

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090119\
 Data File : VW012438.D
 Acq On : 01 Sep 2019 10:34
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:44:15 AM

Quant Time: Sep 02 07:33:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	376377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155571	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	134057	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
35) Dibromofluoromethane	7.88	113	107706	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	10.32	98	429533	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
62) 4-Bromofluorobenzene	12.62	95	149472	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	76706	50.770	ug/l	100
3) Chloromethane	2.21	50	121163	51.763	ug/l	100
4) Vinyl Chloride	2.36	62	153730	53.658	ug/l	99
5) Bromomethane	2.78	94	80621	55.564	ug/l	98
6) Chloroethane	2.92	64	88599	54.820	ug/l	96
7) Trichlorofluoromethane	3.26	101	93799	65.202	ug/l	100
8) Diethyl Ether	3.68	74	63285	46.346	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	128018	52.353	ug/l	97
10) Methyl Iodide	4.27	142	172188	52.043	ug/l	98
11) Tert butyl alcohol	5.15	59	39982	227.770	ug/l	99
12) 1,1-Dichloroethene	4.04	96	124178	50.454	ug/l	94
13) Acrolein	3.89	56	32731	198.086	ug/l	98
14) Allyl chloride	4.67	41	274207	52.114	ug/l	99
15) Acrylonitrile	5.36	53	155290	229.440	ug/l	99
16) Acetone	4.12	43	189912	254.705	ug/l	97
17) Carbon Disulfide	4.38	76	373509	50.215	ug/l	100
18) Methyl Acetate	4.66	43	81296	44.021	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	202072	50.770	ug/l	98
20) Methylene Chloride	4.91	84	130914	46.444	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	132492	50.200	ug/l	99
22) Diisopropyl ether	6.31	45	493543	50.604	ug/l	98
23) Vinyl Acetate	6.25	43	1468196	244.611	ug/l	99
24) 1,1-Dichloroethane	6.21	63	272018	51.224	ug/l	99
25) 2-Butanone	7.17	43	234031	230.980	ug/l	98
26) 2,2-Dichloropropane	7.17	77	170849	56.841	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	142628	50.580	ug/l	98
28) Bromochloromethane	7.51	49	96923	41.876	ug/l	98
29) Tetrahydrofuran	7.52	42	138423	227.714	ug/l	100
30) Chloroform	7.67	83	250653	51.591	ug/l	97
31) Cyclohexane	7.95	56	250554	47.689	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	212096	55.184	ug/l	99
36) 1,1-Dichloropropene	8.08	75	211031	54.258	ug/l	99
37) Ethyl Acetate	7.25	43	97764	45.870	ug/l	100
38) Carbon Tetrachloride	8.07	117	193469	57.471	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	229105	52.433	ug/l	97
40) Benzene	8.32	78	552707	52.042	ug/l	100
41) Methacrylonitrile	7.48	41	63658	50.818	ug/l	96
42) 1,2-Dichloroethane	8.40	62	178024	53.485	ug/l	98
43) Isopropyl Acetate	8.42	43	186899	47.341	ug/l	99
44) Trichloroethene	9.09	130	138801	53.762	ug/l	97
45) 1,2-Dichloropropane	9.37	63	146249	51.167	ug/l	99
46) Dibromomethane	9.46	93	63504	49.935	ug/l	99
47) Bromodichloromethane	9.64	83	180868	53.439	ug/l	99
48) Methyl methacrylate	9.43	41	92206	49.072	ug/l	98
49) 1,4-Dioxane	9.45	88	17625	905.304	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	477614	237.852	ug/l	99
52) Toluene	10.38	92	338520	53.059	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	183836	53.322	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	217550	52.260	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	89030	49.480	ug/l	97
56) Ethyl methacrylate	10.65	69	130262	49.742	ug/l	100
57) 1,3-Dichloropropane	10.93	76	170630	50.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	313060	232.931	ug/l	100
59) 2-Hexanone	10.97	43	347795	244.786	ug/l	99
60) Dibromochloromethane	11.13	129	105361	52.572	ug/l	100
61) 1,2-Dibromoethane	11.23	107	82062	48.954	ug/l	100
64) Tetrachloroethene	10.86	164	113904	54.241	ug/l	98
65) Chlorobenzene	11.66	112	330782	51.863	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	120549	54.179	ug/l	99
67) Ethyl Benzene	11.73	91	665536	54.170	ug/l	98
68) m/p-Xylenes	11.84	106	480081	108.479	ug/l	99
69) o-Xylene	12.16	106	218222	53.277	ug/l	98
70) Styrene	12.18	104	381107	53.755	ug/l	99
71) Bromoform	12.35	173	57908	52.237	ug/l #	99
73) Isopropylbenzene	12.46	105	635902	54.550	ug/l	99
74) N-amyl acetate	12.27	43	174646	49.588	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	101449	47.470	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	71486m	47.181	ug/l	
77) Bromobenzene	12.74	156	132870	52.686	ug/l	97
78) n-propylbenzene	12.80	91	780857	54.870	ug/l	99
79) 2-Chlorotoluene	12.89	91	431075	53.354	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	536970	55.126	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	33661	48.710	ug/l	94
82) 4-Chlorotoluene	12.99	91	453886	53.651	ug/l	100
83) tert-Butylbenzene	13.21	119	463702	56.198	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	536303	54.810	ug/l	99
85) sec-Butylbenzene	13.38	105	652465	55.194	ug/l	100
86) p-Isopropyltoluene	13.50	119	595054	56.365	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	263290	53.376	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	256781	52.427	ug/l	99
89) n-Butylbenzene	13.82	91	595827	56.754	ug/l	99
90) Hexachloroethane	14.09	117	103109	55.668	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	228313	52.761	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17808	49.428	ug/l	98

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QLast Update : Mon Aug 26 07:18:31 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	164586	55.037	ug/l	99
94) Hexachlorobutadiene	15.24	225	118555	60.041	ug/l	96
95) Naphthalene	15.37	128	273352	46.878	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	141691	54.307	ug/l	100

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

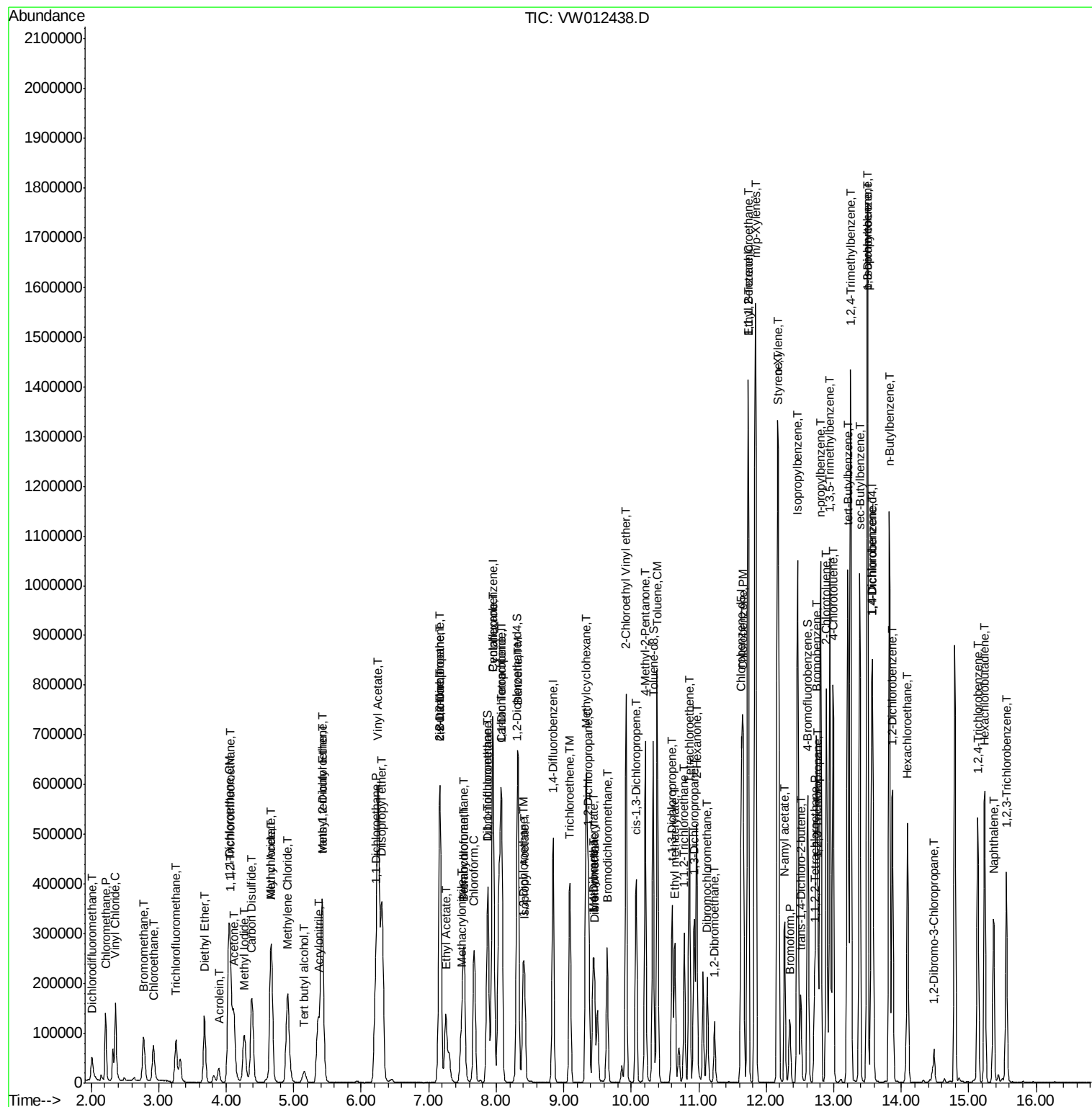
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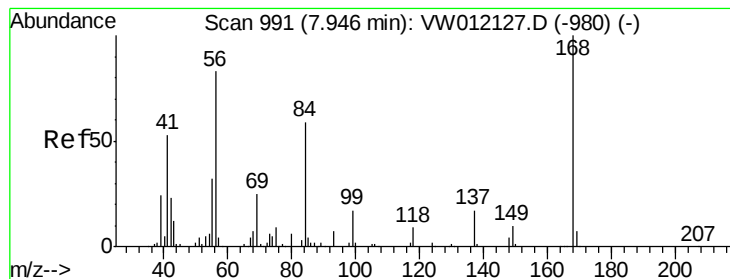
Instrument :
MSVOA_W
Client Sampled :
VSTDCCC050

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 245373

Ion Ratio Lower Upper

168 100

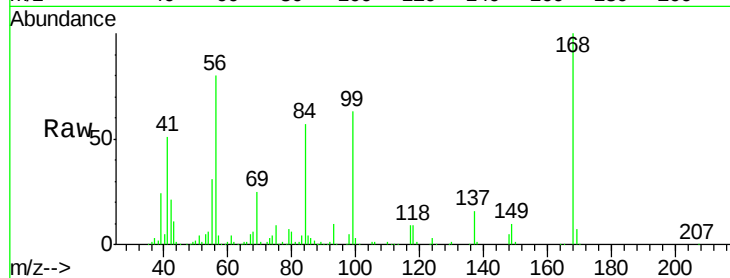
99 62.8 49.2 73.8

Manual Integrations

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9/3/2019 10:44:15 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

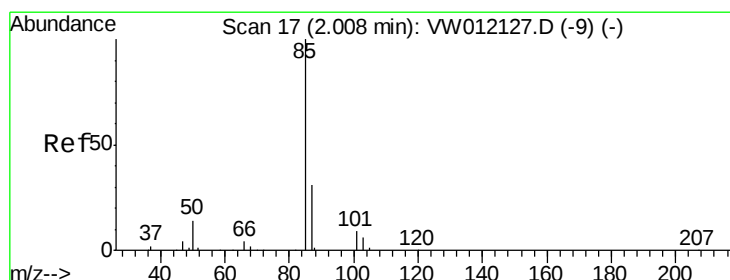
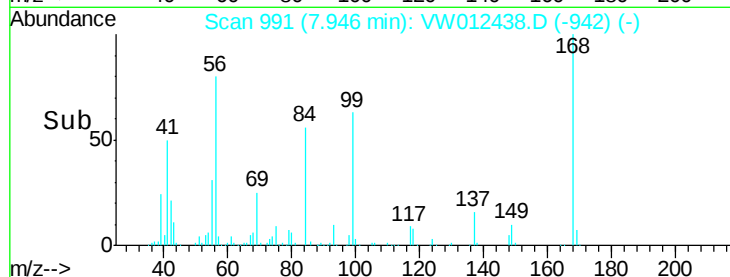
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.770 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012438.D

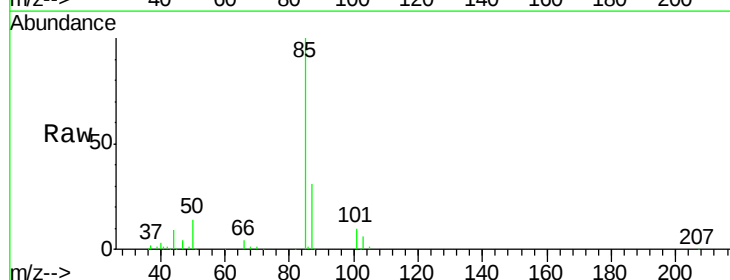
Acq: 01 Sep 2019 10:34

Tgt Ion: 85 Resp: 76706

Ion Ratio Lower Upper

85 100

87 31.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

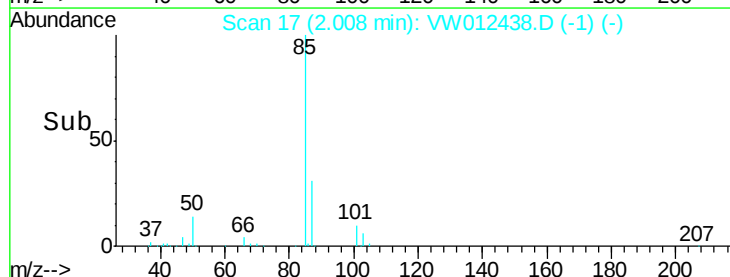
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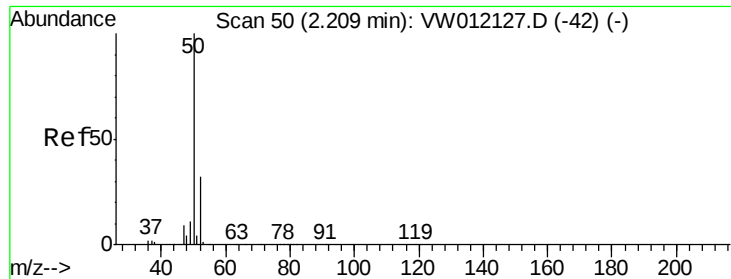
10000

5000

0

Time-->





#3

Chloromethane

Concen: 51.763 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 121163

Ion Ratio Lower Upper

50 100

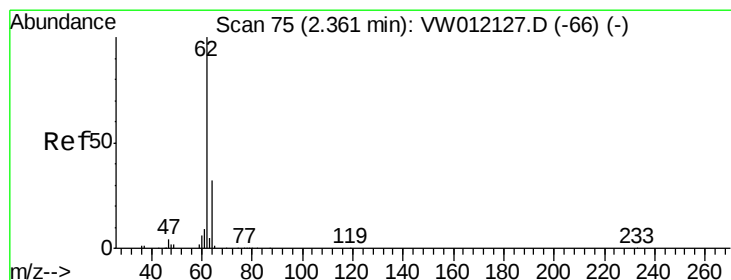
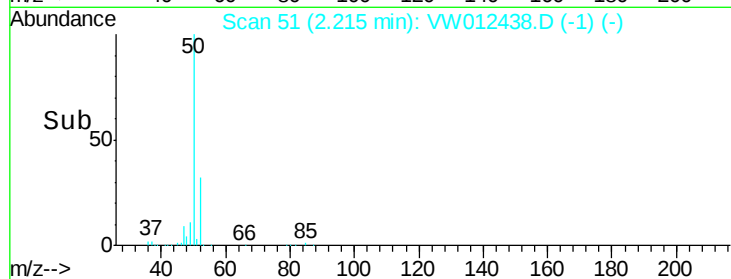
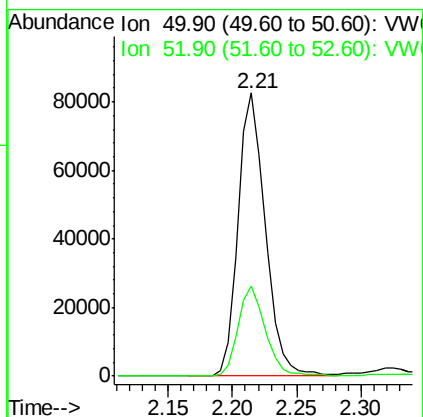
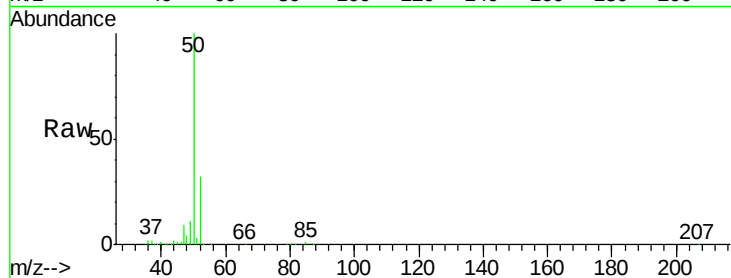
52 31.8 25.5 38.3

Manual Integrations

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9/3/2019 10:44:15 AM



#4

Vinyl Chloride

Concen: 53.658 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012438.D

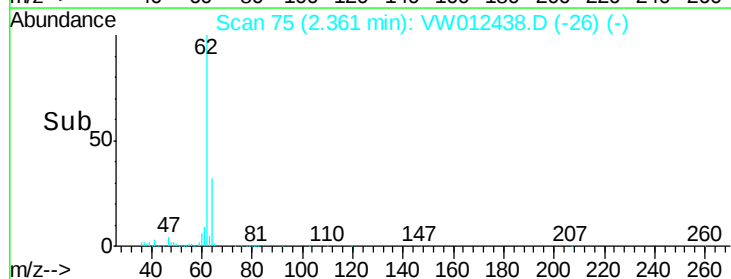
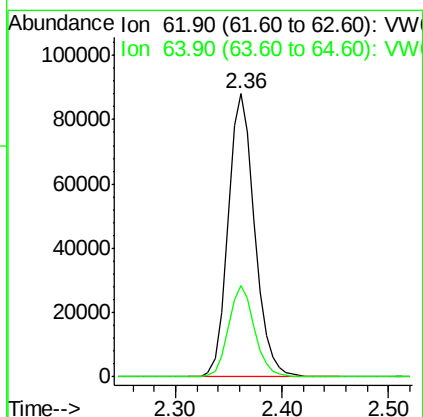
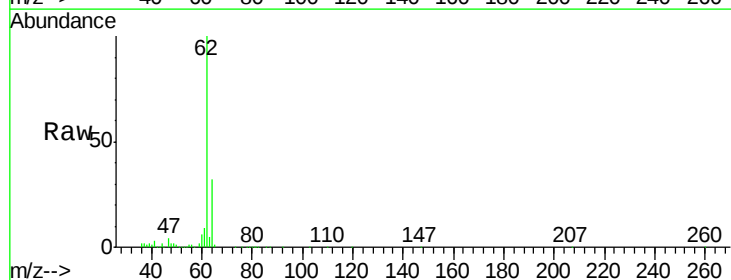
Acq: 01 Sep 2019 10:34

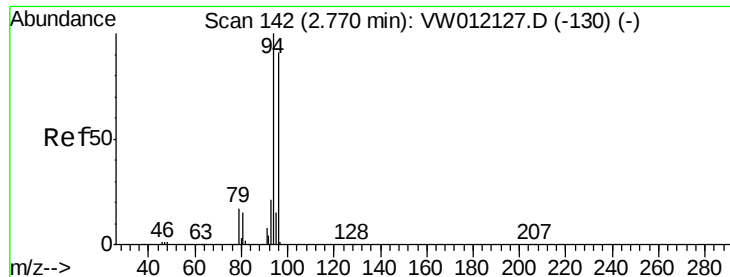
Tgt Ion: 62 Resp: 153730

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 55.564 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 80621

Ion Ratio Lower Upper

94 100

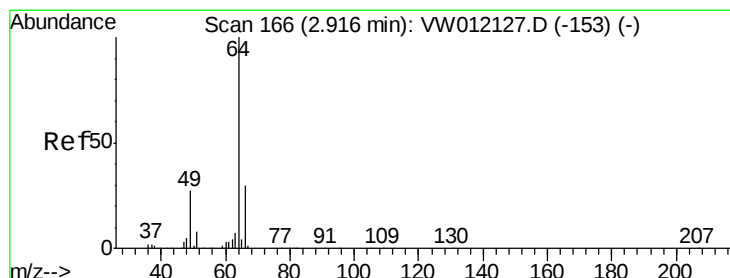
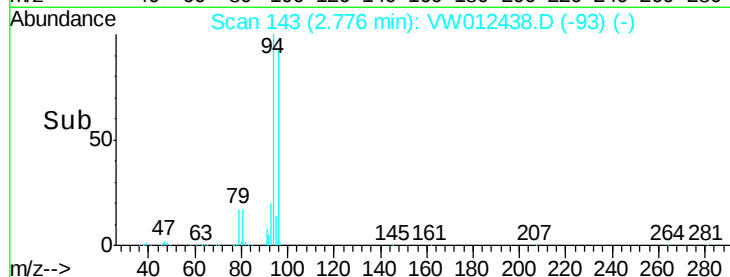
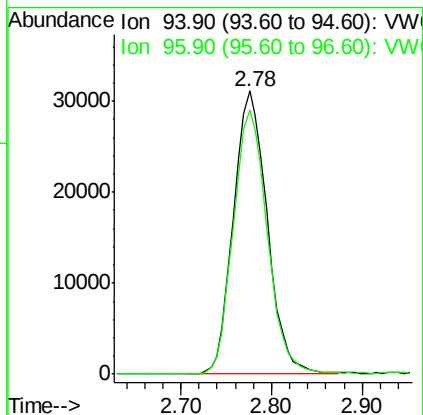
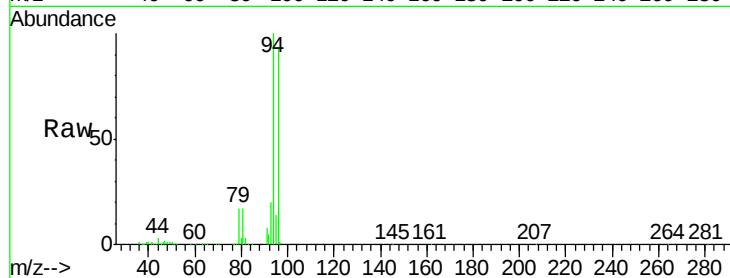
96 93.5 72.9 109.3

Manual Integrations

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9/3/2019 10:44:15 AM



#6

Chloroethane

Concen: 54.820 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012438.D

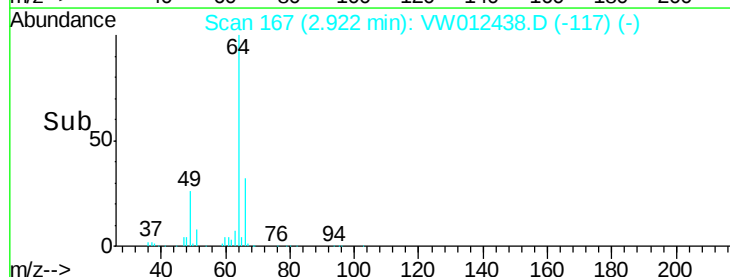
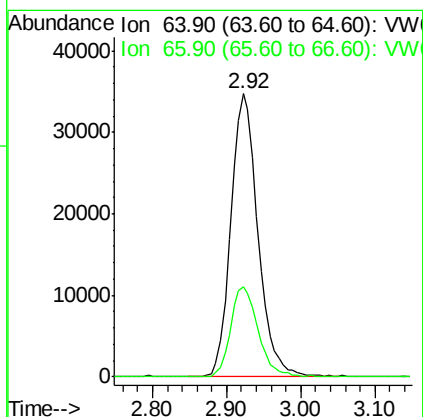
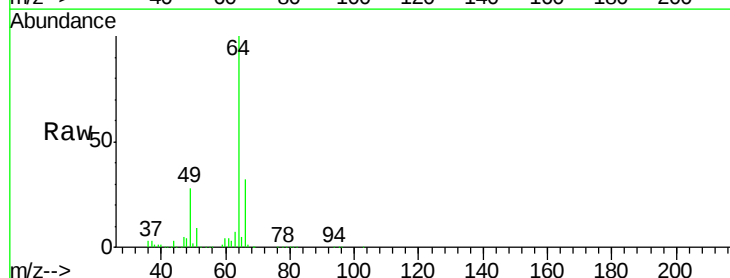
Acq: 01 Sep 2019 10:34

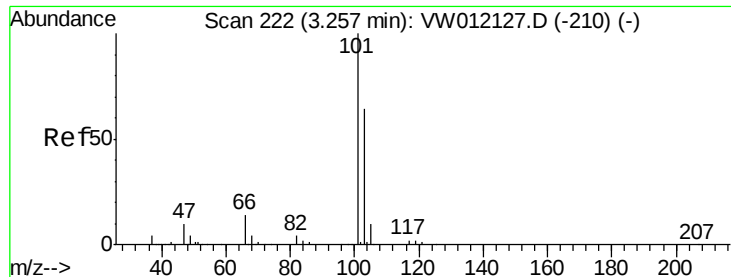
Tgt Ion: 64 Resp: 88599

Ion Ratio Lower Upper

64 100

66 31.9 23.8 35.8





#7

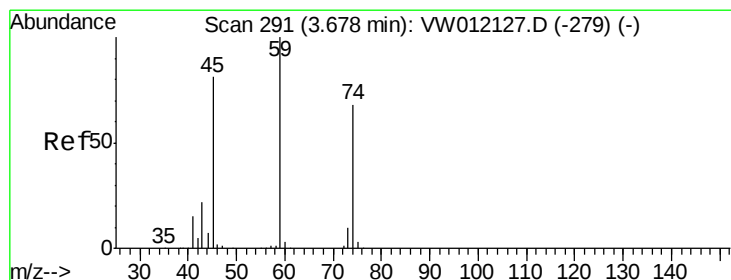
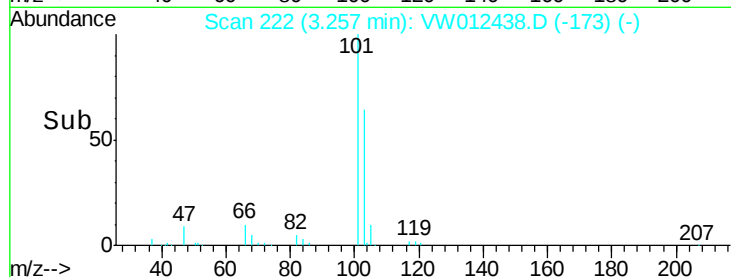
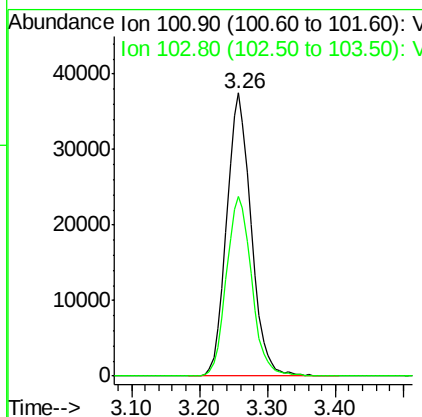
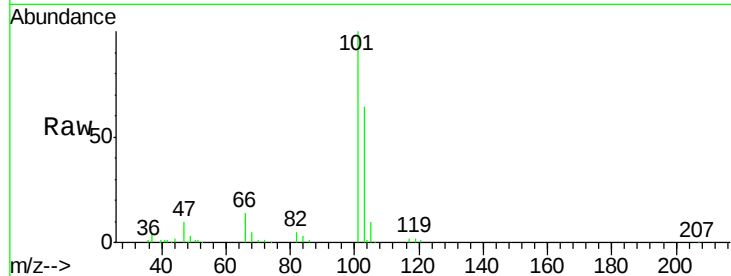
Trichlorofluoromethane
 Concen: 65.202 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.2	76.8

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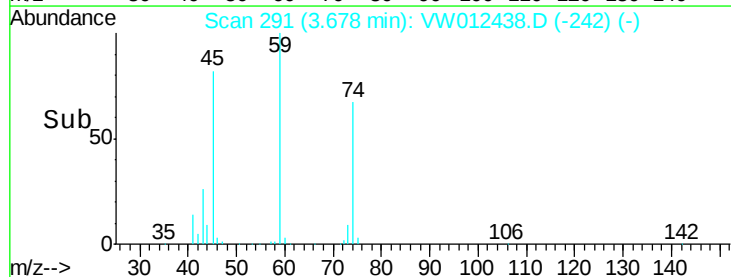
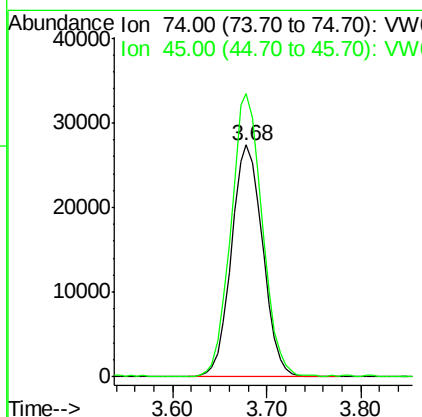
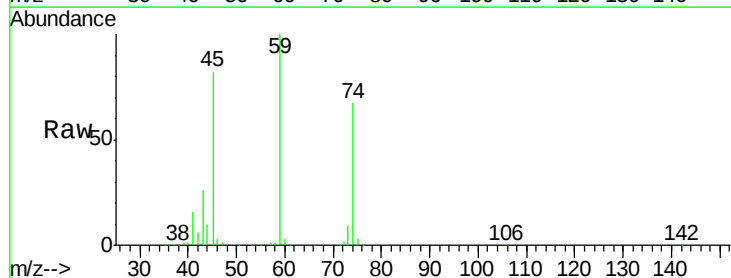
MMDadoda
 9/3/2019 10:44:15 AM

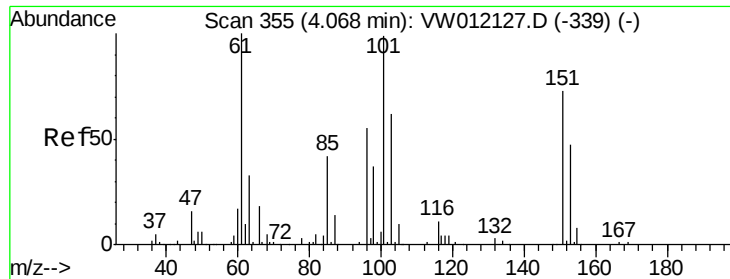


#8

Diethyl Ether
 Concen: 46.346 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.6	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.353 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

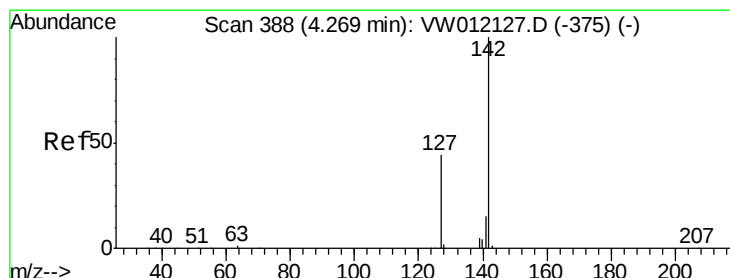
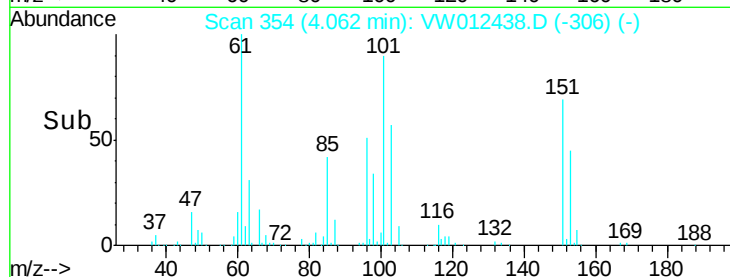
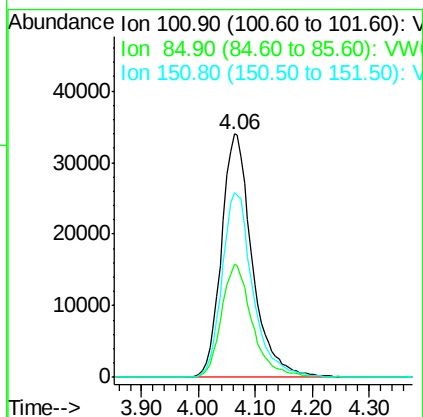
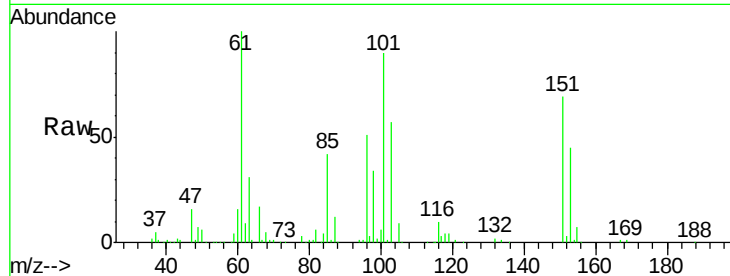
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	128018
Ion Ratio	Lower	Upper	
101	100		
85	46.8	35.8	53.6
151	75.9	58.6	87.8

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#10

Methyl Iodide

Concen: 52.043 ug/l

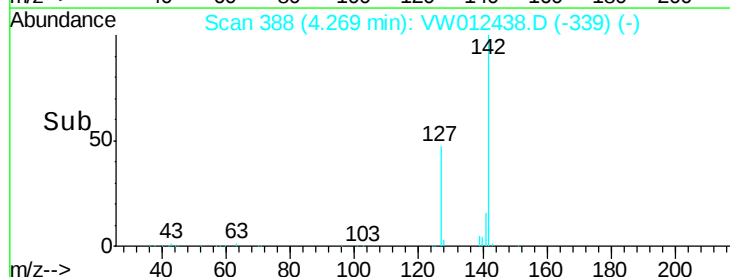
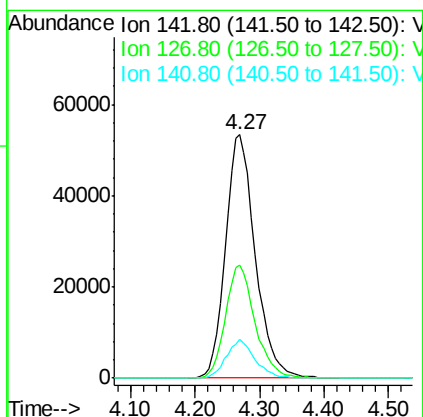
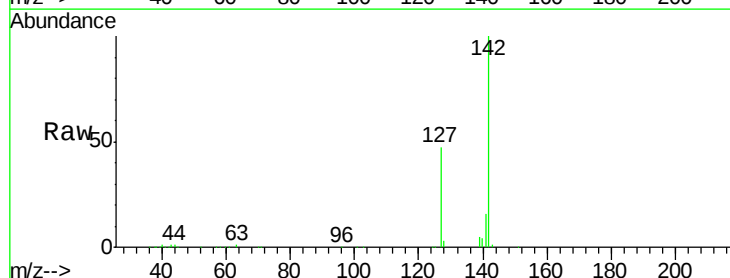
RT: 4.27 min Scan# 388

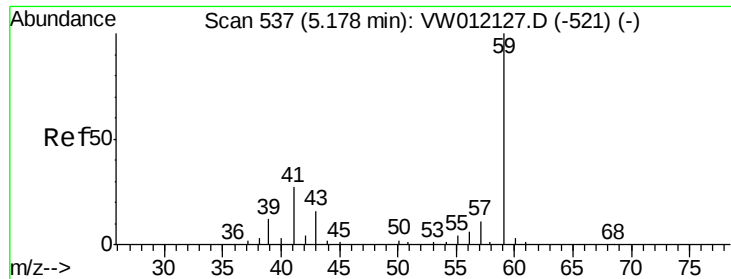
Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Tgt Ion:	142	Resp:	172188
Ion Ratio	Lower	Upper	
142	100		
127	46.2	35.5	53.3
141	15.2	11.8	17.8





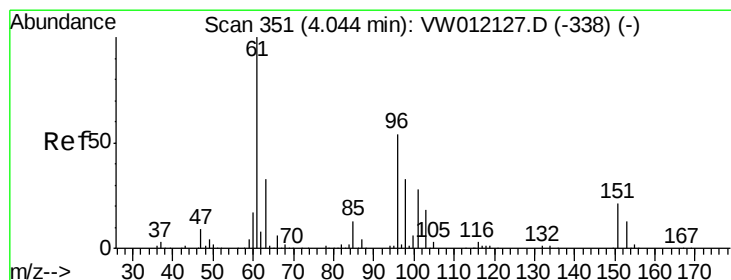
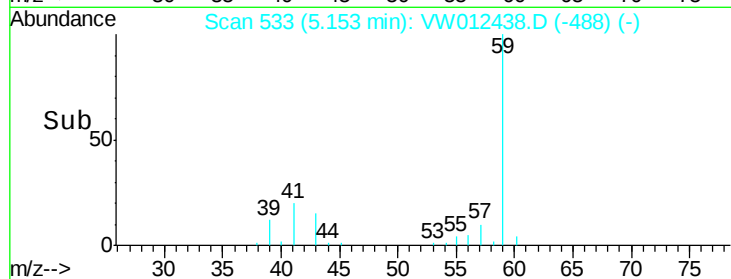
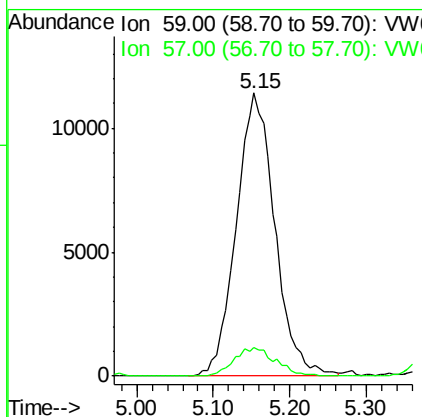
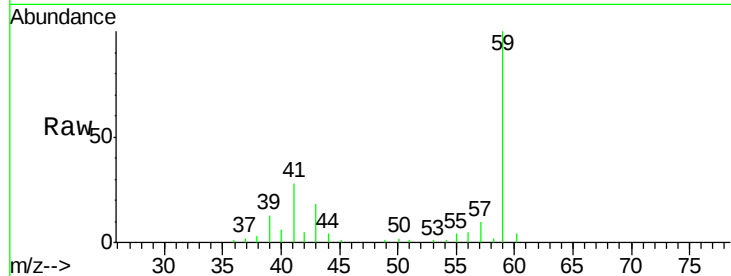
#11
Tert butyl alcohol
Concen: 227.770 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59.00 (58.70 to 59.70): VW	Resp	39982
Ion Ratio	Lower	Upper	
59	100		
57	10.8	9.0	13.4

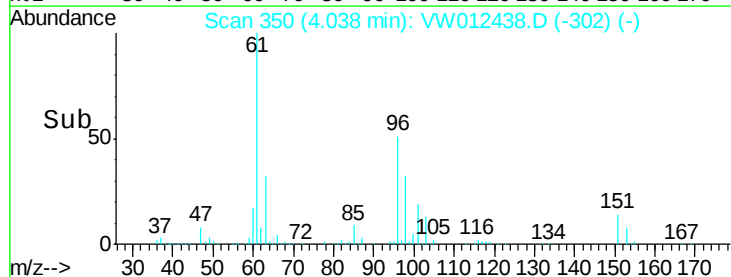
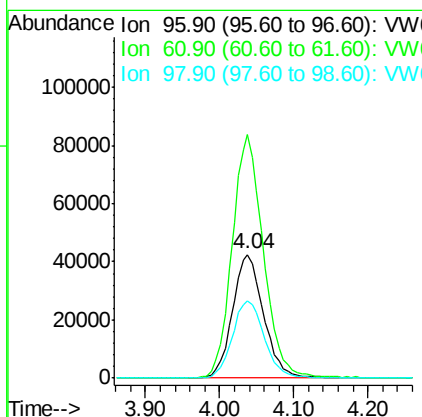
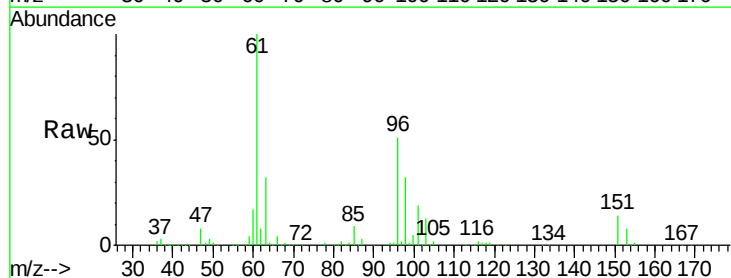
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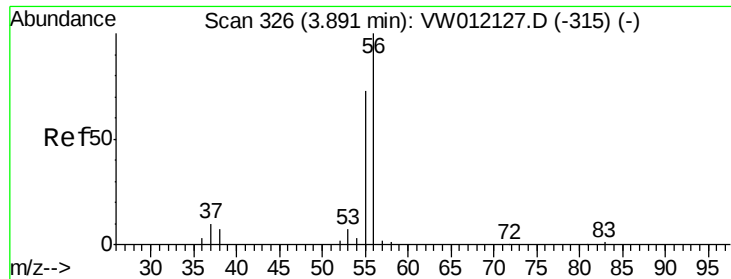
MMDadoda
9/3/2019 10:44:15 AM



#12
1,1-Dichloroethene
Concen: 50.454 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	96	Resp	124178
Ion Ratio	Lower	Upper	
96	100		
61	197.0	149.1	223.7
98	62.3	49.4	74.2





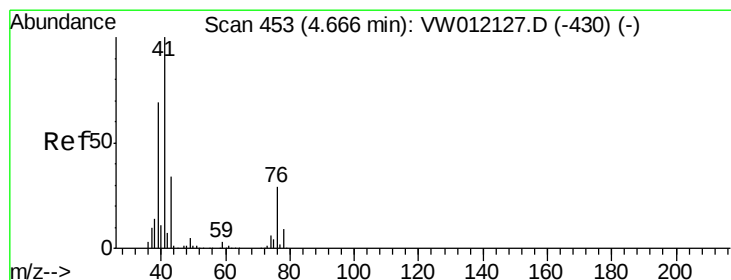
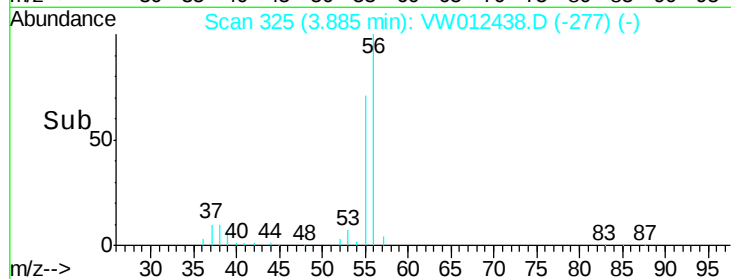
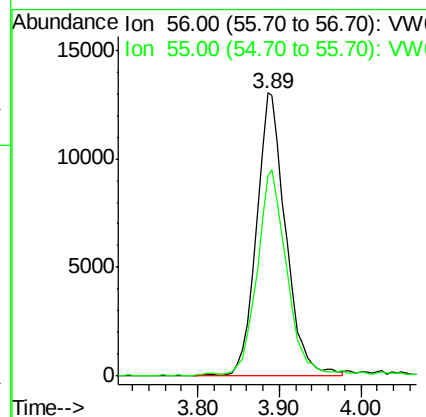
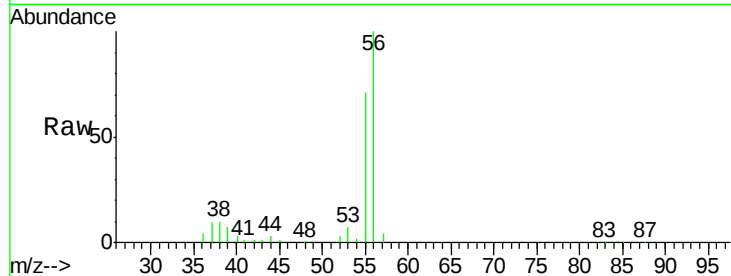
#13
Acrolein
Concen: 198.086 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	32731
Ion Ratio	100	Lower	Upper
55	71.5	55.8	83.8

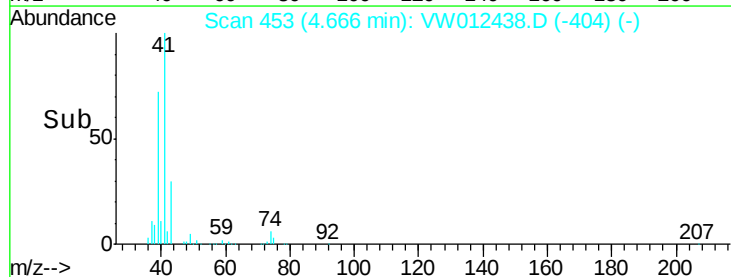
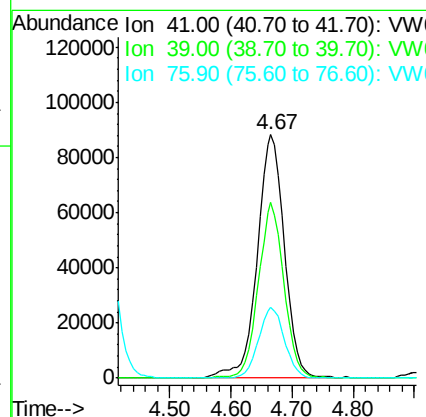
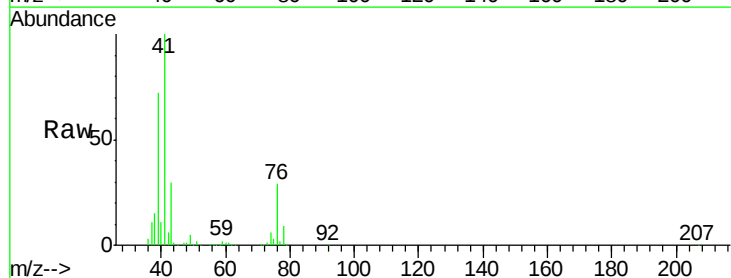
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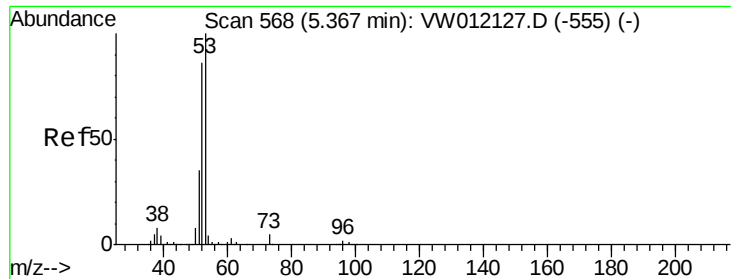
MMDadoda
9/3/2019 10:44:15 AM



#14
Allyl chloride
Concen: 52.114 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	41	Resp	274207
Ion Ratio	100	Lower	Upper
39	68.3	53.4	80.2
76	27.5	22.1	33.1





#15

Acrylonitrile

Concen: 229.440 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

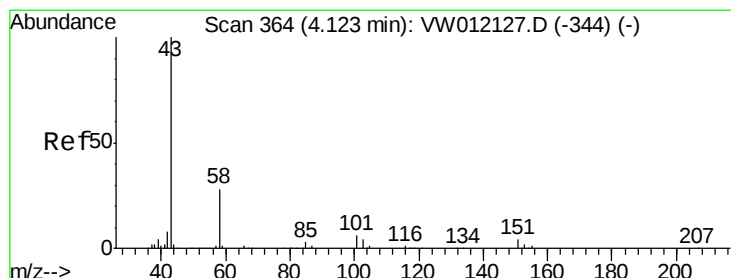
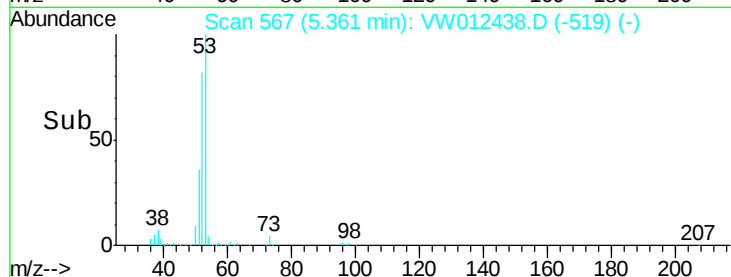
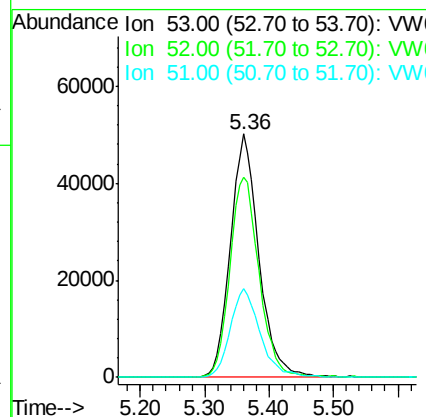
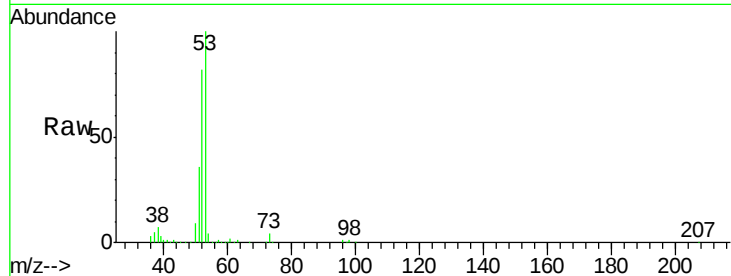
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	155290
Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.7	100.1
51	38.3	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 254.705 ug/l

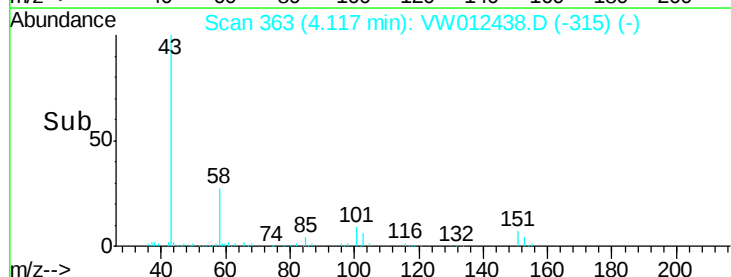
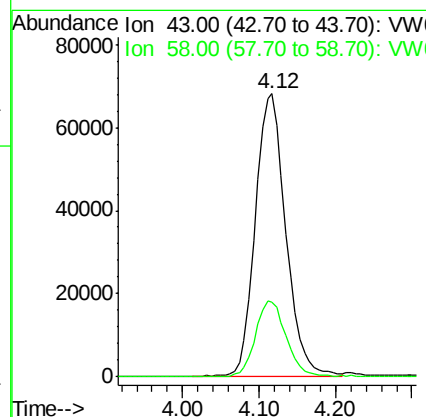
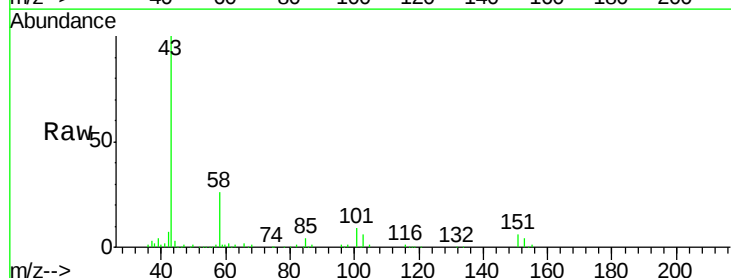
RT: 4.12 min Scan# 363

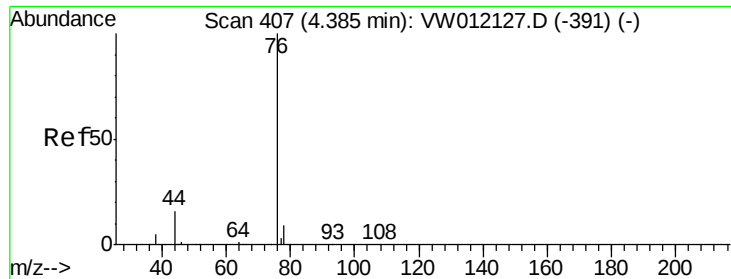
Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Tgt Ion:	43	Resp:	189912
Ion	Ratio	Lower	Upper
43	100		
58	26.3	22.4	33.6





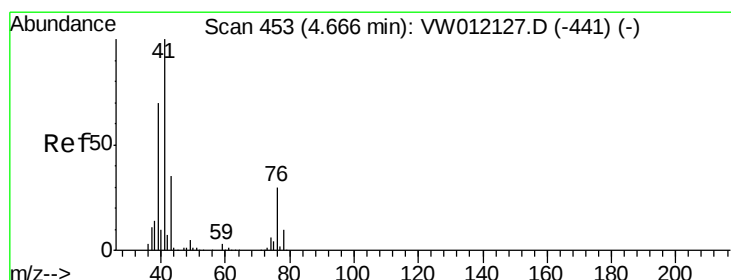
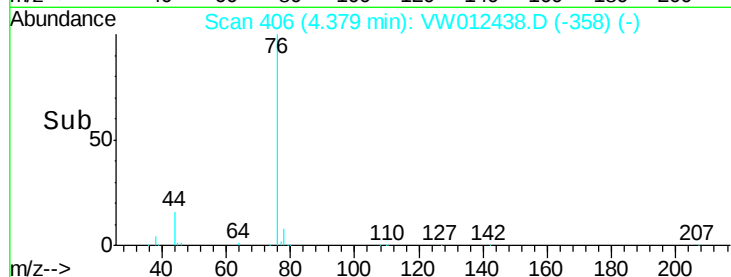
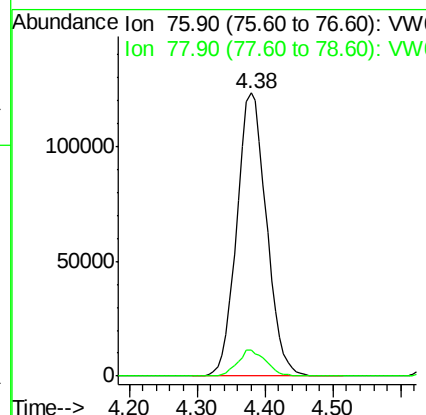
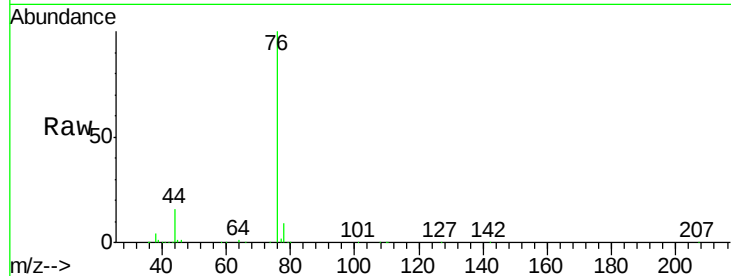
#17
Carbon Disulfide
Concen: 50.215 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

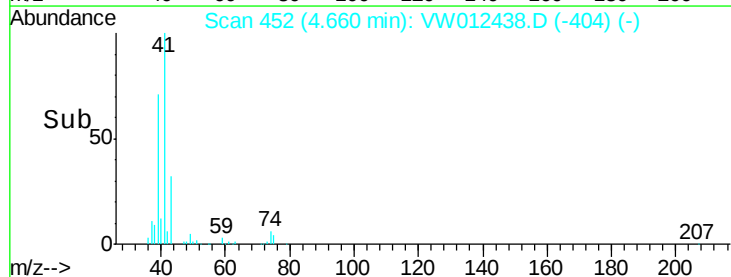
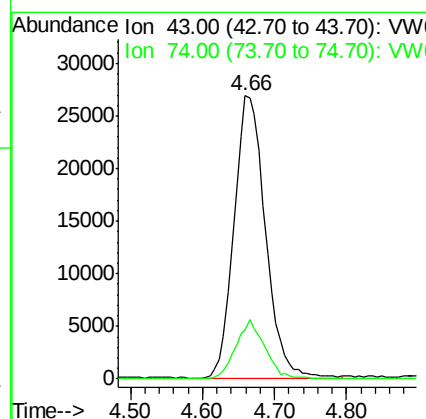
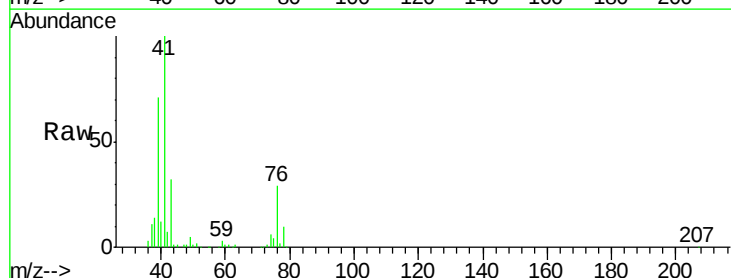
Manual Integrations
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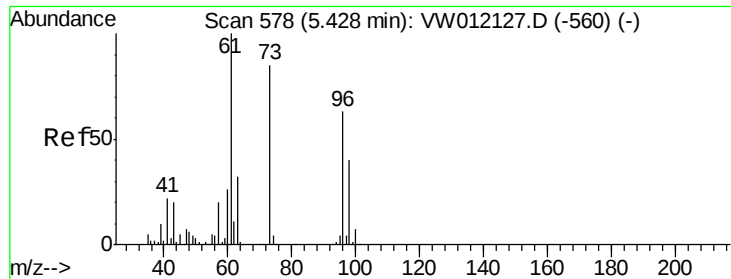
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#18
Methyl Acetate
Concen: 44.021 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.7	23.5





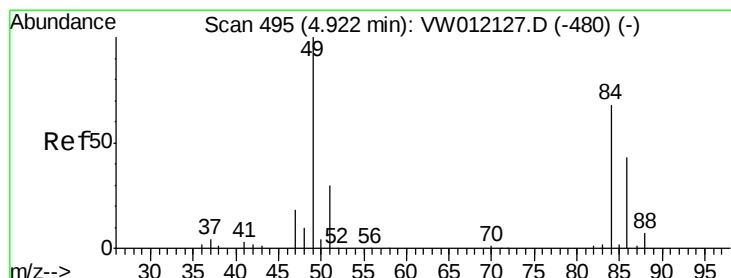
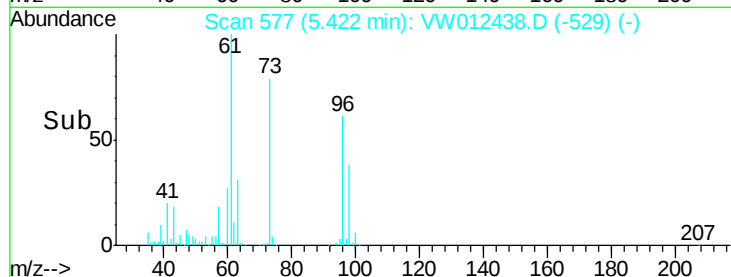
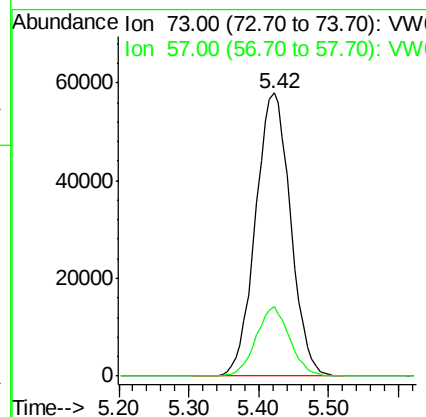
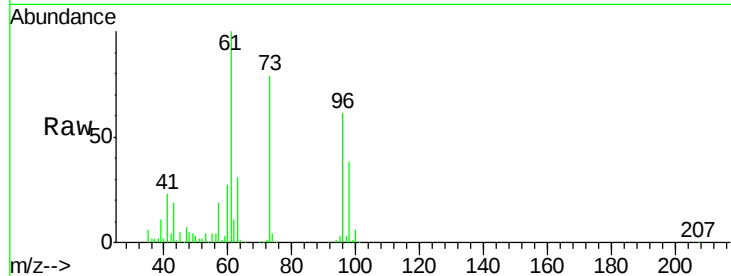
#19
Methyl tert-butyl Ether
Concen: 50.770 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 202072
Ion Ratio Lower Upper
73 100
57 24.7 18.9 28.3

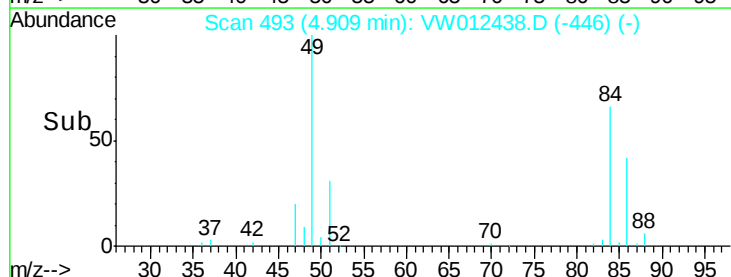
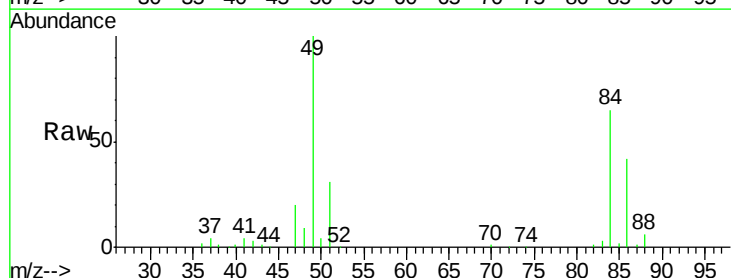
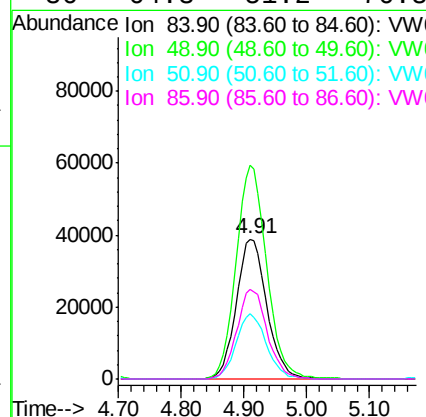
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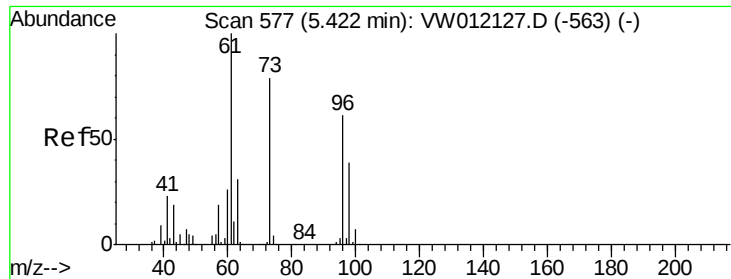
MMDadoda
9/3/2019 10:44:15 AM



#20
Methylene Chloride
Concen: 46.444 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion: 84 Resp: 130914
Ion Ratio Lower Upper
84 100
49 153.0 117.8 176.8
51 46.9 35.6 53.4
86 64.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 50.200 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

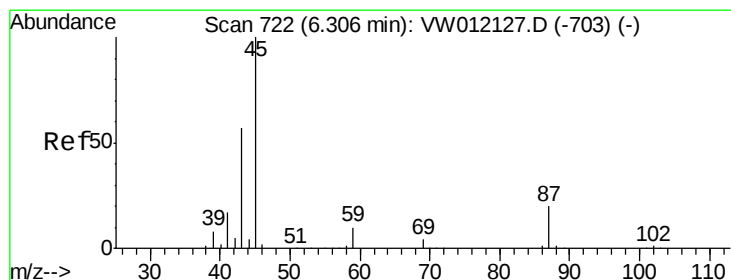
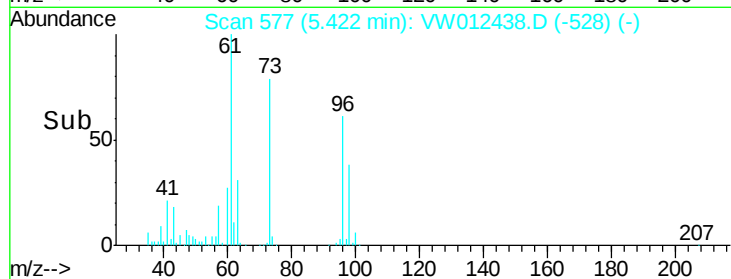
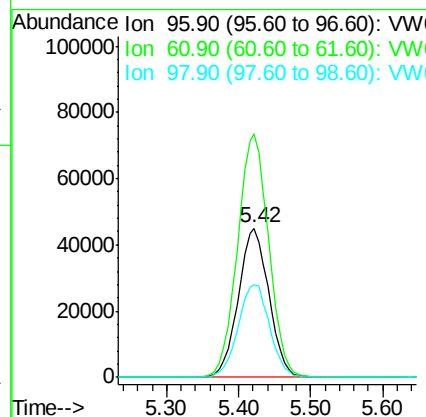
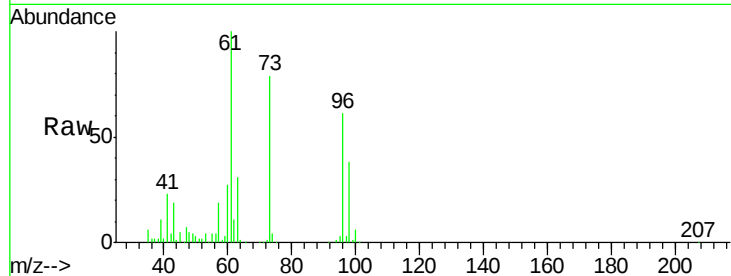
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	132492
Ion	Ratio	Lower	Upper
96	100		
61	163.2	131.4	197.0
98	62.5	51.4	77.0

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#22

Diisopropyl ether

Concen: 50.604 ug/l

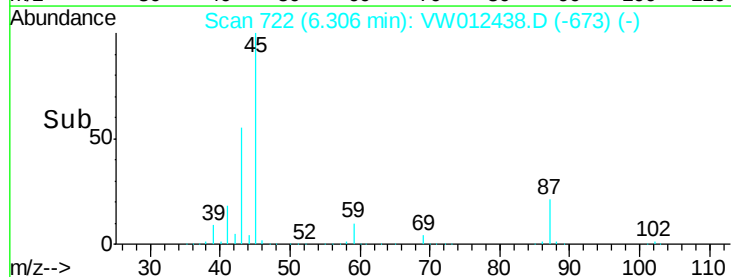
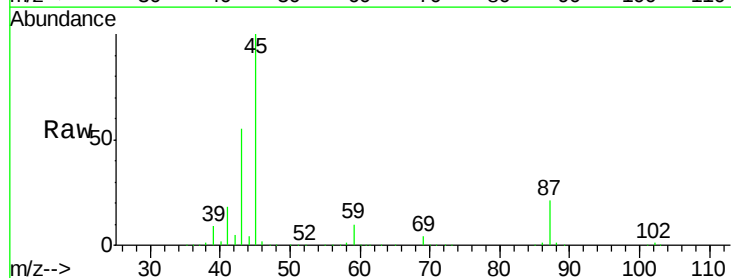
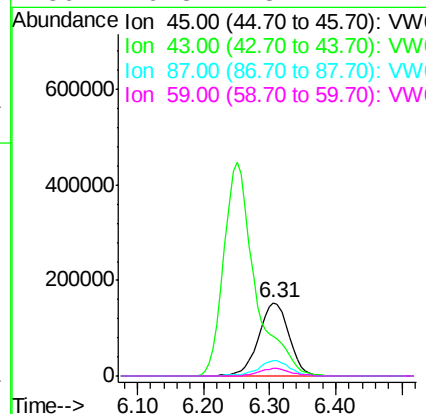
RT: 6.31 min Scan# 722

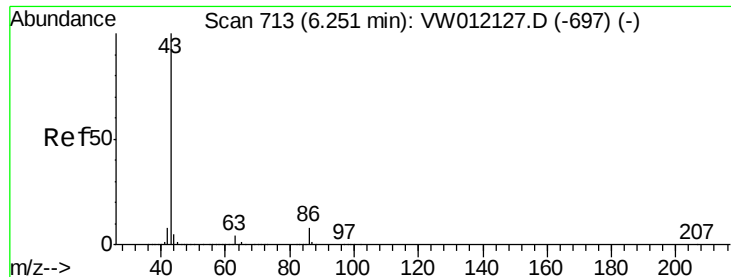
Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Tgt Ion:	45	Resp:	493543
Ion	Ratio	Lower	Upper
45	100		
43	54.8	45.5	68.3
87	21.1	16.1	24.1
59	10.3	8.2	12.2





#23

Vinyl Acetate

Concen: 244.611 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1468196

Ion Ratio Lower Upper

43 100

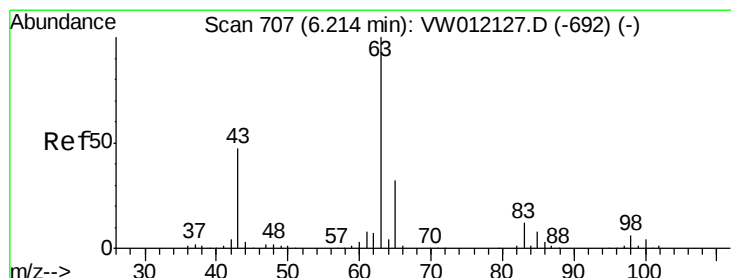
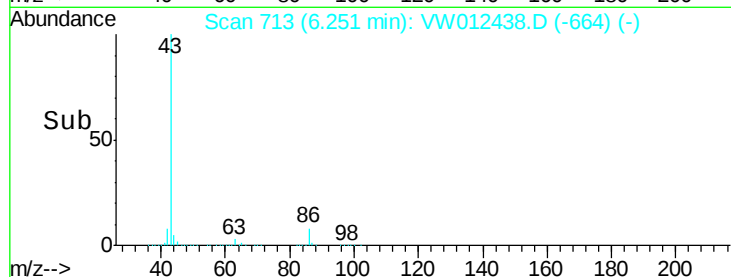
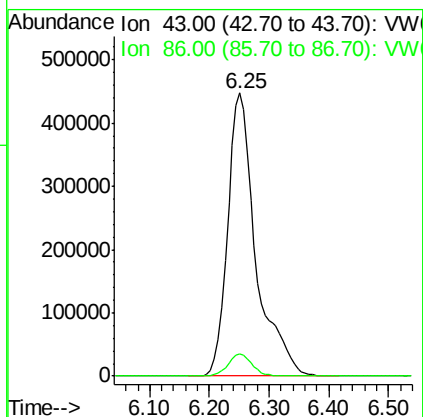
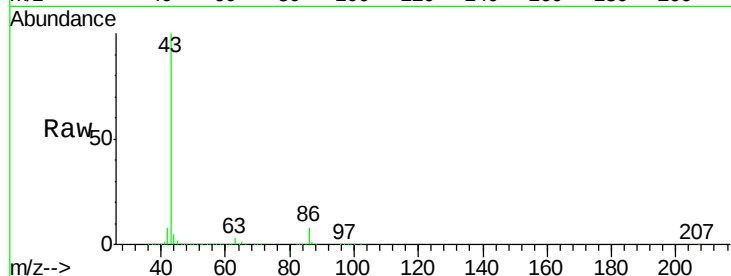
86 7.9 6.5 9.7

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 51.224 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

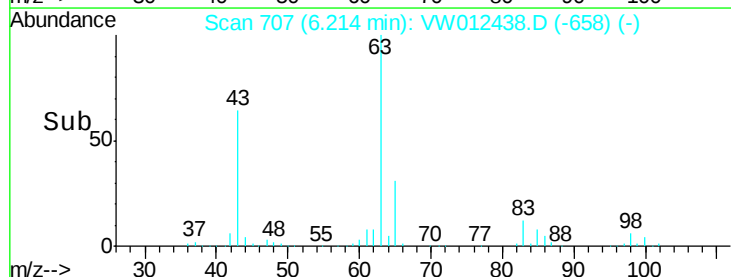
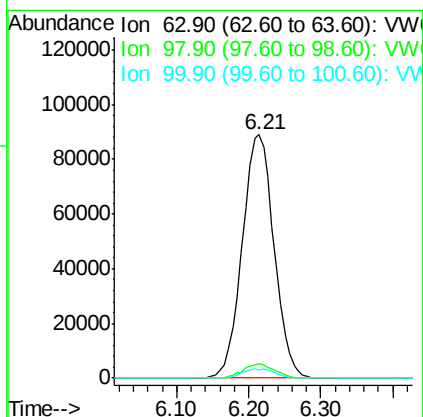
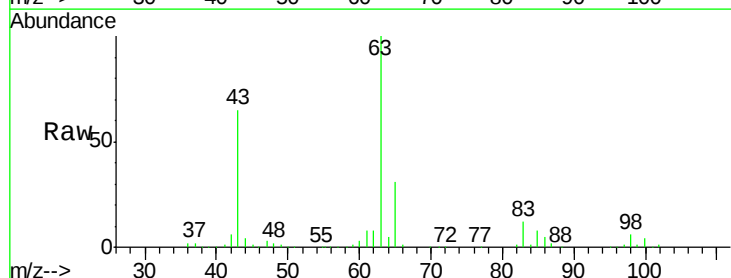
Tgt Ion: 63 Resp: 272018

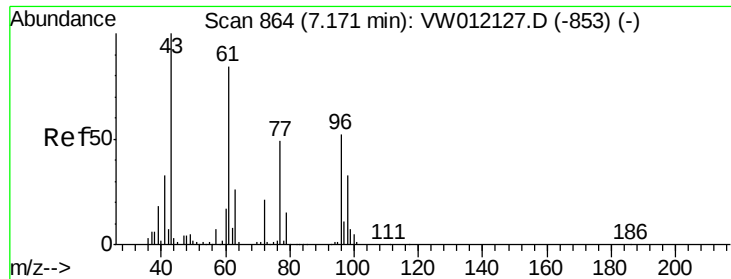
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 230.980 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 234031

Ion Ratio Lower Upper

43 100

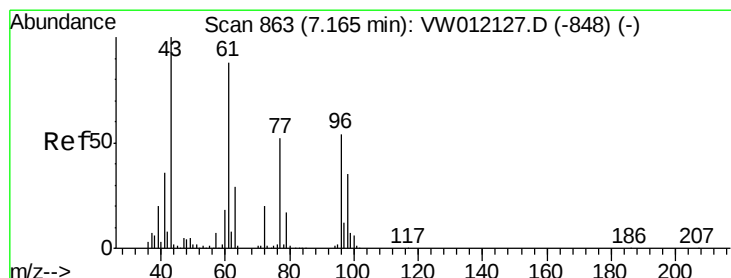
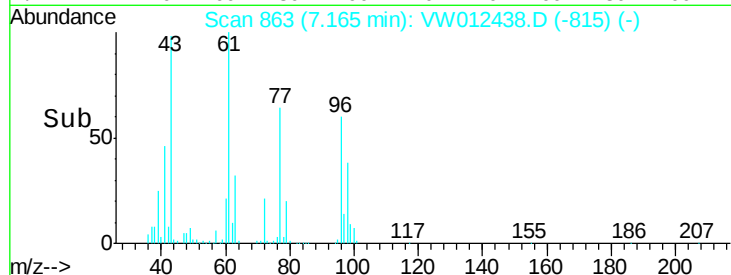
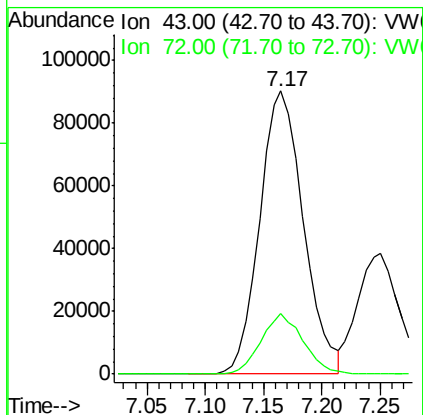
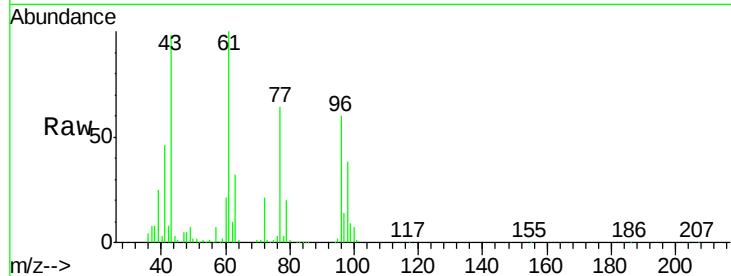
72 21.6 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

9/3/2019 10:44:15 AM



#26

2,2-Dichloropropane

Concen: 56.841 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012438.D

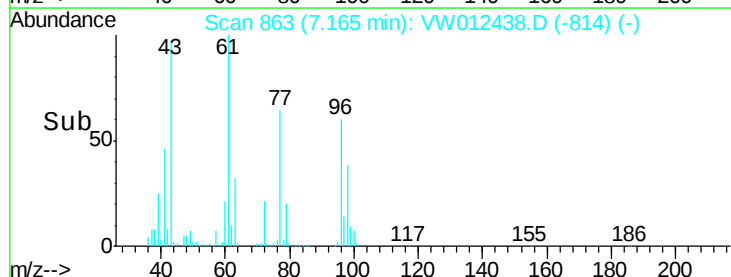
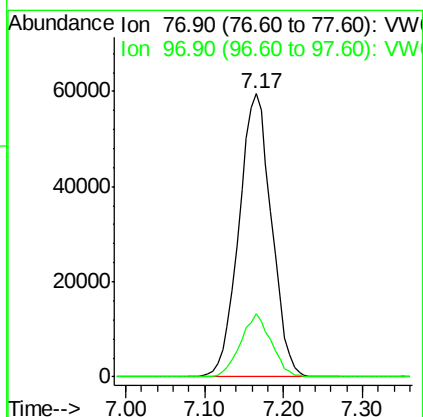
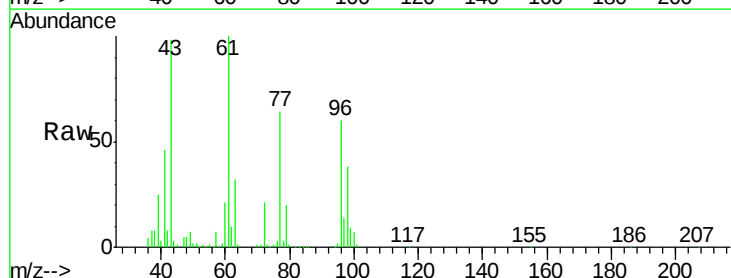
Acq: 01 Sep 2019 10:34

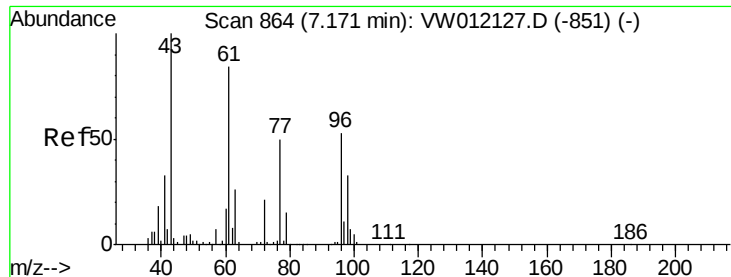
Tgt Ion: 77 Resp: 170849

Ion Ratio Lower Upper

77 100

97 21.0 11.1 33.1





#27

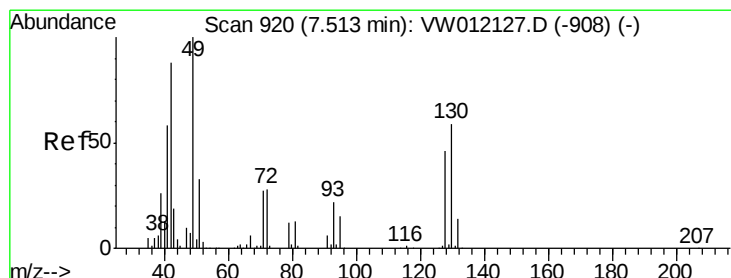
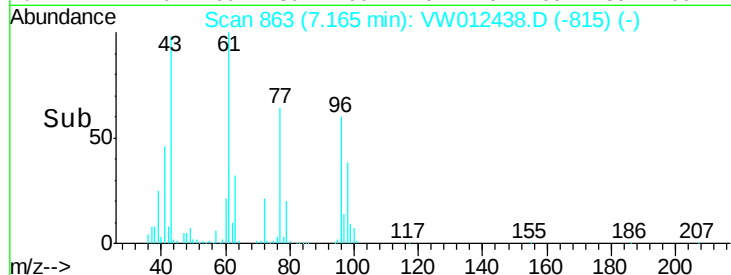
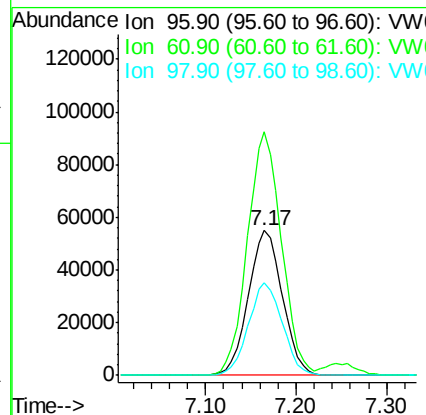
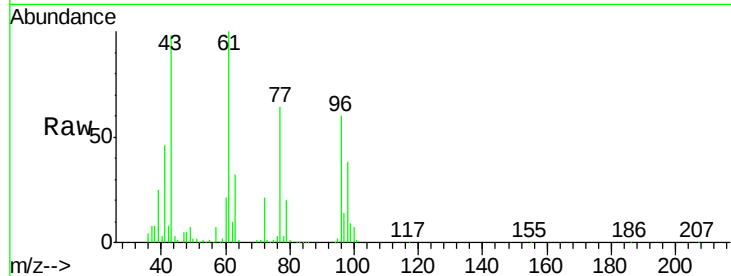
cis-1,2-Dichloroethene
Concen: 50.580 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.8	0.0	326.6
98	63.6	0.0	127.4

Manual Integrations
APPROVED

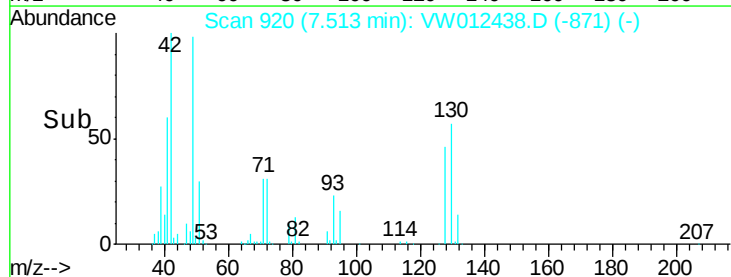
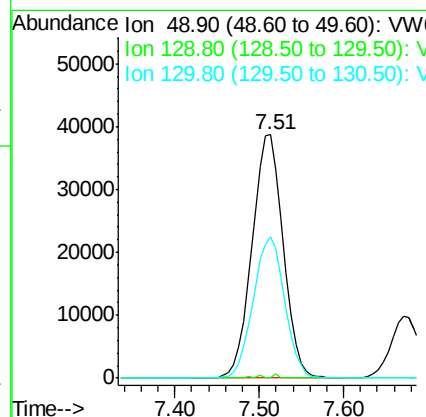
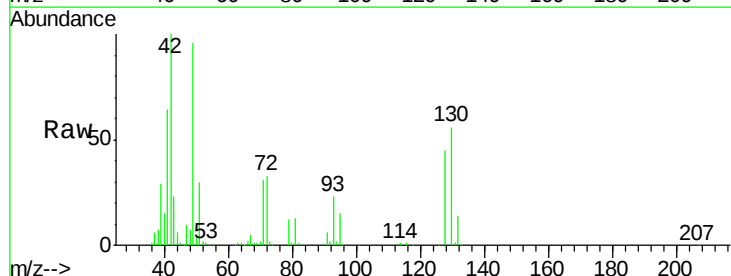
MMDadoda
9/3/2019 10:44:15 AM

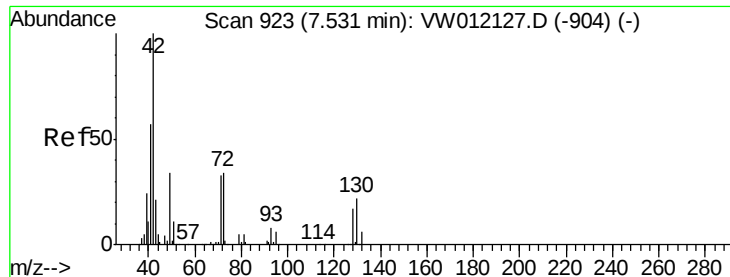


#28

Bromochloromethane
Concen: 41.876 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	1.4
130	58.4	45.5	68.3





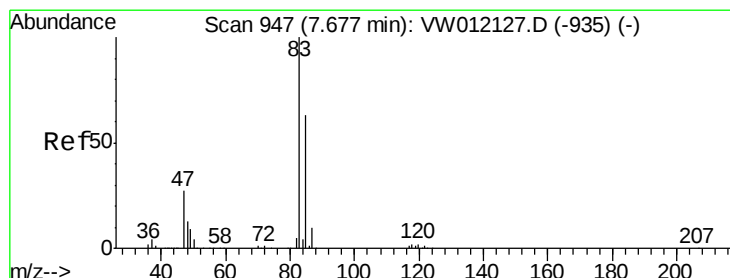
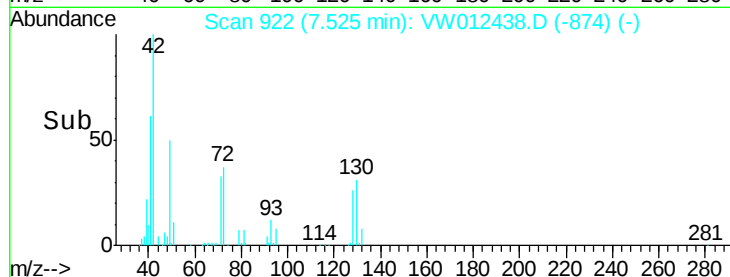
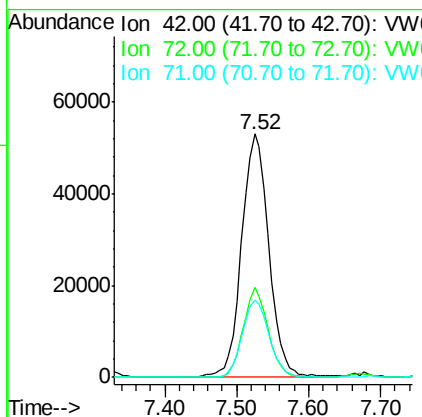
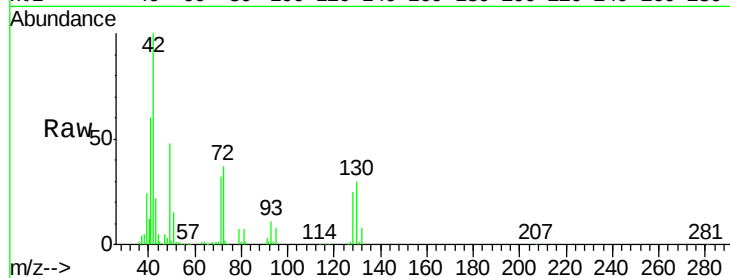
#29
Tetrahydrofuran
Concen: 227.714 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	138423
Ion	Ratio	Lower	Upper
42	100		
72	34.1	27.3	40.9
71	31.4	25.5	38.3

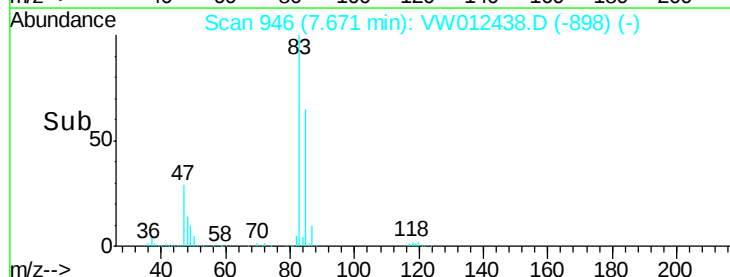
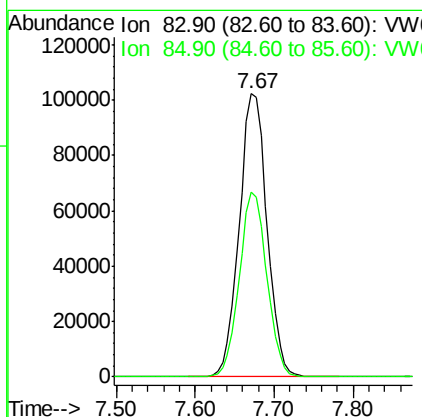
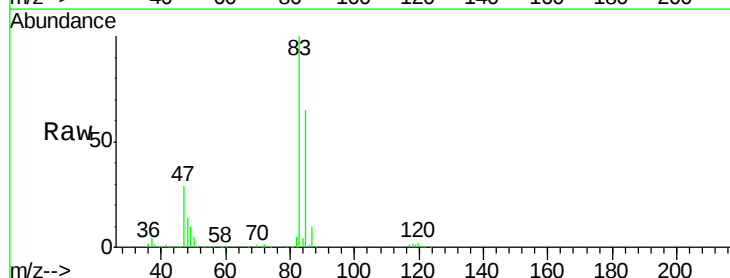
Manual Integrations
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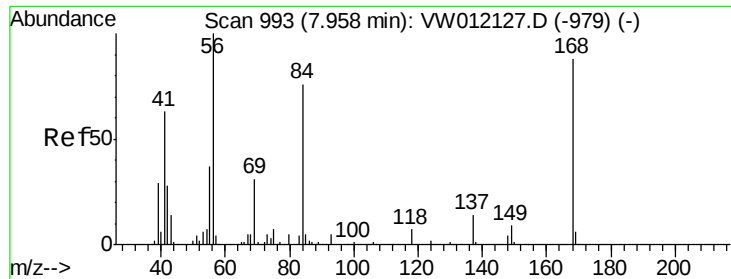
MMDadoda
9/3/2019 10:44:15 AM



#30
Chloroform
Concen: 51.591 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion:	83	Resp:	250653
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.6	76.0





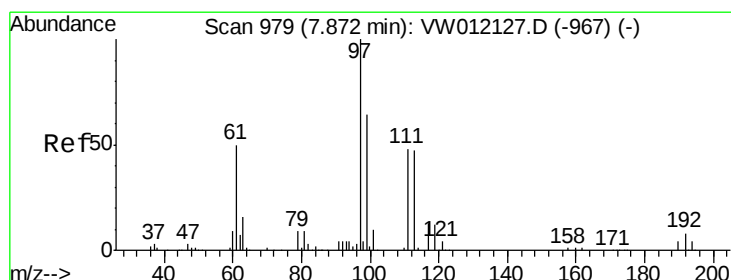
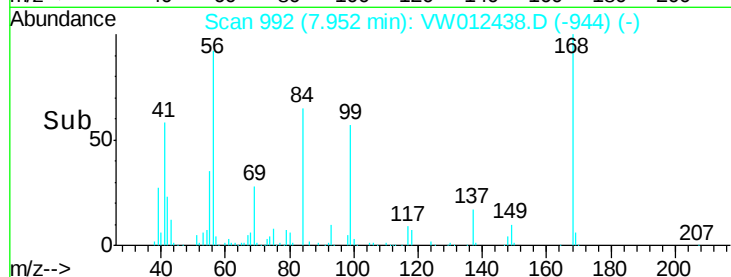
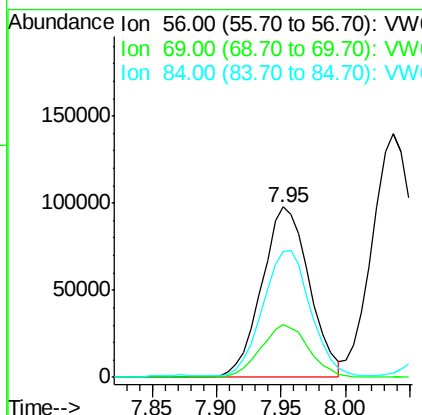
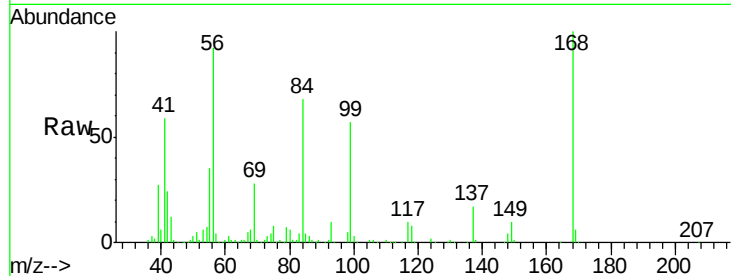
#31
Cyclohexane
Concen: 47.689 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	250554
Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.9	37.3
84	72.6	60.6	90.8

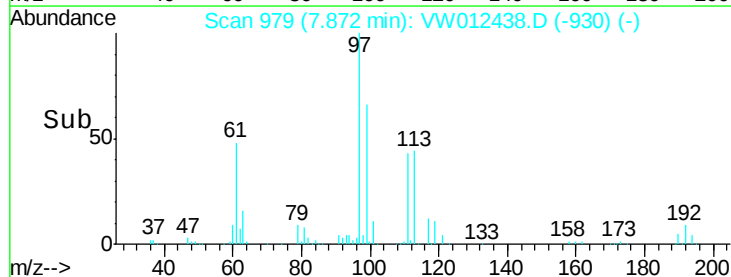
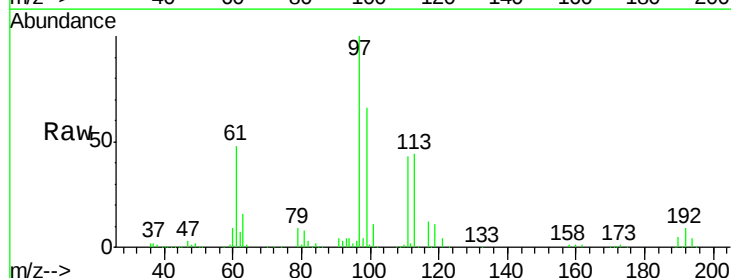
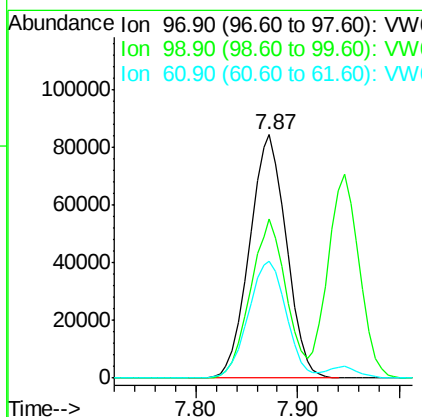
Manual Integrations
APPROVED

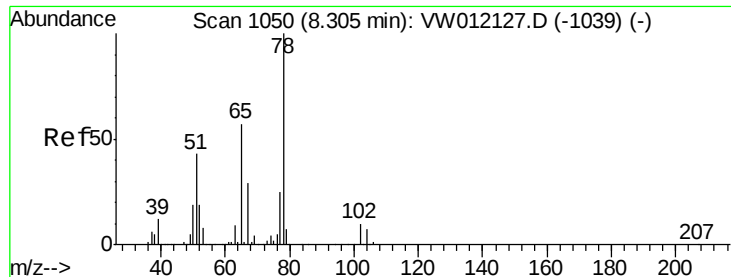
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 55.184 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	97	Resp	212096
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.0
61	49.5	39.5	59.3





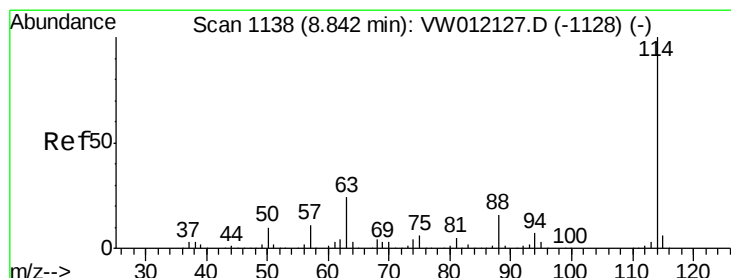
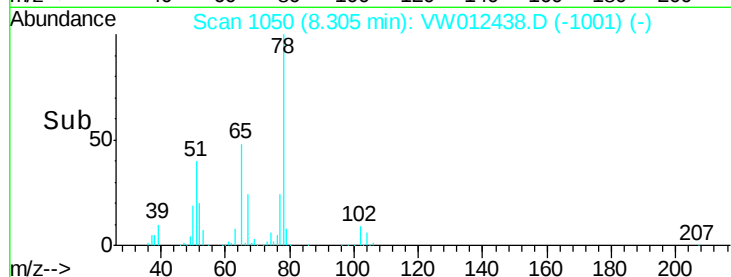
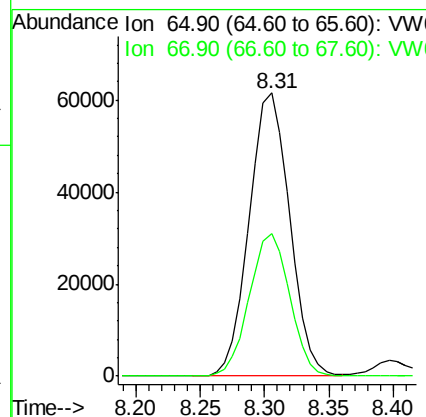
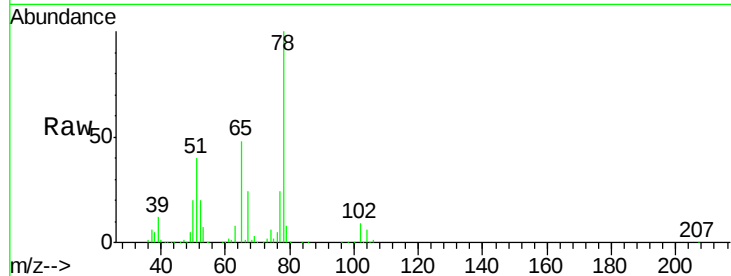
#33
 1,2-Dichloroethane-d4
 Concen: 45.959 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134057		
67	50.3	0.0	102.6	

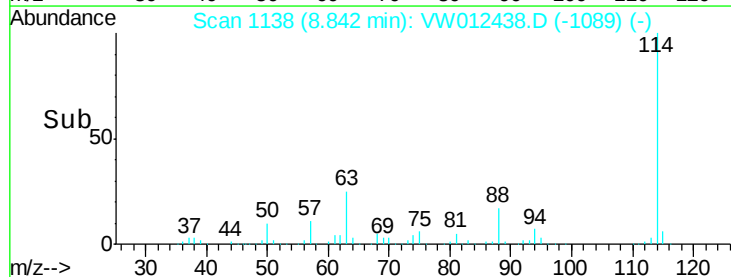
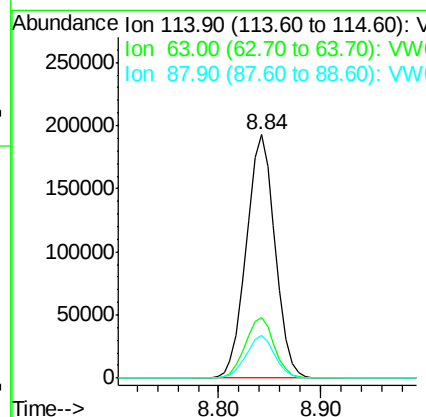
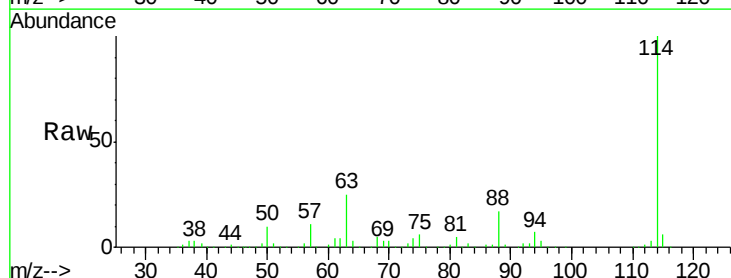
Manual Integrations
 APPROVED

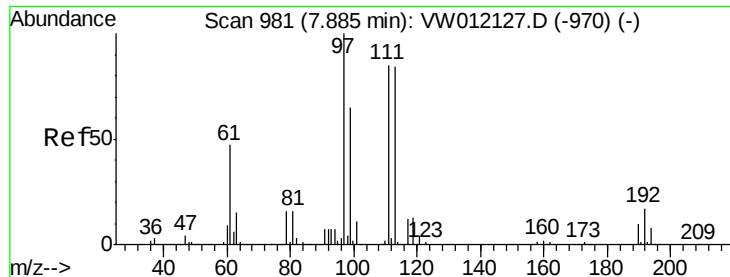
MMDadoda
 9/3/2019 10:44:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	376377		
63	24.9	0.0	48.6	
88	17.3	0.0	32.2	





#35

Dibromofluoromethane

Concen: 47.942 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 107706

Ion Ratio Lower Upper

113 100

111 101.8 82.7 124.1

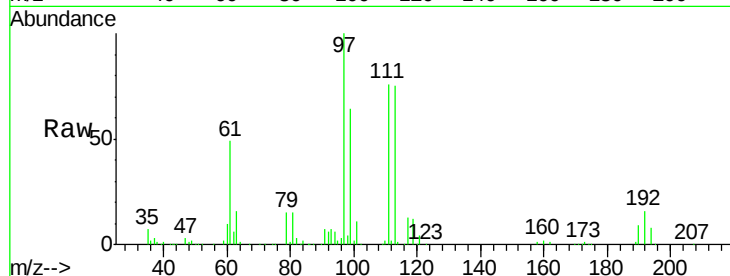
192 20.4 16.2 24.2

Manual Integrations

APPROVED

MMDadoda

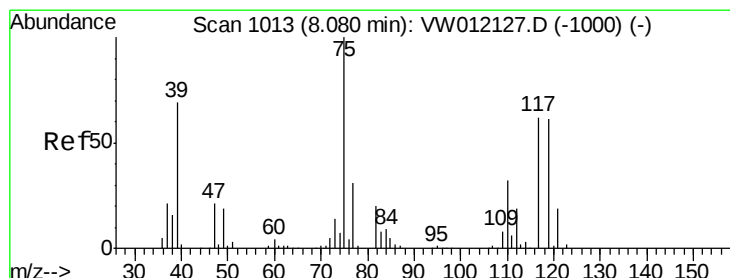
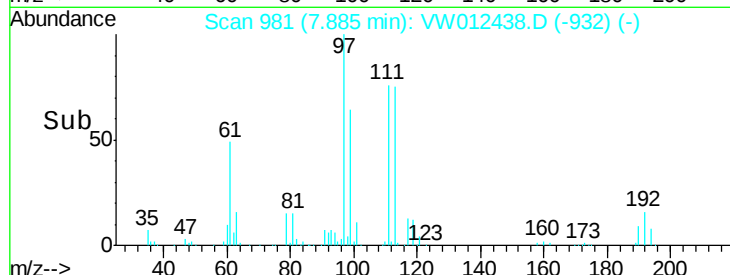
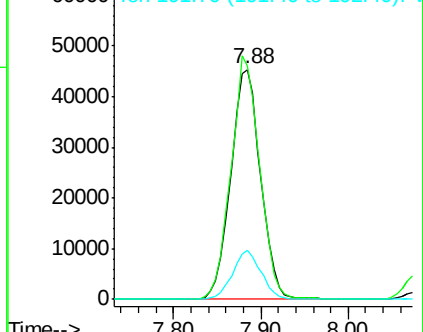
9/3/2019 10:44:15 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 54.258 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

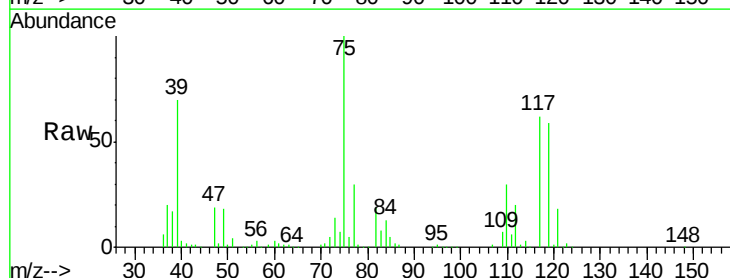
Tgt Ion: 75 Resp: 211031

Ion Ratio Lower Upper

75 100

110 30.9 15.6 46.8

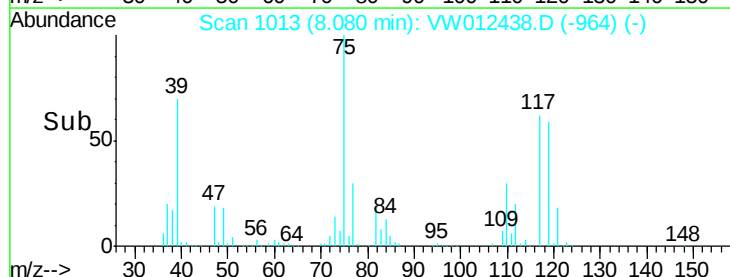
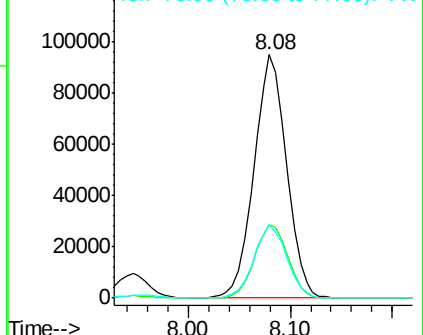
77 30.4 24.6 36.8

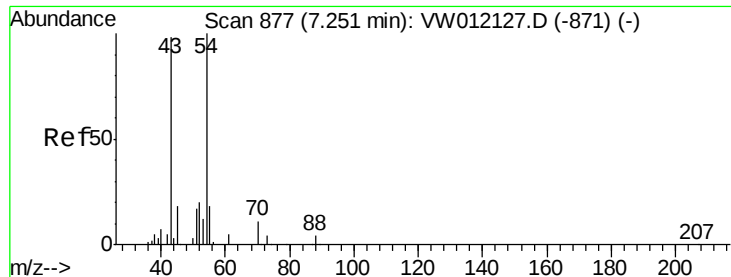


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





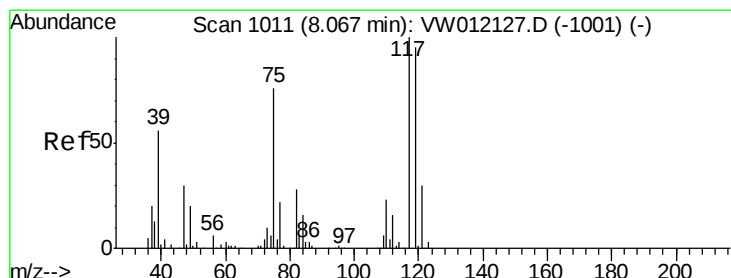
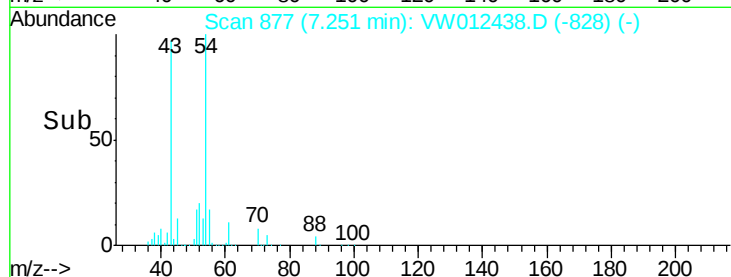
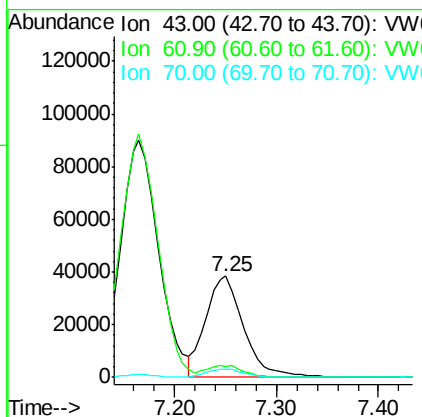
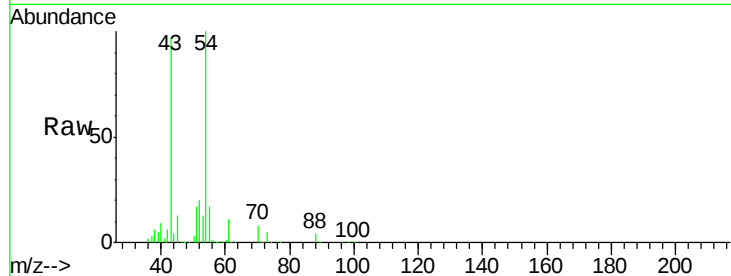
#37
Ethyl Acetate
Concen: 45.870 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.2	13.8
70	8.6	6.9	10.3

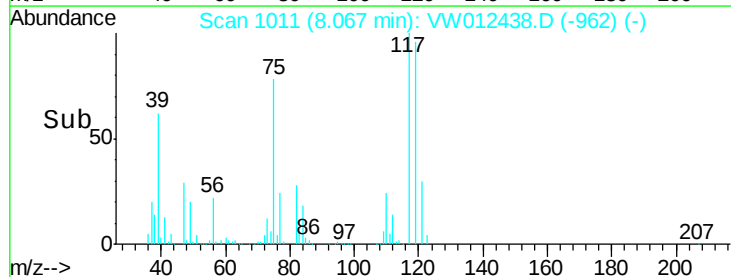
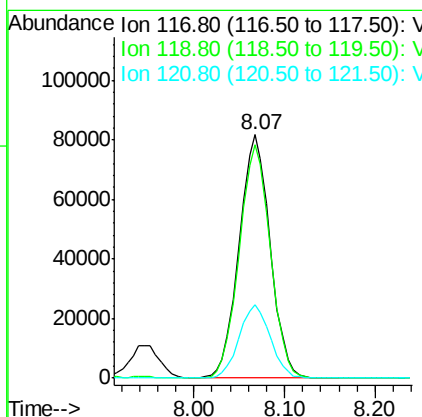
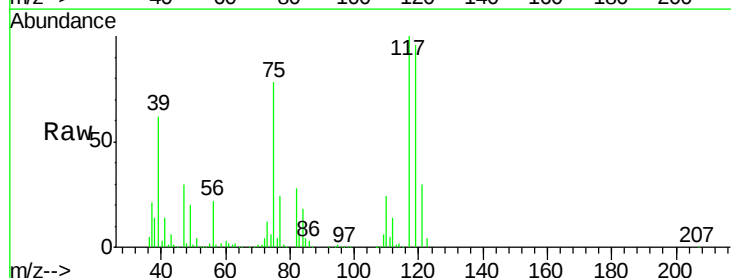
Manual Integrations
APPROVED

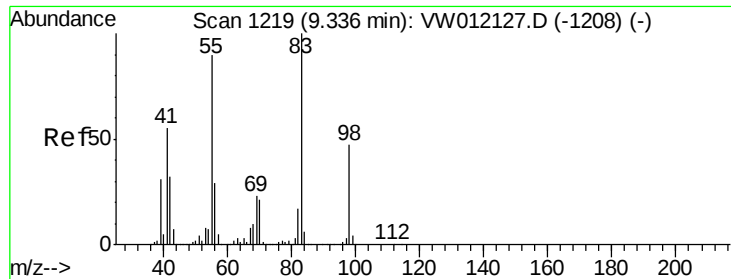
MMDadoda
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#38
Carbon Tetrachloride
Concen: 57.471 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.2	114.2
121	29.9	23.8	35.8





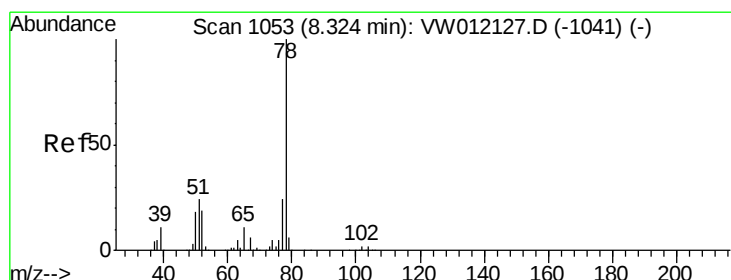
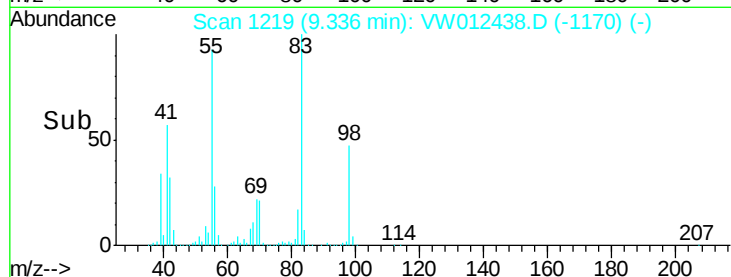
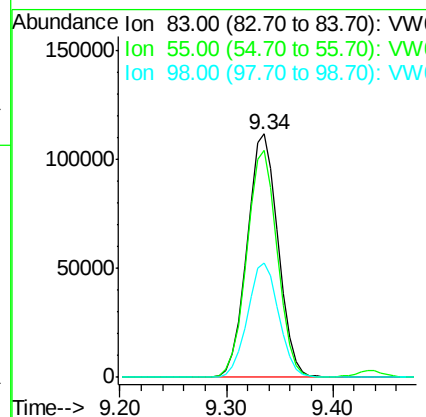
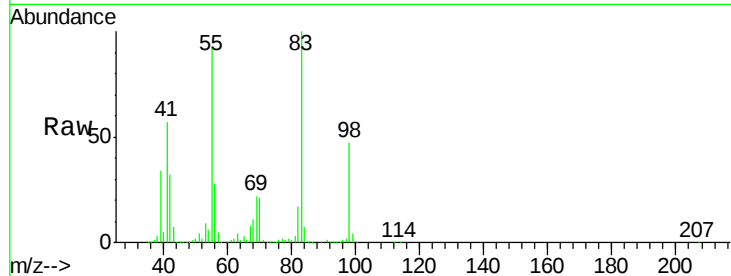
#39
Methvlcvclohexane
Concen: 52.433 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.5	71.8	107.8
98	47.1	37.8	56.8

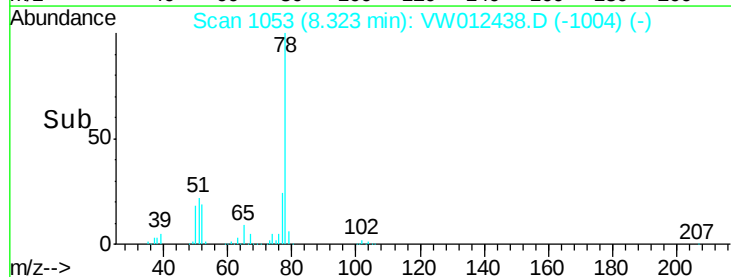
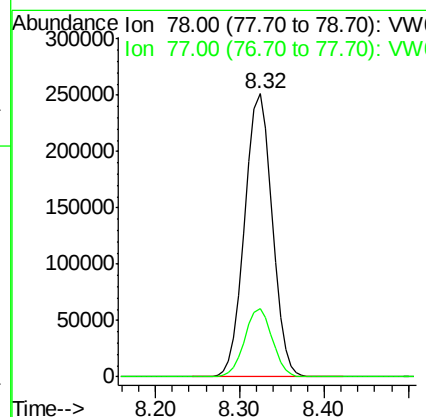
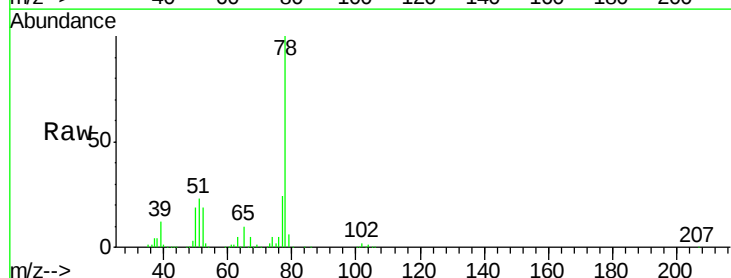
Manual Integrations
APPROVED

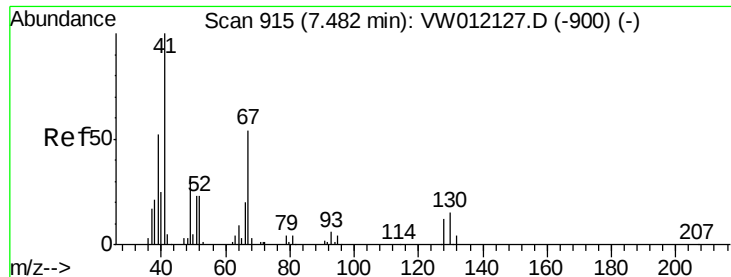
MMDadoda
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#40
Benzene
Concen: 52.042 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.5	29.3





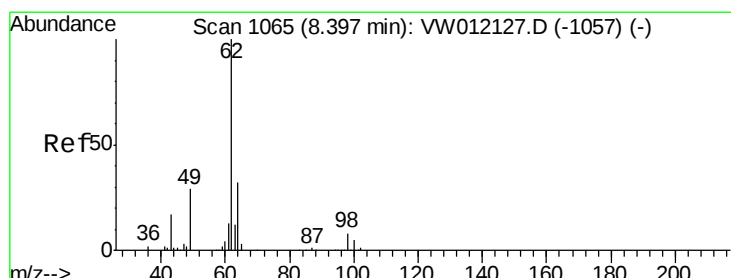
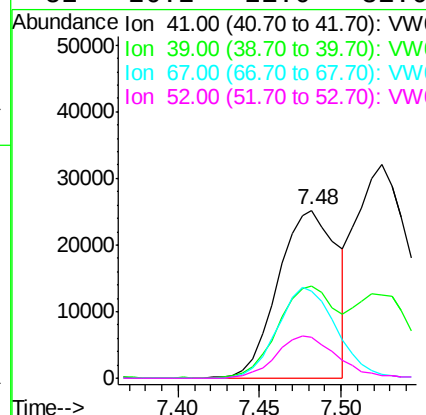
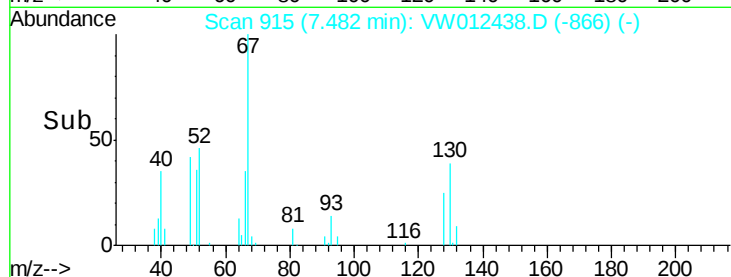
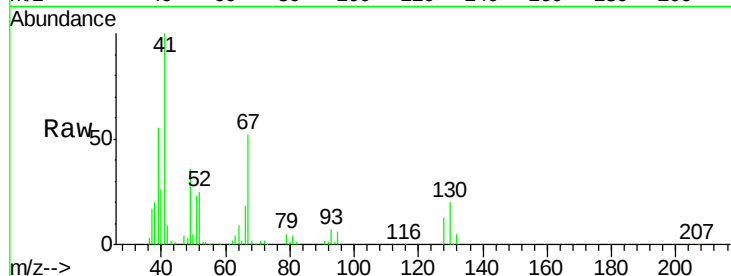
#41
Methacrylonitrile
Concen: 50.818 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		63658		
39	53.3	45.8	68.8		
67	54.3	46.2	69.4		
52	26.2	21.0	31.6		

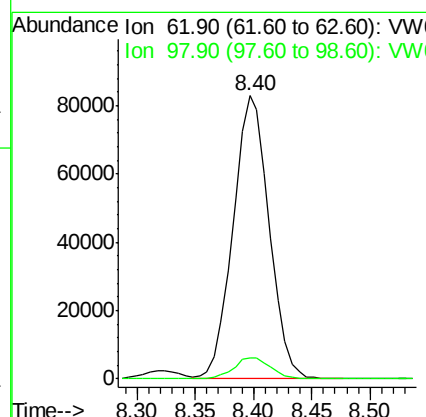
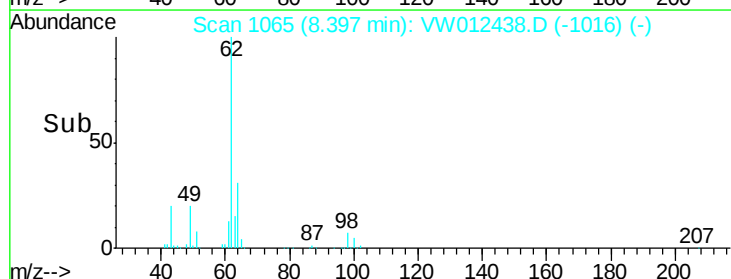
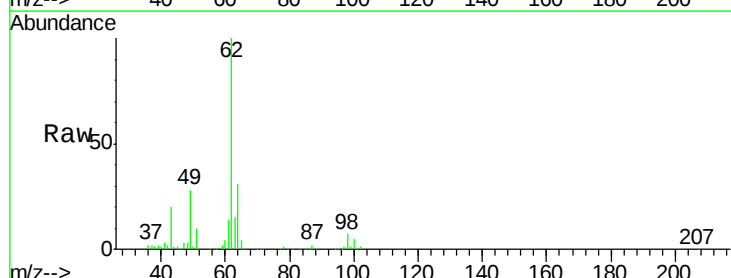
Manual Integrations
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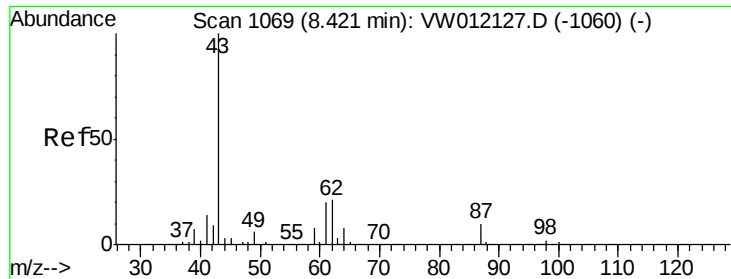
MMDadoda
9/3/2019 10:44:15 AM



#42
1,2-Dichloroethane
Concen: 53.485 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		178024		
98	7.7	0.0	16.6		





#43

Isopropyl Acetate

Concen: 47.341 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

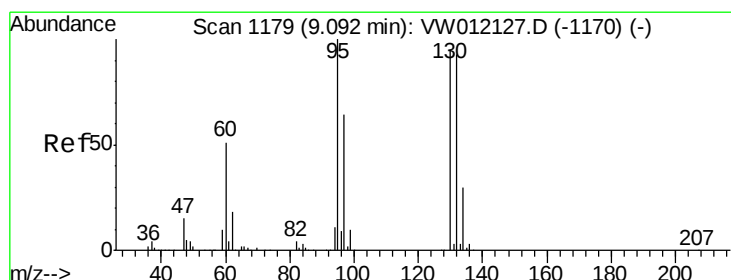
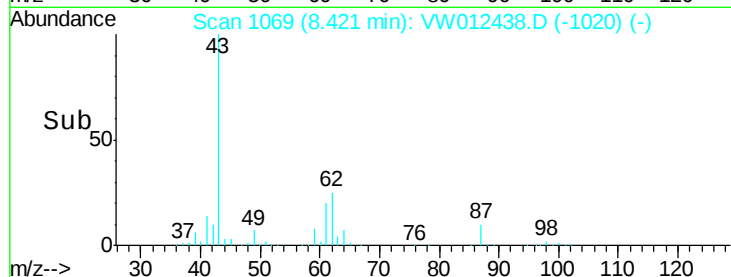
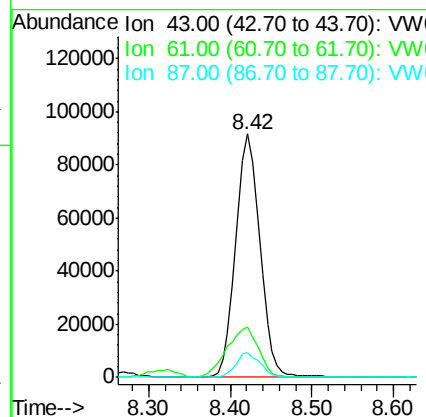
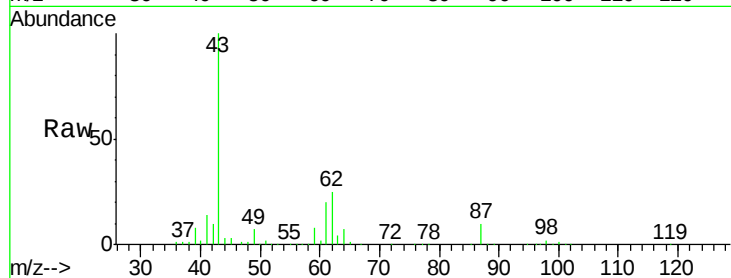
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	186899
Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.1	31.7
87	10.2	8.2	12.2

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#44

Trichloroethene

Concen: 53.762 ug/l

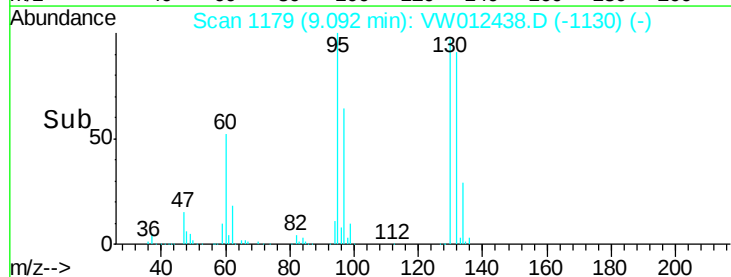
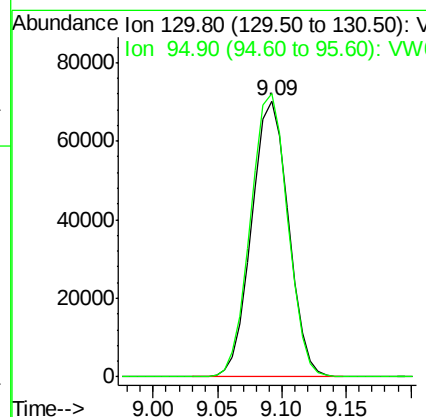
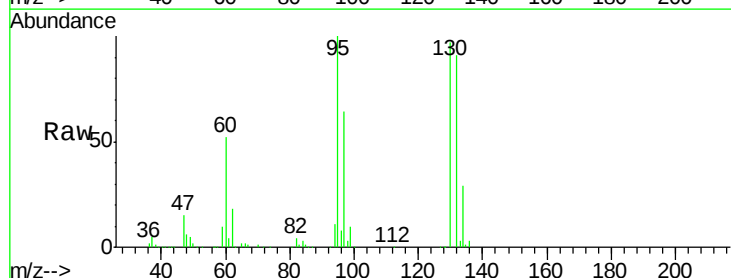
RT: 9.09 min Scan# 1179

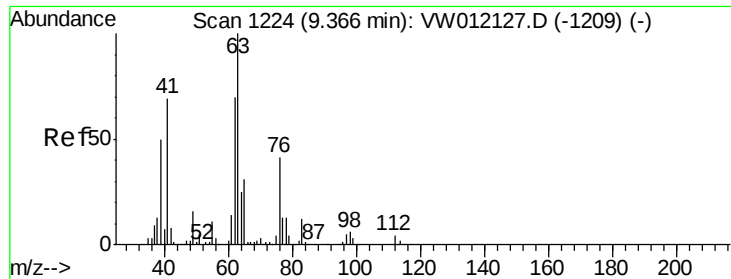
Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Tgt Ion:	130	Resp:	138801
Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	210.6





#45

1,2-Dichloropropane

Concen: 51.167 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 146249

Ion Ratio Lower Upper

63 100

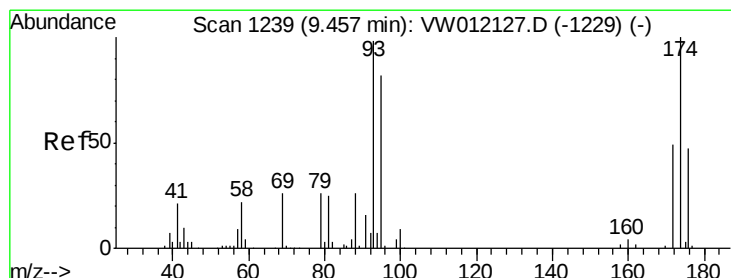
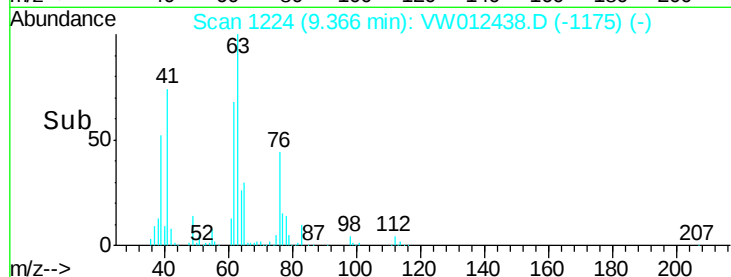
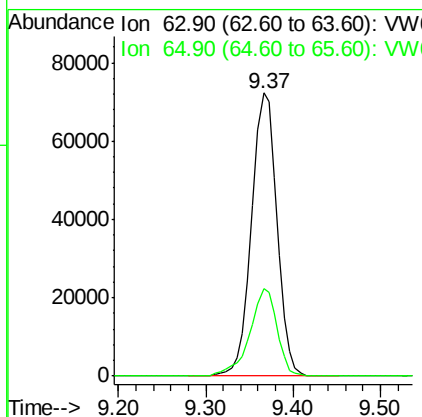
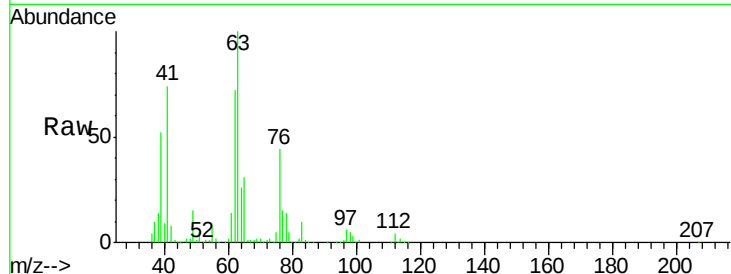
65 30.8 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 49.935 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

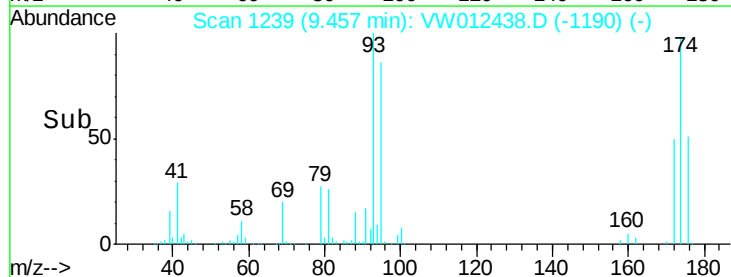
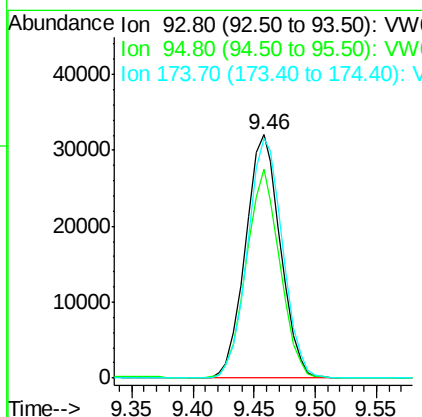
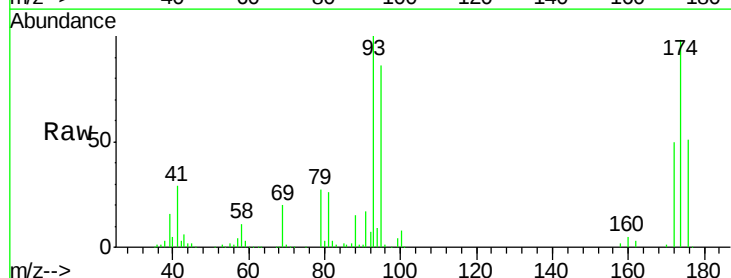
Tgt Ion: 93 Resp: 63504

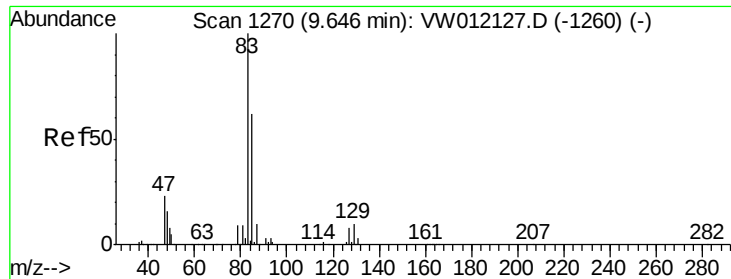
Ion Ratio Lower Upper

93 100

95 82.8 67.2 100.8

174 99.4 79.0 118.6





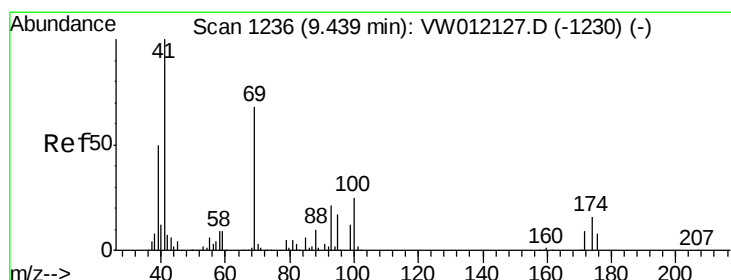
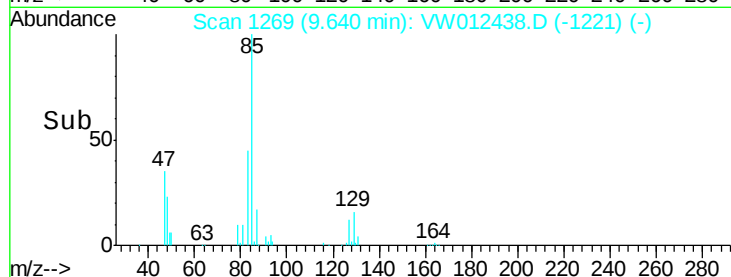
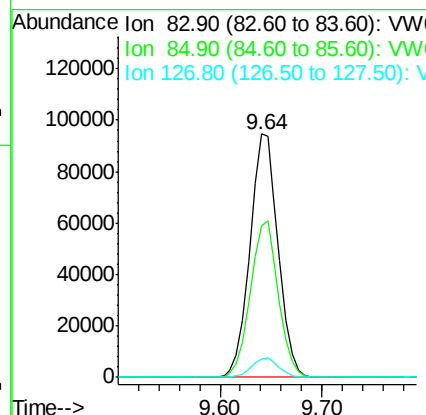
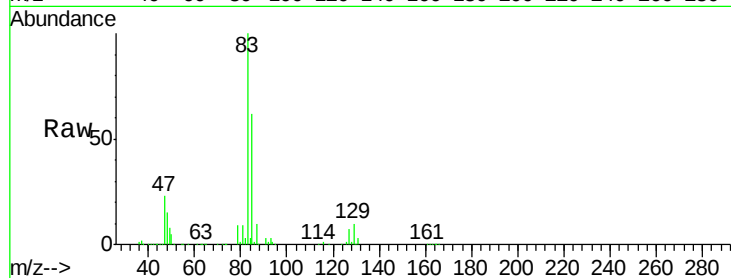
#47
Bromodichloromethane
Concen: 53.439 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.4	74.2
127	7.4	6.1	9.1

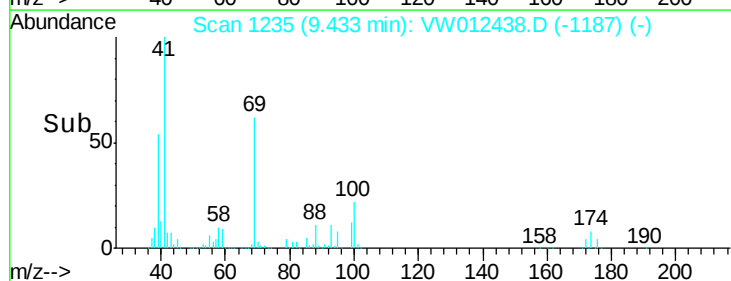
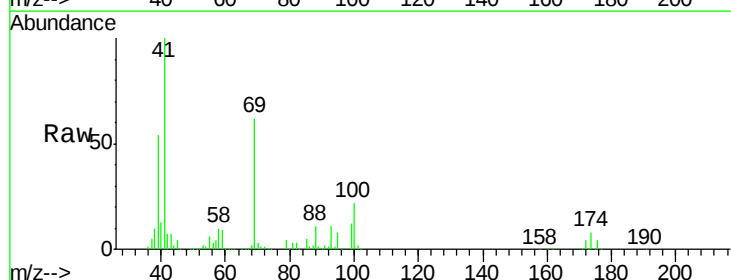
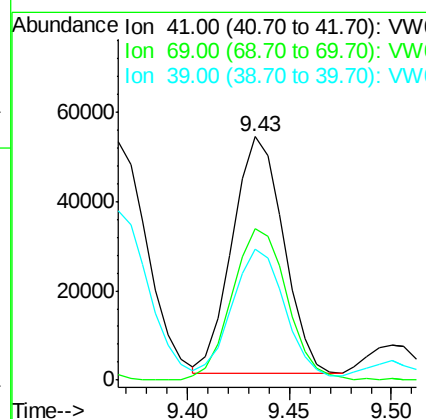
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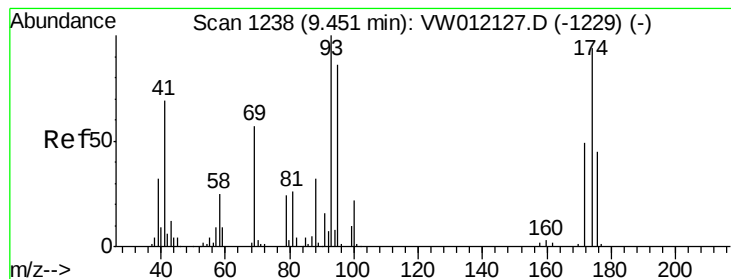
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#48
Methyl methacrylate
Concen: 49.072 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Lower	Upper
41	100		
69	69.0	56.7	85.1
39	54.4	42.0	63.0





#49

1,4-Dioxane

Concen: 905.304 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

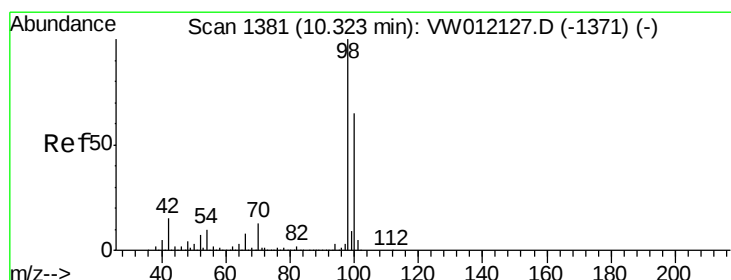
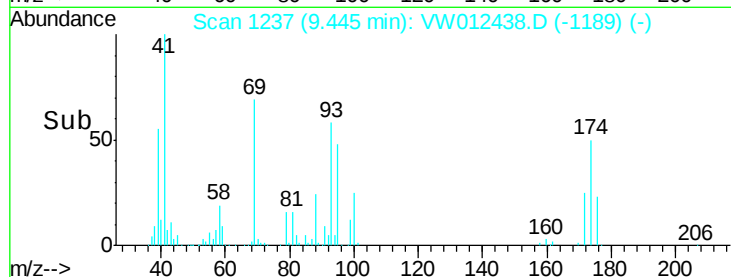
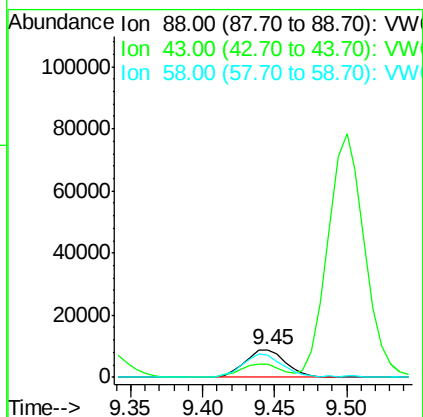
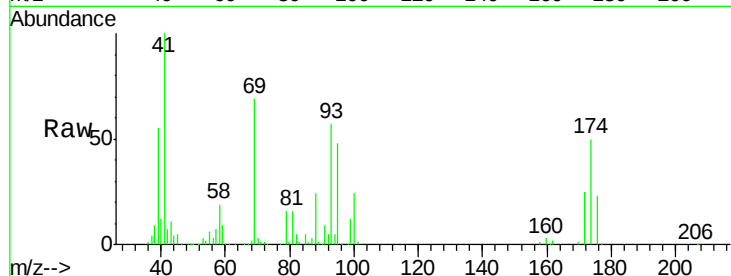
ClientSampled :

VSTDCCC050

Tot Ion:	88	Resp:	17625
Ion	Ratio	Lower	Upper
88	100		
43	46.2	32.9	49.3
58	80.9	71.0	106.4

Manual Integrations
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#50

Toluene-d8

Concen: 47.153 ug/l

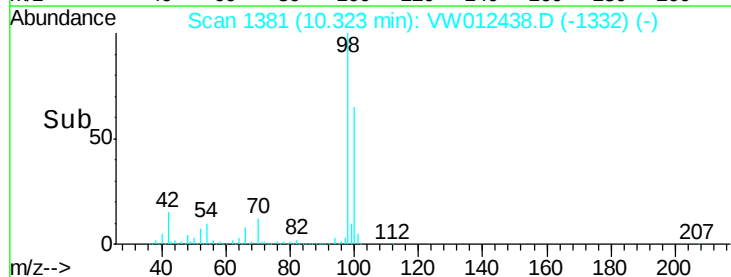
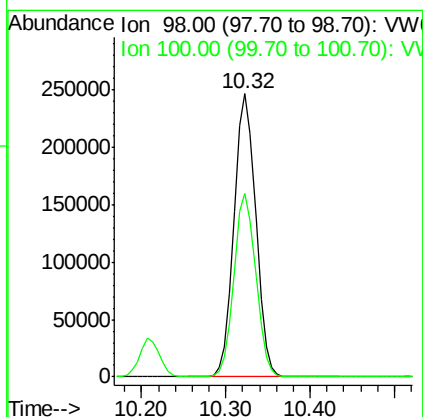
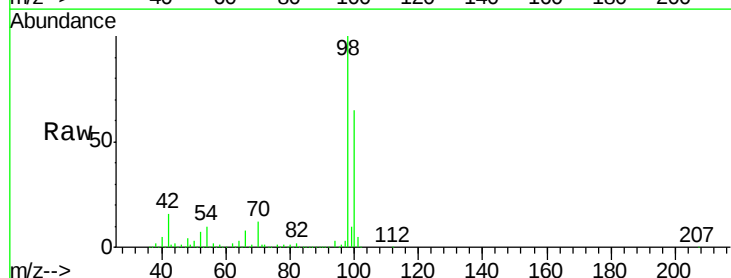
RT: 10.32 min Scan# 1381

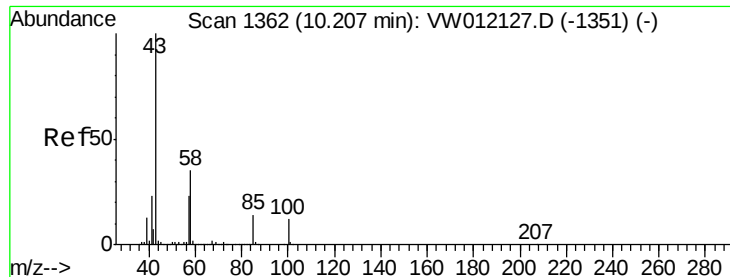
Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Tgt Ion:	98	Resp:	429533
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 237.852 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 477614

Ion Ratio Lower Upper

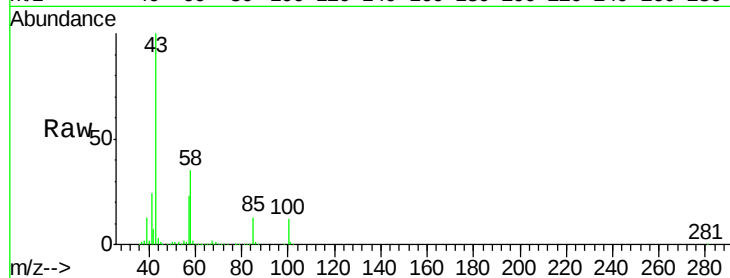
43 100

58 34.6 28.2 42.2

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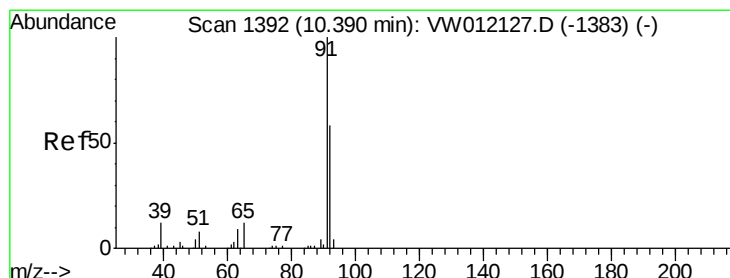
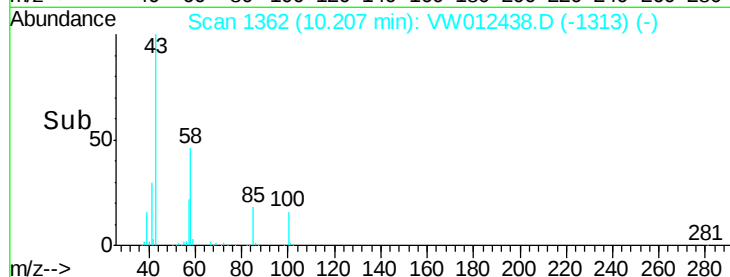
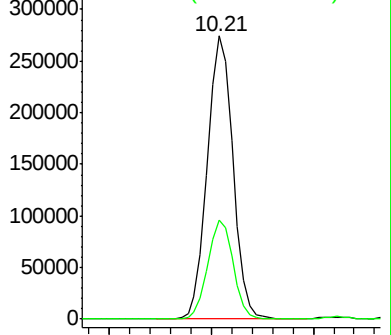
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 53.059 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012438.D

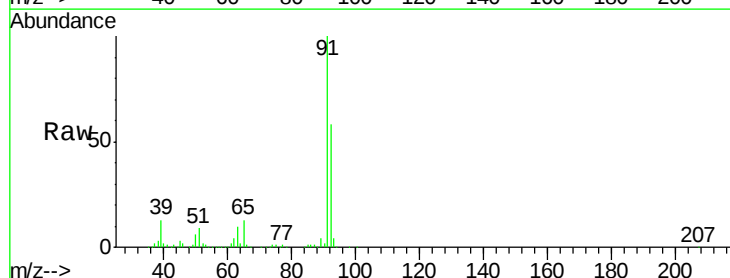
Acq: 01 Sep 2019 10:34

Tgt Ion: 92 Resp: 338520

Ion Ratio Lower Upper

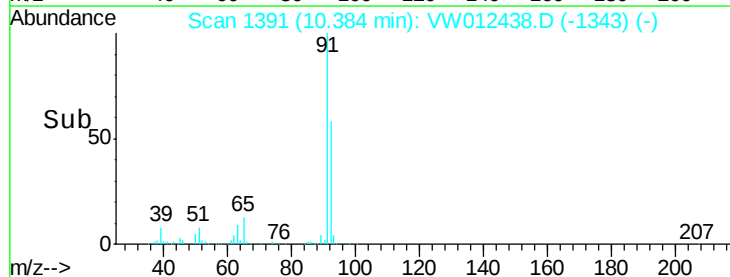
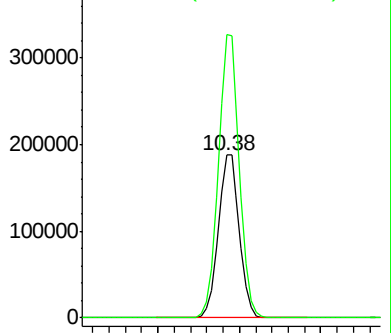
92 100

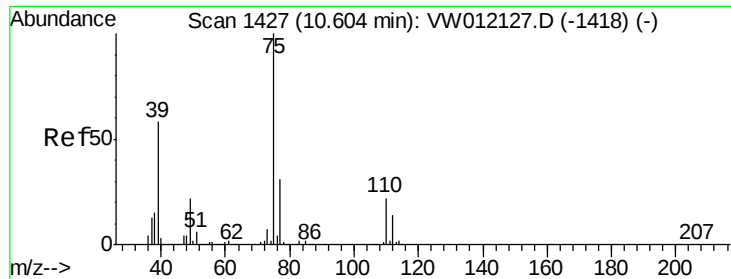
91 172.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





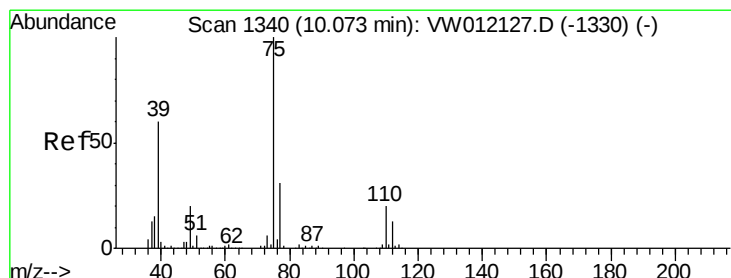
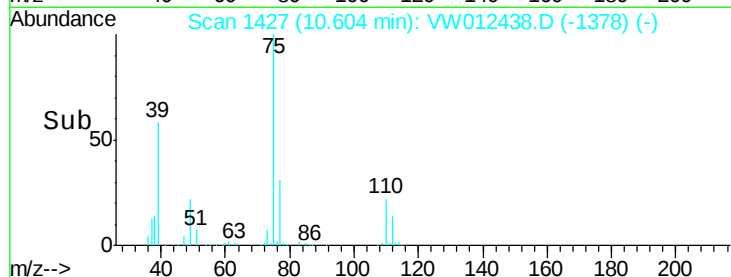
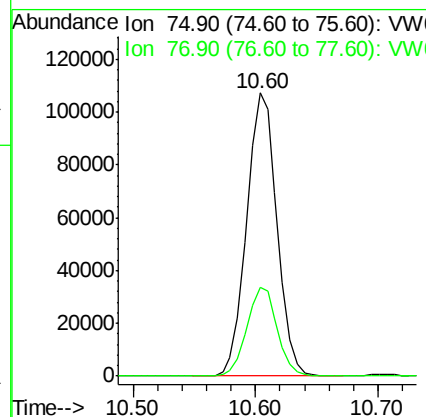
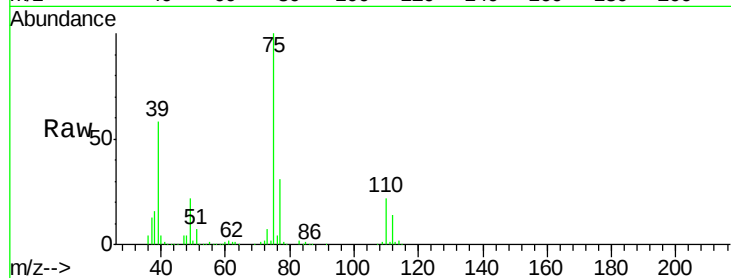
#53
t-1,3-Dichloropropene
Concen: 53.322 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4

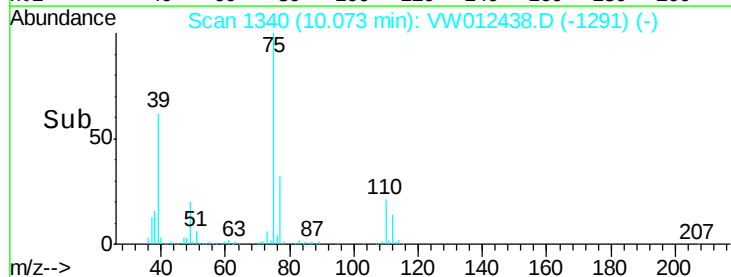
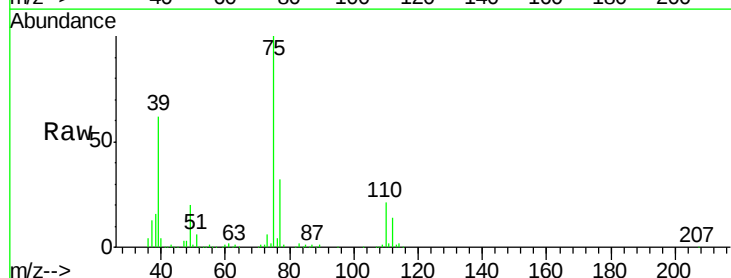
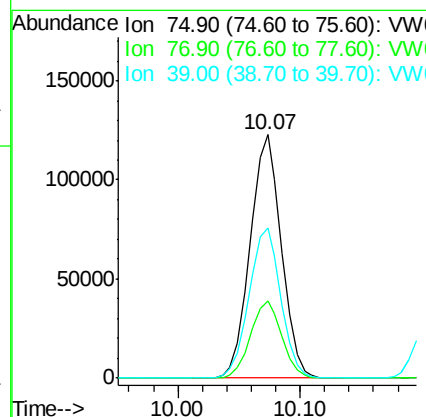
Manual Integrations
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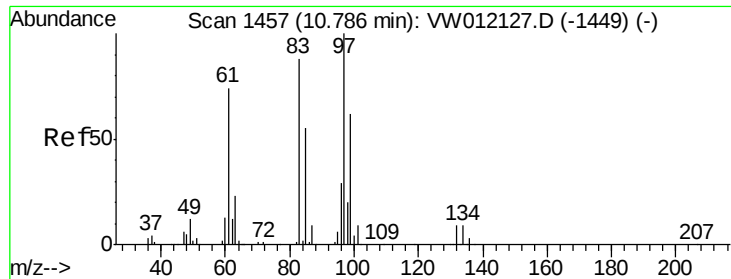
MMDadoda
9/3/2019 10:44:15 AM



#54
cis-1,3-Dichloropropene
Concen: 52.260 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7
39	61.5	48.3	72.5





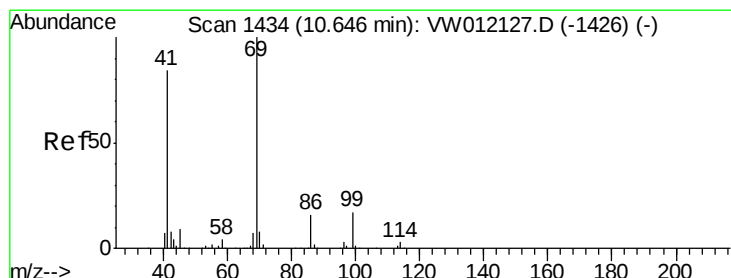
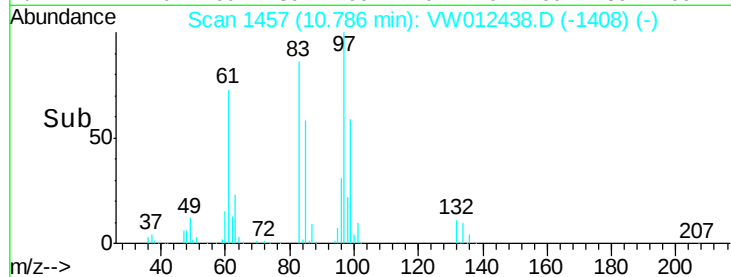
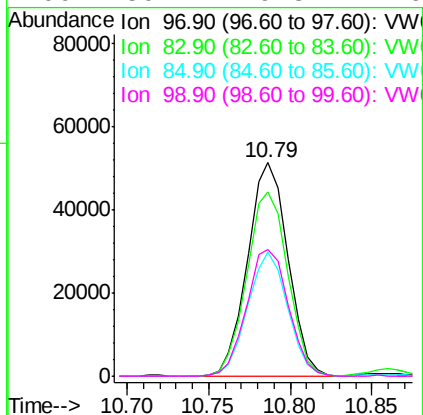
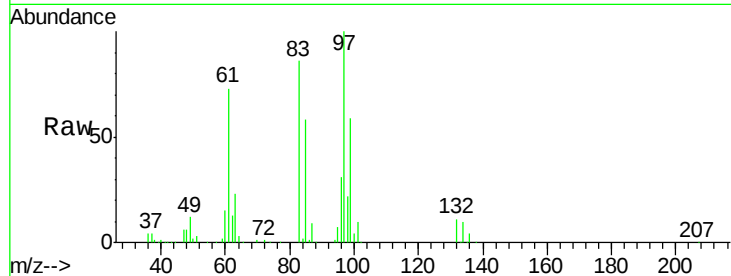
#55
 1,1,2-Trichloroethane
 Concen: 49.480 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	89030
Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.8	106.2
85	58.2	43.8	65.8
99	59.1	49.8	74.6

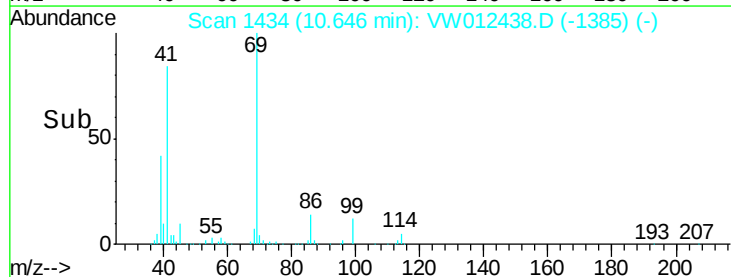
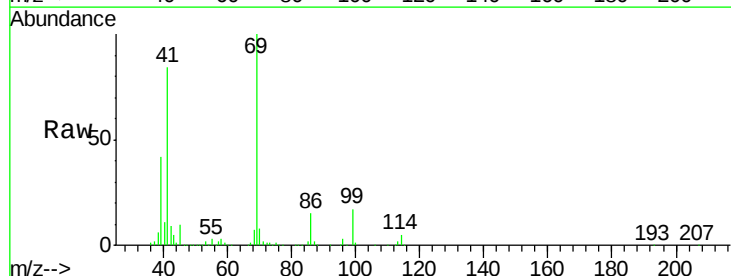
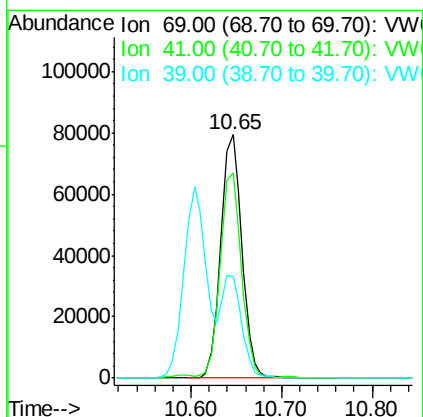
Manual Integrations
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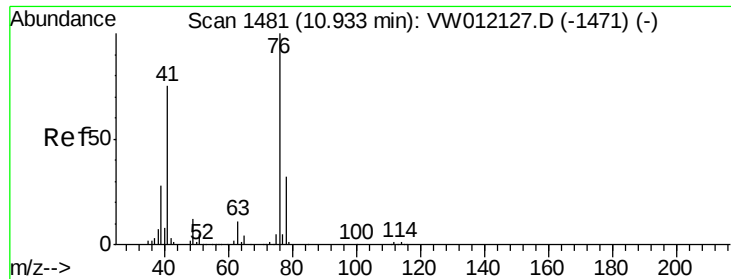
MMDadoda
 9/3/2019 10:44:15 AM



#56
 Ethyl methacrylate
 Concen: 49.742 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion:	69	Resp:	130262
Ion	Ratio	Lower	Upper
69	100		
41	83.1	66.5	99.7
39	39.0	31.0	46.4





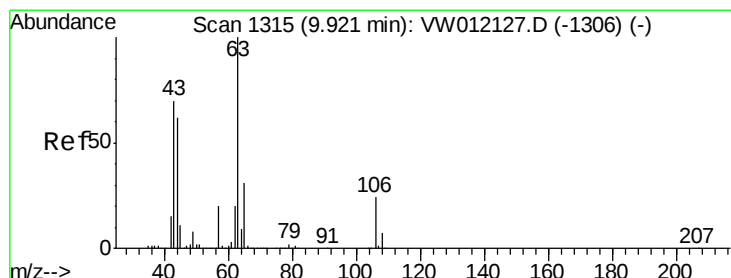
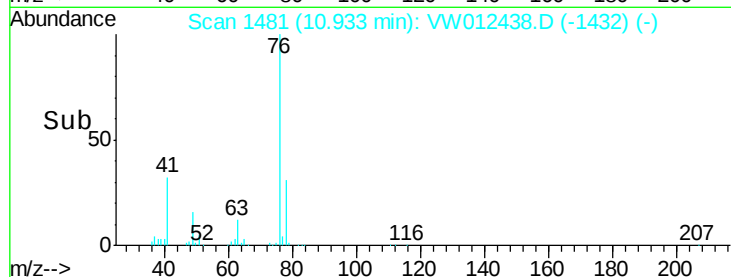
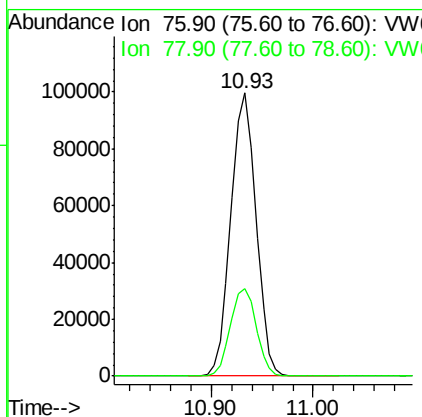
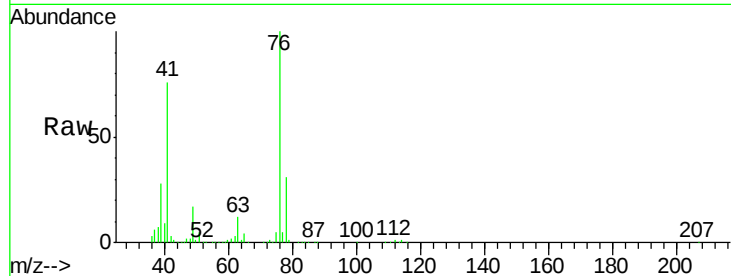
#57
 1,3-Dichloropropane
 Concen: 50.182 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 170630
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8

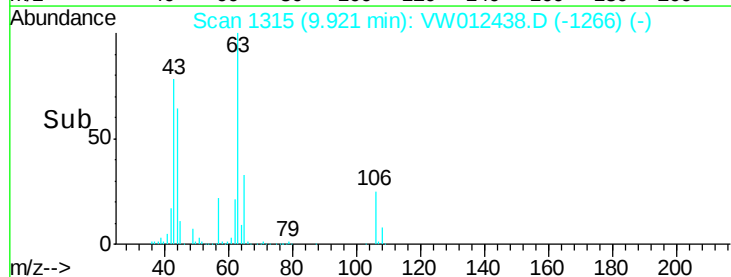
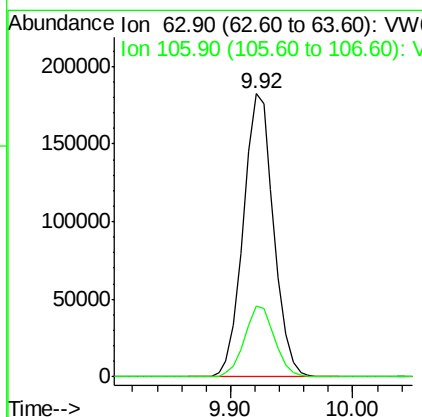
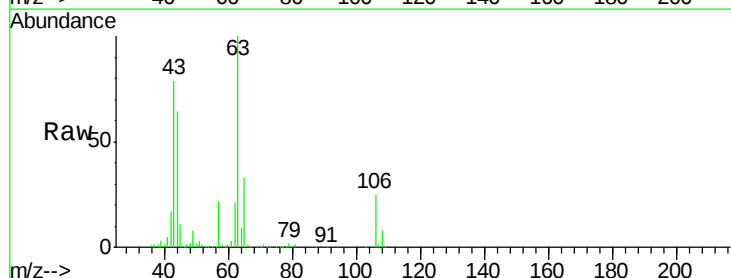
Manual Integrations
 APPROVED

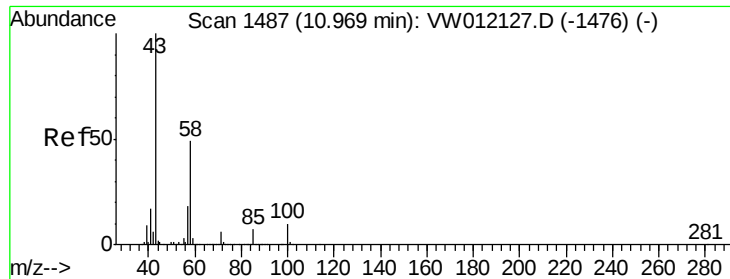
MMDadoda
 9/3/2019 10:44:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.931 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion: 63 Resp: 313060
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.8 29.8





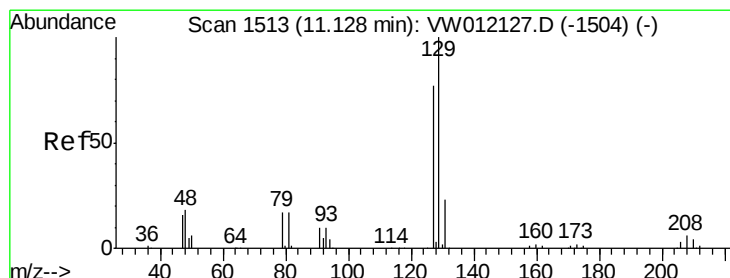
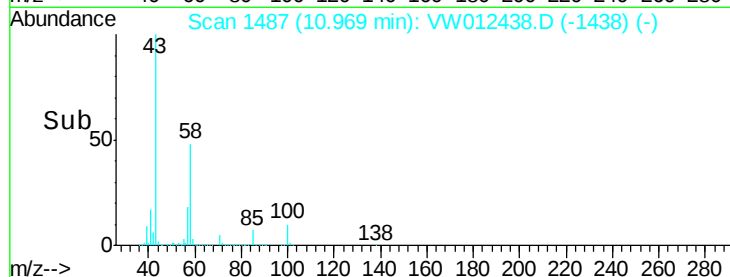
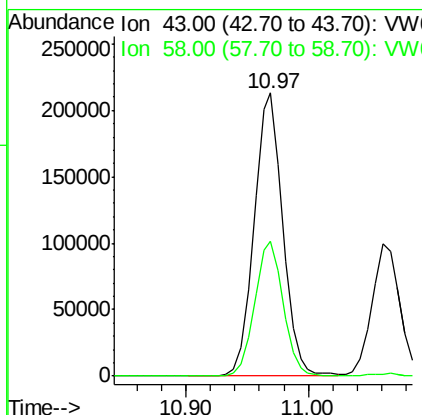
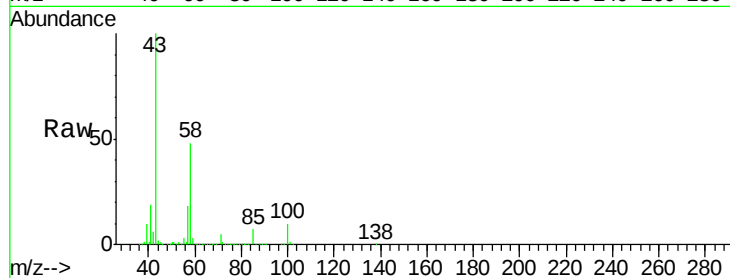
#59
2-Hexanone
Concen: 244.786 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 347795
Ion Ratio Lower Upper
43 100
58 47.6 24.3 72.9

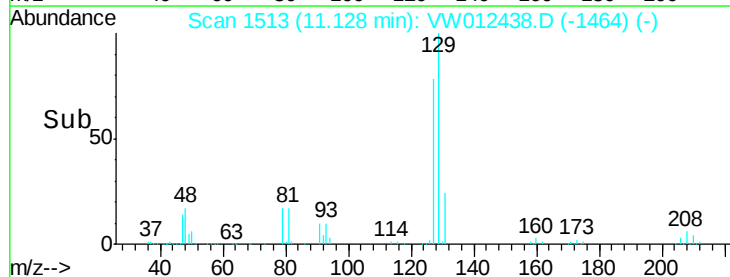
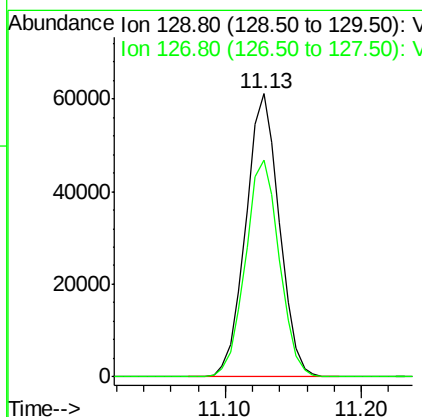
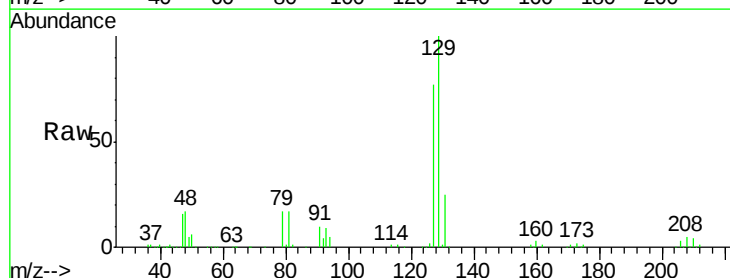
Manual Integrations
APPROVED

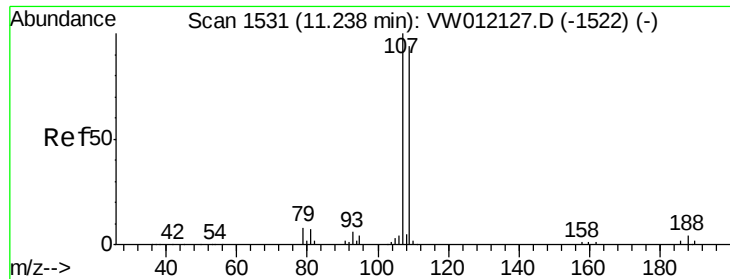
MMDadoda
9/3/2019 10:44:15 AM



#60
Dibromochloromethane
Concen: 52.572 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion: 129 Resp: 105361
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





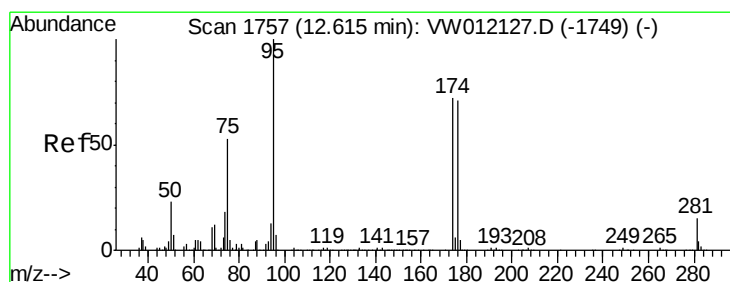
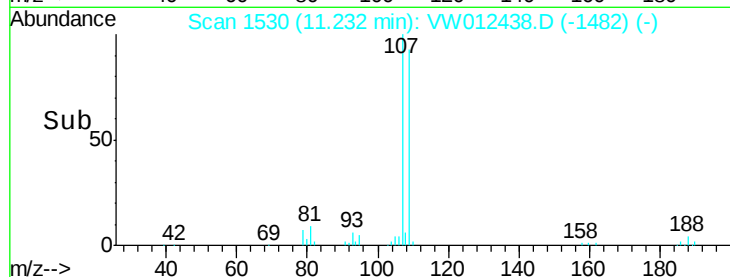
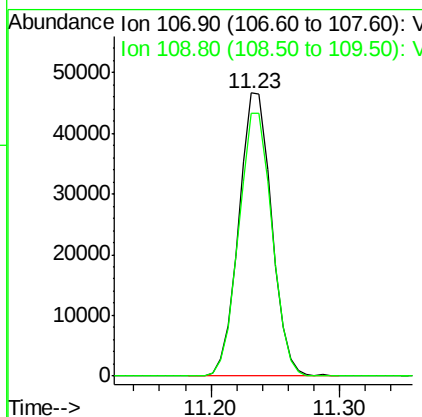
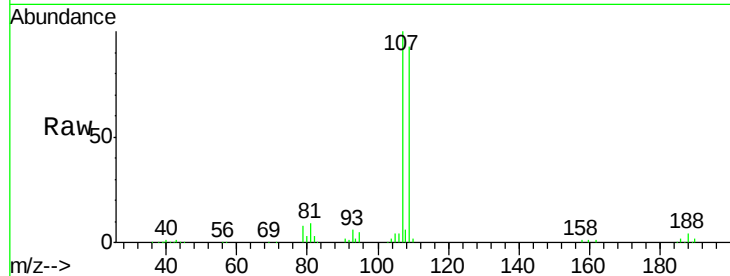
#61
1,2-Dibromoethane
Concen: 48.954 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

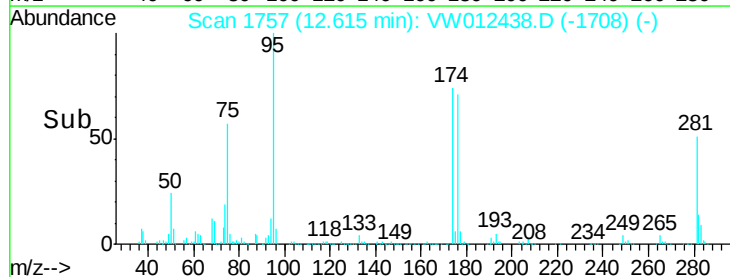
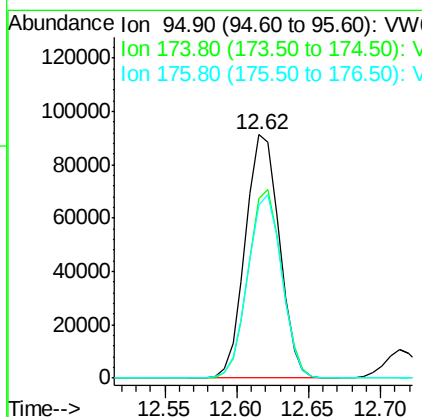
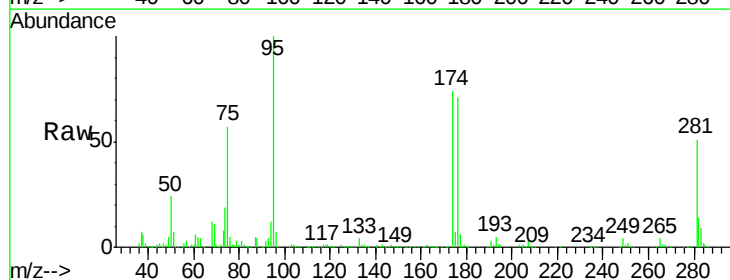
Manual Integrations
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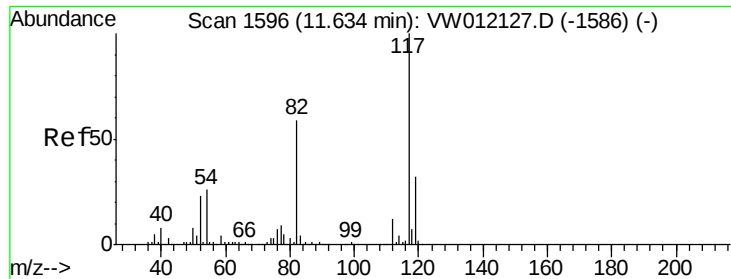
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 46.550 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	150.8
176	75.3	0.0	148.6





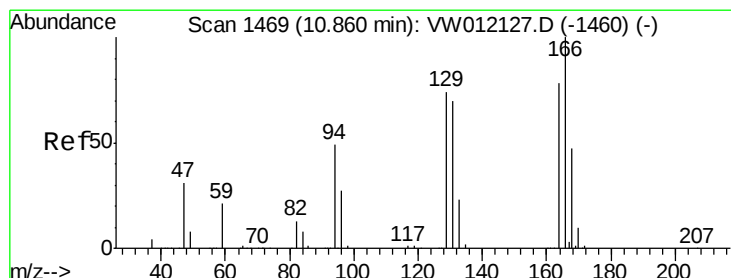
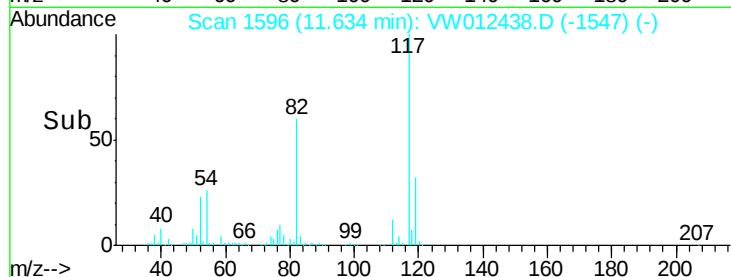
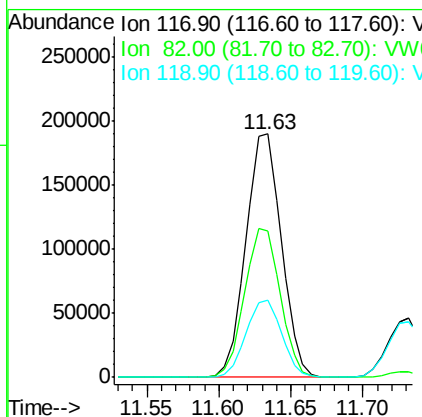
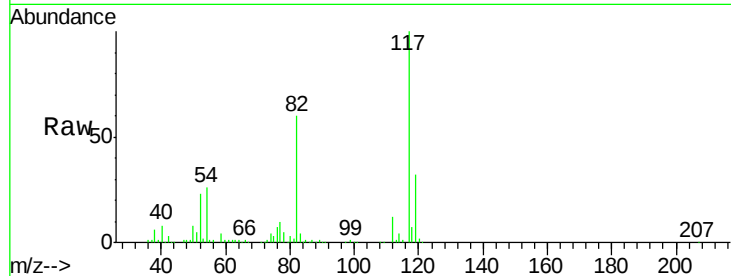
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	323903		
82	60.3		47.4	71.2
119	31.7		25.4	38.2

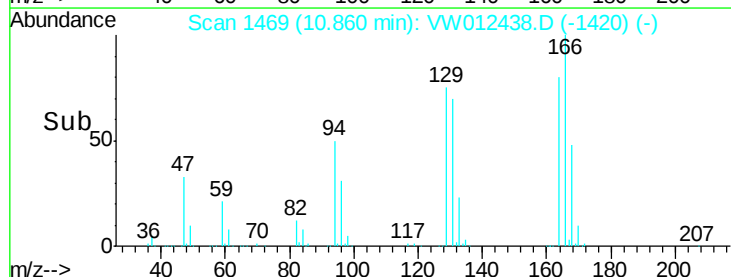
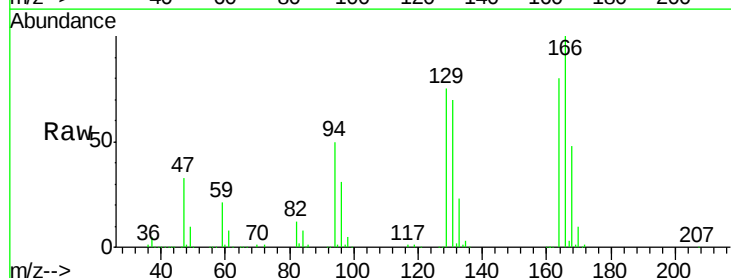
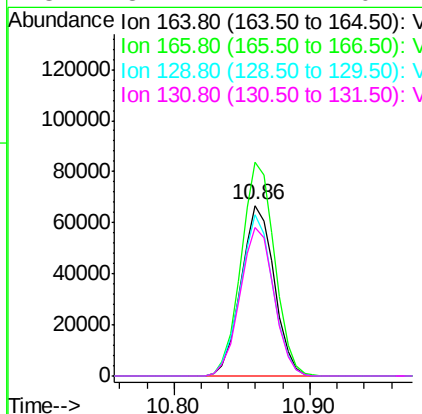
Manual Integrations
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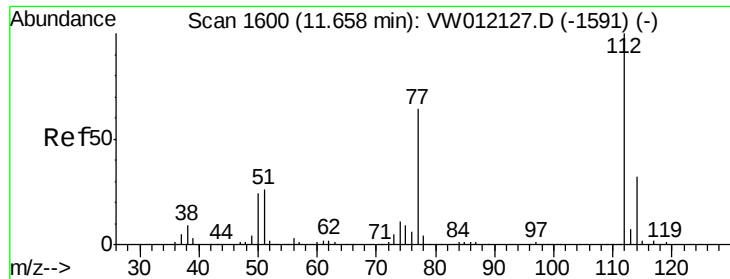
MMDadoda
9/3/2019 10:44:15 AM



#64
Tetrachloroethene
Concen: 54.241 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	113904		
166	125.3		102.4	153.6
129	94.3		75.8	113.6
131	87.2		71.4	107.2





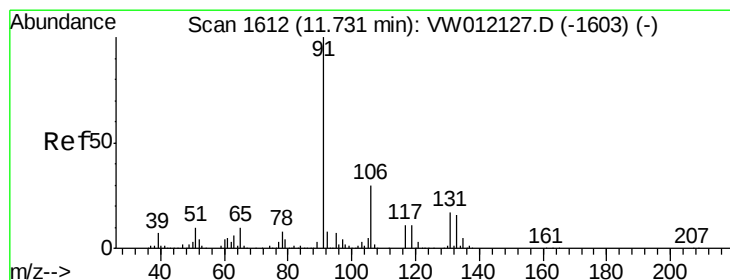
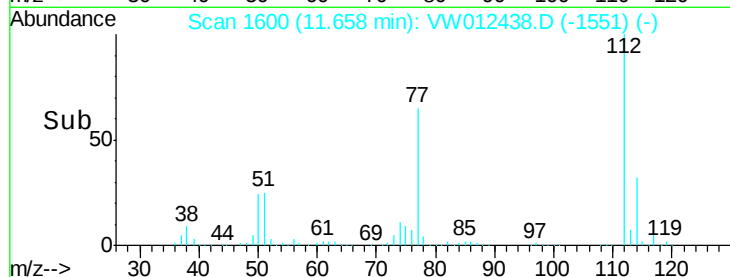
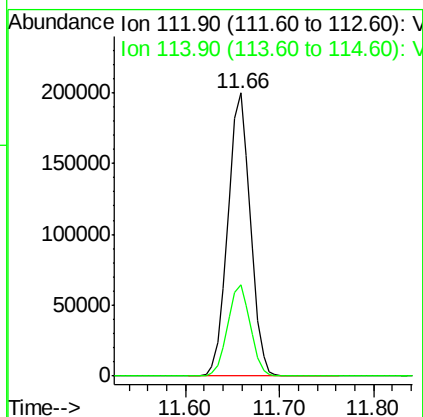
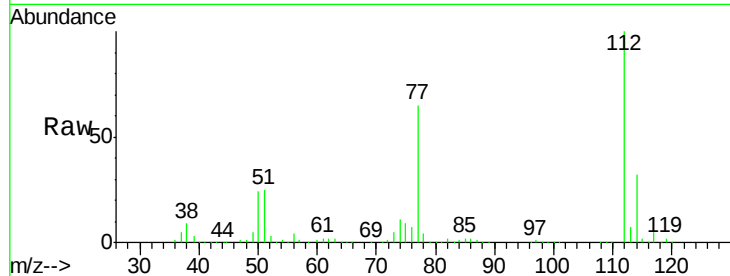
#65
Chlorobenzene
Concen: 51.863 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 330782
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6

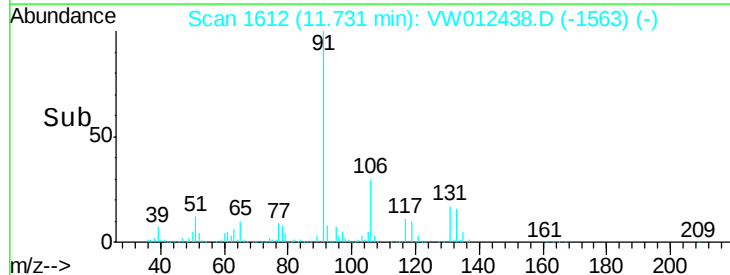
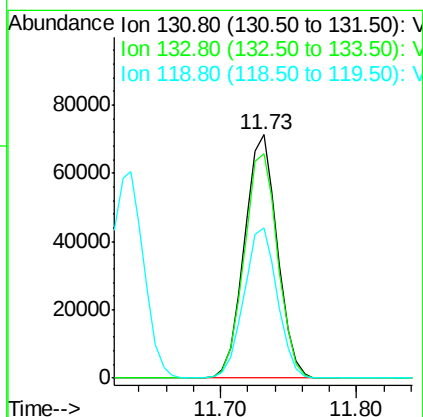
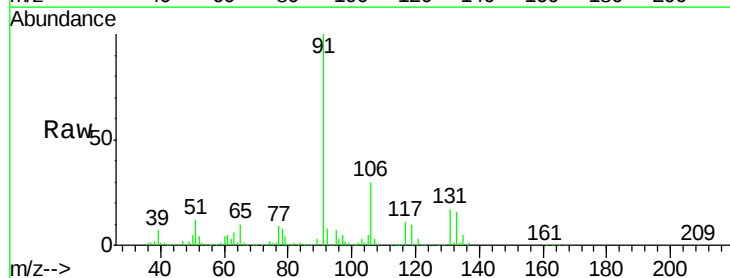
Manual Integrations
APPROVED

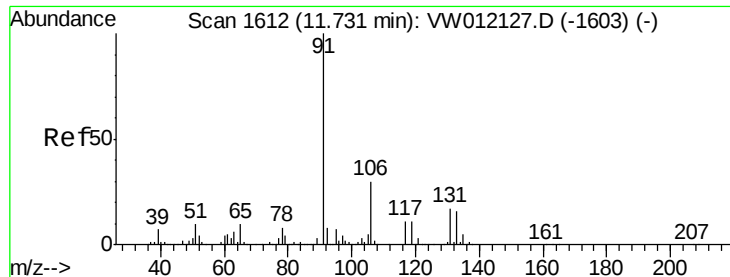
MMDadoda
9/3/2019 10:44:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.179 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion:131 Resp: 120549
Ion Ratio Lower Upper
131 100
133 94.1 47.1 141.3
119 62.5 31.8 95.3





#67

Ethyl Benzene

Concen: 54.170 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 665536

Ion Ratio Lower Upper

91 100

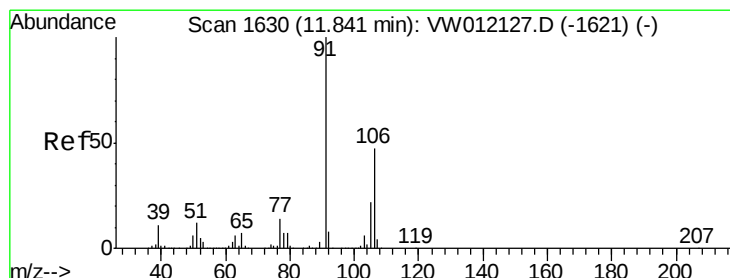
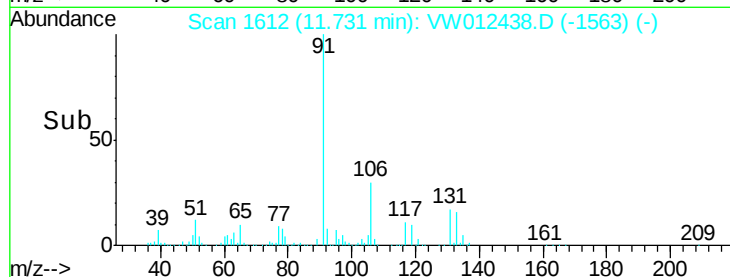
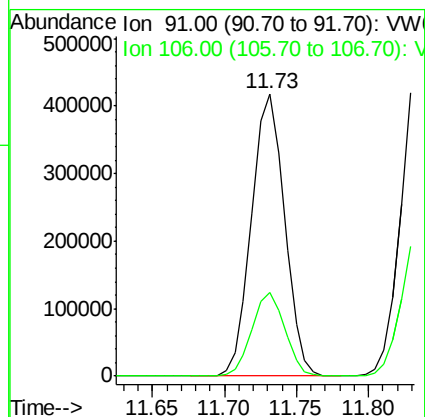
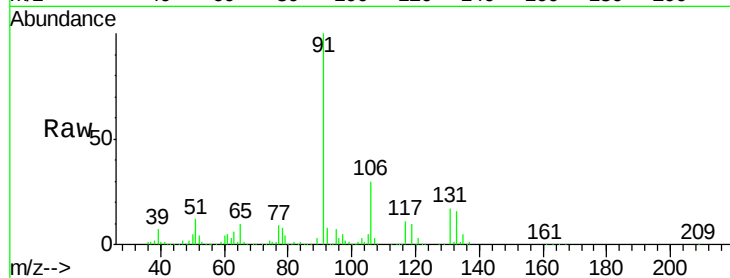
106 29.6 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

9/3/2019 10:44:15 AM



#68

m/p-Xylenes

Concen: 108.479 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012438.D

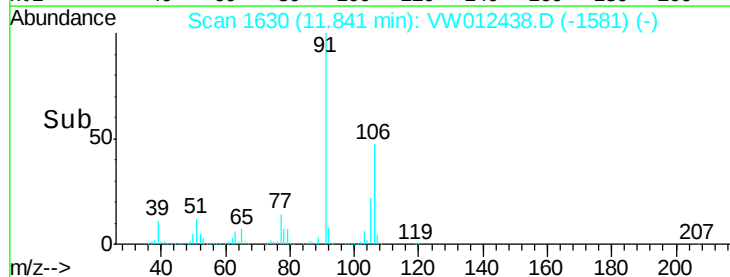
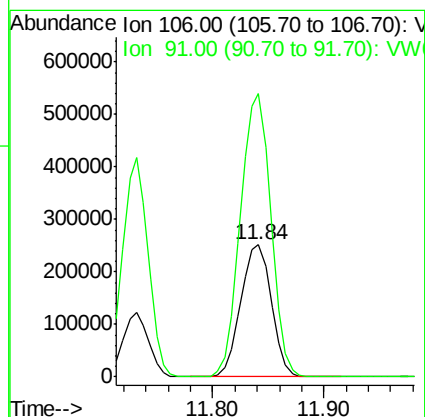
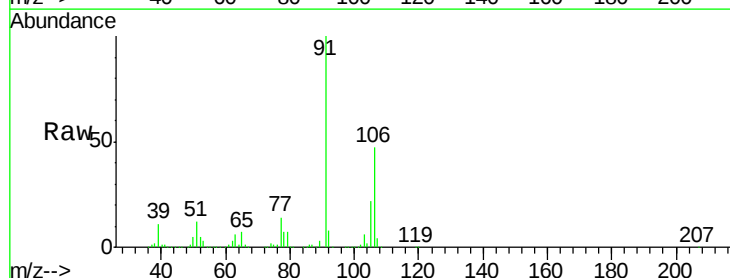
Acq: 01 Sep 2019 10:34

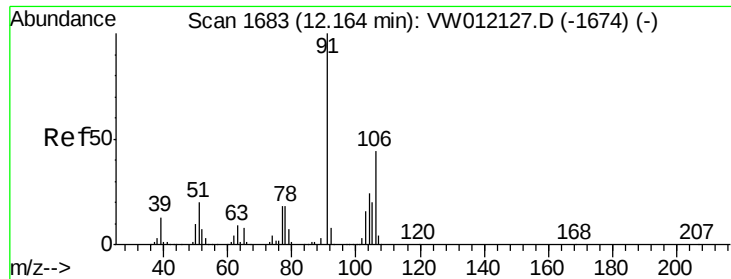
Tgt Ion: 106 Resp: 480081

Ion Ratio Lower Upper

106 100

91 212.9 169.5 254.3





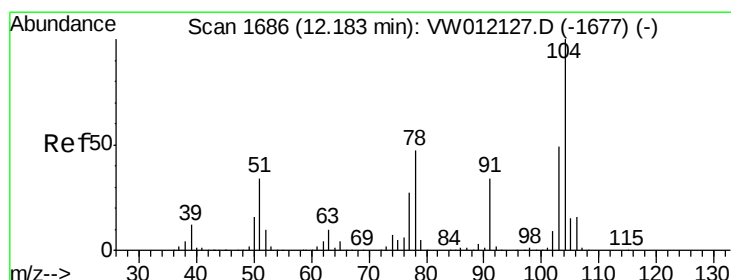
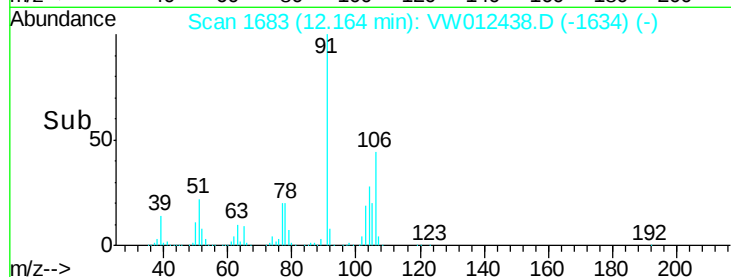
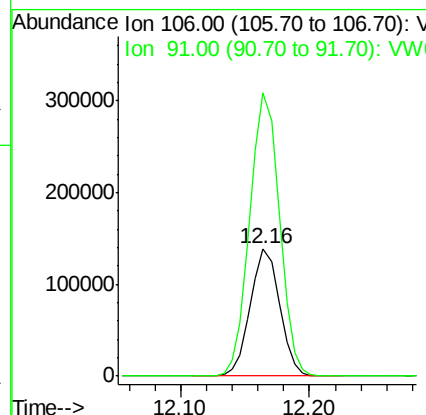
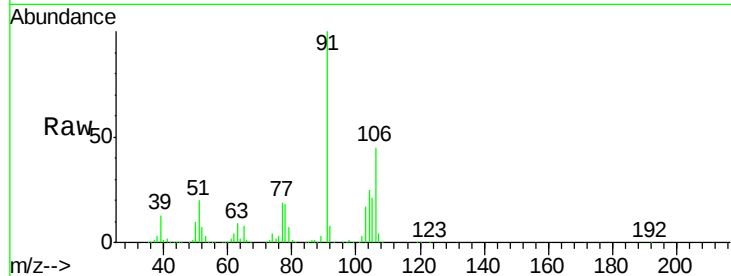
#69
o-Xylene
Concen: 53.277 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		218222		
91	226.0	111.6	334.6		

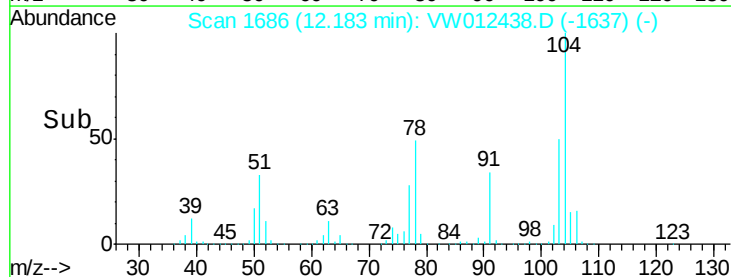
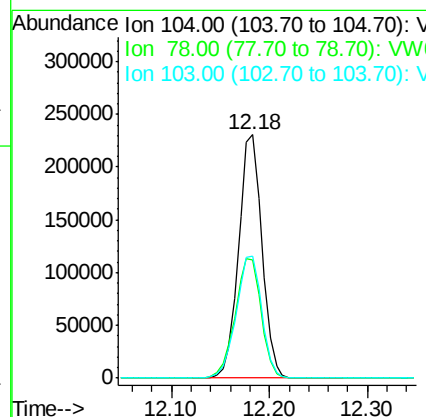
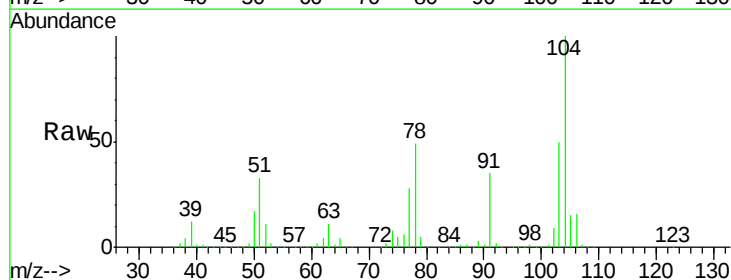
Manual Integrations
APPROVED

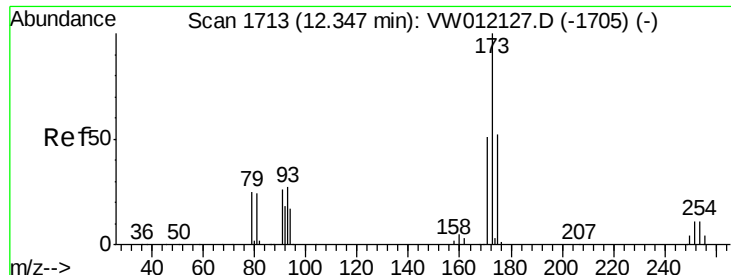
MMDadoda
9/3/2019 10:44:15 AM



#70
Styrene
Concen: 53.755 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		381107		
78	54.9	43.1	64.7		
103	55.1	43.5	65.3		





#71

Bromoform

Concen: 52.237 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 57908

Ion Ratio Lower Upper

173 100

175 48.9 24.6 74.0

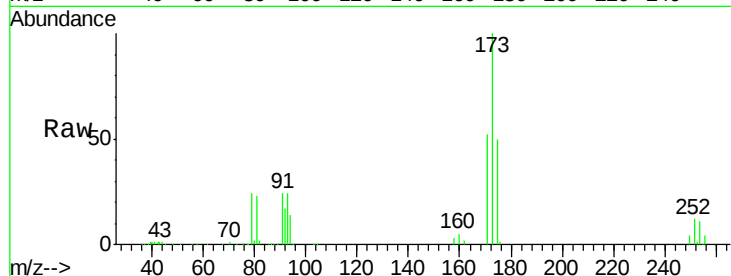
254 0.1 0.2 0.2#

Manual Integrations

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MMDadoda

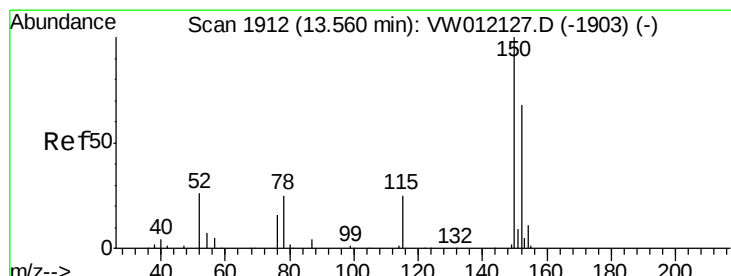
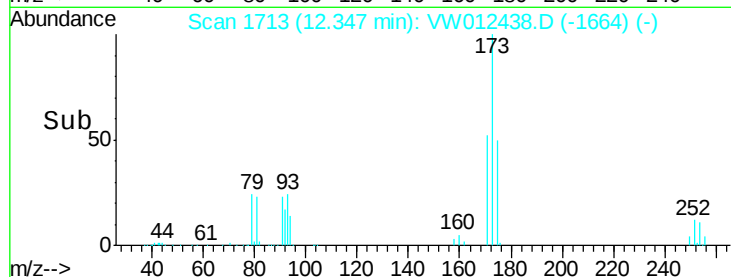
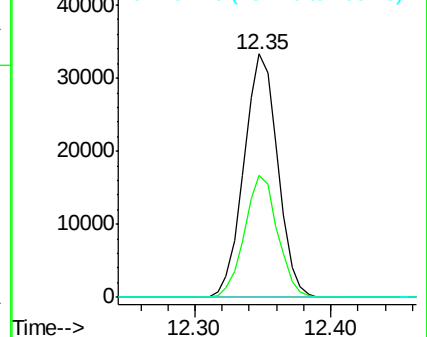
9/3/2019 10:44:15 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

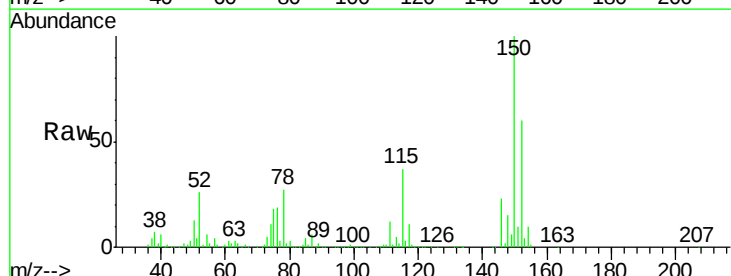
Tgt Ion:152 Resp: 155571

Ion Ratio Lower Upper

152 100

115 61.6 30.1 90.3

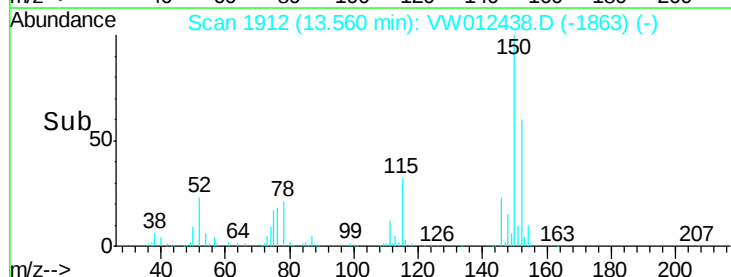
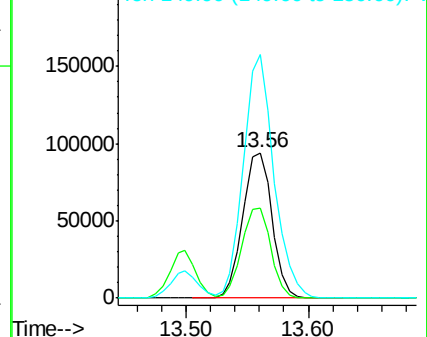
150 174.7 0.0 345.8

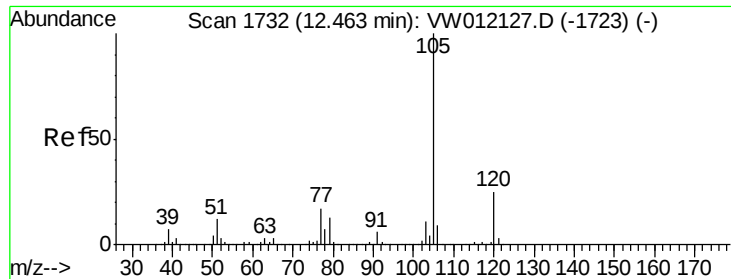


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.550 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 635902

Ion Ratio Lower Upper

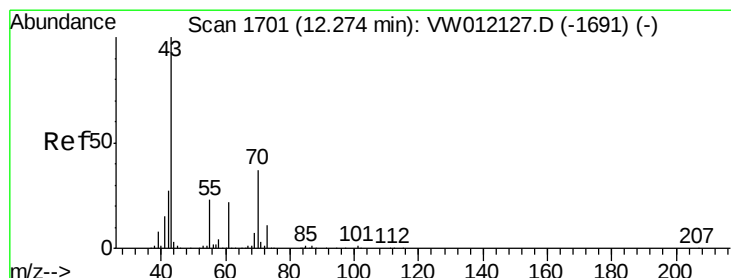
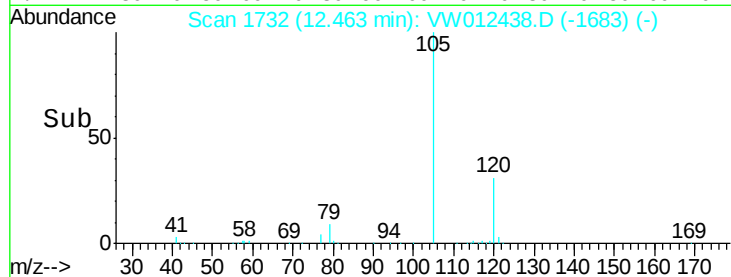
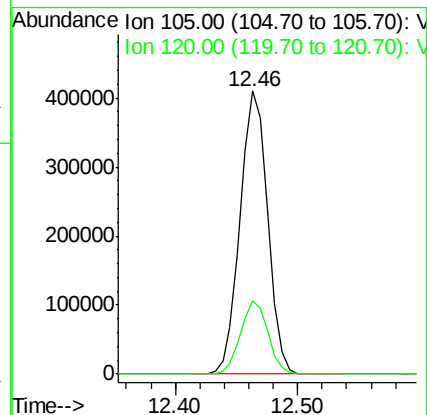
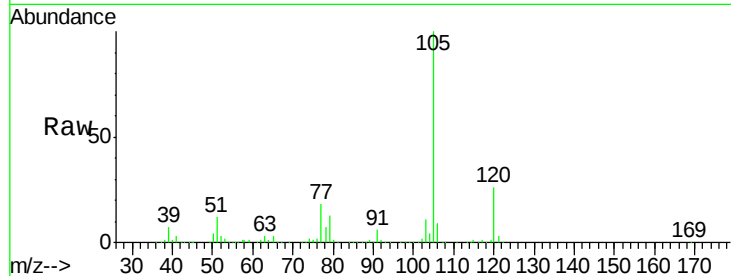
105 100

120 25.6 12.5 37.5

Manual Integrations
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#74

N-ethyl acetate

Concen: 49.588 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Tgt Ion: 43 Resp: 174646

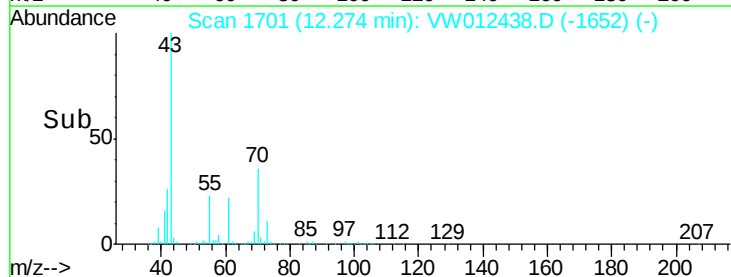
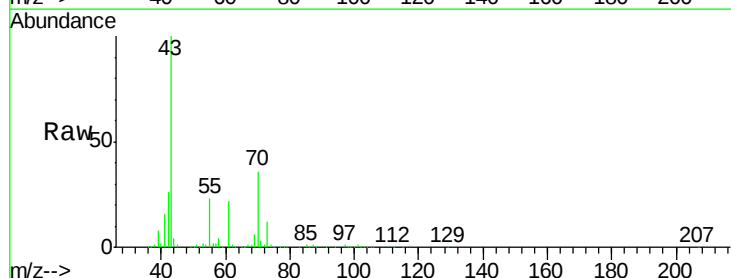
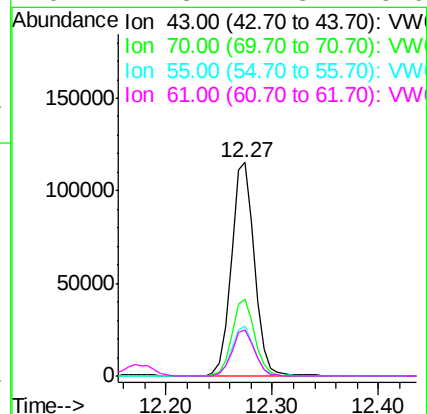
Ion Ratio Lower Upper

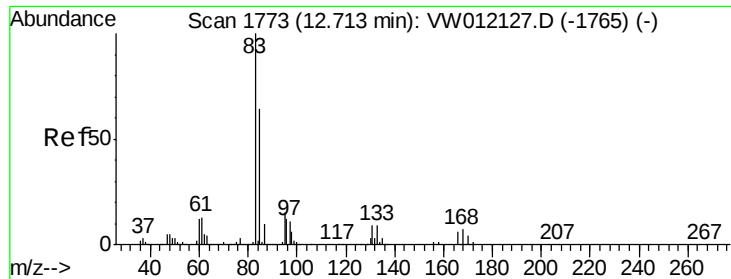
43 100

70 35.5 28.6 43.0

55 23.2 17.8 26.6

61 21.3 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 47.470 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

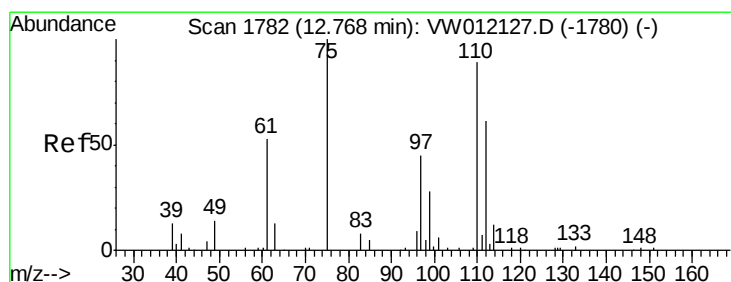
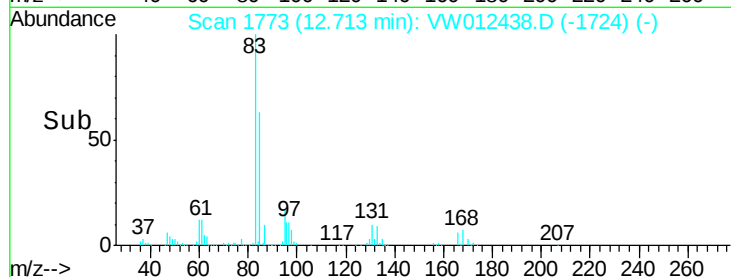
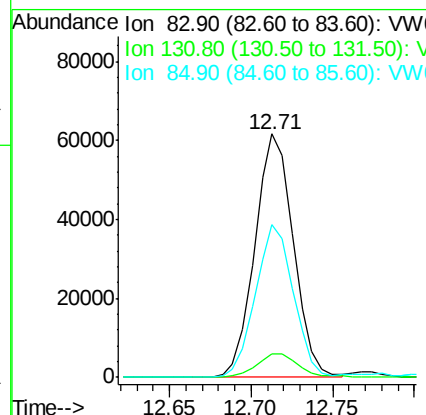
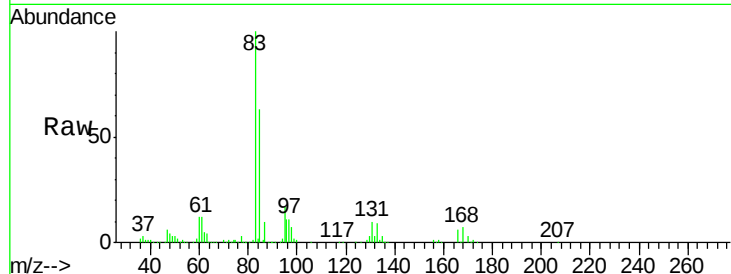
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	101449
Ion Ratio	Lower	Upper	
83	100		
131	10.6	4.9	14.7
85	62.1	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.181 ug/l m

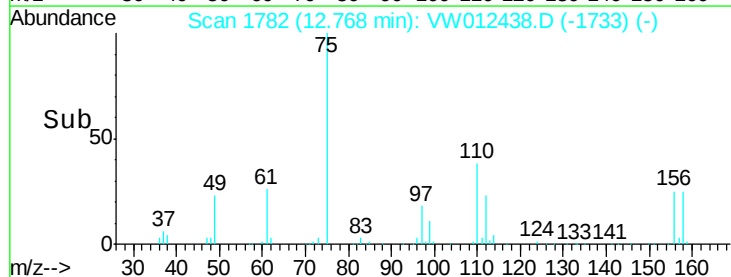
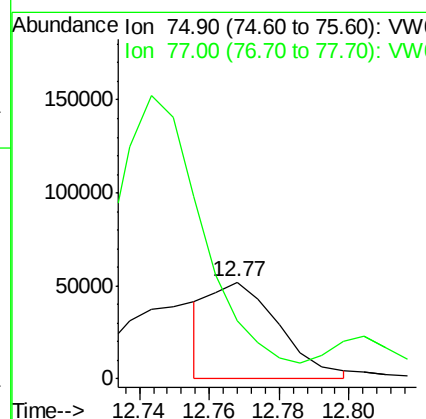
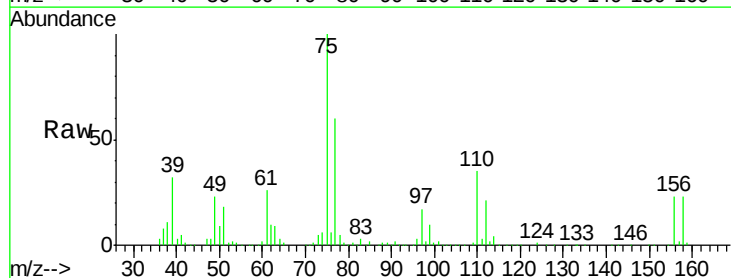
RT: 12.77 min Scan# 1782

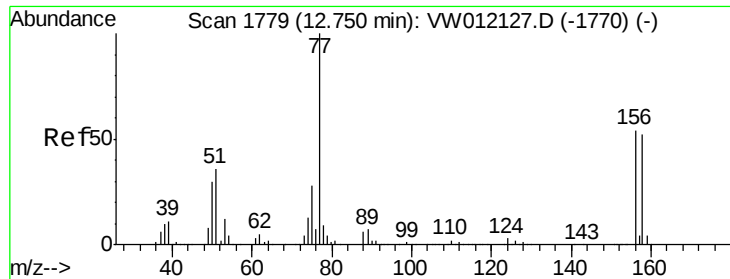
Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Tgt Ion:	75	Resp:	71486
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.686 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 132870

Ion Ratio Lower Upper

156 100

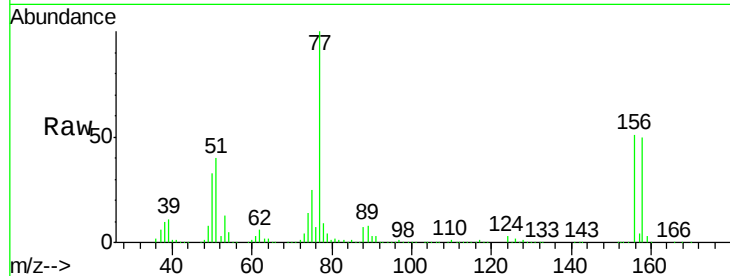
77 207.7 107.3 321.8

158 96.2 49.0 147.0

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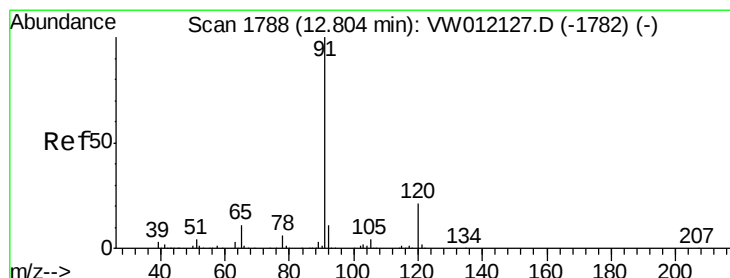
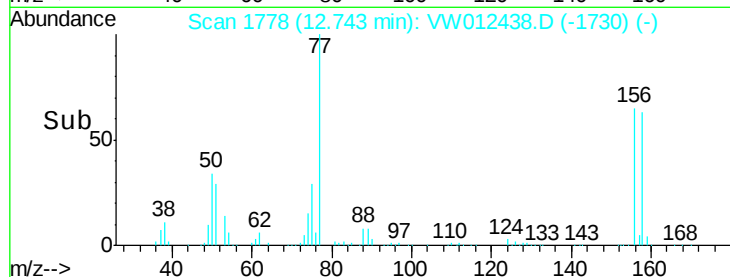
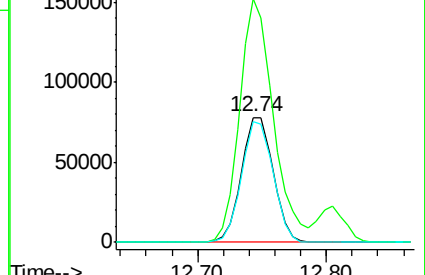
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.870 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012438.D

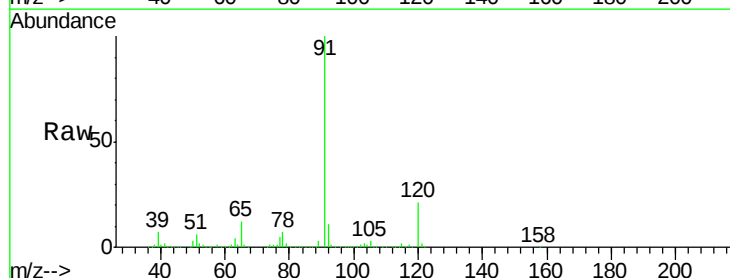
Acq: 01 Sep 2019 10:34

Tgt Ion: 91 Resp: 780857

Ion Ratio Lower Upper

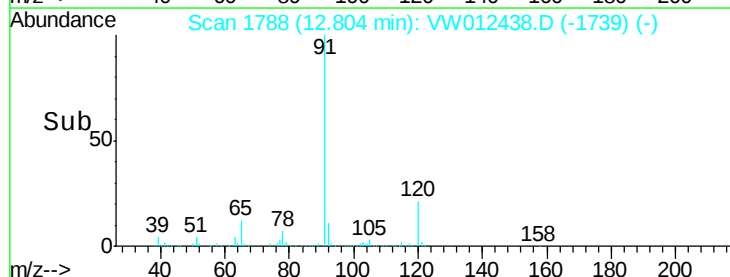
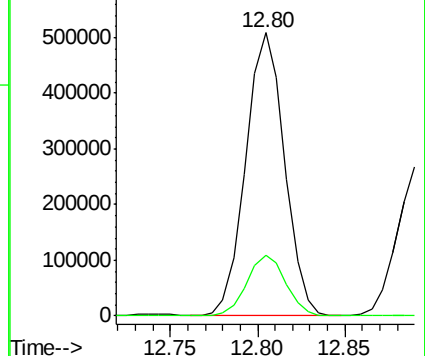
91 100

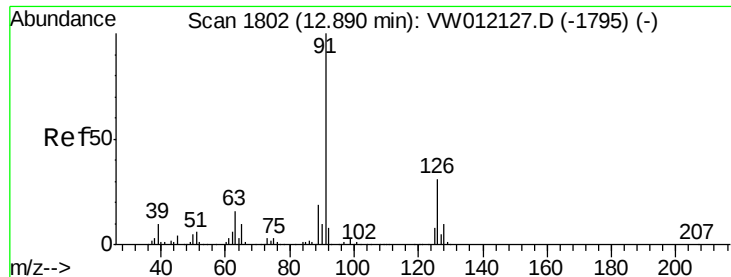
120 21.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





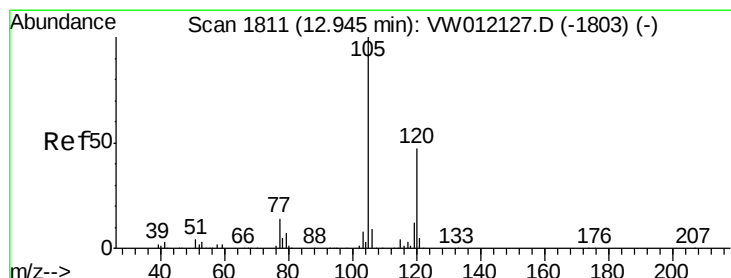
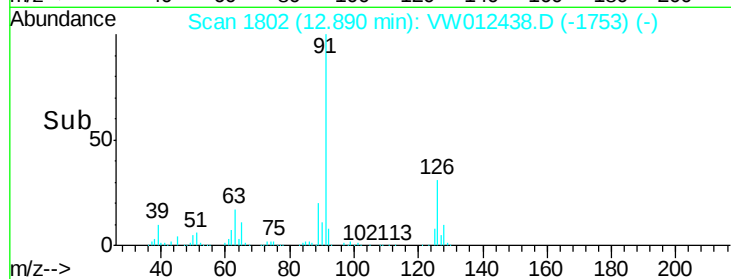
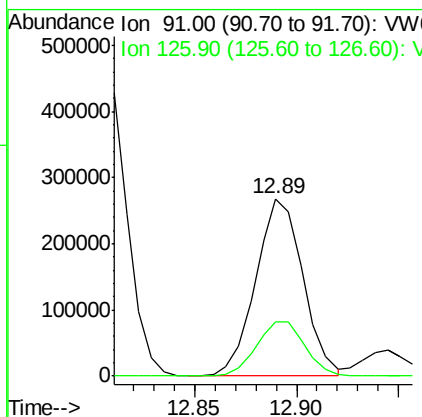
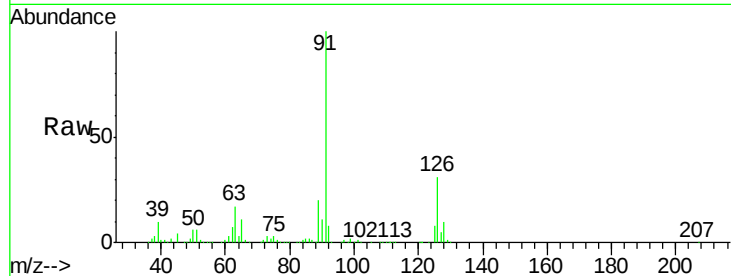
#79
 2-Chlorotoluene
 Concen: 53.354 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 431075
 Ion Ratio Lower Upper
 91 100
 126 31.8 15.7 47.0

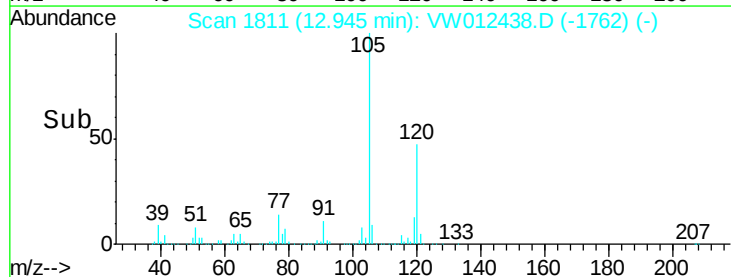
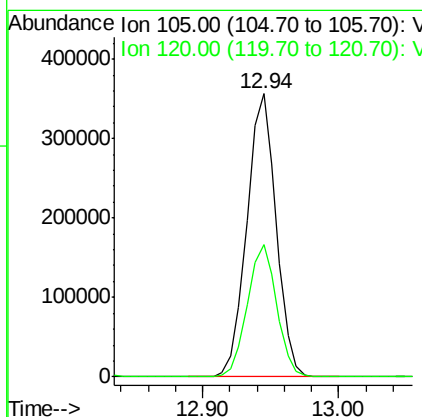
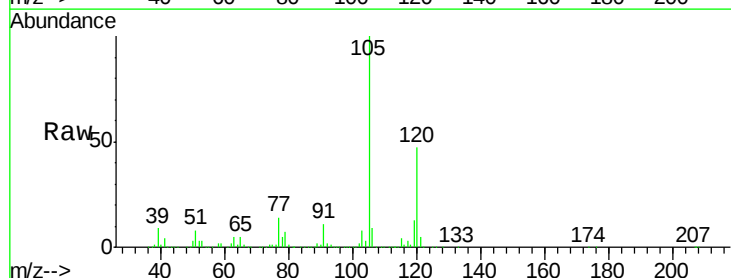
Manual Integrations
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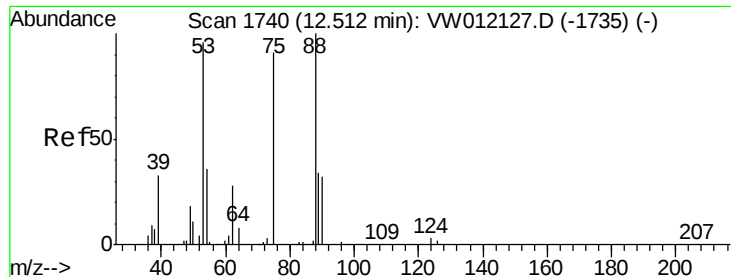
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 55.126 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion: 105 Resp: 536970
 Ion Ratio Lower Upper
 105 100
 120 47.0 24.0 72.0





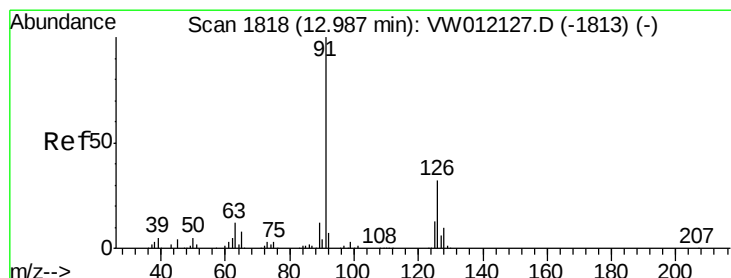
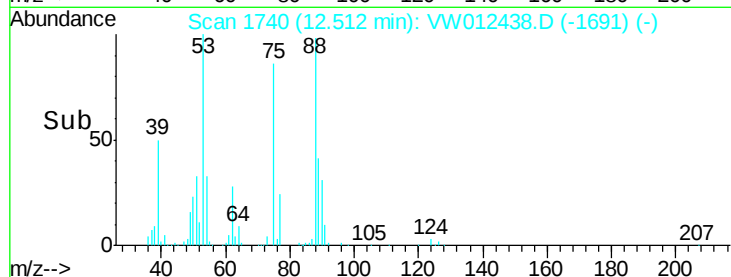
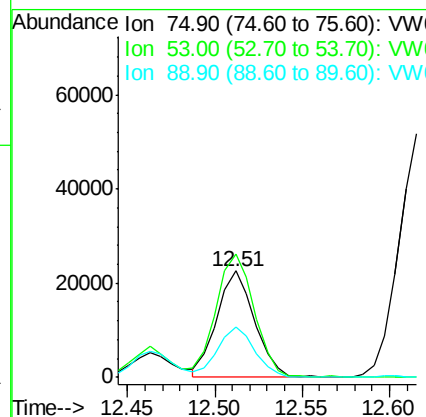
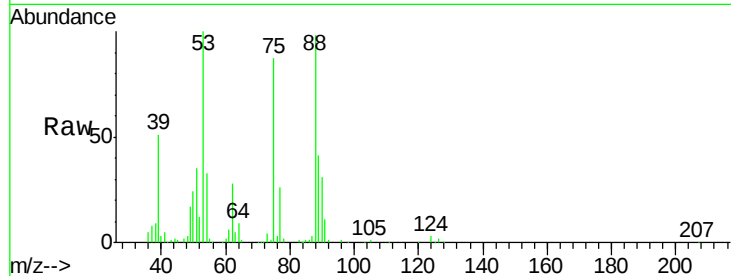
#81
trans-1,4-Dichloro-2-butene
Concen: 48.710 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.1	89.4	134.0
89	46.7	34.5	51.7

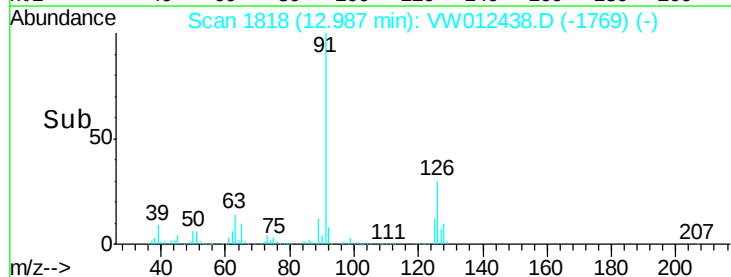
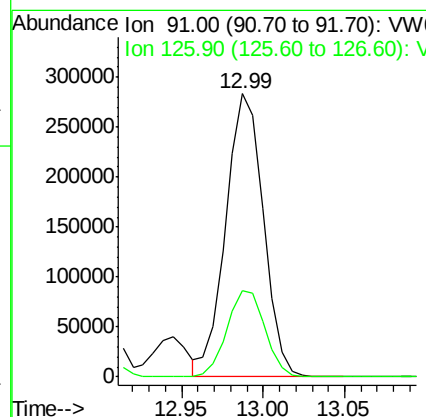
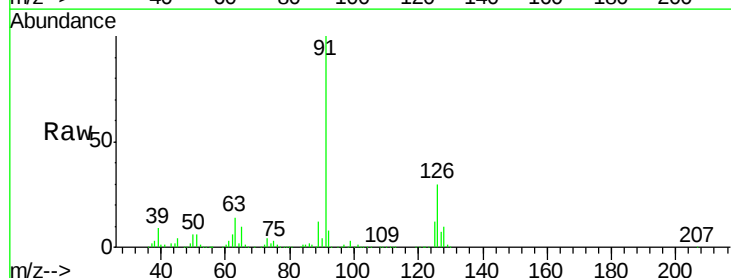
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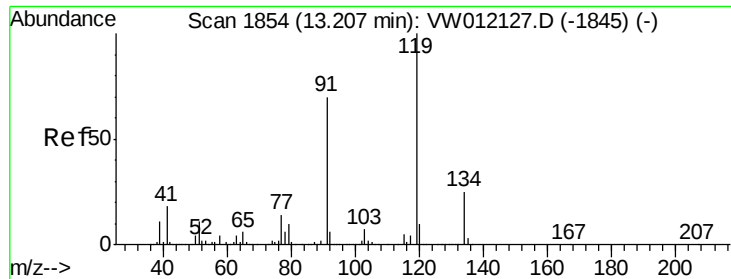
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#82
4-Chlorotoluene
Concen: 53.651 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





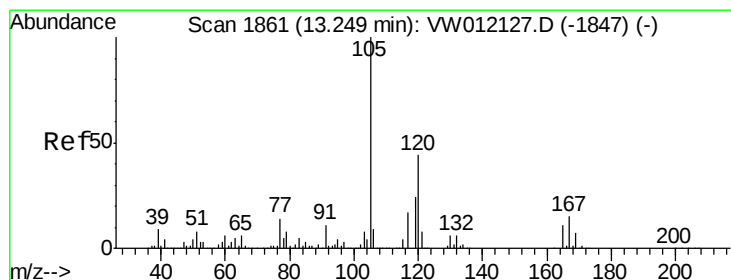
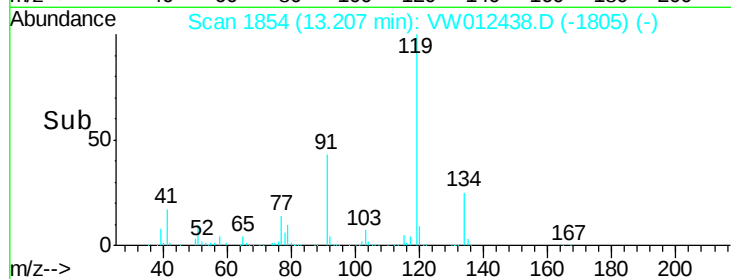
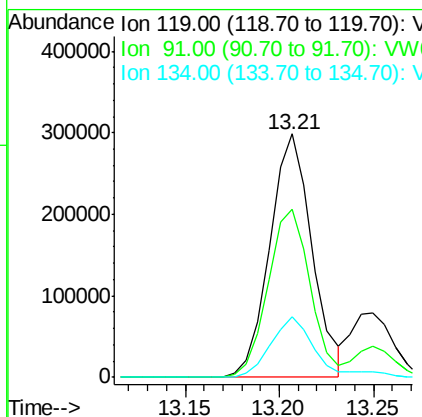
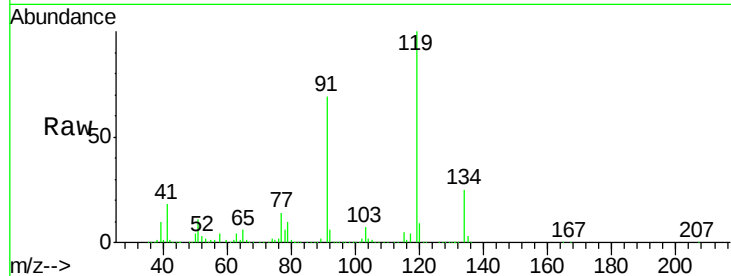
#83
tert-Butylbenzene
Concen: 56.198 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.1	34.8	104.3
134	24.6	13.3	39.8

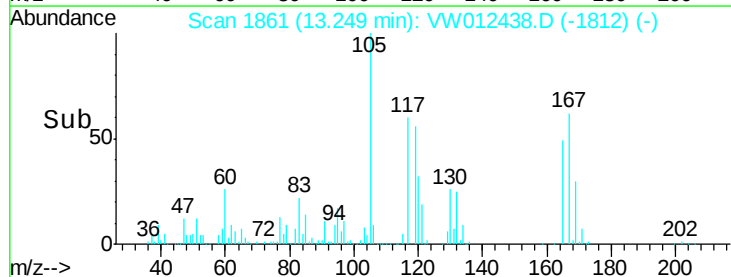
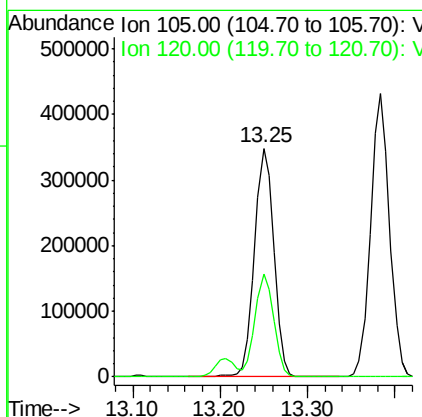
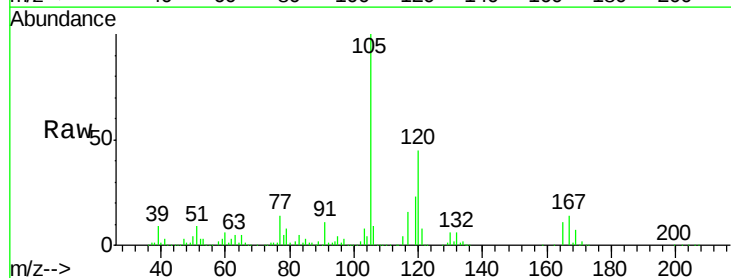
Manual Integrations
APPROVED

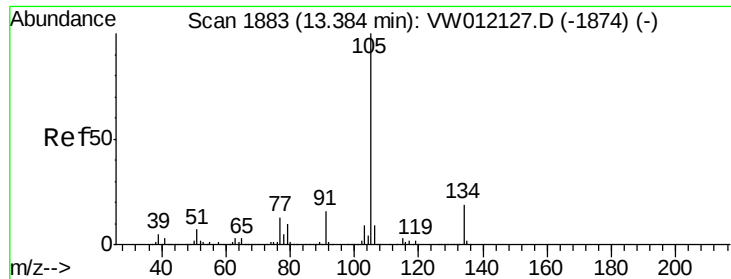
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#84
1,2,4-Trimethylbenzene
Concen: 54.810 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.9	65.7





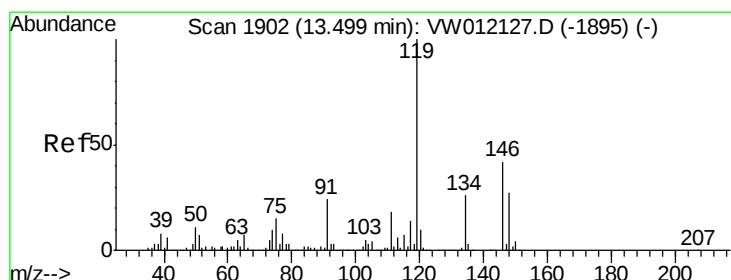
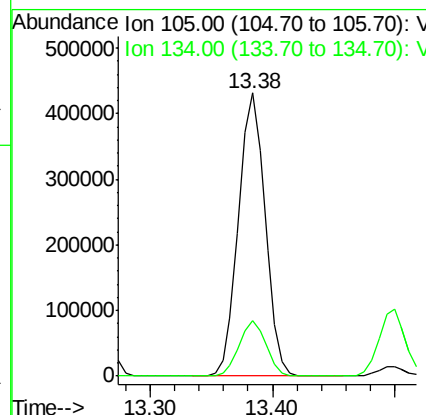
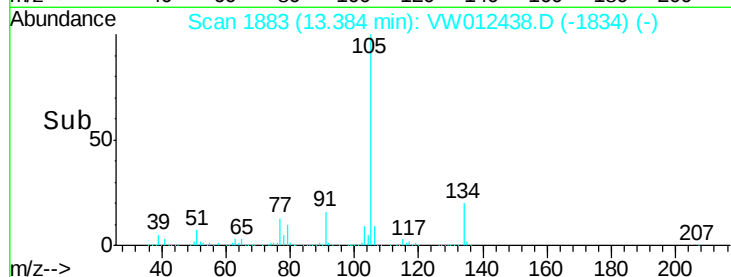
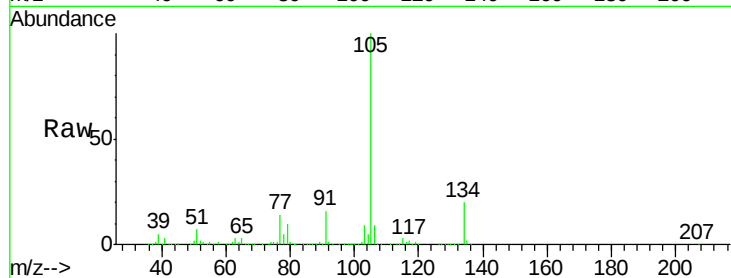
#85
 sec-Butylbenzene
 Concen: 55.194 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	652465		
134	19.5	9.8	29.4	

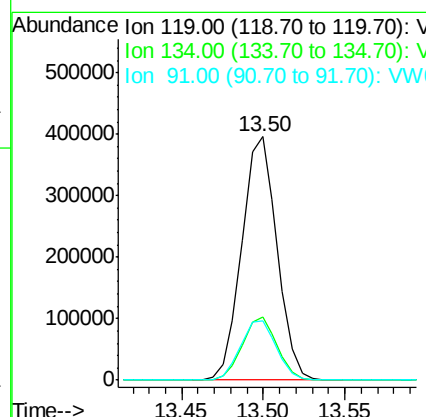
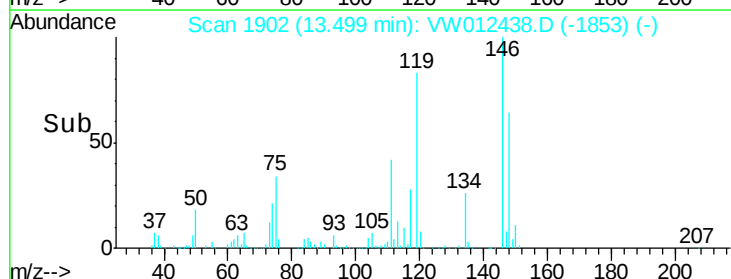
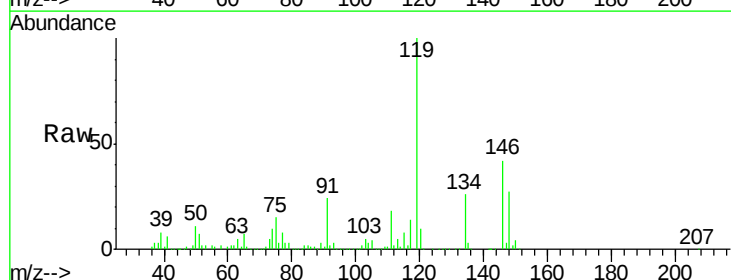
Manual Integrations
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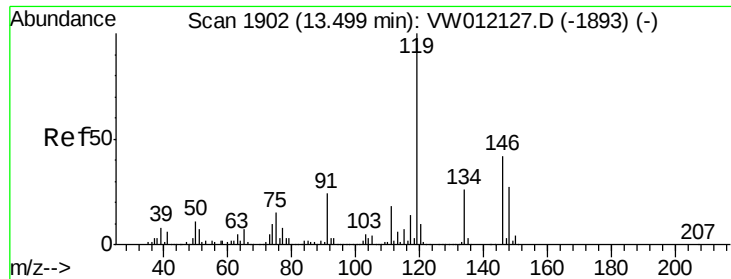
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 9/3/2019 10:44:15 AM



#86
 p-Isopropyltoluene
 Concen: 56.365 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	595054		
134	25.5	12.8	38.3	
91	24.8	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 53.376 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Instrument :

MSVOA_W

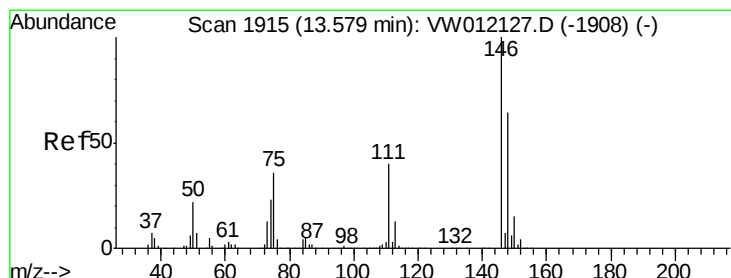
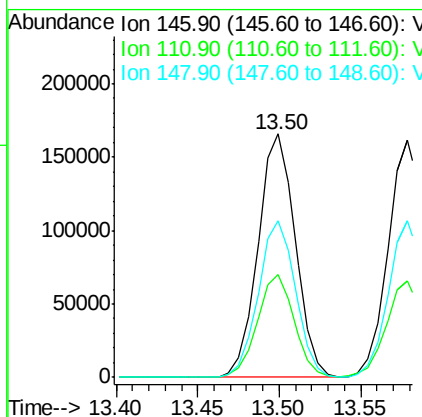
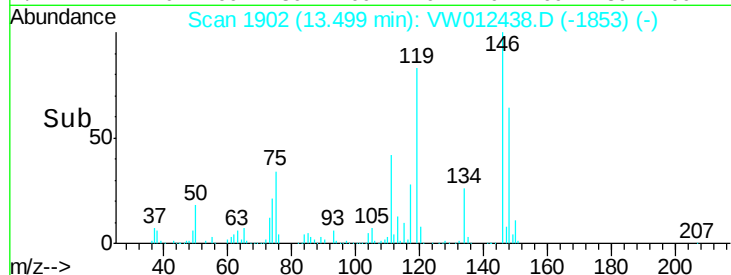
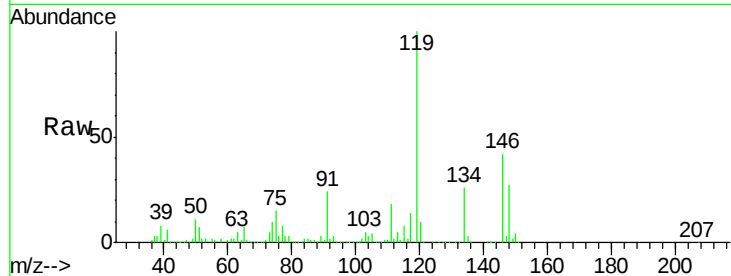
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	263290
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.9	62.7
148	64.0	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.427 ug/l

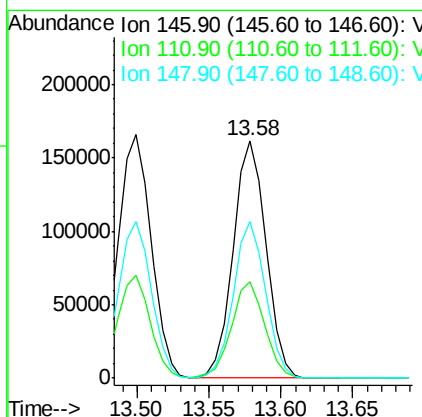
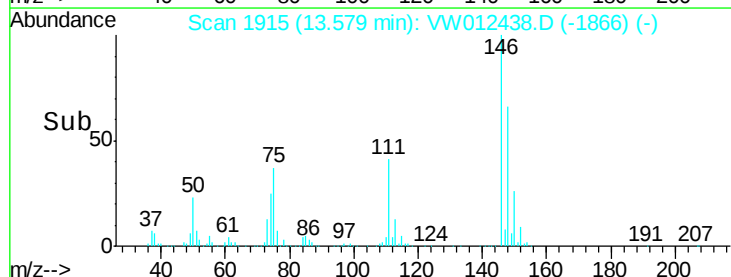
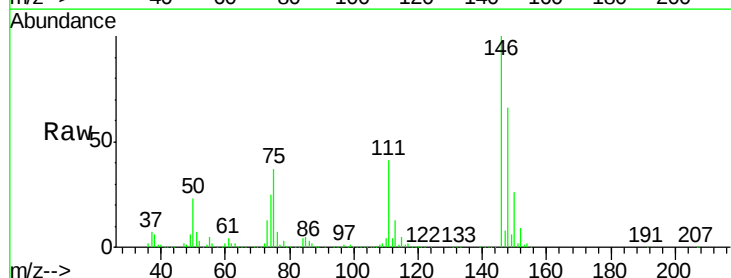
RT: 13.58 min Scan# 1915

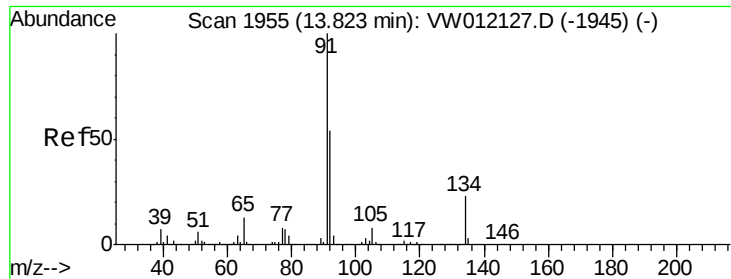
Delta R.T. -0.00 min

Lab File: VW012438.D

Acq: 01 Sep 2019 10:34

Tgt Ion:	146	Resp:	256781
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.0	60.0
148	64.9	32.1	96.3





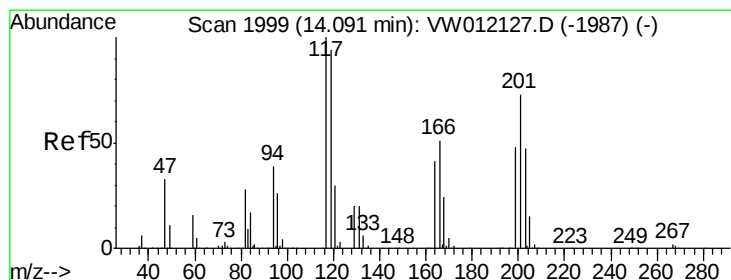
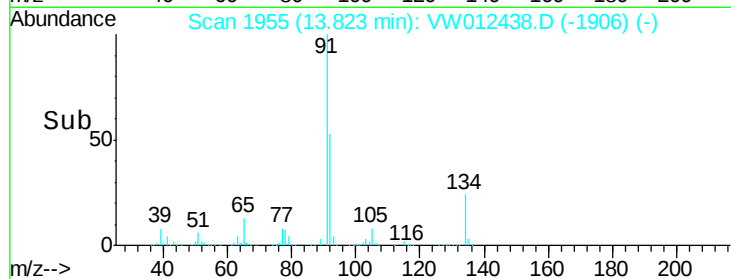
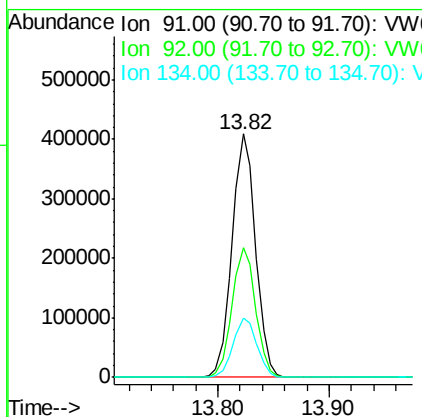
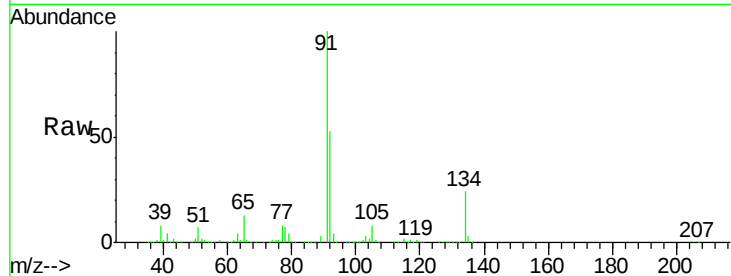
#89
n-Butylbenzene
Concen: 56.754 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.6	27.1	81.2	
134	24.6	12.2	36.4	

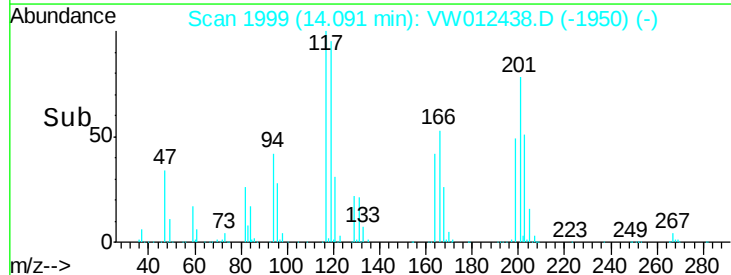
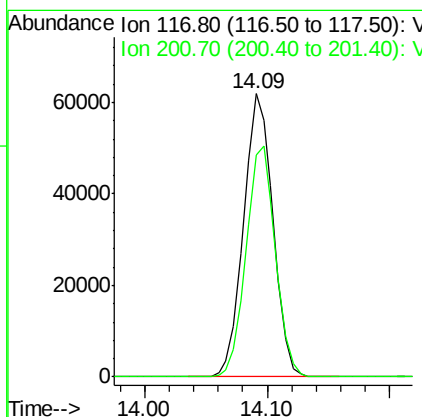
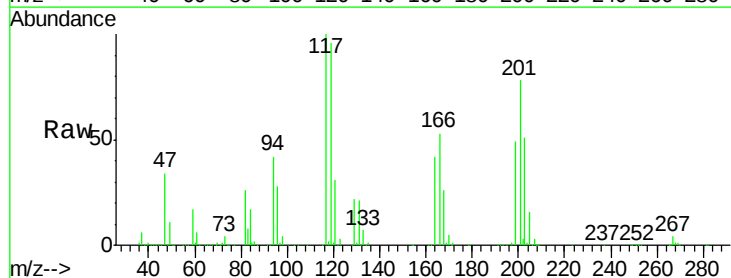
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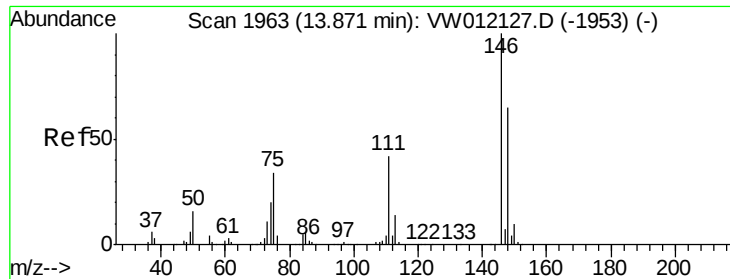
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#90
Hexachloroethane
Concen: 55.668 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	81.4	38.6	115.7	





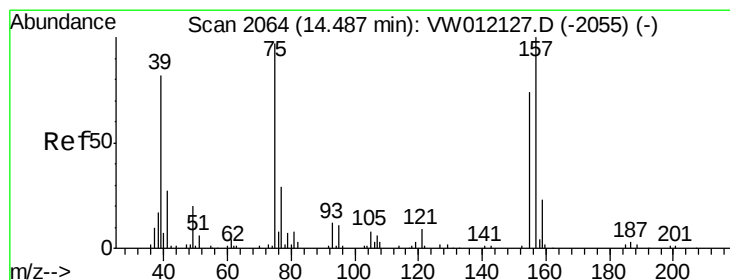
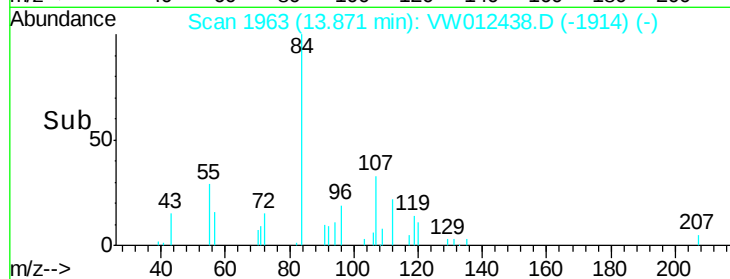
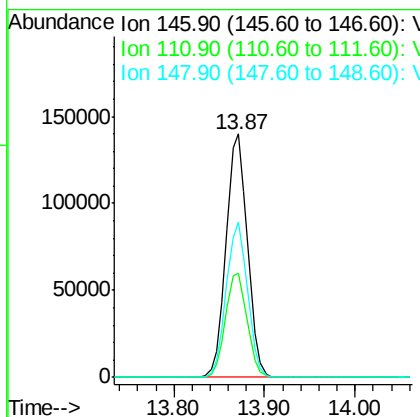
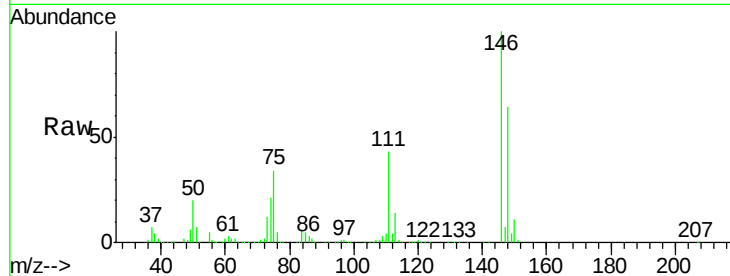
#91
 1,2-Dichlorobenzene
 Concen: 52.761 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.2	63.6
148	63.9	32.5	97.4

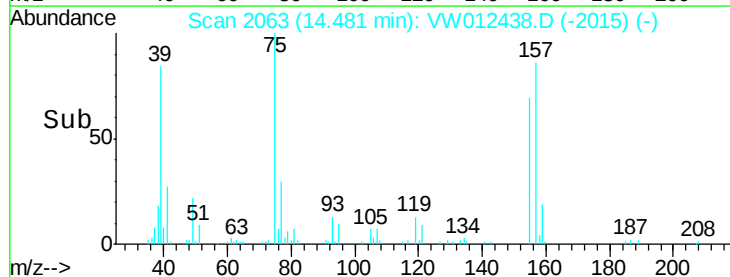
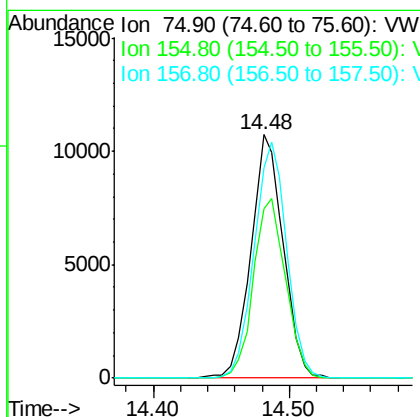
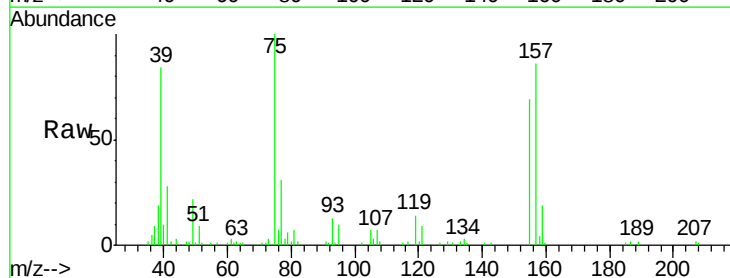
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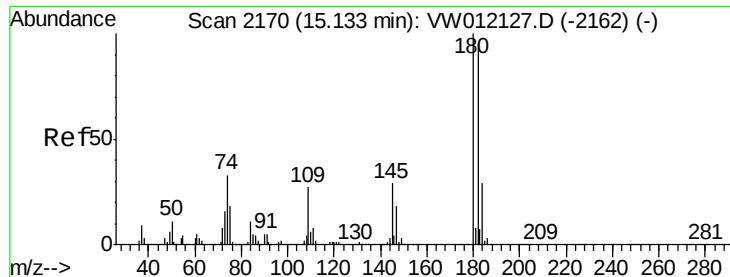
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.428 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.6	37.5	112.3
157	97.9	50.5	151.5





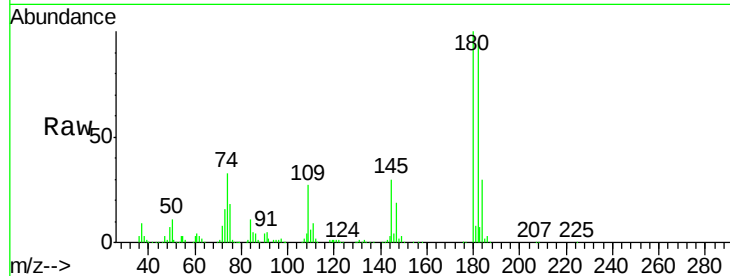
#93
 1,2,4-Trichlorobenzene
 Concen: 55.037 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

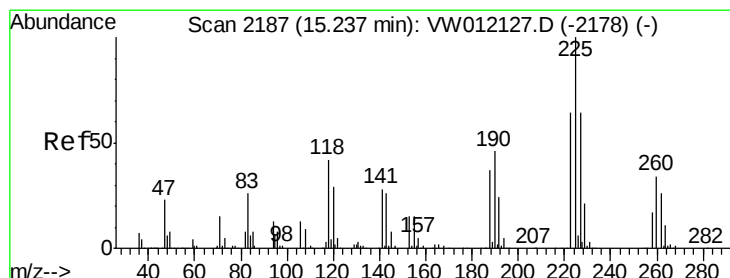
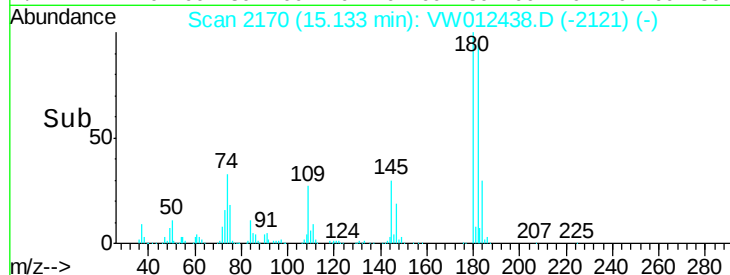
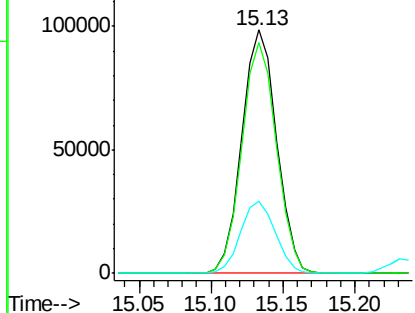
Tot Ion	Ratio	Resp	Lower	Upper
180	100	164586		
182	94.0	47.8	143.4	
145	29.8	15.0	45.1	

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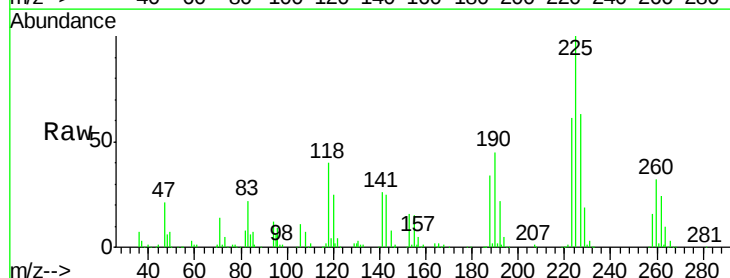


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

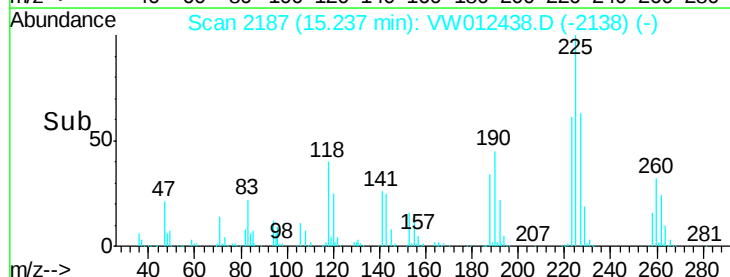
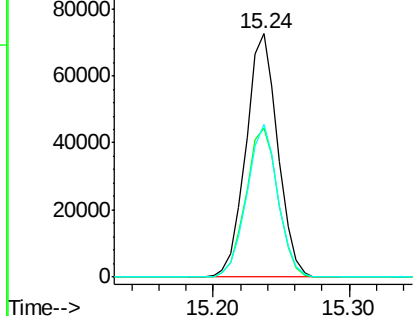


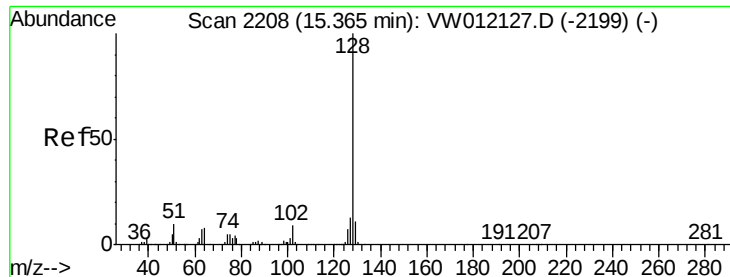
#94
 Hexachlorobutadiene
 Concen: 60.041 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012438.D
 Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	118555		
223	61.9	32.3	96.8	
227	61.6	32.9	98.6	



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





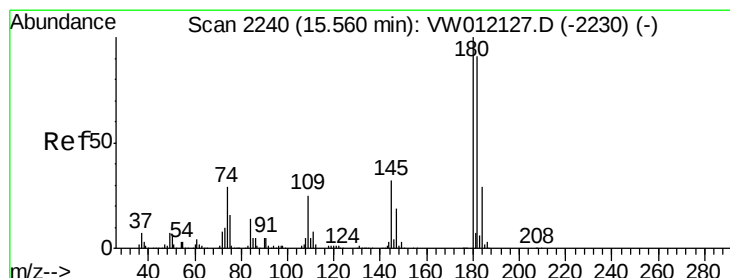
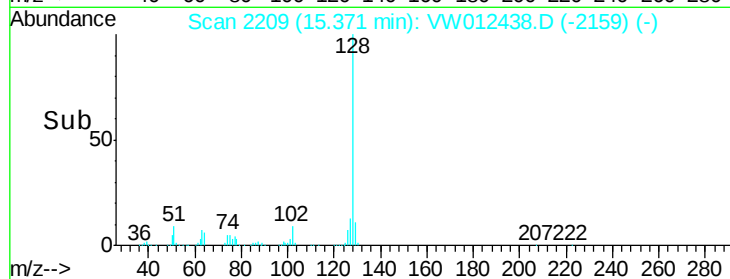
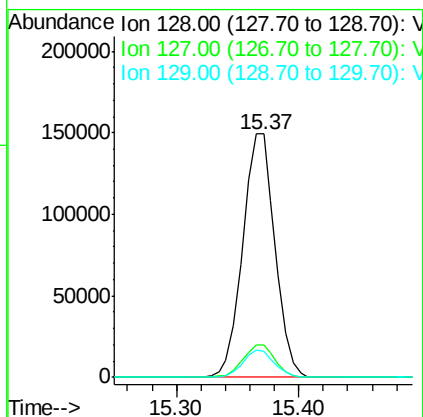
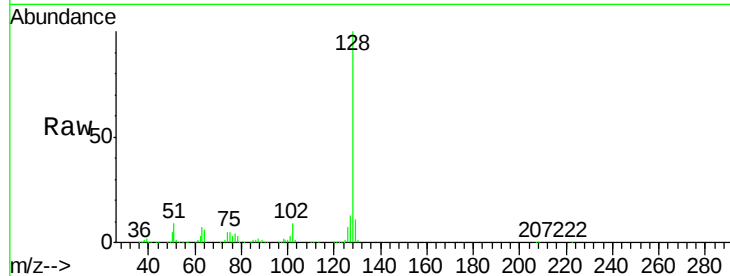
#95
Naphthalene
Concen: 46.878 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	11.0	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.307 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012438.D
Acq: 01 Sep 2019 10:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.1	141.3
145	31.7	16.2	48.5

