

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011863.D
 Acq On : 12 Aug 2019 19:59
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/13/2019 2:43:10 PM

Quant Time: Aug 13 09:06:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153893	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137113	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
35) Dibromofluoromethane	7.88	113	109487	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
50) Toluene-d8	10.32	98	437362	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.62	95	156027	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	54335	44.689	ug/l	96
3) Chloromethane	2.21	50	92726	43.981	ug/l	99
4) Vinyl Chloride	2.36	62	116438	45.873	ug/l	97
5) Bromomethane	2.76	94	59772	42.543	ug/l	99
6) Chloroethane	2.91	64	71681	49.439	ug/l	99
7) Trichlorofluoromethane	3.24	101	63443	55.927	ug/l	99
8) Diethyl Ether	3.68	74	68958	53.615	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	112692	52.369	ug/l	98
10) Methyl Iodide	4.27	142	163948	53.912	ug/l	99
11) Tert butyl alcohol	5.18	59	42808	230.131	ug/l	99
12) 1,1-Dichloroethene	4.04	96	112163	49.366	ug/l	95
13) Acrolein	3.89	56	31734	176.545	ug/l	95
14) Allyl chloride	4.66	41	262478	54.315	ug/l	98
15) Acrylonitrile	5.37	53	172549	268.748	ug/l	99
16) Acetone	4.12	43	156823	196.798	ug/l	96
17) Carbon Disulfide	4.38	76	345893	48.640	ug/l	100
18) Methyl Acetate	4.67	43	101545	56.724	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	197898	54.888	ug/l	100
20) Methylene Chloride	4.91	84	136265	49.582	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	131636	53.739	ug/l	97
22) Diisopropyl ether	6.31	45	505800	55.515	ug/l	99
23) Vinyl Acetate	6.25	43	1542490	269.433	ug/l	100
24) 1,1-Dichloroethane	6.21	63	269440	55.218	ug/l	99
25) 2-Butanone	7.17	43	240880	231.009	ug/l	99
26) 2,2-Dichloropropane	7.17	77	138269	46.076	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	142824	52.977	ug/l	100
28) Bromochloromethane	7.51	49	119730	55.281	ug/l	98
29) Tetrahydrofuran	7.53	42	158231	265.473	ug/l	99
30) Chloroform	7.68	83	246566	54.771	ug/l	99
31) Cyclohexane	7.96	56	234033	49.965	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	190811	55.656	ug/l	99
36) 1,1-Dichloropropene	8.08	75	197913	53.169	ug/l	100
37) Ethyl Acetate	7.25	43	112324	52.450	ug/l	98
38) Carbon Tetrachloride	8.07	117	171645	53.865	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	215179	52.499	ug/l	96
40) Benzene	8.32	78	559428	53.655	ug/l	100
41) Methacrylonitrile	7.48	41	66987	52.327	ug/l	98
42) 1,2-Dichloroethane	8.40	62	177706	54.438	ug/l	100
43) Isopropyl Acetate	8.42	43	210566	53.464	ug/l	99
44) Trichloroethene	9.09	130	133198	53.152	ug/l	99
45) 1,2-Dichloropropane	9.37	63	152235	54.569	ug/l	99
46) Dibromomethane	9.46	93	68551	53.837	ug/l	99
47) Bromodichloromethane	9.64	83	184565	55.258	ug/l	97
48) Methyl methacrylate	9.44	41	101314	53.551	ug/l	98
49) 1,4-Dioxane	9.45	88	19970	1083.170	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	542022	264.582	ug/l	100
52) Toluene	10.39	92	339066	53.850	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	190997	54.742	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	224176	54.038	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	97110	53.752	ug/l	97
56) Ethyl methacrylate	10.65	69	143126	54.139	ug/l	98
57) 1,3-Dichloropropane	10.93	76	184801	54.068	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	394355	328.538	ug/l	99
59) 2-Hexanone	10.97	43	366489	253.373	ug/l	100
60) Dibromochloromethane	11.13	129	110462	55.082	ug/l	99
61) 1,2-Dibromoethane	11.24	107	90329	52.834	ug/l	99
64) Tetrachloroethene	10.86	164	109837	52.966	ug/l	98
65) Chlorobenzene	11.66	112	338036	52.792	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	122933	55.118	ug/l	100
67) Ethyl Benzene	11.73	91	657971	53.954	ug/l	100
68) m/p-Xylenes	11.84	106	476615	107.467	ug/l	100
69) o-Xylene	12.16	106	221695	53.793	ug/l	98
70) Styrene	12.18	104	390470	54.798	ug/l	99
71) Bromoform	12.35	173	62928	55.337	ug/l #	99
73) Isopropylbenzene	12.46	105	619462	53.956	ug/l	100
74) N-amyl acetate	12.27	43	188184	52.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	115174	53.333	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	79589m	48.877	ug/l	
77) Bromobenzene	12.74	156	136417	53.758	ug/l	100
78) n-propylbenzene	12.80	91	754621	54.009	ug/l	99
79) 2-Chlorotoluene	12.89	91	430641	53.500	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	523045	54.349	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37657	53.297	ug/l	98
82) 4-Chlorotoluene	12.99	91	452451	53.573	ug/l	100
83) tert-Butylbenzene	13.21	119	436938	54.293	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	522997	53.947	ug/l	100
85) sec-Butylbenzene	13.38	105	620942	54.074	ug/l	100
86) p-Isopropyltoluene	13.50	119	560924	53.837	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	262579	52.772	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	257331	51.990	ug/l	100
89) n-Butylbenzene	13.82	91	552931	53.179	ug/l	99
90) Hexachloroethane	14.09	117	101666	55.183	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	232504	52.833	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19283	52.363	ug/l	98

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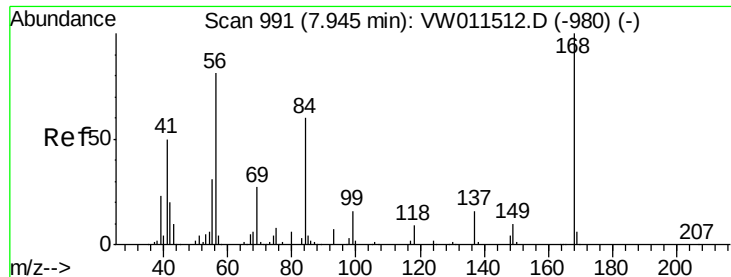
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	161298	52.006	ug/l	100
94) Hexachlorobutadiene	15.24	225	102188	52.833	ug/l	98
95) Naphthalene	15.37	128	300431	49.473	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	143925	52.940	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 168 Resp: 218163

Ion Ratio Lower Upper

168 100

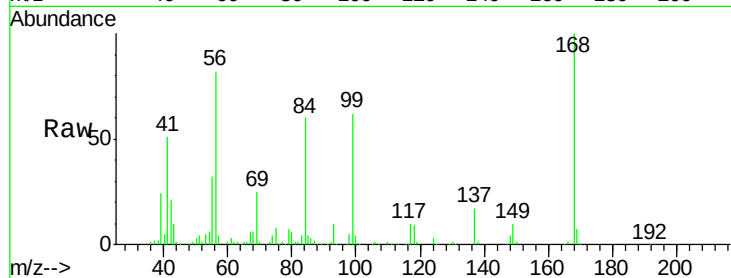
99 61.9 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

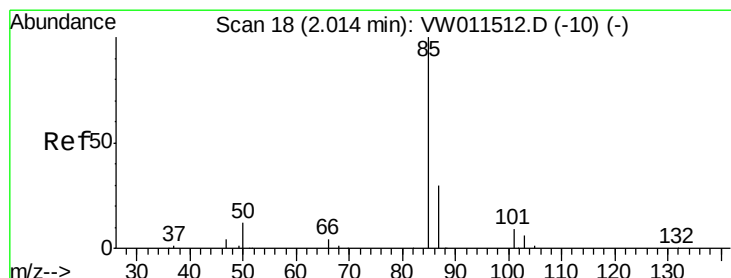
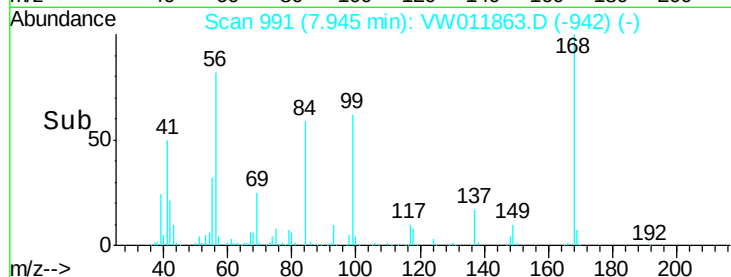
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 44.689 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011863.D

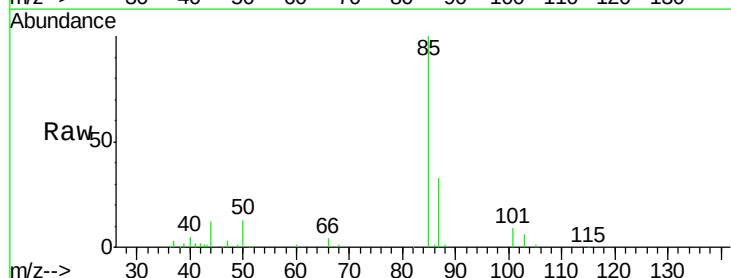
Acq: 12 Aug 2019 19:59

Tgt Ion: 85 Resp: 54335

Ion Ratio Lower Upper

85 100

87 32.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

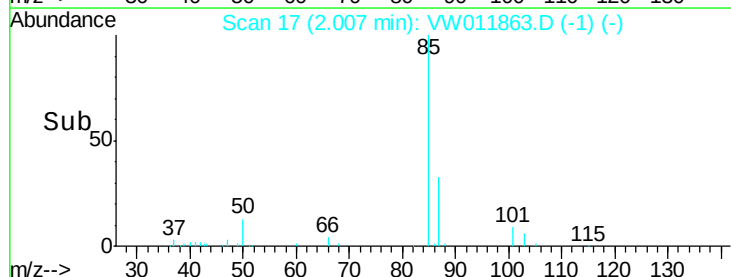
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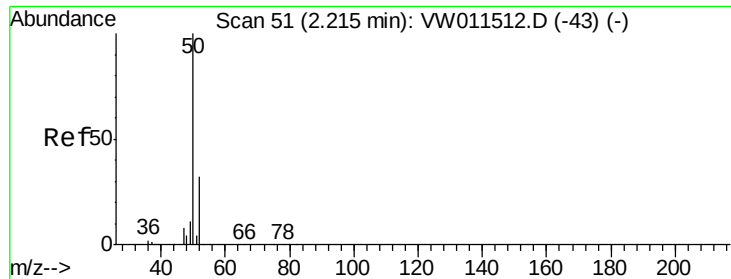
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 43.981 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 92726

Ion Ratio Lower Upper

50 100

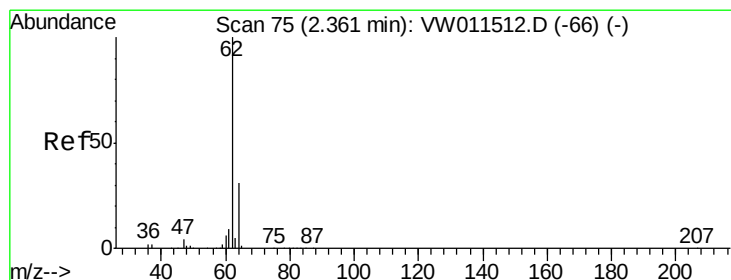
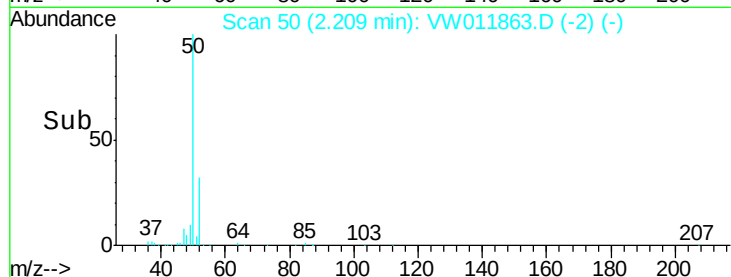
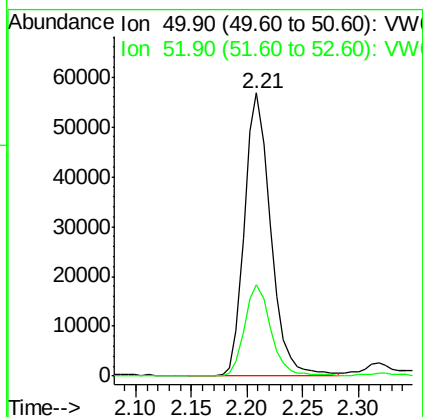
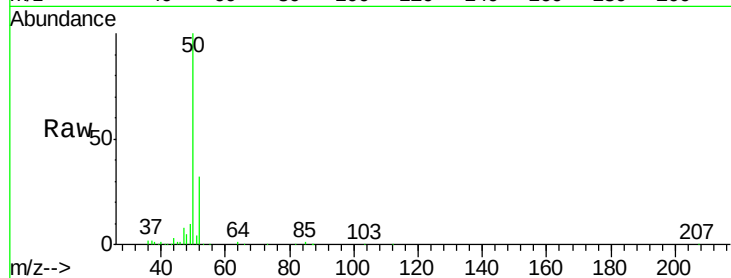
52 32.3 25.4 38.2

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#4

Vinyl Chloride

Concen: 45.873 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011863.D

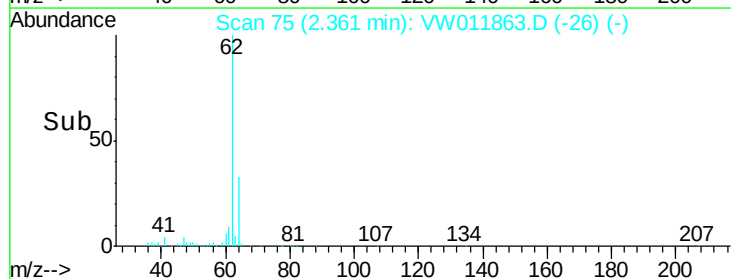
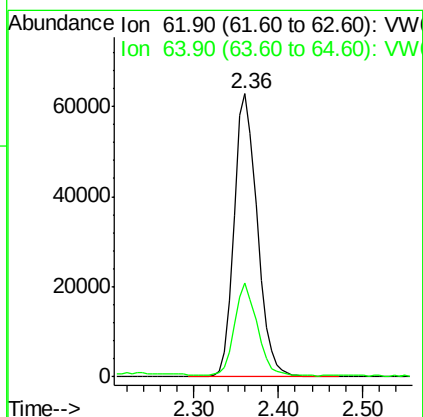
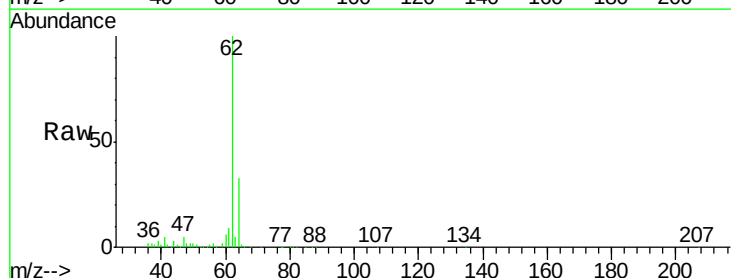
Acq: 12 Aug 2019 19:59

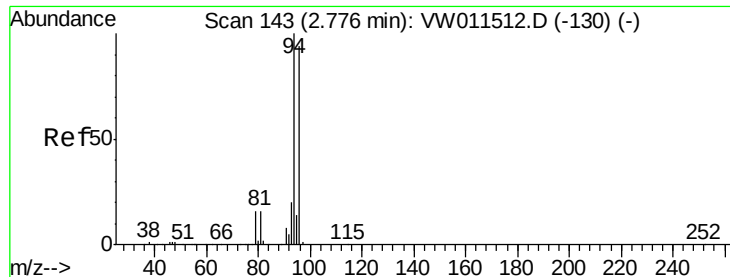
Tgt Ion: 62 Resp: 116438

Ion Ratio Lower Upper

62 100

64 32.7 25.0 37.4





#5

Bromomethane

Concen: 42.543 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 59772

Ion Ratio Lower Upper

94 100

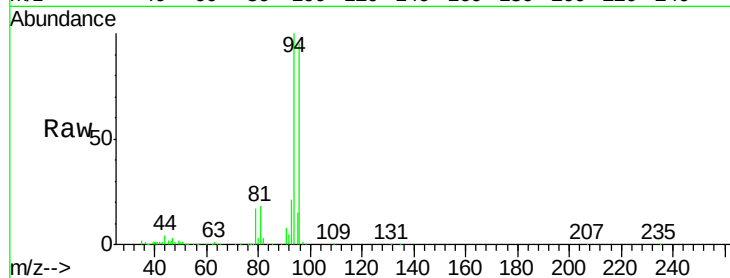
96 95.1 75.0 112.6

Manual Integrations

APPROVED

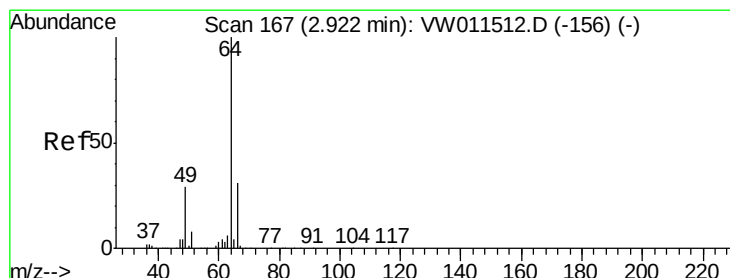
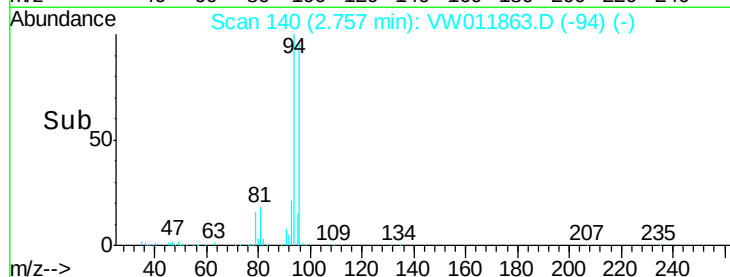
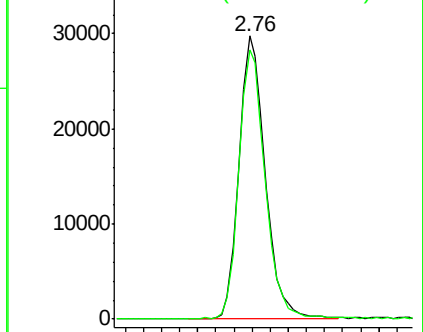
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 49.439 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011863.D

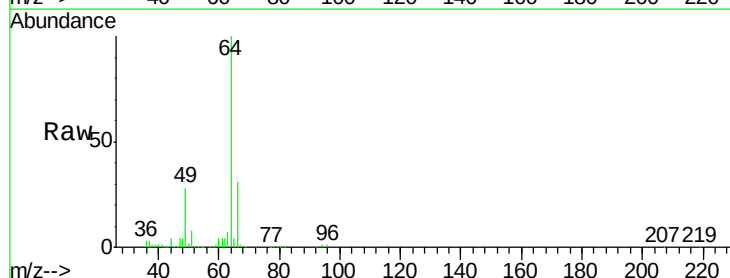
Acq: 12 Aug 2019 19:59

Tgt Ion: 64 Resp: 71681

Ion Ratio Lower Upper

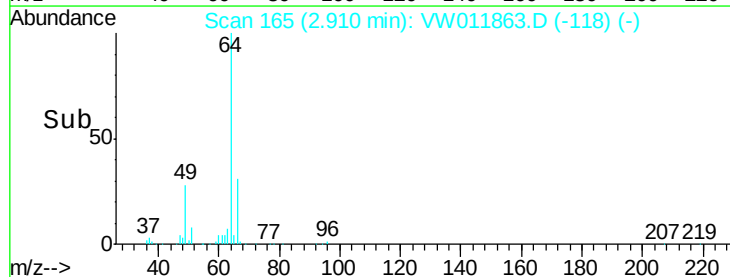
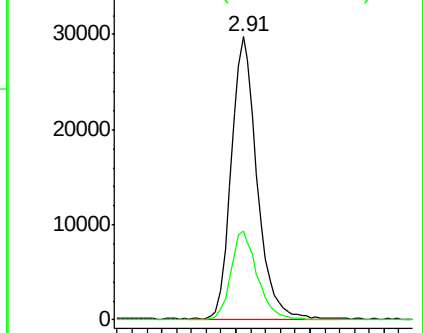
64 100

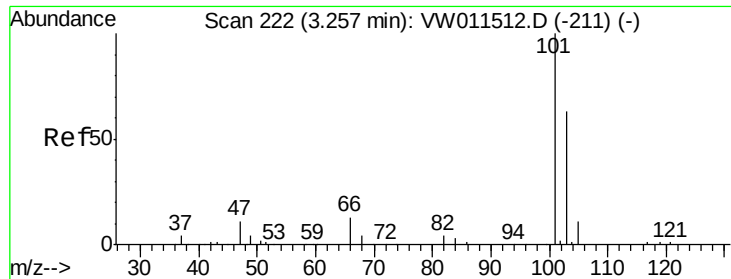
66 31.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

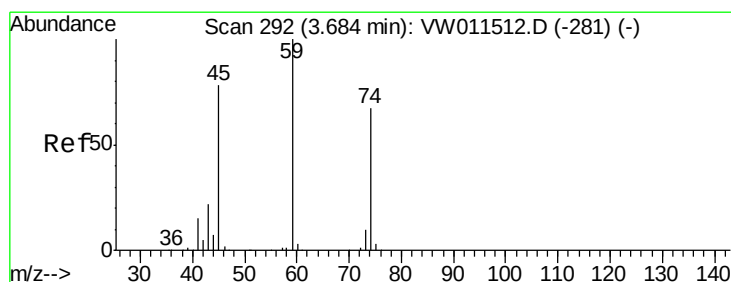
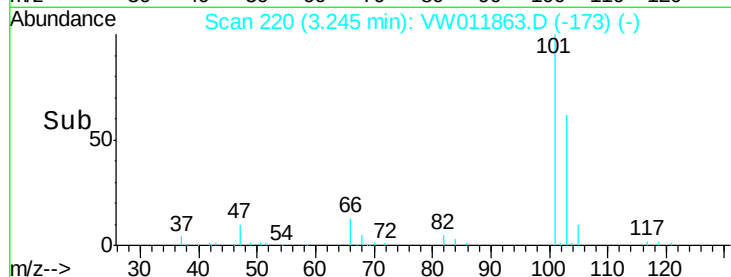
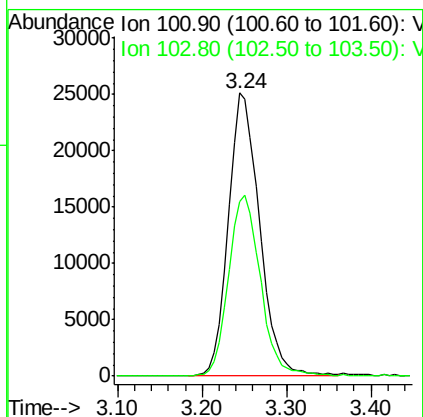
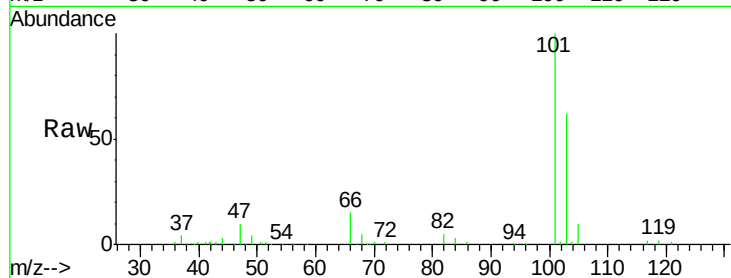
Trichlorofluoromethane
Concen: 55.927 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	50.2	75.4

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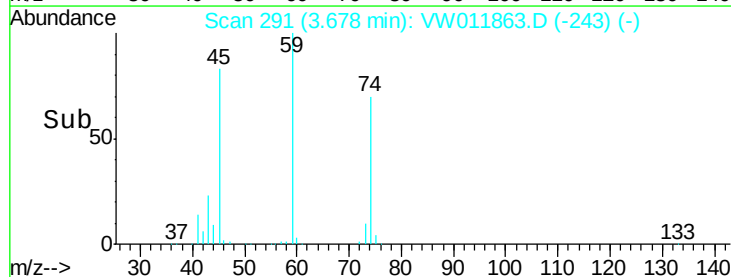
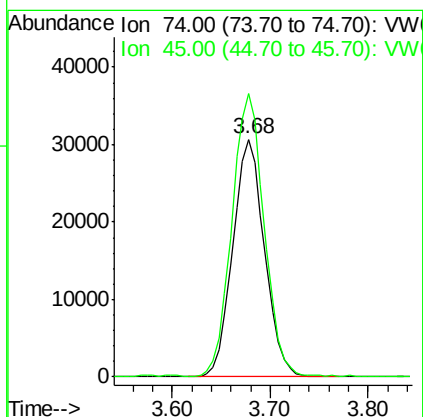
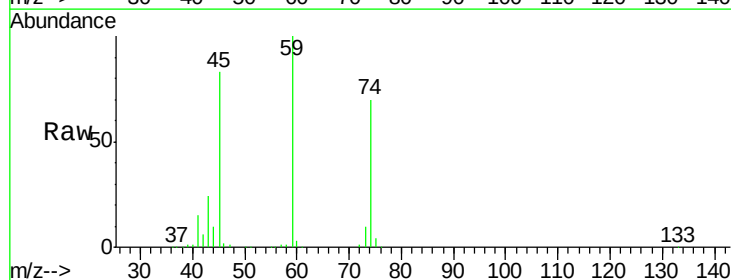
MMDadoda
8/13/2019 2:43:10 PM

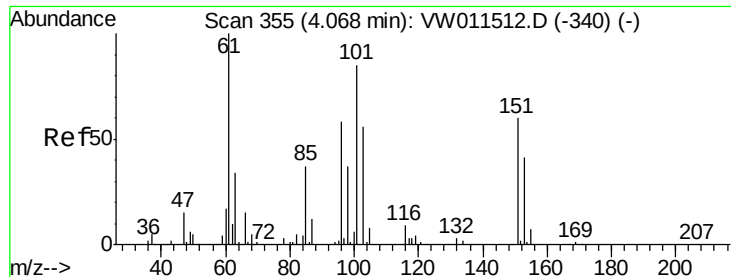


#8

Diethyl Ether
Concen: 53.615 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.5	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.369 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

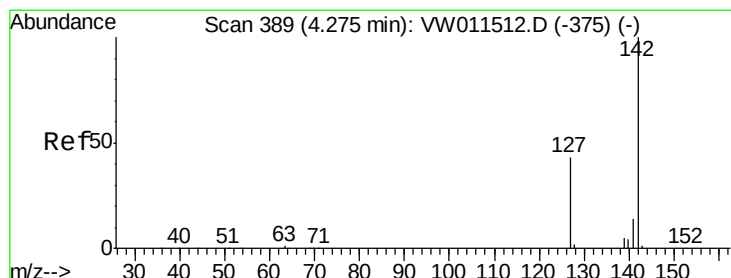
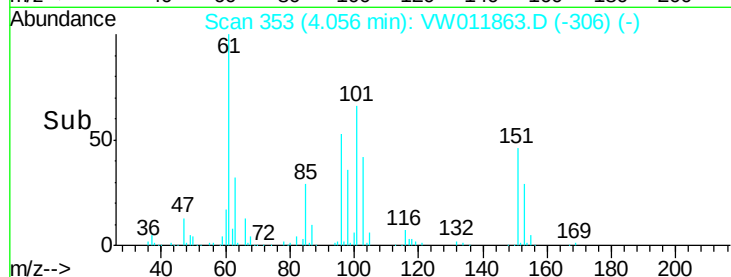
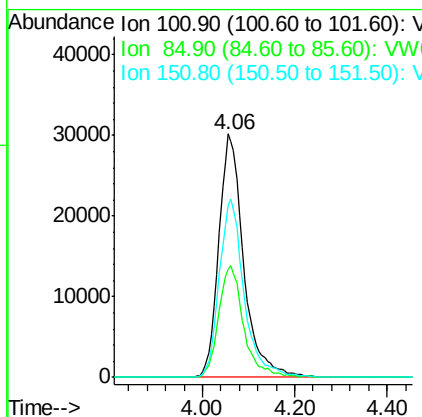
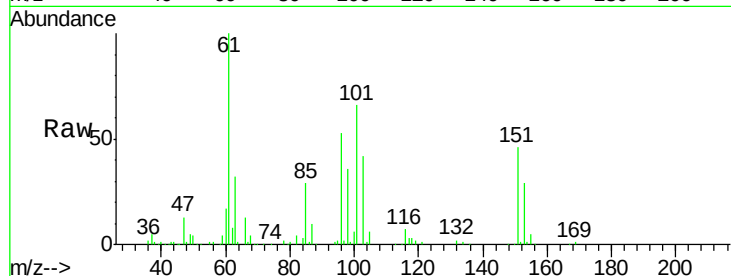
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	112692
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.6	54.8
151	73.3	60.2	90.2

Manual Integrations
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MMDadoda
8/13/2019 2:43:10 PM



#10

Methyl Iodide

Concen: 53.912 ug/l

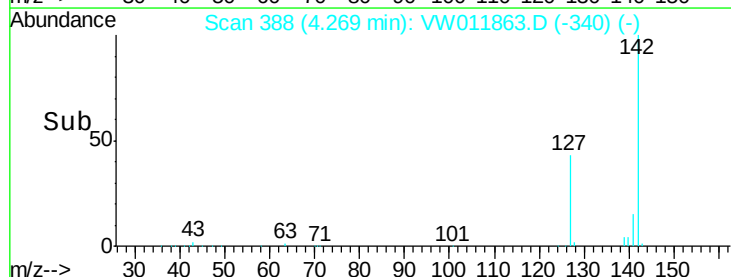
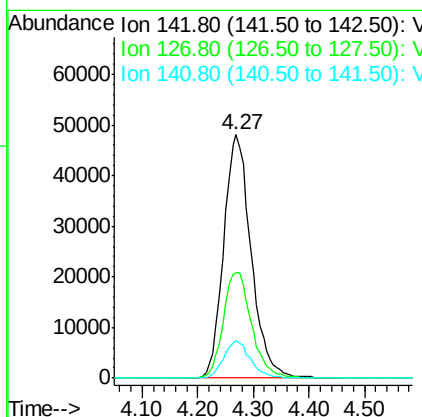
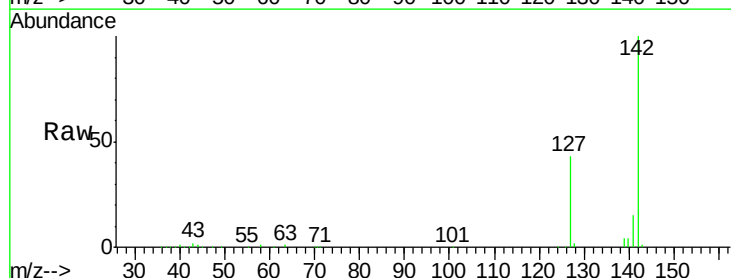
RT: 4.27 min Scan# 388

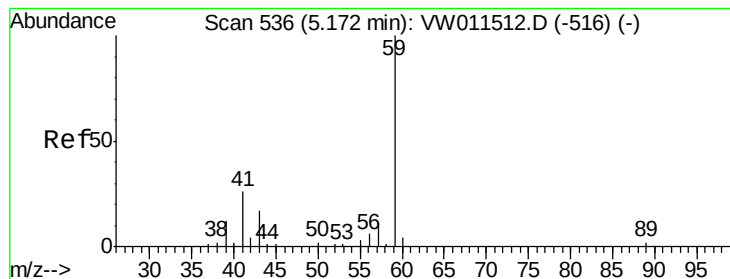
Delta R.T. -0.01 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Tgt Ion:	142	Resp:	163948
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.0	52.6
141	14.9	11.9	17.9





#11

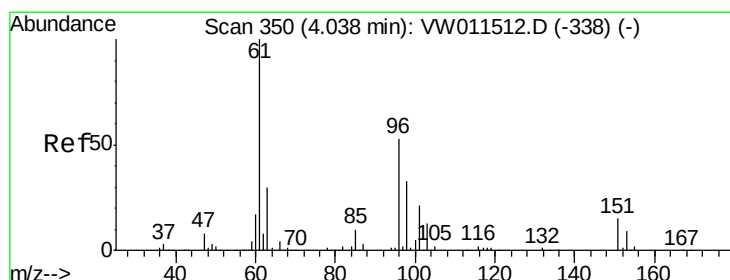
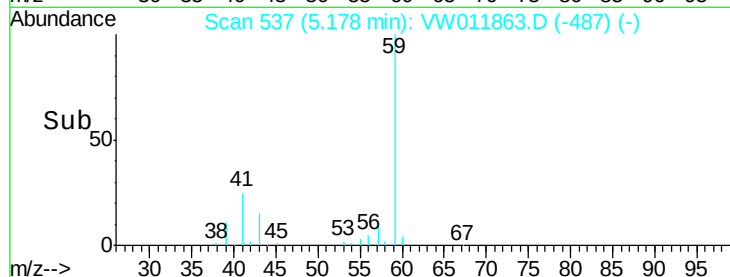
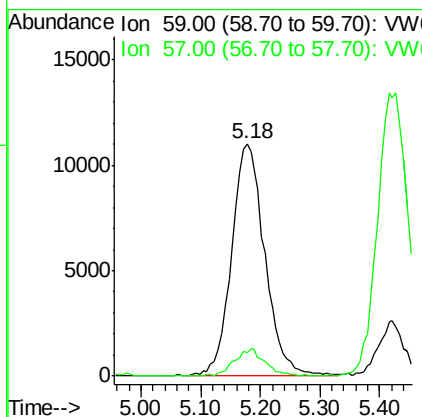
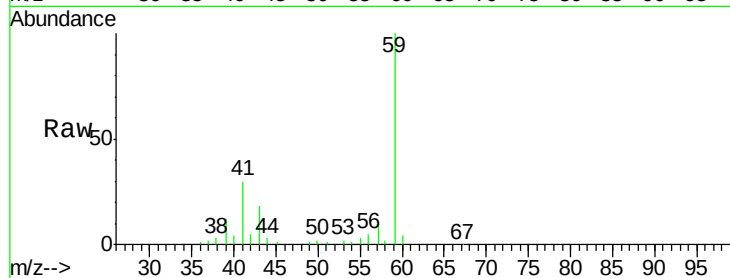
Tert butyl alcohol
 Concen: 230.131 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.5	12.7

Manual Integrations
 APPROVED

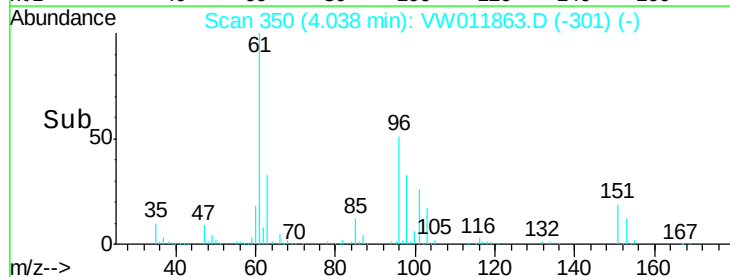
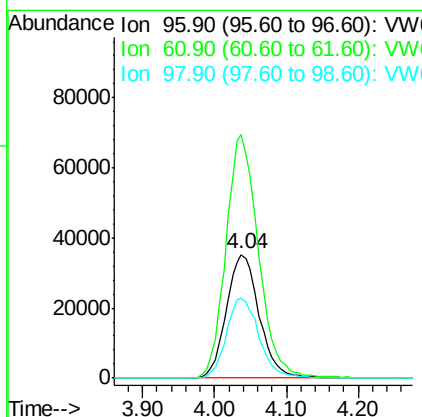
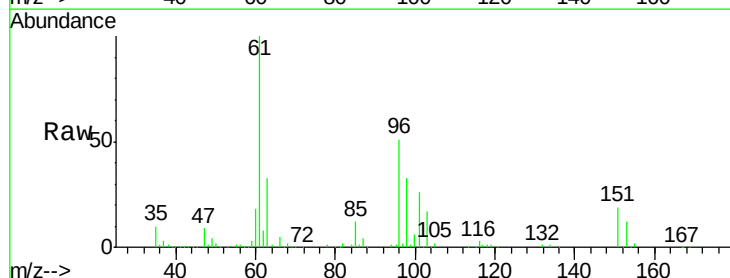
MMDadoda
 8/13/2019 2:43:10 PM

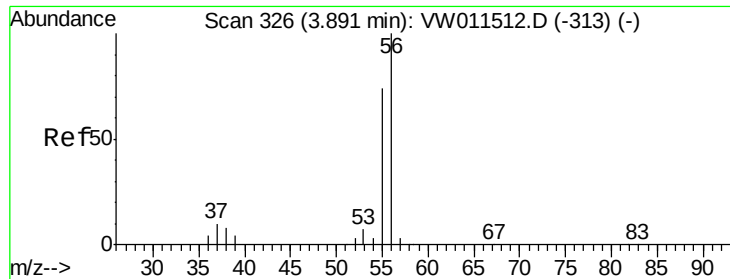


#12

1,1-Dichloroethene
 Concen: 49.366 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.3	149.9	224.9
98	63.9	49.1	73.7





#13

Acrolein

Concen: 176.545 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 31734

Ion Ratio Lower Upper

56 100

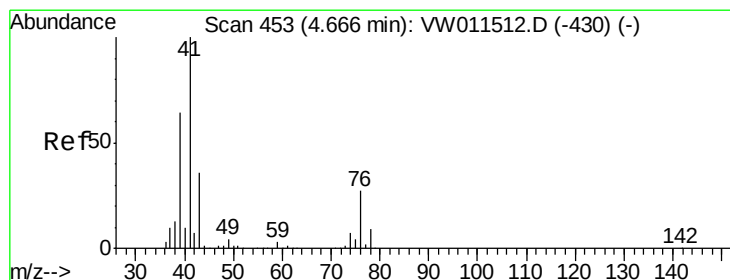
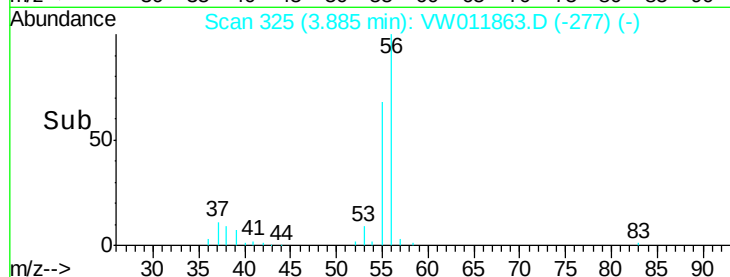
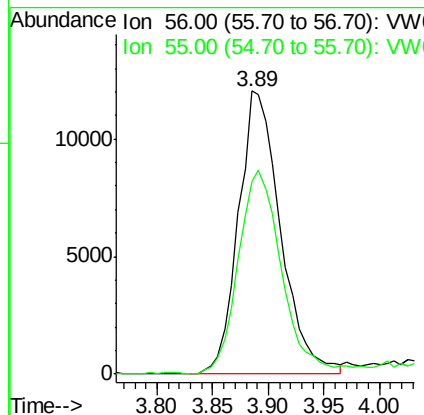
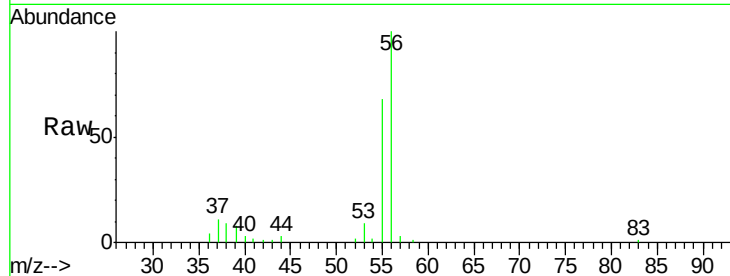
55 73.7 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 54.315 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

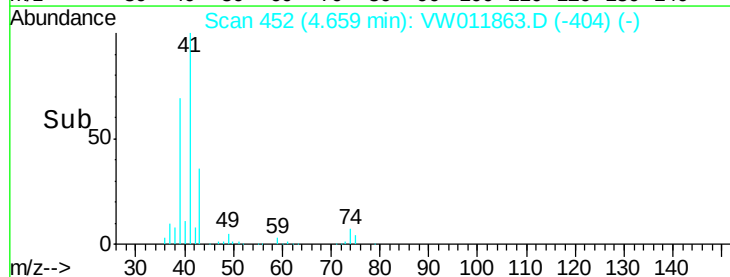
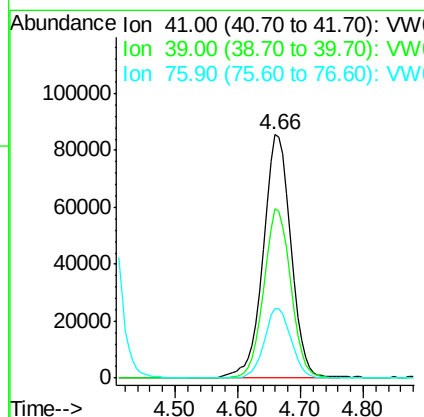
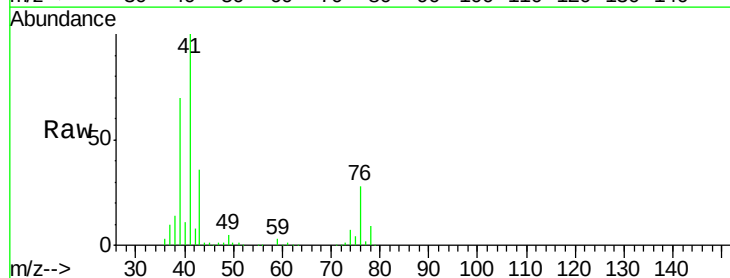
Tgt Ion: 41 Resp: 262478

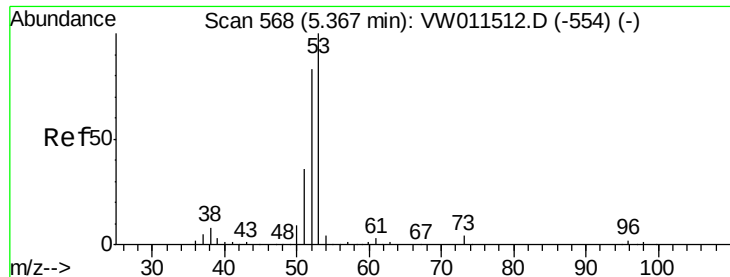
Ion Ratio Lower Upper

41 100

39 67.6 52.6 78.8

76 27.6 22.0 33.0





#15

Acrylonitrile

Concen: 268.748 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

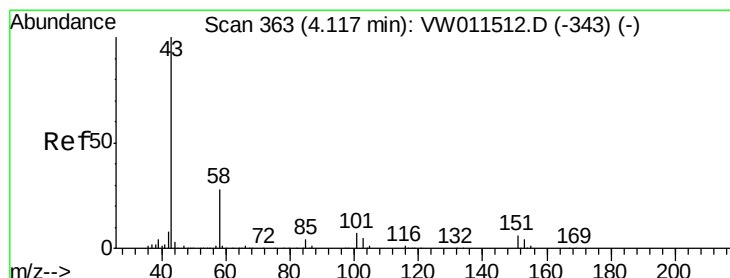
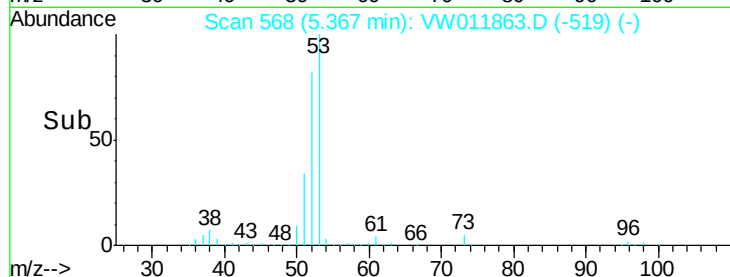
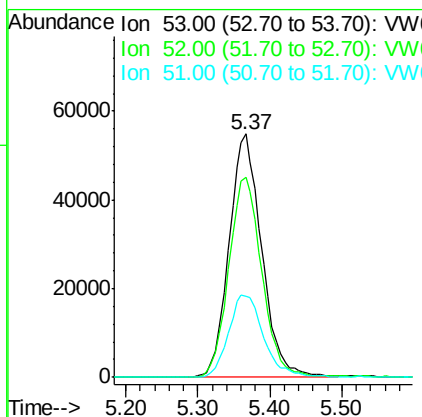
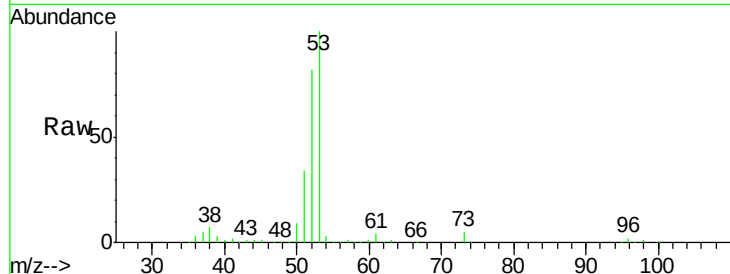
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	172549
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.2	100.8
51	36.7	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 196.798 ug/l

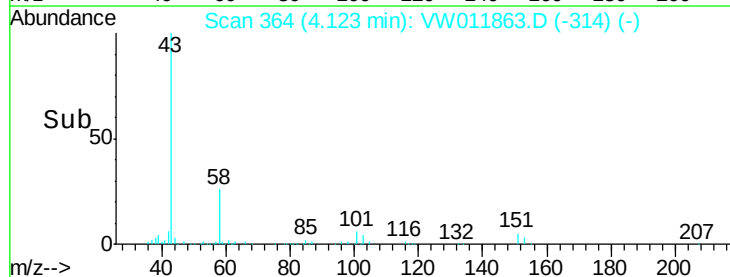
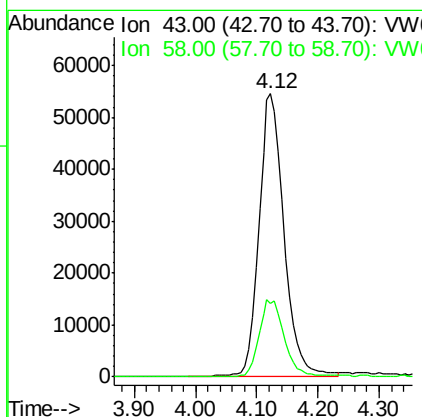
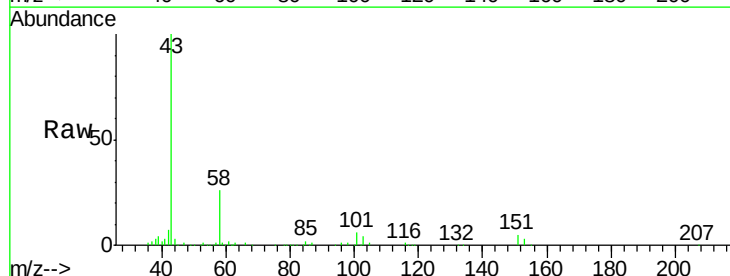
RT: 4.12 min Scan# 364

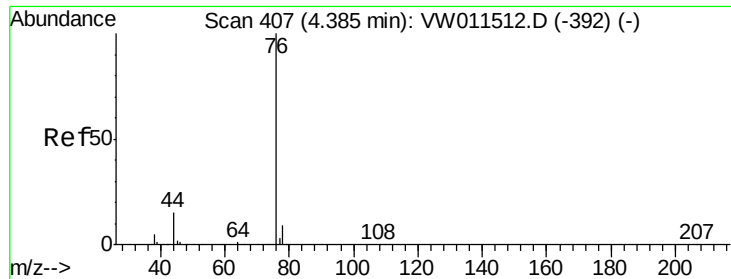
Delta R.T. 0.01 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Tgt Ion:	43	Resp:	156823
Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.3	33.5





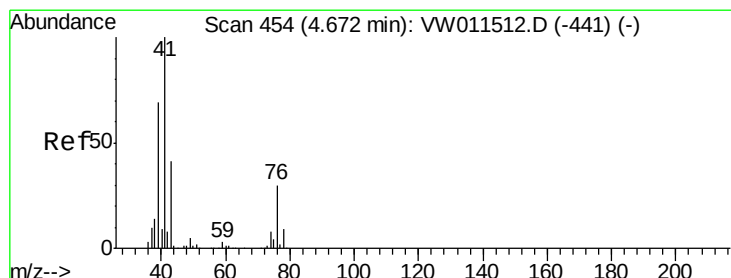
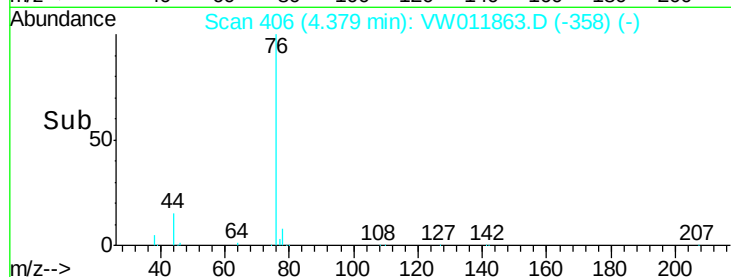
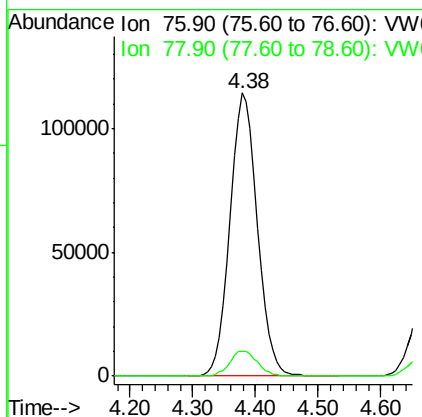
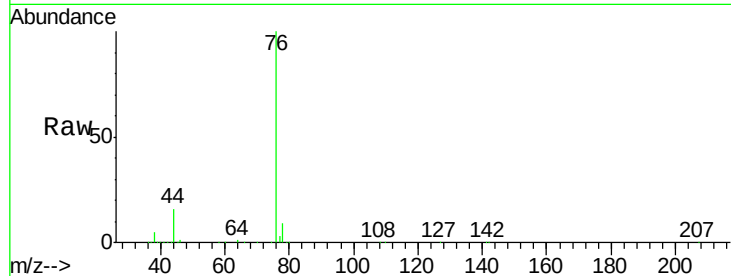
#17
Carbon Disulfide
Concen: 48.640 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

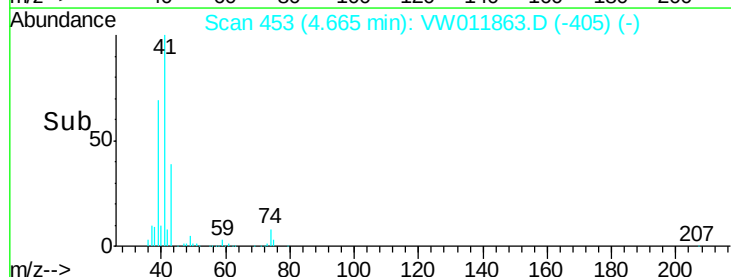
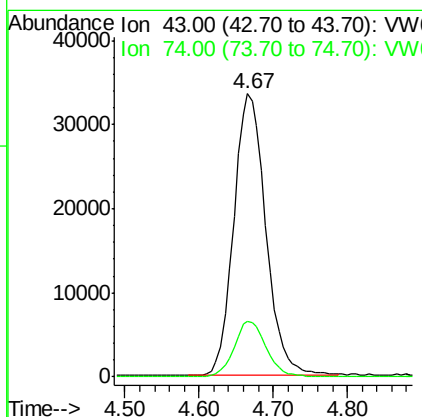
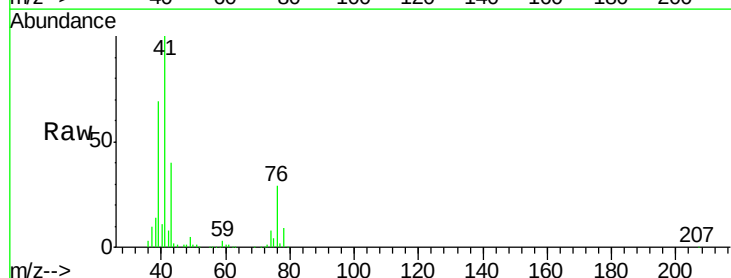
Manual Integrations
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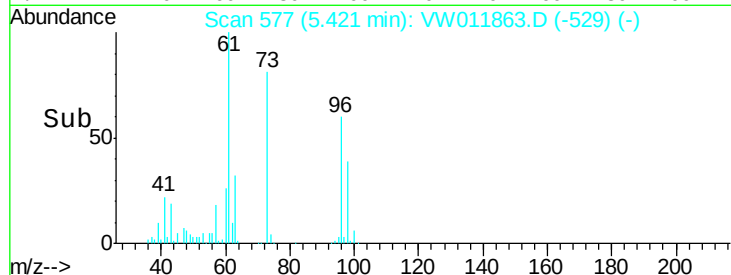
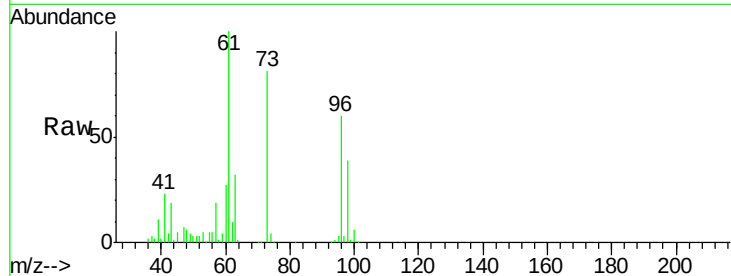
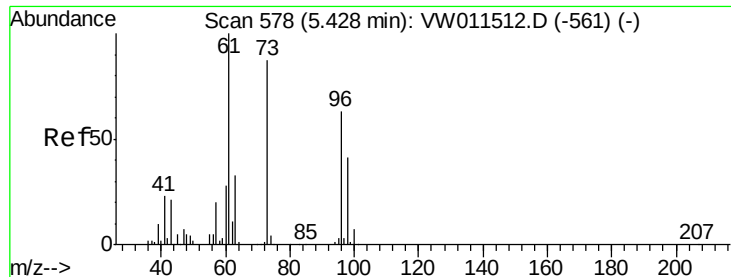
MMDadoda
8/13/2019 2:43:10 PM



#18
Methyl Acetate
Concen: 56.724 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	15.9	23.9





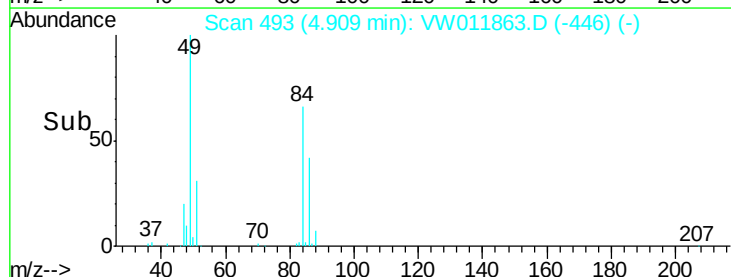
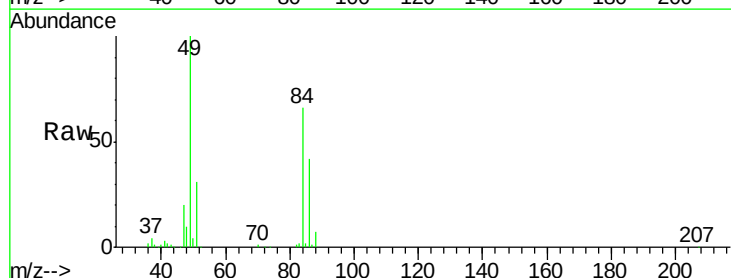
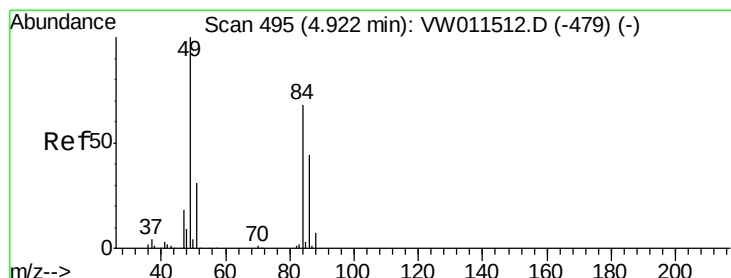
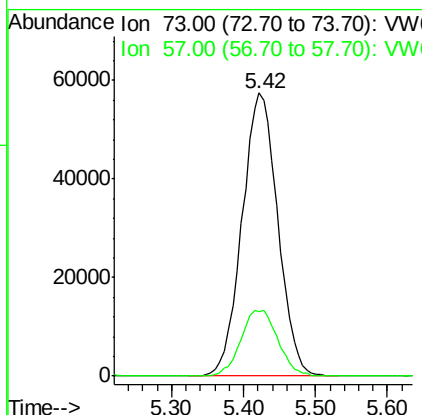
#19
Methyl tert-butyl Ether
Concen: 54.888 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.4	27.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

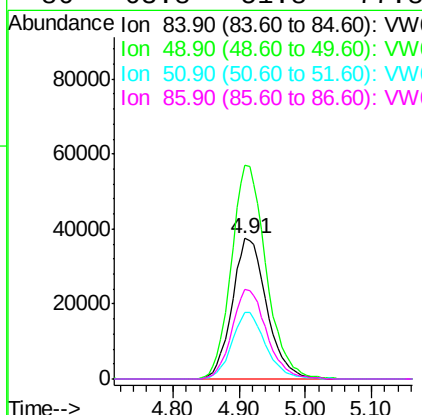
Manual Integrations
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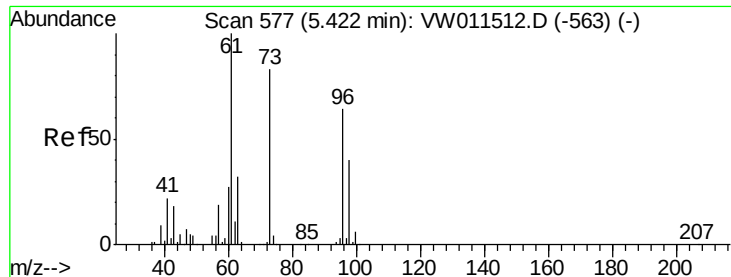
MMDadoda
8/13/2019 2:43:10 PM



#20
Methylene Chloride
Concen: 49.582 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.0	117.8	176.6
51	47.1	37.0	55.4
86	63.8	51.8	77.8





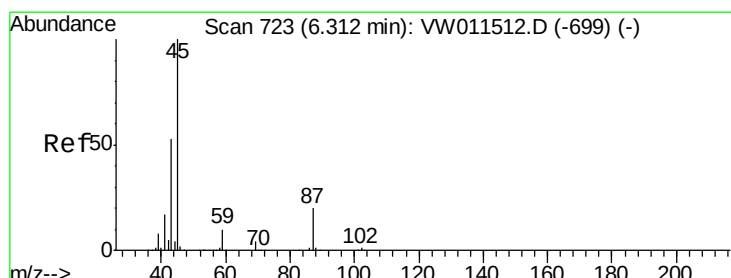
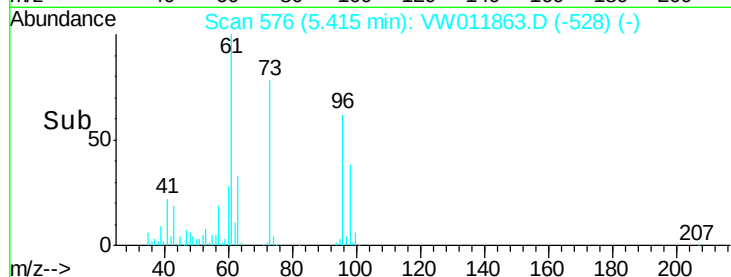
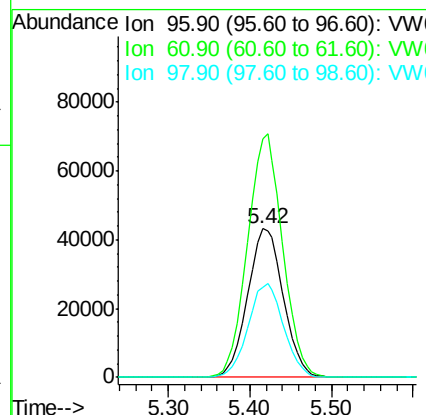
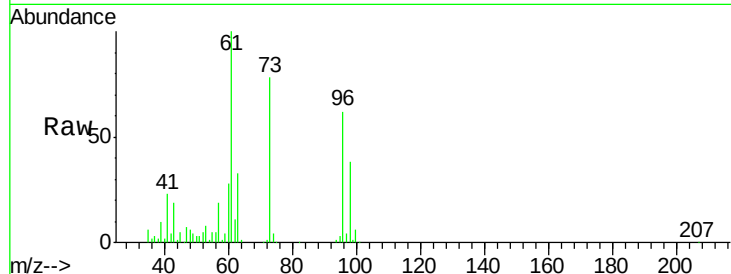
#21
trans-1,2-Dichloroethene
Concen: 53.739 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.6	125.7	188.5
98	60.7	50.3	75.5

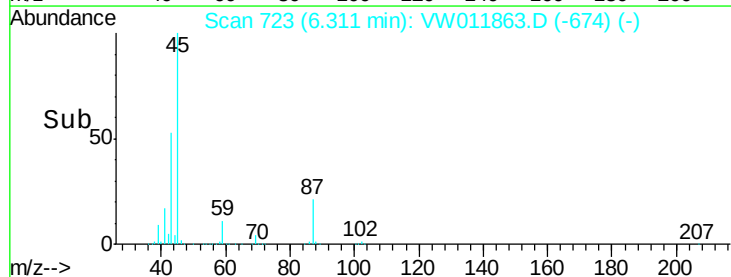
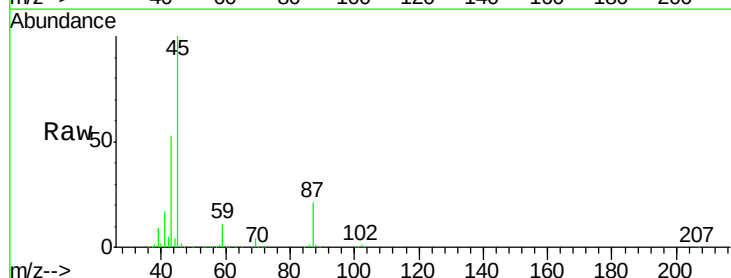
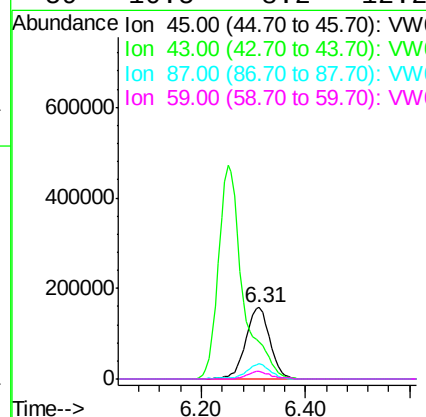
Manual Integrations
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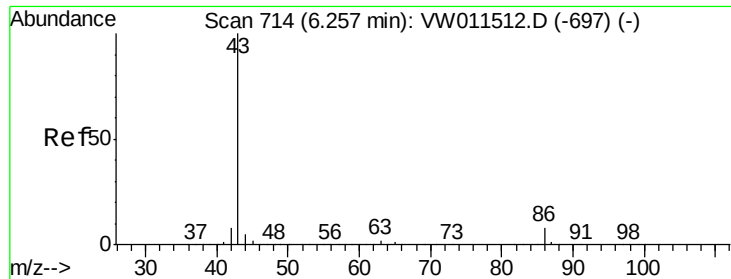
MMDadoda
8/13/2019 2:43:10 PM



#22
Diisopropyl ether
Concen: 55.515 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.5	42.6	63.8
87	20.7	16.4	24.6
59	10.5	8.2	12.2





#23

Vinyl Acetate

Concen: 269.433 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 1542490

Ion Ratio Lower Upper

43 100

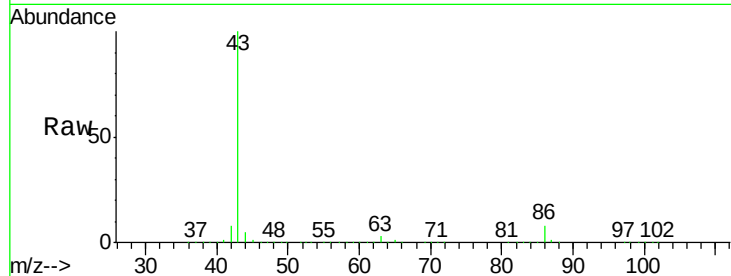
86 8.0 6.5 9.7

Manual Integrations

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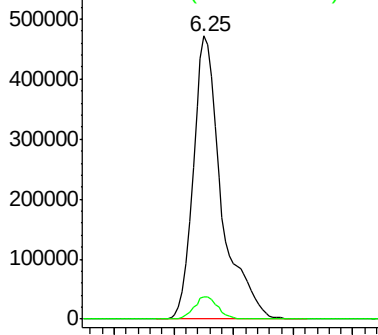
MMDadoda

8/13/2019 2:43:10 PM

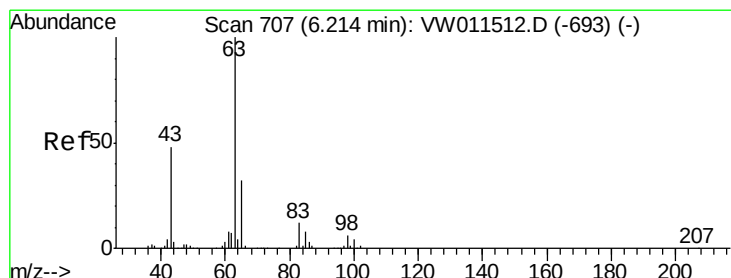
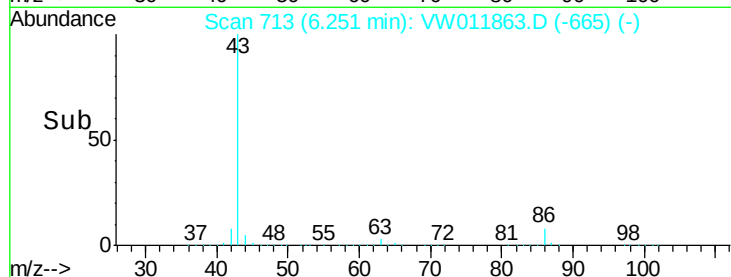


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 55.218 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

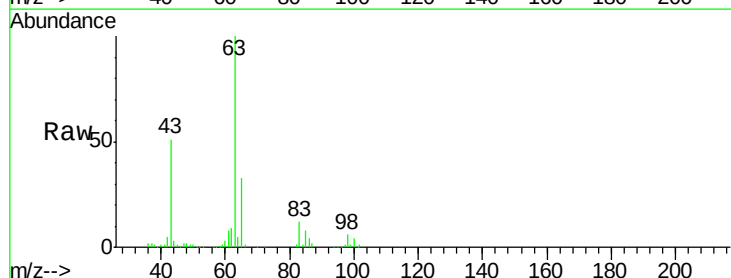
Tgt Ion: 63 Resp: 269440

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

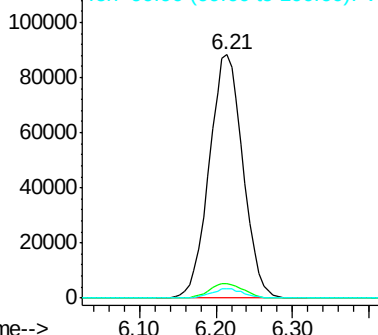
100 3.9 2.1 6.3



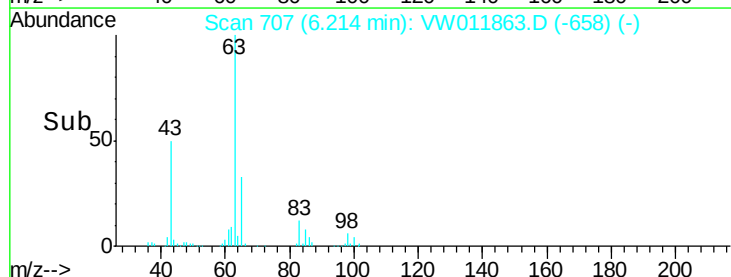
Abundance Ion 62.90 (62.60 to 63.60): VW

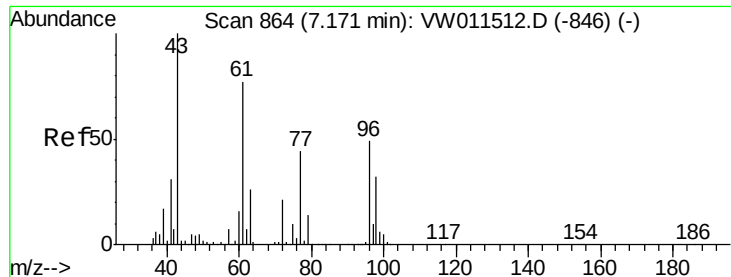
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 231.009 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 240880

Ion Ratio Lower Upper

43 100

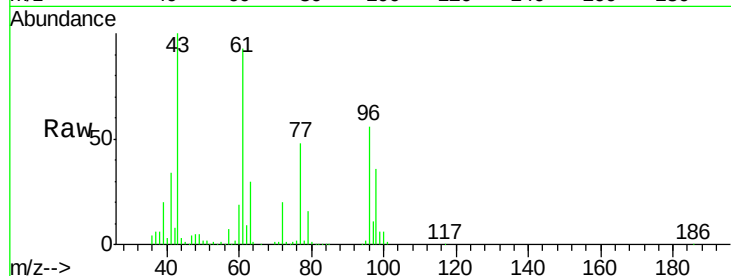
72 20.4 16.6 24.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

100000

80000

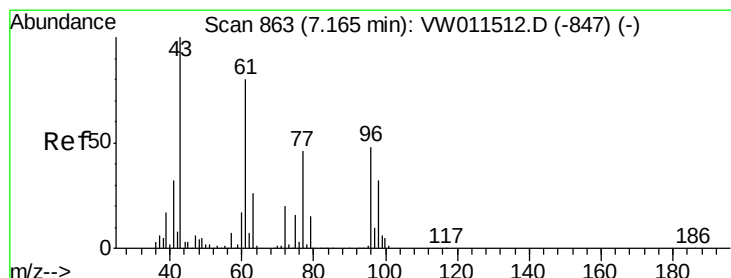
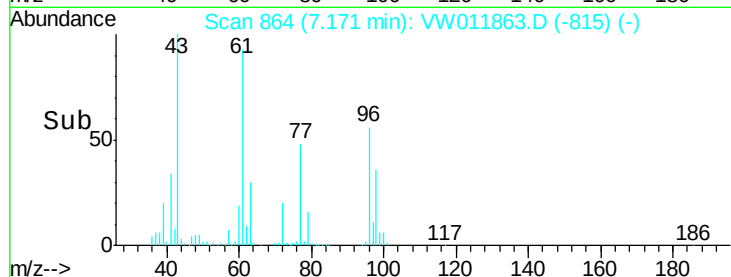
60000

40000

20000

0

Time--> 7.05 7.10 7.15 7.20 7.25



#26

2,2-Dichloropropane

Concen: 46.076 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011863.D

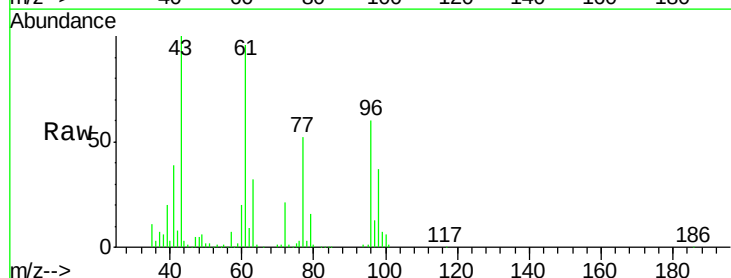
Acq: 12 Aug 2019 19:59

Tgt Ion: 77 Resp: 138269

Ion Ratio Lower Upper

77 100

97 22.8 10.8 32.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.17

50000

40000

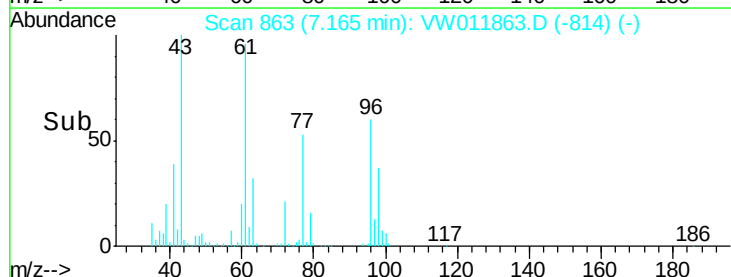
30000

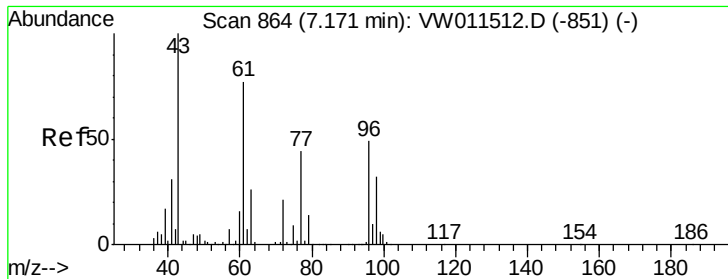
20000

10000

0

Time--> 7.00 7.10 7.20 7.30





#27

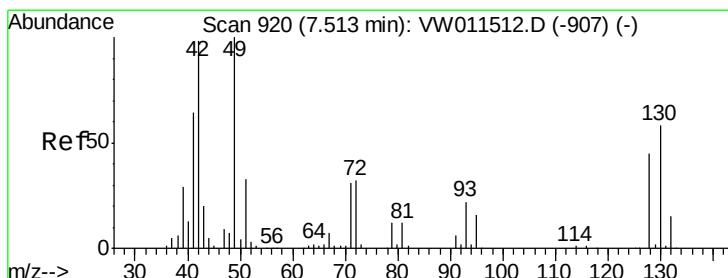
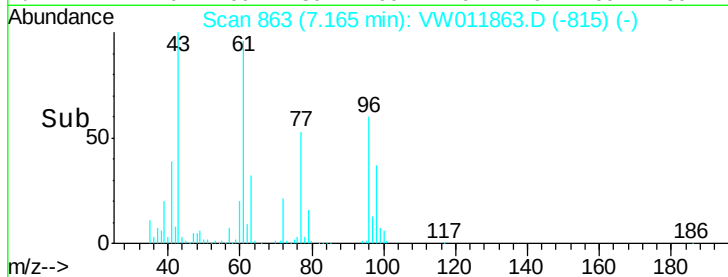
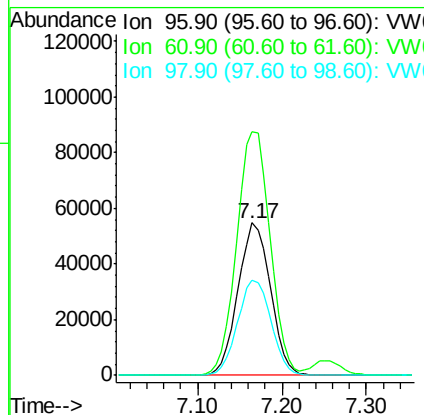
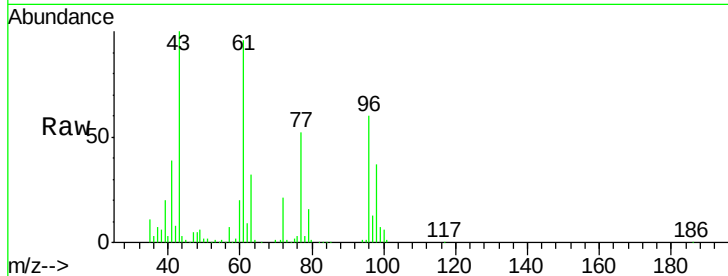
cis-1,2-Dichloroethene
Concen: 52.977 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	164.2	0.0	328.4	
98	64.5	0.0	128.8	

Manual Integrations
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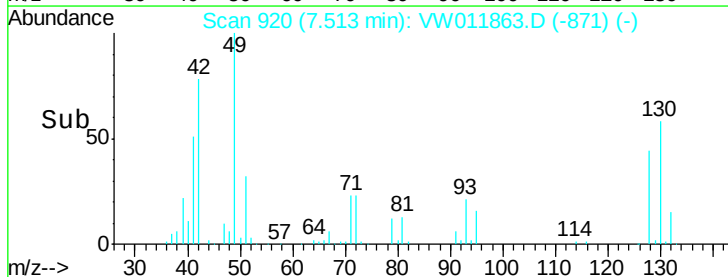
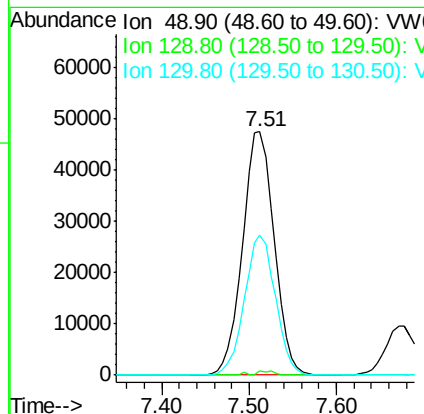
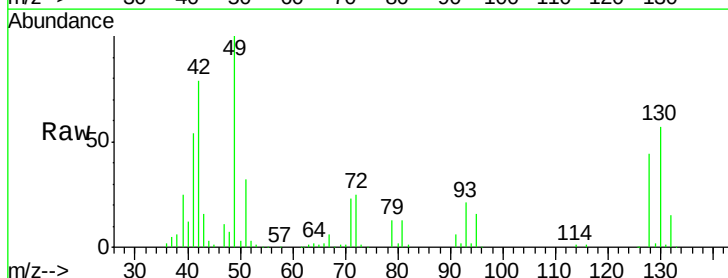
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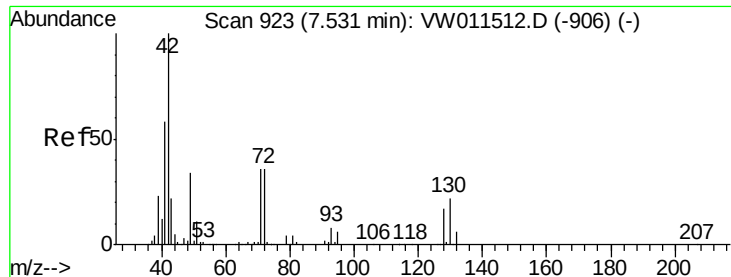


#28

Bromochloromethane
Concen: 55.281 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	1.0	
130	56.1	46.3	69.5	





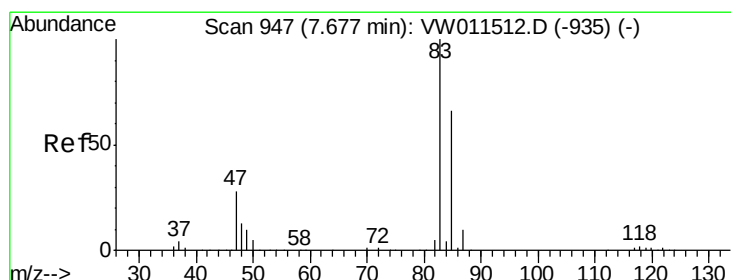
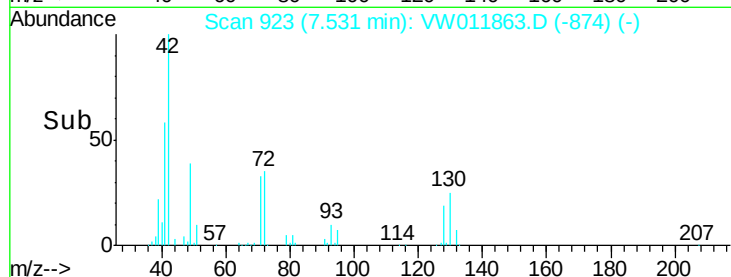
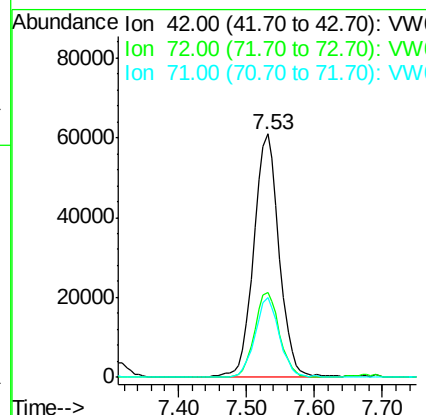
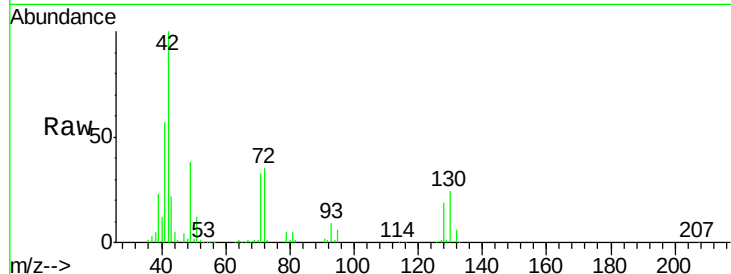
#29
Tetrahydrofuran
Concen: 265.473 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.1	40.7
71	31.7	26.2	39.4

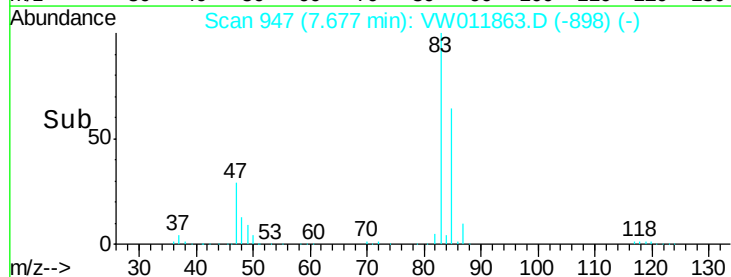
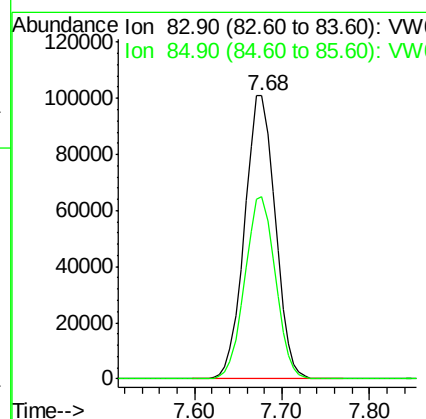
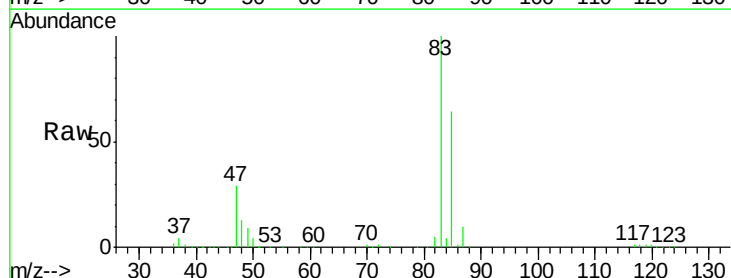
Manual Integrations
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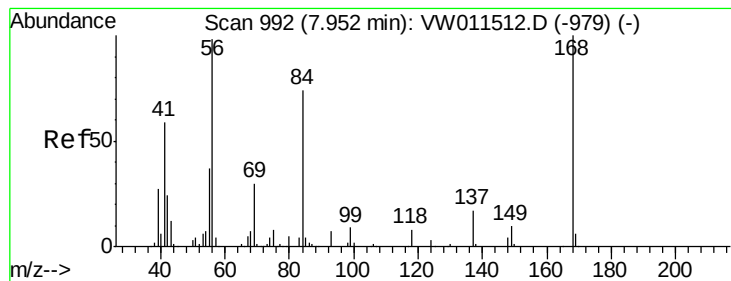
MMDadoda
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#30
Chloroform
Concen: 54.771 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.5	78.7





#31

Cyclohexane

Concen: 49.965 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

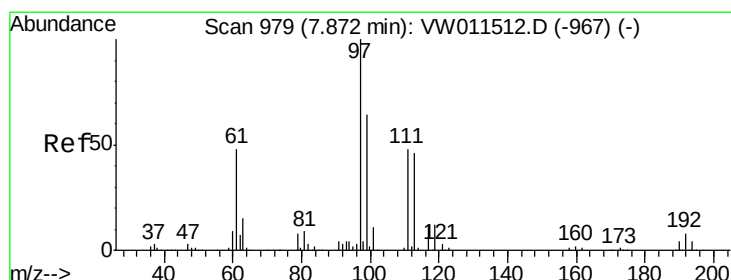
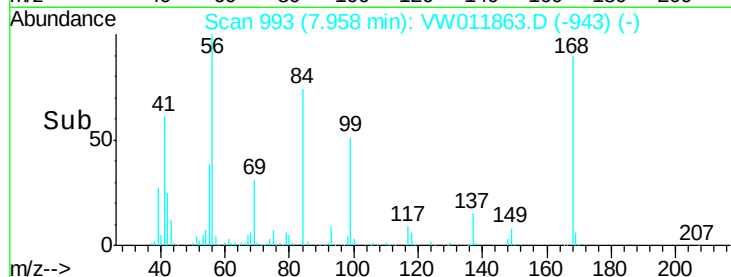
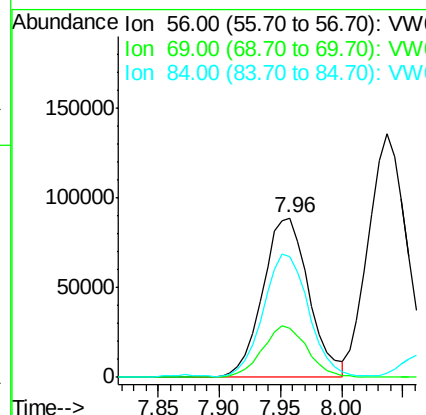
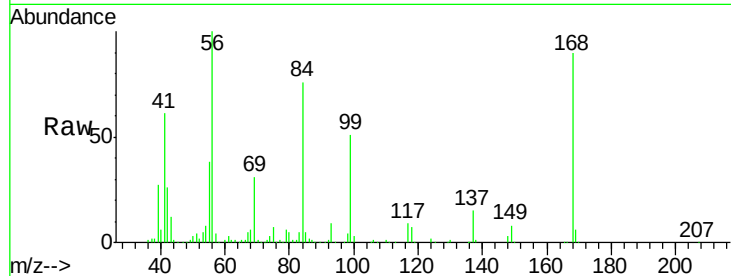
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	234033
Ion Ratio		Lower	Upper
56	100		
69	30.7	24.3	36.5
84	74.7	60.4	90.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 55.656 ug/l

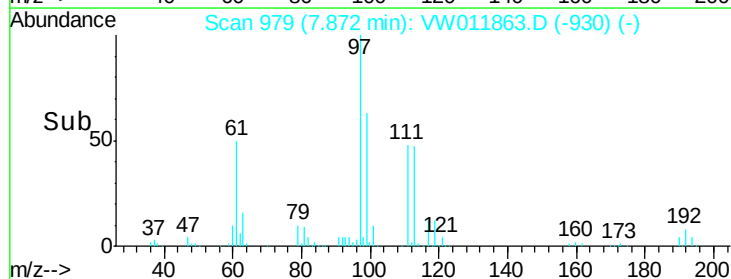
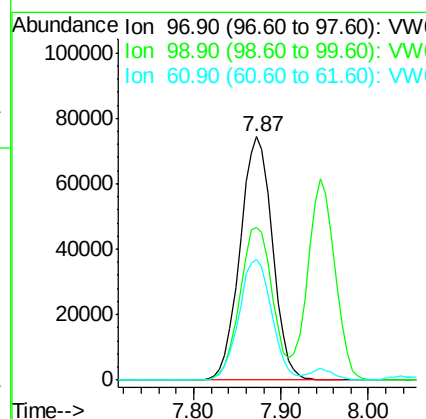
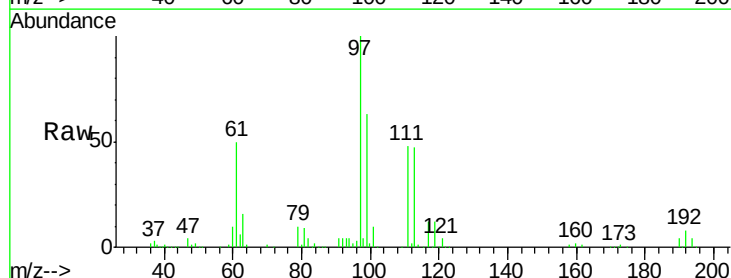
RT: 7.87 min Scan# 979

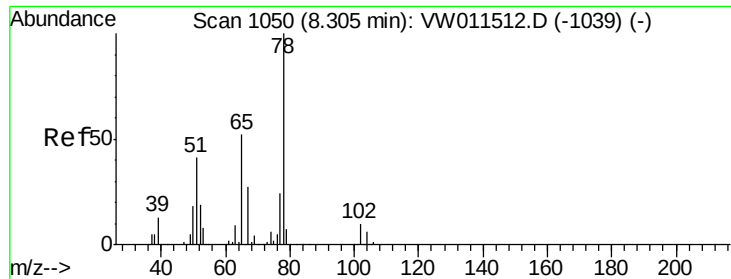
Delta R.T. -0.00 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Tgt Ion:	97	Resp:	190811
Ion Ratio		Lower	Upper
97	100		
99	63.4	51.0	76.6
61	50.3	39.8	59.6





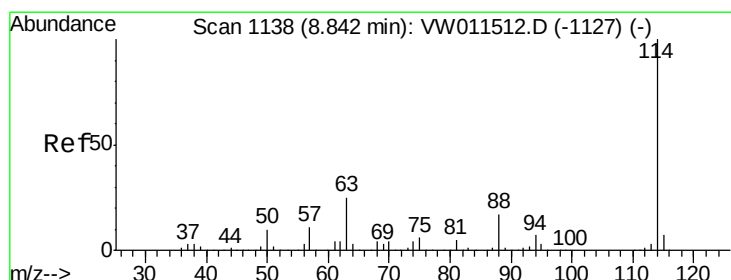
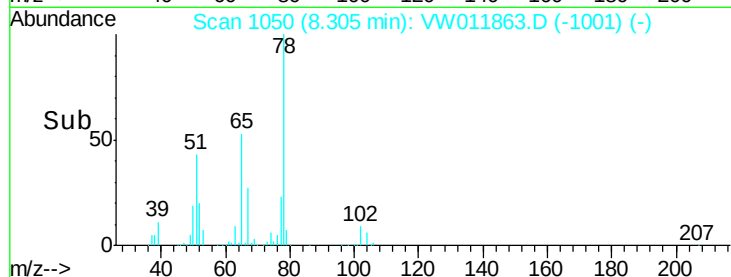
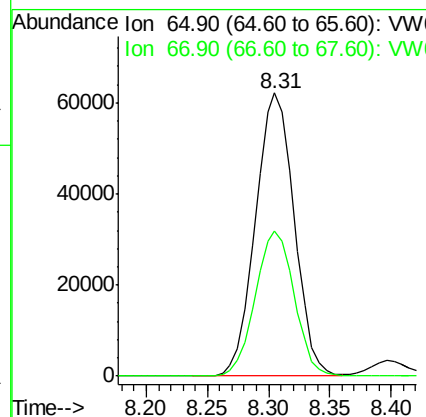
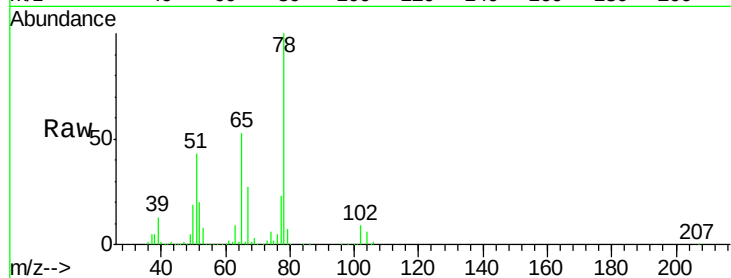
#33
 1,2-Dichloroethane-d4
 Concen: 54.733 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	137113		
67	51.6	0.0	105.2	

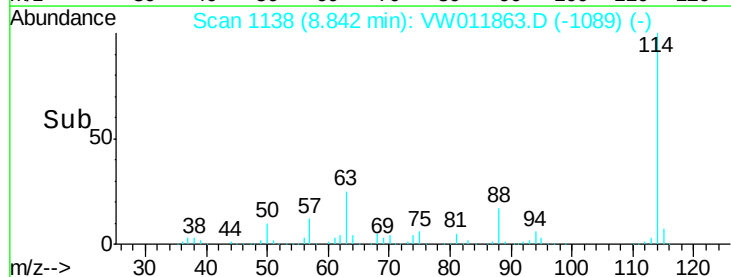
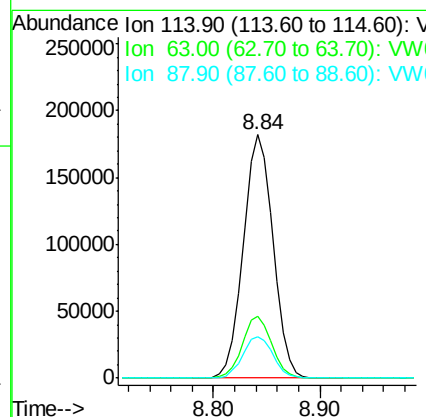
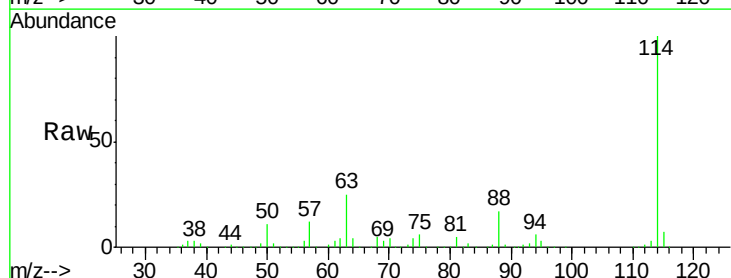
Manual Integrations
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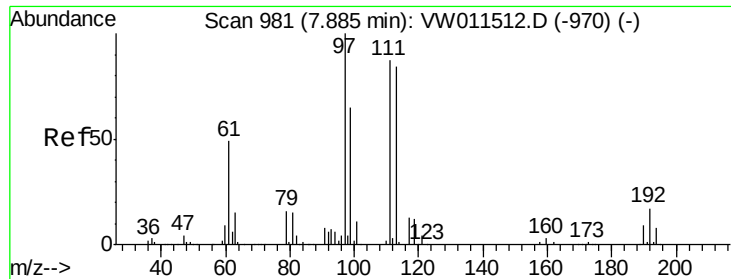
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	357979		
63	25.4	0.0	49.2	
88	17.0	0.0	33.8	





#35

Dibromofluoromethane

Concen: 54.517 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

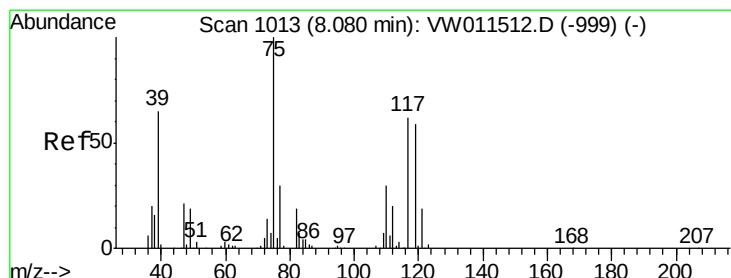
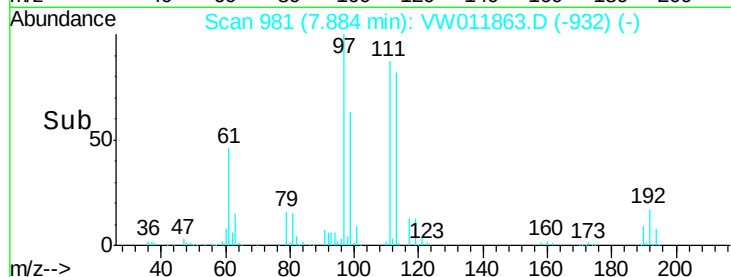
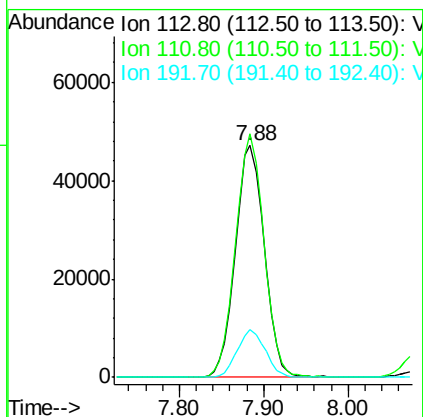
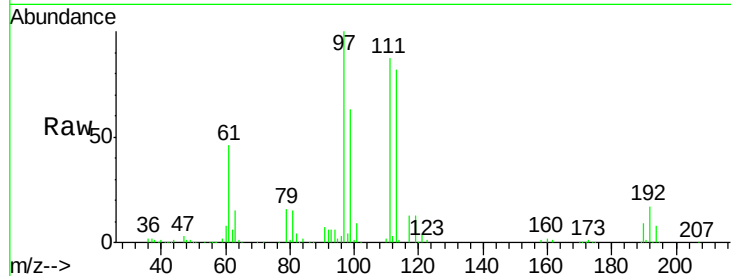
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	109487
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.7	124.1
192	19.9	16.1	24.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.169 ug/l

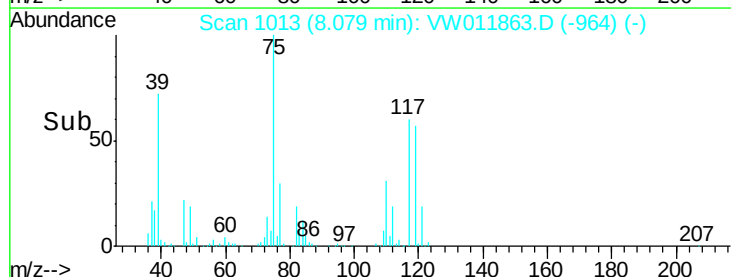
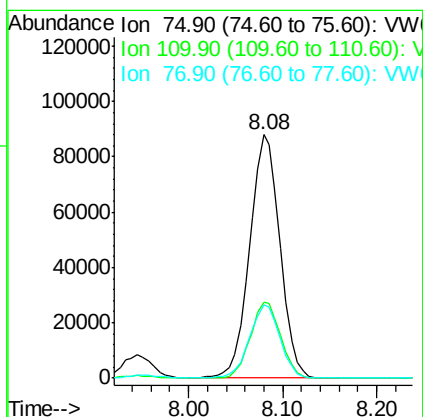
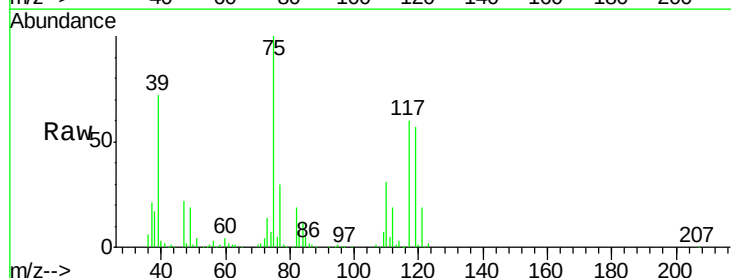
RT: 8.08 min Scan# 1013

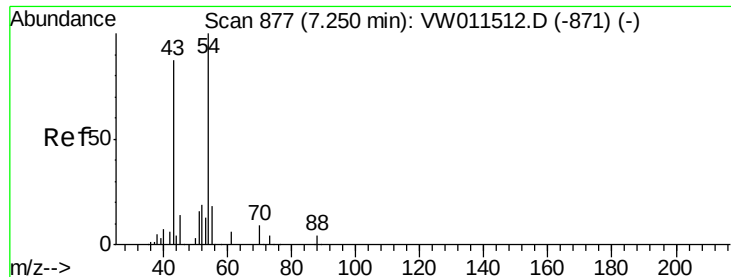
Delta R.T. -0.00 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Tgt Ion:	75	Resp:	197913
Ion Ratio	Lower	Upper	
75	100		
110	31.4	15.6	46.8
77	30.7	24.3	36.5





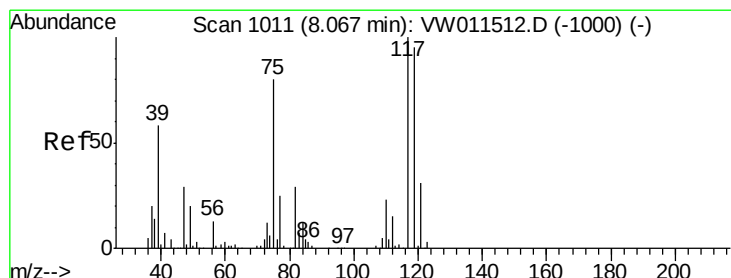
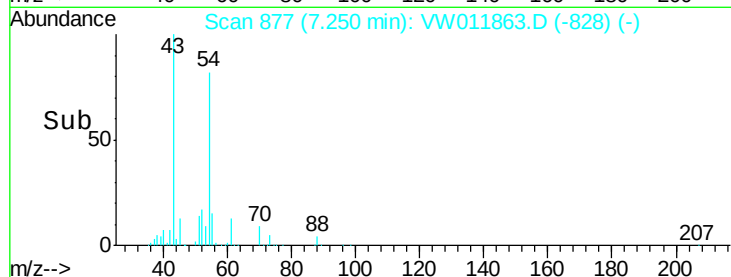
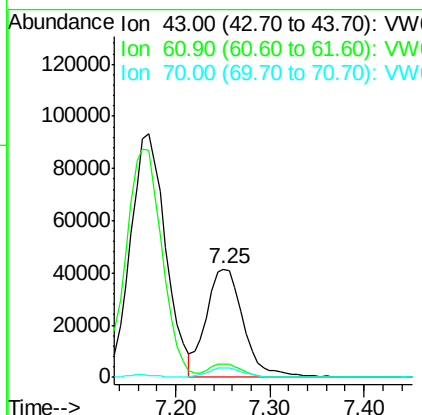
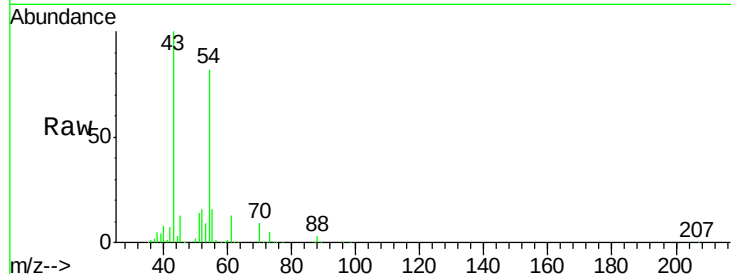
#37
Ethyl Acetate
Concen: 52.450 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	112324
Ion	Ratio	Lower	Upper
43	100		
61	11.8	8.8	13.2
70	8.5	7.1	10.7

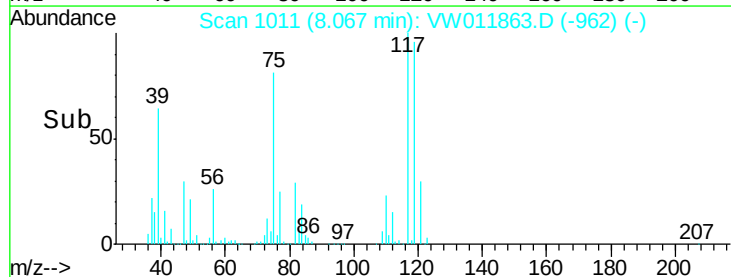
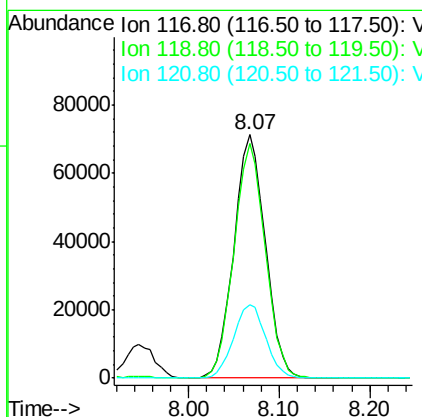
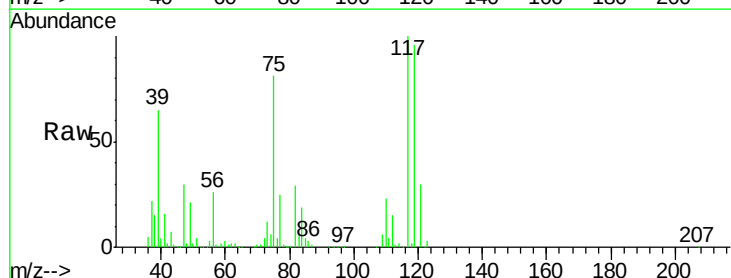
Manual Integrations
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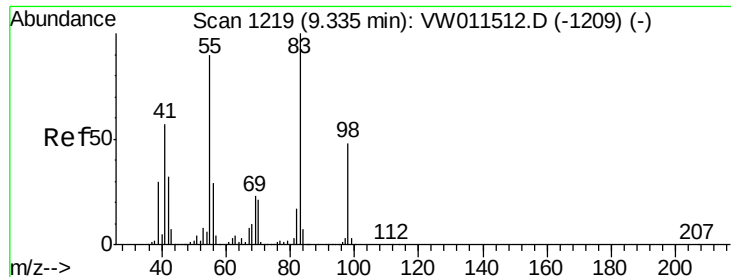
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#38
Carbon Tetrachloride
Concen: 53.865 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	117	Resp	171645
Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.8	113.6
121	30.0	24.7	37.1





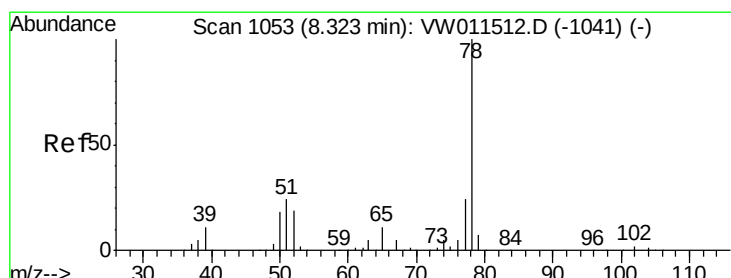
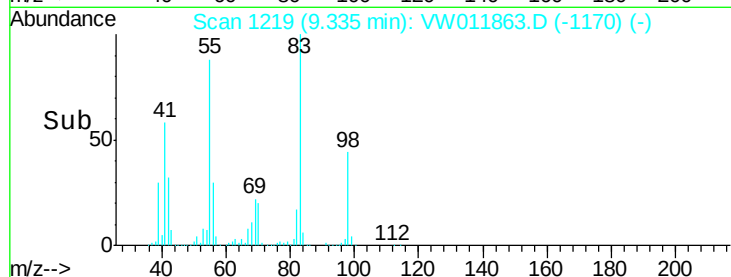
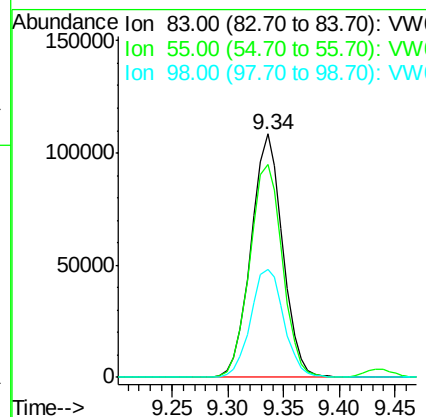
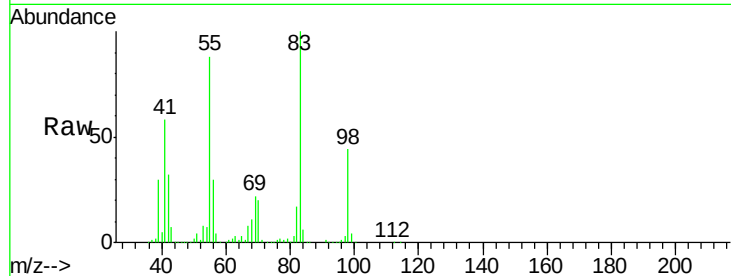
#39
Methylvlcyclohexane
Concen: 52.499 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.6	72.1	108.1
98	44.5	38.6	57.8

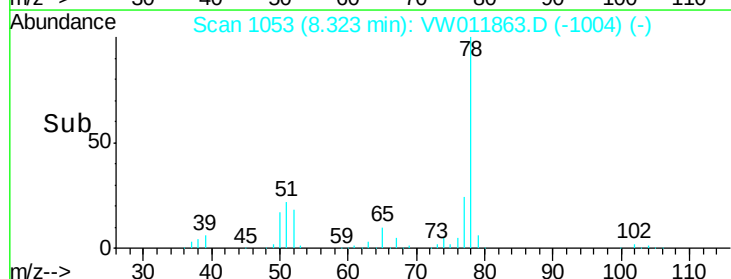
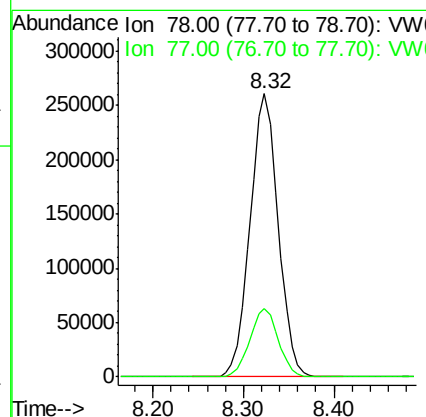
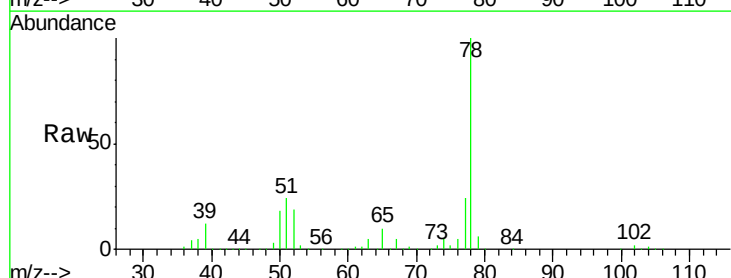
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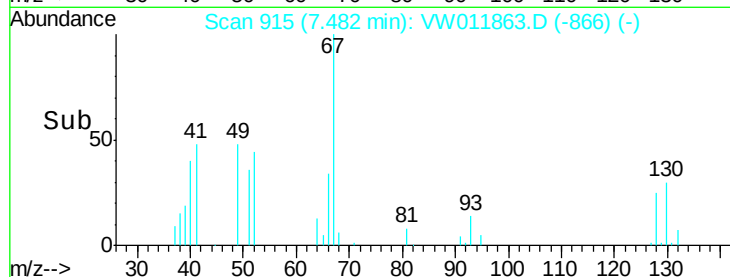
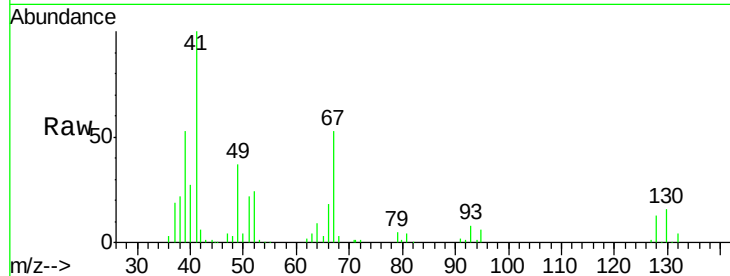
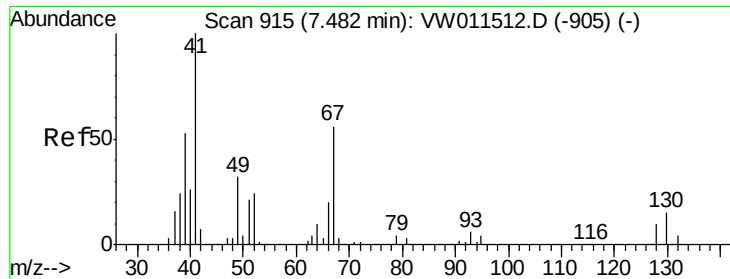
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#40
Benzene
Concen: 53.655 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0





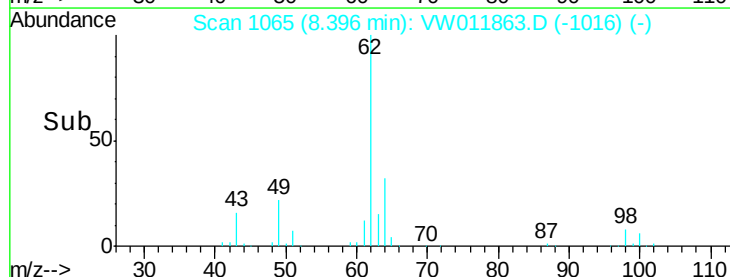
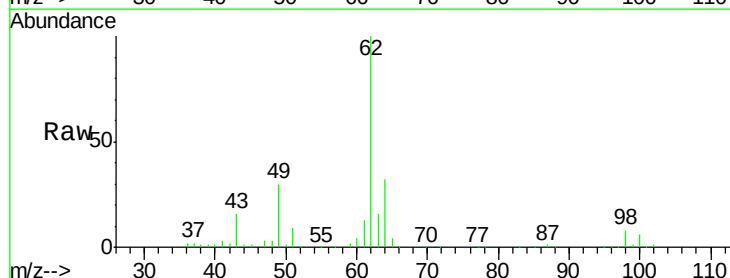
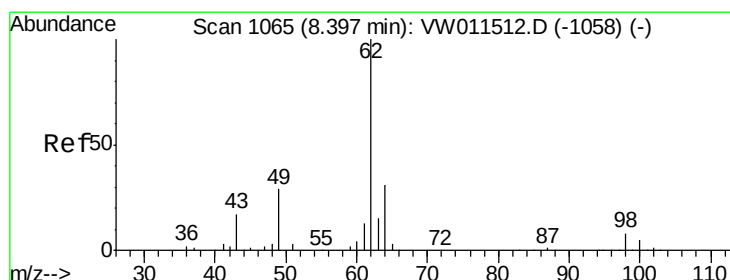
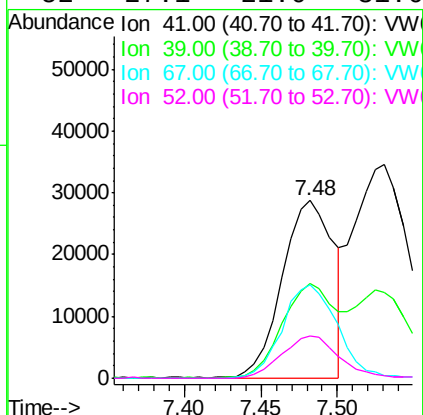
#41
Methacrylonitrile
Concen: 52.327 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tot Ion	41	Resp	66987
Ion	Ratio	Lower	Upper
41	100		
39	53.2	43.0	64.4
67	57.0	47.5	71.3
52	27.1	21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

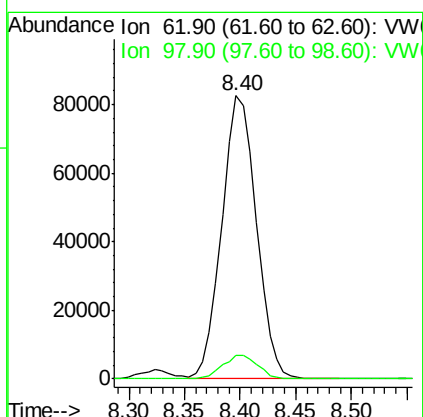
Manual Integrations
APPROVED

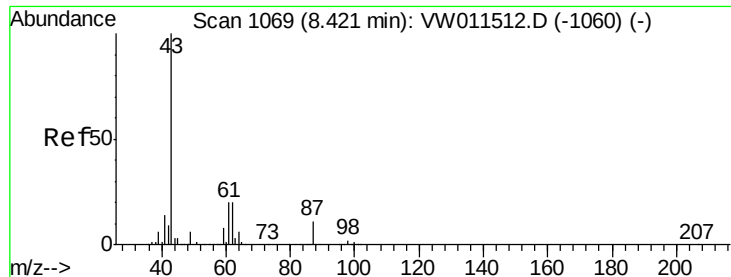
MMDadoda
8/13/2019 2:43:10 PM



#42
1,2-Dichloroethane
Concen: 54.438 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	62	Resp	177706
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 53.464 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

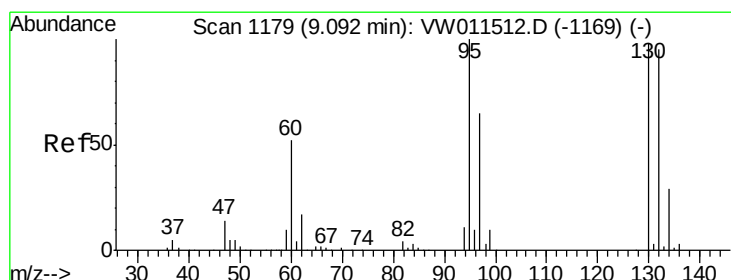
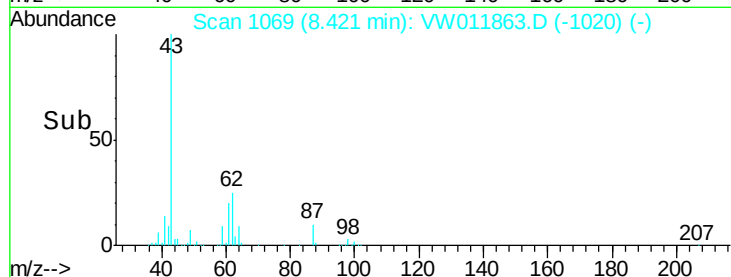
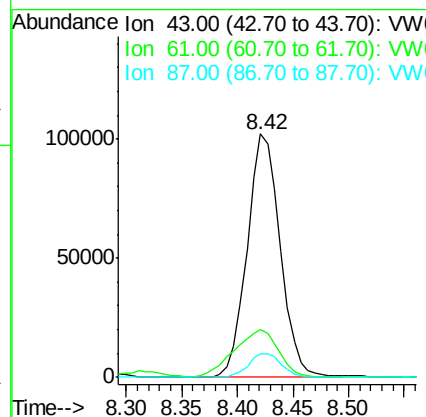
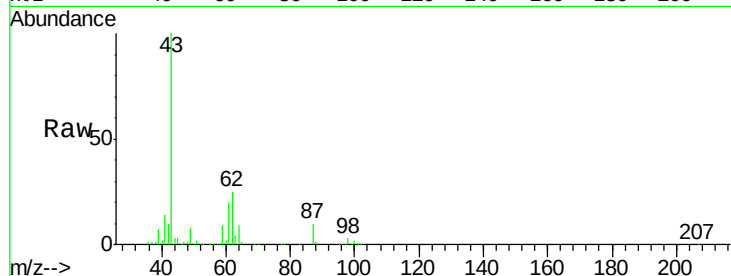
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	210566
Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.5	32.3
87	10.0	8.4	12.6

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#44

Trichloroethene

Concen: 53.152 ug/l

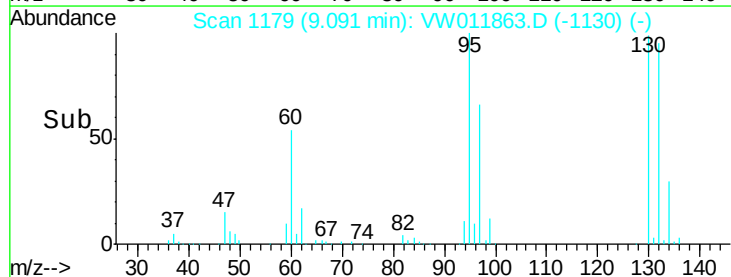
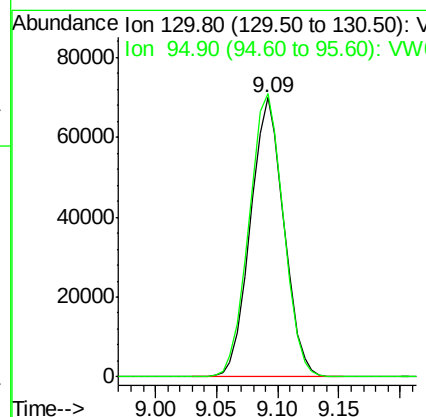
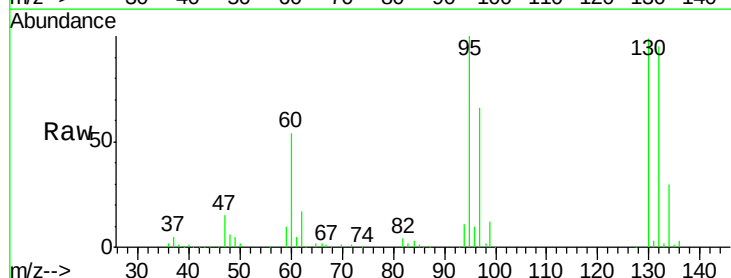
RT: 9.09 min Scan# 1179

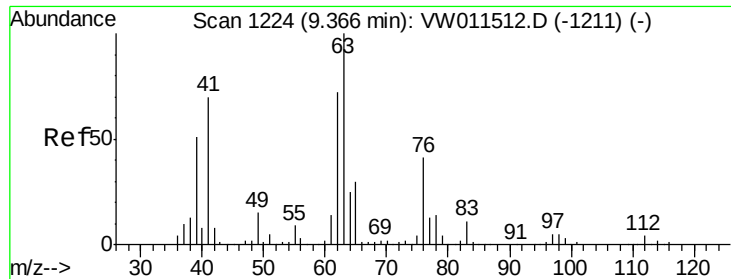
Delta R.T. -0.00 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Tgt Ion:	130	Resp:	133198
Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	204.8





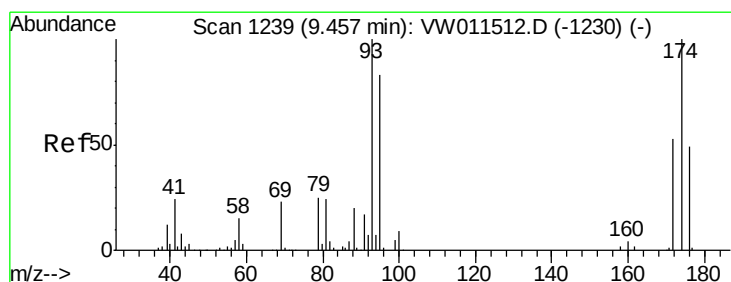
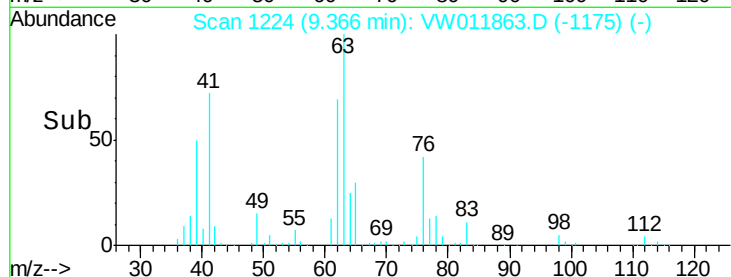
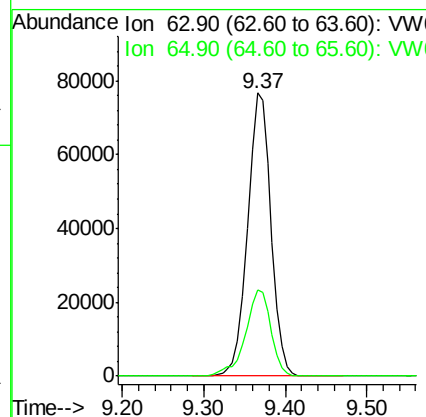
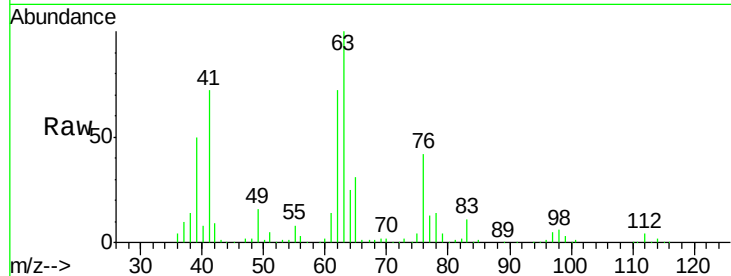
#45
 1,2-Dichloropropane
 Concen: 54.569 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.2	36.4

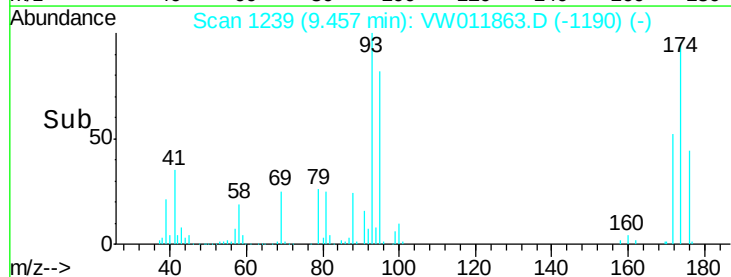
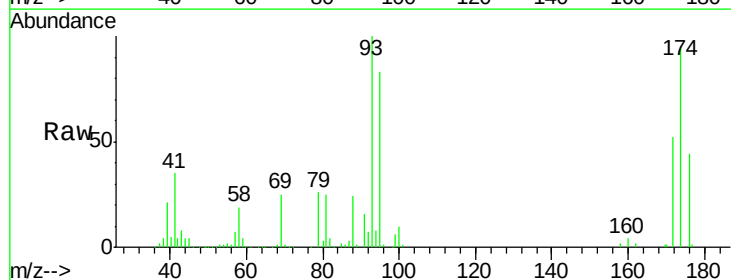
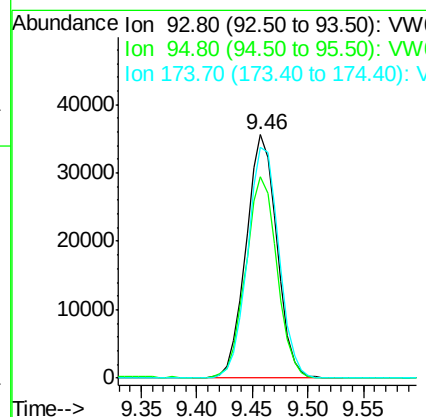
Manual Integrations
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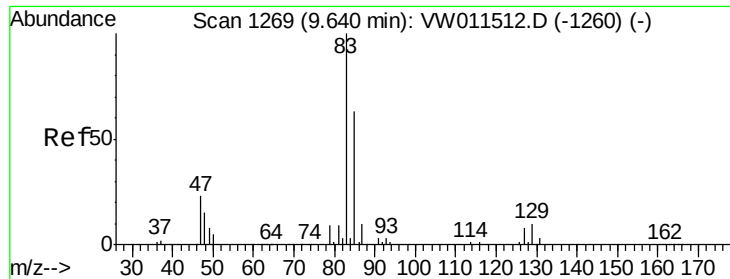
MMDadoda
 8/13/2019 2:43:10 PM



#46
 Dibromomethane
 Concen: 53.837 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.2	99.2
174	96.6	78.2	117.4





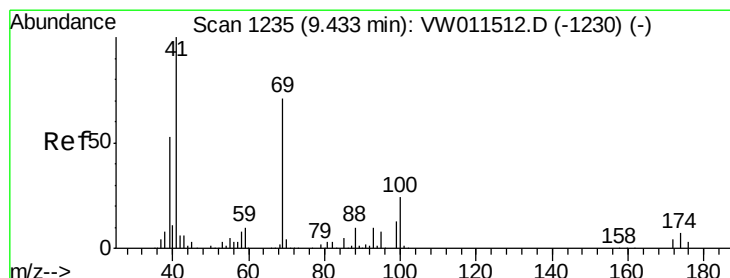
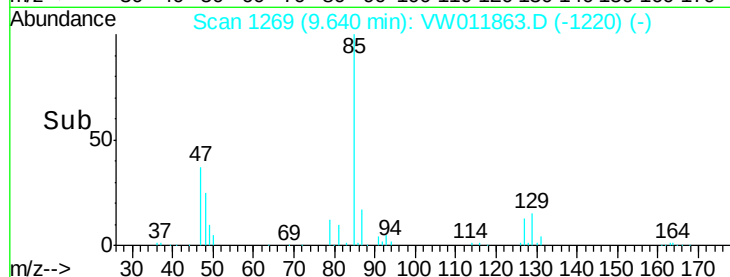
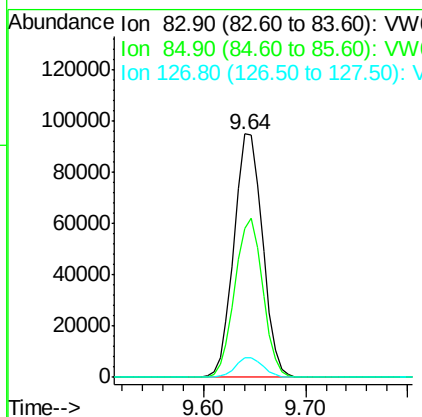
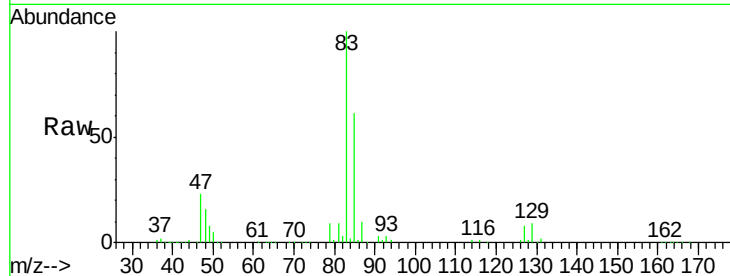
#47
Bromodichloromethane
Concen: 55.258 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	184565
Ion Ratio	Lower	Upper	
83	100		
85	60.9	50.5	75.7
127	8.2	6.4	9.6

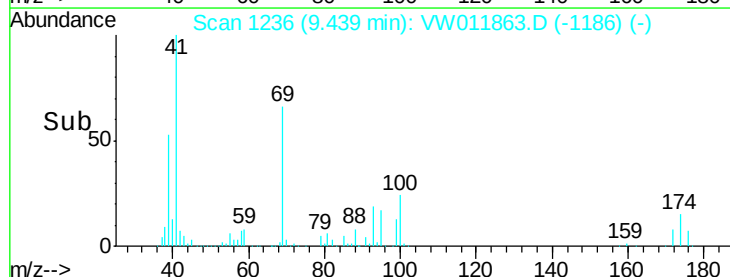
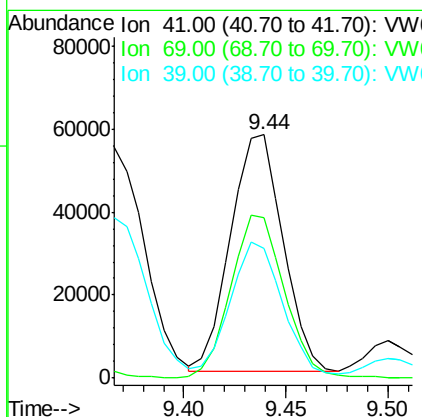
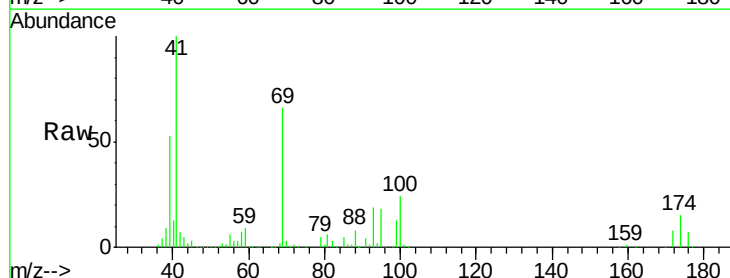
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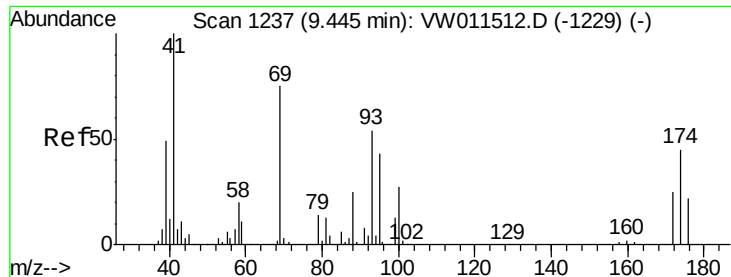
MMDadoda
8/13/2019 2:43:10 PM



#48
Methyl methacrylate
Concen: 53.551 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	41	Resp	101314
Ion Ratio	Lower	Upper	
41	100		
69	70.8	57.1	85.7
39	58.8	45.4	68.2





#49

1,4-Dioxane

Concen: 1083.170 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 19970

Ion Ratio Lower Upper

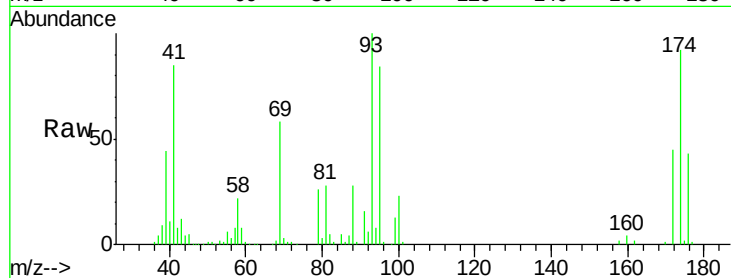
88 100

43 31.9 34.0 51.0#

58 83.5 69.7 104.5

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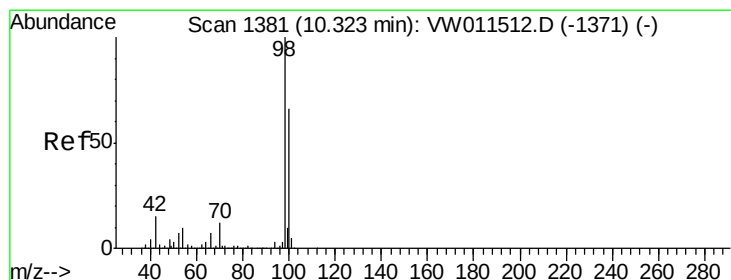
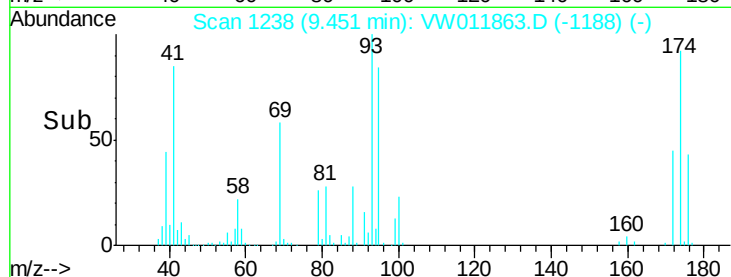
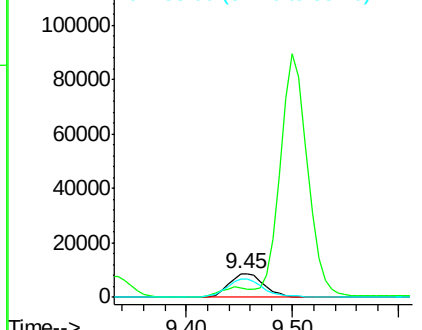


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 53.190 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011863.D

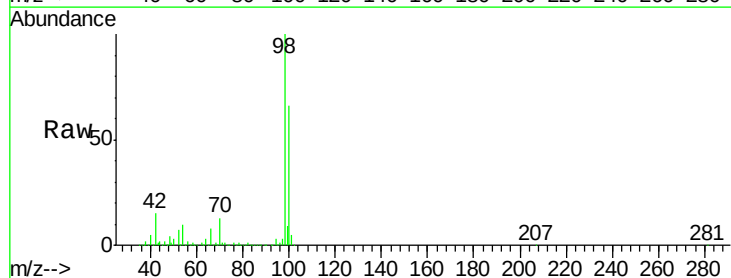
Acq: 12 Aug 2019 19:59

Tgt Ion: 98 Resp: 437362

Ion Ratio Lower Upper

98 100

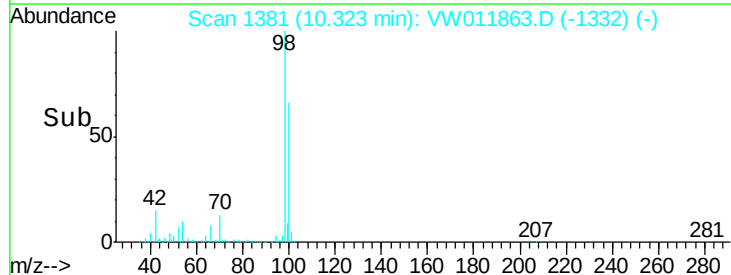
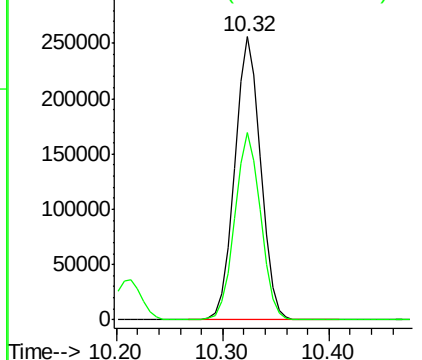
100 65.9 52.7 79.1

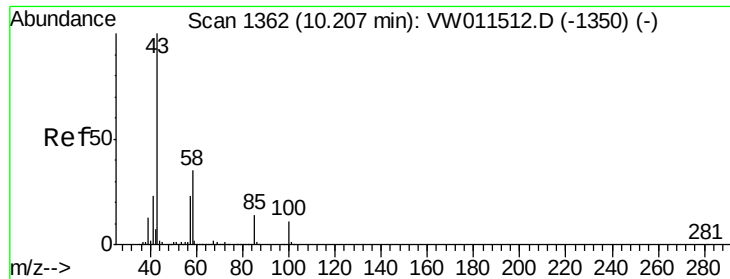


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 264.582 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 542022

Ion Ratio Lower Upper

43 100

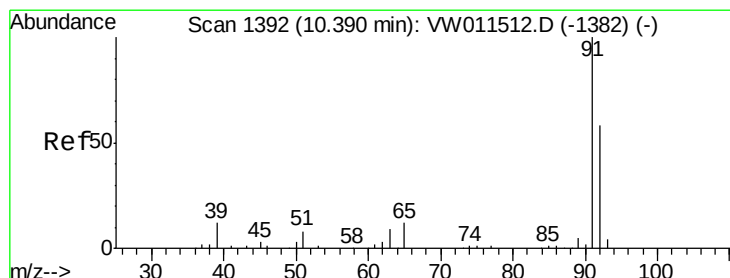
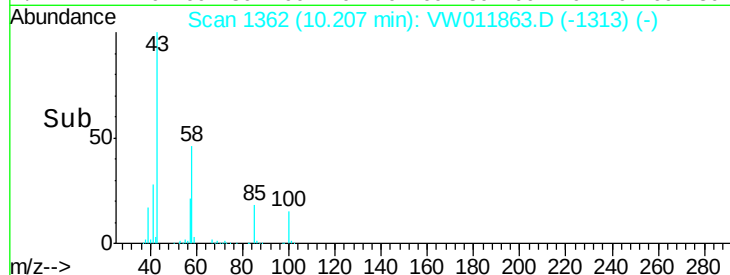
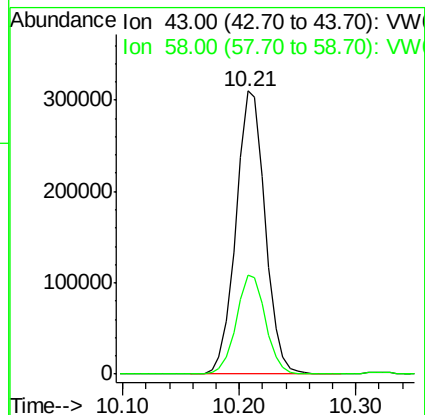
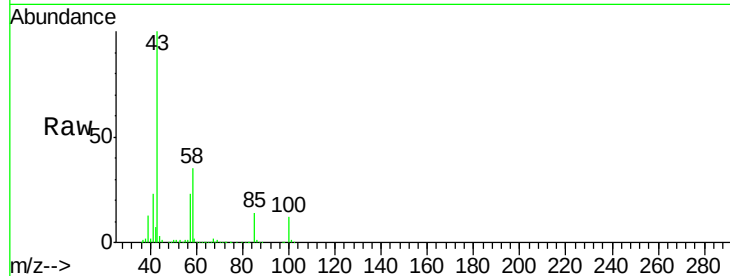
58 35.1 28.2 42.2

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8/13/2019 2:43:10 PM



#52

Toluene

Concen: 53.850 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011863.D

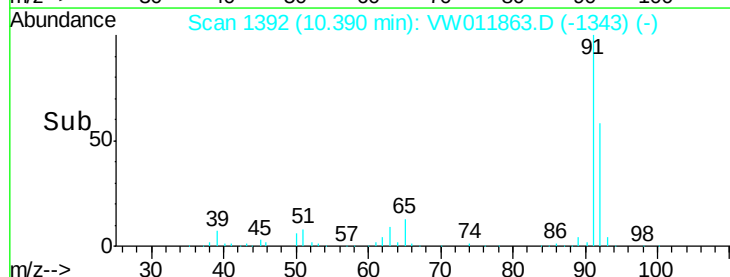
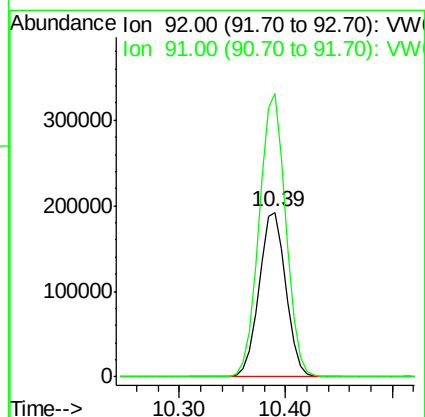
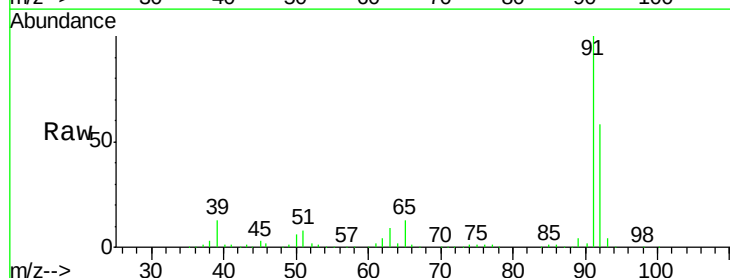
Acq: 12 Aug 2019 19:59

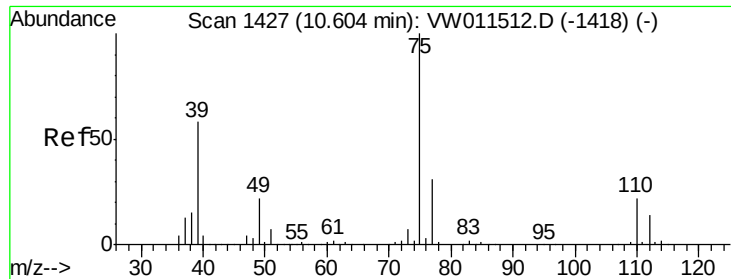
Tgt Ion: 92 Resp: 339066

Ion Ratio Lower Upper

92 100

91 171.5 136.7 205.1





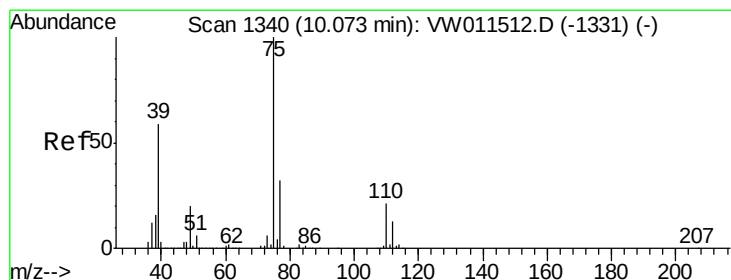
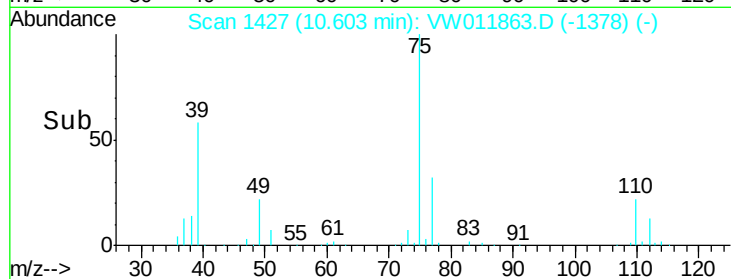
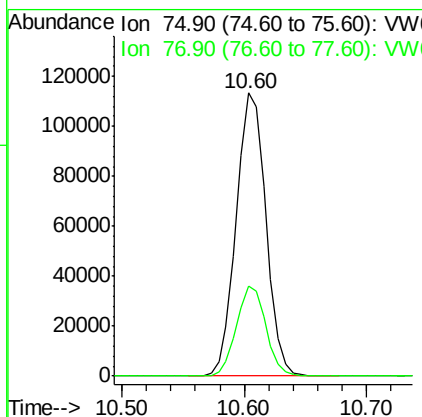
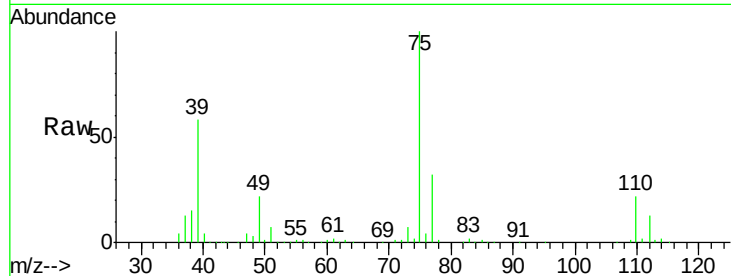
#53
 t-1,3-Dichloropropene
 Concen: 54.742 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	75	Resp	190997
Ion Ratio	100	Lower	Upper
75	100		
77	31.6	25.0	37.4

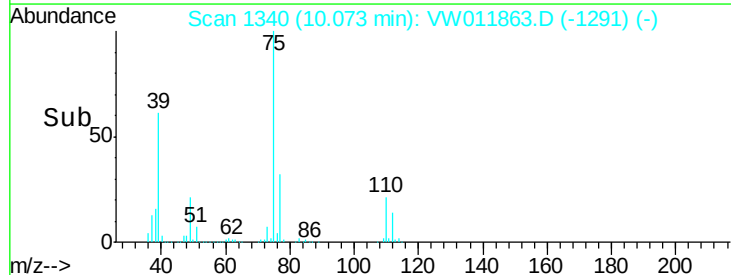
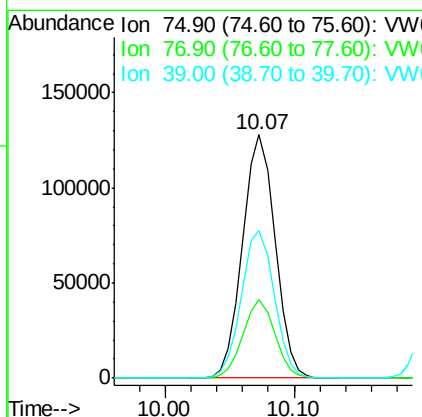
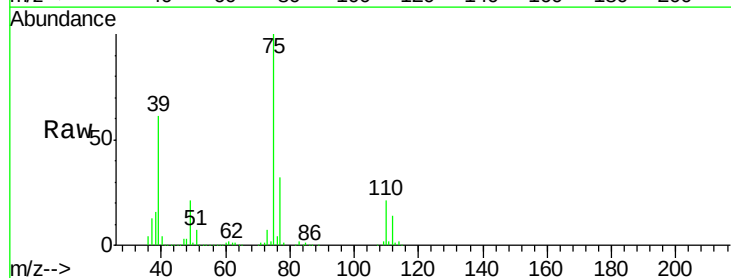
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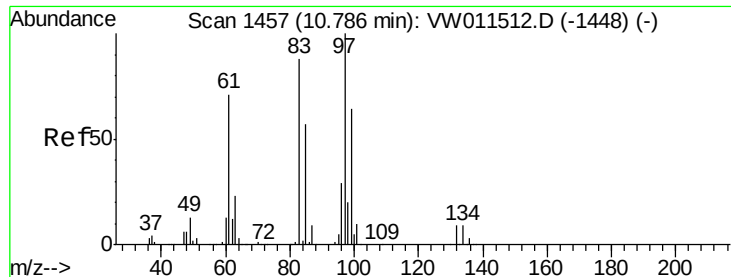
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#54
 cis-1,3-Dichloropropene
 Concen: 54.038 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Tgt Ion	75	Resp	224176
Ion Ratio	100	Lower	Upper
75	100		
77	32.0	25.6	38.4
39	60.6	47.0	70.4





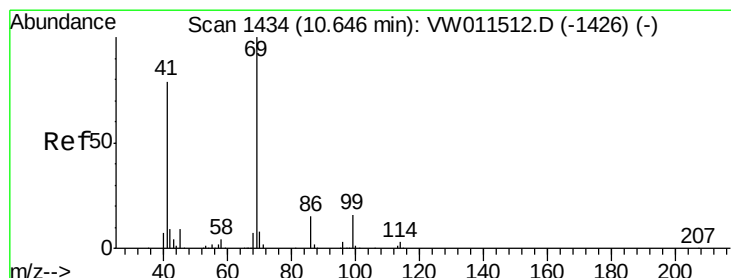
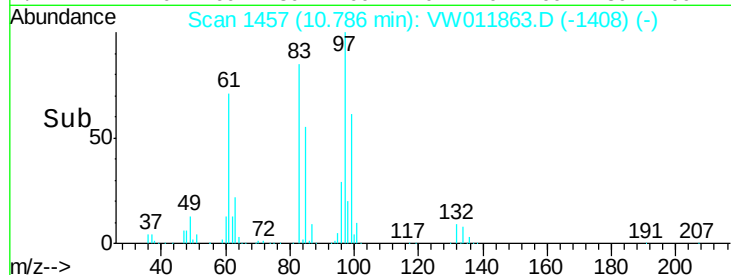
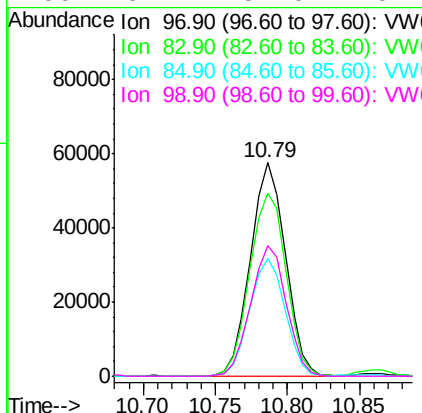
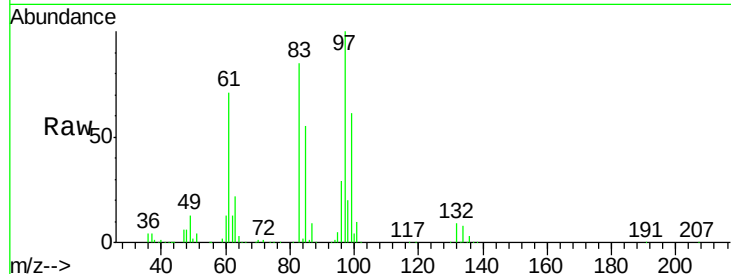
#55
 1,1,2-Trichloroethane
 Concen: 53.752 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	97110
Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.5	105.7
85	55.4	45.8	68.6
99	61.1	51.0	76.4

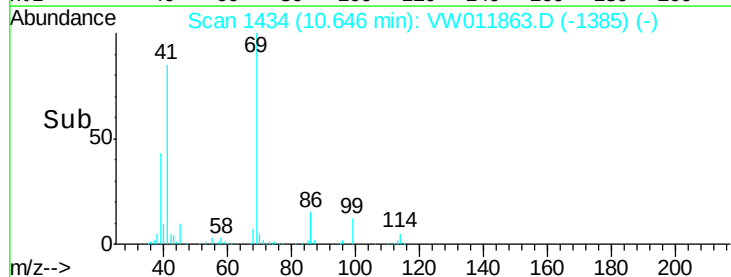
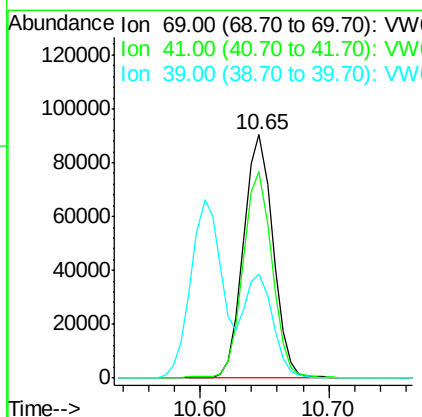
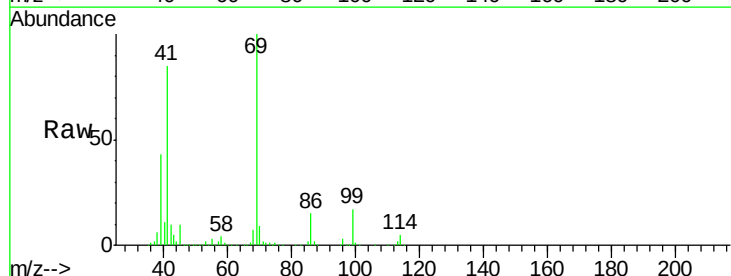
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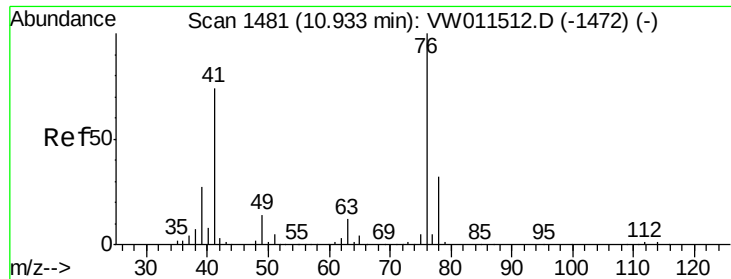
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#56
 Ethyl methacrylate
 Concen: 54.139 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Tgt Ion:	69	Resp:	143126
Ion	Ratio	Lower	Upper
69	100		
41	84.4	66.6	99.8
39	40.3	30.3	45.5





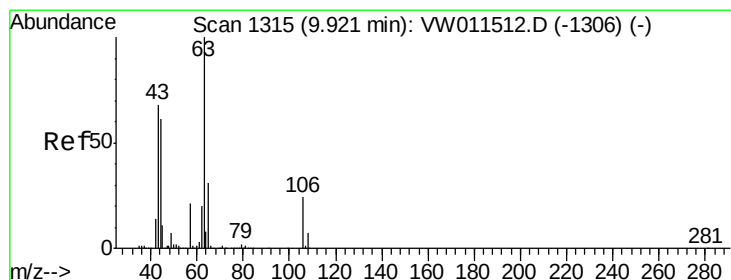
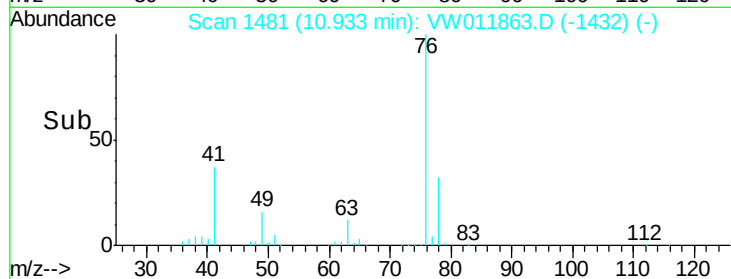
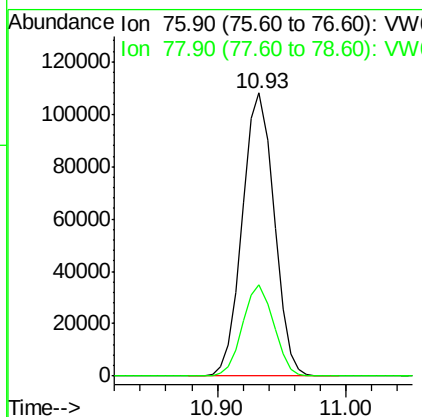
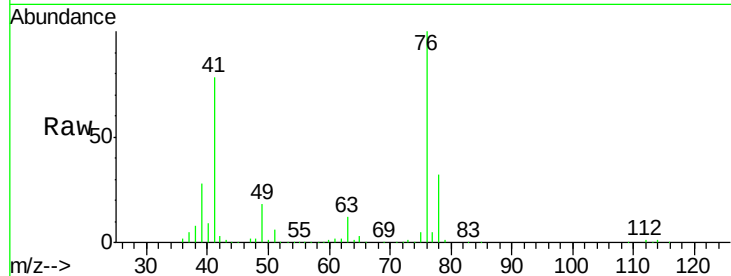
#57
 1,3-Dichloropropane
 Concen: 54.068 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 184801
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.2 37.8

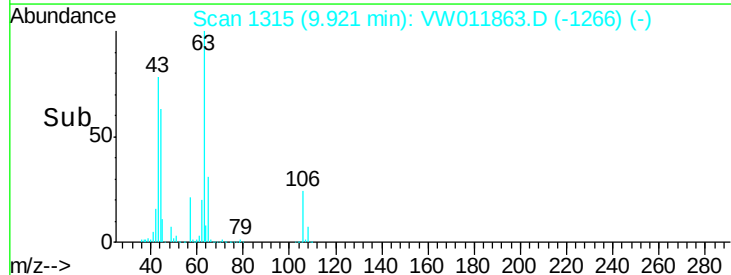
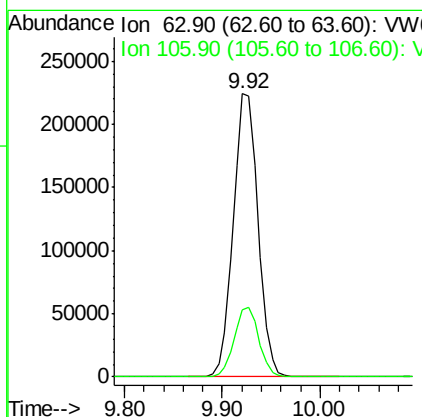
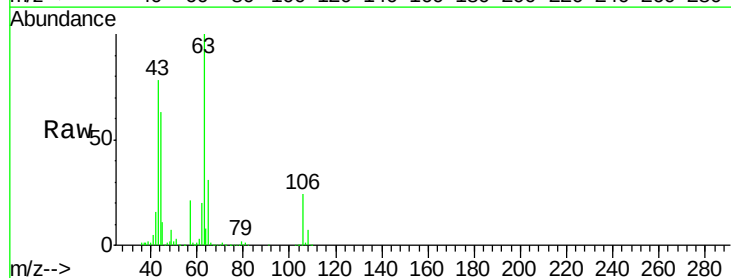
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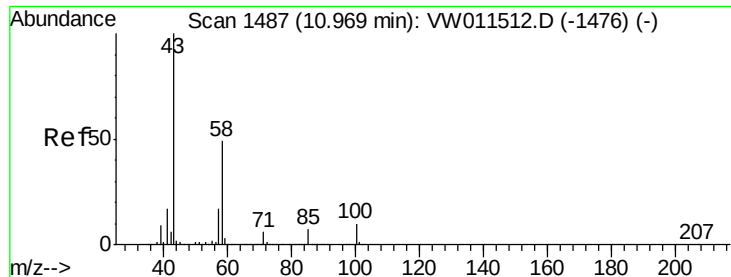
MMDadoda
 8/13/2019 2:43:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 328.538 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Tgt Ion: 63 Resp: 394355
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.7 29.5





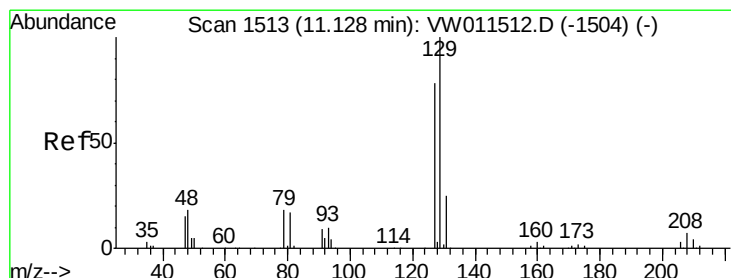
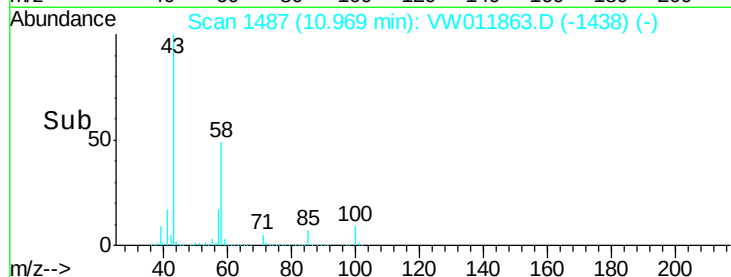
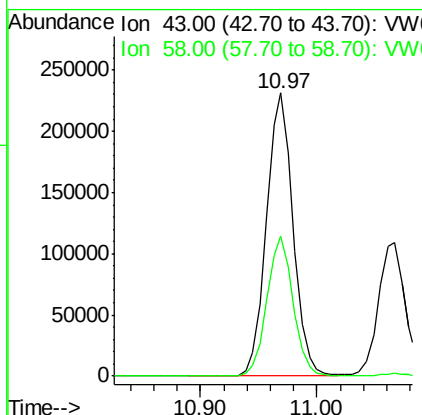
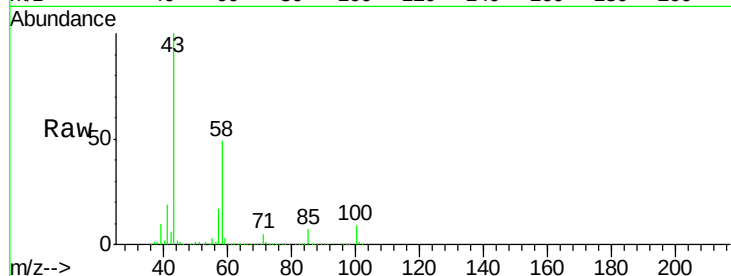
#59
2-Hexanone
Concen: 253.373 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 366489
Ion Ratio Lower Upper
43 100
58 48.6 24.3 72.9

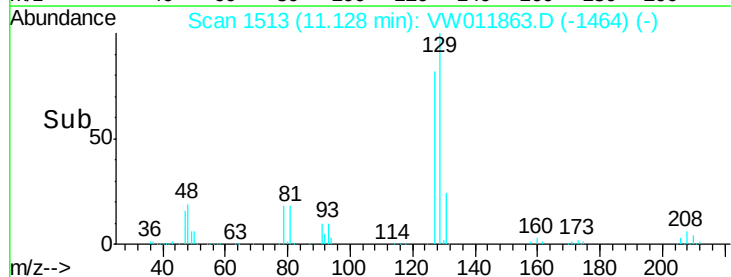
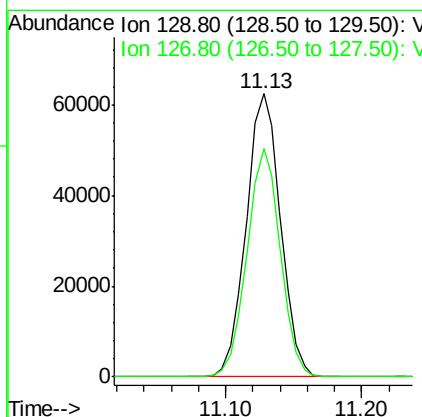
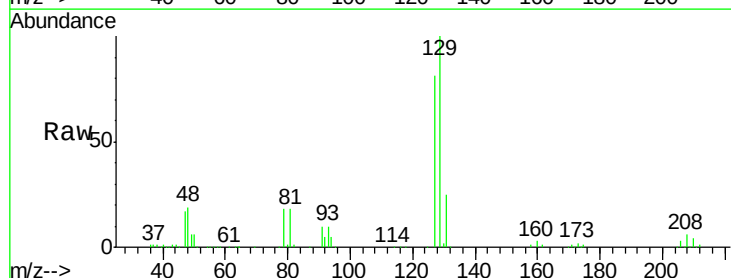
Manual Integrations
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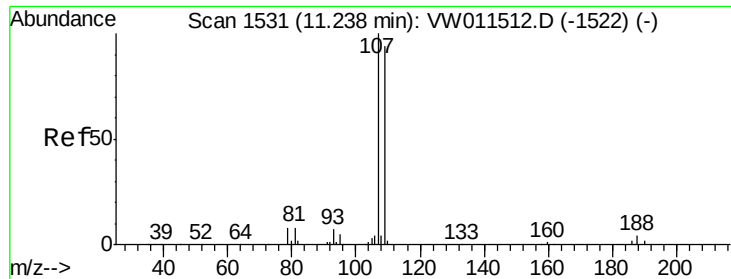
MMDadoda
8/13/2019 2:43:10 PM



#60
Dibromochloromethane
Concen: 55.082 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion: 129 Resp: 110462
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.7





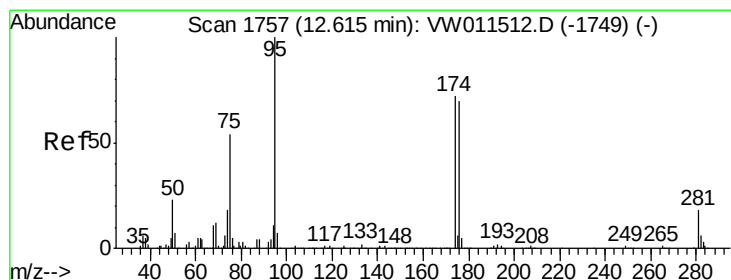
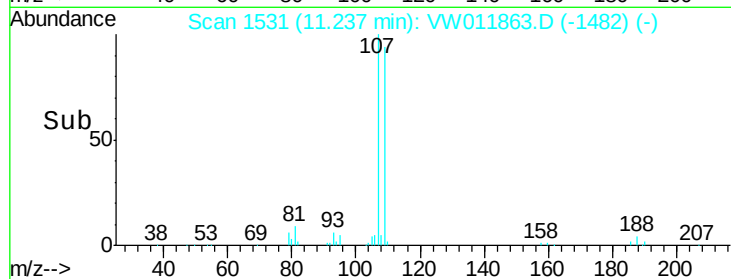
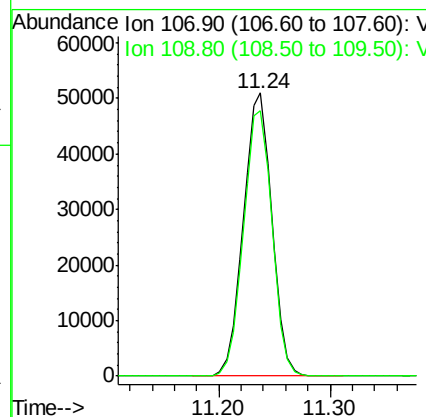
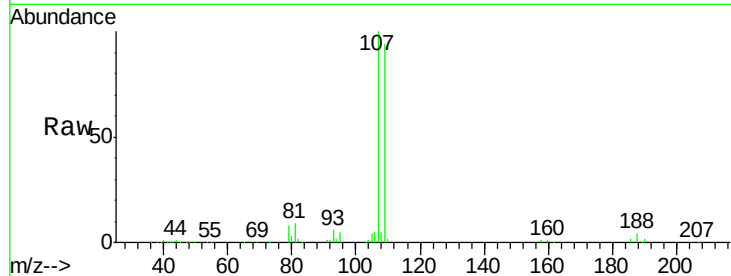
#61
 1,2-Dibromoethane
 Concen: 52.834 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.0	112.6

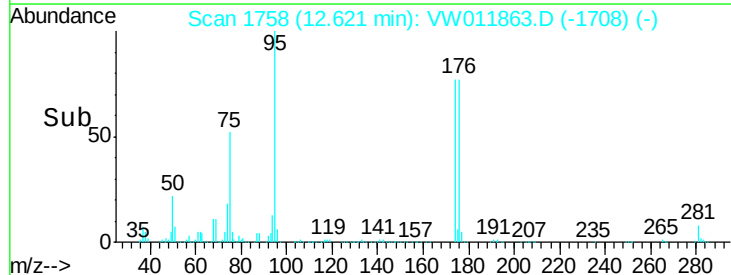
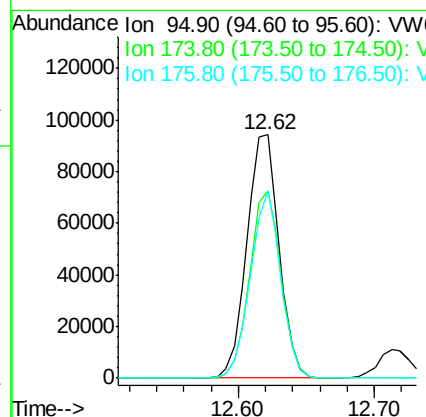
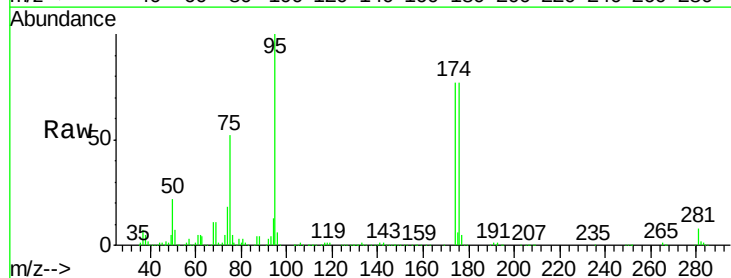
Manual Integrations
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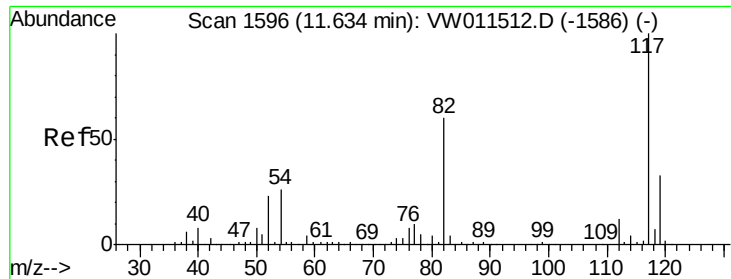
MMDadoda
 8/13/2019 2:43:10 PM



#62
 4-Bromofluorobenzene
 Concen: 53.223 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.2
176	72.4	0.0	144.4





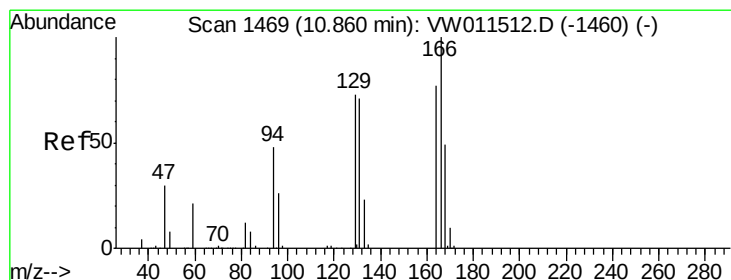
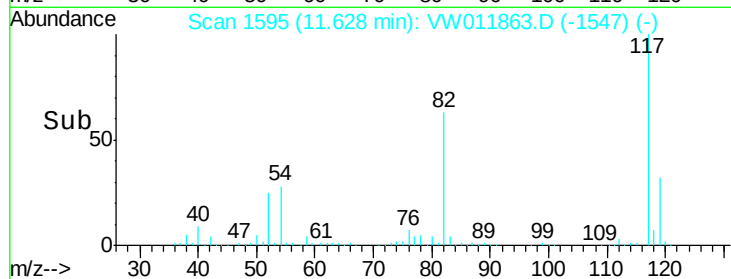
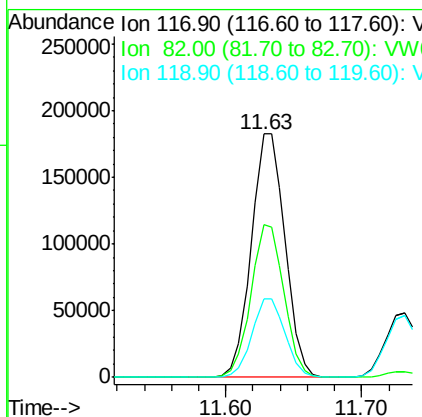
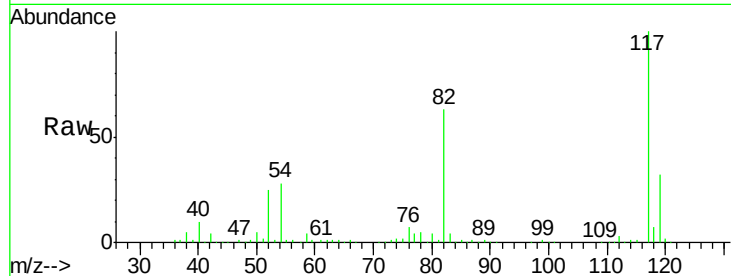
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.7	47.9	71.9
119	32.1	26.2	39.2

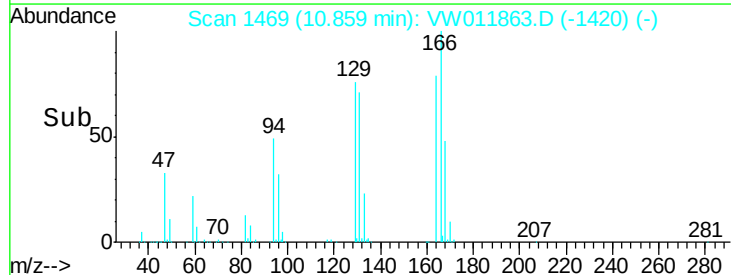
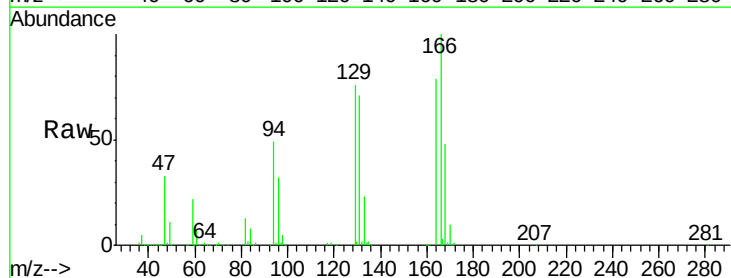
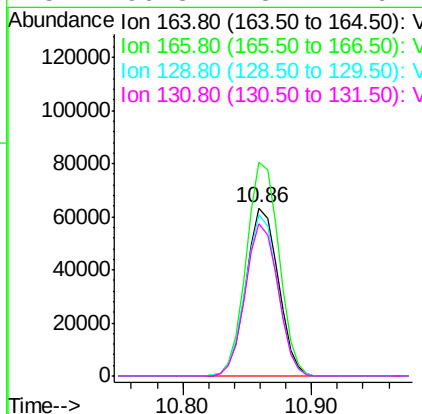
Manual Integrations
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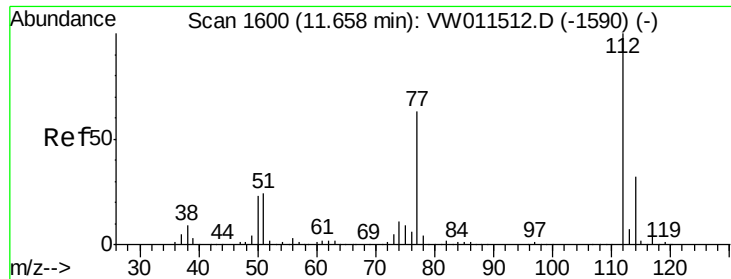
MMDadoda
8/13/2019 2:43:10 PM



#64
Tetrachloroethene
Concen: 52.966 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	103.5	155.3
129	96.2	75.2	112.8
131	90.3	73.4	110.2





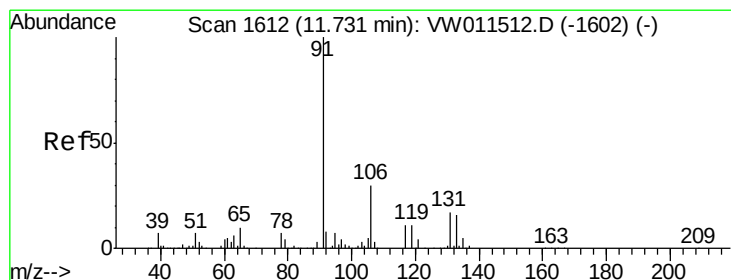
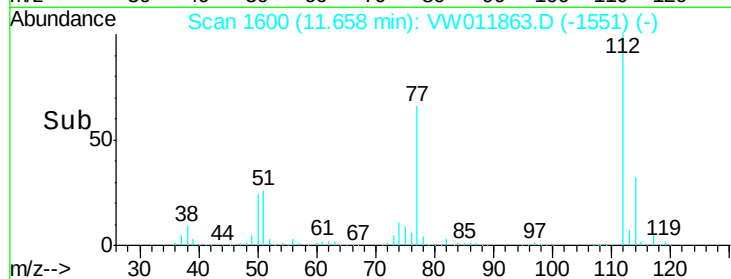
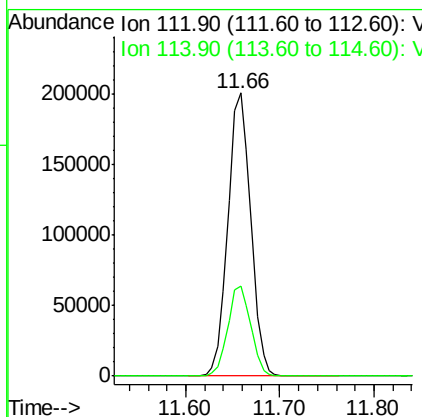
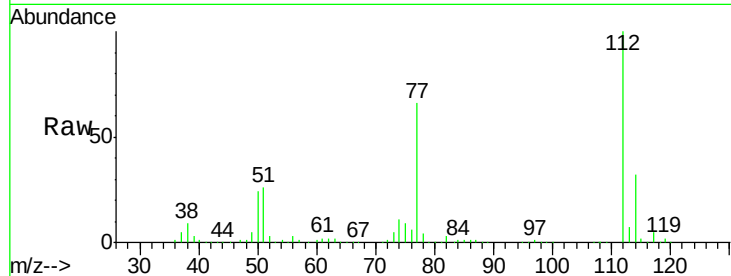
#65
Chlorobenzene
Concen: 52.792 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	338036		
114	31.8	25.6	38.4	

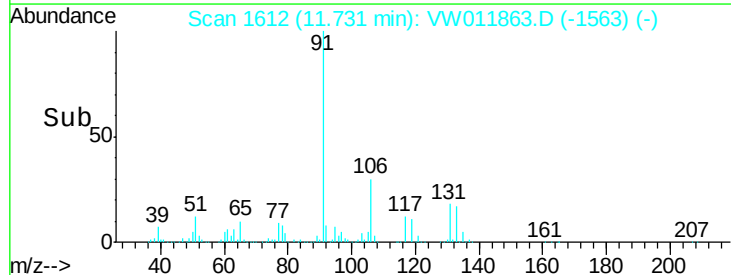
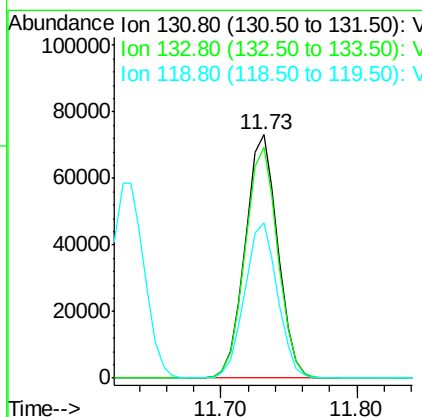
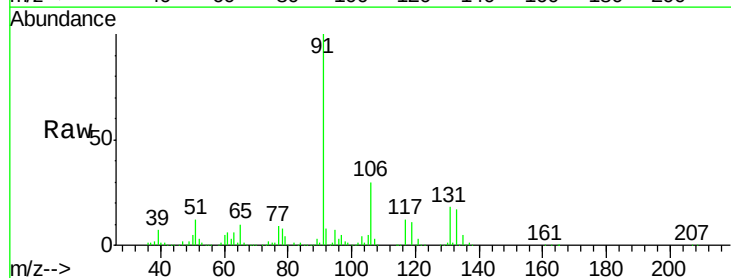
Manual Integrations
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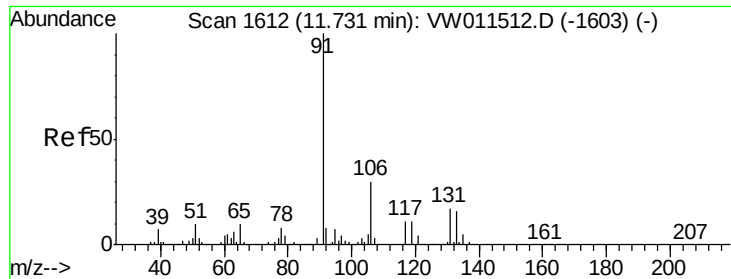
MMDadoda
8/13/2019 2:43:10 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.118 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	122933		
133	95.1	47.4	142.2	
119	64.3	32.3	96.9	





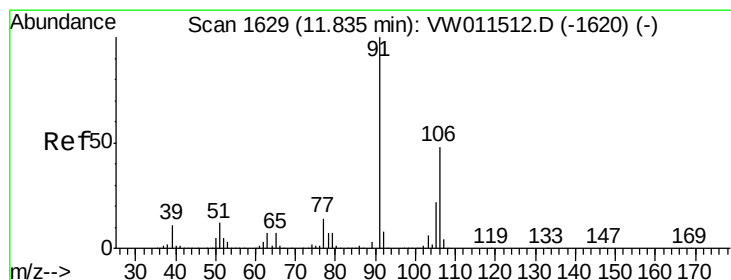
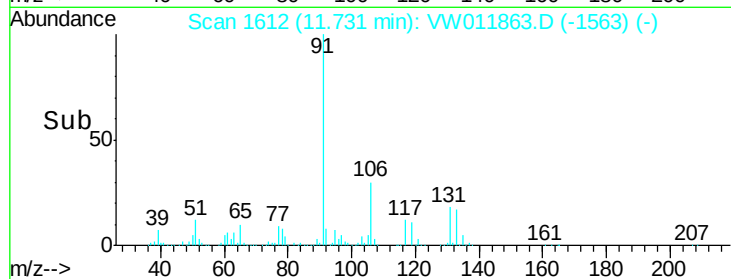
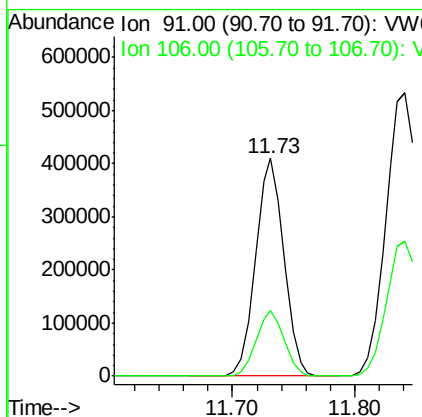
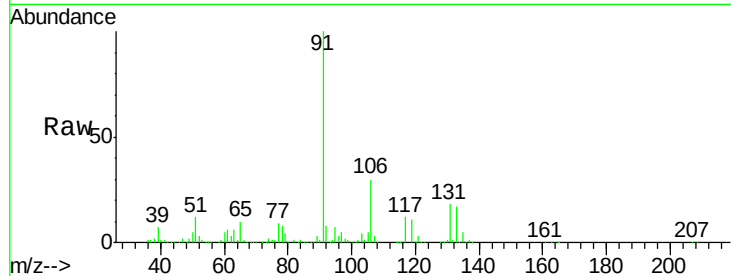
#67
Ethyl Benzene
Concen: 53.954 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.8	35.6

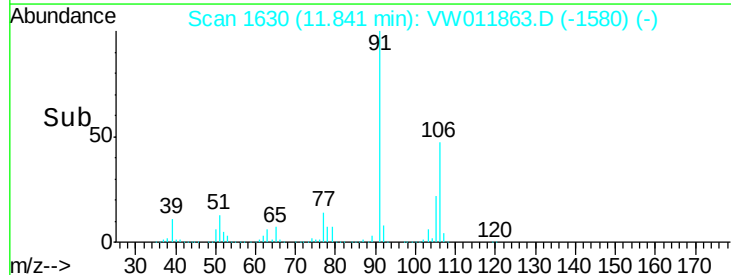
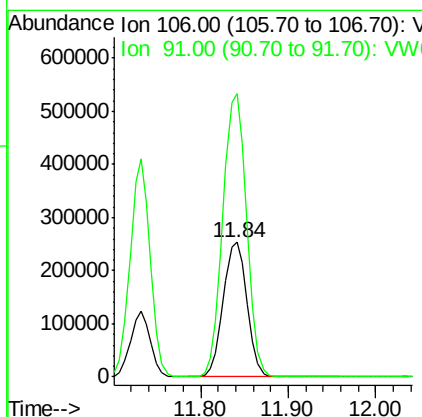
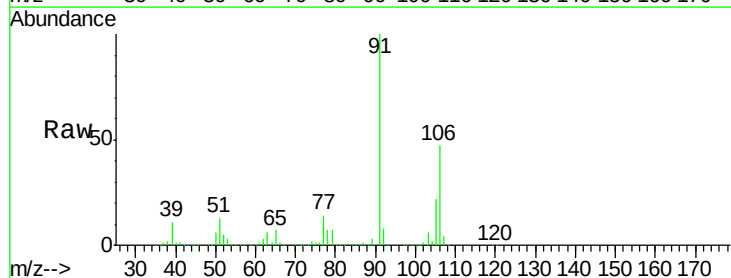
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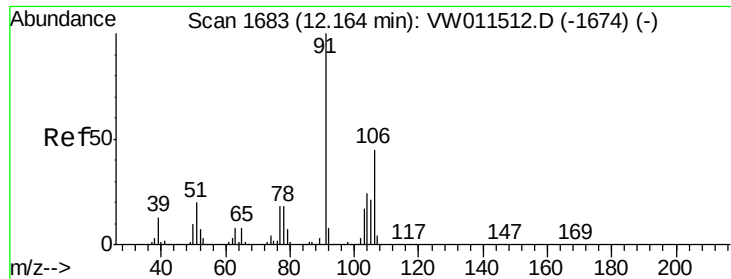
MMDadoda
8/13/2019 2:43:10 PM



#68
m/p-Xylenes
Concen: 107.467 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.6	168.2	252.2





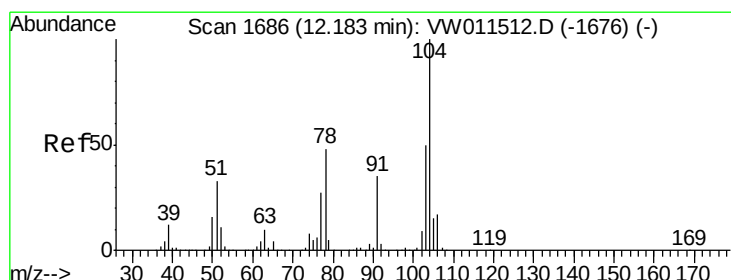
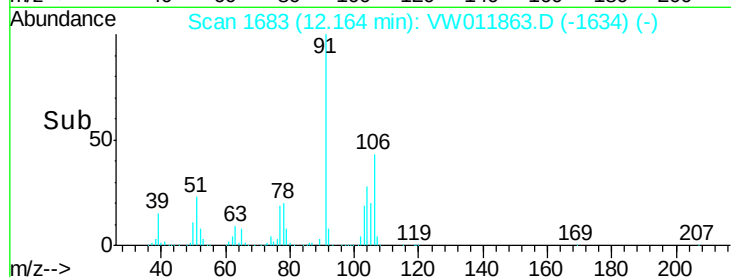
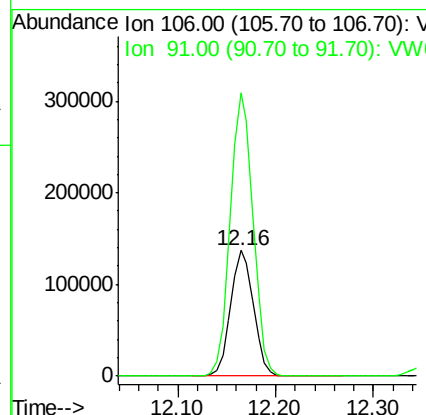
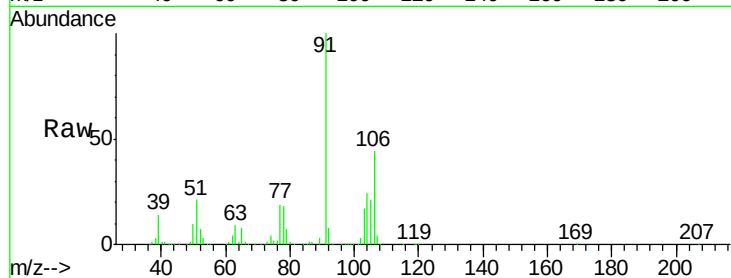
#69
o-Xylene
Concen: 53.793 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		221695		
91	224.8	110.5	331.5		

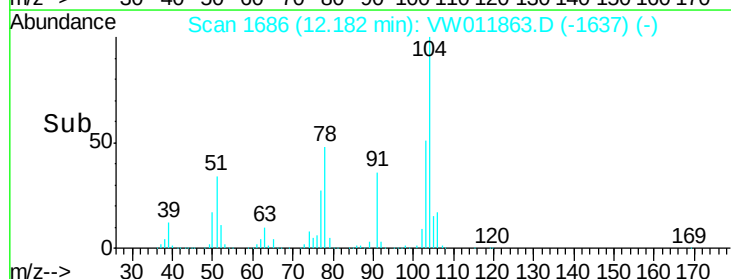
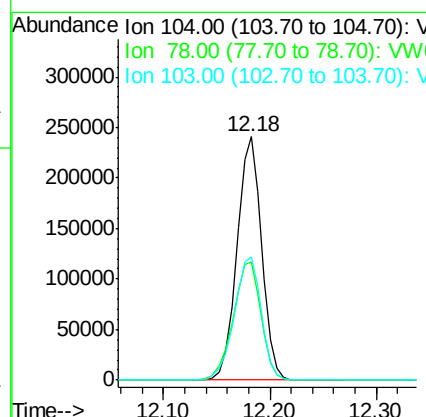
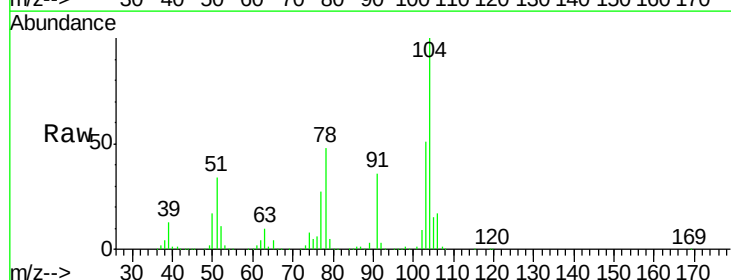
Manual Integrations
APPROVED

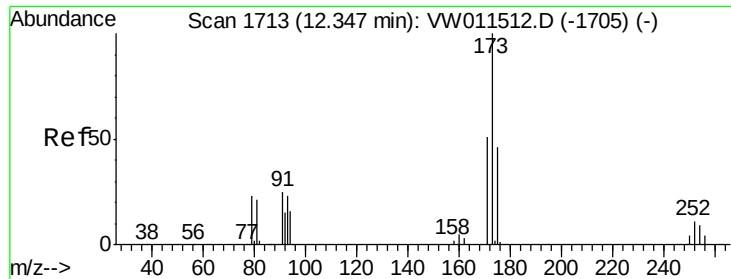
MMDadoda
8/13/2019 2:43:10 PM



#70
Styrene
Concen: 54.798 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		390470		
78	54.5	43.4	65.0		
103	55.4	43.9	65.9		





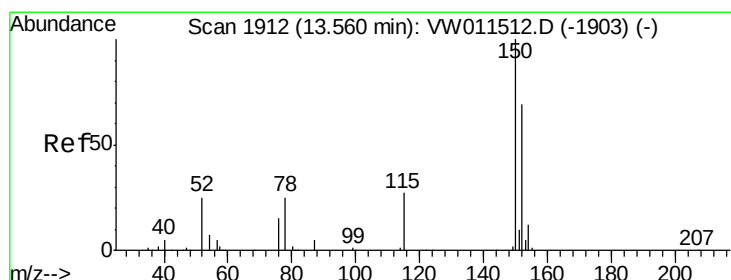
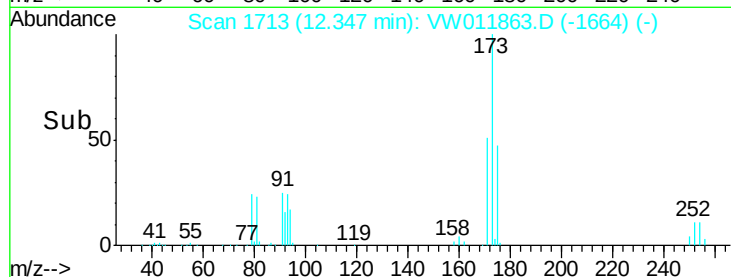
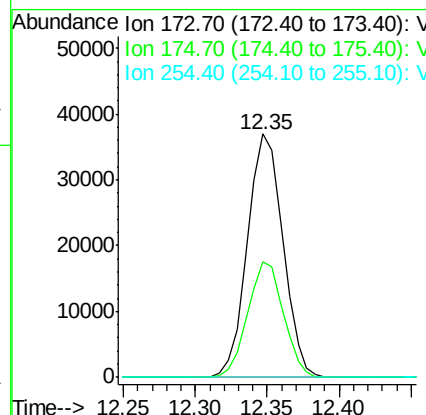
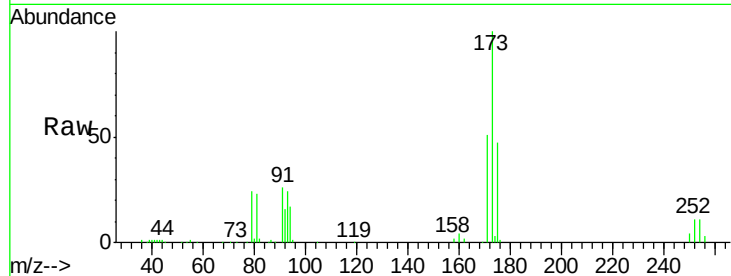
#71
Bromoform
Concen: 55.337 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.6	71.0
254	0.1	0.1	0.1#

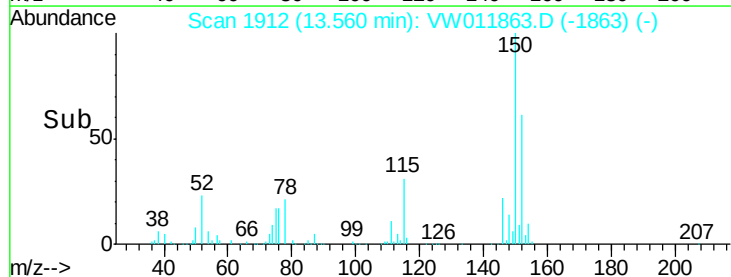
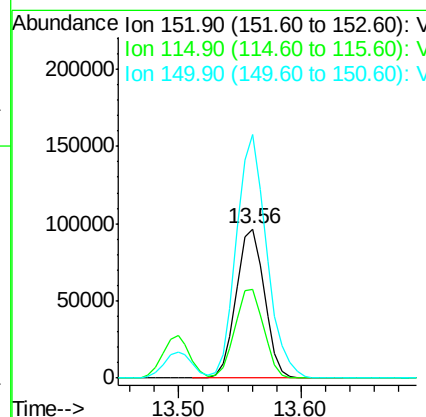
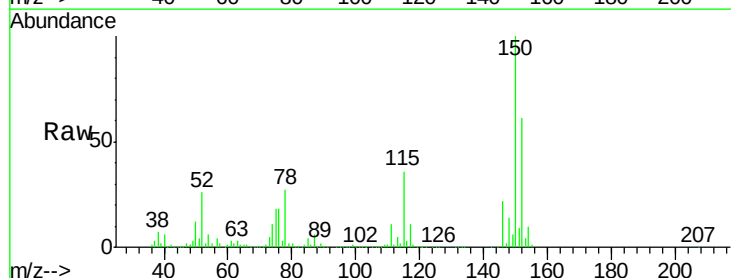
Manual Integrations
APPROVED

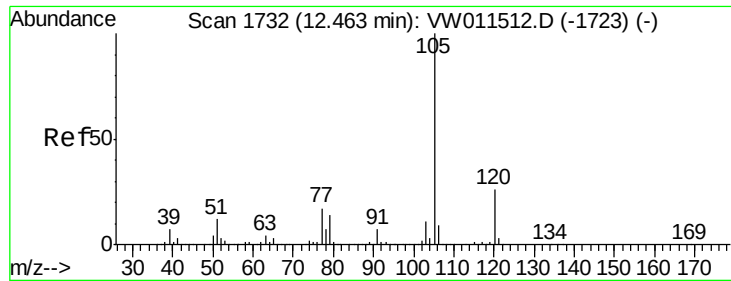
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.5	91.5
150	174.5	0.0	352.6





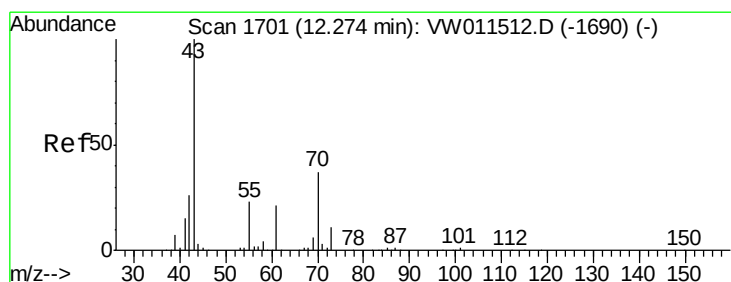
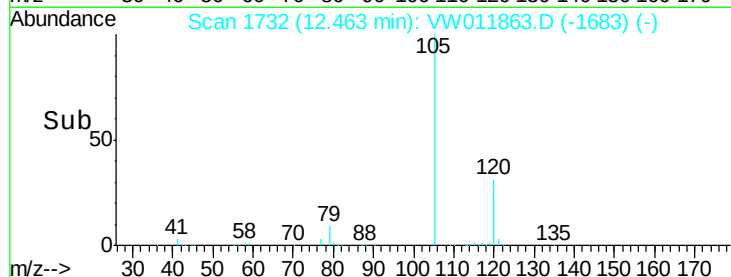
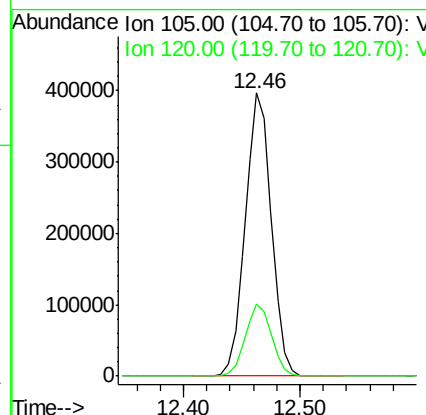
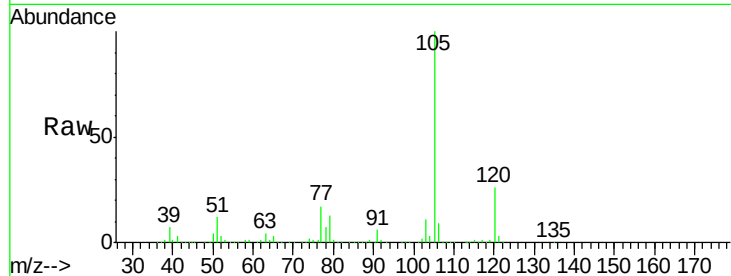
#73
Isopropylbenzene
Concen: 53.956 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 619462
Ion Ratio Lower Upper
105 100
120 25.6 12.9 38.7

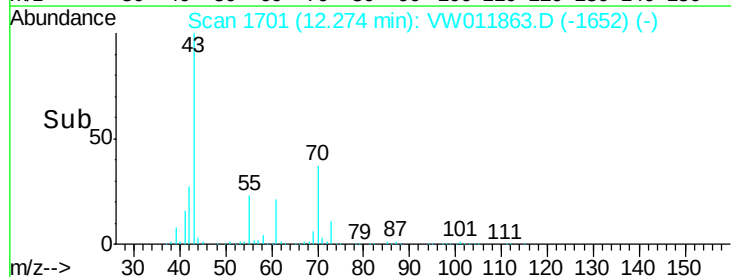
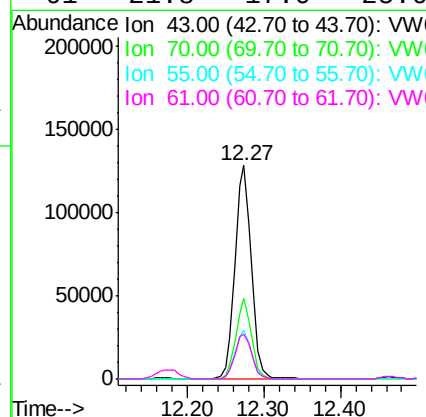
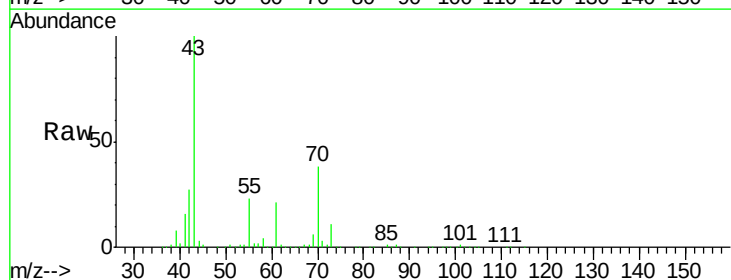
Manual Integrations
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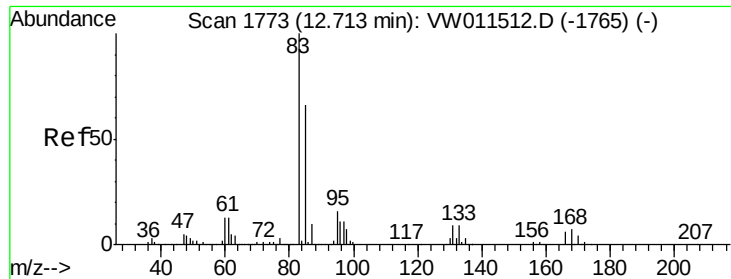
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#74
N-ethyl acetate
Concen: 52.355 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion: 43 Resp: 188184
Ion Ratio Lower Upper
43 100
70 35.9 28.6 43.0
55 22.7 17.8 26.8
61 21.8 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.333 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

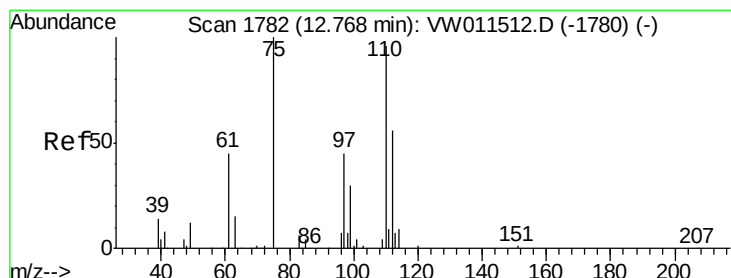
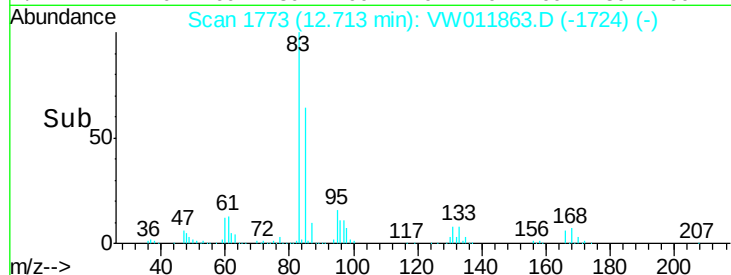
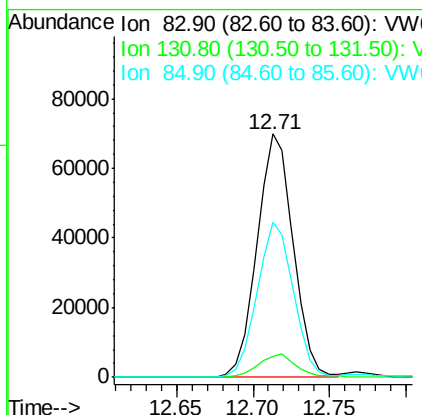
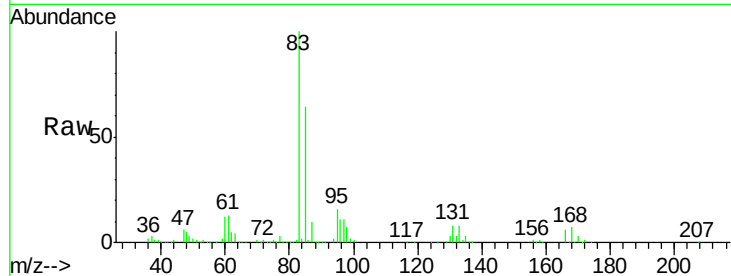
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	115174
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.6
85	64.0	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.877 ug/l m

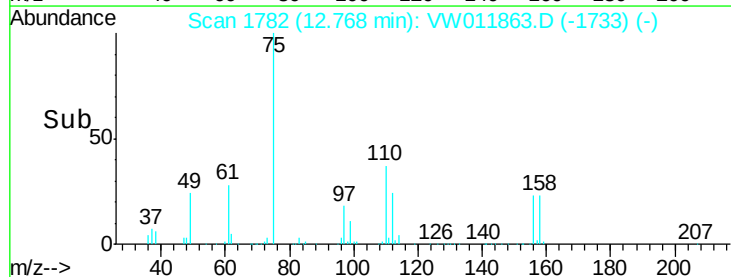
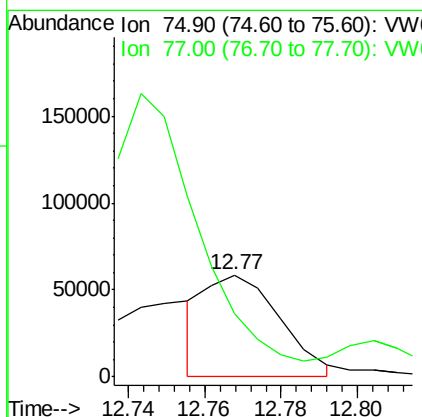
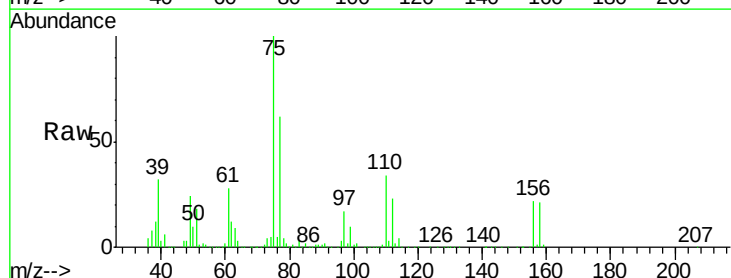
RT: 12.77 min Scan# 1782

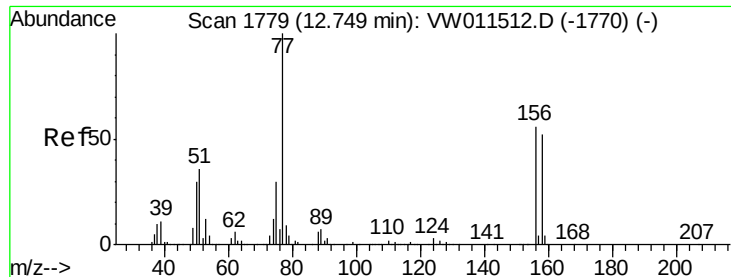
Delta R.T. -0.00 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Tgt Ion:	75	Resp:	79589
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.758 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

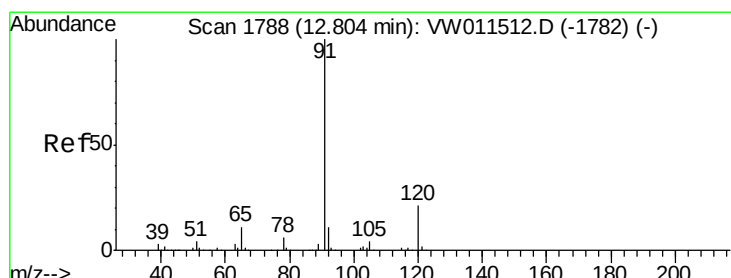
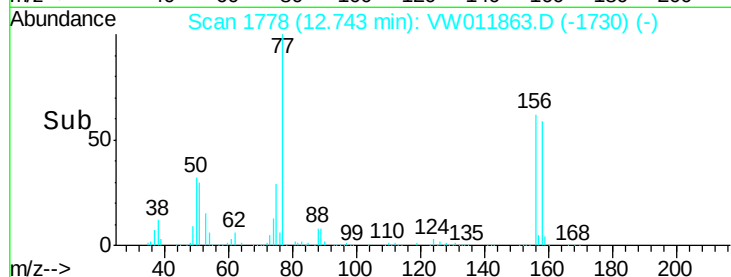
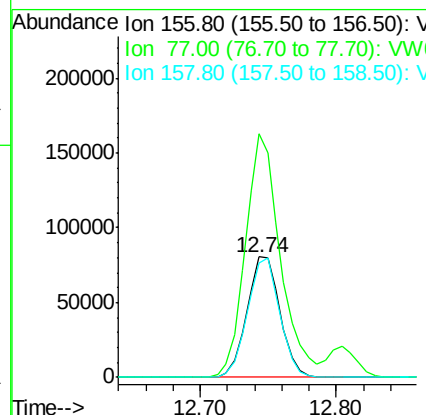
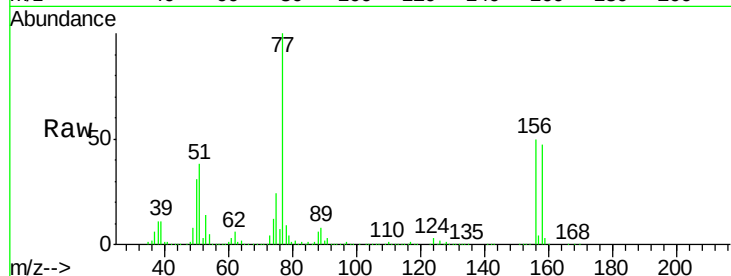
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	136417
Ion Ratio	Lower	Upper	
156	100		
77	213.4	106.5	319.4
158	96.5	48.0	144.2

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#78

n-propylbenzene

Concen: 54.009 ug/l

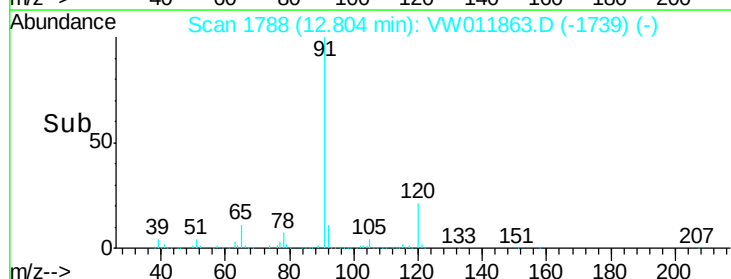
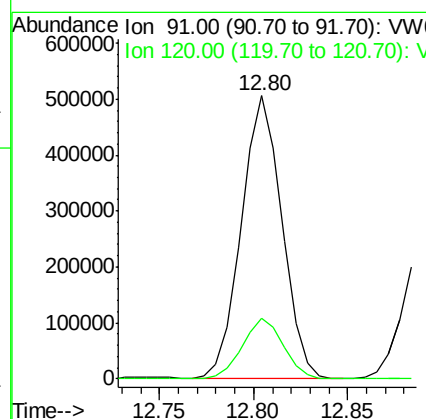
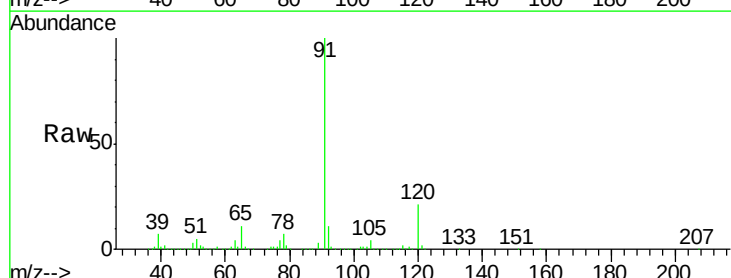
RT: 12.80 min Scan# 1788

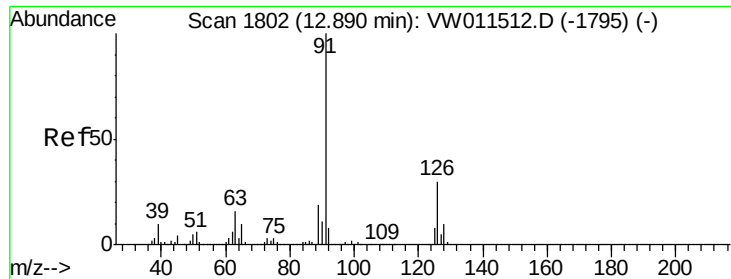
Delta R.T. -0.00 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Tgt Ion:	91	Resp:	754621
Ion Ratio	Lower	Upper	
91	100		
120	21.5	10.9	32.7





#79

2-Chlorotoluene

Concen: 53.500 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 430641

Ion Ratio Lower Upper

91 100

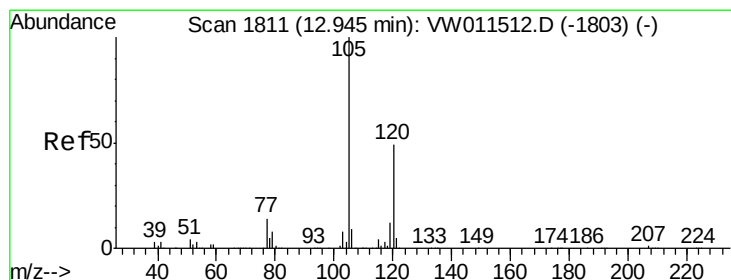
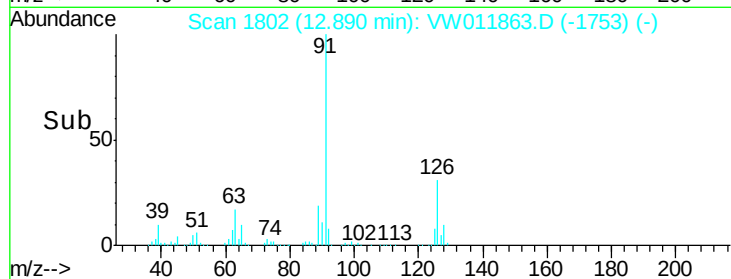
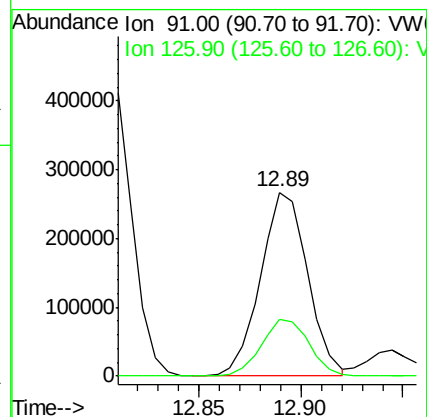
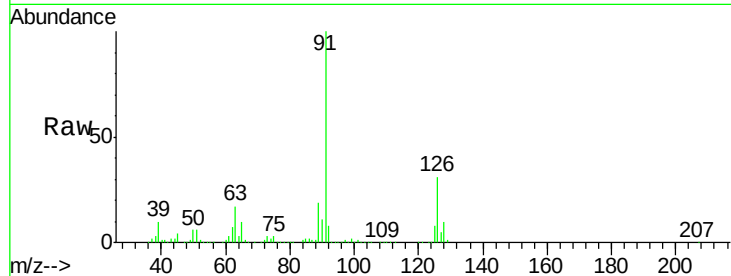
126 31.4 15.7 47.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.349 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011863.D

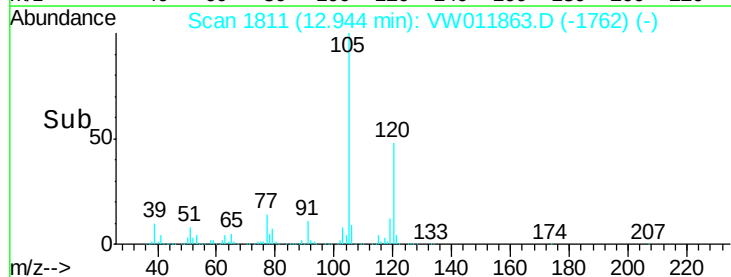
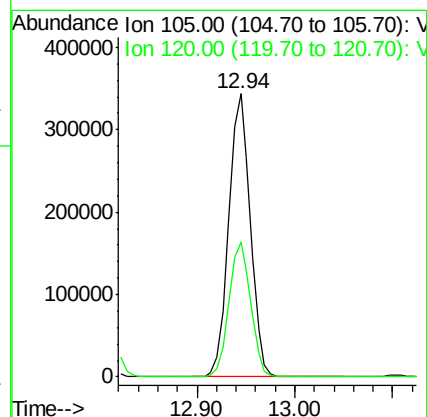
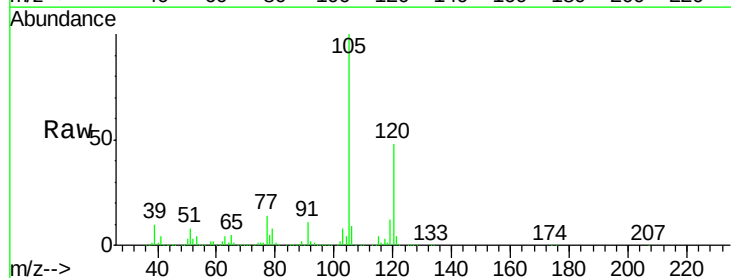
Acq: 12 Aug 2019 19:59

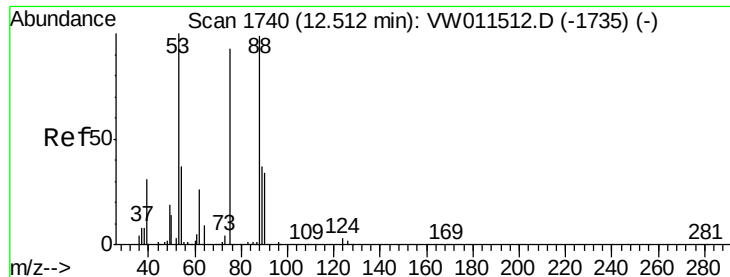
Tgt Ion: 105 Resp: 523045

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.3





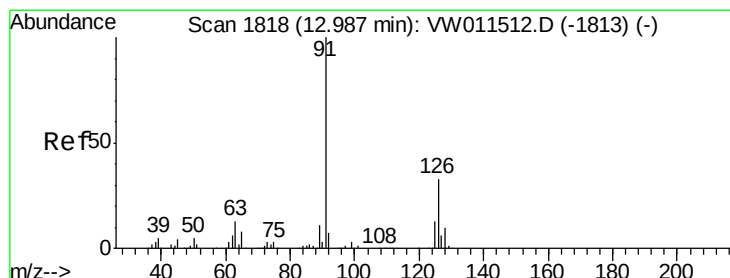
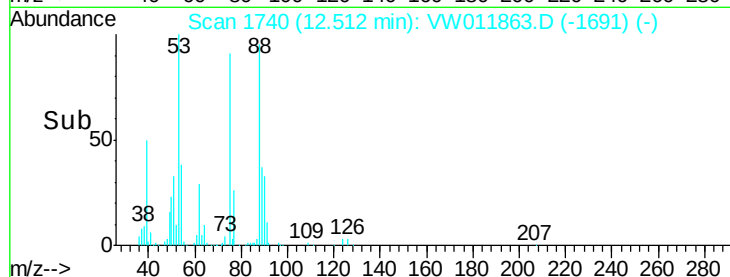
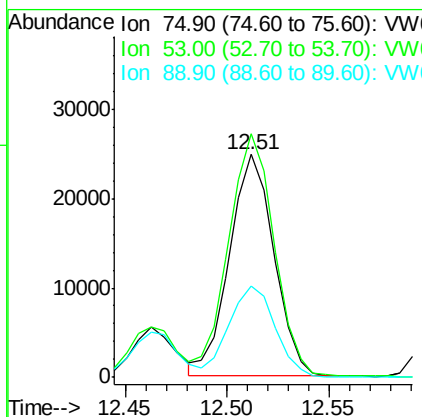
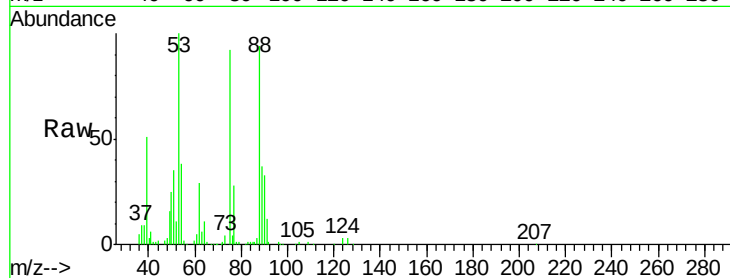
#81
trans-1,4-Dichloro-2-butene
Concen: 53.297 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.0	88.0	132.0
89	42.8	35.3	52.9

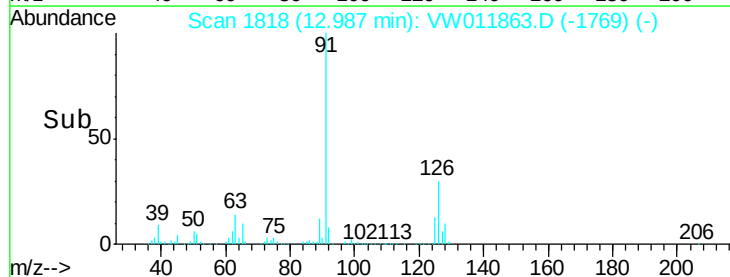
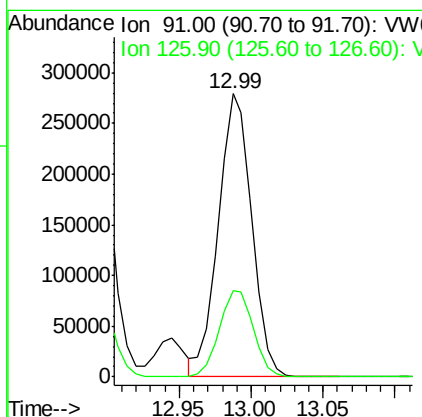
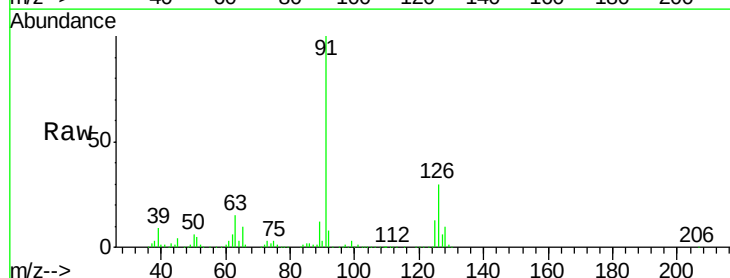
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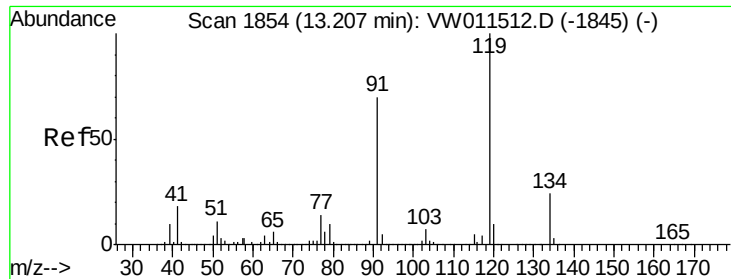
MMDadoda
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#82
4-Chlorotoluene
Concen: 53.573 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





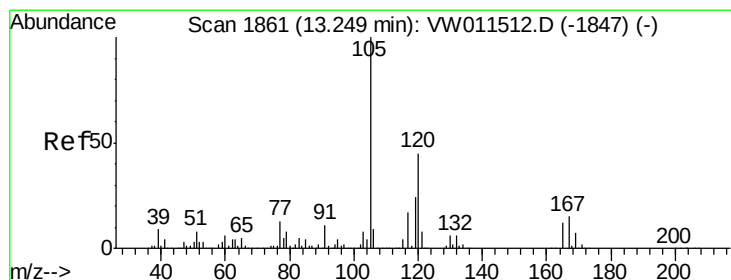
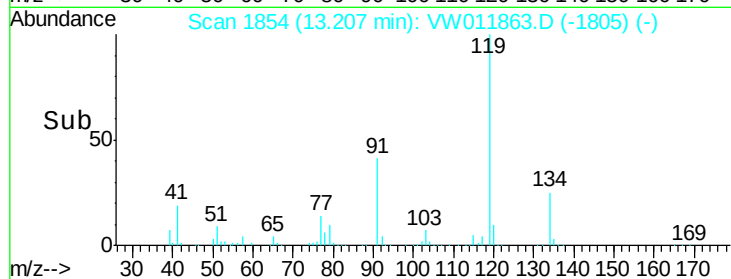
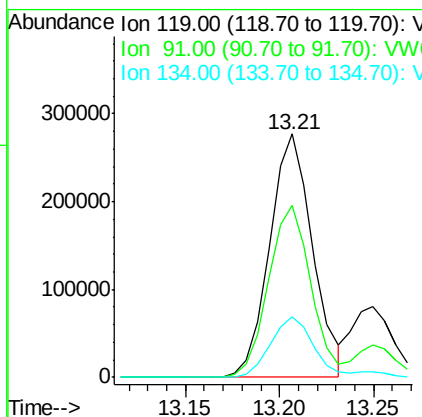
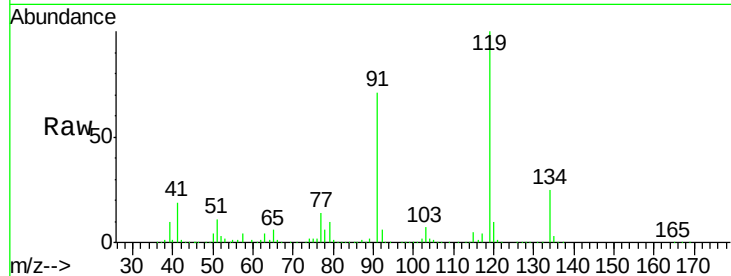
#83
 tert-Butylbenzene
 Concen: 54.293 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	436938		
91	69.5	34.5	103.6	
134	24.7	12.4	37.4	

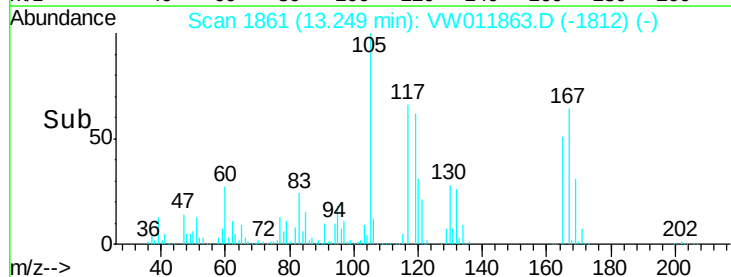
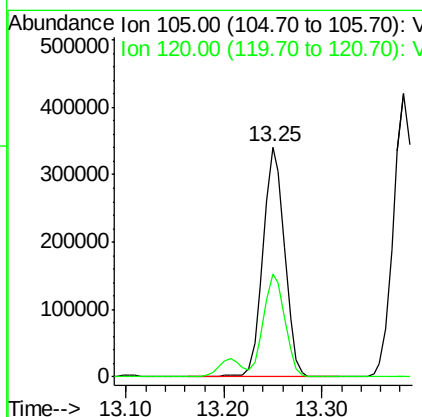
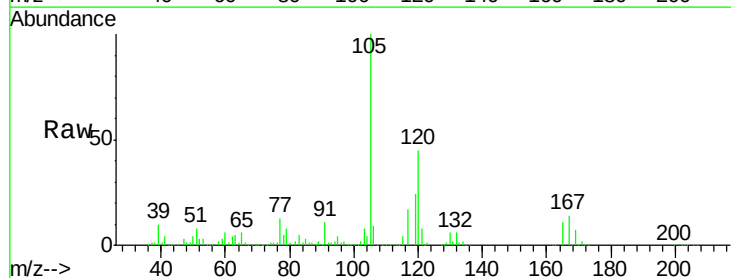
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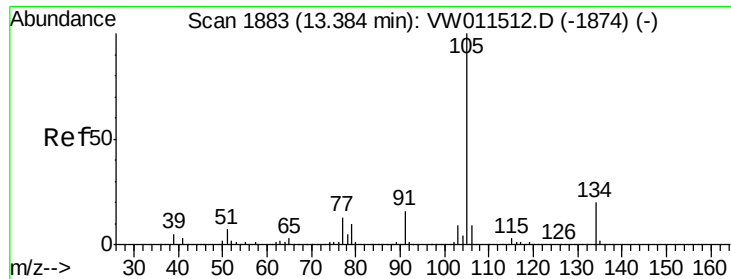
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.947 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	522997		
120	44.4	22.1	66.5	





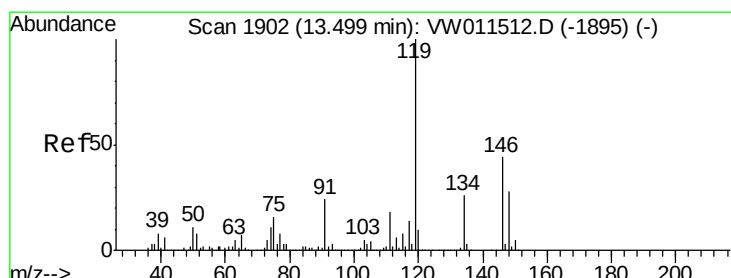
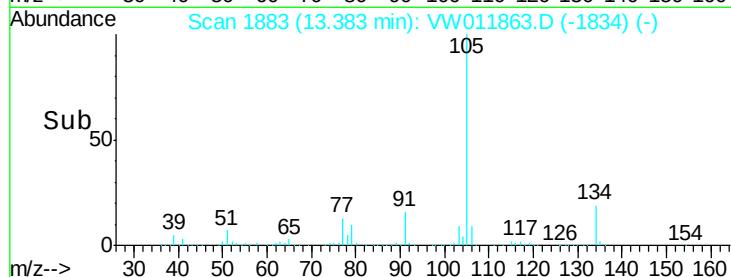
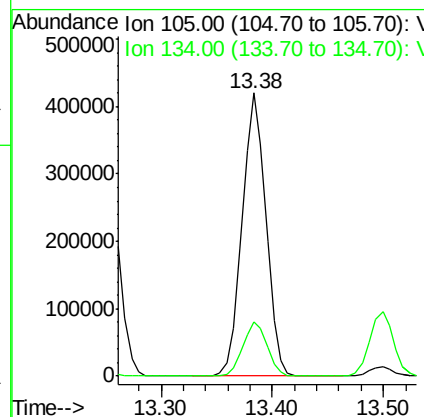
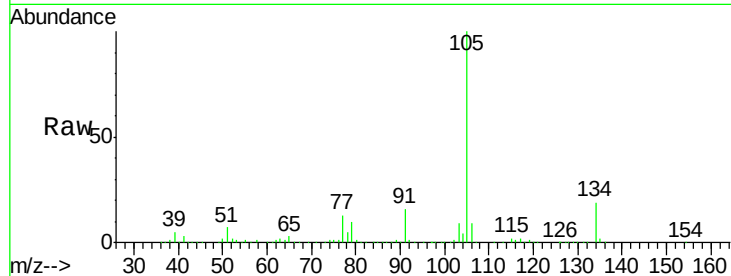
#85
 sec-Butylbenzene
 Concen: 54.074 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	29.1

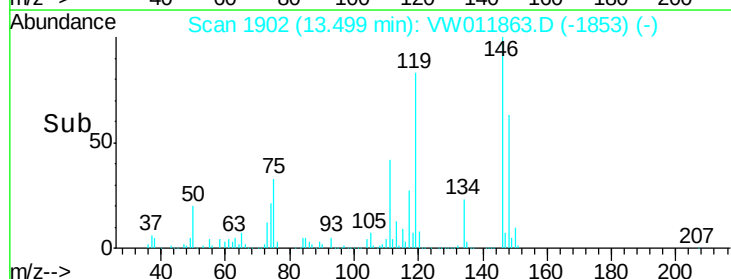
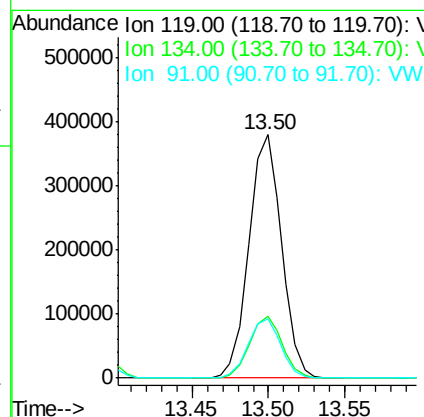
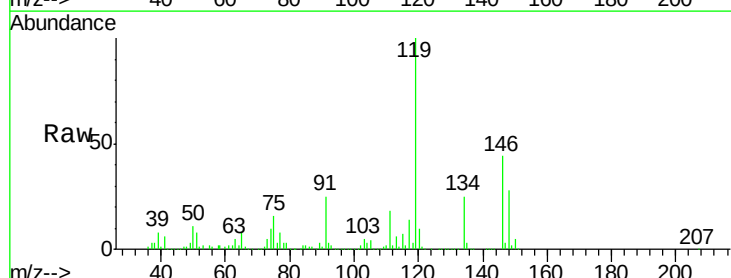
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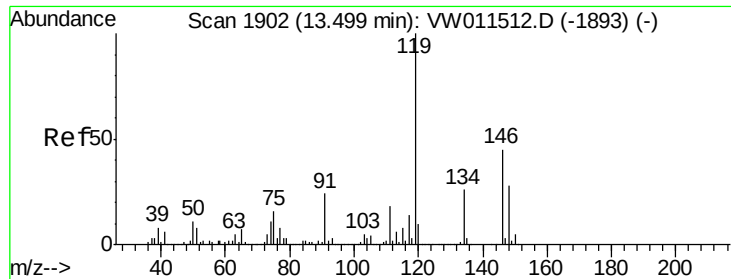
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#86
 p-Isopropyltoluene
 Concen: 53.837 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.8	38.4
91	24.5	12.1	36.3





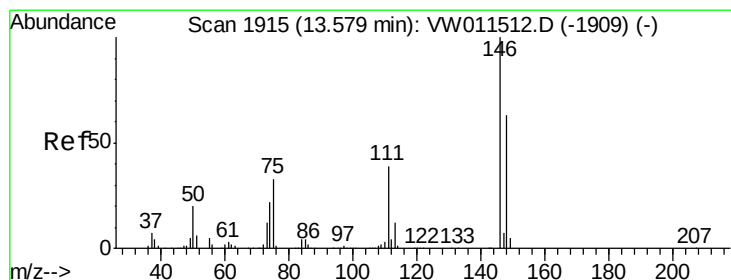
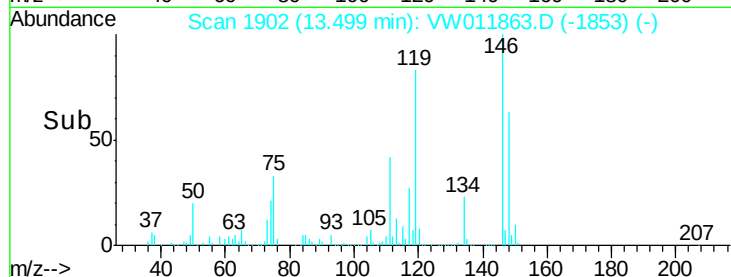
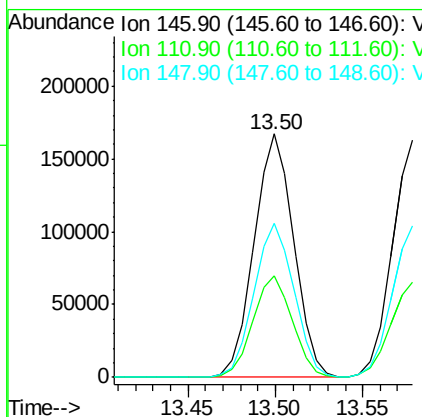
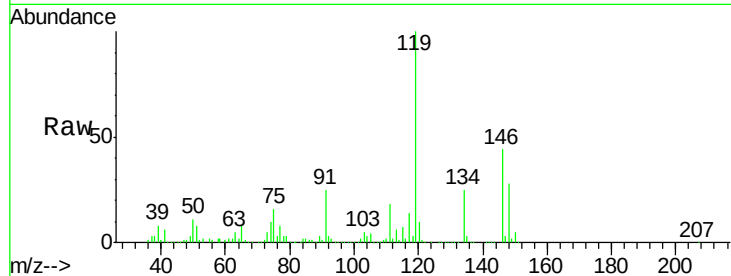
#87
 1,3-Dichlorobenzene
 Concen: 52.772 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	262579		
111	41.5	20.5	61.6	
148	63.8	31.8	95.3	

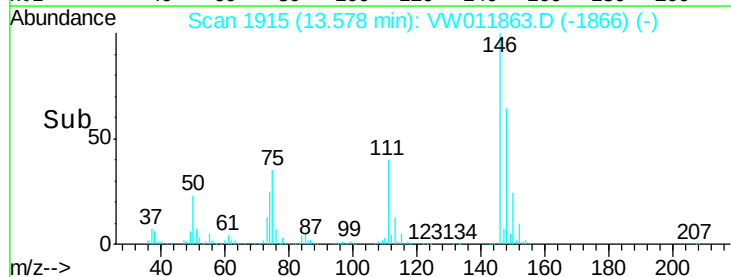
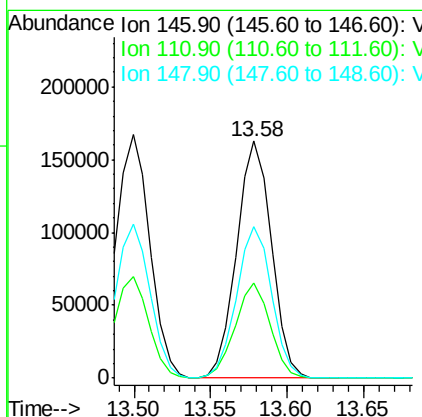
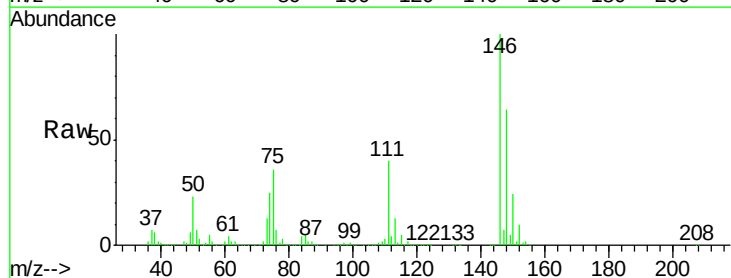
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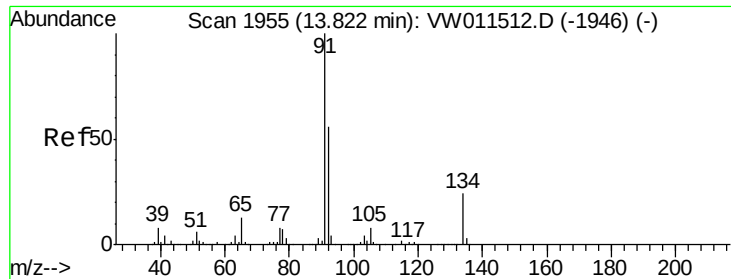
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#88
 1,4-Dichlorobenzene
 Concen: 51.990 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	257331		
111	40.4	20.1	60.2	
148	64.3	31.9	95.9	





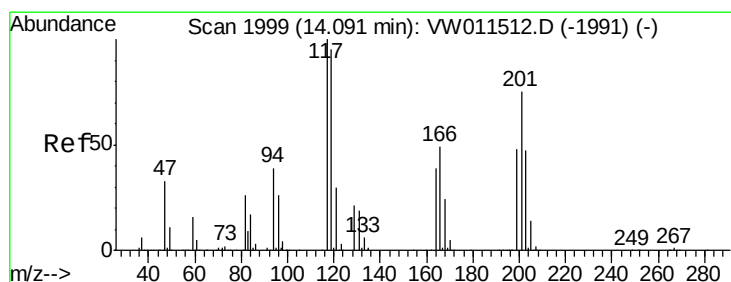
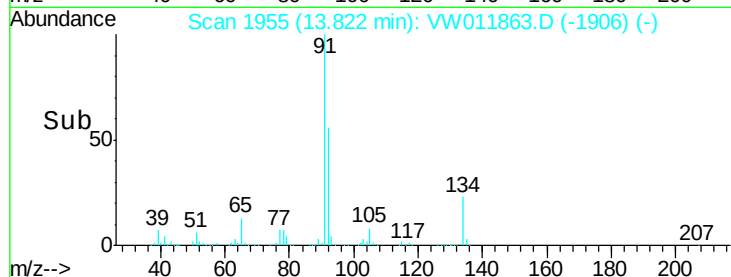
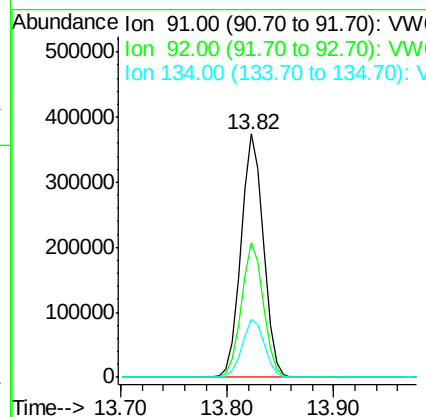
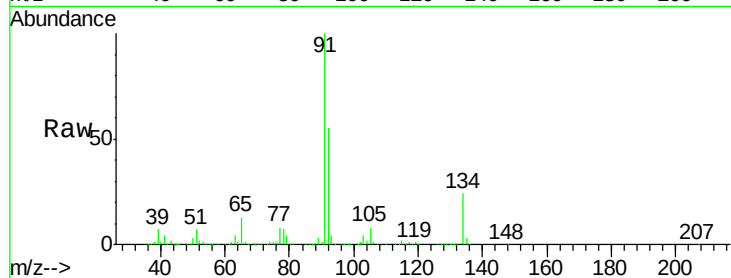
#89
n-Butylbenzene
Concen: 53.179 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	552931		
92	54.4		27.5	82.4
134	24.0		12.2	36.6

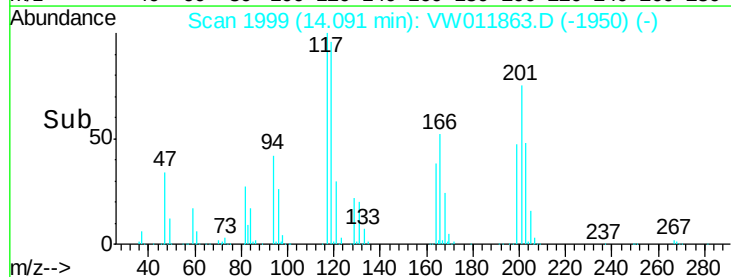
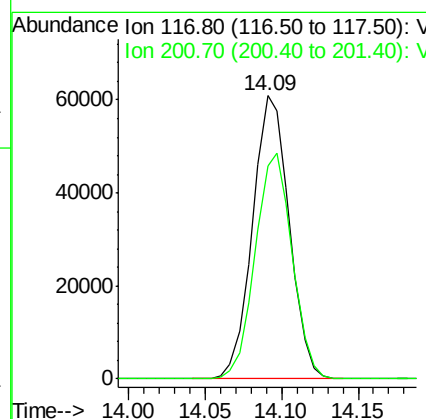
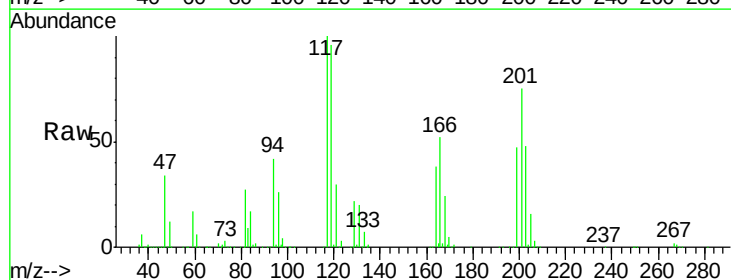
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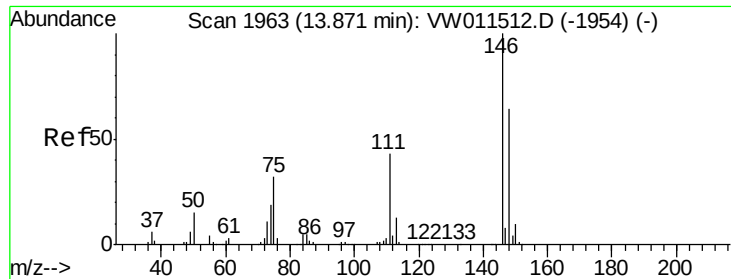
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#90
Hexachloroethane
Concen: 55.183 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	101666		
201	80.2		39.4	118.2





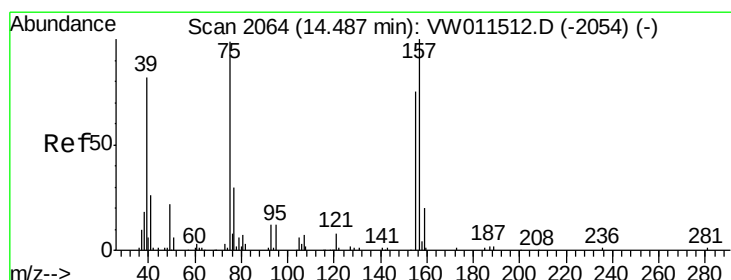
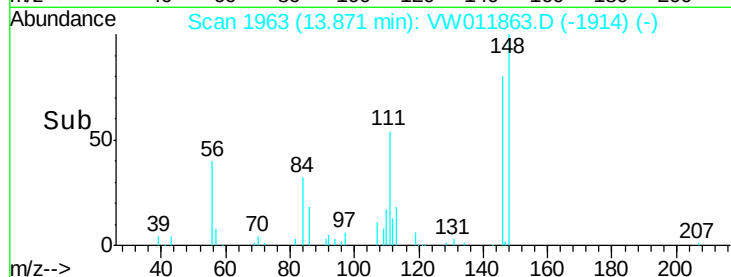
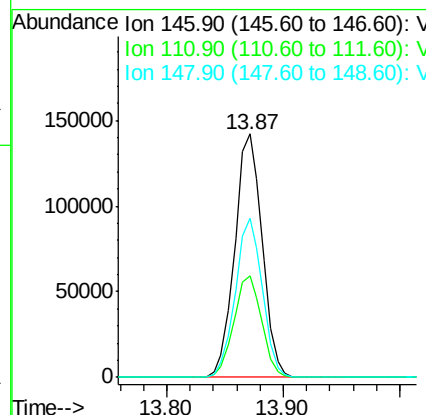
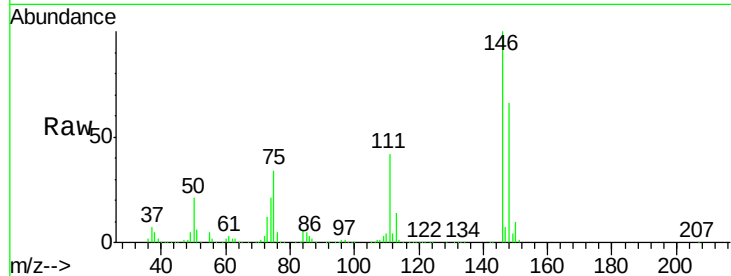
#91
 1,2-Dichlorobenzene
 Concen: 52.833 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	232504		
111	42.3	21.6	65.0	
148	64.4	32.0	96.2	

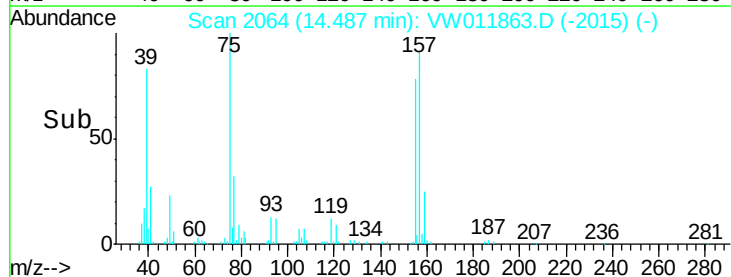
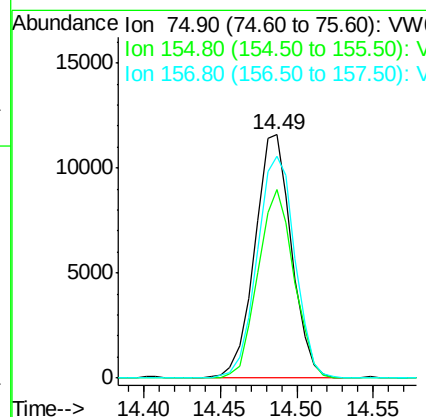
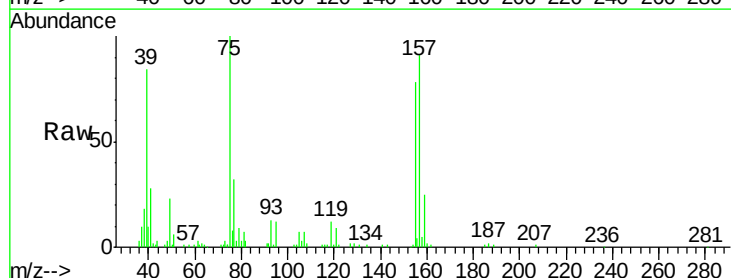
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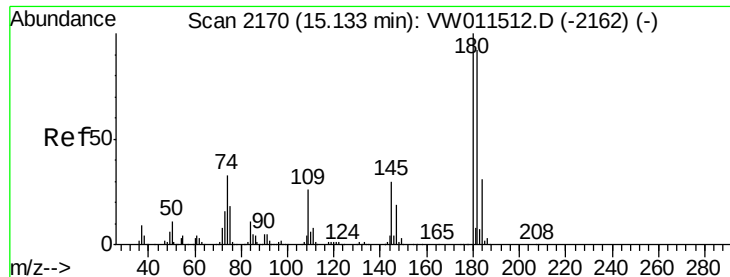
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.363 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011863.D
 Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19283		
155	76.3	38.2	114.6	
157	94.2	48.9	146.7	





#93

1,2,4-Trichlorobenzene

Concen: 52.006 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:180 Resp: 161298

Ion Ratio Lower Upper

180 100

182 95.1 47.4 142.2

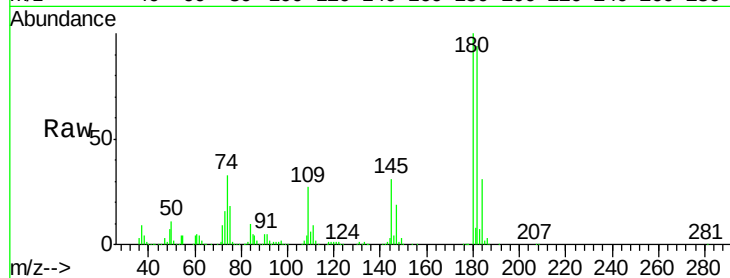
145 30.1 15.4 46.1

Manual Integrations

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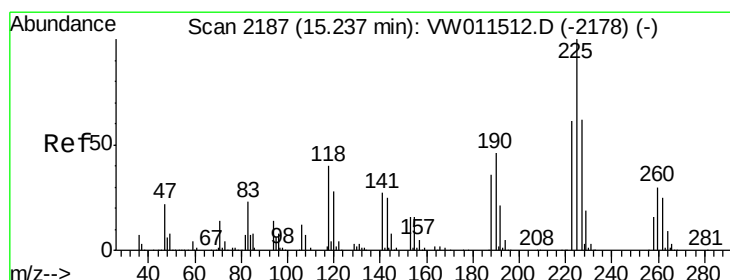
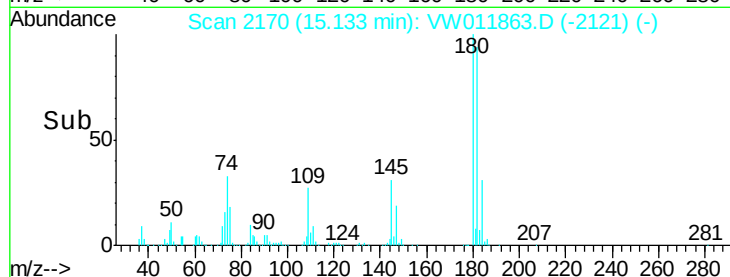
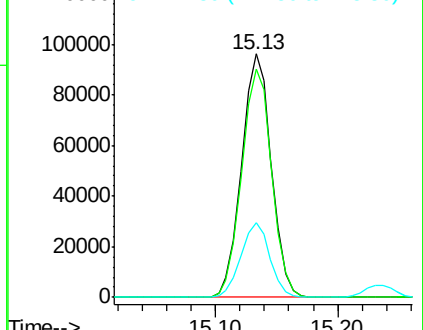
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Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 52.833 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VW011863.D

Acq: 12 Aug 2019 19:59

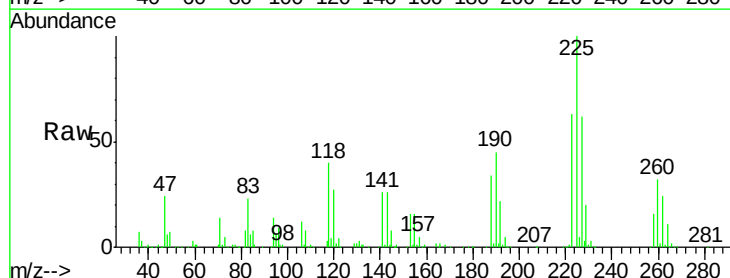
Tgt Ion:225 Resp: 102188

Ion Ratio Lower Upper

225 100

223 63.0 30.8 92.3

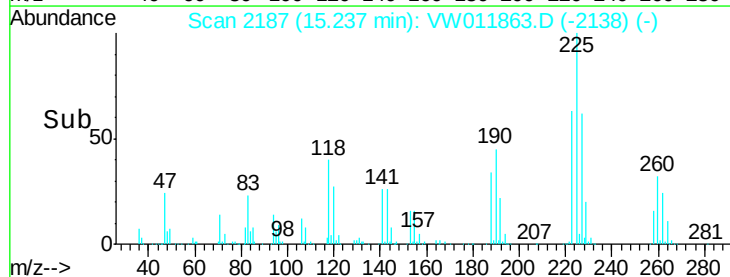
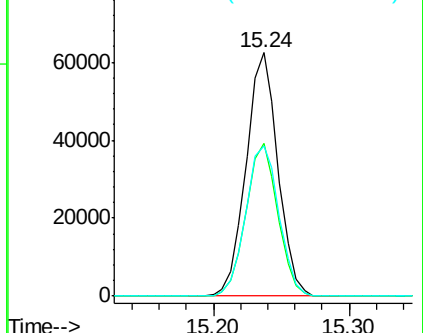
227 64.7 31.6 94.7

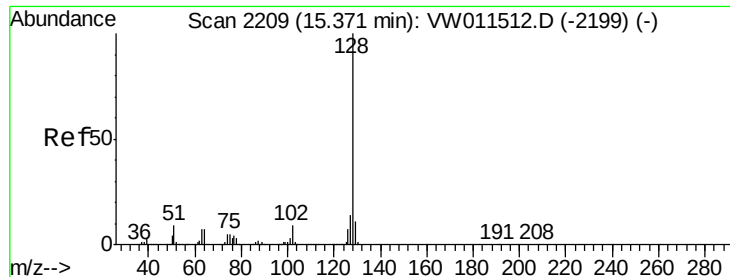


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





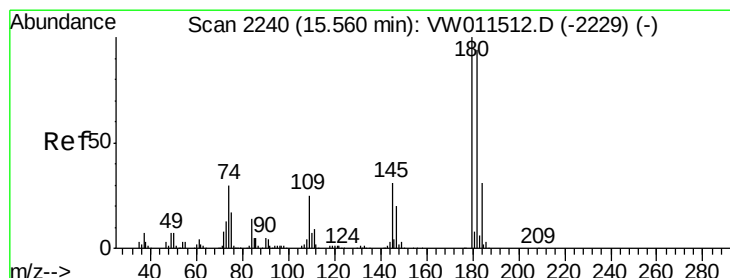
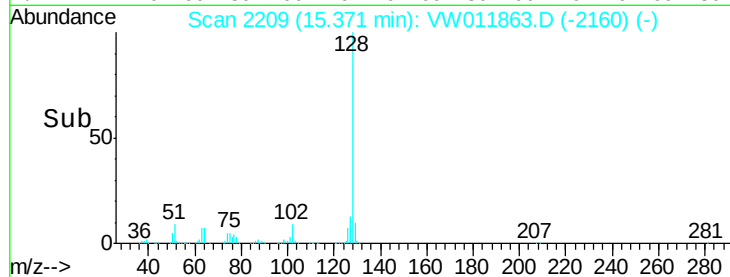
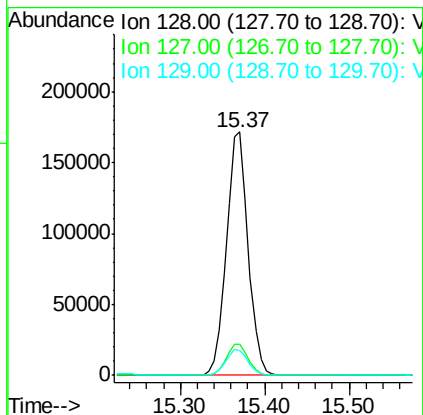
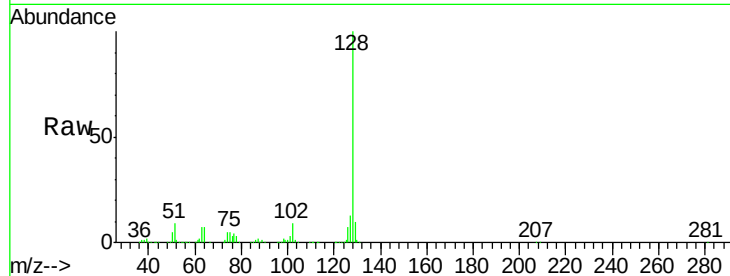
#95
Naphthalene
Concen: 49.473 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	300431		
127	13.1		10.6	16.0
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/13/2019 2:43:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.940 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011863.D
Acq: 12 Aug 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	143925		
182	94.4		47.4	142.2
145	31.6		15.9	47.7

