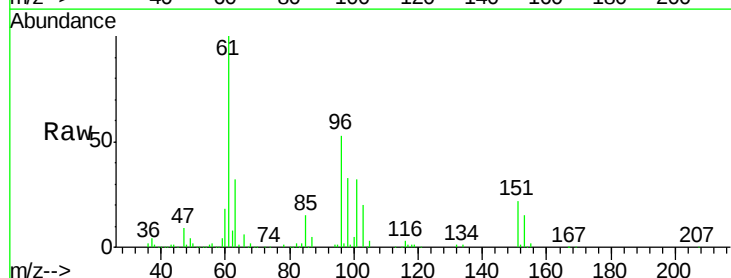
MMDadoda
7/9/2019 4:13:32 PM

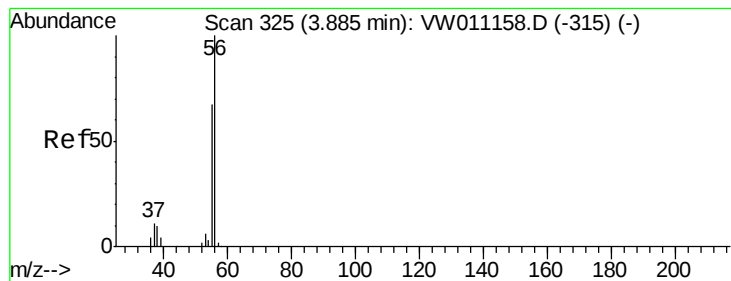


#12

1,1-Dichloroethene
Concen: 47.649 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.2	157.7	236.5
98	63.0	50.9	76.3





#13

Acrolein

Concen: 251.069 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 43168

Ion Ratio Lower Upper

56 100

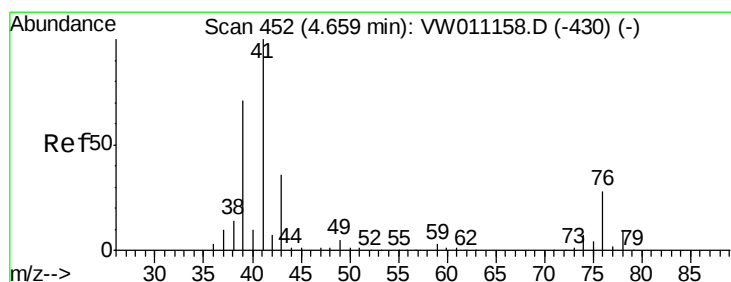
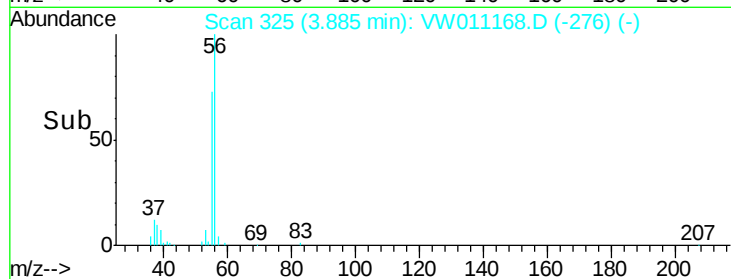
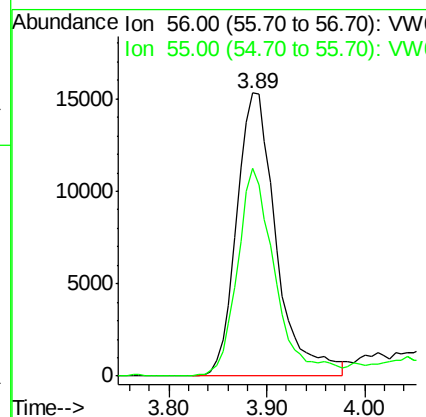
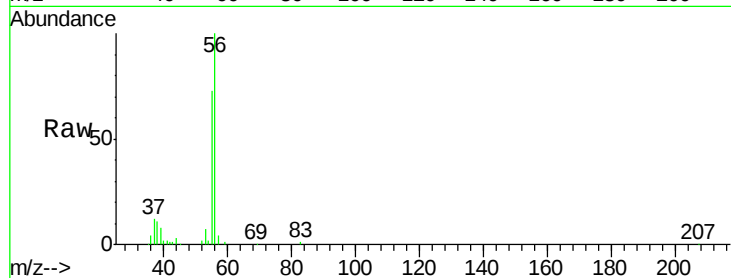
55 69.7 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 45.260 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

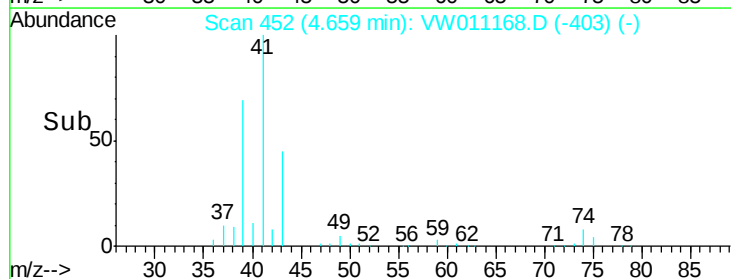
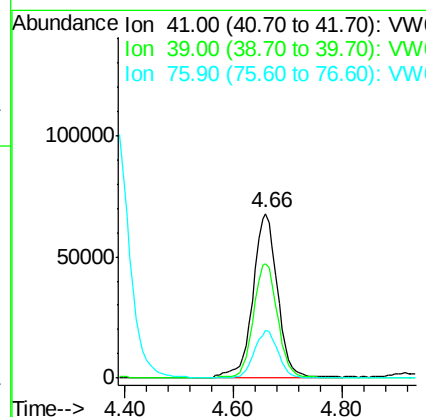
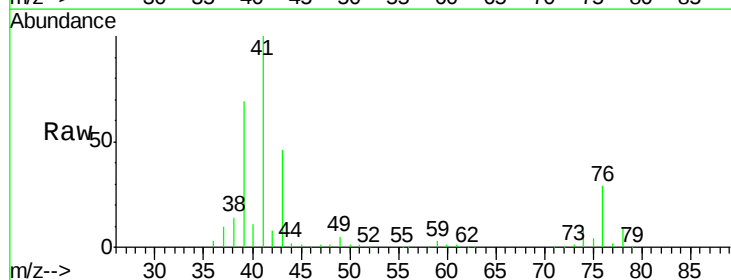
Tgt Ion: 41 Resp: 212802

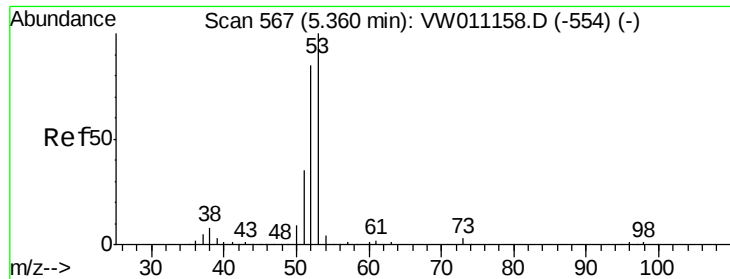
Ion Ratio Lower Upper

41 100

39 68.3 55.1 82.7

76 28.0 22.5 33.7





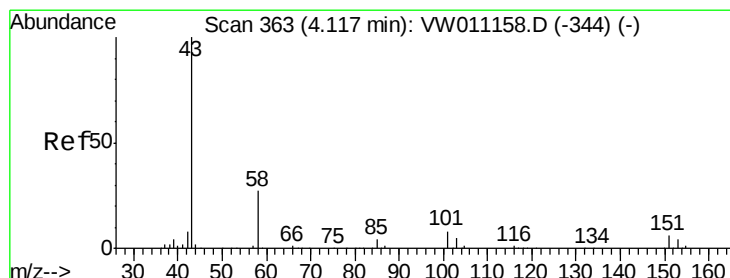
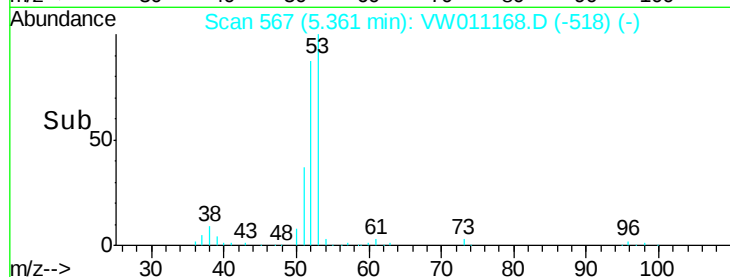
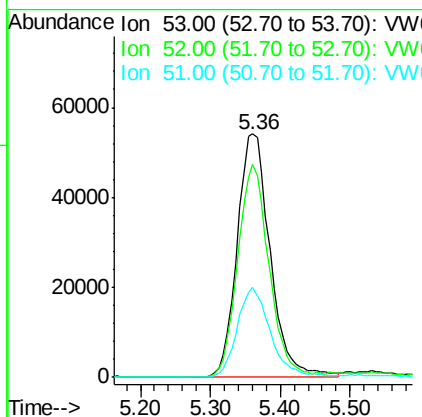
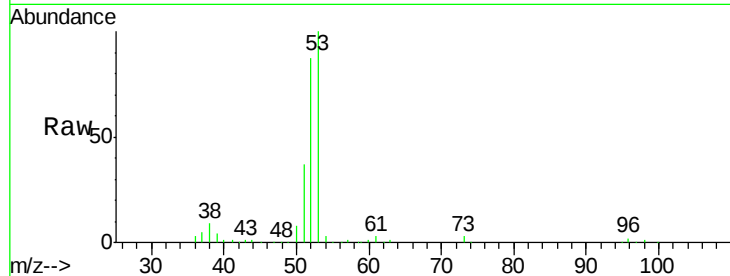
#15
 Acrylonitrile
 Concen: 243.270 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	53	Resp	177791
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.2	99.4
51	36.9	29.1	43.7

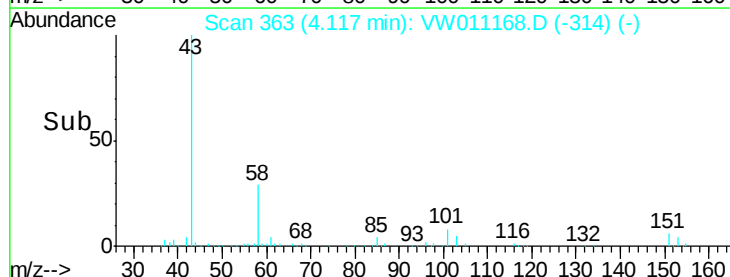
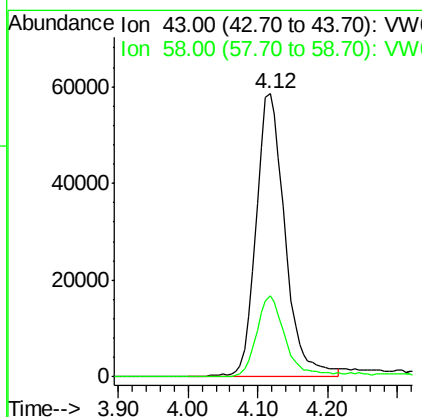
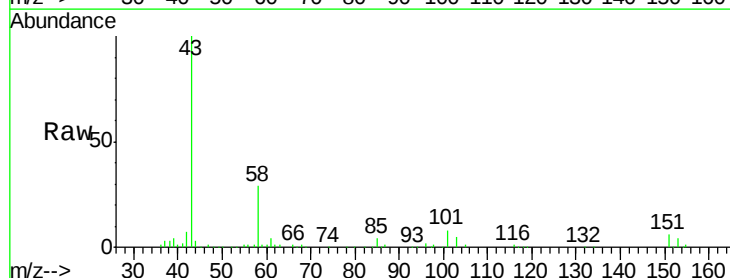
Manual Integrations
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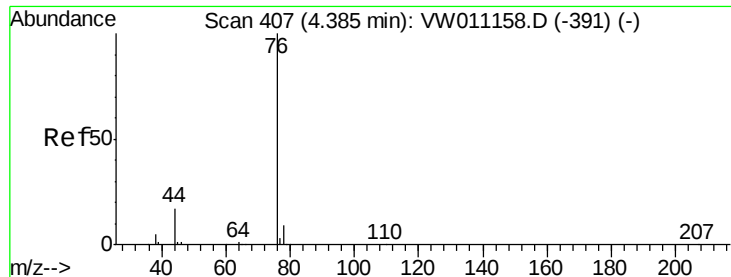
MMDadoda
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#16
 Acetone
 Concen: 239.062 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion	43	Resp	167755
Ion	Ratio	Lower	Upper
43	100		
58	28.7	21.8	32.6





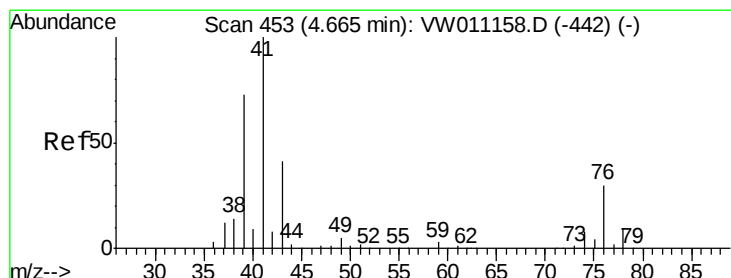
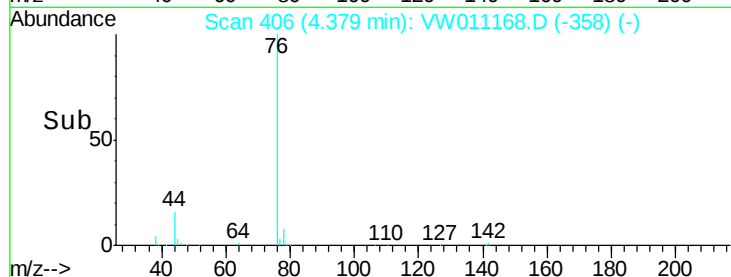
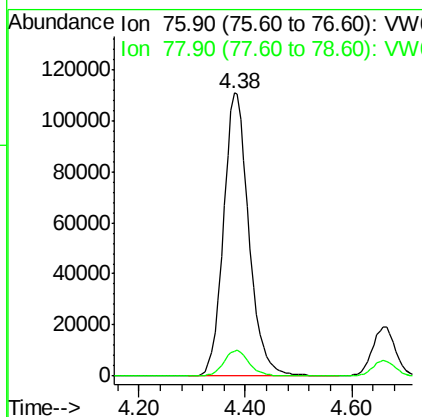
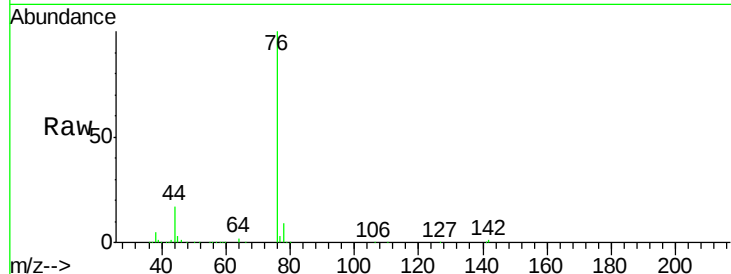
#17
Carbon Disulfide
Concen: 47.170 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.1	10.7

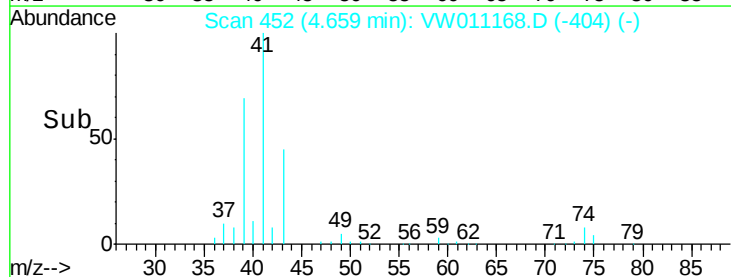
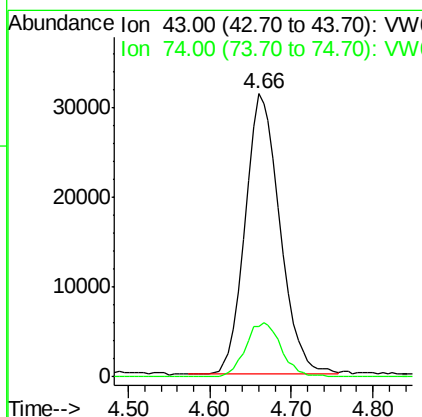
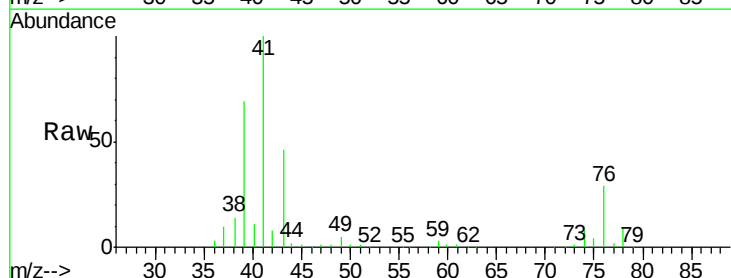
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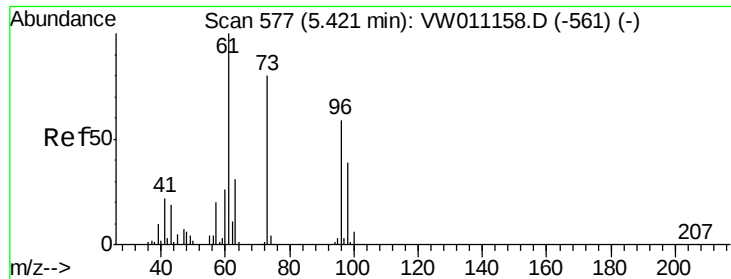
MMDadoda
7/9/2019 4:13:32 PM



#18
Methyl Acetate
Concen: 46.397 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	15.7	23.5





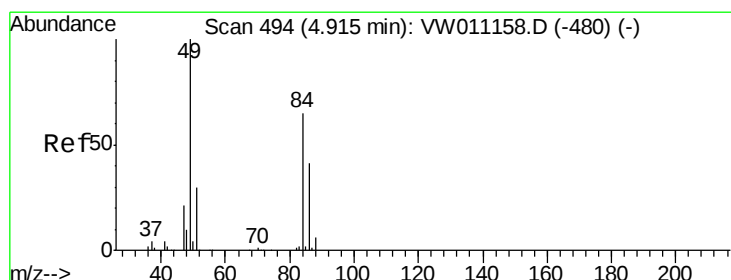
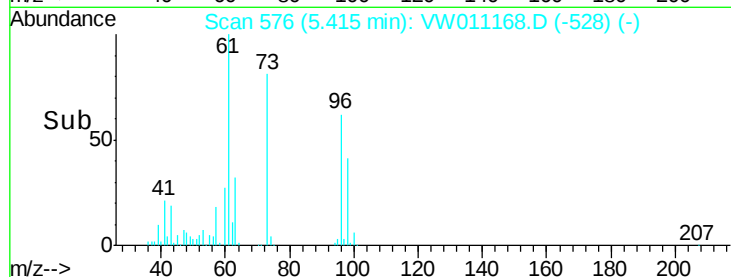
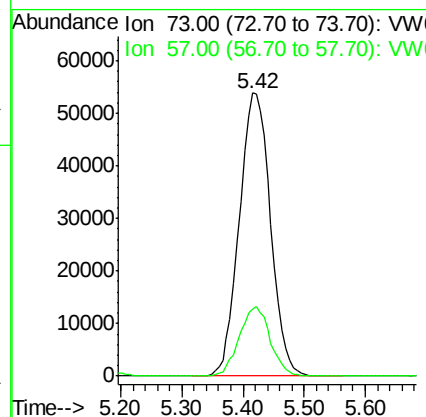
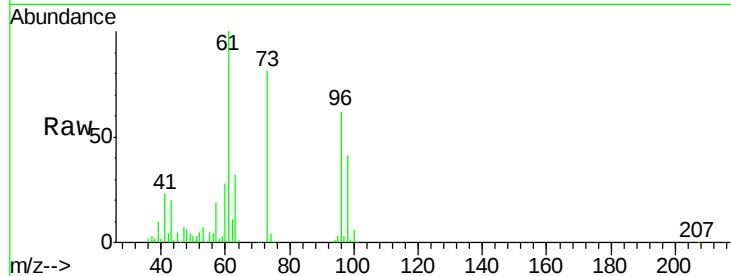
#19
Methyl tert-butyl Ether
Concen: 48.576 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.7	29.5

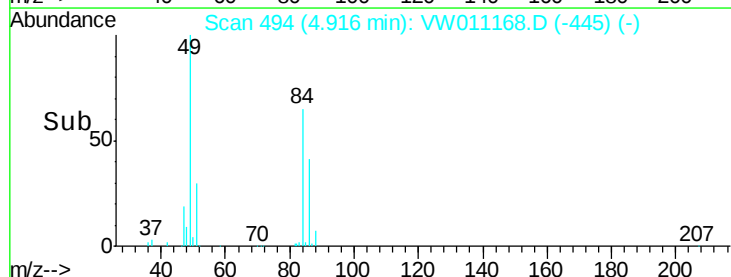
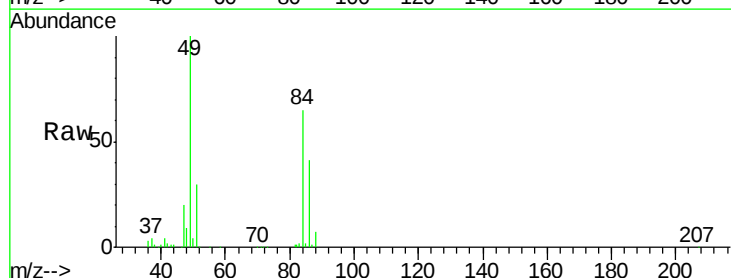
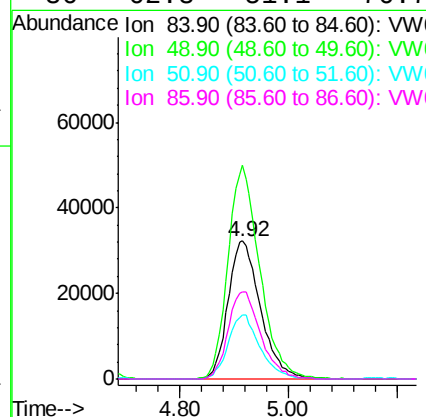
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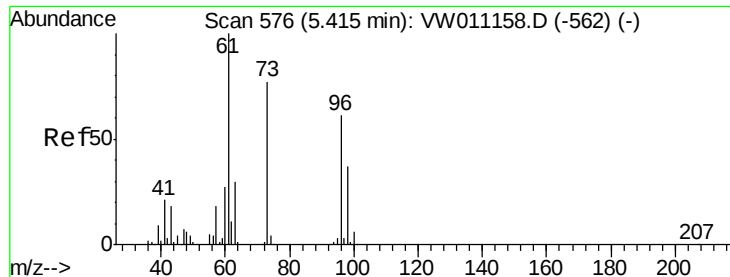
MMDadoda
7/9/2019 4:13:32 PM



#20
Methylene Chloride
Concen: 48.435 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.6	123.8	185.6
51	46.5	37.4	56.2
86	62.8	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 48.409 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

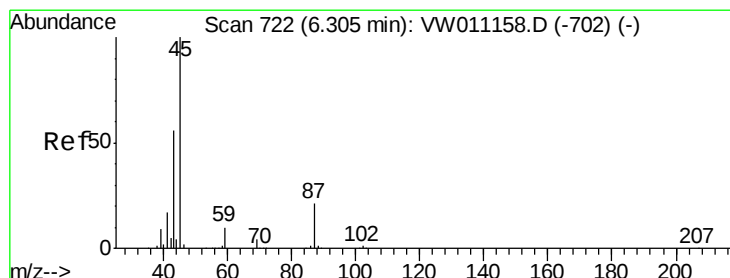
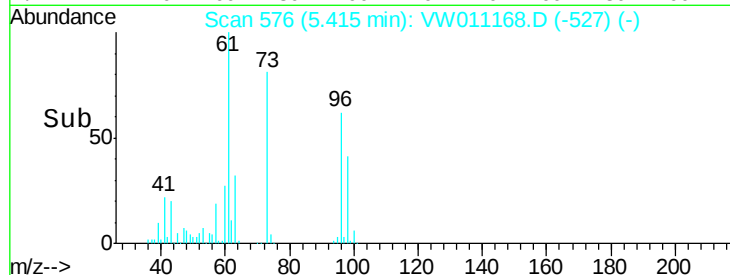
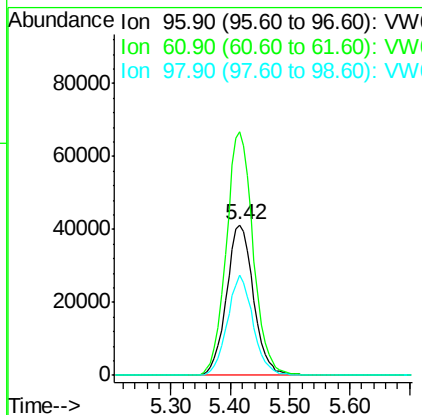
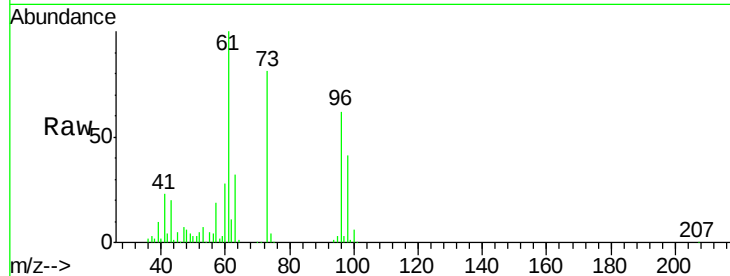
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	129697
Ion	Ratio	Lower	Upper
96	100		
61	161.7	132.2	198.2
98	66.2	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.451 ug/l

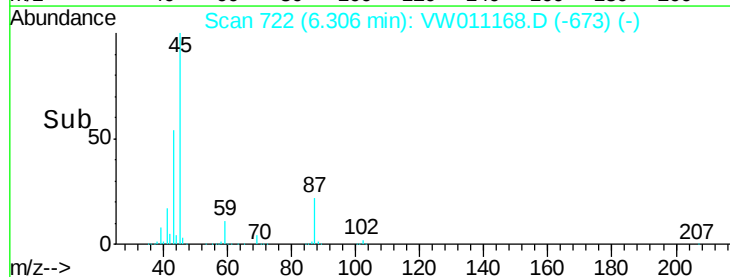
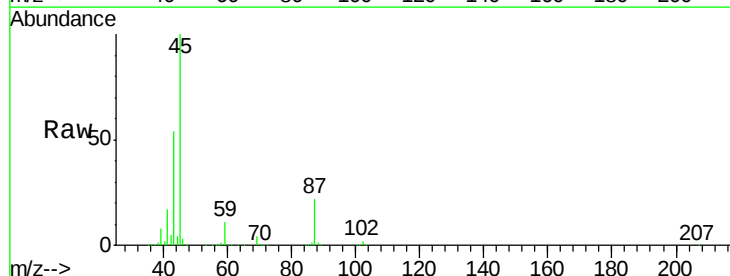
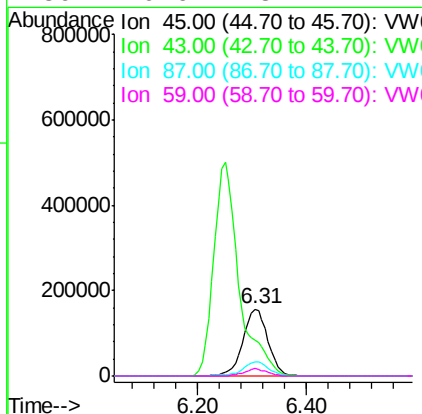
RT: 6.31 min Scan# 722

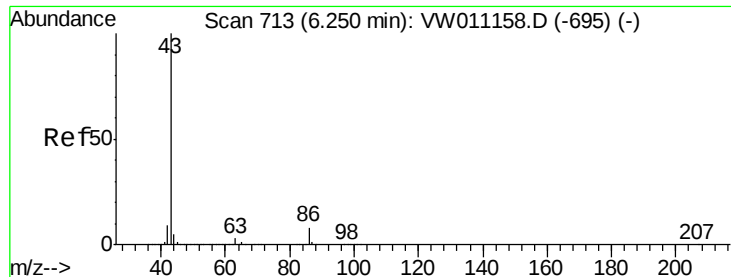
Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Tgt Ion:	45	Resp:	500082
Ion	Ratio	Lower	Upper
45	100		
43	53.8	44.6	66.8
87	21.6	17.3	25.9
59	10.6	8.2	12.2





#23

Vinyl Acetate

Concen: 259.592 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1624648

Ion Ratio Lower Upper

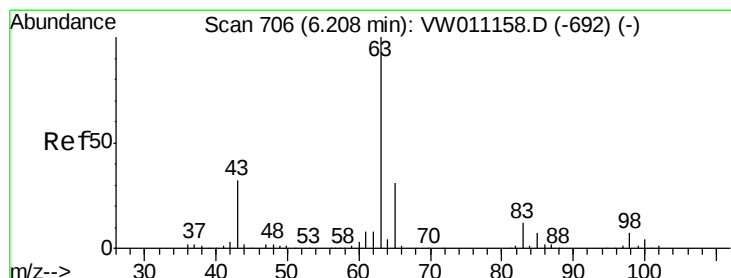
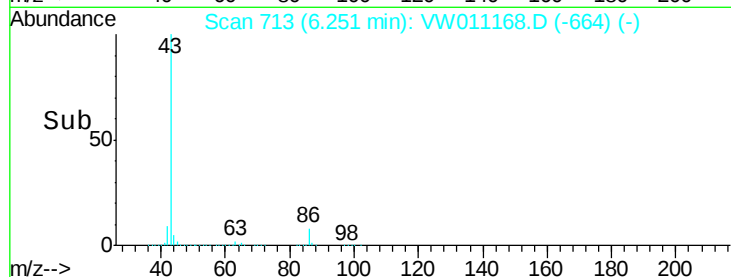
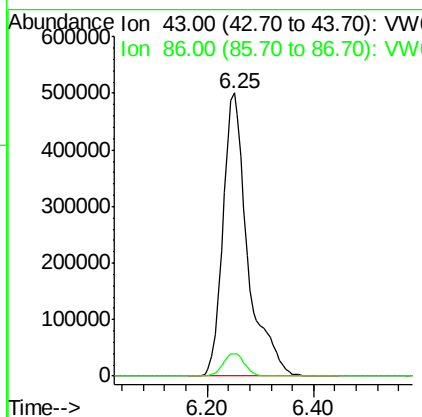
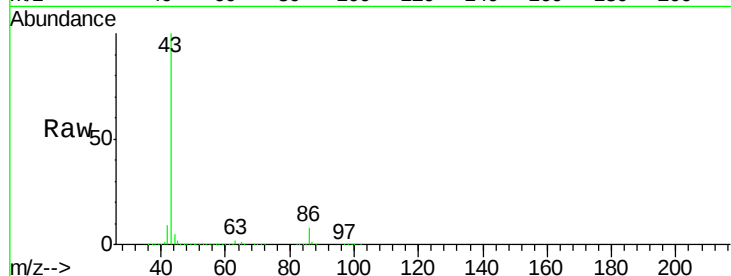
43 100

86 8.1 6.5 9.7

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 48.739 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

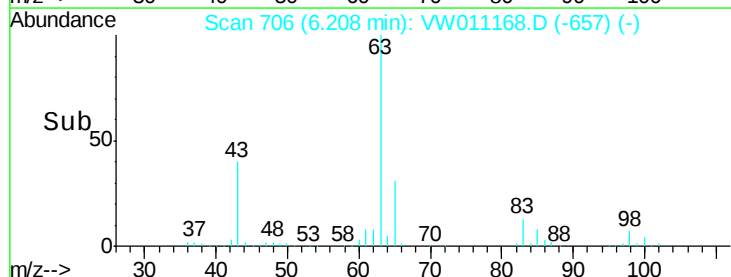
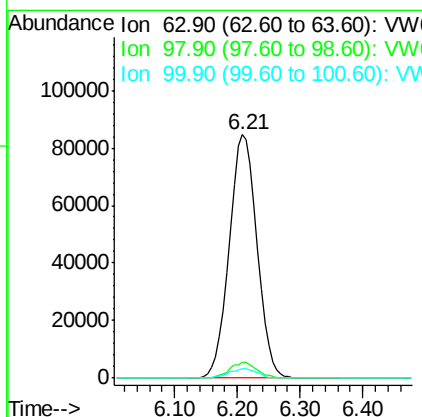
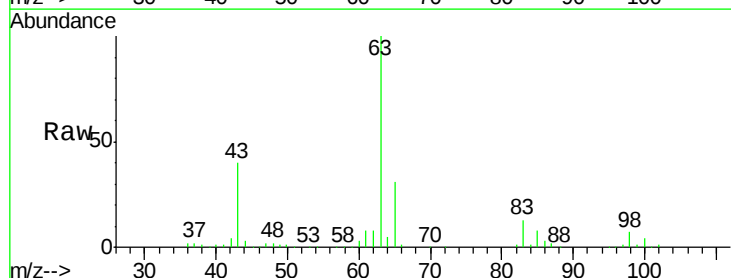
Tgt Ion: 63 Resp: 258819

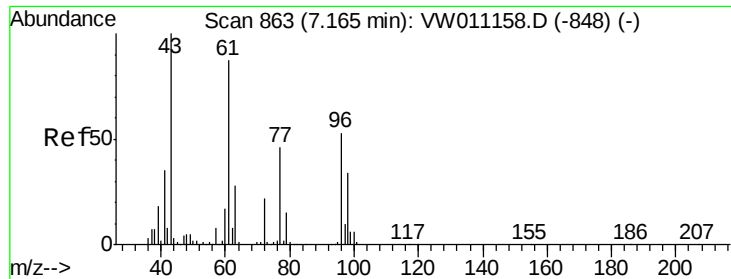
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 247.188 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 272282

Ion Ratio Lower Upper

43 100

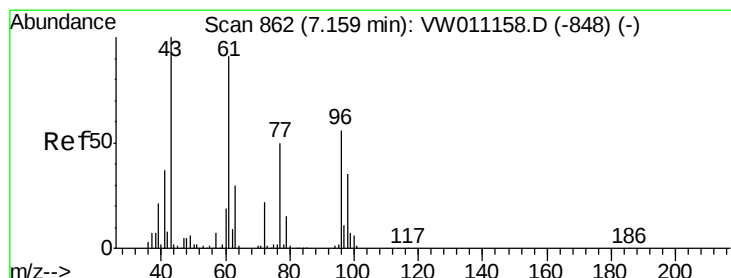
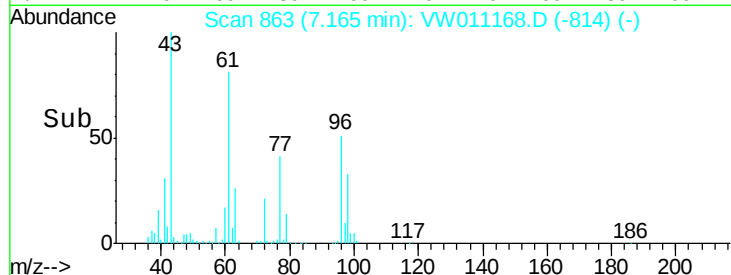
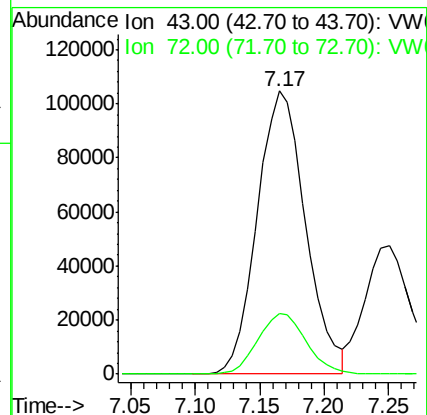
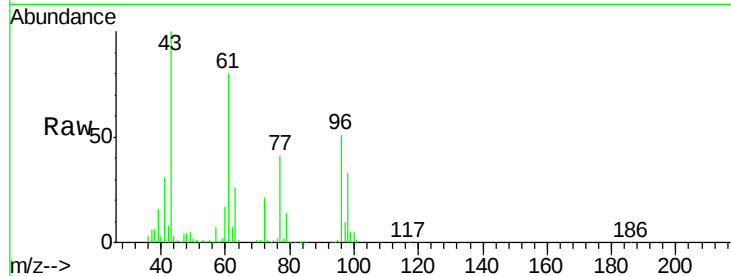
72 21.3 17.6 26.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.799 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011168.D

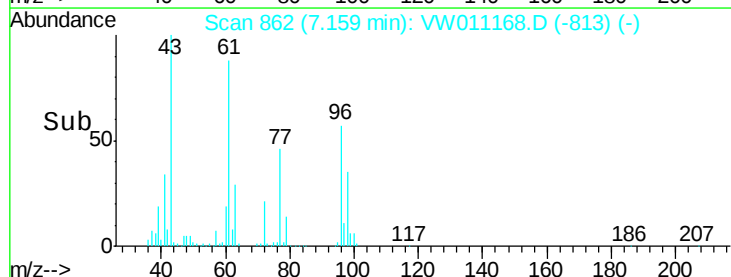
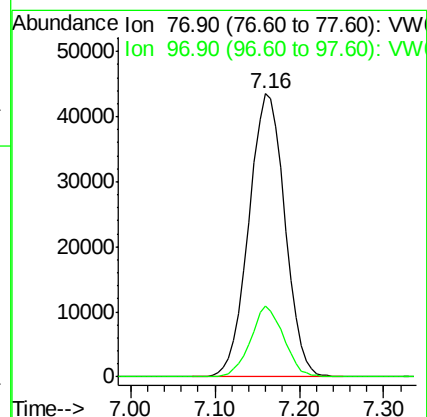
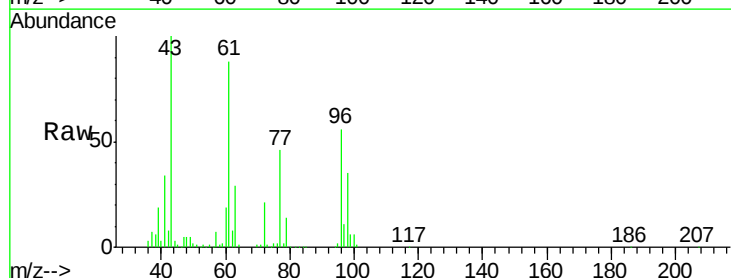
Acq: 08 Jul 2019 19:01

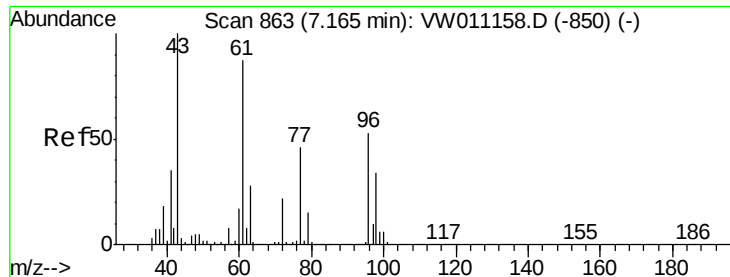
Tgt Ion: 77 Resp: 126422

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.5





#27

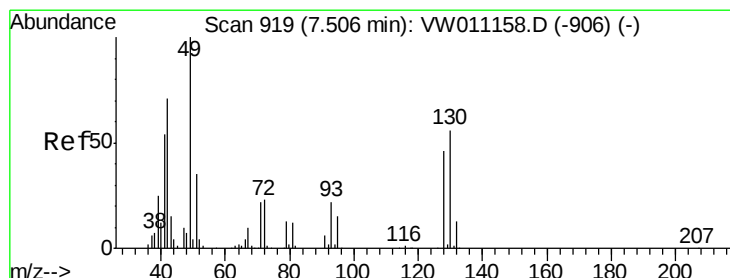
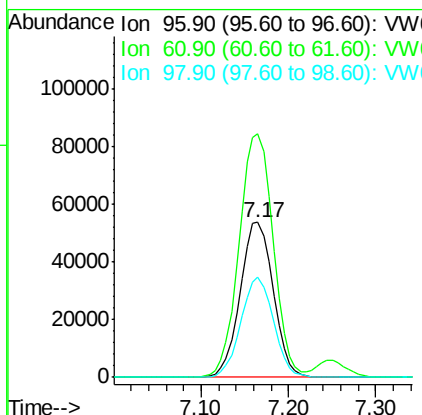
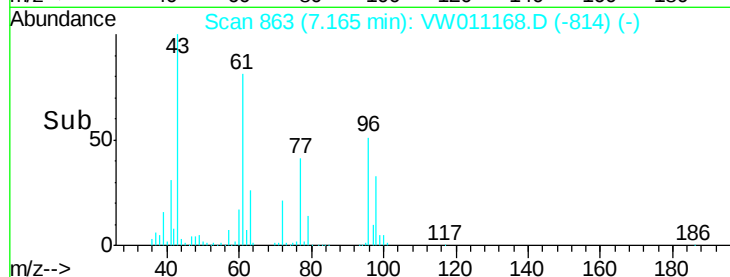
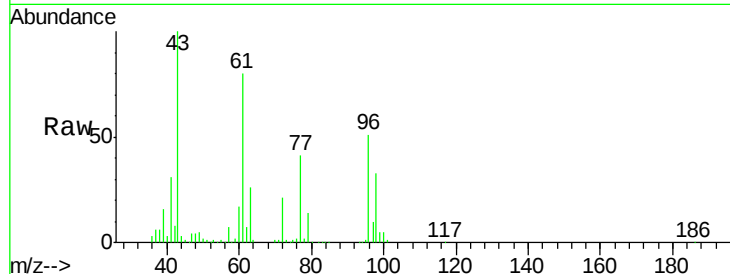
cis-1,2-Dichloroethene
Concen: 48.973 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	325.6
98	63.7	0.0	128.2

Manual Integrations
APPROVED

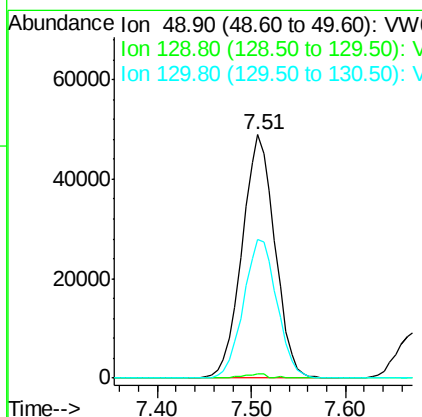
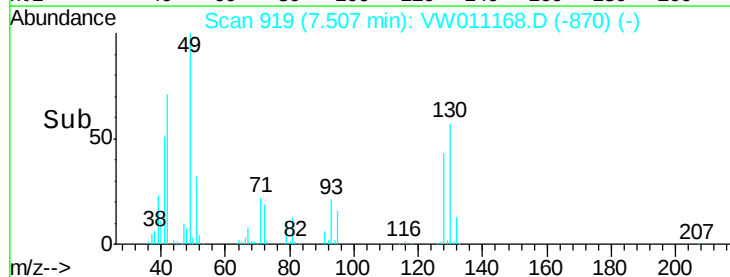
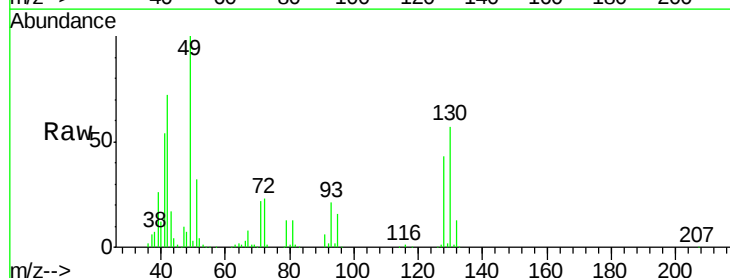
MMDadoda
7/9/2019 4:13:32 PM

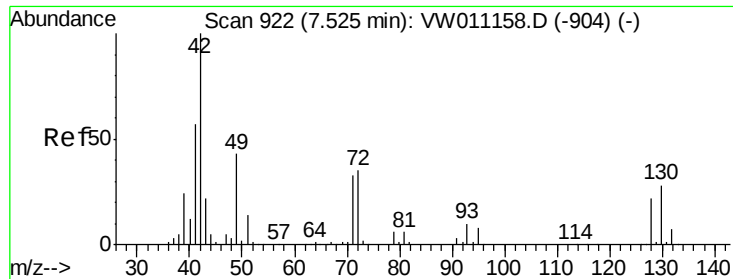


#28

Bromochloromethane
Concen: 49.575 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	1.4
130	58.0	45.8	68.8





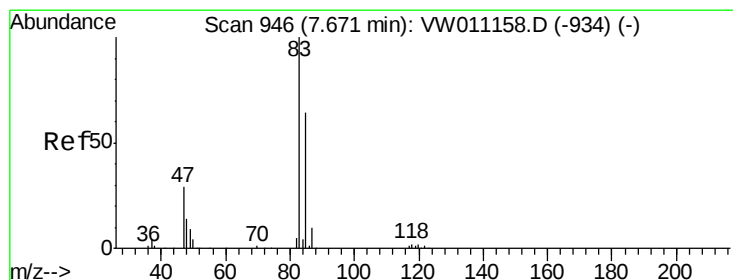
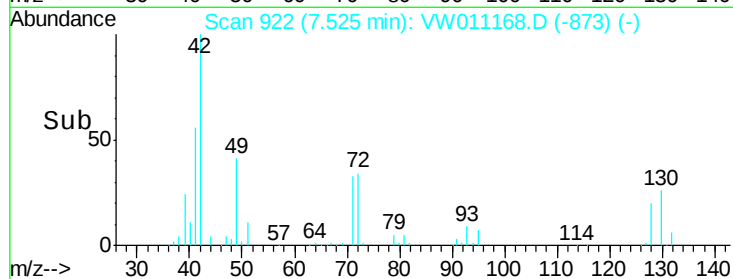
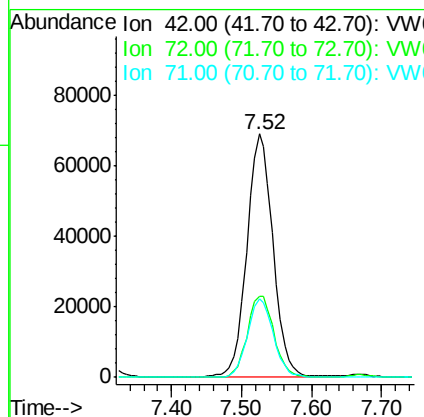
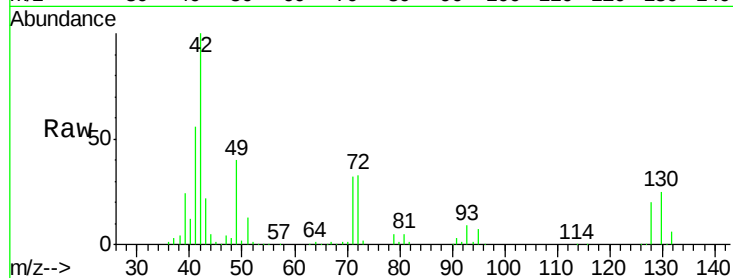
#29
Tetrahydrofuran
Concen: 249.275 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.4	41.2
71	31.7	25.9	38.9

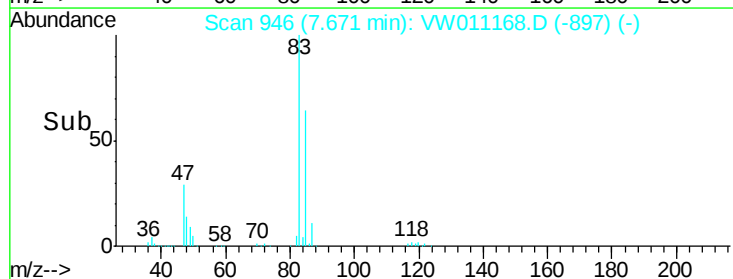
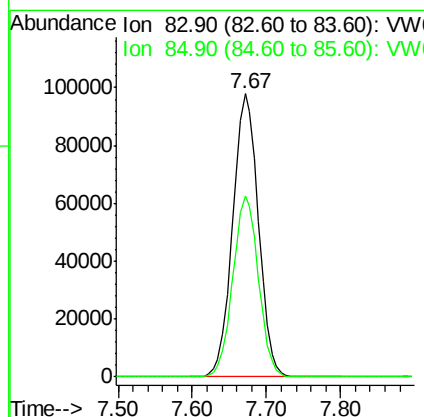
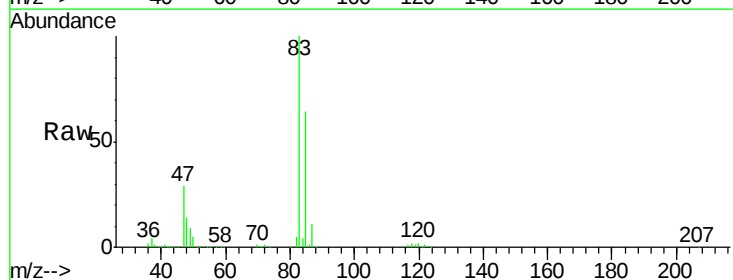
Manual Integrations
APPROVED

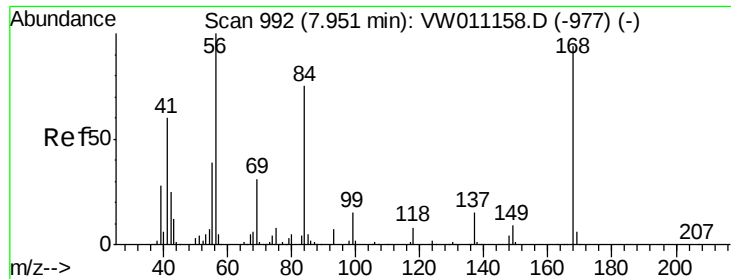
MMDadoda
7/9/2019 4:13:32 PM



#30
Chloroform
Concen: 48.052 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.2





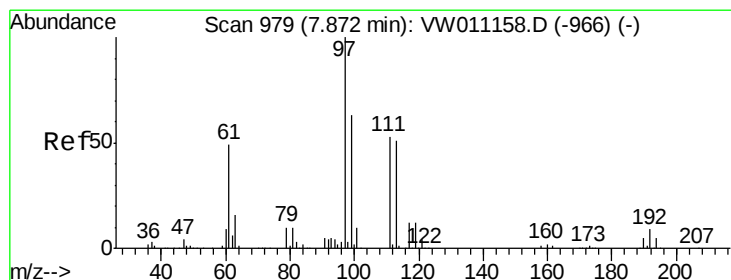
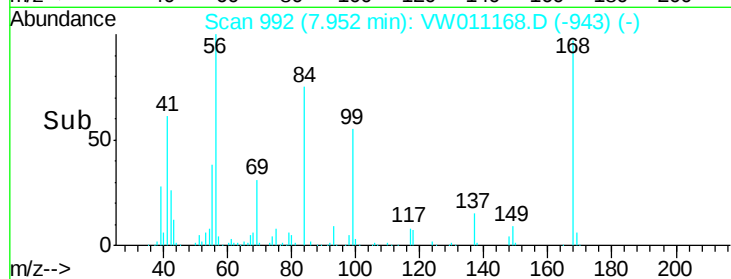
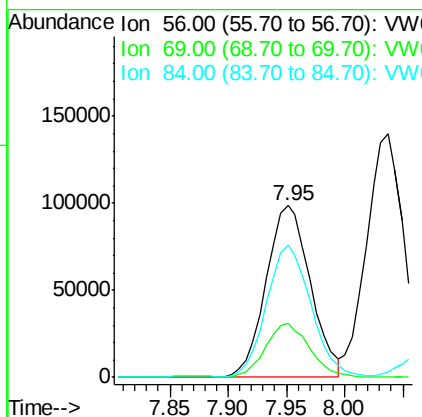
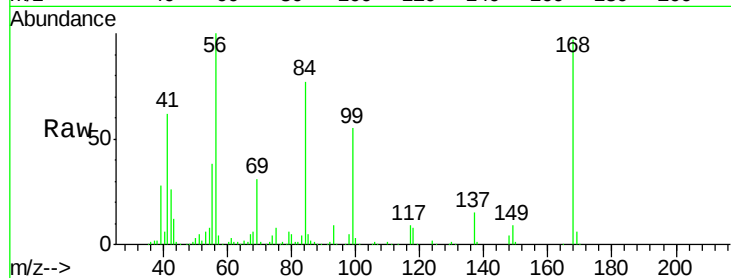
#31
Cvclohexane
Concen: 46.087 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
56	100	260365		
69	31.3		24.6	36.8
84	75.5		60.1	90.1

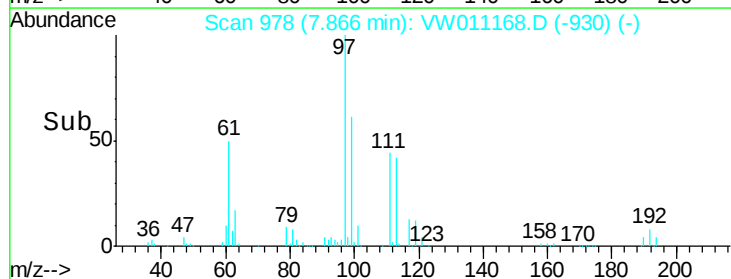
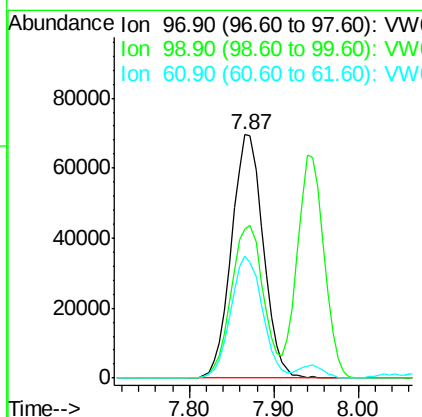
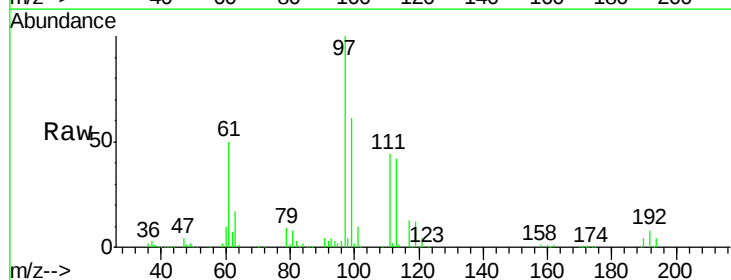
Manual Integrations
APPROVED

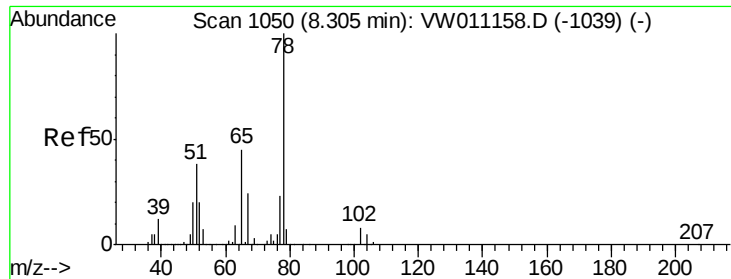
MMDadoda
7/9/2019 4:13:32 PM



#32
1,1,1-Trichloroethane
Concen: 47.388 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	177279		
99	64.3		51.0	76.4
61	50.1		40.4	60.6





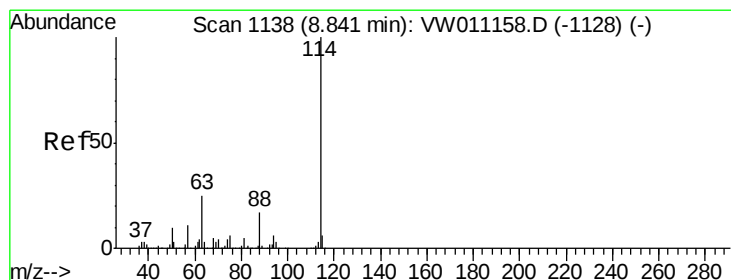
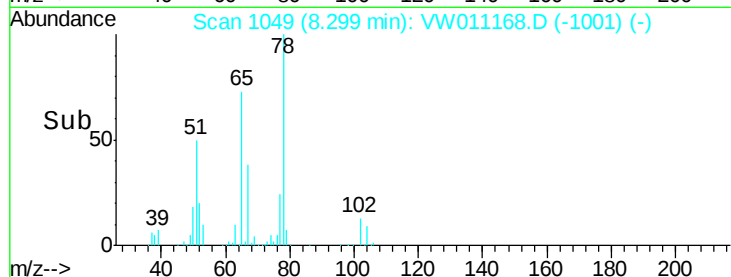
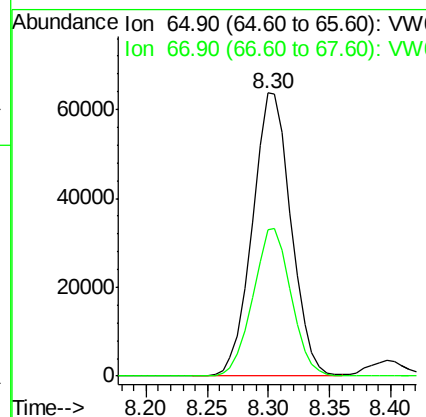
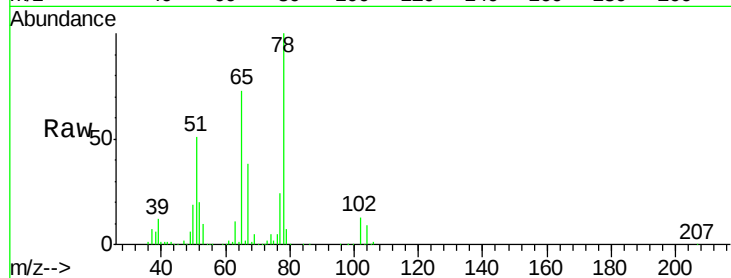
#33
 1,2-Dichloroethane-d4
 Concen: 48.081 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140225		
67	51.6	0.0	104.4	

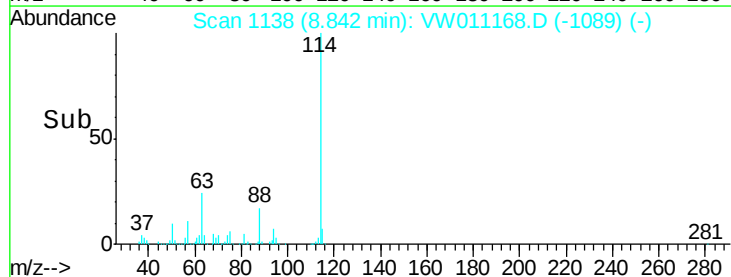
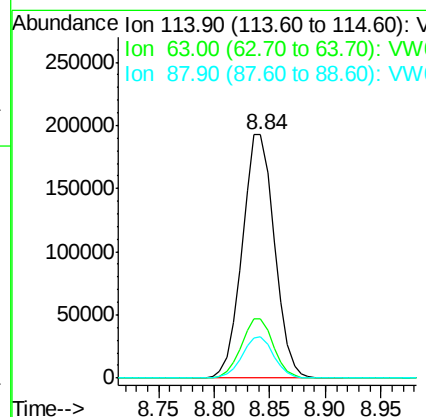
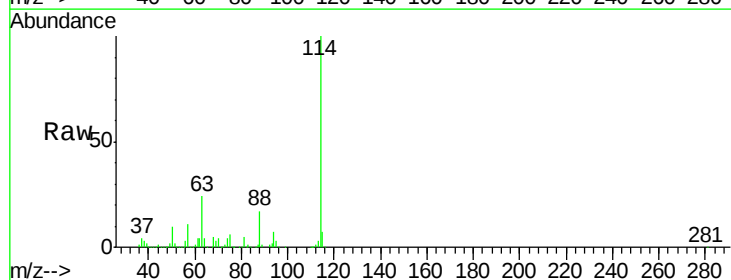
Manual Integrations
 APPROVED

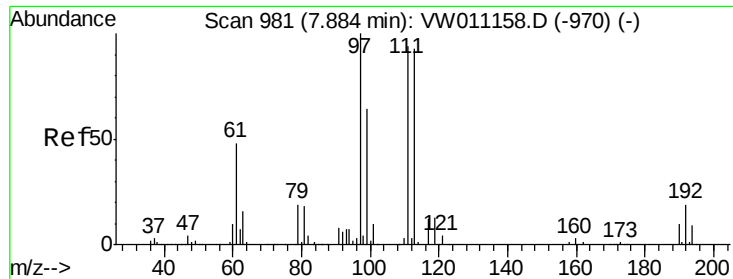
MMDadoda
 7/9/2019 4:13:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	387496		
63	24.5	0.0	50.8	
88	17.1	0.0	34.2	





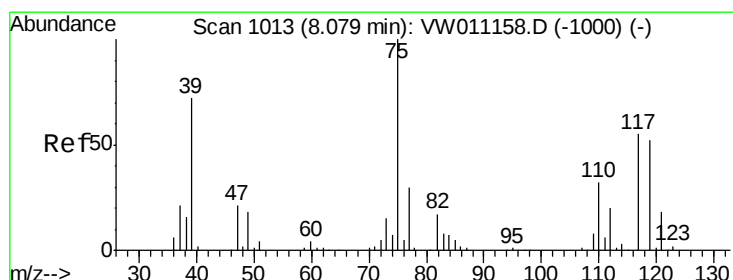
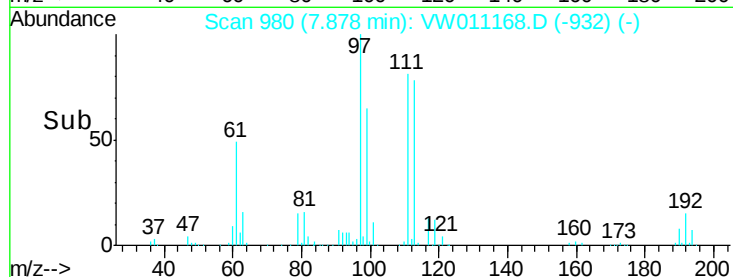
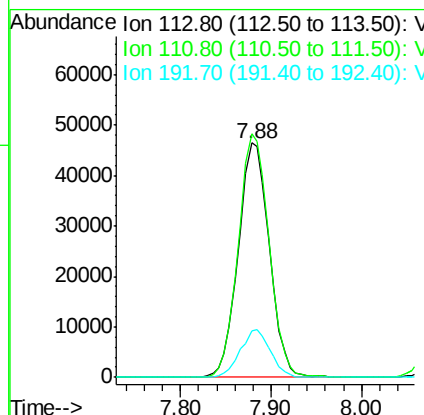
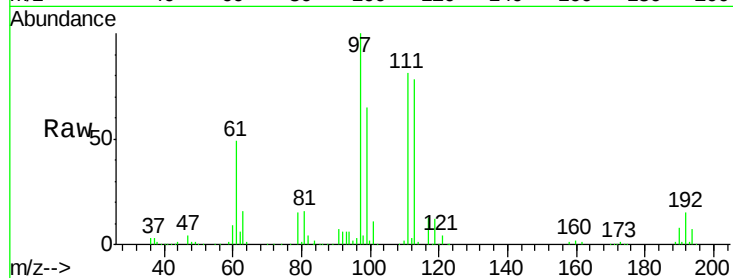
#35
Dibromofluoromethane
Concen: 47.738 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	110259		
111	103.0	82.4	123.6	
192	19.7	15.8	23.8	

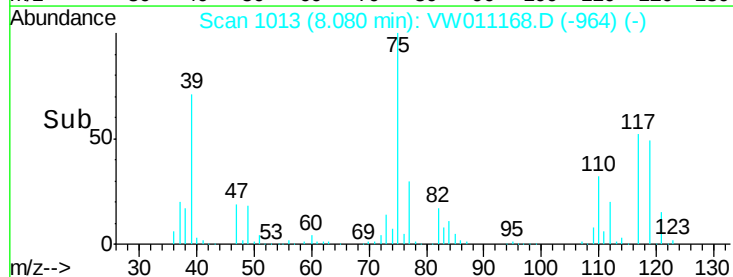
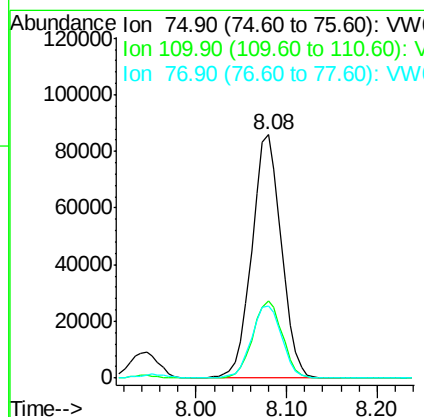
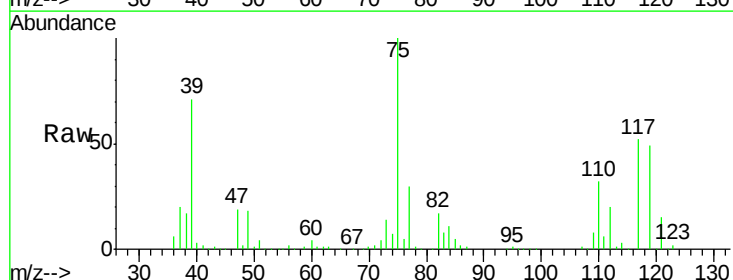
Manual Integrations
APPROVED

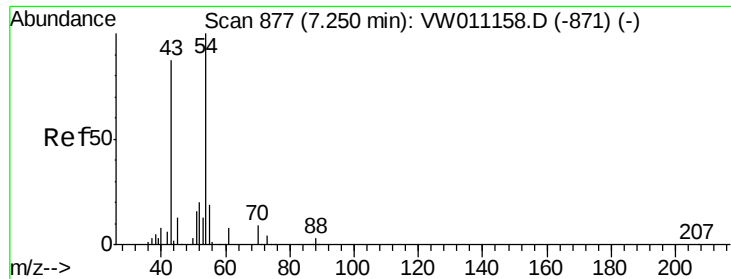
MMDadoda
7/9/2019 4:13:32 PM



#36
1,1-Dichloropropene
Concen: 46.802 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	193128		
110	31.8	15.9	47.6	
77	30.9	24.6	36.8	





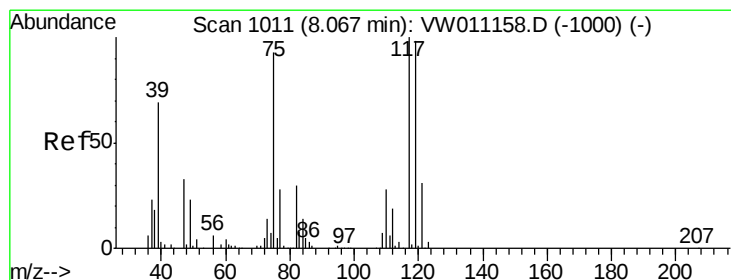
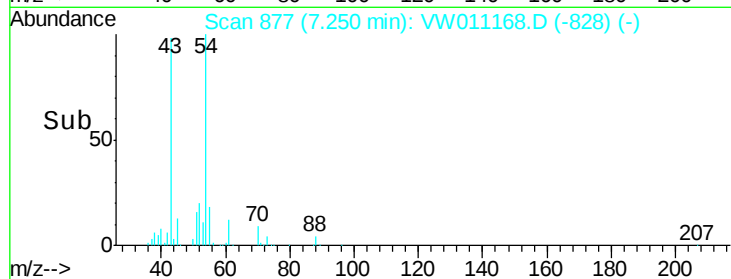
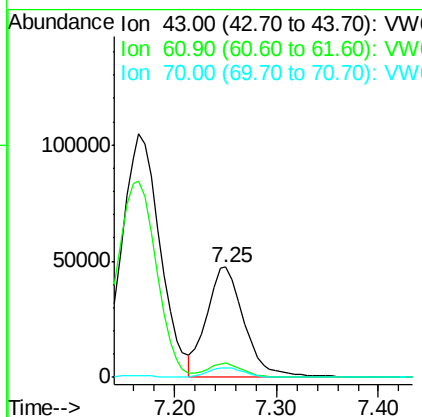
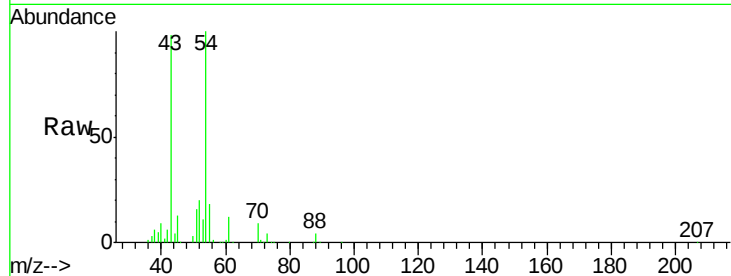
#37
Ethyl Acetate
Concen: 48.659 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	12.0	9.5	14.3	
70	8.6	7.1	10.7	

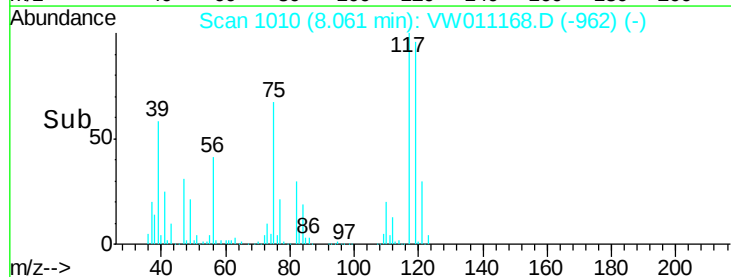
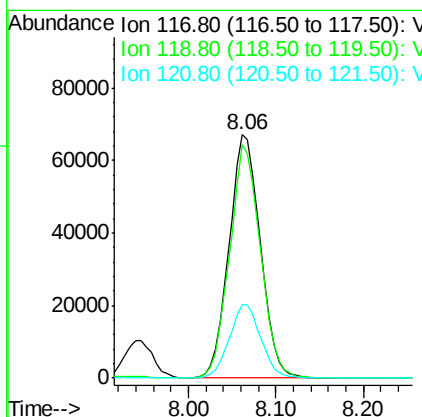
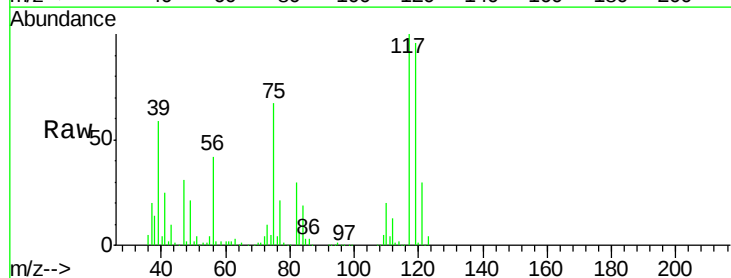
Manual Integrations
APPROVED

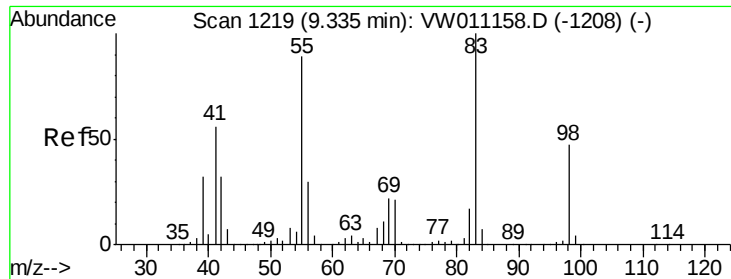
MMDadoda
7/9/2019 4:13:32 PM



#38
Carbon Tetrachloride
Concen: 47.766 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.9	78.1	117.1	
121	30.2	25.1	37.7	





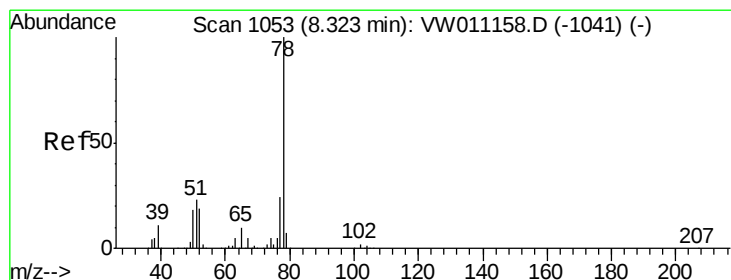
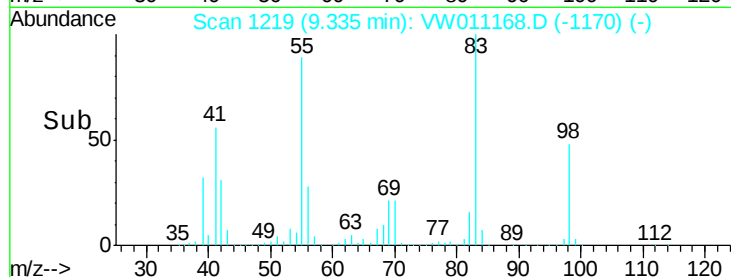
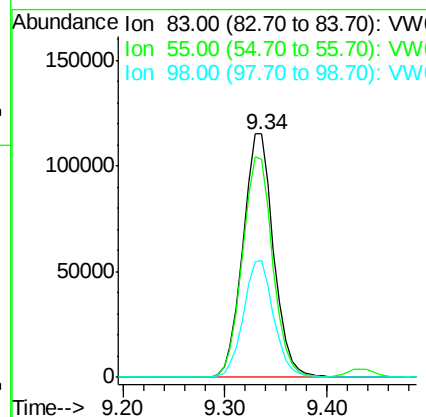
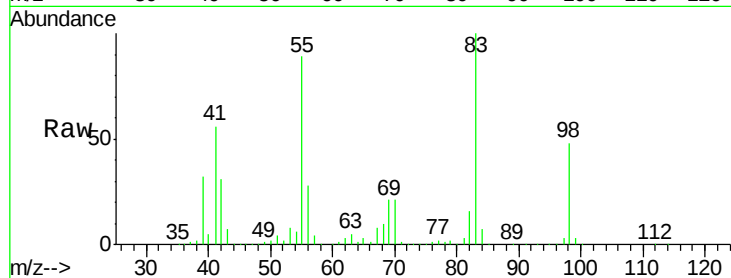
#39
Methvlcvclohexane
Concen: 48.116 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.3	71.2	106.8
98	48.2	37.5	56.3

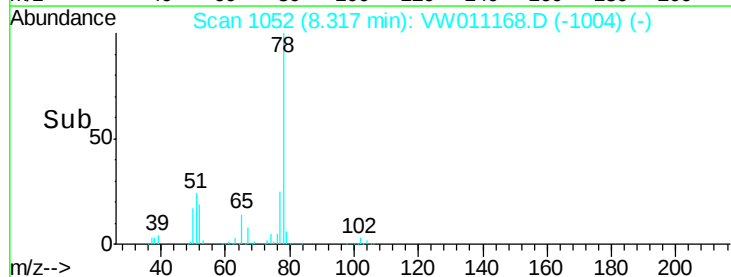
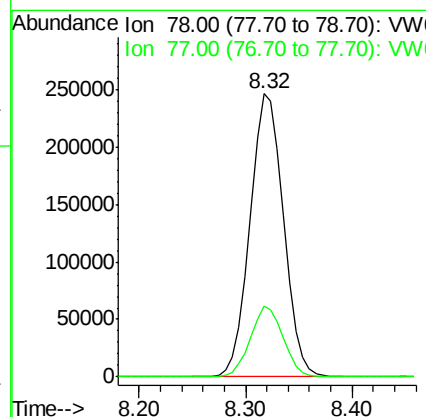
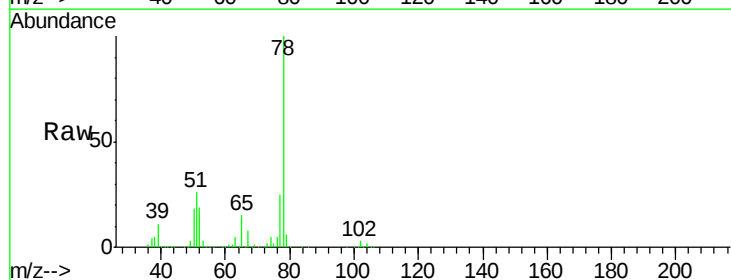
Manual Integrations
APPROVED

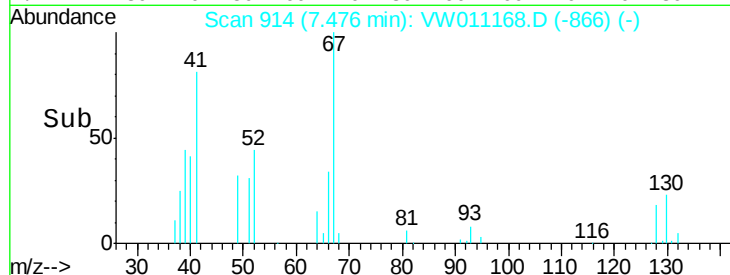
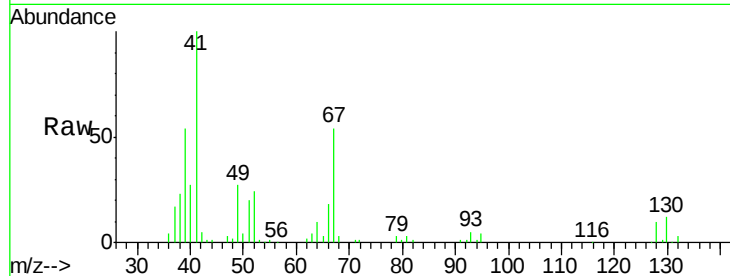
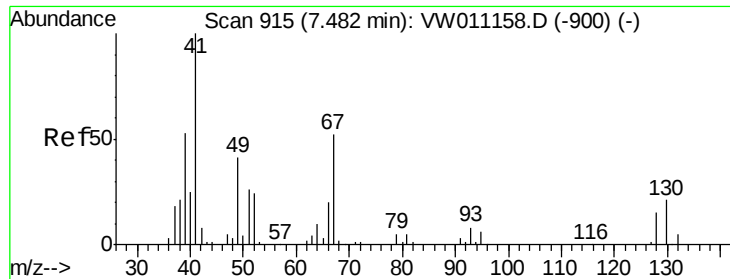
MMDadoda
7/9/2019 4:13:32 PM



#40
Benzene
Concen: 47.772 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.6





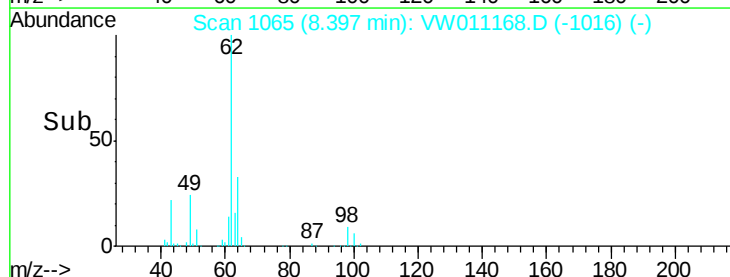
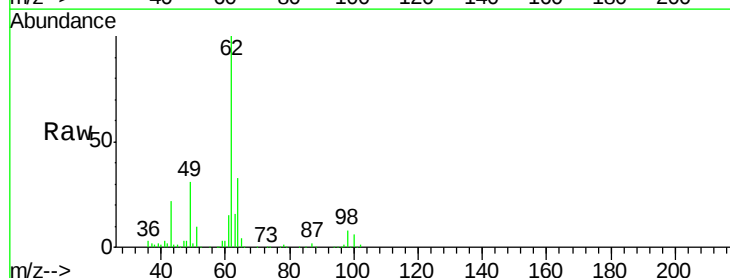
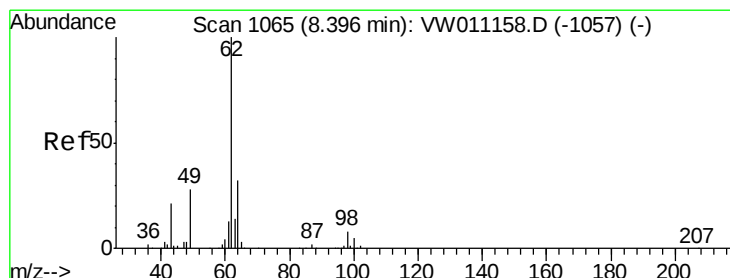
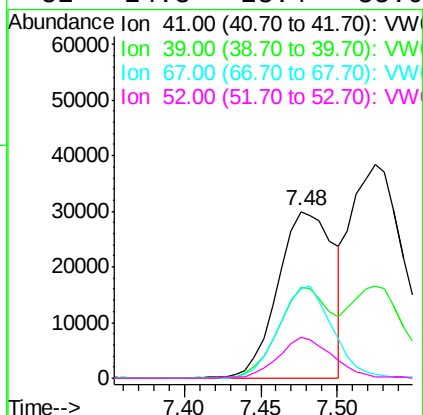
#41
Methacrylonitrile
Concen: 53.590 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tot Ion	41	Resp	75990
Ion Ratio	Lower	Upper	
41	100		
39	51.4	48.0	72.0
67	53.6	49.7	74.5
52	24.3	23.4	35.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

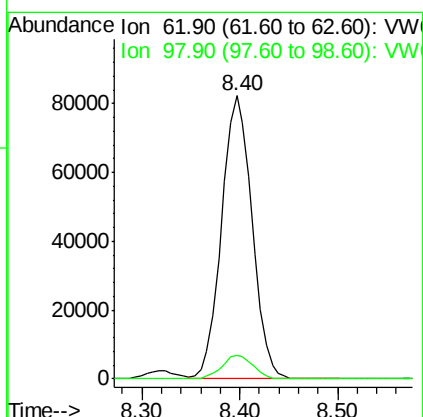
Manual Integrations
APPROVED

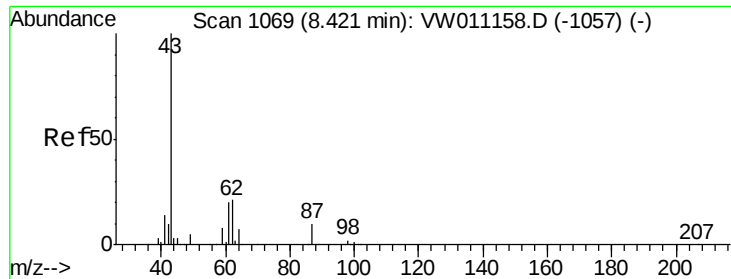
MMDadoda
7/9/2019 4:13:32 PM



#42
1,2-Dichloroethane
Concen: 47.952 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	62	Resp	177392
Ion Ratio	Lower	Upper	
62	100		
98	8.5	0.0	16.8





#43

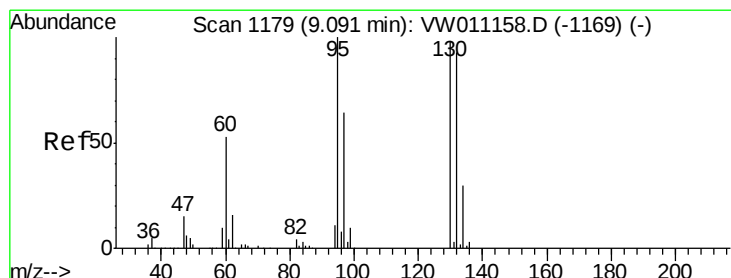
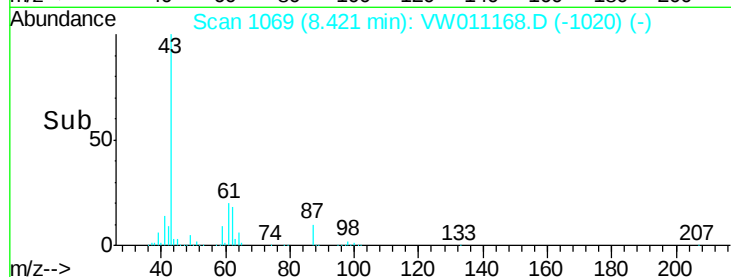
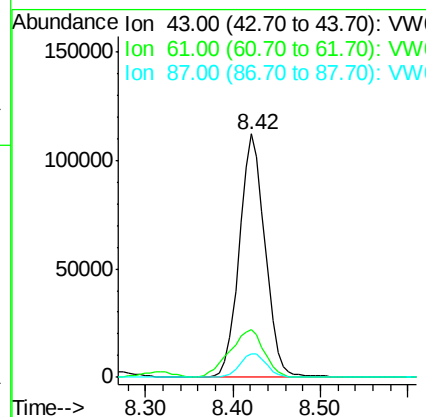
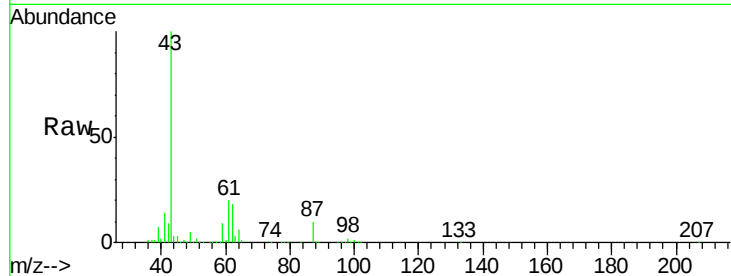
Isopropyl Acetate
 Concen: 48.798 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.5	20.7	31.1
87	10.1	8.1	12.1

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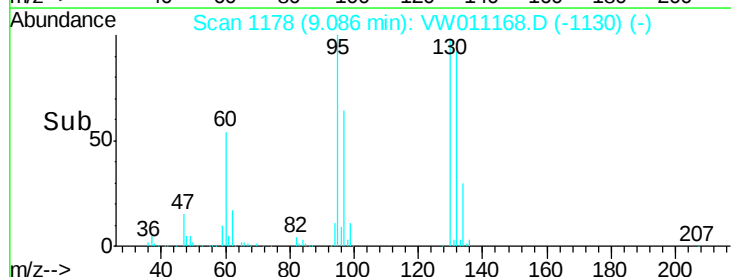
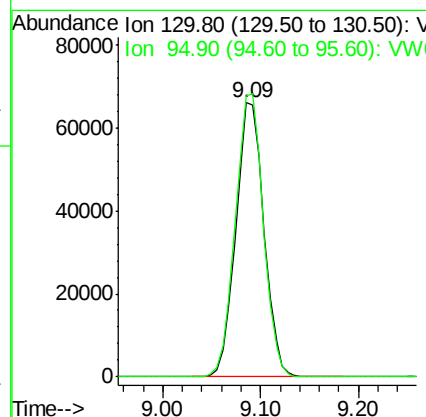
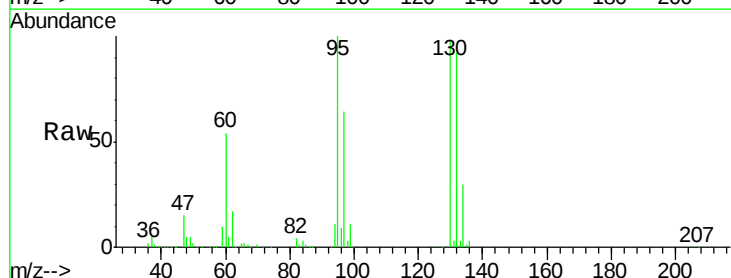
MMDadoda
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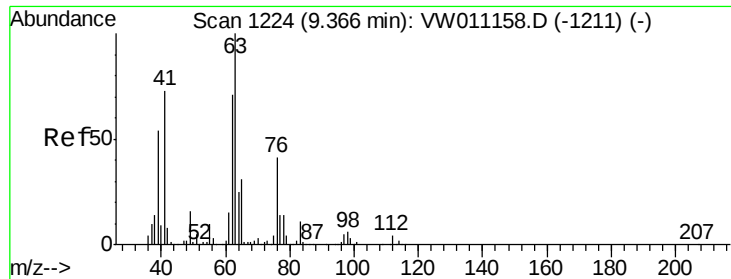


#44

Trichloroethene
 Concen: 47.893 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	203.6





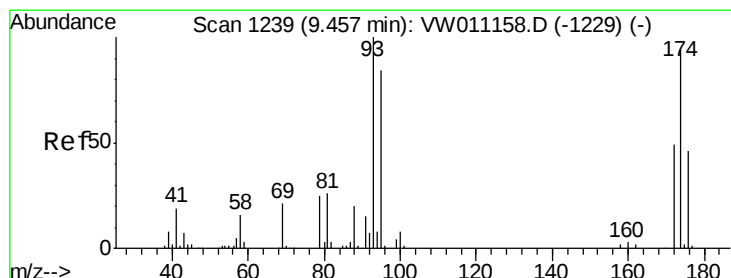
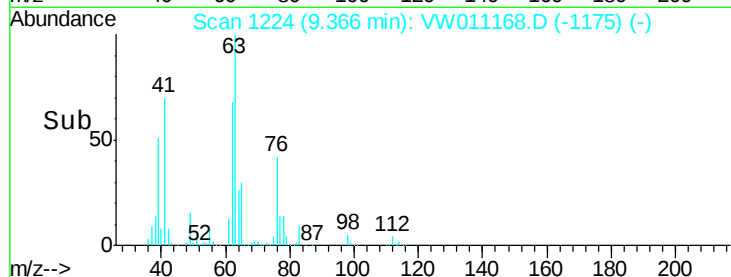
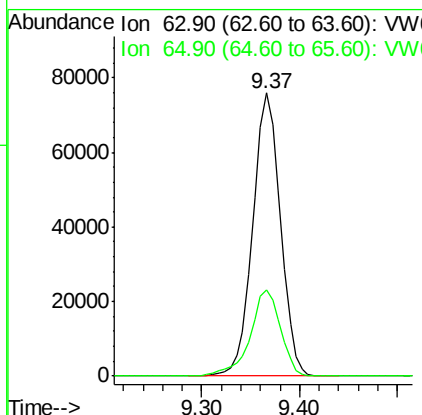
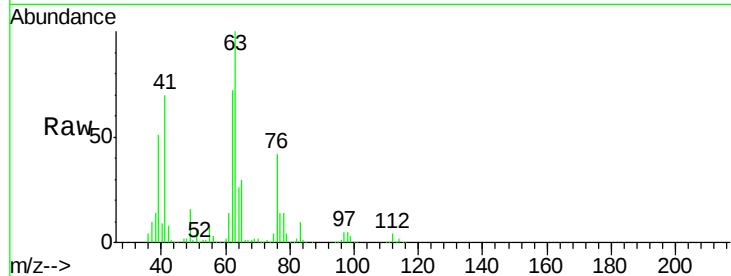
#45
 1,2-Dichloropropane
 Concen: 48.360 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 149342
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.4 36.6

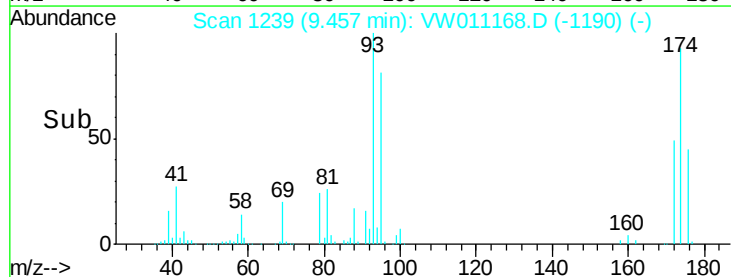
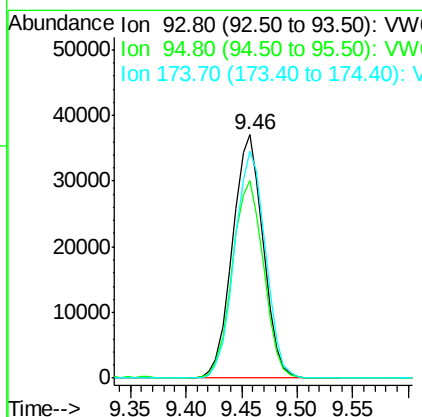
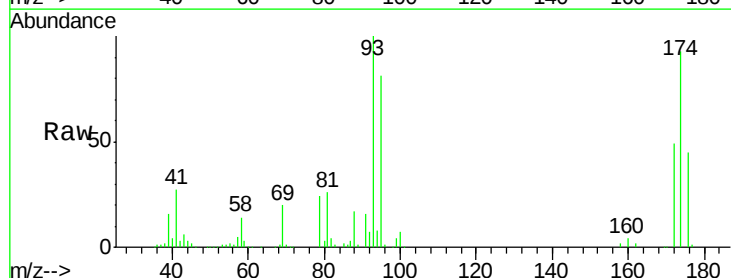
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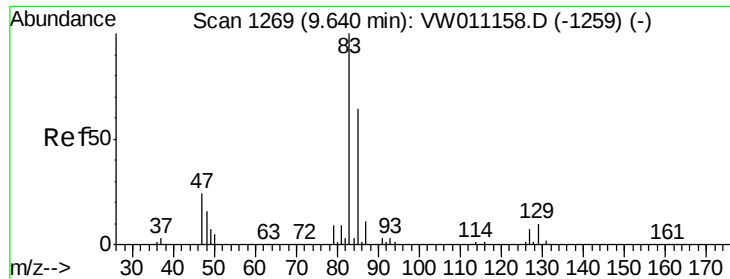
MMDadoda
 7/9/2019 4:13:32 PM



#46
 Dibromomethane
 Concen: 48.707 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion: 93 Resp: 70657
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.2 100.8
 174 94.4 76.3 114.5





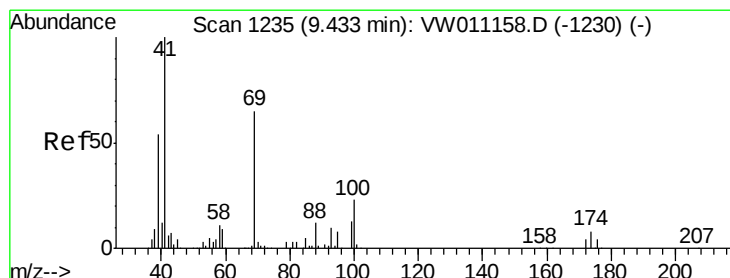
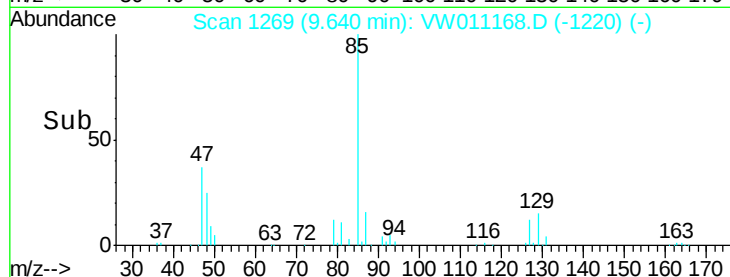
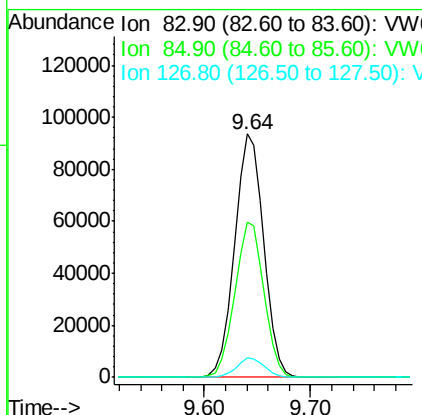
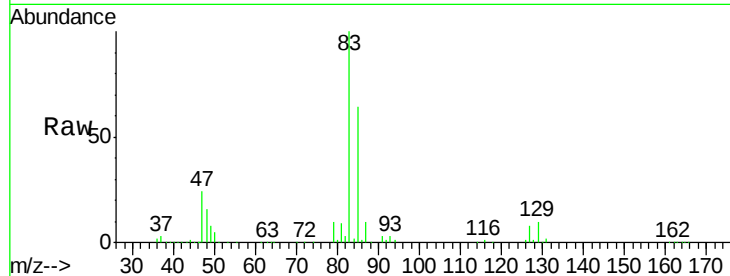
#47
Bromodichloromethane
Concen: 48.178 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	178826
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	51.0	76.4
127	7.8	6.0	9.0

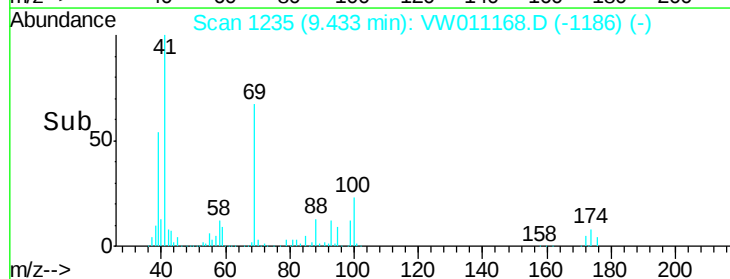
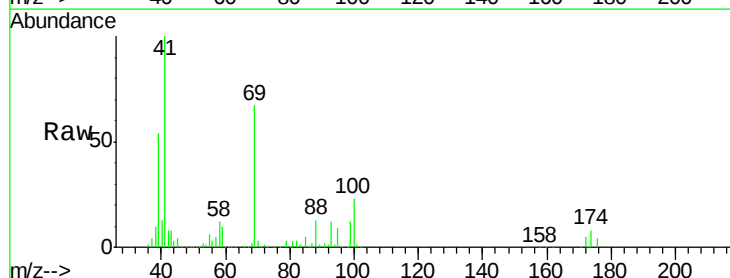
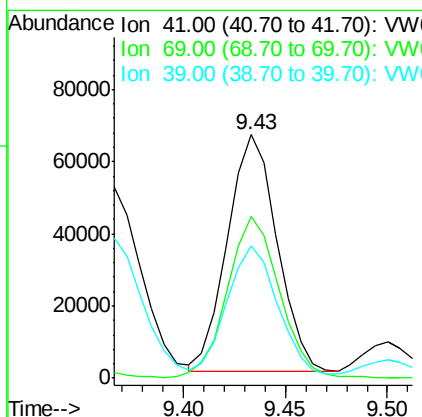
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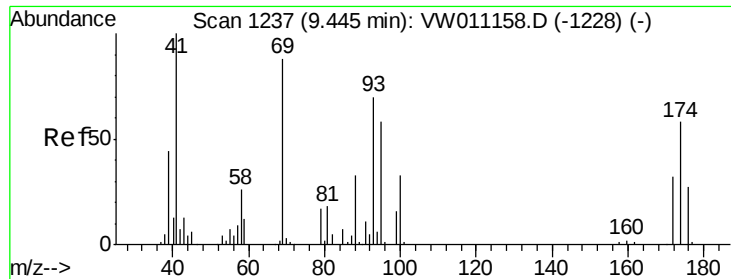
MMDadoda
7/9/2019 4:13:32 PM



#48
Methyl methacrylate
Concen: 48.973 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	41	Resp	110284
Ion Ratio	100	Lower	Upper
41	100		
69	72.6	56.0	84.0
39	54.6	43.5	65.3





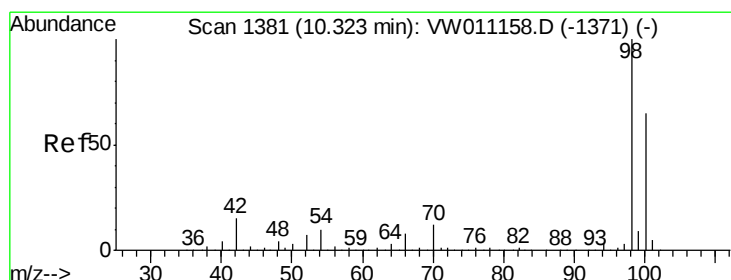
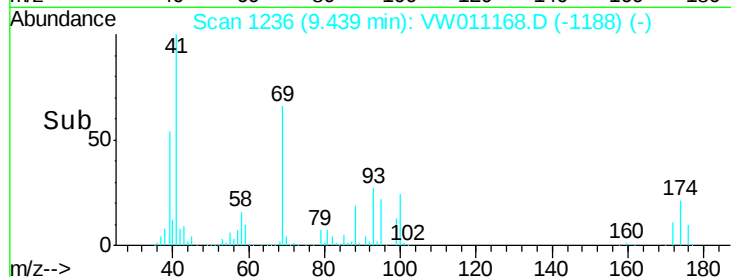
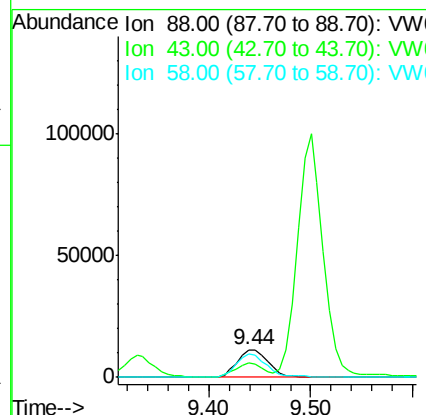
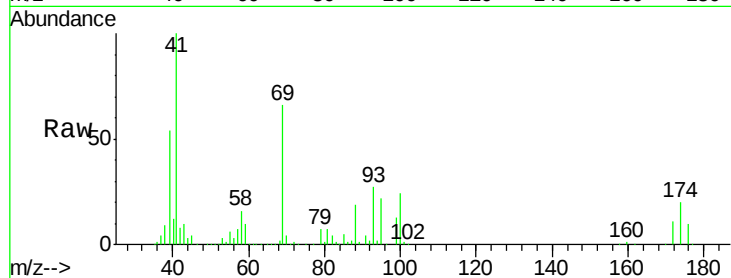
#49
1,4-Dioxane
Concen: 991.573 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	24010
Ion	Ratio	Lower	Upper
88	100		
43	46.3	33.4	50.0
58	85.2	64.5	96.7

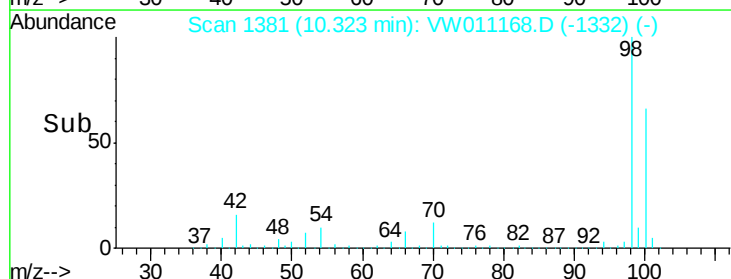
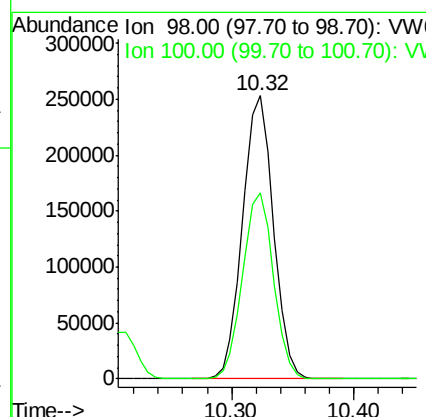
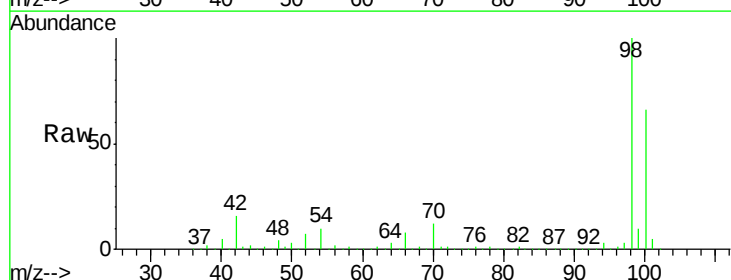
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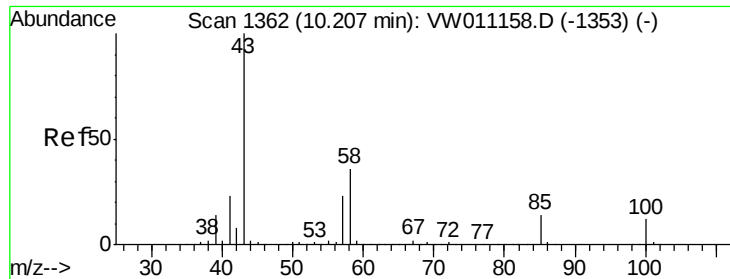
MMDadoda
7/9/2019 4:13:32 PM



#50
Toluene-d8
Concen: 47.487 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	98	Resp	443334
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 247.970 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 606328

Ion Ratio Lower Upper

43 100

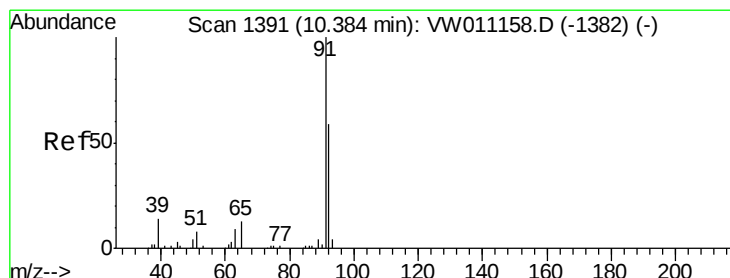
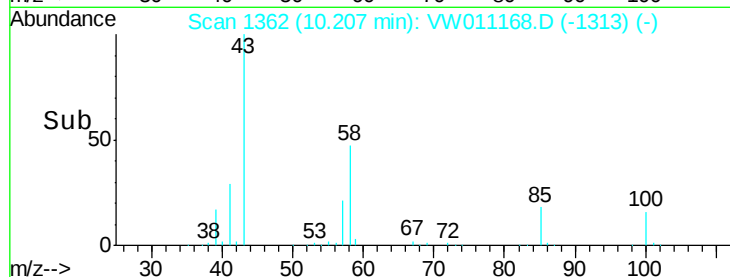
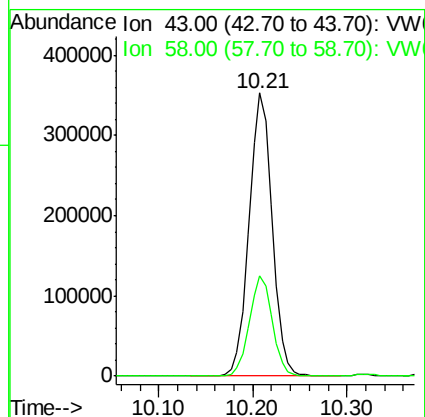
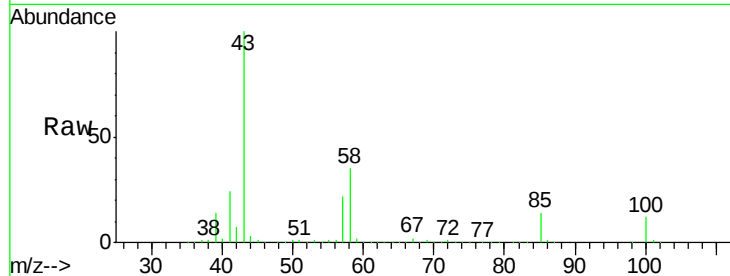
58 35.2 28.2 42.2

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MMDadoda

7/9/2019 4:13:32 PM



#52

Toluene

Concen: 48.252 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011168.D

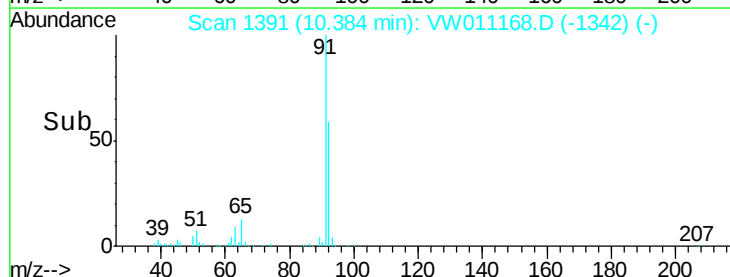
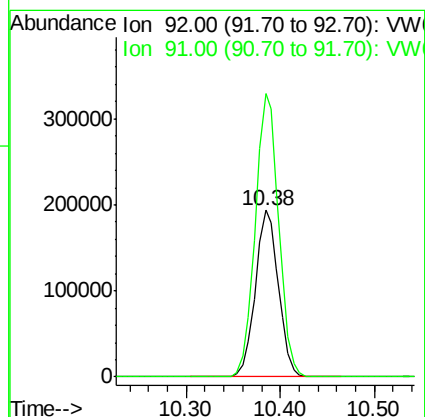
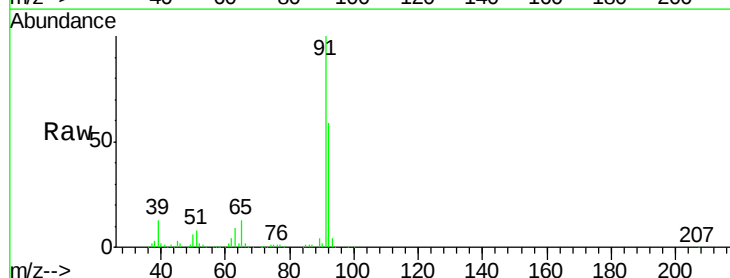
Acq: 08 Jul 2019 19:01

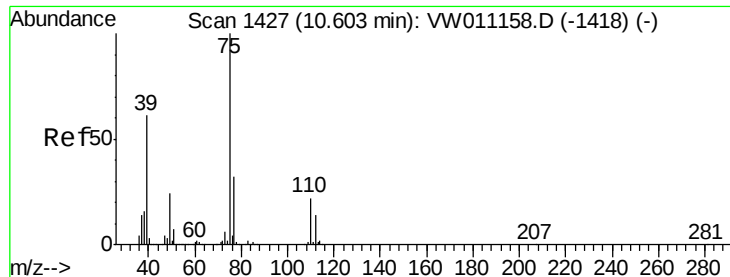
Tgt Ion: 92 Resp: 333797

Ion Ratio Lower Upper

92 100

91 172.2 136.6 205.0





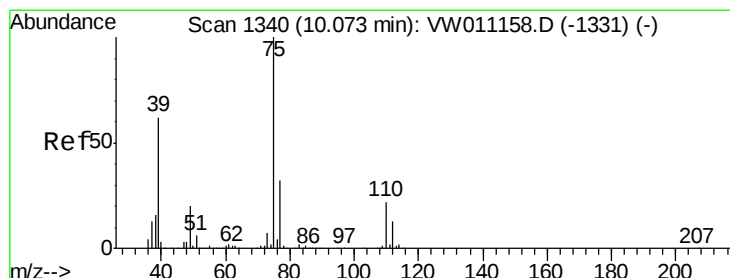
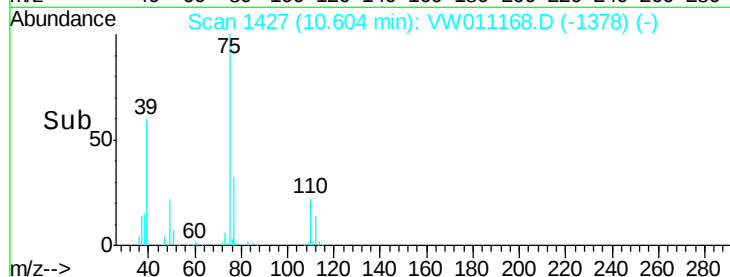
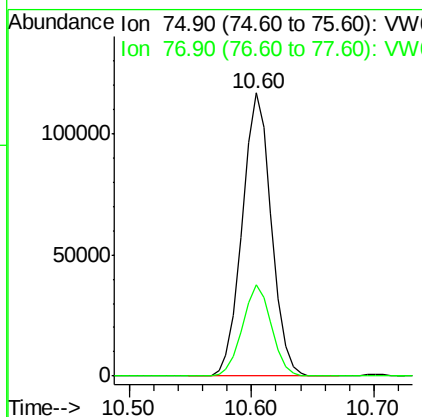
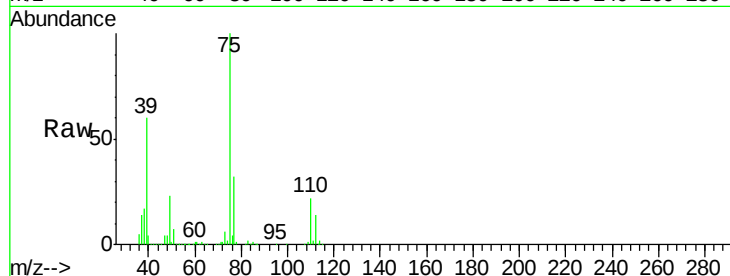
#53
t-1,3-Dichloropropene
Concen: 48.735 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.0

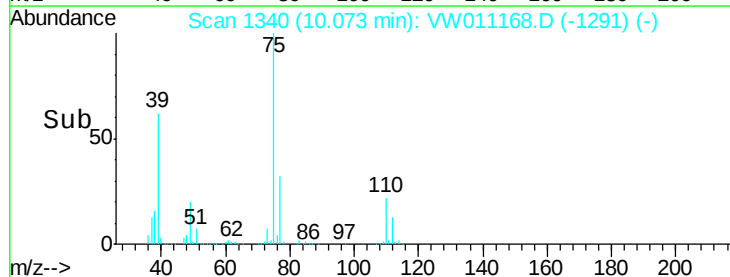
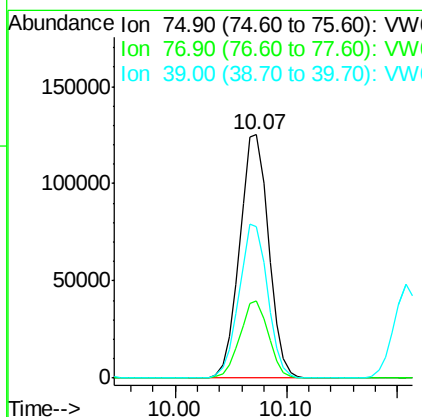
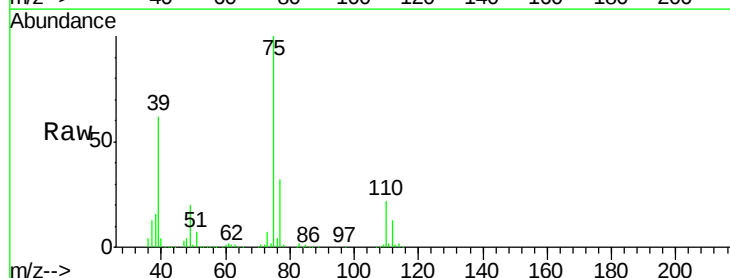
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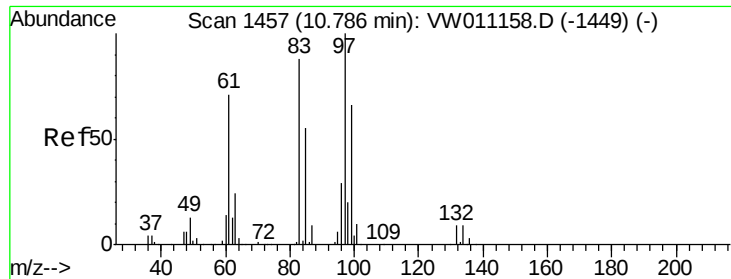
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7/9/2019 4:13:32 PM



#54
cis-1,3-Dichloropropene
Concen: 48.724 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5
39	62.0	49.8	74.8





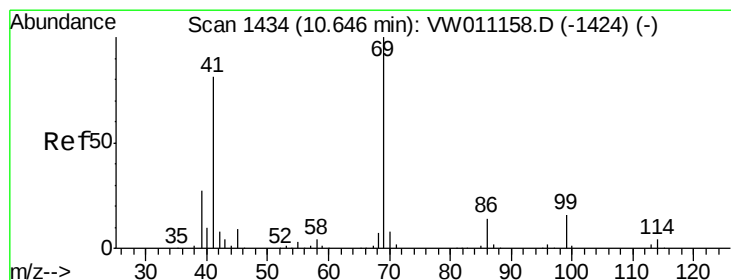
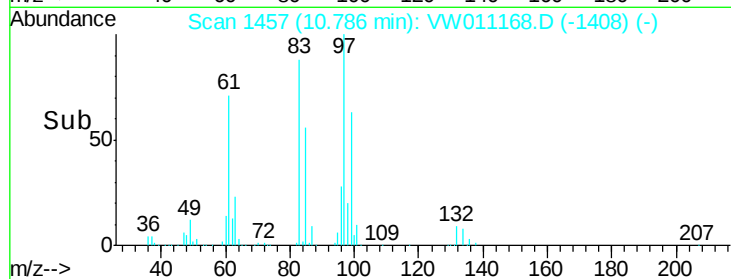
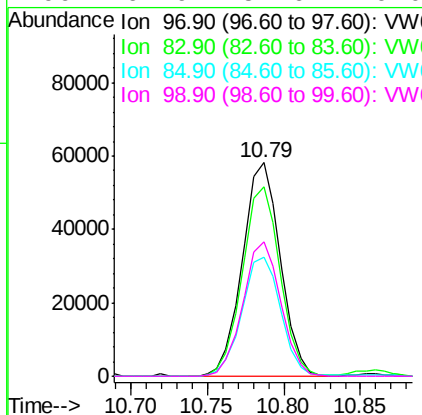
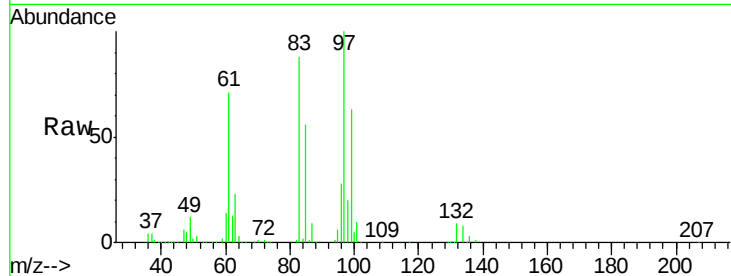
#55
 1,1,2-Trichloroethane
 Concen: 48.778 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	100385
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.2	105.4
85	55.7	44.2	66.2
99	62.9	52.6	79.0

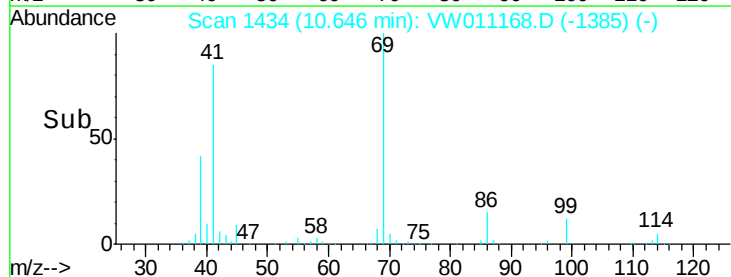
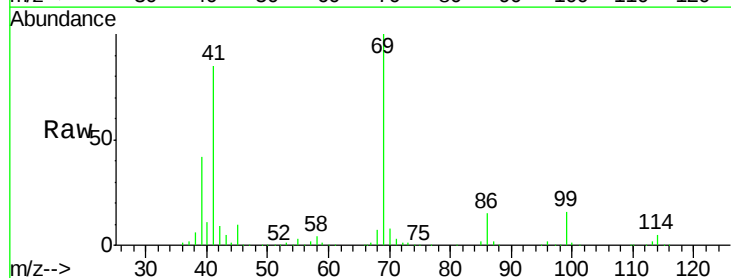
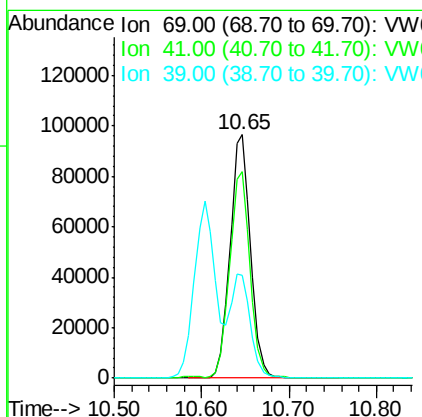
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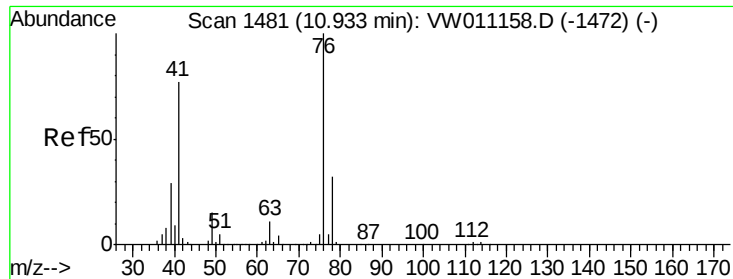
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#56
 Ethyl methacrylate
 Concen: 50.058 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion:	69	Resp:	156845
Ion	Ratio	Lower	Upper
69	100		
41	84.2	66.5	99.7
39	39.1	32.5	48.7





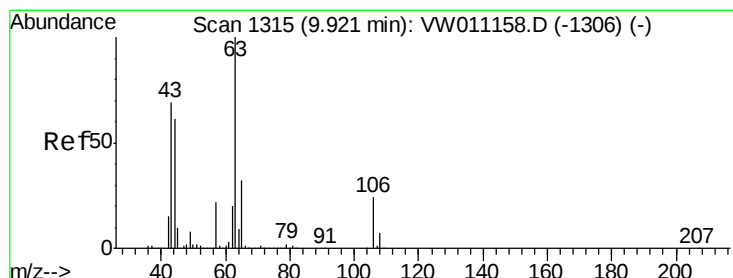
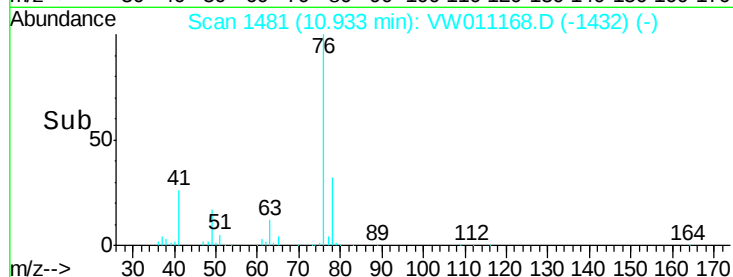
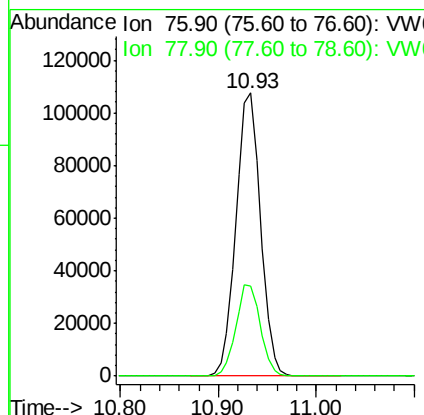
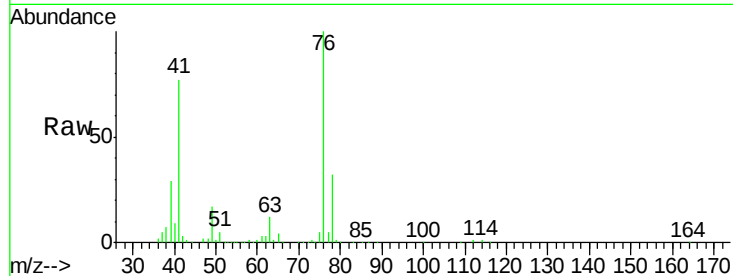
#57
 1,3-Dichloropropane
 Concen: 48.266 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 187833
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2

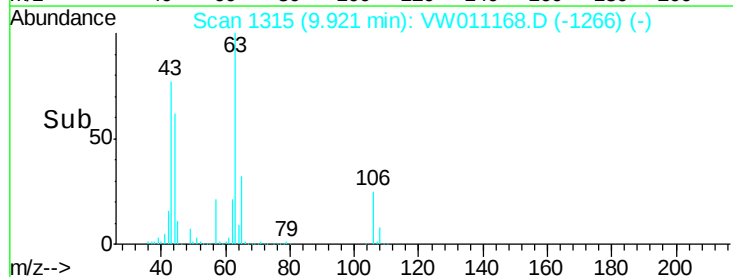
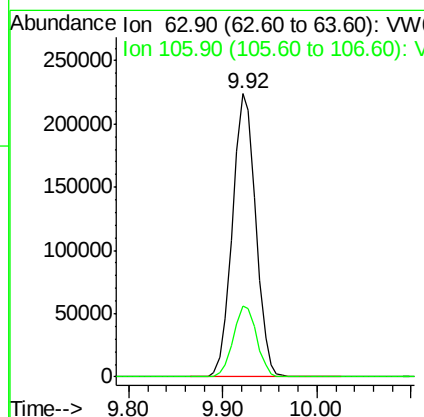
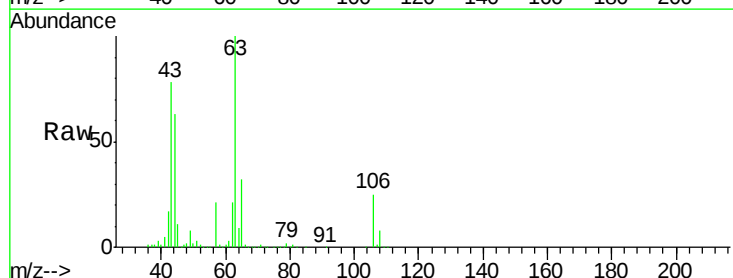
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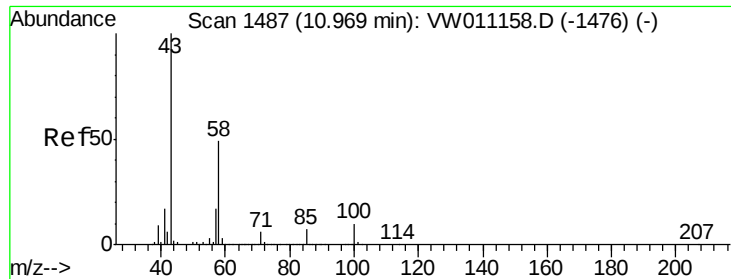
MMDadoda
 7/9/2019 4:13:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.914 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion: 63 Resp: 384806
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.4 29.0





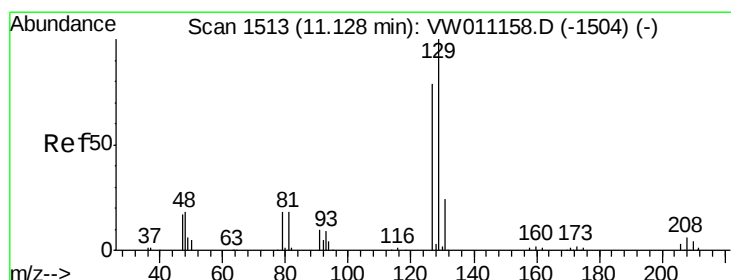
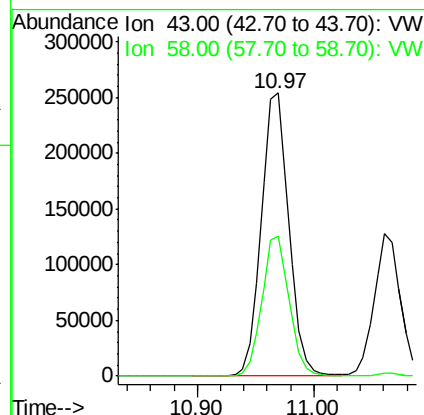
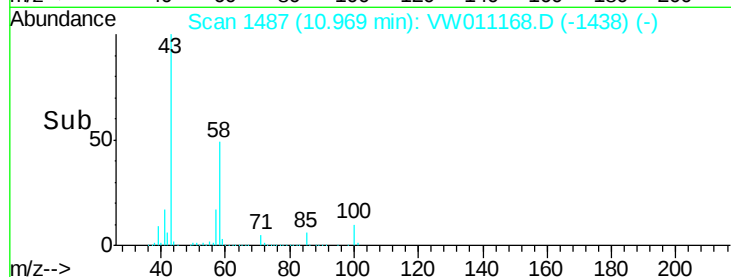
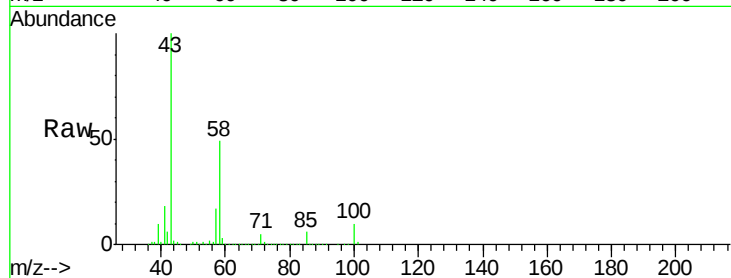
#59
2-Hexanone
Concen: 247.745 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 420106
Ion Ratio Lower Upper
43 100
58 48.9 24.4 73.4

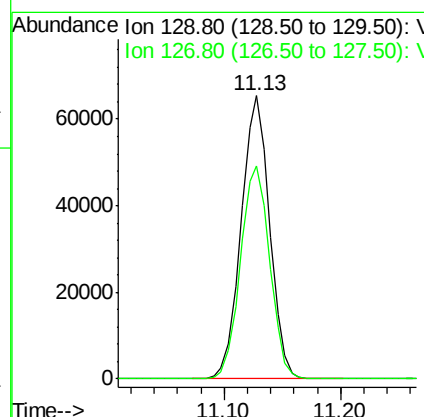
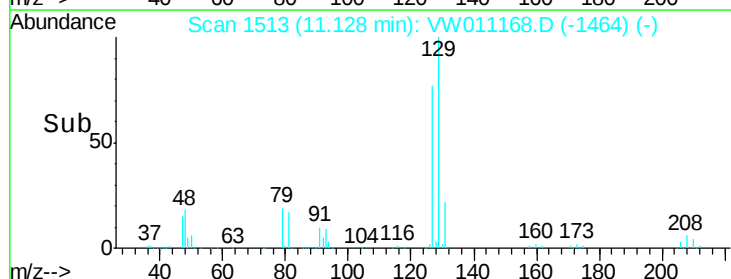
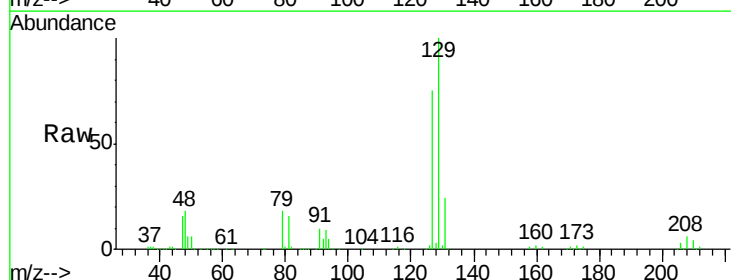
Manual Integrations
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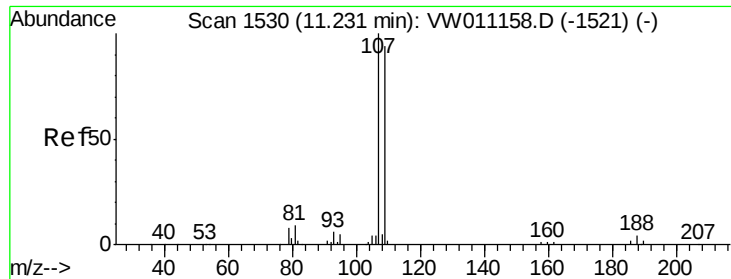
MMDadoda
7/9/2019 4:13:32 PM



#60
Dibromochloromethane
Concen: 49.389 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion: 129 Resp: 111457
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.3





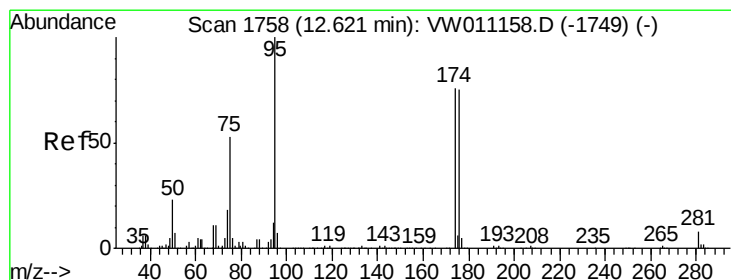
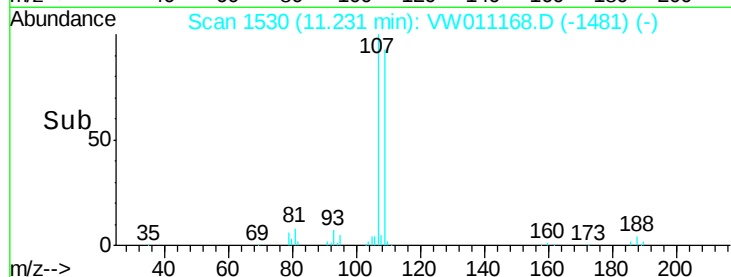
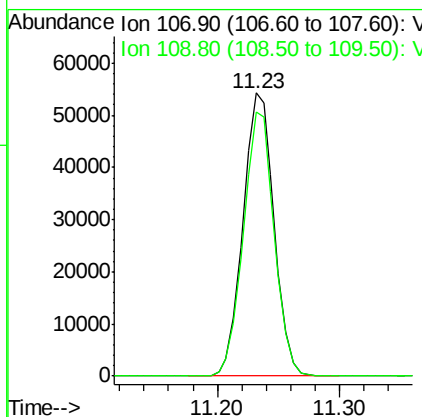
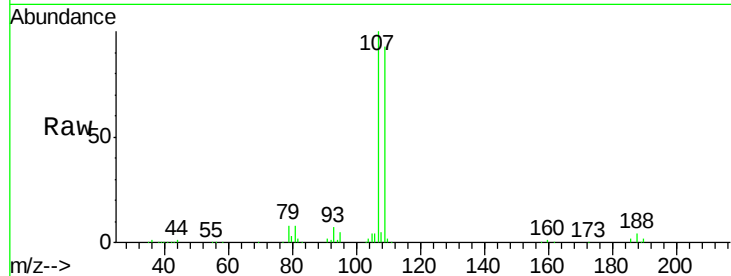
#61
 1,2-Dibromoethane
 Concen: 48.842 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 95212
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.2 112.8

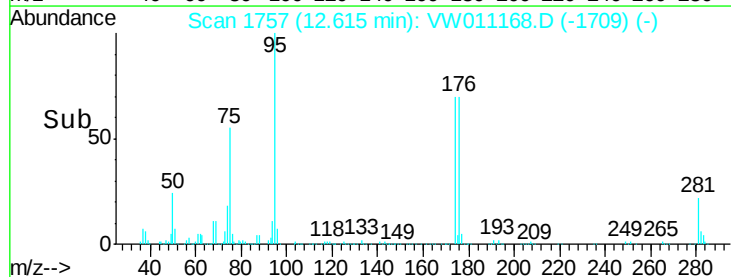
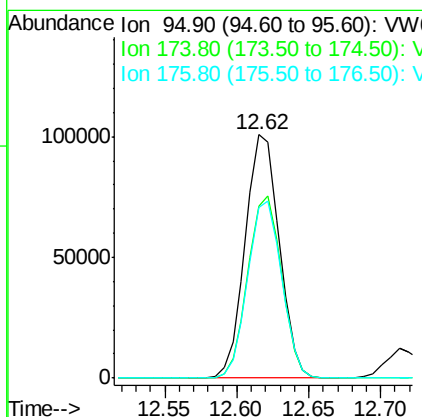
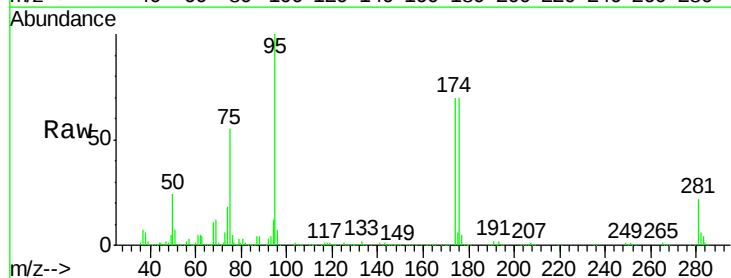
Manual Integrations
 APPROVED

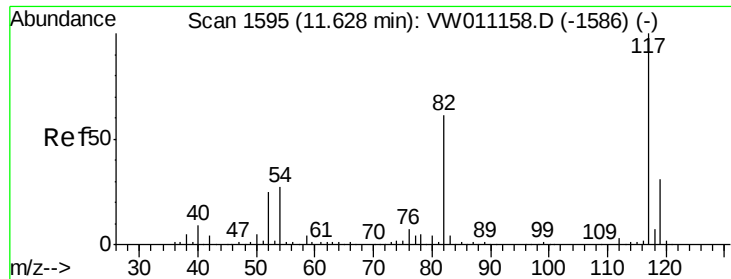
MMDadoda
 7/9/2019 4:13:32 PM



#62
 4-Bromofluorobenzene
 Concen: 48.305 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion: 95 Resp: 165298
 Ion Ratio Lower Upper
 95 100
 174 74.1 0.0 147.6
 176 72.5 0.0 144.6





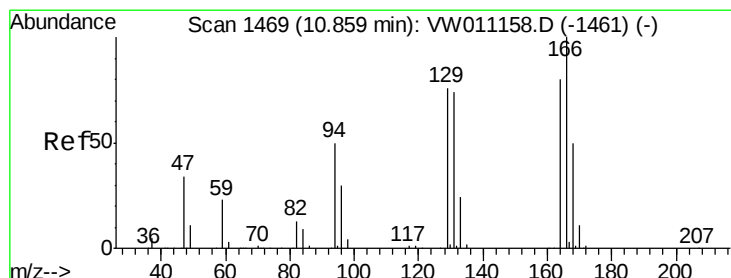
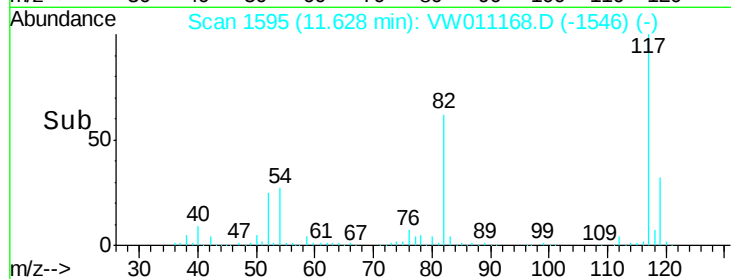
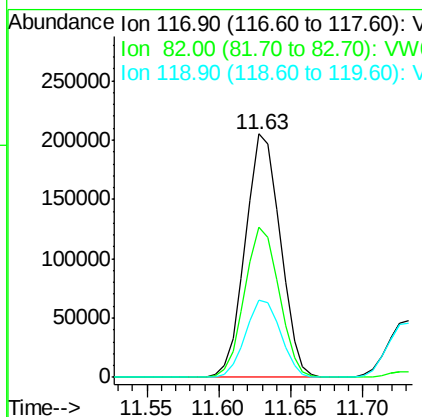
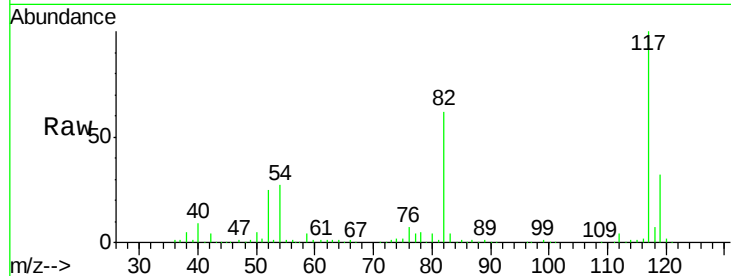
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	48.9	73.3
119	31.7	25.0	37.6

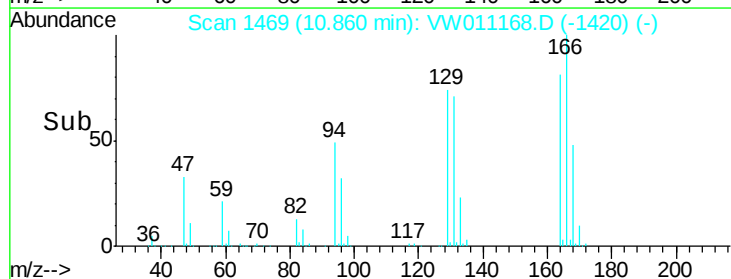
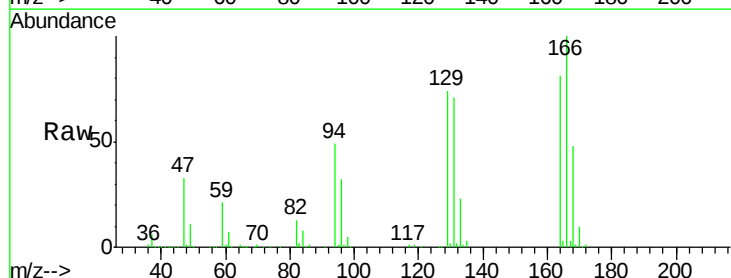
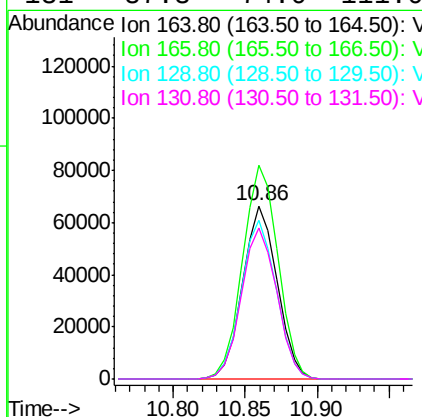
Manual Integrations
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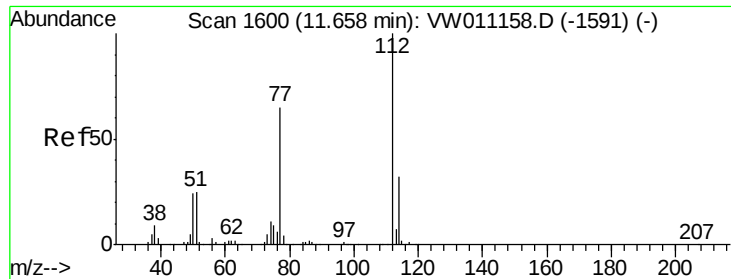
MMDadoda
7/9/2019 4:13:32 PM



#64
Tetrachloroethene
Concen: 47.261 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	99.7	149.5
129	91.6	76.2	114.2
131	87.3	74.0	111.0





#65

Chlorobenzene

Concen: 47.973 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 337602

Ion Ratio Lower Upper

112 100

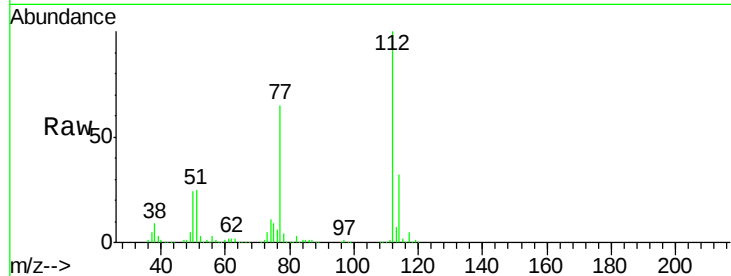
114 32.1 25.5 38.3

Manual Integrations

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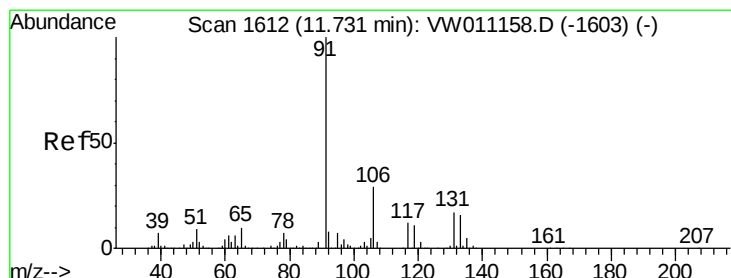
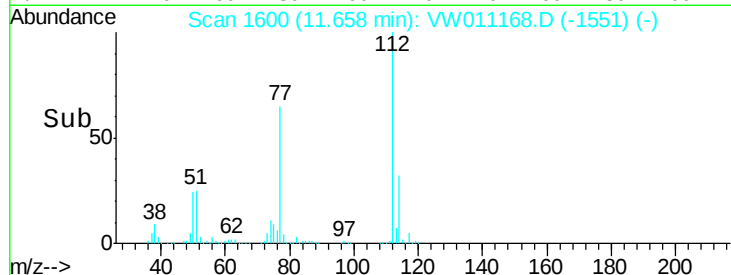
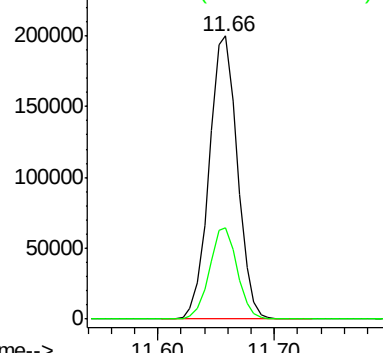
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.936 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

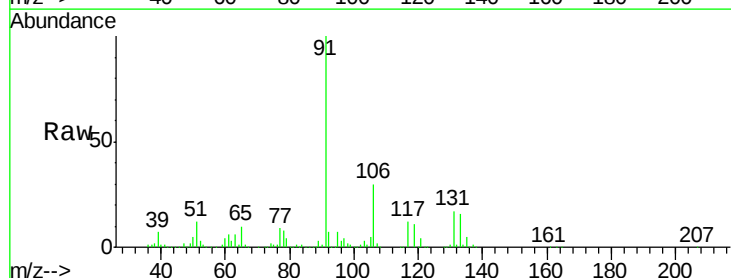
Tgt Ion:131 Resp: 121256

Ion Ratio Lower Upper

131 100

133 93.2 47.9 143.8

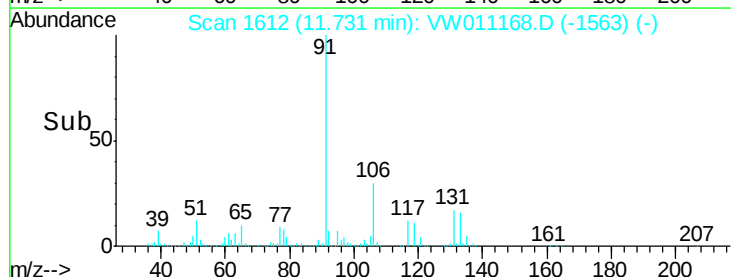
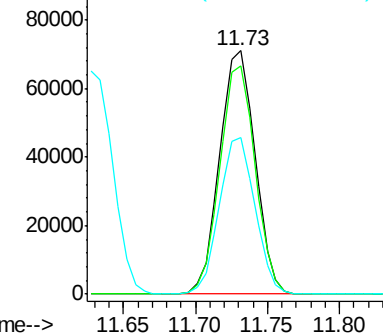
119 64.5 33.1 99.2

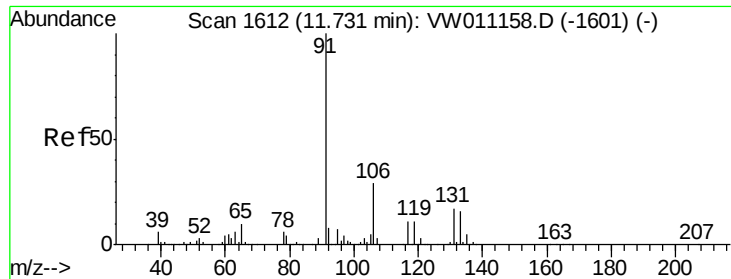


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





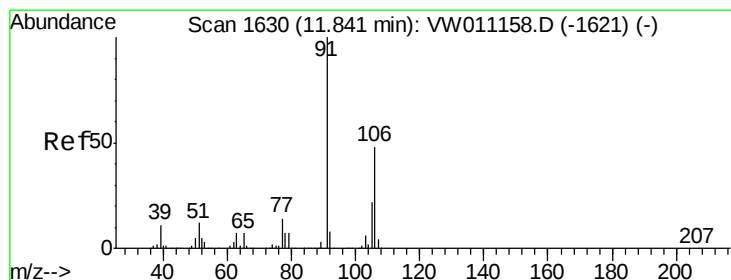
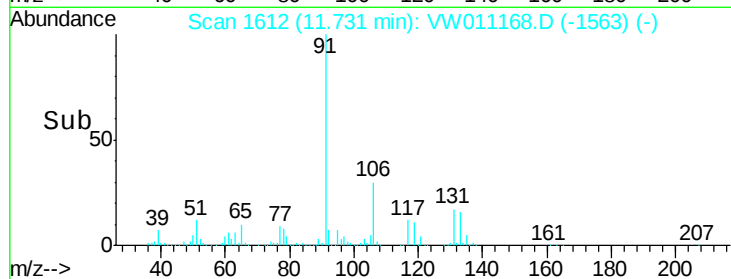
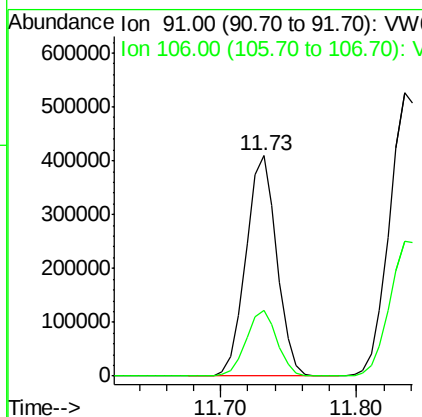
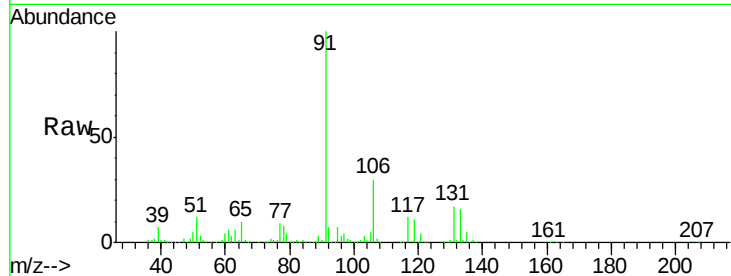
#67
Ethyl Benzene
Concen: 48.261 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 650173
Ion Ratio Lower Upper
91 100
106 29.7 23.5 35.3

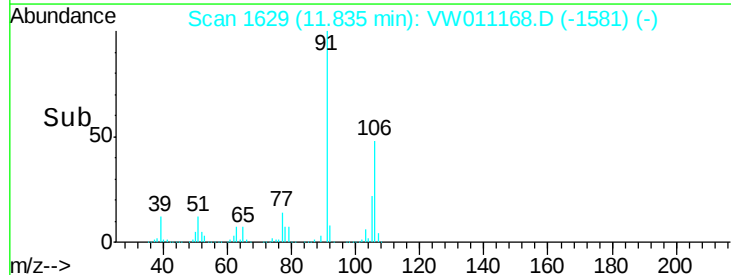
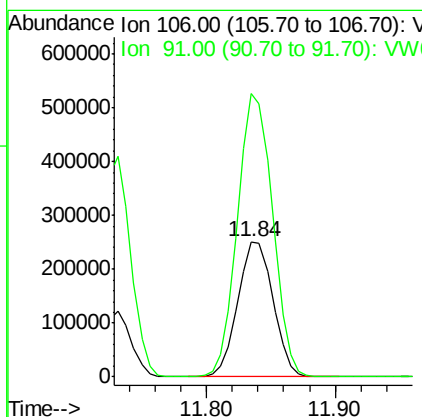
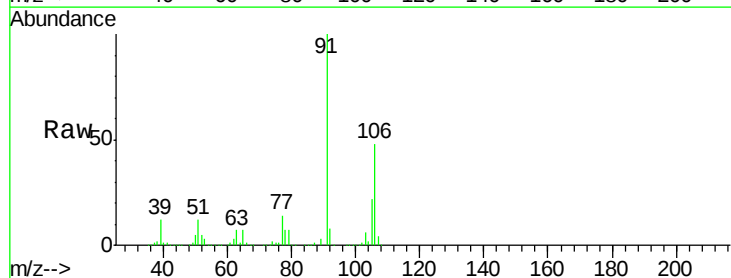
Manual Integrations
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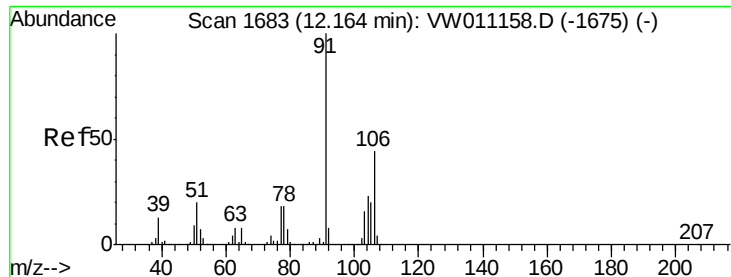
MMDadoda
7/9/2019 4:13:32 PM



#68
m/p-Xylenes
Concen: 97.730 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion: 106 Resp: 476409
Ion Ratio Lower Upper
106 100
91 208.5 167.7 251.5





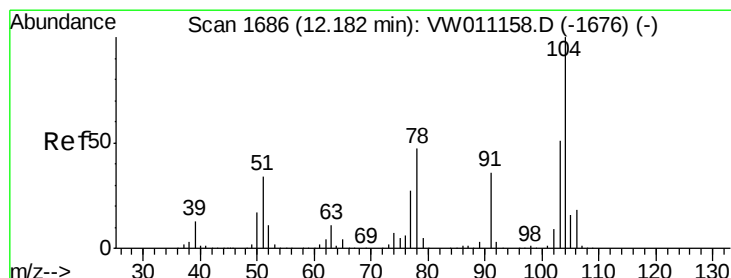
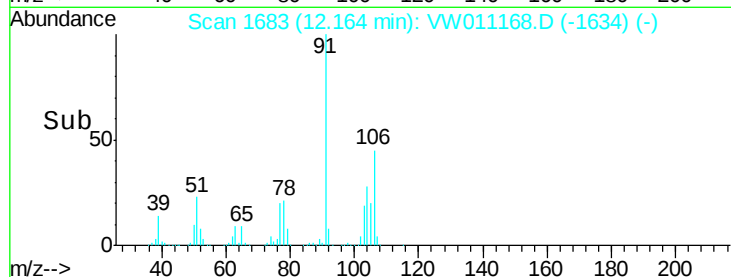
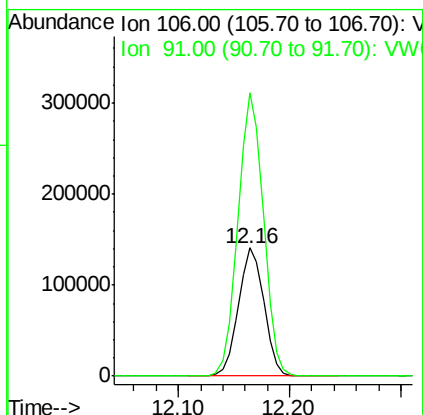
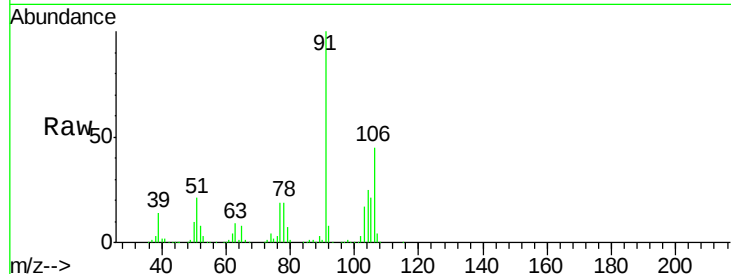
#69
o-Xylene
Concen: 48.798 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 224204
Ion Ratio Lower Upper
106 100
91 220.0 110.7 332.1

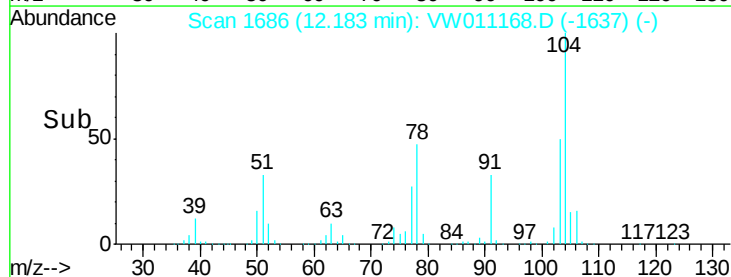
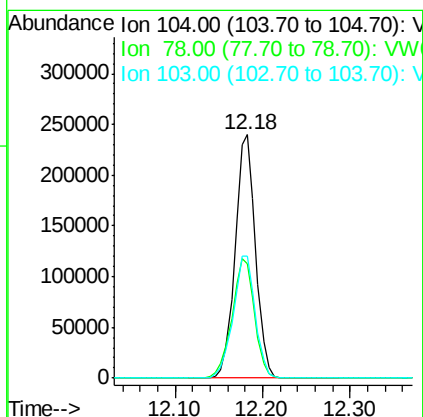
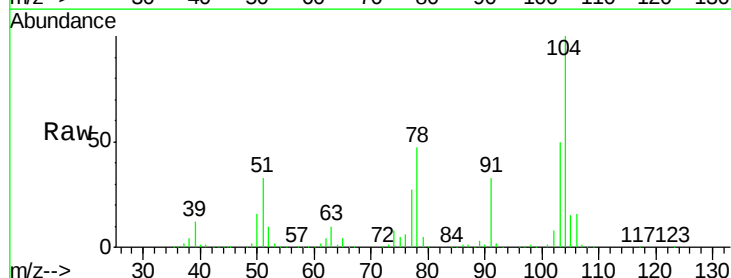
Manual Integrations
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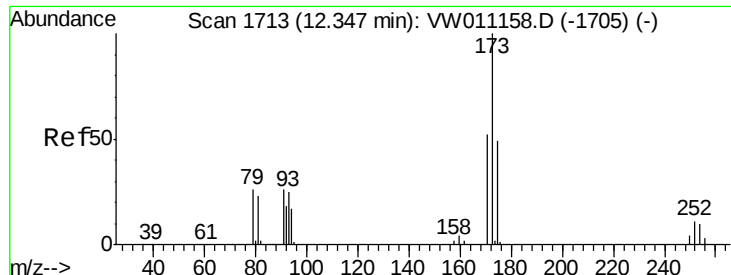
MMDadoda
7/9/2019 4:13:32 PM



#70
Styrene
Concen: 49.165 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion:104 Resp: 389850
Ion Ratio Lower Upper
104 100
78 53.9 43.1 64.7
103 54.4 44.1 66.1





#71

Bromoform

Concen: 47.337 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 62363

Ion Ratio Lower Upper

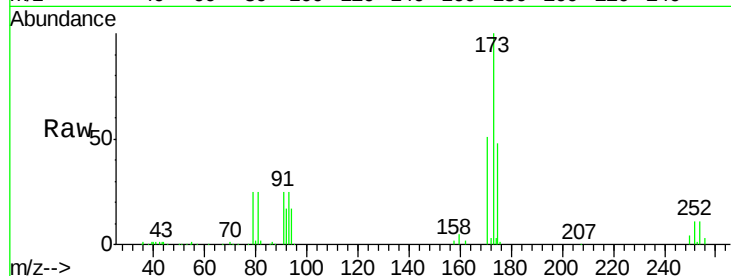
173 100

175 49.4 24.8 74.3

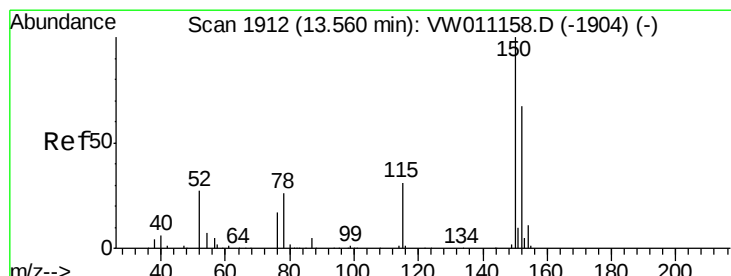
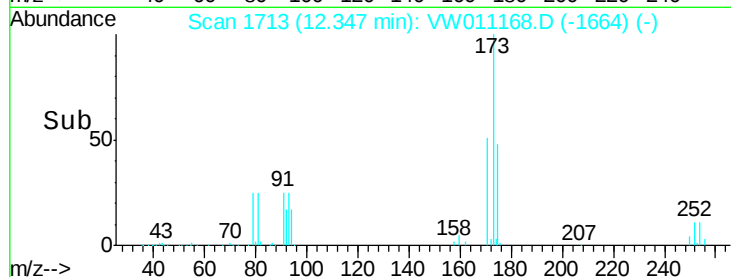
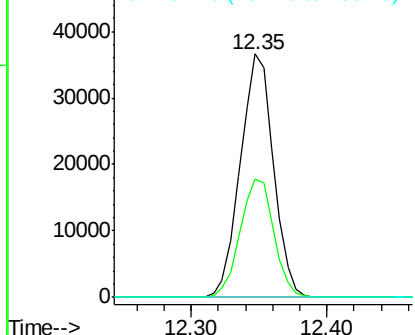
254 0.1 0.0 0.0#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

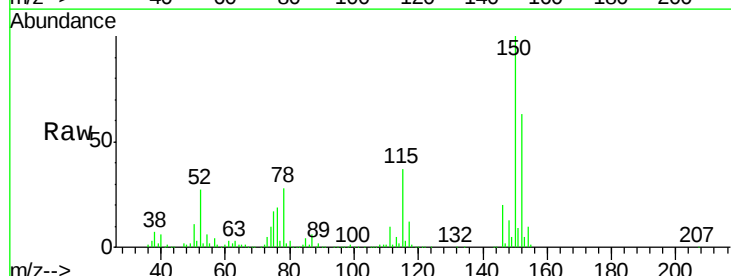
Tgt Ion:152 Resp: 170276

Ion Ratio Lower Upper

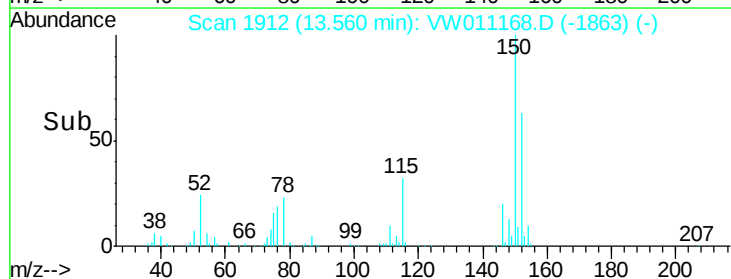
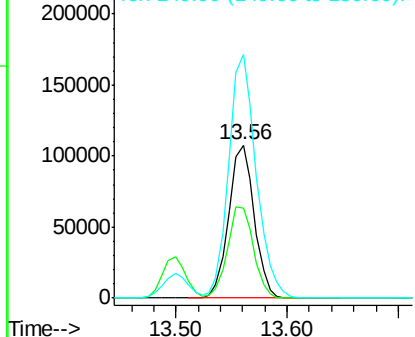
152 100

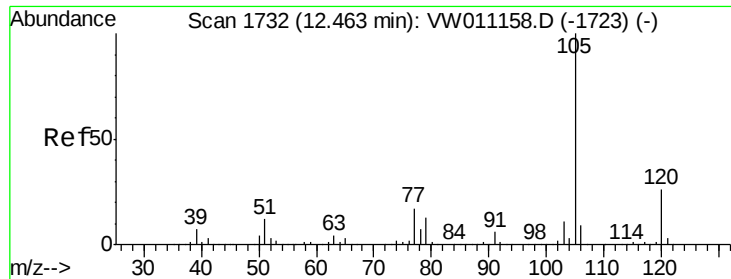
115 60.9 30.1 90.3

150 172.1 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.006 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 611059

Ion Ratio Lower Upper

105 100

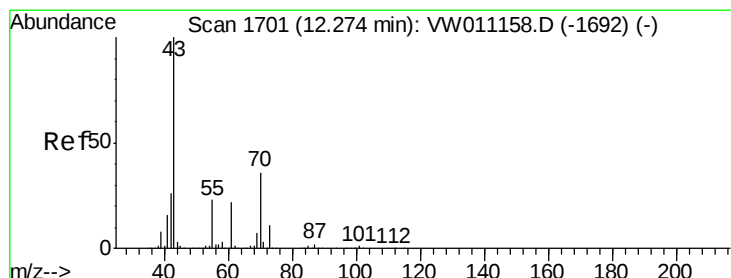
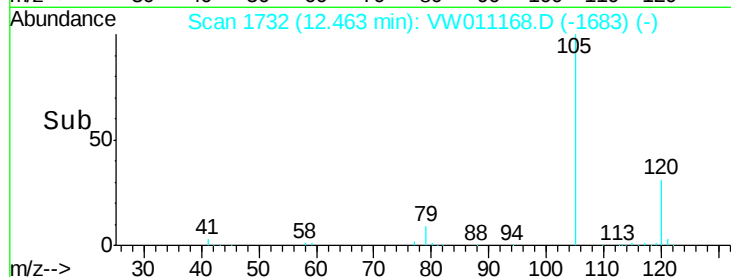
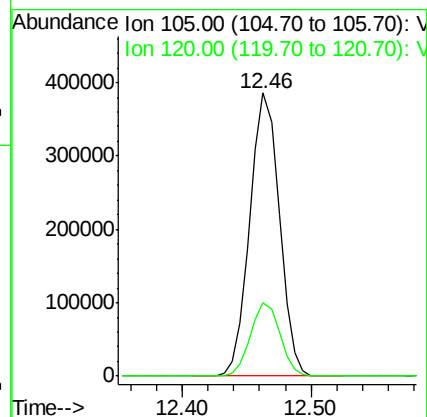
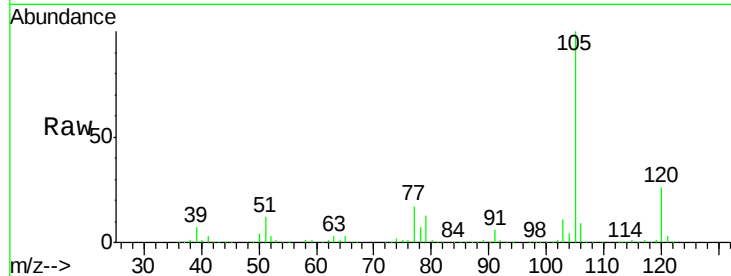
120 25.8 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.657 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Tgt Ion: 43 Resp: 220137

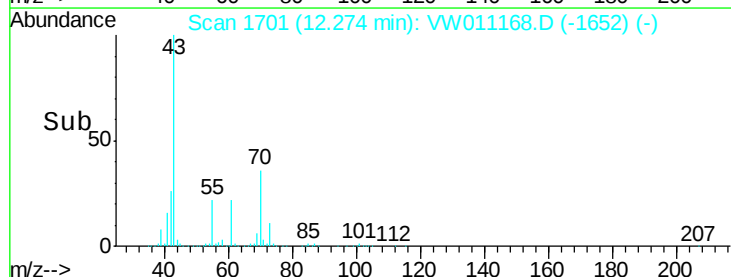
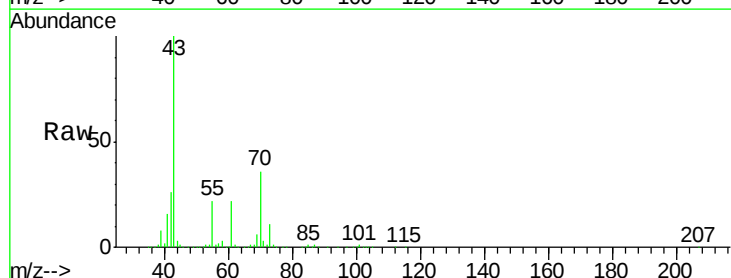
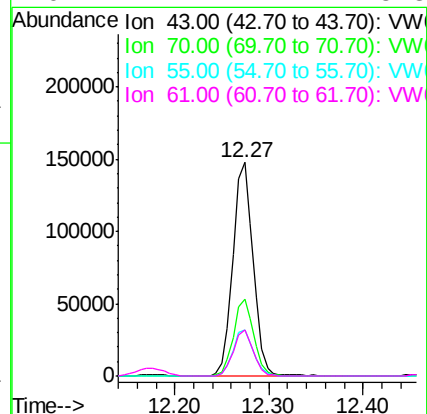
Ion Ratio Lower Upper

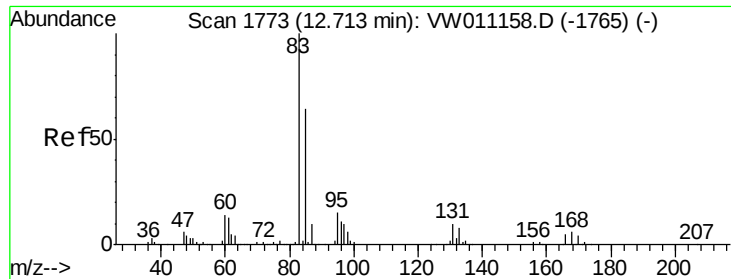
43 100

70 36.1 28.5 42.7

55 22.1 18.1 27.1

61 21.4 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.975 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

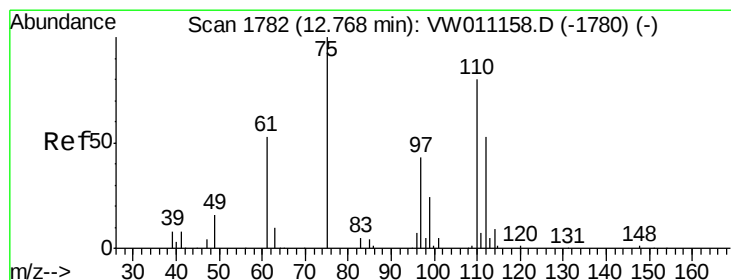
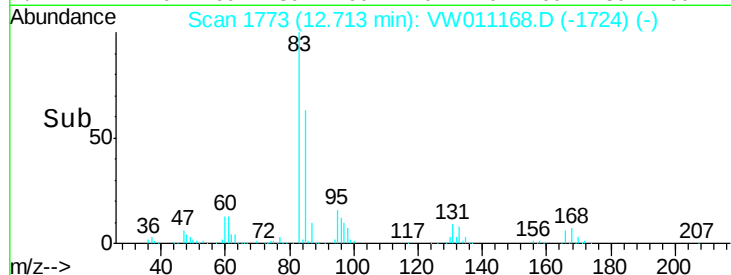
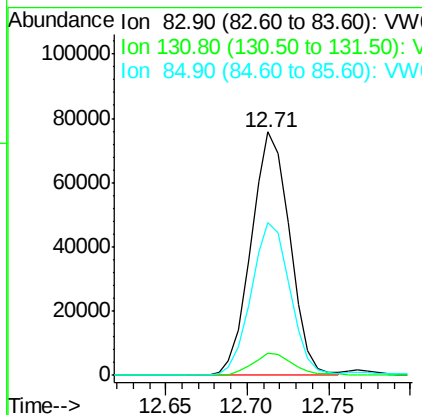
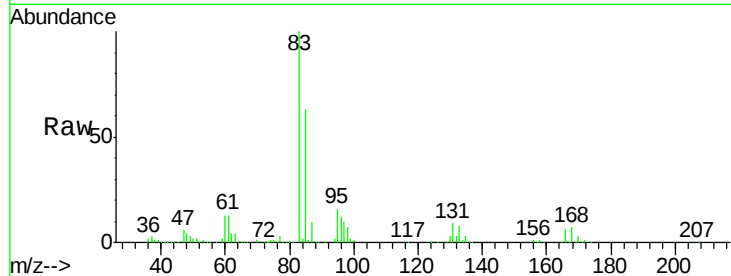
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	125177
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	15.0
85	63.2	31.6	94.8

Manual Integrations
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MMDadoda
7/9/2019 4:13:32 PM



#76

1,2,3-Trichloropropane

Concen: 43.796 ug/l m

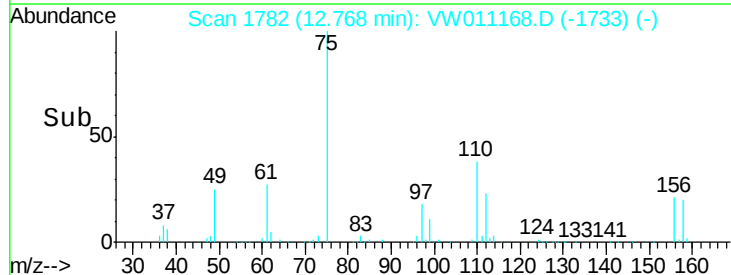
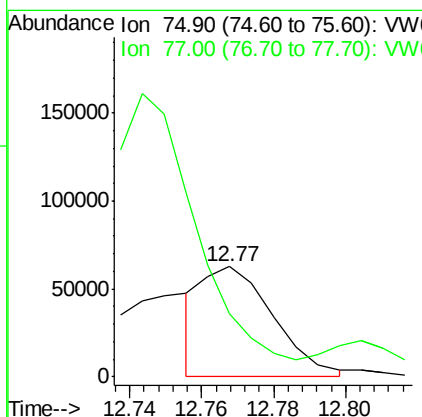
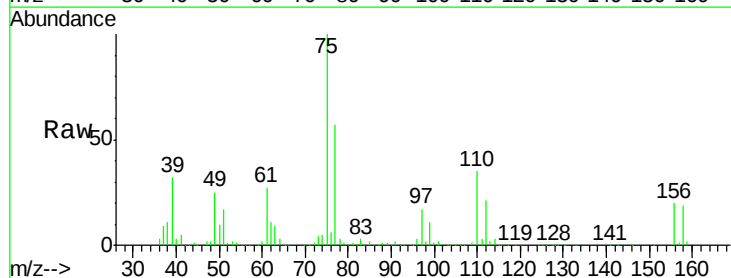
RT: 12.77 min Scan# 1782

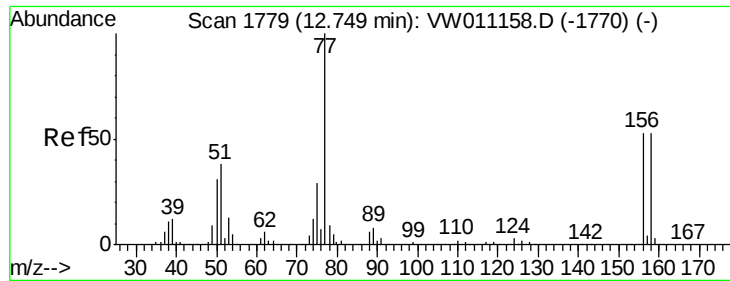
Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Tgt Ion:	75	Resp:	86179
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.054 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 137268

Ion Ratio Lower Upper

156 100

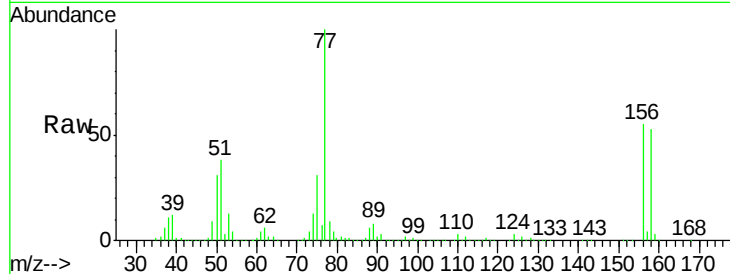
77 215.9 109.0 327.0

158 96.1 48.8 146.3

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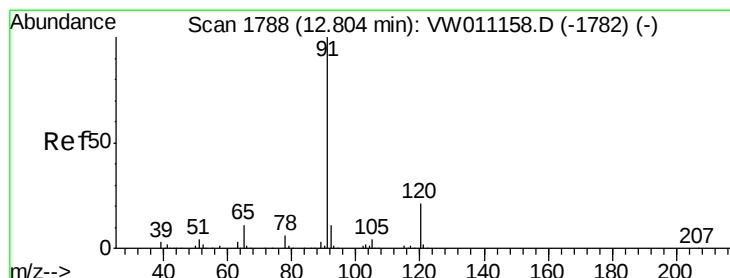
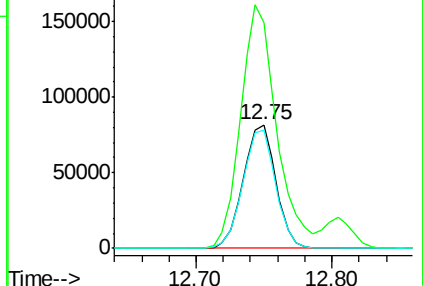
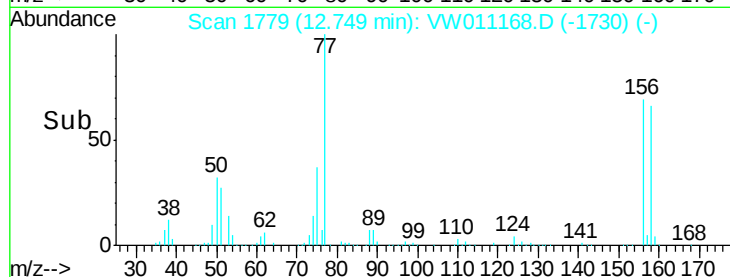
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.180 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011168.D

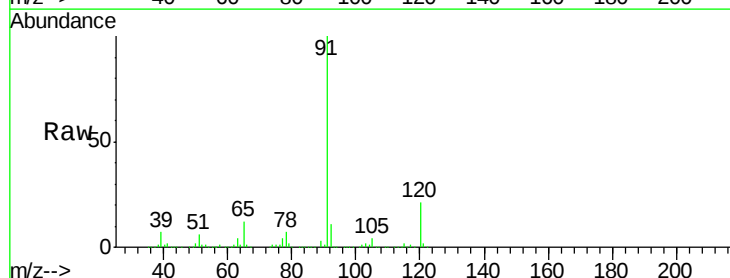
Acq: 08 Jul 2019 19:01

Tgt Ion: 91 Resp: 755457

Ion Ratio Lower Upper

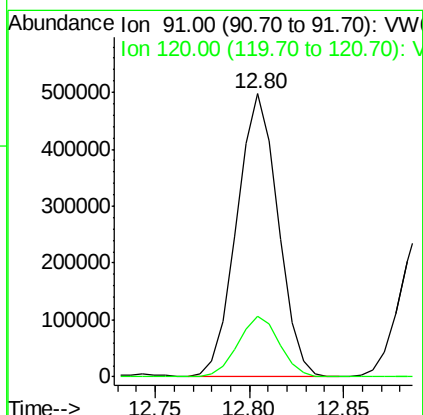
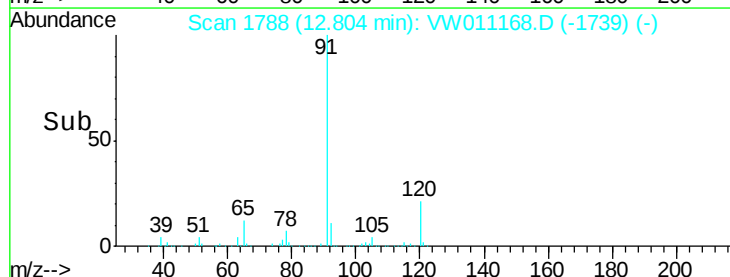
91 100

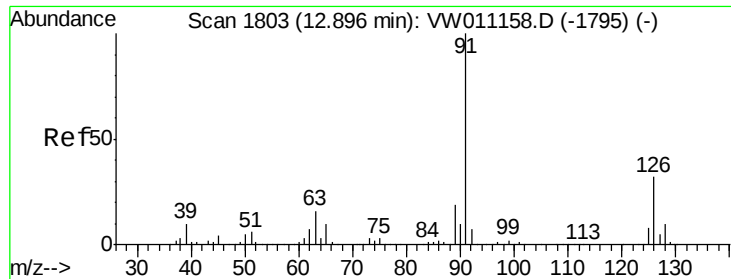
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





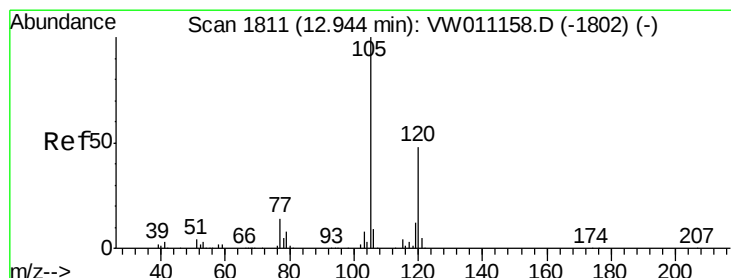
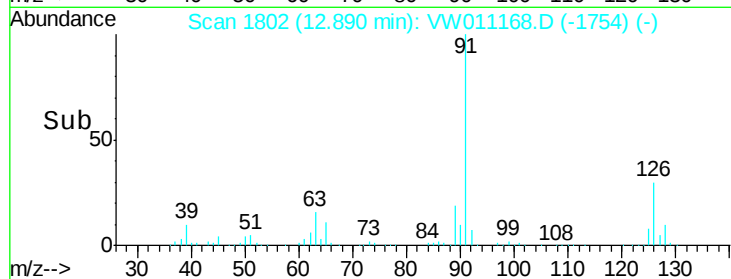
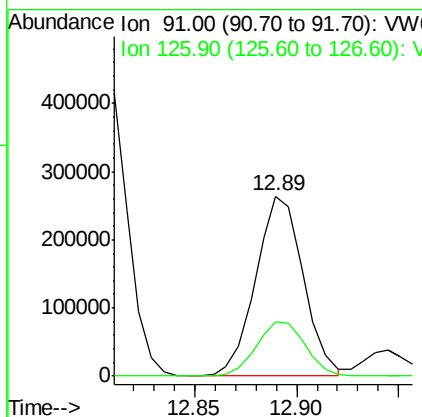
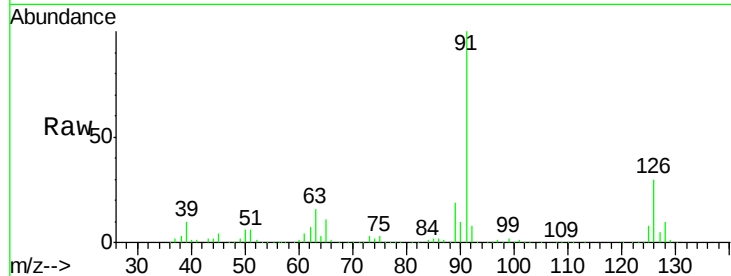
#79
 2-Chlorotoluene
 Concen: 47.386 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 427567
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.8 47.3

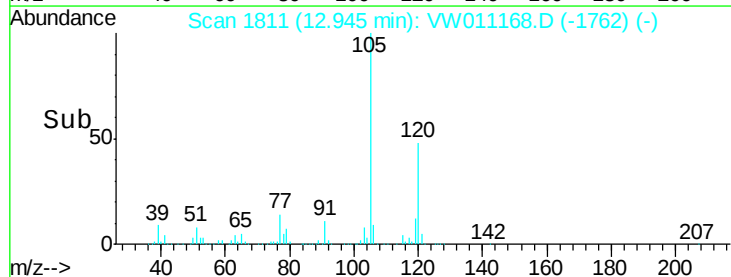
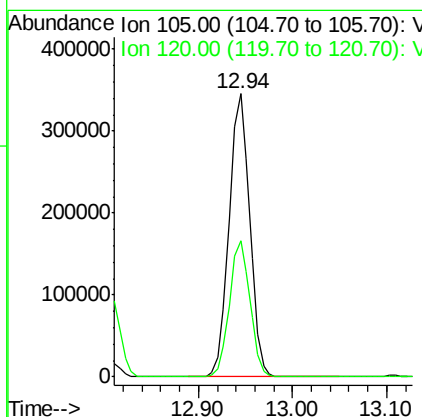
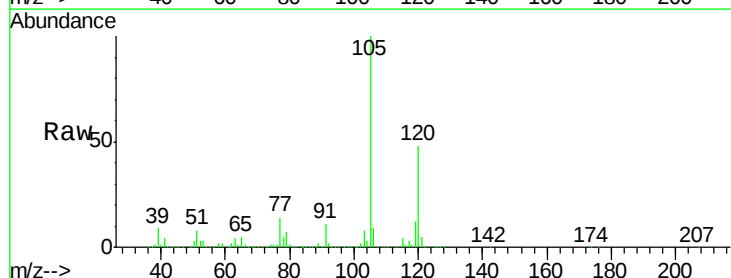
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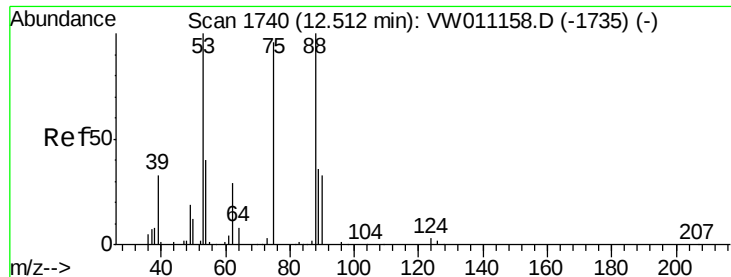
MMDadoda
 7/9/2019 4:13:32 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.610 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion: 105 Resp: 525656
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.2





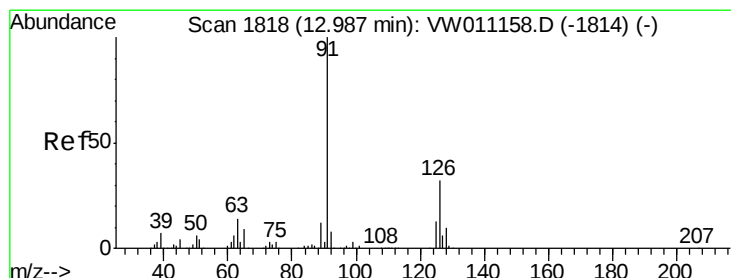
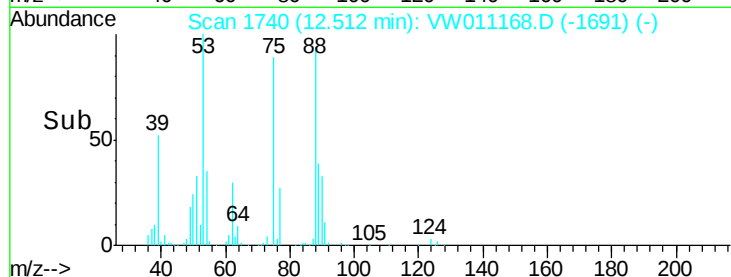
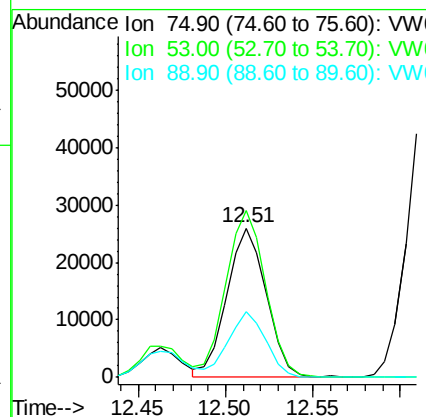
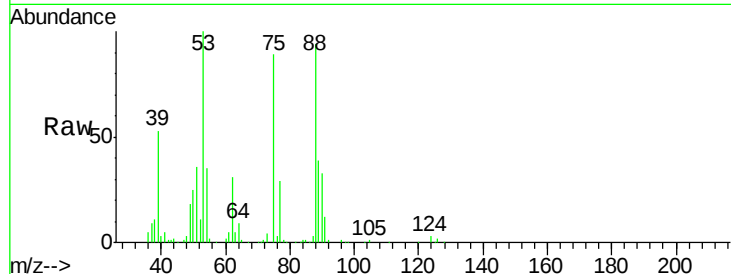
#81
trans-1,4-Dichloro-2-butene
Concen: 46.591 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.4	89.8	134.6
89	41.8	34.3	51.5

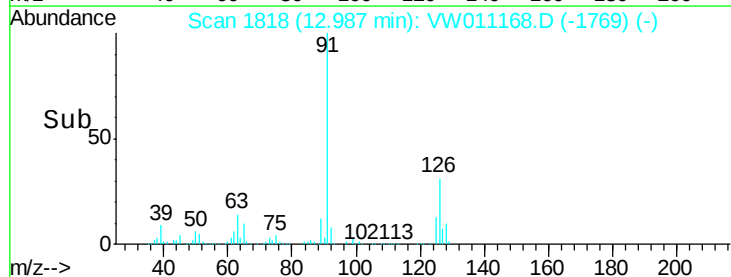
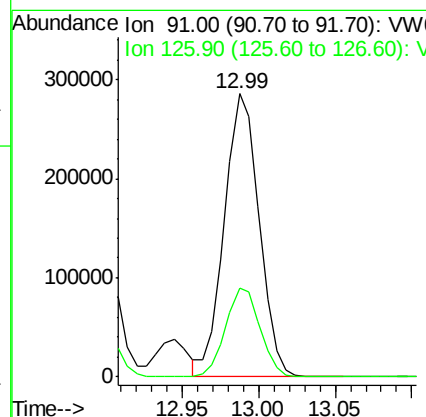
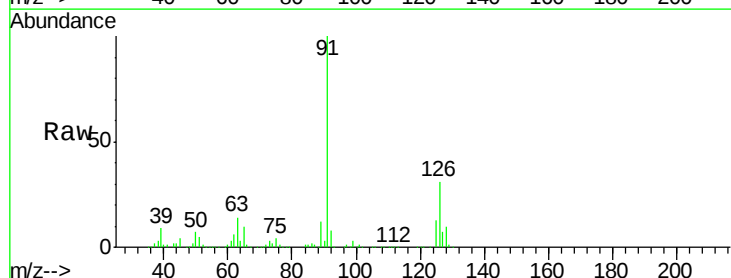
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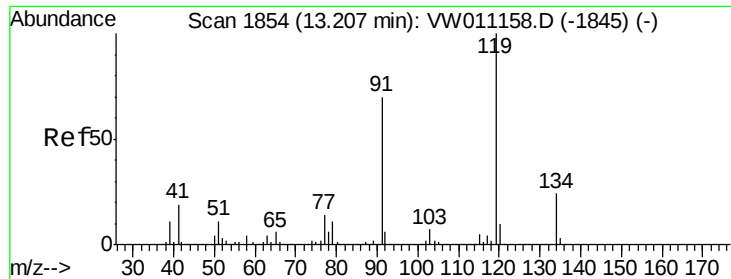
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#82
4-Chlorotoluene
Concen: 47.873 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1





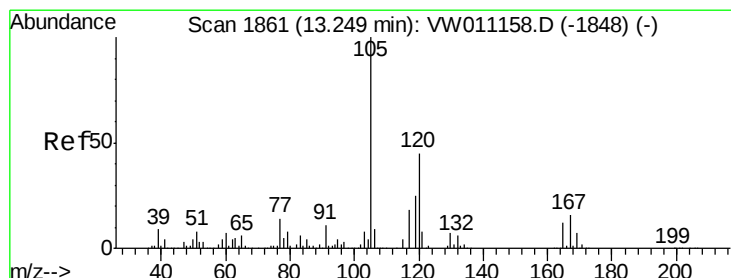
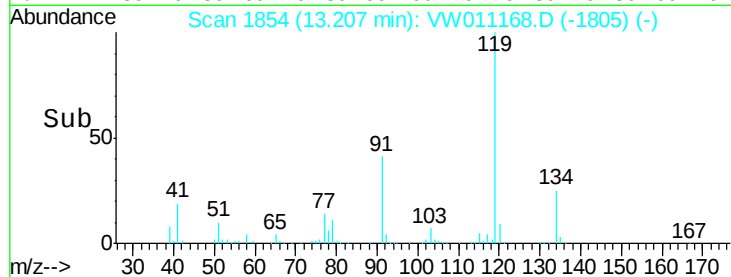
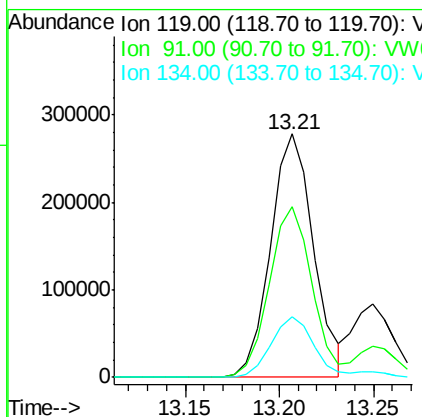
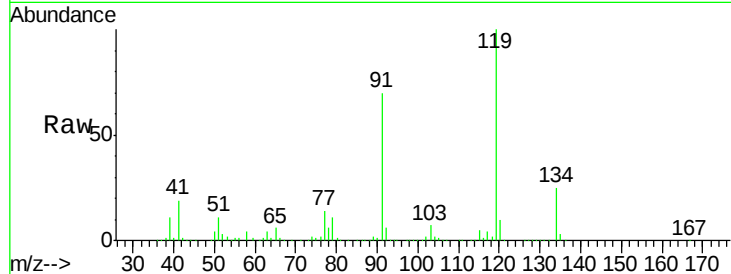
#83
tert-Butylbenzene
Concen: 48.739 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.2	35.4	106.3
134	25.0	13.4	40.2

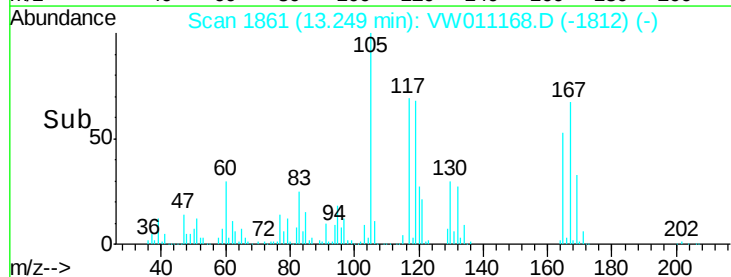
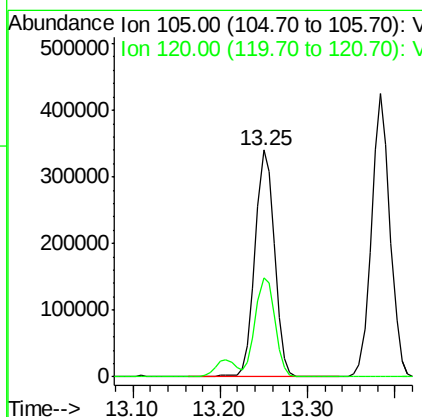
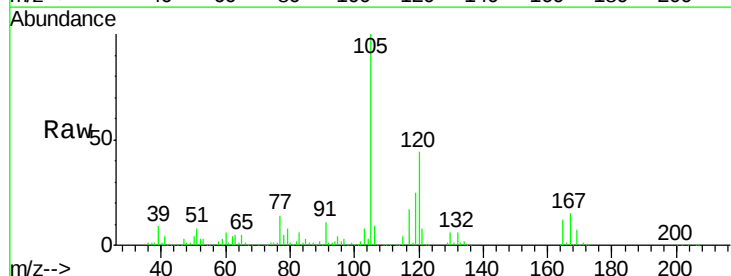
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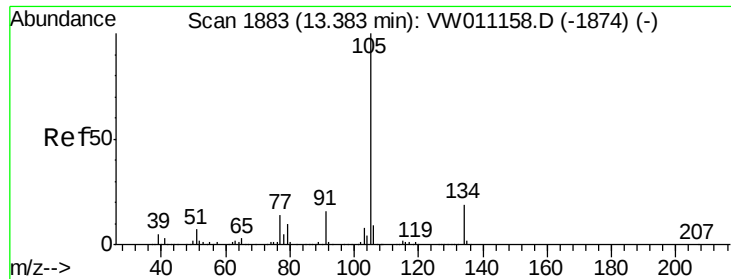
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#84
1,2,4-Trimethylbenzene
Concen: 48.367 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.9





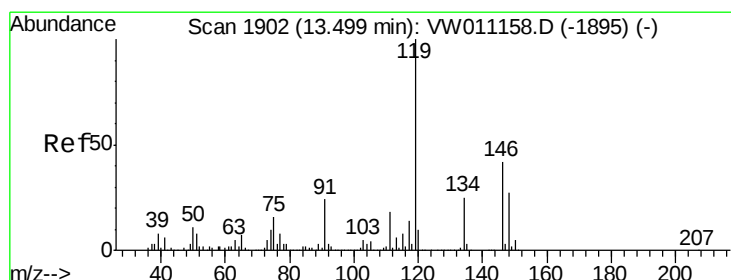
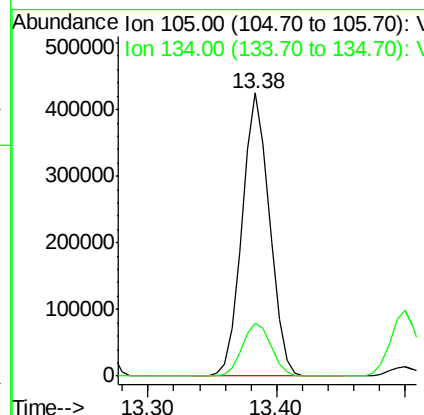
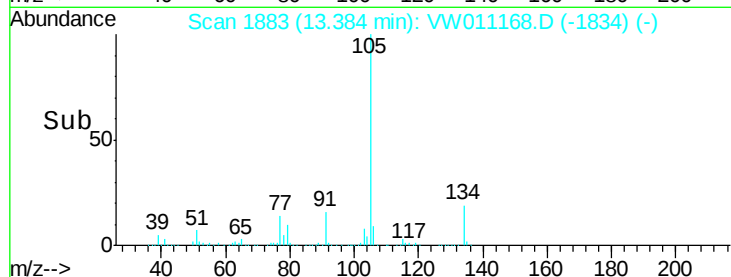
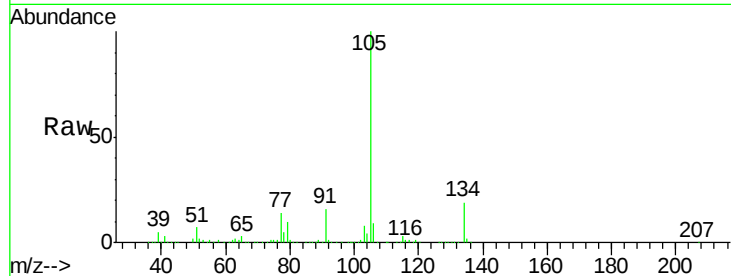
#85
 sec-Butylbenzene
 Concen: 48.134 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	28.9

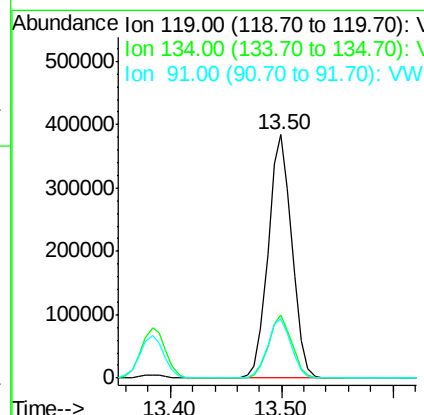
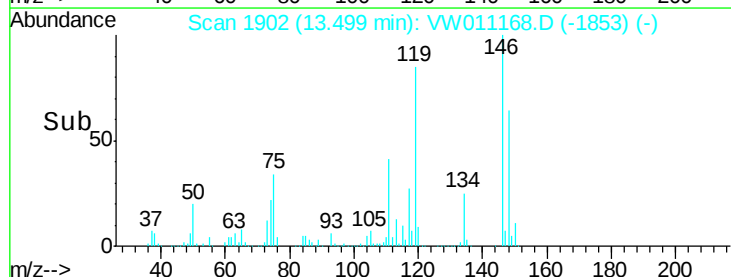
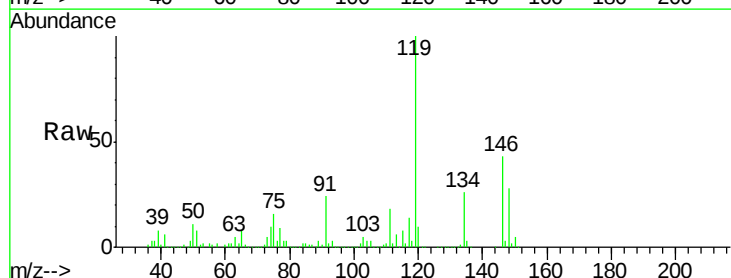
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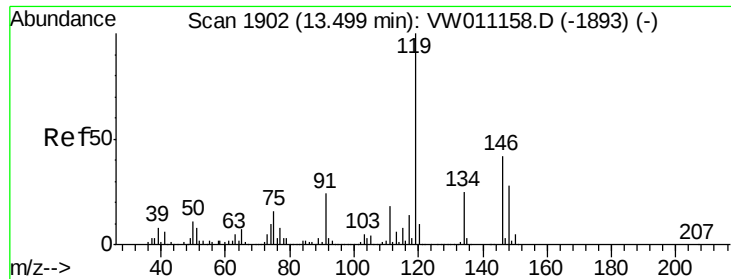
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 7/9/2019 4:13:32 PM



#86
 p-Isopropyltoluene
 Concen: 48.772 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.6
91	24.4	12.3	36.8





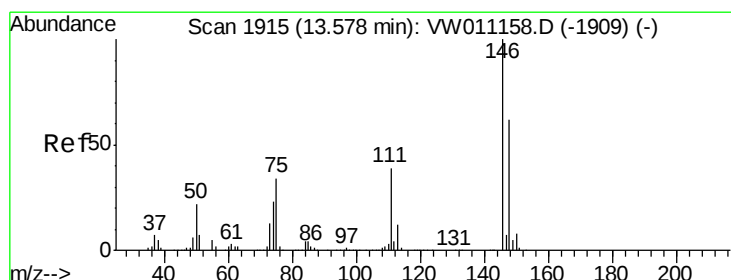
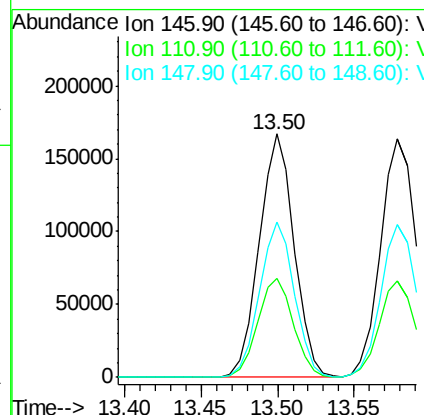
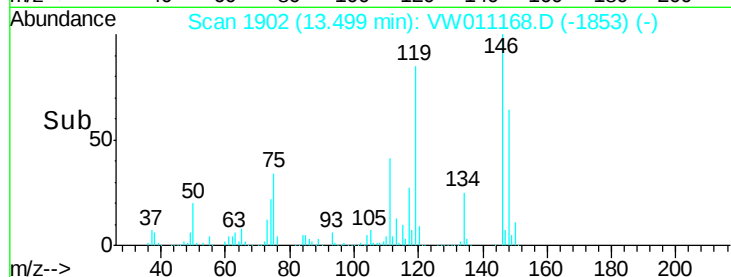
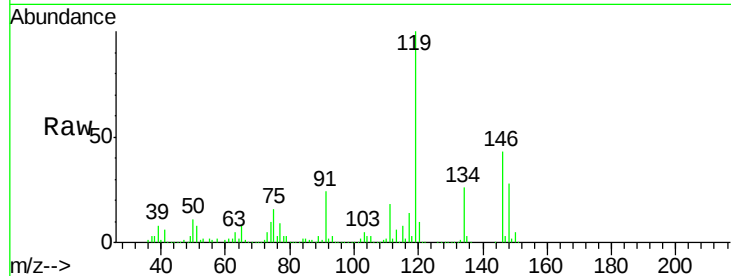
#87
 1,3-Dichlorobenzene
 Concen: 48.124 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	264490		
111	41.5	21.1	63.1	
148	64.1	32.6	97.7	

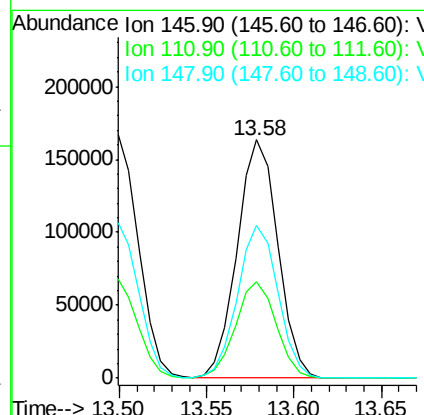
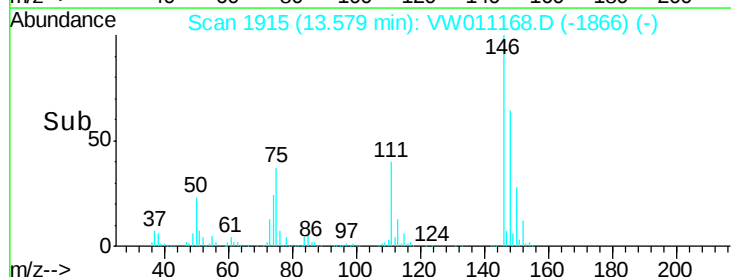
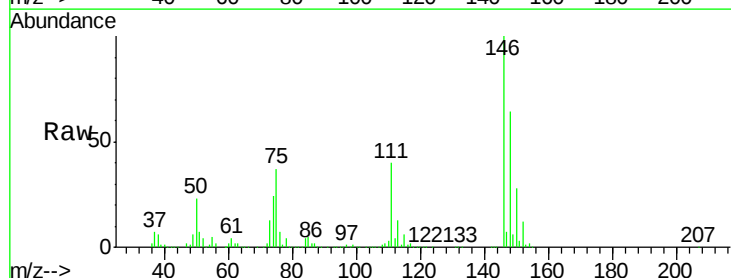
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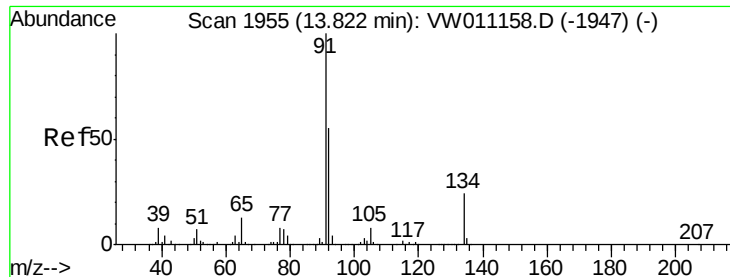
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#88
 1,4-Dichlorobenzene
 Concen: 47.758 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	264311		
111	40.4	19.9	59.7	
148	63.9	31.5	94.5	





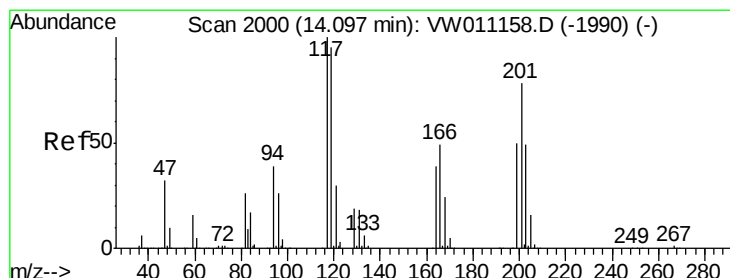
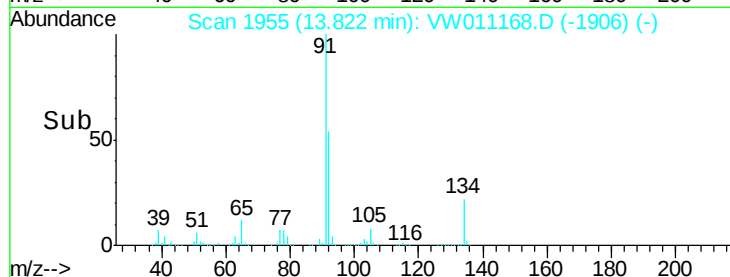
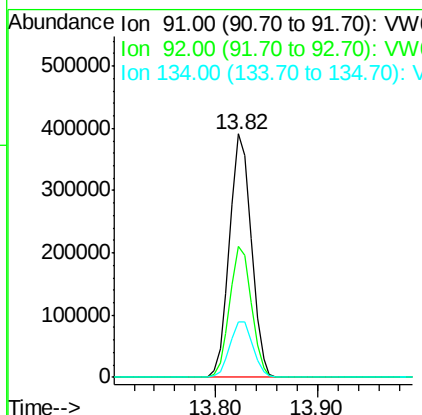
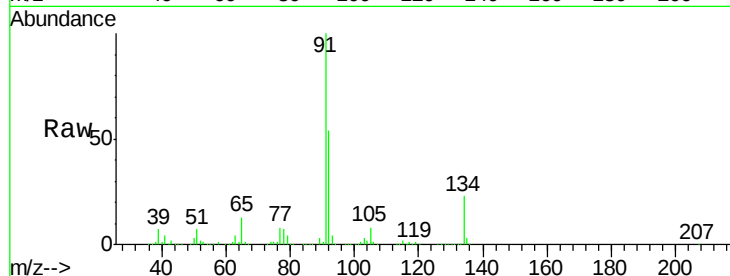
#89
n-Butylbenzene
Concen: 49.402 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.9	80.7
134	24.0	12.2	36.4

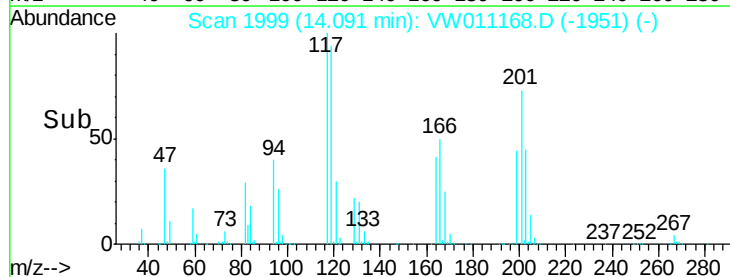
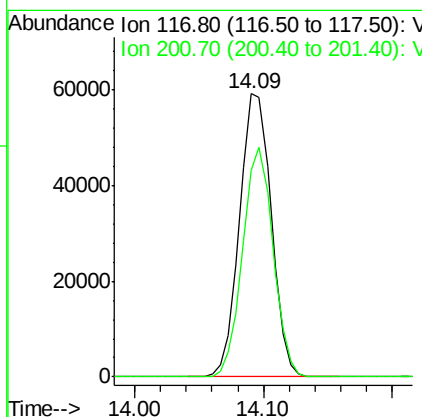
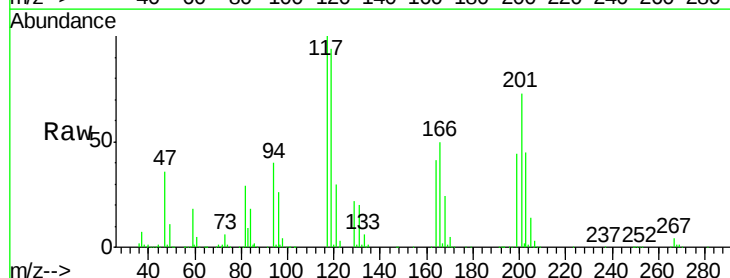
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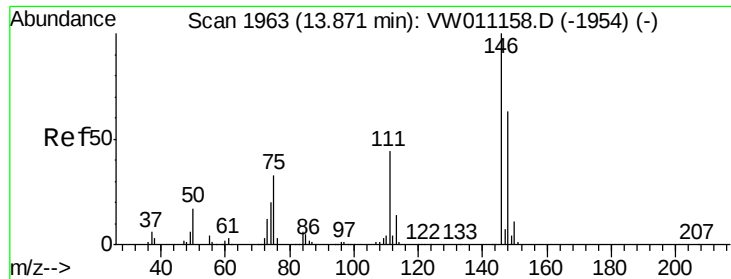
MMDadoda
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#90
Hexachloroethane
Concen: 47.330 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.5	38.3	114.8





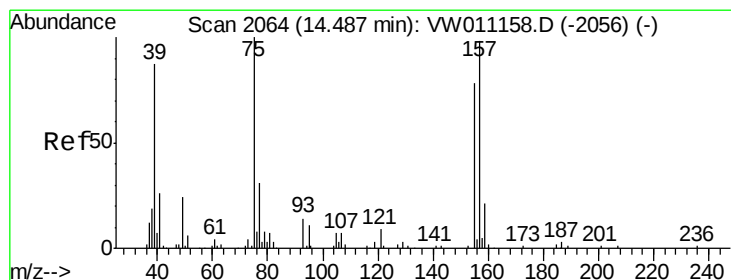
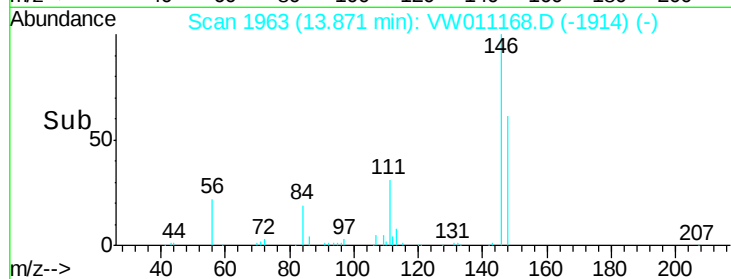
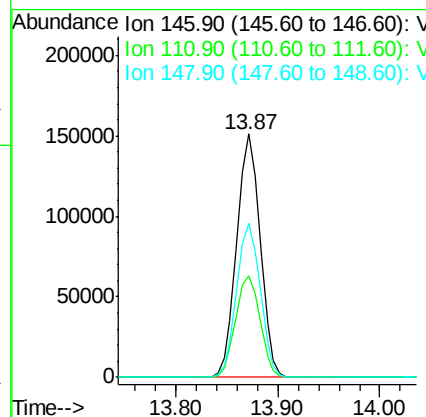
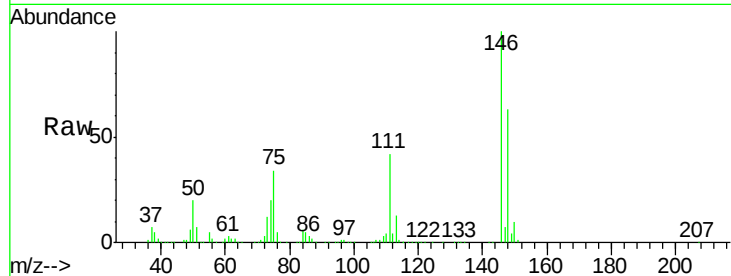
#91
 1,2-Dichlorobenzene
 Concen: 48.141 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	65.0
148	64.1	31.9	95.5

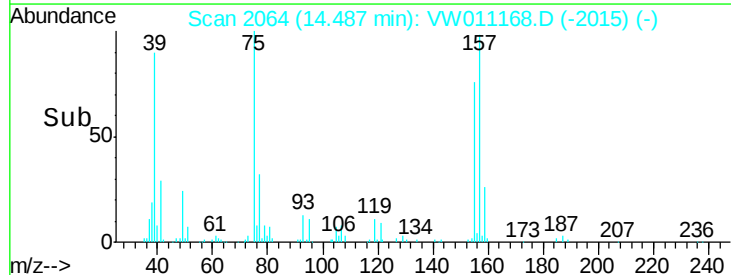
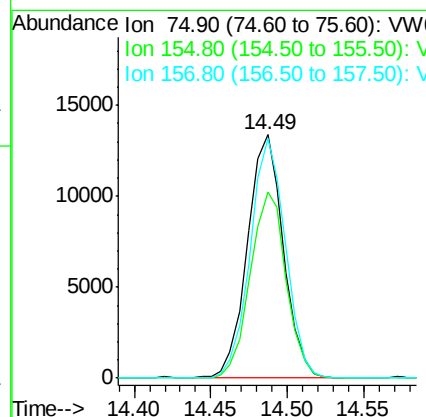
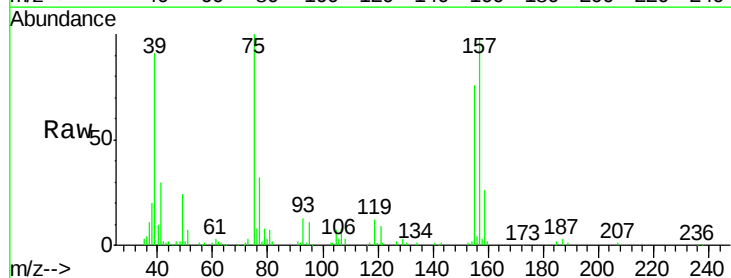
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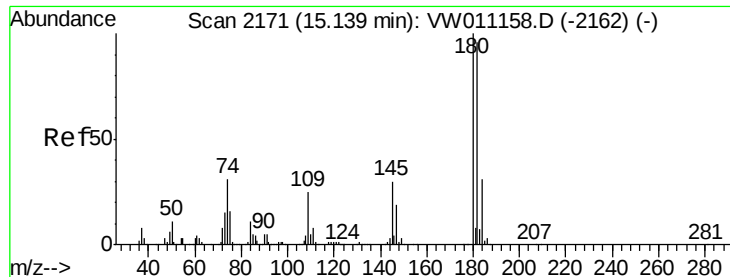
MMDadoda
 7/9/2019 4:13:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.056 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011168.D
 Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	37.1	111.3
157	96.9	48.5	145.6





#93

1,2,4-Trichlorobenzene

Concen: 50.369 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.01 min

Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

Instrument :

MSVOA_W

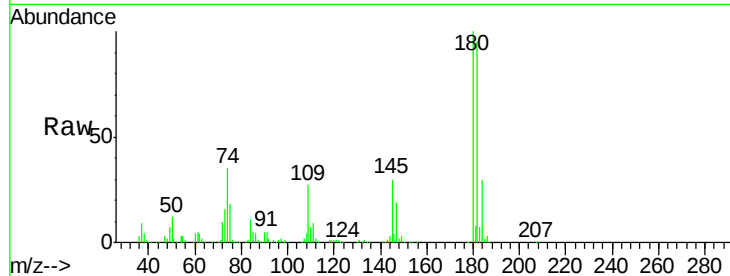
ClientSampleId :

VSTDCCC050EC

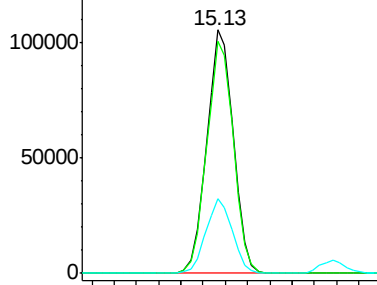
Tot Ion:	180	Resp:	172981
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.3	144.9
145	30.6	15.5	46.5

Manual Integrations
APPROVED

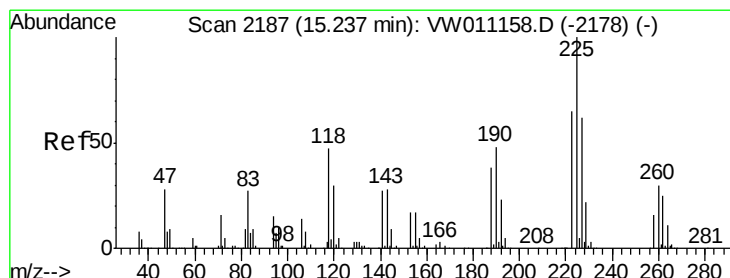
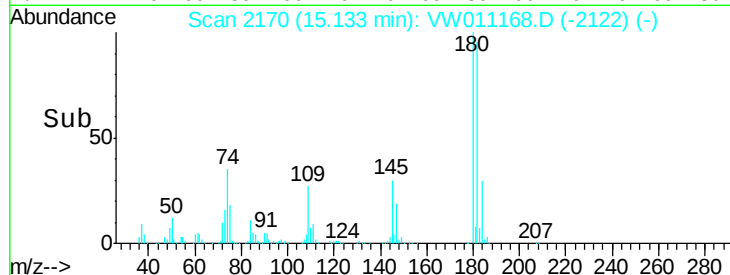
MMDadoda
7/9/2019 4:13:32 PM



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



Time-->



#94

Hexachlorobutadiene

Concen: 47.758 ug/l

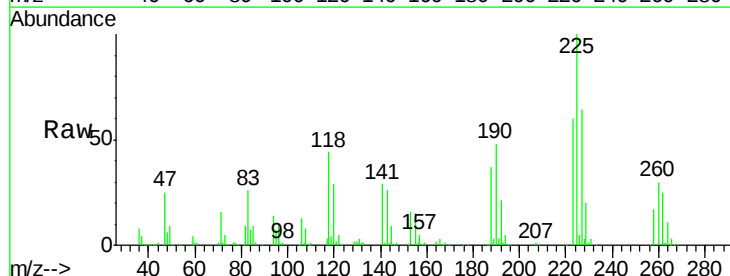
RT: 15.24 min Scan# 2187

Delta R.T. 0.00 min

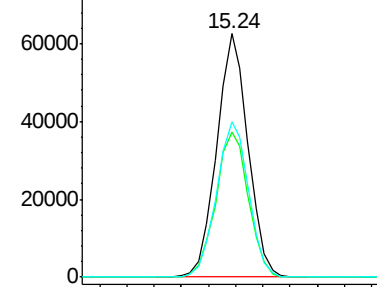
Lab File: VW011168.D

Acq: 08 Jul 2019 19:01

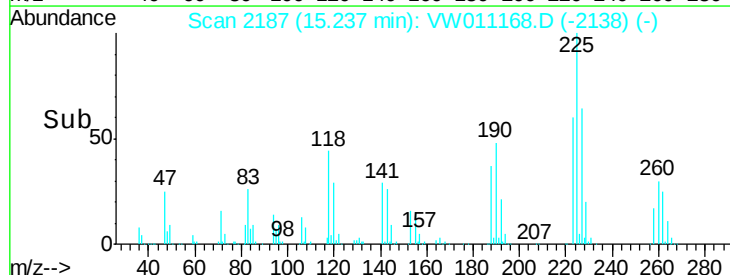
Tgt Ion:	225	Resp:	100695
Ion Ratio	Lower	Upper	
225	100		
223	62.3	31.6	95.0
227	65.7	32.0	96.0

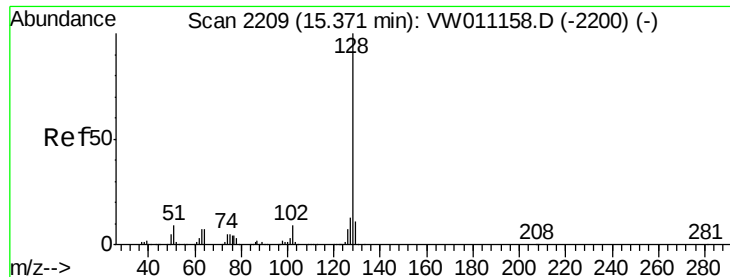


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



Time-->





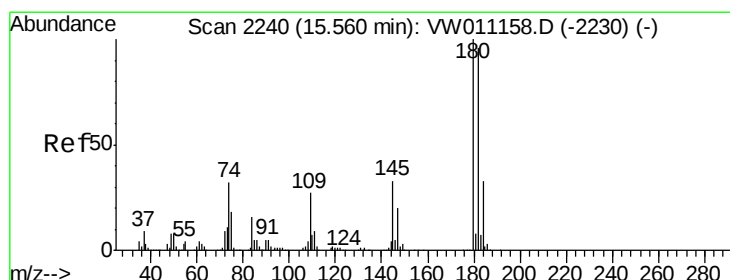
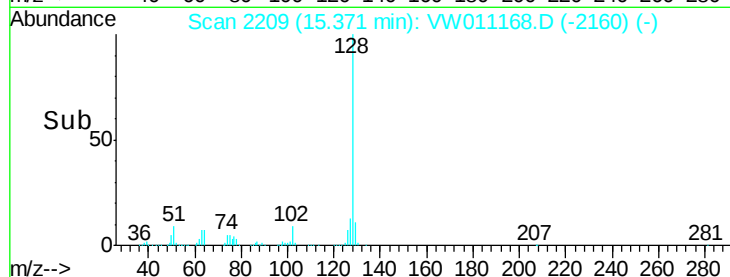
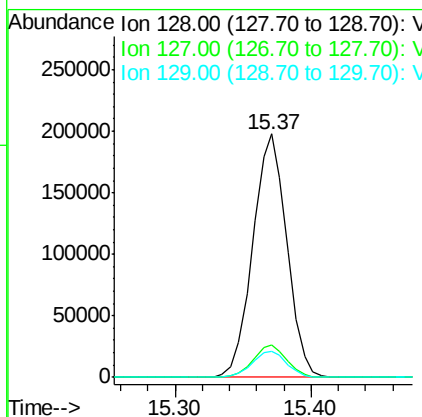
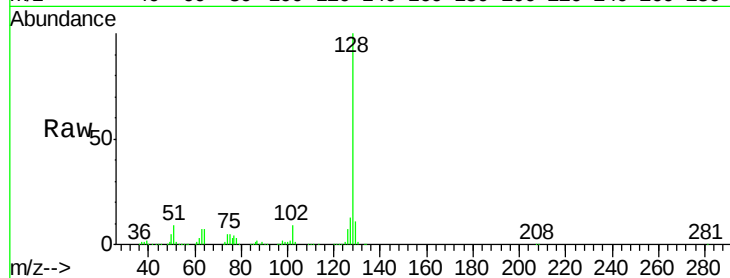
#95
Naphthalene
Concen: 52.615 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/9/2019 4:13:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.071 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011168.D
Acq: 08 Jul 2019 19:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.6	142.8
145	31.9	16.5	49.5

