

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091119\
 Data File : VW012908.D
 Acq On : 11 Sep 2019 11:14
 Operator : SY/VA
 Sample : VW0911SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:32:41 AM

Quant Time: Sep 11 12:40:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	208482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	305530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	261692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133376	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	104719	44.95	ug/l	0.00
Spiked Amount			Recovery	=	89.90%	
35) Dibromofluoromethane	7.88	113	89120	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	10.32	98	355516	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.62	95	124918	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	25452	22.519	ug/l	93
3) Chloromethane	2.21	50	30983	22.557	ug/l	98
4) Vinyl Chloride	2.35	62	40538	24.070	ug/l	99
5) Bromomethane	2.72	94	21281	23.270	ug/l	97
6) Chloroethane	2.89	64	23329	23.213	ug/l	97
7) Trichlorofluoromethane	3.24	101	24844	21.377	ug/l	95
8) Diethyl Ether	3.67	74	19456	19.918	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	38444	21.079	ug/l	97
10) Methyl Iodide	4.26	142	50366	21.937	ug/l	97
11) Tert butyl alcohol	5.16	59	19843	111.336	ug/l	98
12) 1,1-Dichloroethene	4.03	96	36061	20.945	ug/l	91
13) Acrolein	3.89	56	11914	62.993	ug/l	99
14) Allyl chloride	4.65	41	66194	18.586	ug/l	97
15) Acrylonitrile	5.35	53	47037	82.445	ug/l	98
16) Acetone	4.11	43	50723	79.872	ug/l	100
17) Carbon Disulfide	4.37	76	74185	20.299	ug/l	96
18) Methyl Acetate	4.67	43	23418	15.718	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	63517	18.602	ug/l	98
20) Methylene Chloride	4.91	84	41771	21.025	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	38048	21.658	ug/l	87
22) Diisopropyl ether	6.31	45	136155	19.275	ug/l	98
23) Vinyl Acetate	6.24	43	389803	87.074	ug/l	99
24) 1,1-Dichloroethane	6.21	63	75892	19.953	ug/l	98
25) 2-Butanone	7.17	43	67764	86.446	ug/l	98
26) 2,2-Dichloropropane	7.16	77	50214	20.903	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	44583	21.887	ug/l	97
28) Bromochloromethane	7.51	49	29590	16.943	ug/l #	89
29) Tetrahydrofuran	7.52	42	38521	75.115	ug/l	93
30) Chloroform	7.67	83	76879	20.395	ug/l	100
31) Cyclohexane	7.95	56	68520	20.011	ug/l #	88
32) 1,1,1-Trichloroethane	7.87	97	64019	20.952	ug/l	99
36) 1,1-Dichloropropene	8.08	75	59103	21.771	ug/l	98
37) Ethyl Acetate	7.24	43	27389	15.827	ug/l	97
38) Carbon Tetrachloride	8.07	117	58713	21.940	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	65199	21.384	ug/l	98
40) Benzene	8.32	78	159606	21.190	ug/l	96
41) Methacrylonitrile	7.48	41	18668	18.489	ug/l	98
42) 1,2-Dichloroethane	8.40	62	53330	20.118	ug/l	100
43) Isopropyl Acetate	8.42	43	54275	16.554	ug/l	96
44) Trichloroethene	9.09	130	43315	22.310	ug/l	91
45) 1,2-Dichloropropane	9.37	63	41976	20.094	ug/l	99
46) Dibromomethane	9.46	93	19581	19.794	ug/l	95
47) Bromodichloromethane	9.64	83	55172	20.272	ug/l	97
48) Methyl methacrylate	9.43	41	25901	16.531	ug/l	99
49) 1,4-Dioxane	9.45	88	7120	364.376	ug/l #	88
51) 4-Methyl-2-Pentanone	10.21	43	140286	81.543	ug/l	96
52) Toluene	10.38	92	102740	21.855	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	53772	19.214	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	62293	19.622	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	29272	19.765	ug/l	98
56) Ethyl methacrylate	10.65	69	38272	17.654	ug/l	98
57) 1,3-Dichloropropane	10.93	76	53520	19.534	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	101425	88.127	ug/l	95
59) 2-Hexanone	10.97	43	95952	76.340	ug/l	96
60) Dibromochloromethane	11.12	129	33742	19.372	ug/l	99
61) 1,2-Dibromoethane	11.23	107	26549	19.553	ug/l	99
64) Tetrachloroethene	10.86	164	37235	23.449	ug/l	97
65) Chlorobenzene	11.66	112	107003	21.634	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	39932	21.679	ug/l	100
67) Ethyl Benzene	11.73	91	201713	21.736	ug/l	97
68) m/p-Xylenes	11.84	106	147211	43.948	ug/l	100
69) o-Xylene	12.16	106	70180	22.208	ug/l	96
70) Styrene	12.18	104	121136	21.693	ug/l	99
71) Bromoform	12.35	173	19473	19.029	ug/l #	97
73) Isopropylbenzene	12.46	105	199756	20.882	ug/l	99
74) N-amyl acetate	12.27	43	48743	16.053	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	33359	17.364	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	27289m	20.009	ug/l	
77) Bromobenzene	12.75	156	45328	20.915	ug/l	93
78) n-propylbenzene	12.80	91	240022	20.979	ug/l	100
79) 2-Chlorotoluene	12.89	91	137444	20.926	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	174125	21.601	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10238	15.877	ug/l	94
82) 4-Chlorotoluene	12.99	91	143967	20.722	ug/l	99
83) tert-Butylbenzene	13.21	119	150990	21.184	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	172801	21.275	ug/l	100
85) sec-Butylbenzene	13.38	105	213597	21.597	ug/l	98
86) p-Isopropyltoluene	13.50	119	192938	21.357	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	90105	21.152	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	89410	21.093	ug/l	100
89) n-Butylbenzene	13.82	91	182951	20.860	ug/l	99
90) Hexachloroethane	14.09	117	32319	20.493	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	80501	20.996	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5774	16.423	ug/l	99

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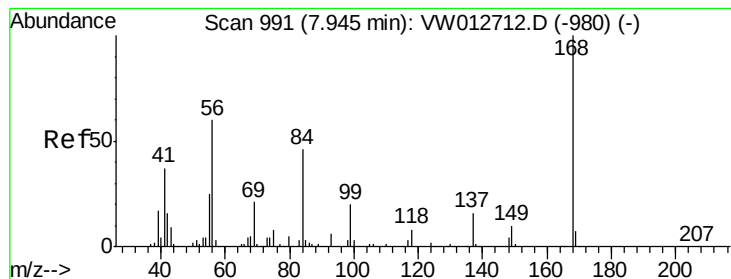
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	55957	20.962	ug/l	98
94) Hexachlorobutadiene	15.24	225	41050	22.217	ug/l	99
95) Naphthalene	15.36	128	85292	18.328	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	47147	20.009	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

ClientSampled :

VW0911SBS01

Tot Ion:168 Resp: 208482

Ion Ratio Lower Upper

168 100

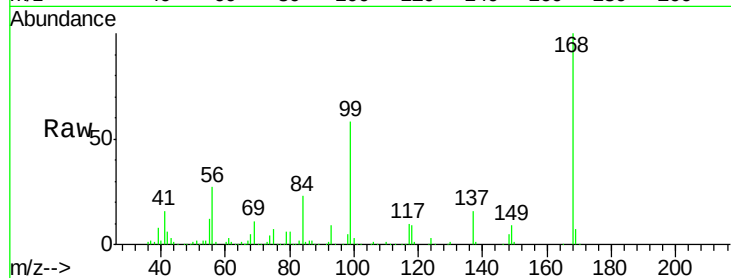
99 57.8 47.8 71.6

Manual Integrations

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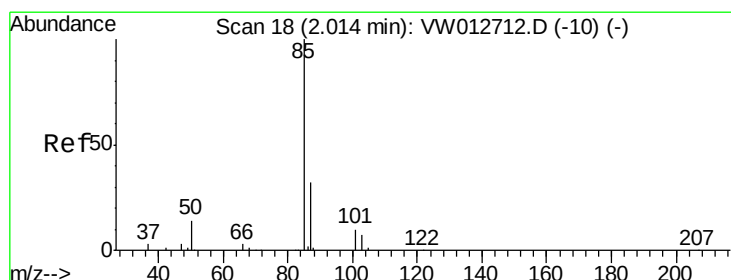
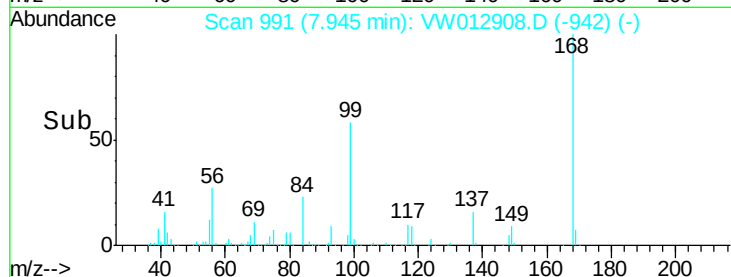
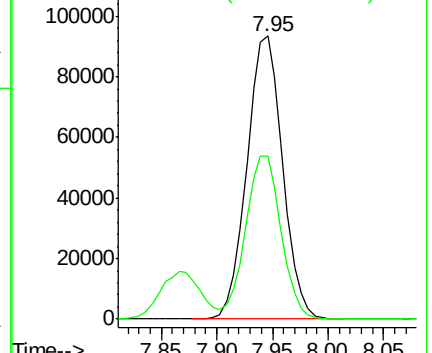
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.519 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012908.D

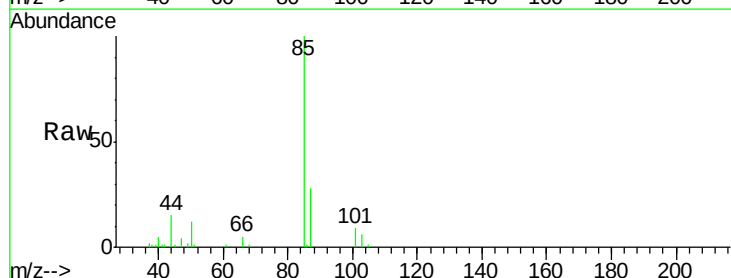
Acq: 11 Sep 2019 11:14

Tgt Ion: 85 Resp: 25452

Ion Ratio Lower Upper

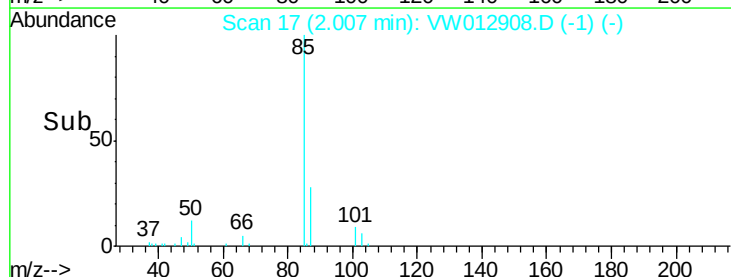
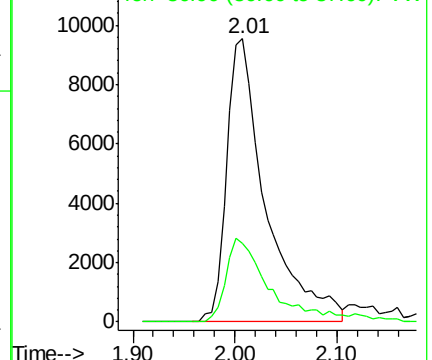
85 100

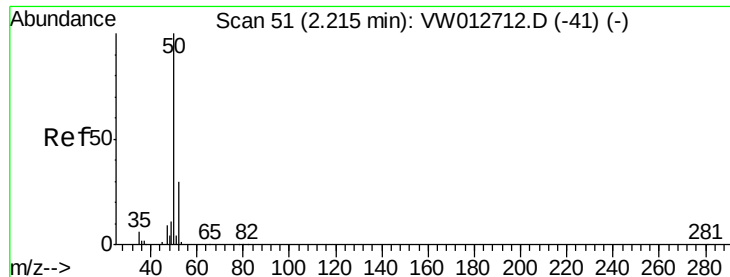
87 27.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 22.557 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBS01

Tot Ion: 50 Resp: 30983

Ion Ratio Lower Upper

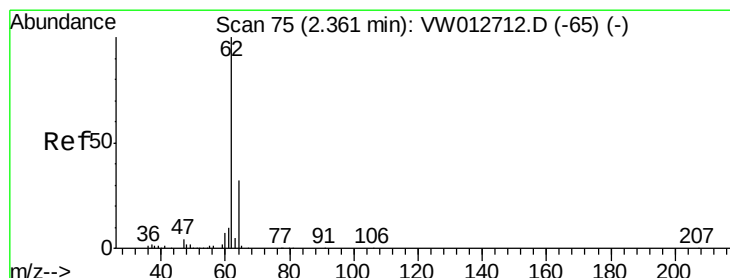
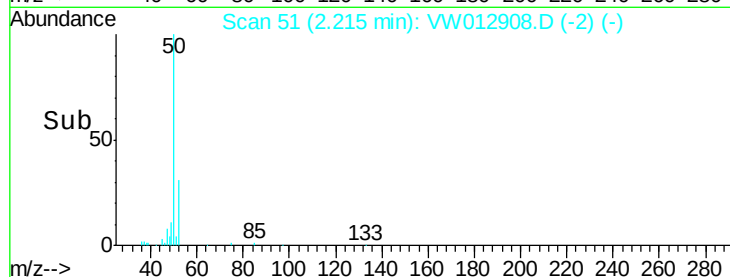
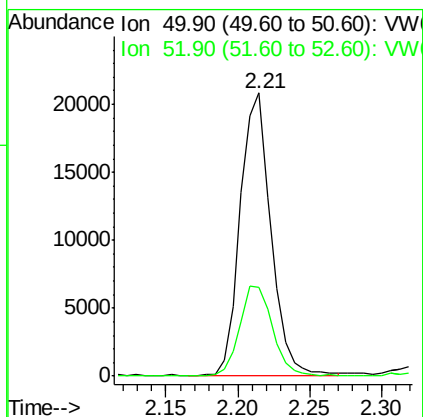
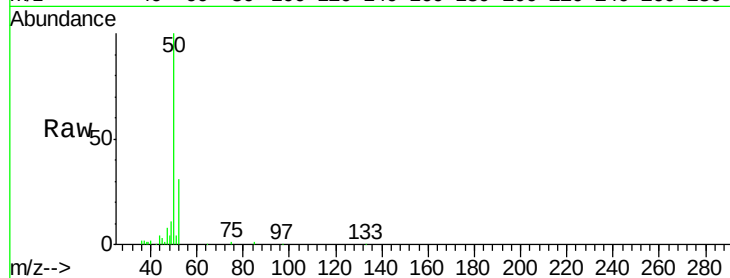
50 100

52 31.4 24.2 36.2

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#4

Vinyl Chloride

Concen: 24.070 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012908.D

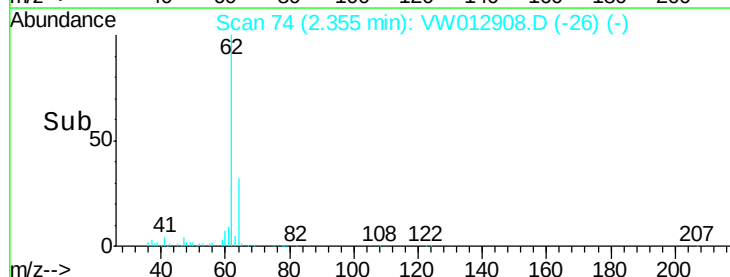
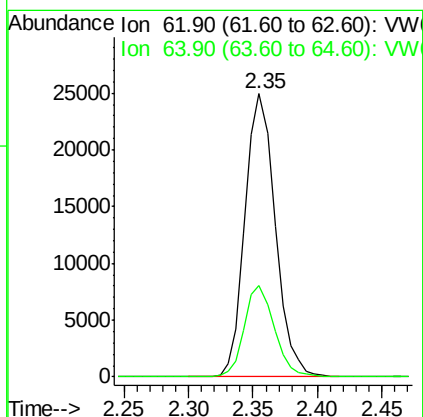
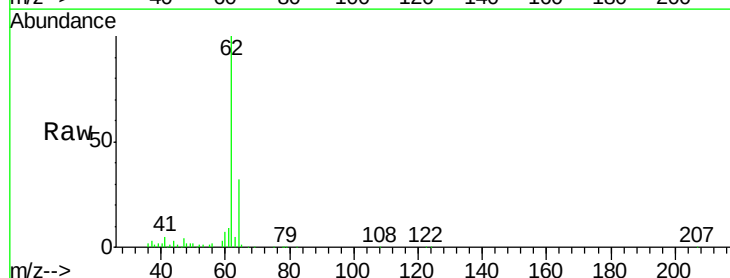
Acq: 11 Sep 2019 11:14

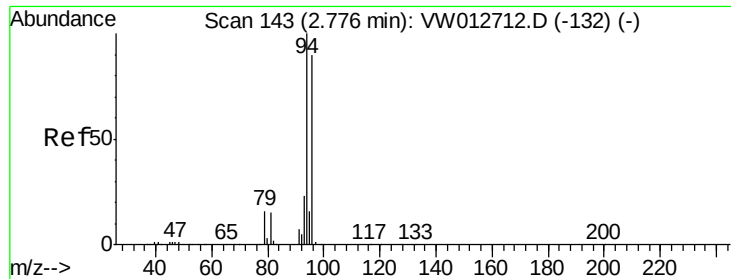
Tgt Ion: 62 Resp: 40538

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9





#5

Bromomethane

Concen: 23.270 ug/l

RT: 2.72 min Scan# 134

Delta R.T. -0.05 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBS01

Tot Ion: 94 Resp: 21281

Ion Ratio Lower Upper

94 100

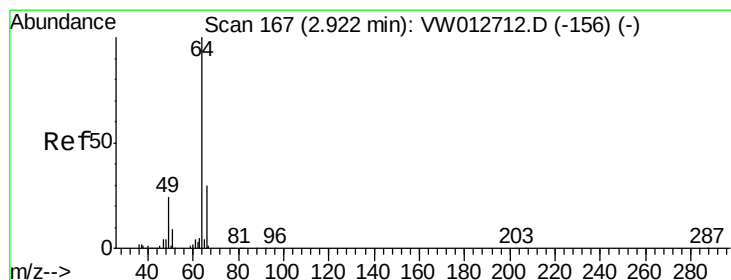
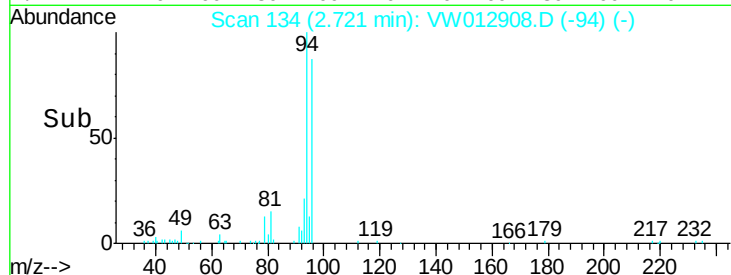
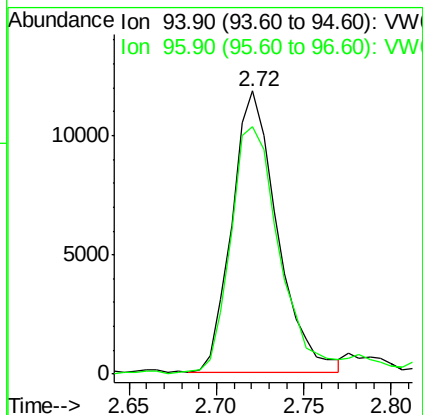
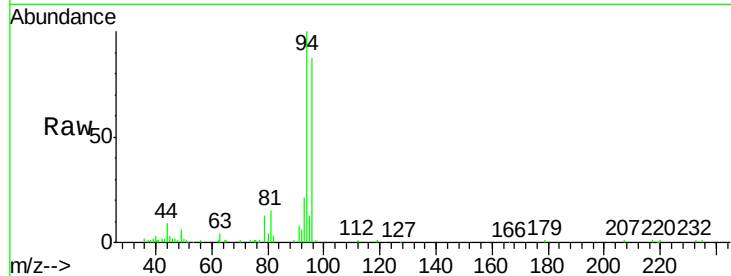
96 87.2 72.1 108.1

Manual Integrations

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#6

Chloroethane

Concen: 23.213 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.03 min

Lab File: VW012908.D

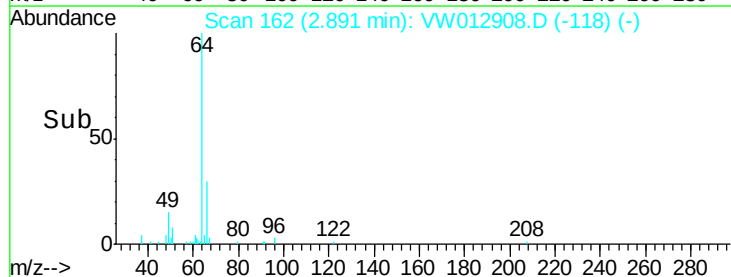
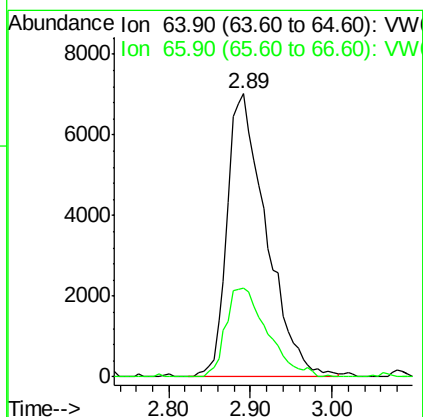
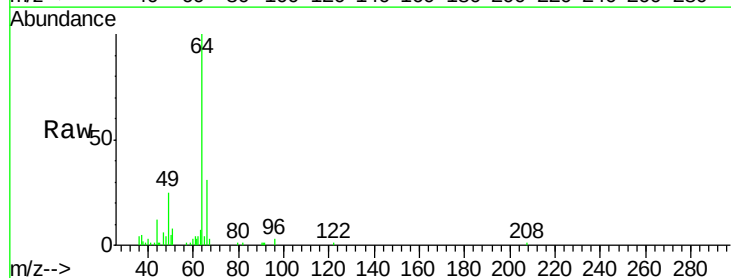
Acq: 11 Sep 2019 11:14

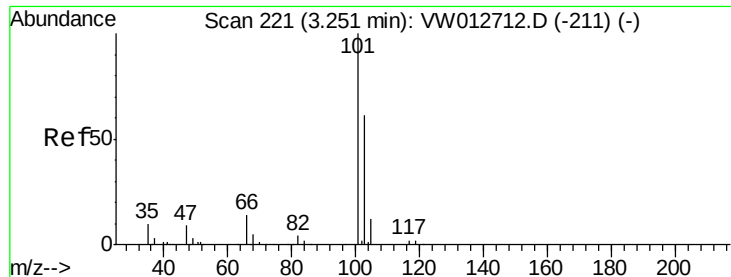
Tgt Ion: 64 Resp: 23329

Ion Ratio Lower Upper

64 100

66 31.4 23.8 35.6





#7

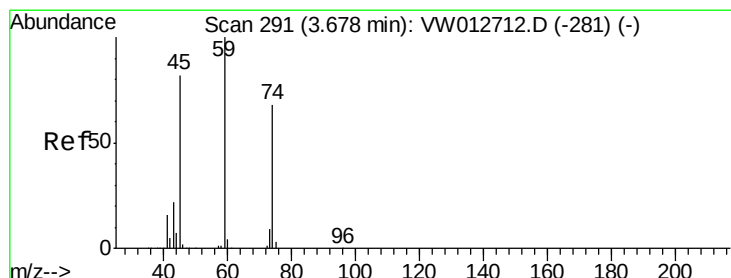
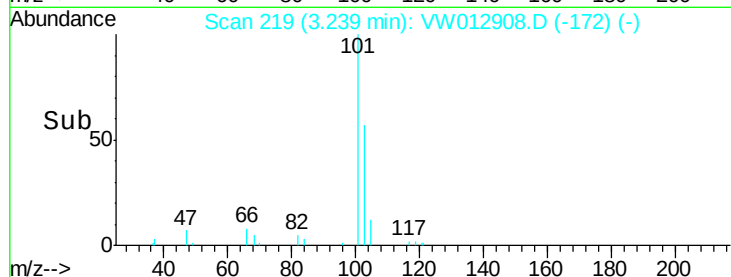
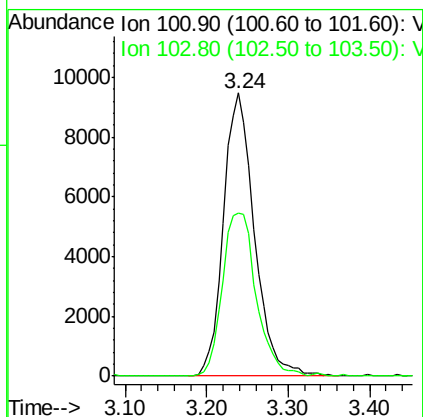
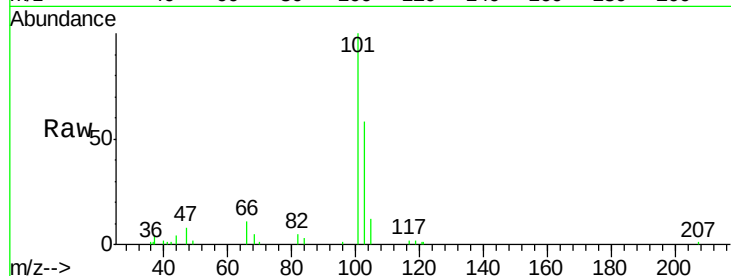
Trichlorofluoromethane
 Concen: 21.377 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Instrument :
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 ClientSampleId :
 VW0911SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.6	49.0	73.4

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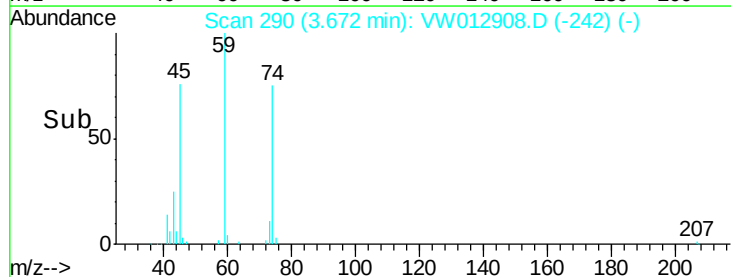
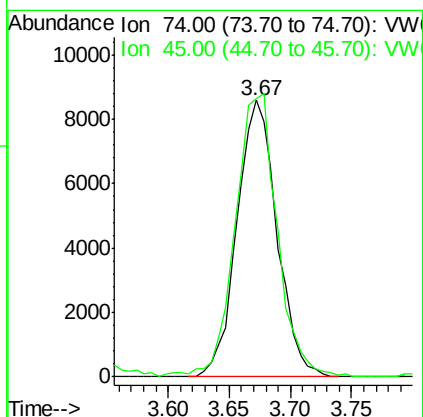
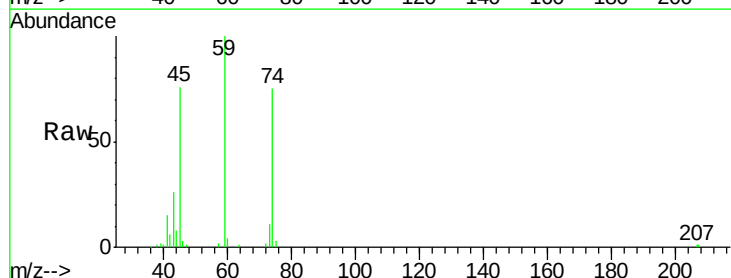
MMDadoda
 9/13/2019 1:32:41 AM

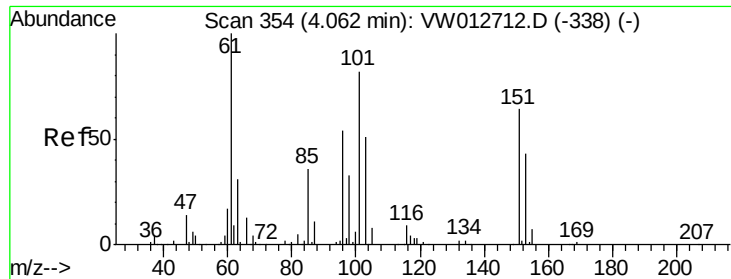


#8

Diethyl Ether
 Concen: 19.918 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.1	58.8	176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.079 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

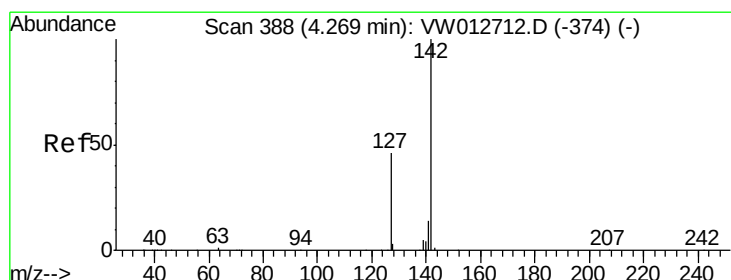
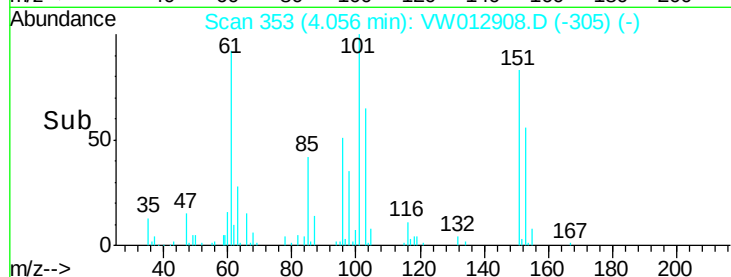
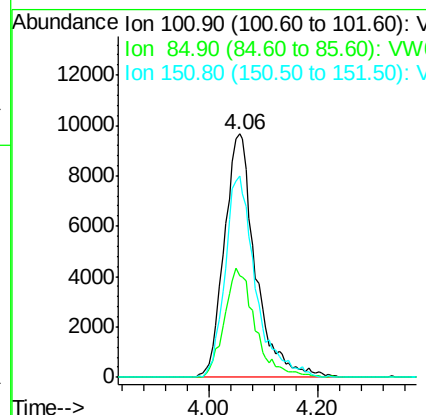
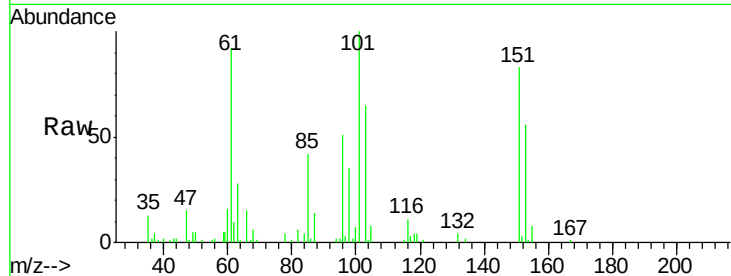
ClientSampleId :

VW0911SBS01

Tot Ion:	101	Resp:	38444
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.2	54.2
151	81.3	61.9	92.9

Manual Integrations
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MMDadoda
9/13/2019 1:32:41 AM



#10

Methyl Iodide

Concen: 21.937 ug/l

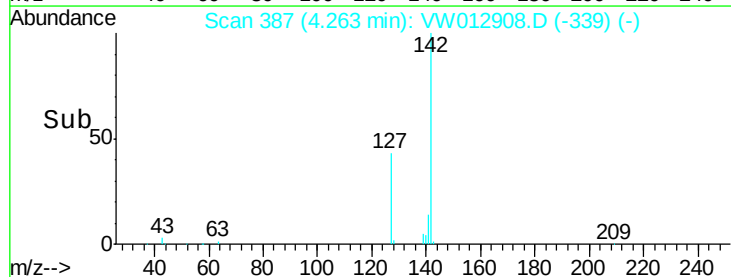
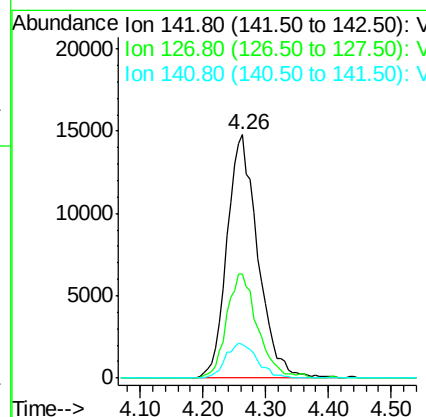
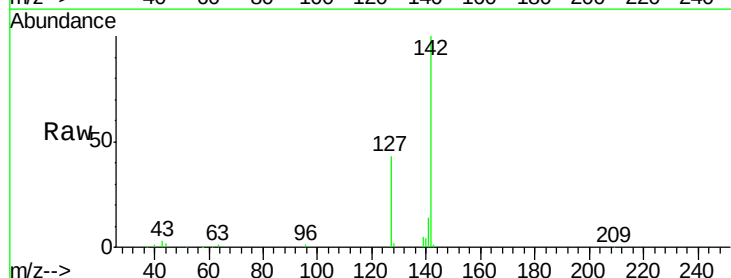
RT: 4.26 min Scan# 387

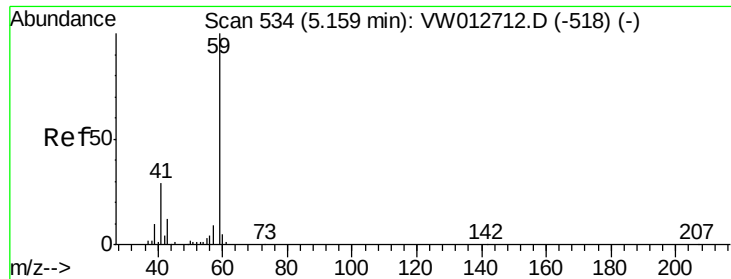
Delta R.T. -0.01 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Tgt Ion:	142	Resp:	50366
Ion Ratio	Lower	Upper	
142	100		
127	42.9	36.0	54.0
141	14.6	12.2	18.4





#11

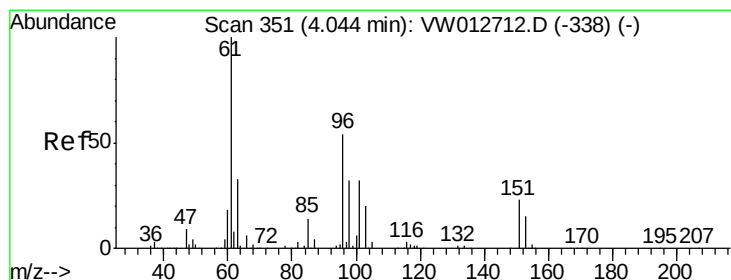
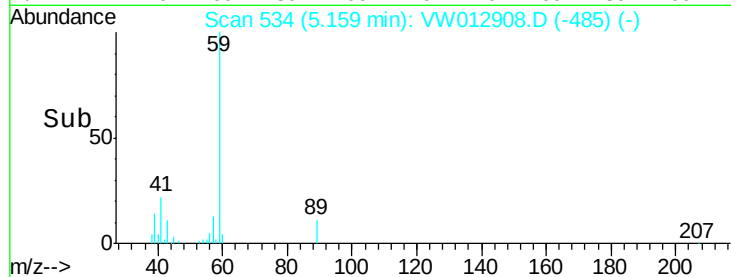
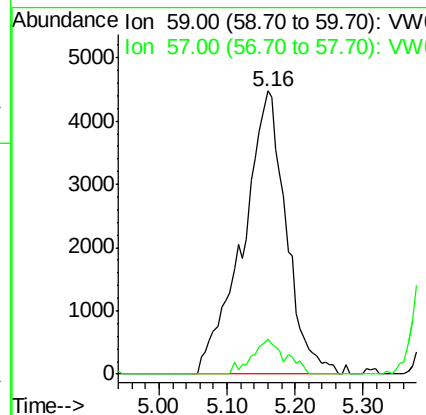
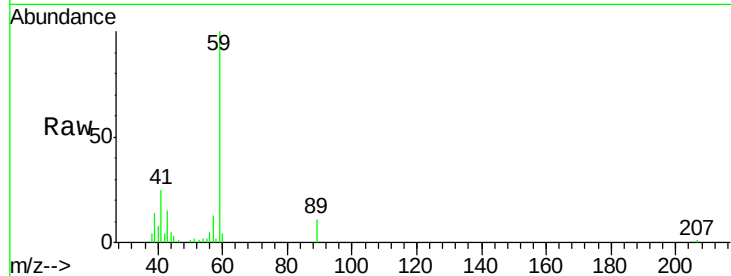
Tert butyl alcohol
Concen: 111.336 ug/l
RT: 5.16 min Scan# 534
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.2	12.4

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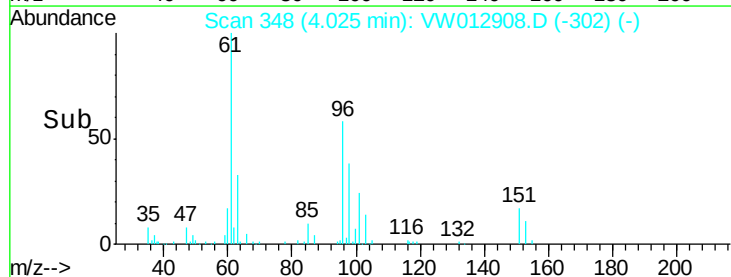
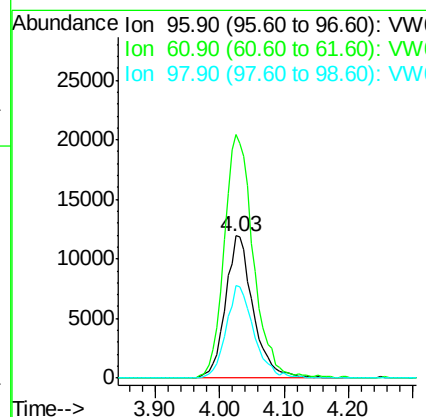
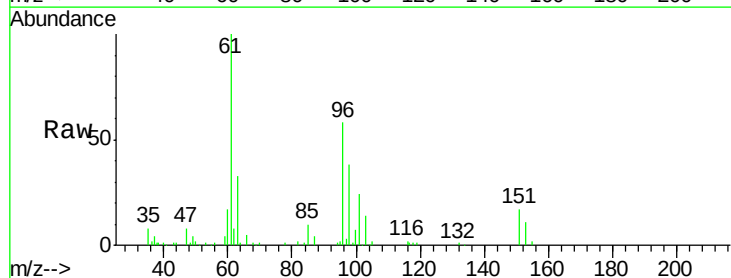
MMDadoda
9/13/2019 1:32:41 AM

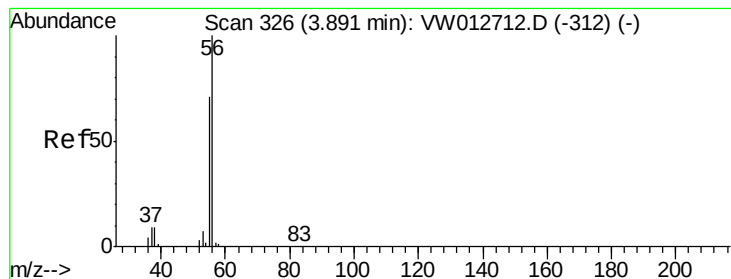


#12

1,1-Dichloroethene
Concen: 20.945 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.02 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.6	147.8	221.6
98	65.1	47.9	71.9





#13

Acrolein

Concen: 62.993 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBS01

Tot Ion: 56 Resp: 11914

Ion Ratio Lower Upper

56 100

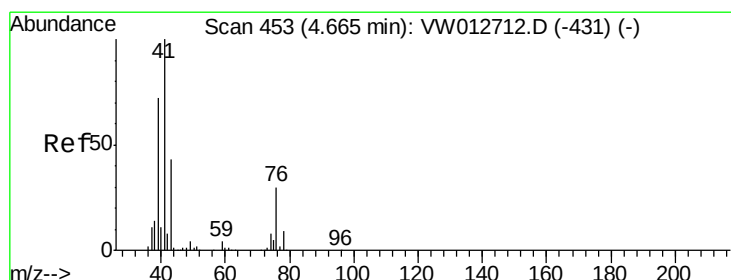
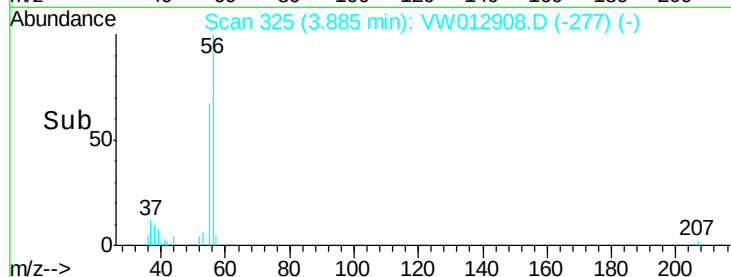
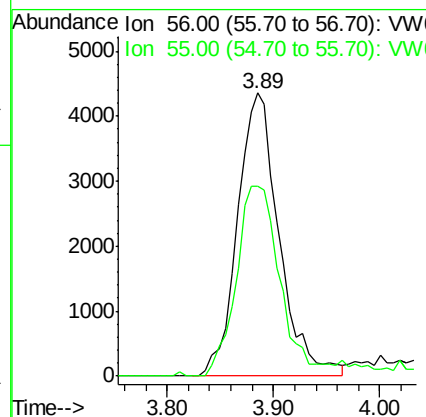
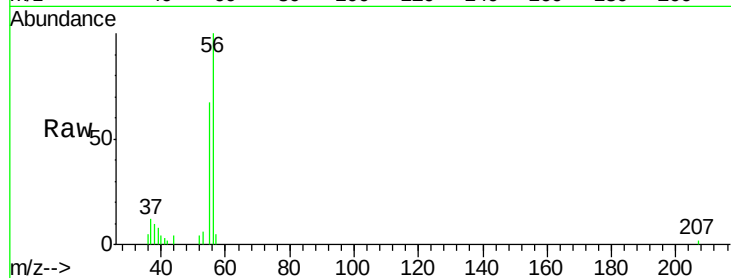
55 69.9 56.9 85.3

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 18.586 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

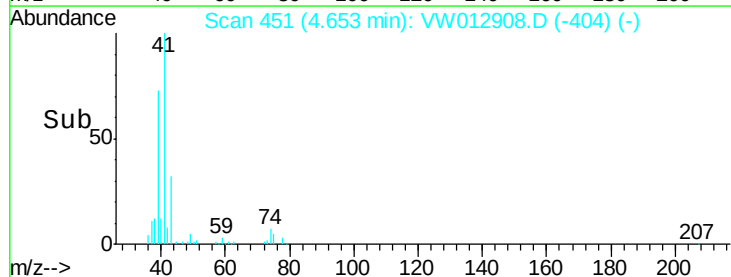
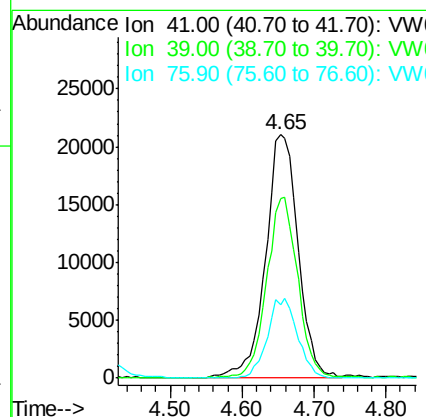
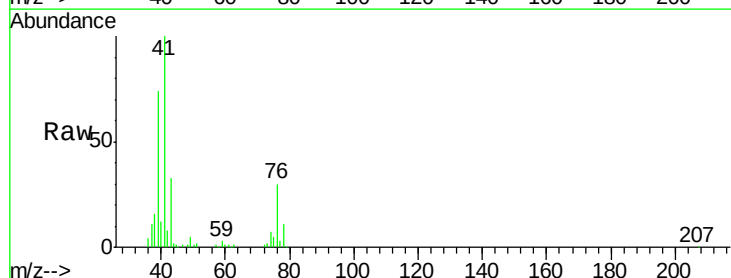
Tgt Ion: 41 Resp: 66194

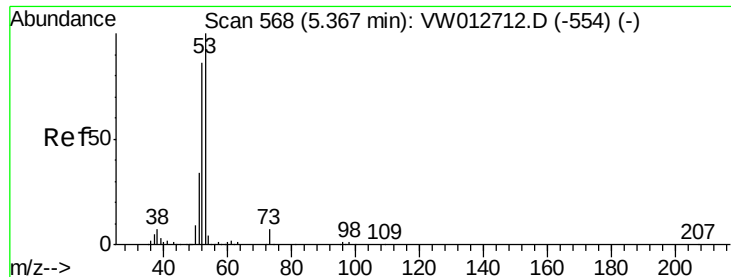
Ion Ratio Lower Upper

41 100

39 70.6 55.0 82.6

76 30.5 23.0 34.4





#15

Acrylonitrile

Concen: 82.445 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

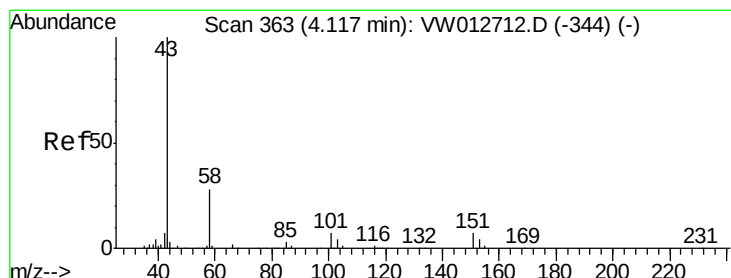
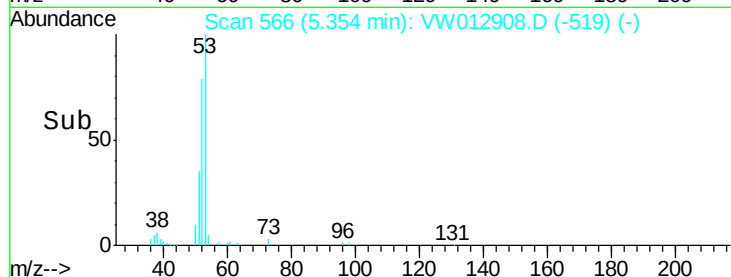
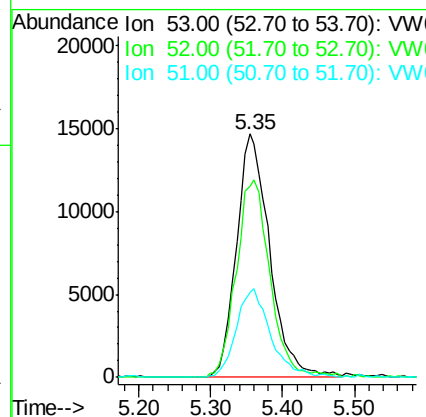
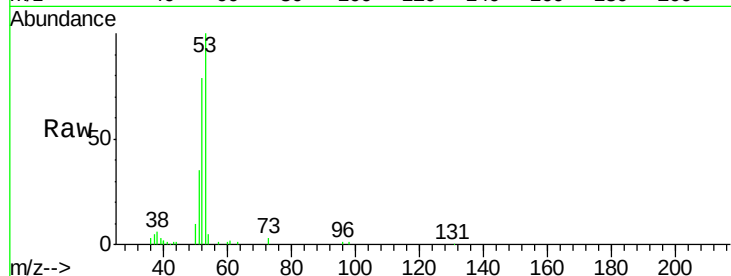
ClientSampleId :

VW0911SBS01

Tot Ion:	53	Resp:	47037
Ion Ratio	Lower	Upper	
53	100		
52	81.2	67.0	100.4
51	37.6	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 79.872 ug/l

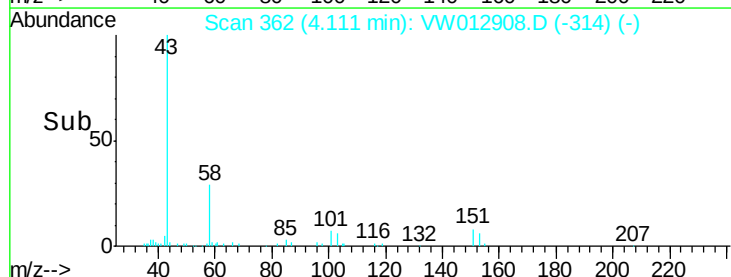
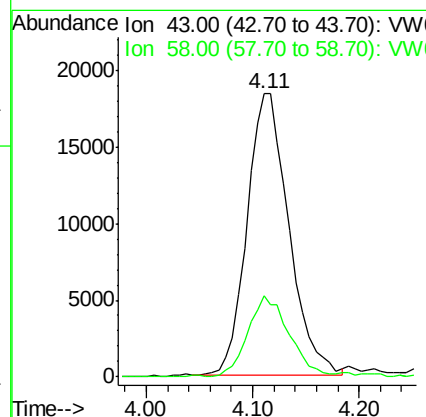
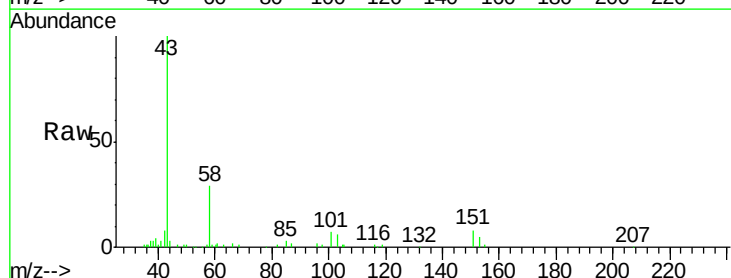
RT: 4.11 min Scan# 362

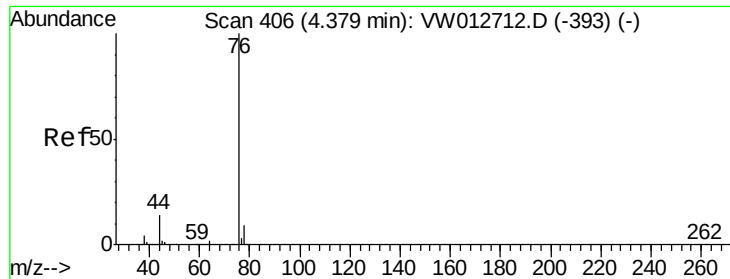
Delta R.T. -0.01 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Tgt Ion:	43	Resp:	50723
Ion Ratio	Lower	Upper	
43	100		
58	28.2	22.6	33.8





#17

Carbon Disulfide

Concen: 20.299 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBS01

Tot Ion: 76 Resp: 74185

Ion Ratio Lower Upper

76 100

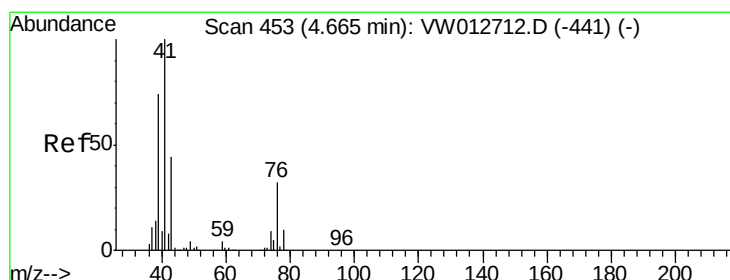
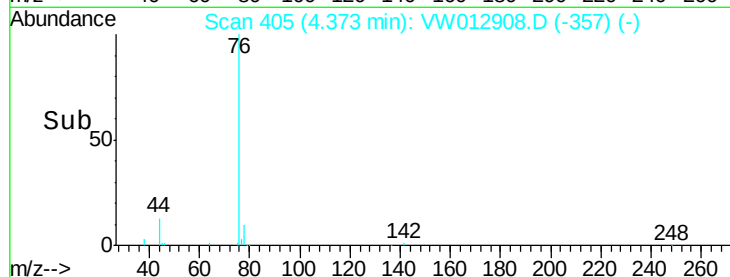
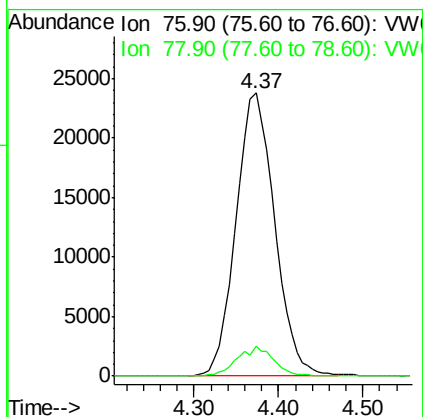
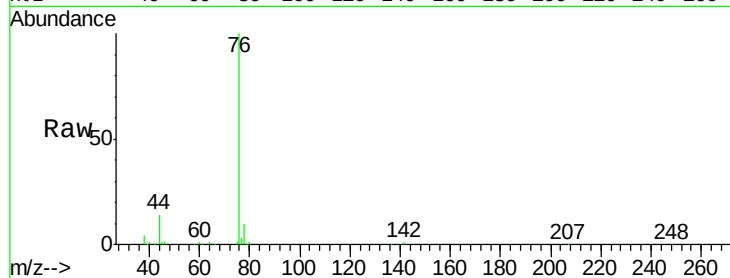
78 10.4 7.2 10.8

Manual Integrations

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9/13/2019 1:32:41 AM



#18

Methyl Acetate

Concen: 15.718 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012908.D

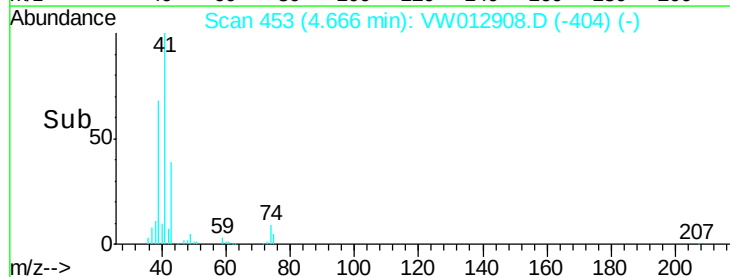
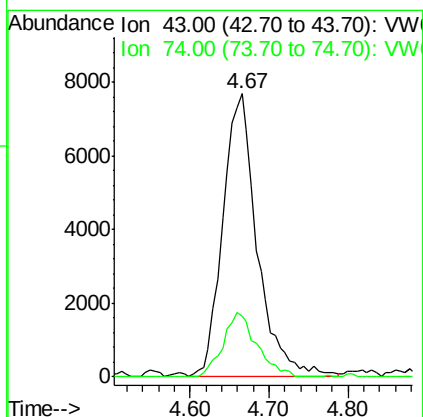
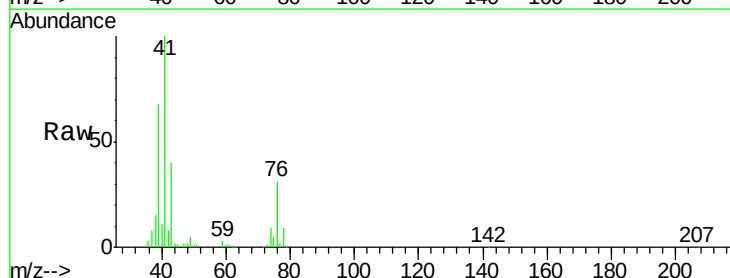
Acq: 11 Sep 2019 11:14

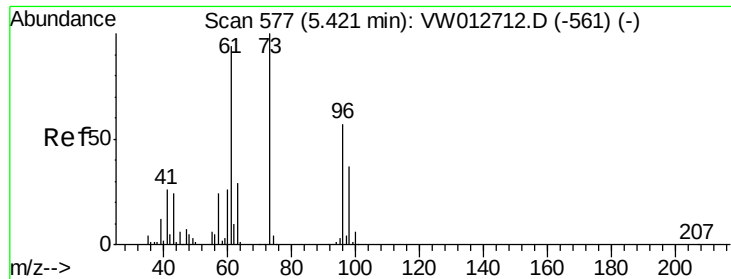
Tgt Ion: 43 Resp: 23418

Ion Ratio Lower Upper

43 100

74 22.1 15.8 23.6





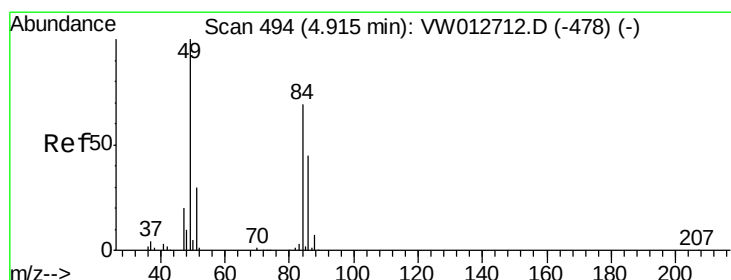
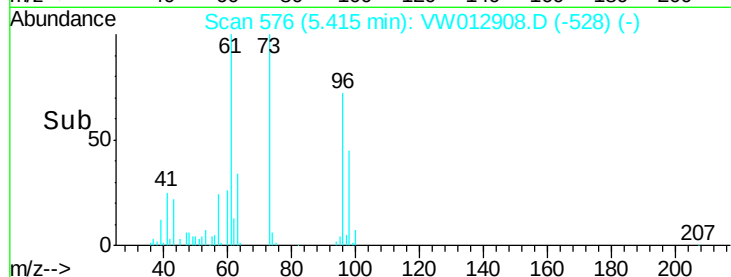
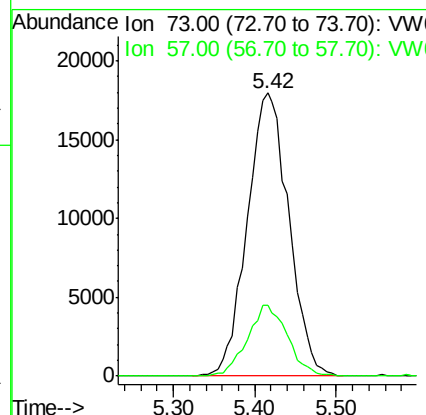
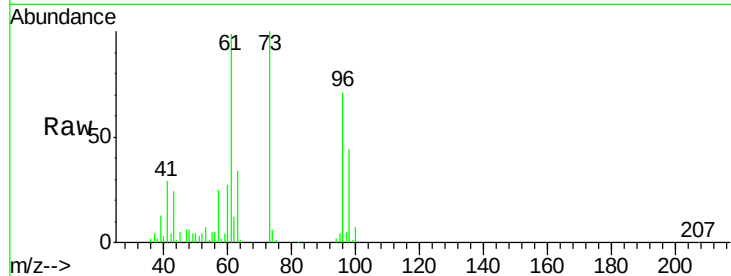
#19
Methyl tert-butyl Ether
Concen: 18.602 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.1	19.2	28.8

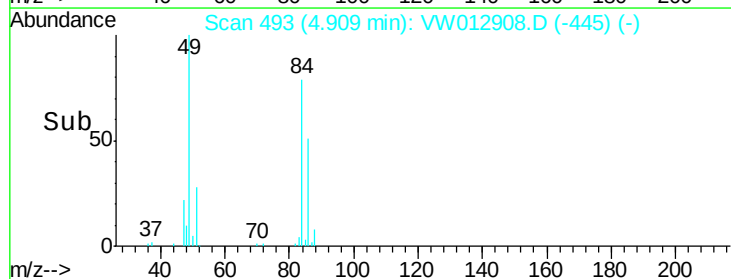
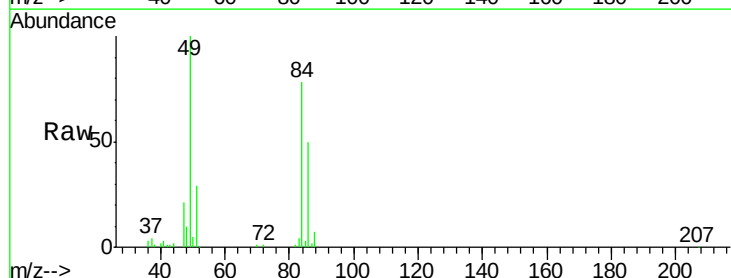
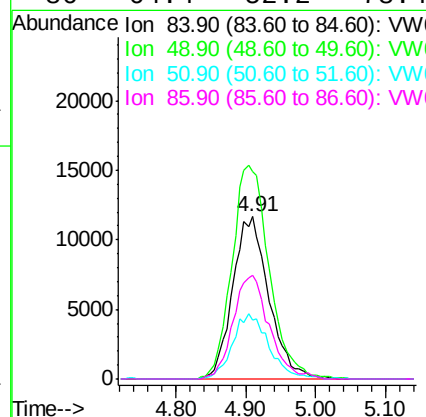
Manual Integrations
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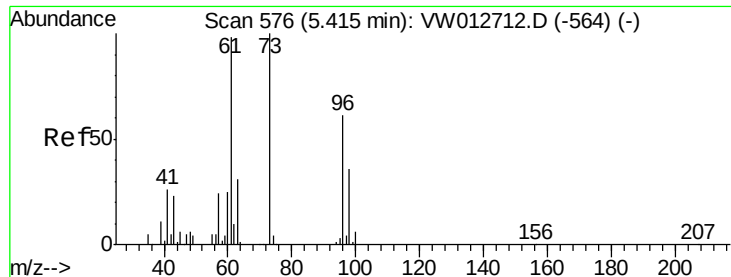
MMDadoda
9/13/2019 1:32:41 AM



#20
Methylene Chloride
Concen: 21.025 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.0	115.4	173.0
51	36.6	34.9	52.3
86	64.4	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 21.658 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

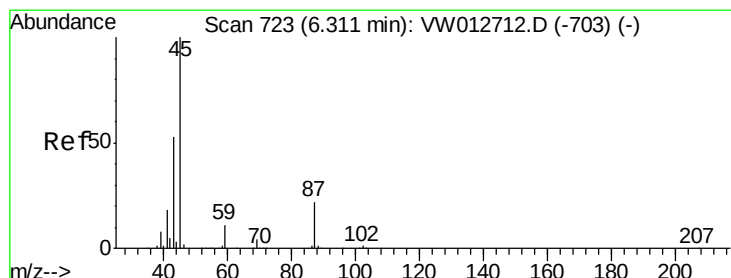
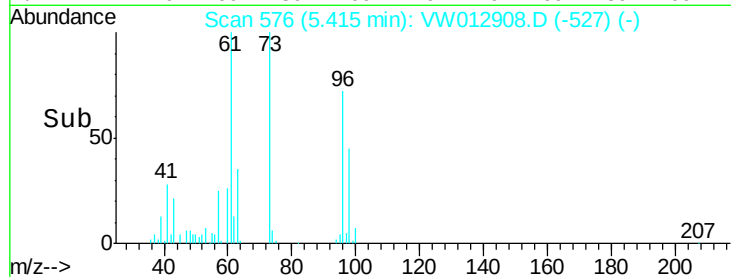
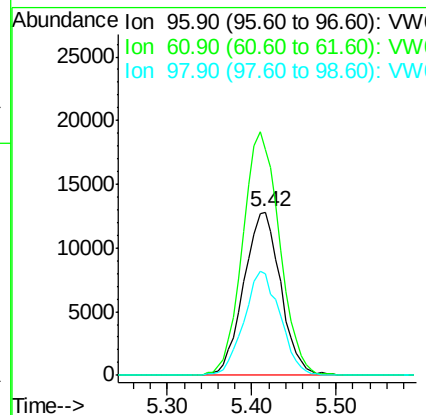
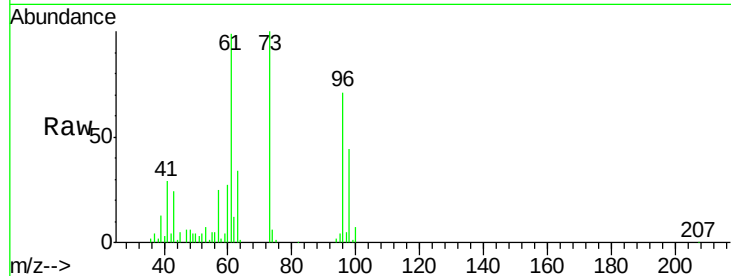
ClientSampleId :

VW0911SBS01

Tot Ion:	96	Resp:	38048
Ion	Ratio	Lower	Upper
96	100		
61	138.5	129.2	193.8
98	62.1	48.0	72.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.275 ug/l

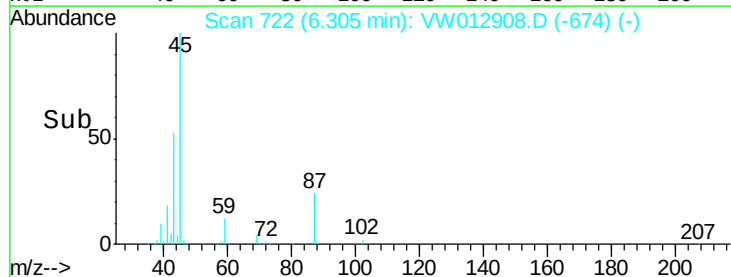
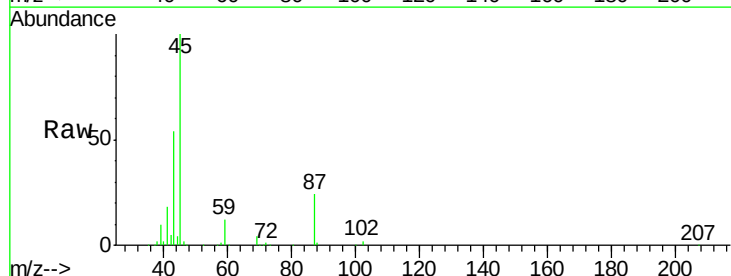
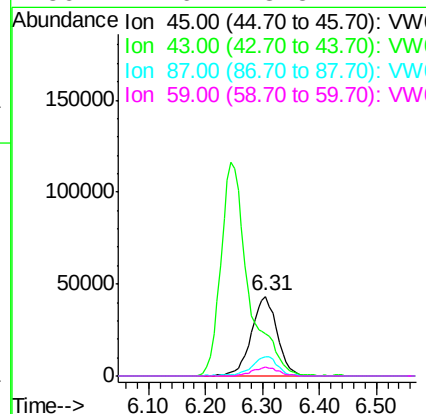
RT: 6.31 min Scan# 722

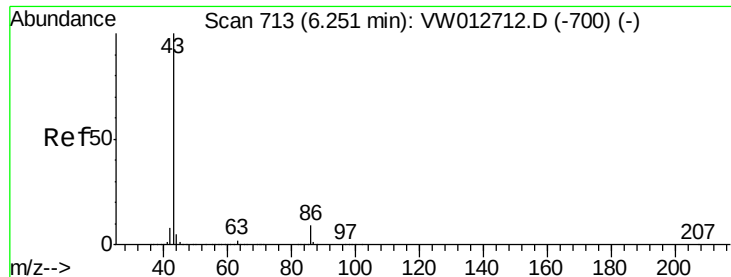
Delta R.T. -0.01 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Tgt Ion:	45	Resp:	136155
Ion	Ratio	Lower	Upper
45	100		
43	53.5	42.3	63.5
87	24.1	18.2	27.2
59	11.6	8.5	12.7





#23

Vinyl Acetate

Concen: 87.074 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

ClientSampled :

VW0911SBS01

Tot Ion: 43 Resp: 389803

Ion Ratio Lower Upper

43 100

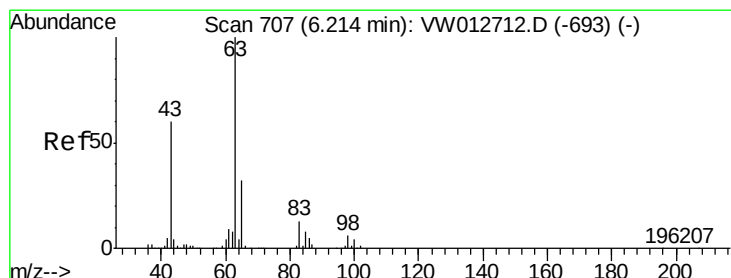
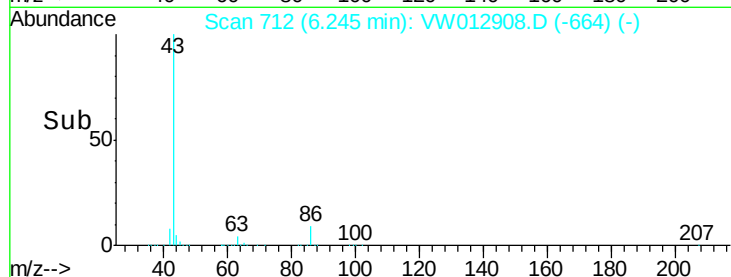
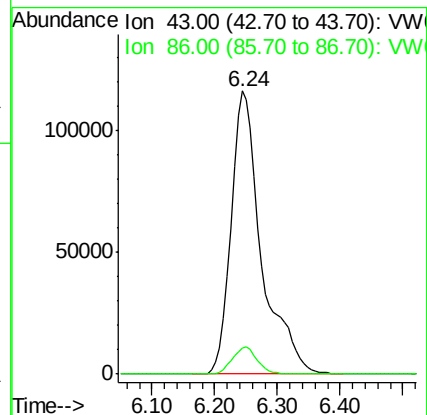
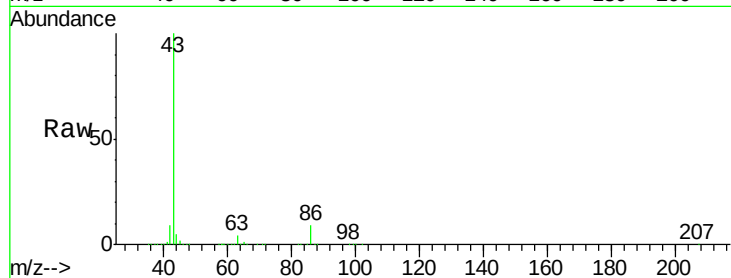
86 9.2 7.0 10.6

Manual Integrations

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MMDadoda

9/13/2019 1:32:41 AM



#24

1,1-Dichloroethane

Concen: 19.953 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

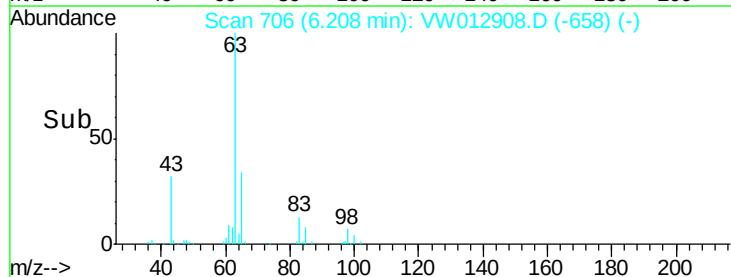
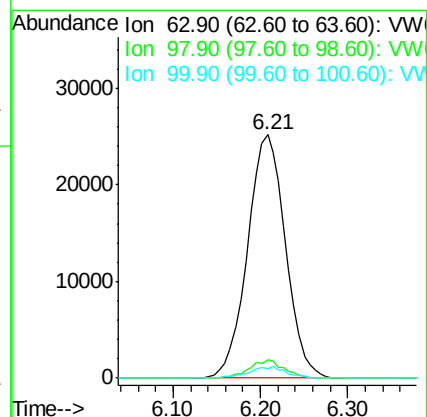
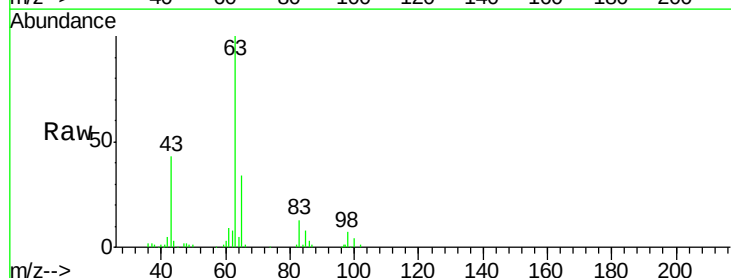
Tgt Ion: 63 Resp: 75892

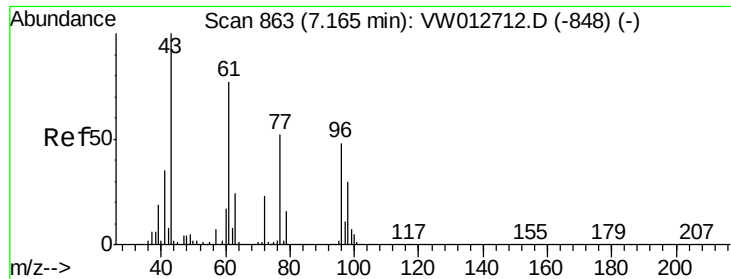
Ion Ratio Lower Upper

63 100

98 7.5 3.1 9.3

100 3.8 1.8 5.5





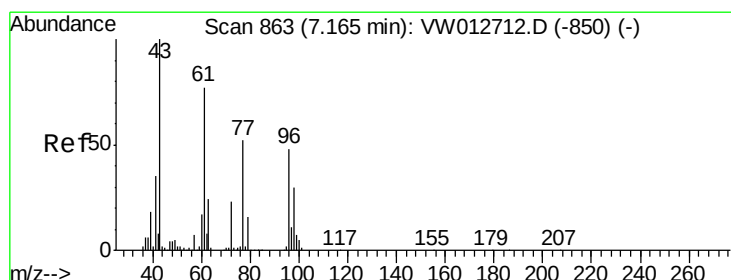
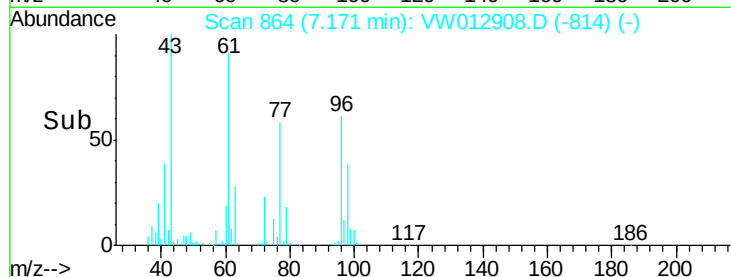
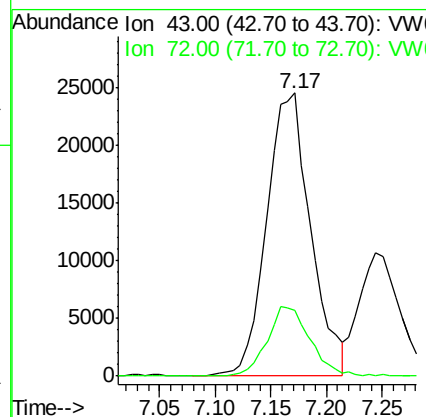
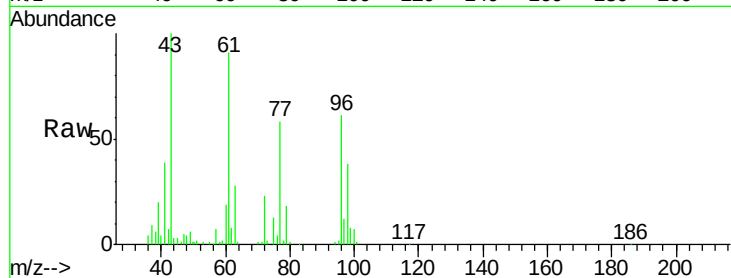
#25
2-Butanone
Concen: 86.446 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

Tot Ion: 43 Resp: 67764
Ion Ratio Lower Upper
43 100
72 23.4 18.0 27.0

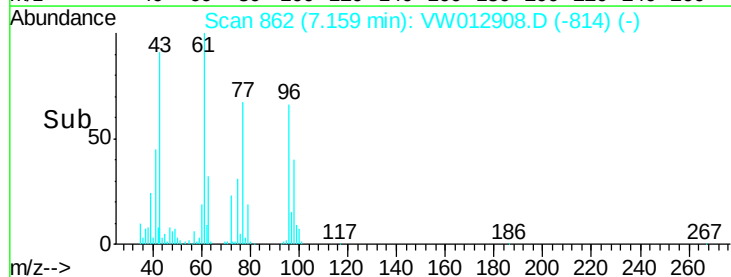
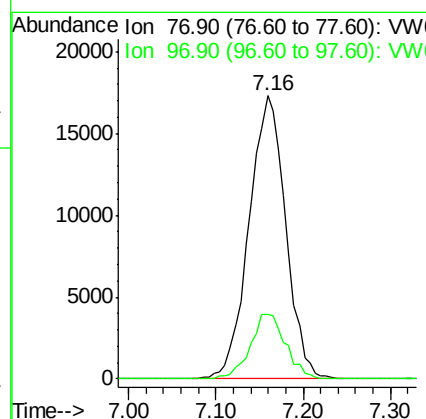
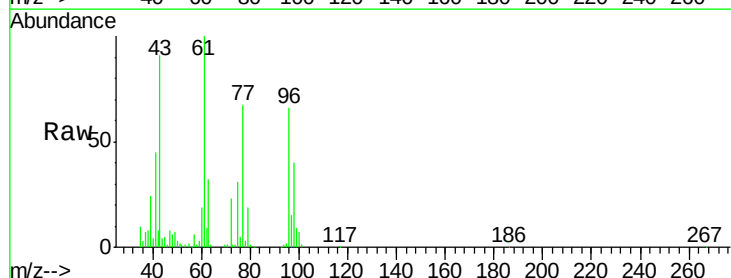
Manual Integrations
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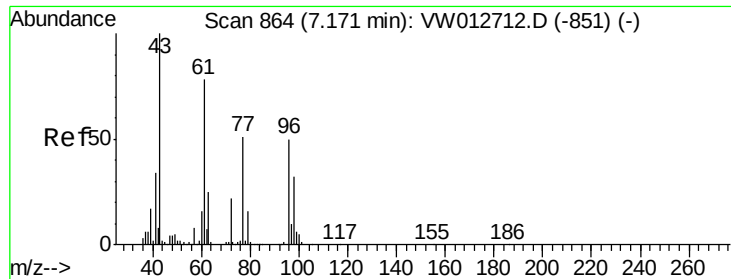
MMDadoda
9/13/2019 1:32:41 AM



#26
2,2-Dichloropropane
Concen: 20.903 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion: 77 Resp: 50214
Ion Ratio Lower Upper
77 100
97 22.0 10.7 32.1





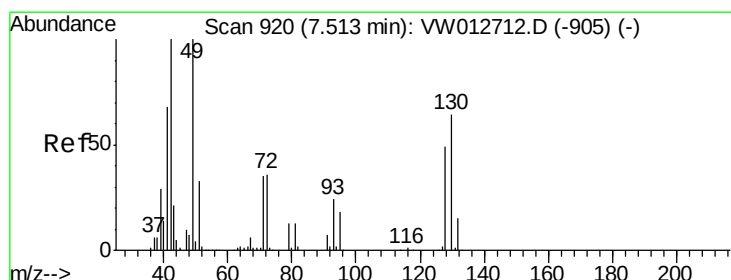
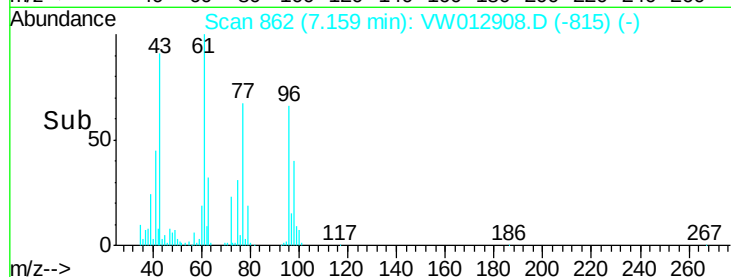
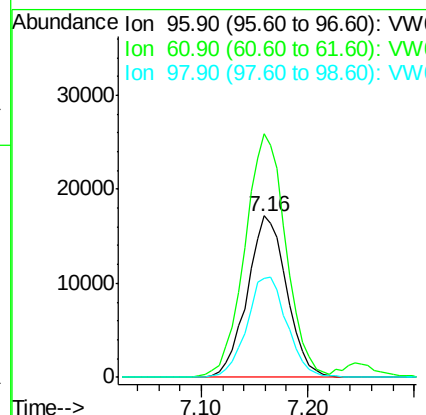
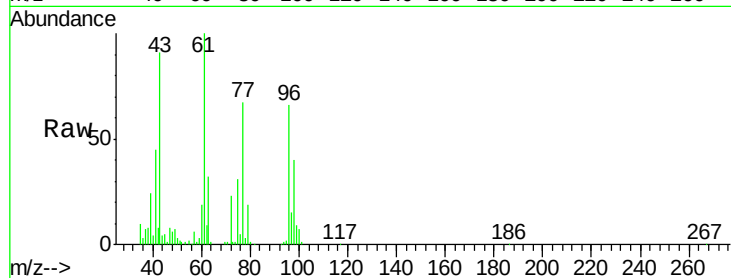
#27
 cis-1,2-Dichloroethene
 Concen: 21.887 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	44583		
61	157.1	0.0	325.8	
98	63.0	0.0	127.0	

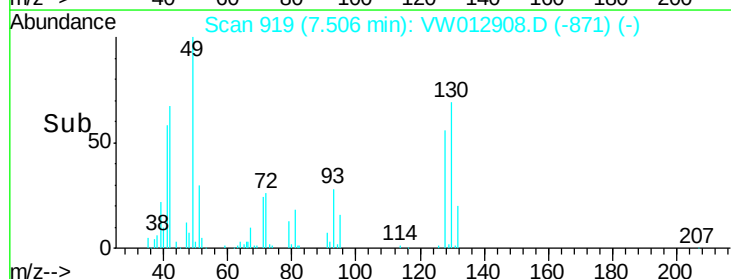
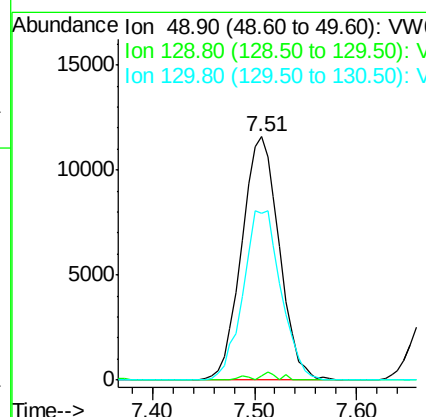
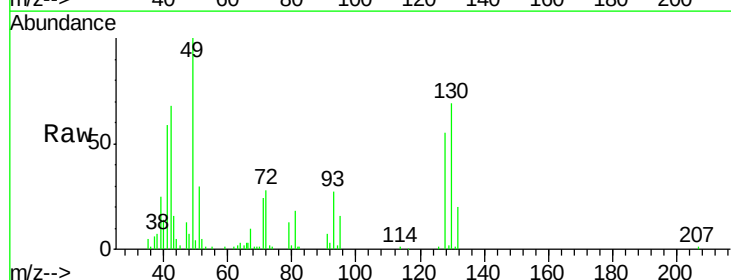
Manual Integrations
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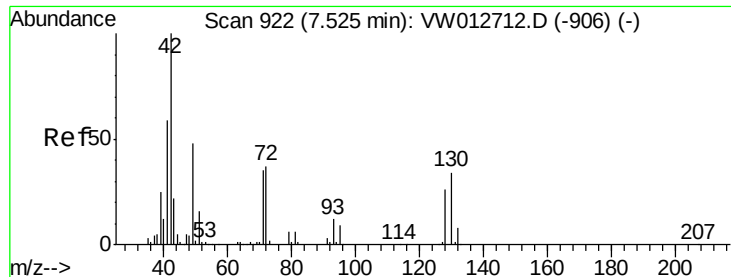
MMDadoda
 9/13/2019 1:32:41 AM



#28
 Bromochloromethane
 Concen: 16.943 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	29590		
129	1.4	0.0	0.8#	
130	70.6	49.8	74.8	





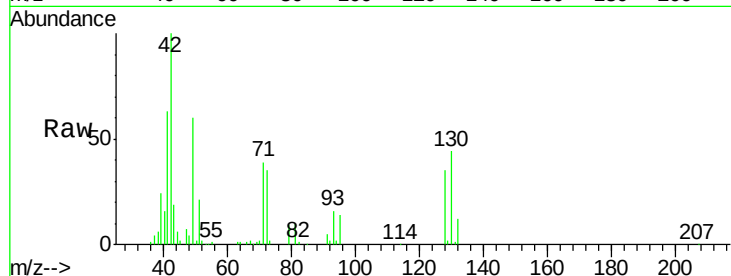
#29
Tetrahydrofuran
Concen: 75.115 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

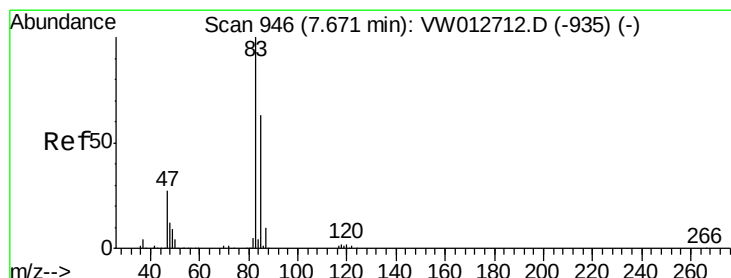
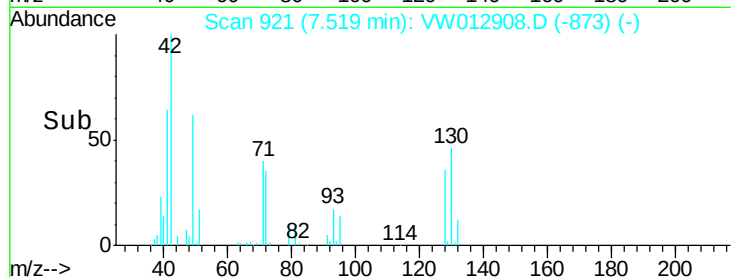
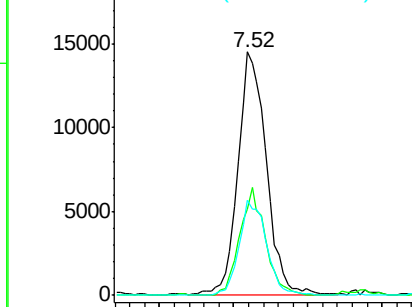
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	28.4	42.6
71	37.9	27.1	40.7

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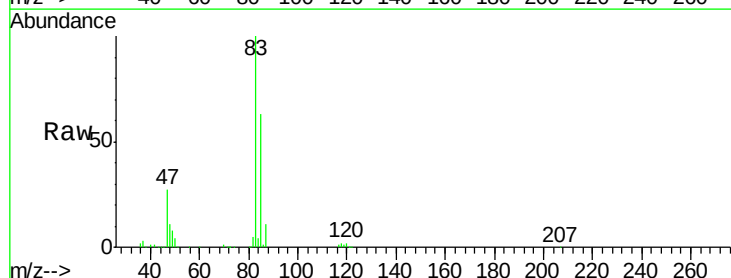


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

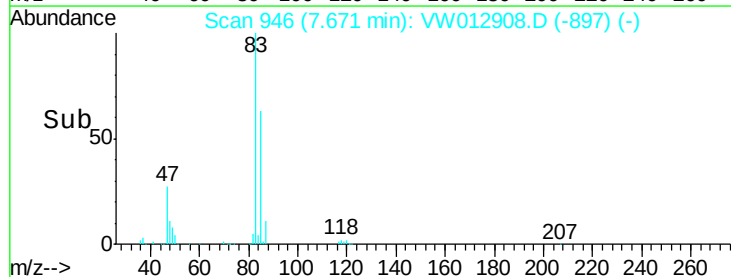
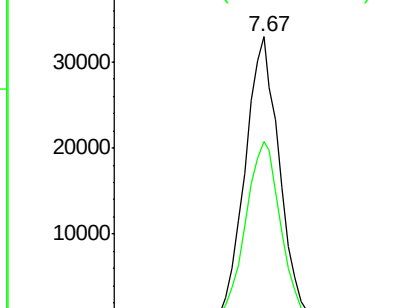


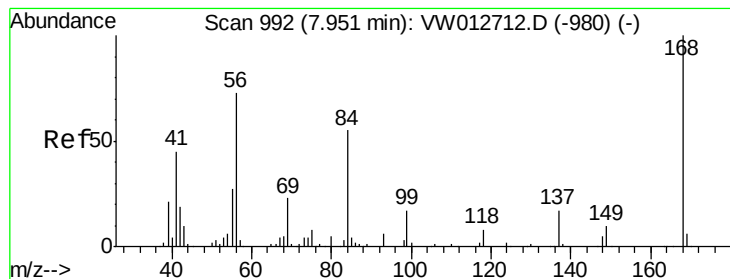
#30
Chloroform
Concen: 20.395 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	76.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 20.011 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

ClientSampleID :

VW0911SBS01

Tot Ion: 56 Resp: 68520

Ion Ratio Lower Upper

56 100

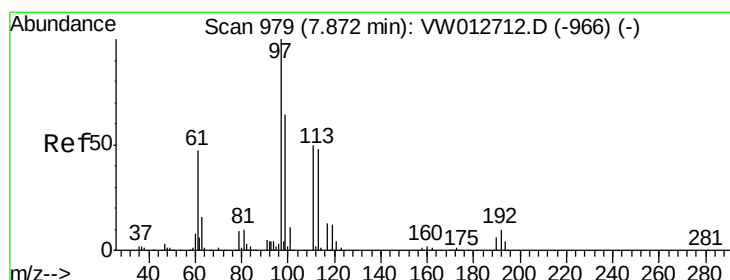
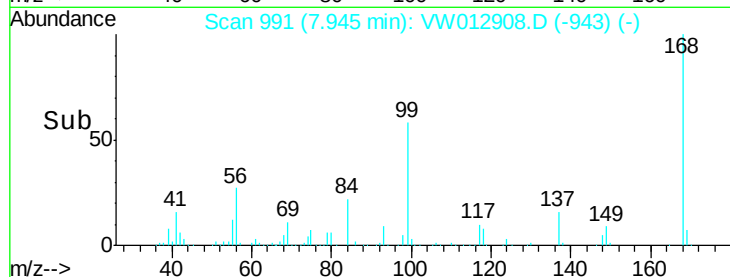
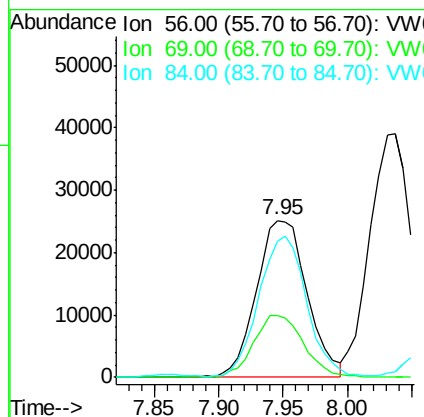
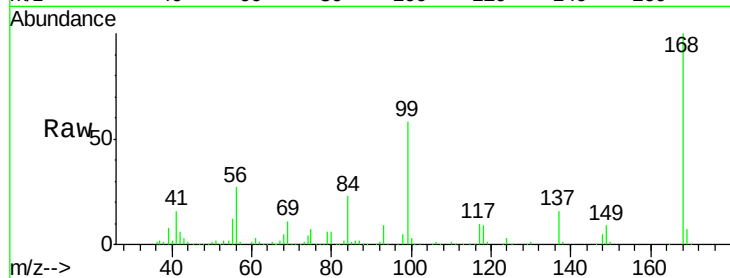
69 39.4 25.7 38.5#

84 85.4 60.4 90.6

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#32

1,1,1-Trichloroethane

Concen: 20.952 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

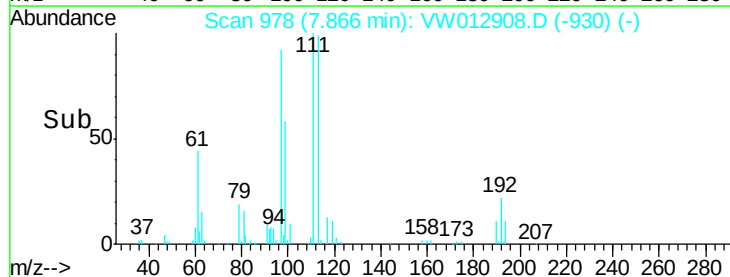
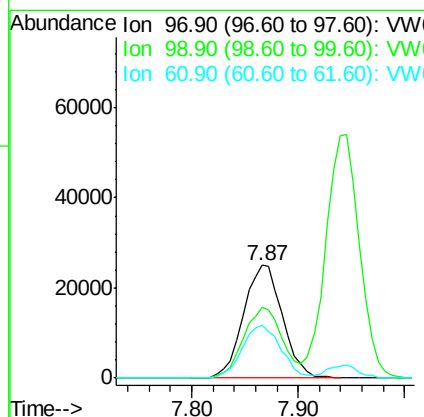
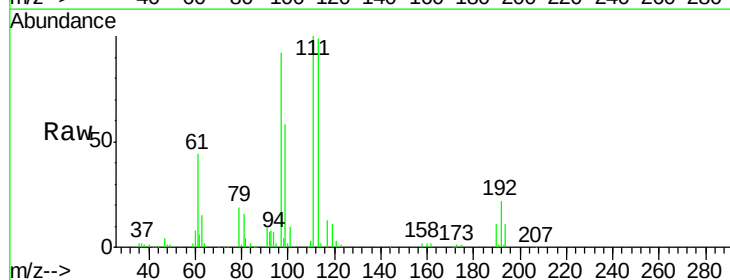
Tgt Ion: 97 Resp: 64019

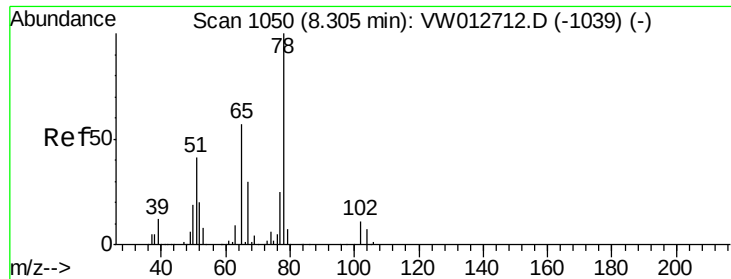
Ion Ratio Lower Upper

97 100

99 63.6 51.5 77.3

61 47.1 37.9 56.9





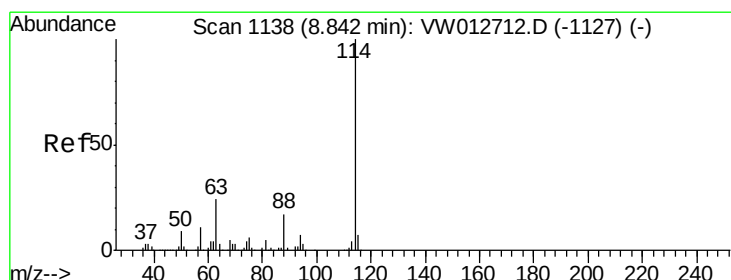
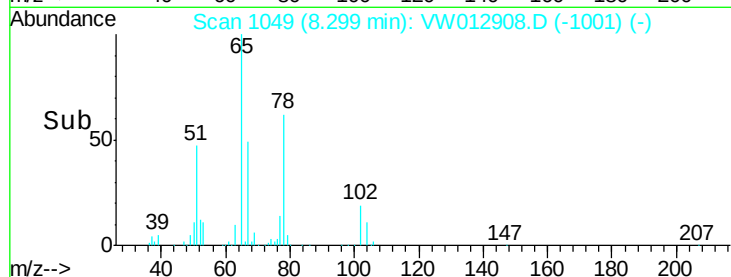
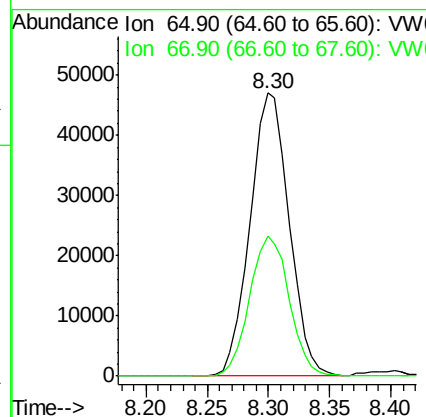
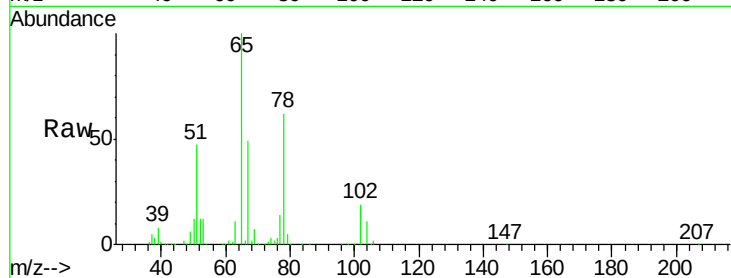
#33
 1,2-Dichloroethane-d4
 Concen: 44.955 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	104719		
67	50.0	0.0	101.8	

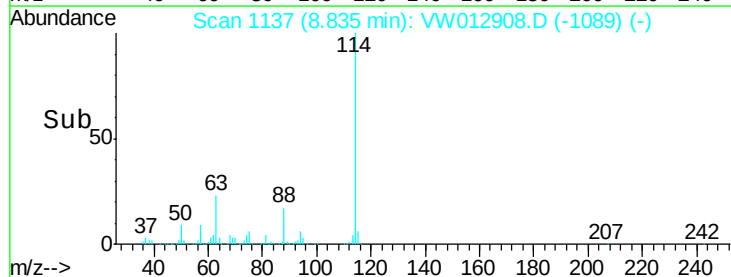
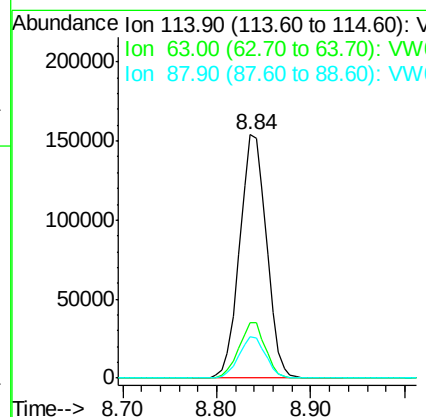
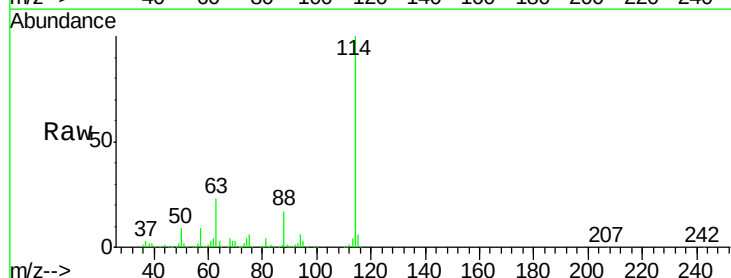
Manual Integrations
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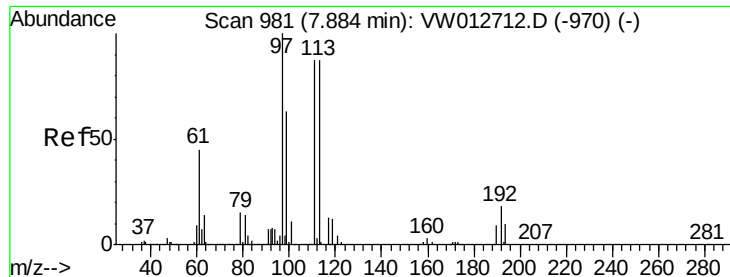
MMDadoda
 9/13/2019 1:32:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	305530		
63	22.6	0.0	47.2	
88	16.9	0.0	34.0	





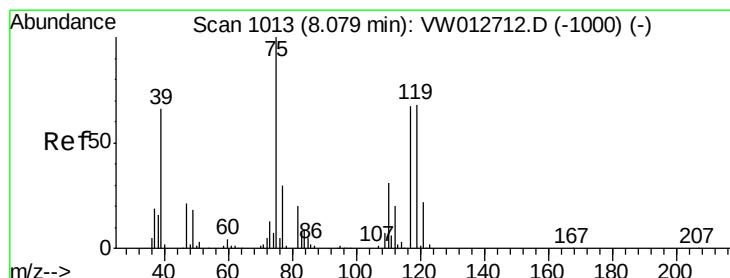
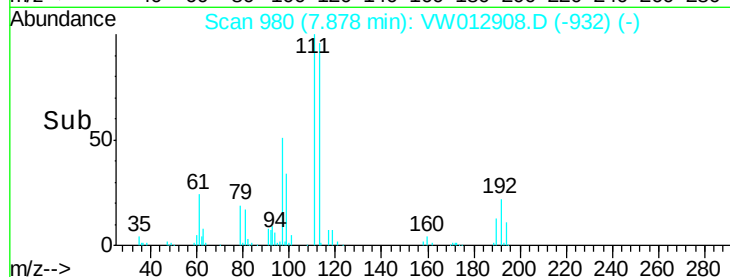
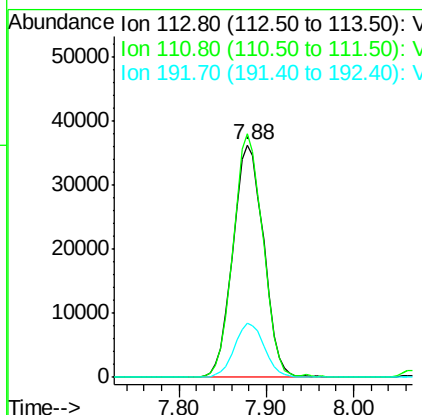
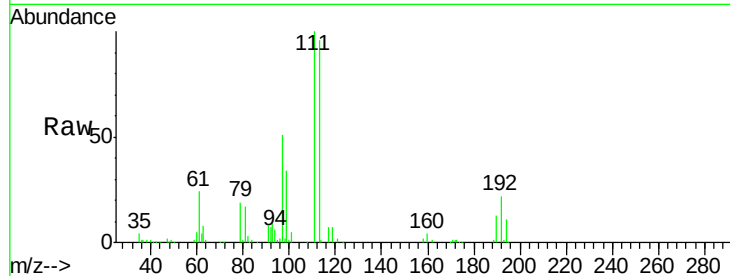
#35
 Dibromofluoromethane
 Concen: 49.062 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	80.2	120.4
192	22.5	17.3	25.9

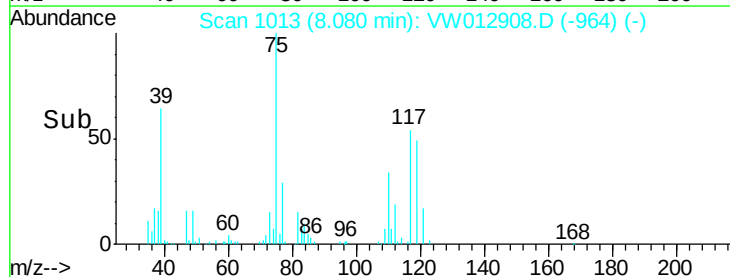
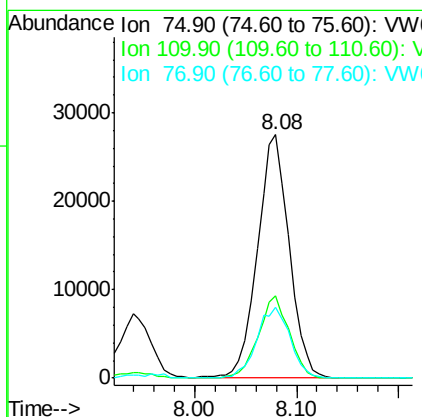
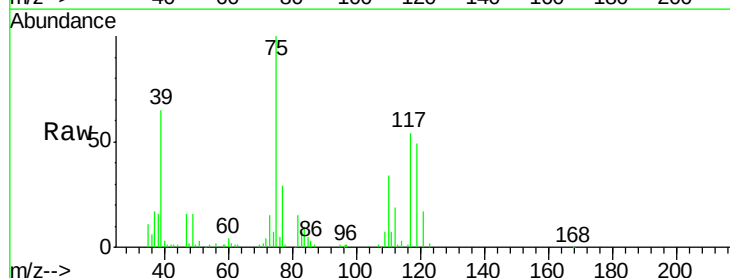
Manual Integrations
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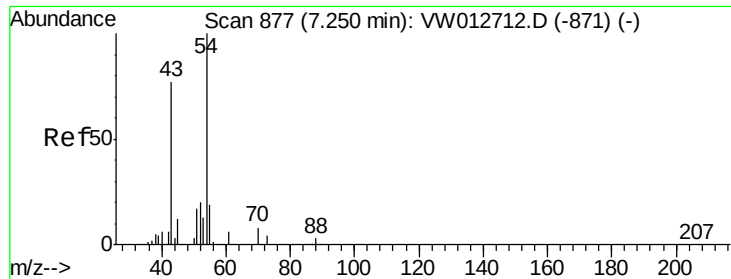
MMDadoda
 9/13/2019 1:32:41 AM



#36
 1,1-Dichloropropene
 Concen: 21.771 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	15.9	47.7
77	30.9	25.0	37.4





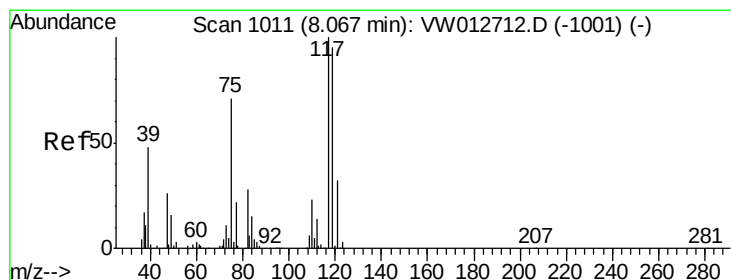
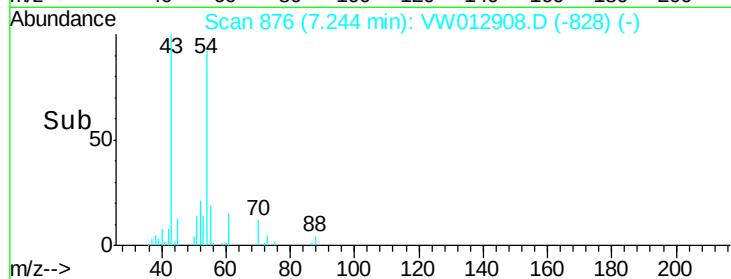
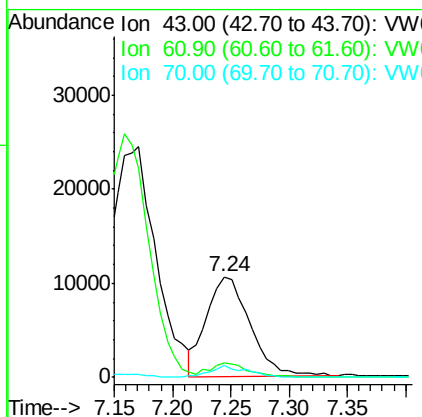
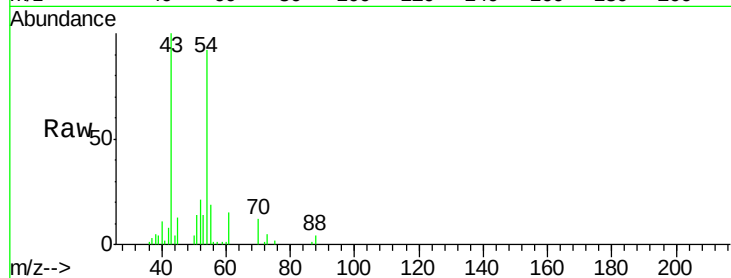
#37
Ethyl Acetate
Concen: 15.827 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.5	14.3
70	10.2	7.0	10.6

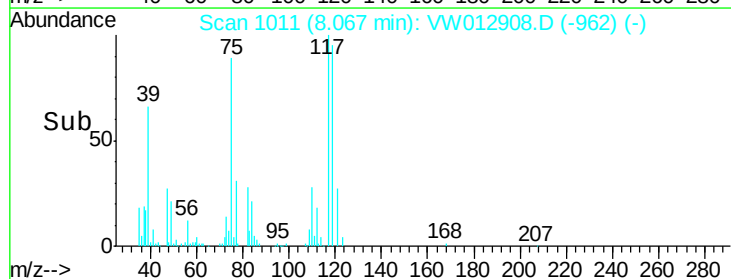
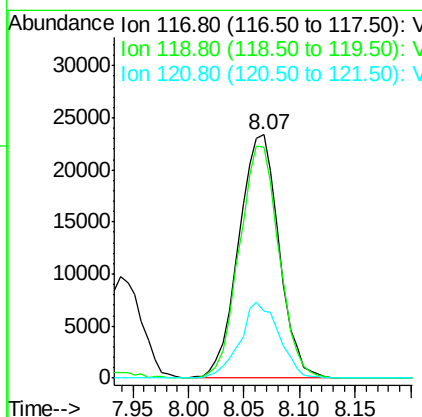
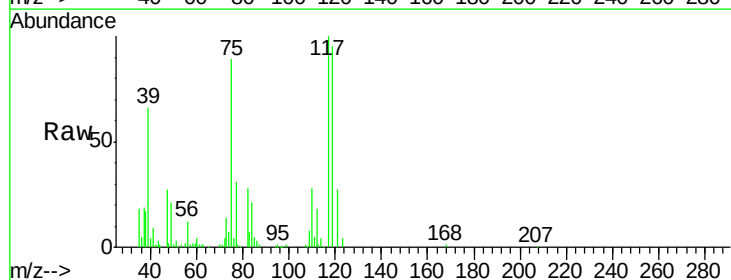
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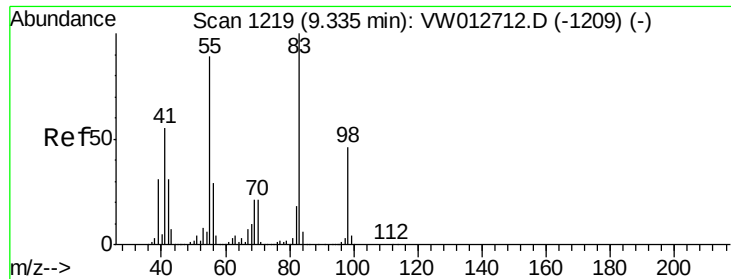
MMDadoda
9/13/2019 1:32:41 AM



#38
Carbon Tetrachloride
Concen: 21.940 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.2	114.2
121	27.4	25.4	38.2





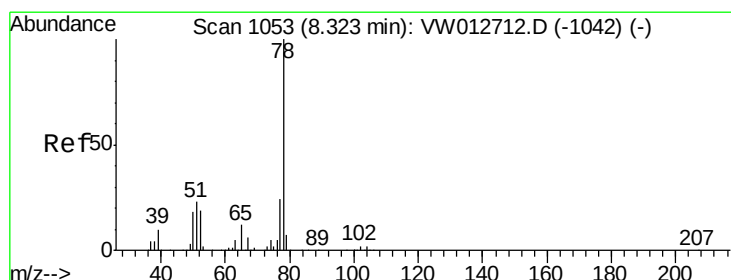
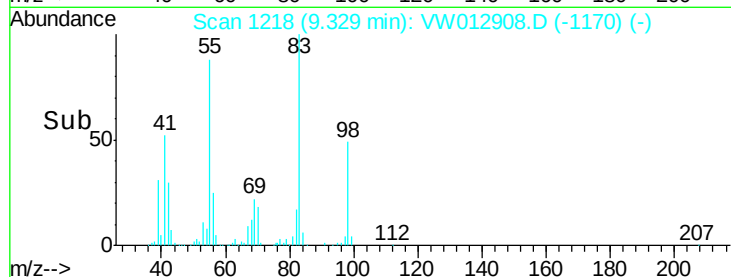
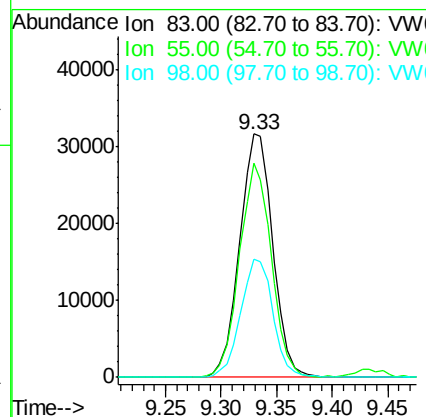
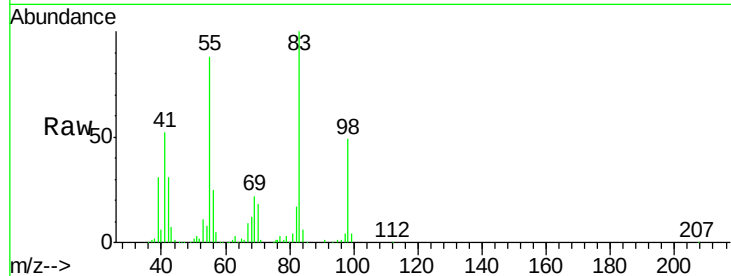
#39
Methylvlcyclohexane
Concen: 21.384 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.8	71.0	106.4
98	48.6	36.9	55.3

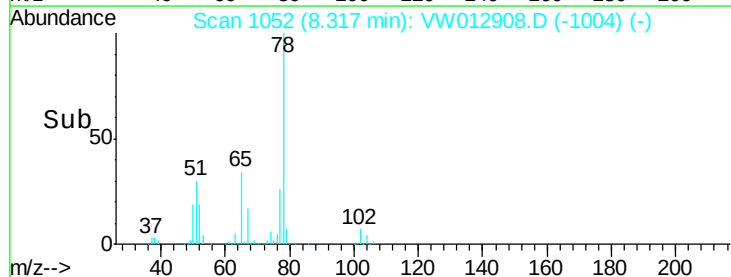
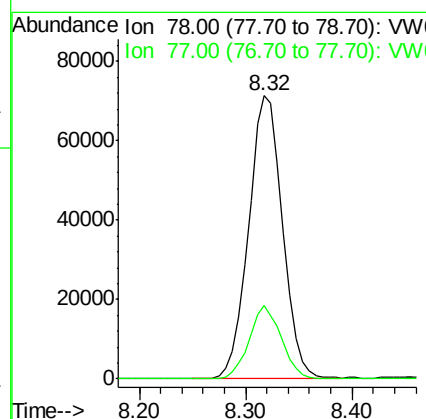
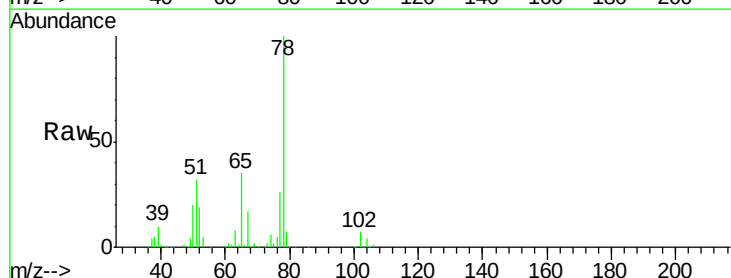
Manual Integrations
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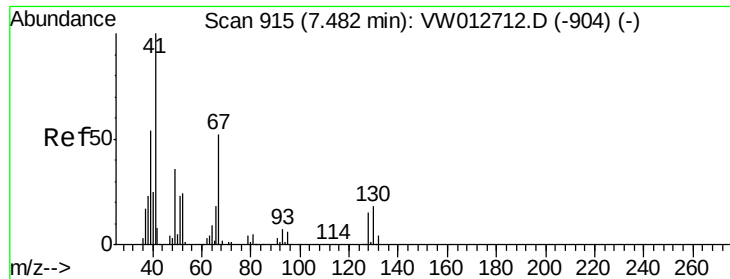
MMDadoda
9/13/2019 1:32:41 AM



#40
Benzene
Concen: 21.190 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.1	19.3	28.9





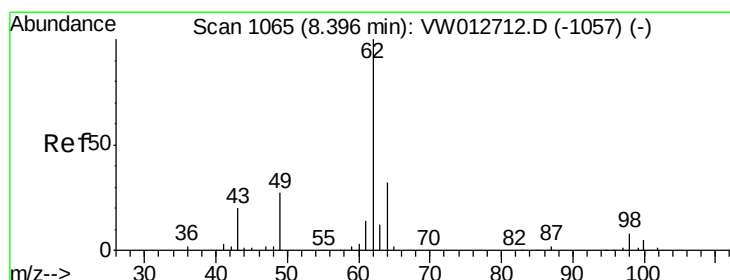
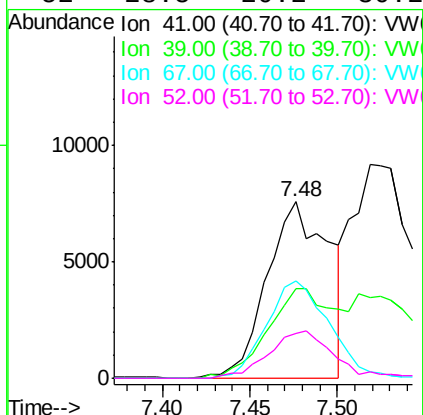
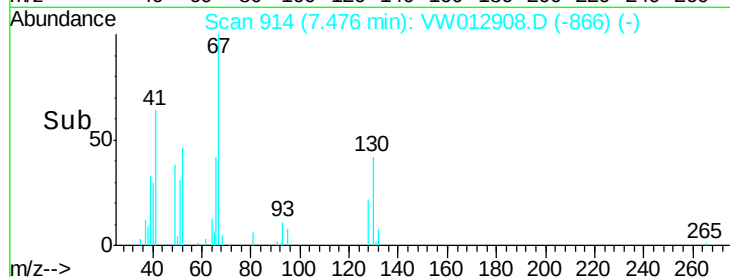
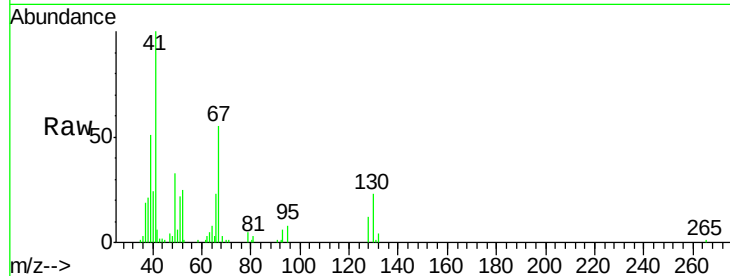
#41
Methacrylonitrile
Concen: 18.489 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

Tot Ion	41	Resp	18668
Ion Ratio	Lower	Upper	
41	100		
39	57.8	47.5	71.3
67	56.2	45.1	67.7
52	28.5	20.2	30.2

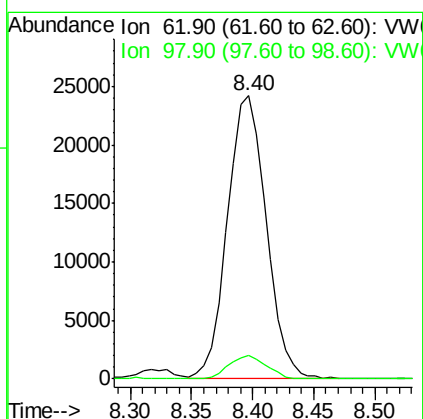
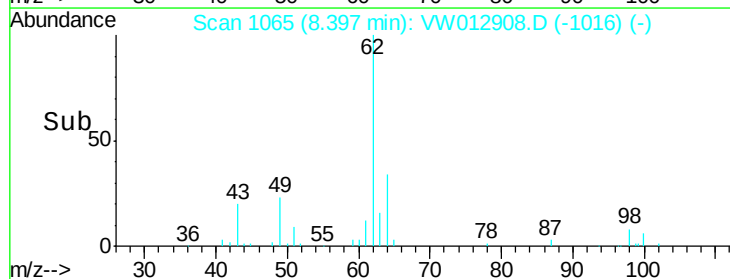
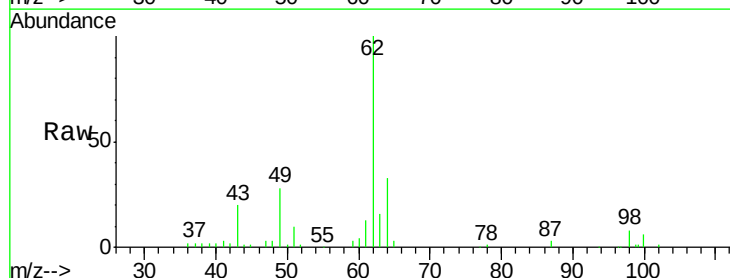
Manual Integrations
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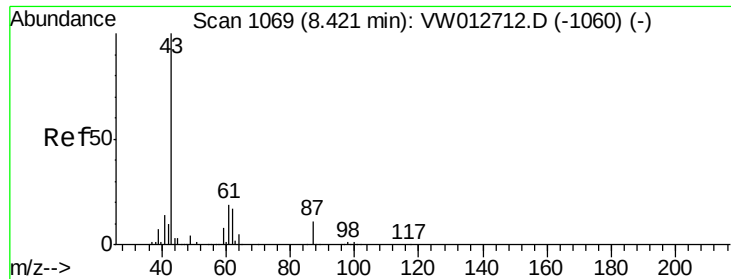
MMDadoda
9/13/2019 1:32:41 AM



#42
1,2-Dichloroethane
Concen: 20.118 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion	62	Resp	53330
Ion Ratio	Lower	Upper	
62	100		
98	8.0	0.0	16.2





#43

Isopropyl Acetate

Concen: 16.554 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

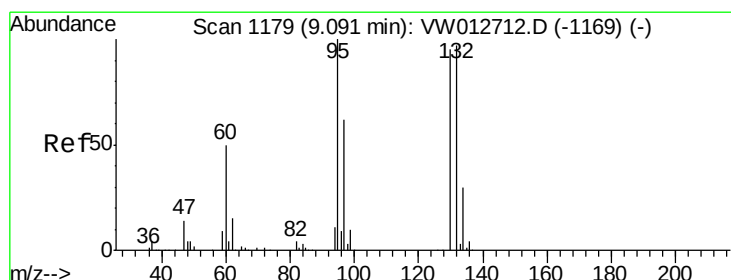
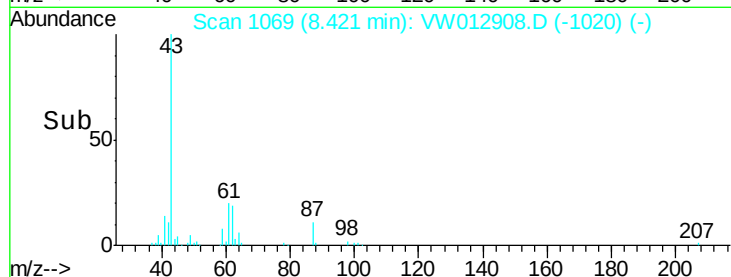
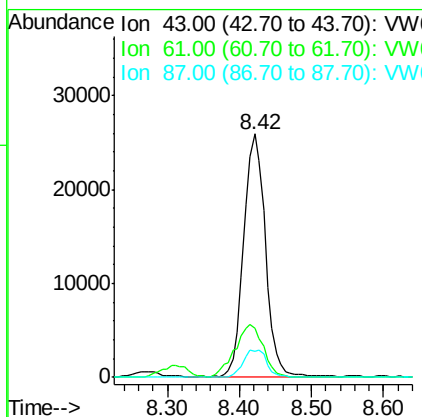
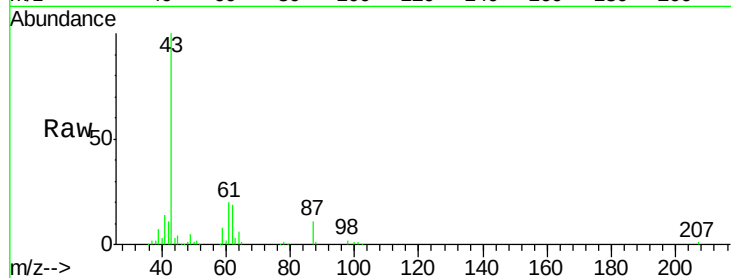
ClientSampleId :

VW0911SBS01

Tot Ion:	43	Resp:	54275
Ion	Ratio	Lower	Upper
43	100		
61	28.3	20.6	30.8
87	12.0	8.6	13.0

Manual Integrations
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#44

Trichloroethene

Concen: 22.310 ug/l

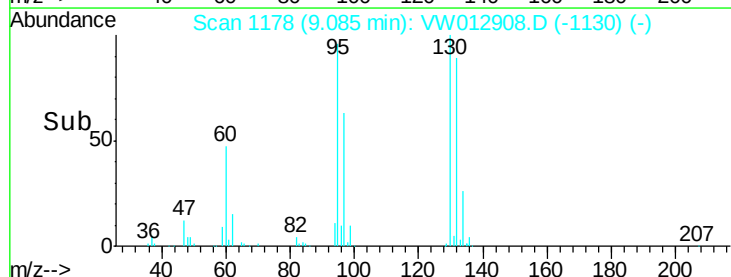
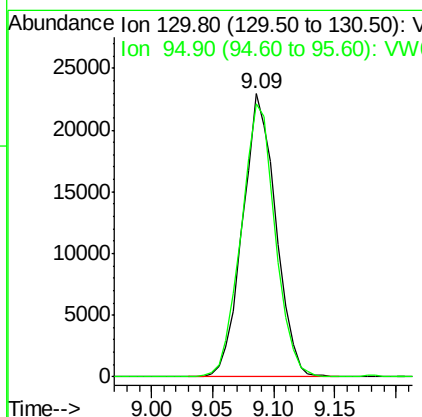
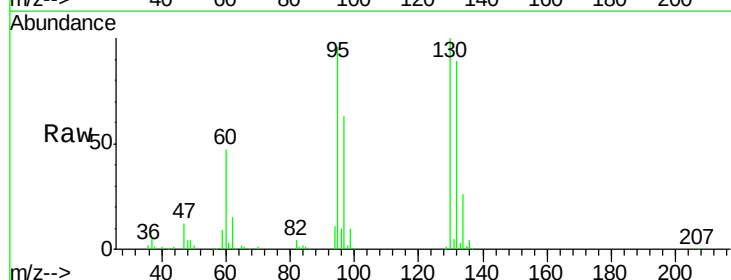
RT: 9.09 min Scan# 1178

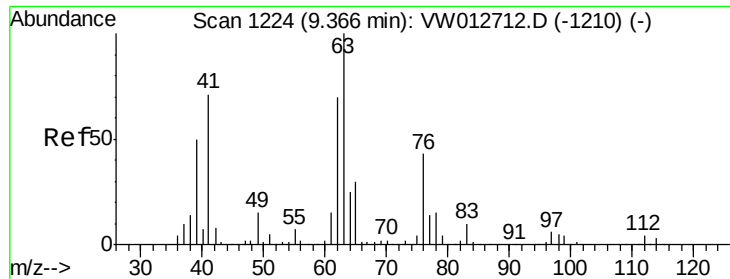
Delta R.T. -0.01 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Tgt Ion:	130	Resp:	43315
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	210.6





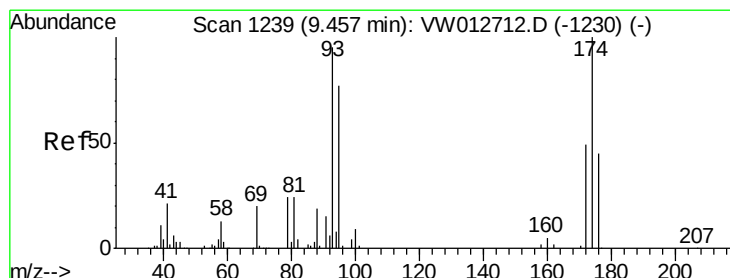
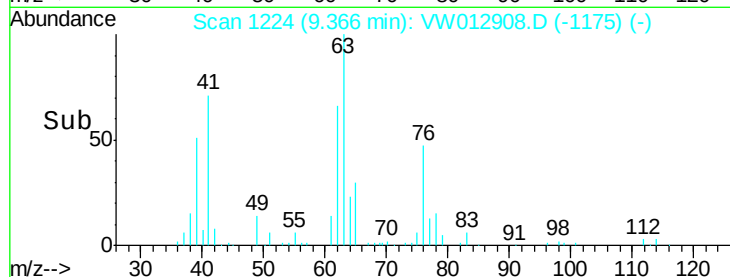
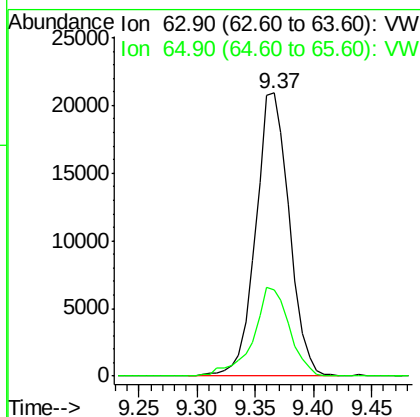
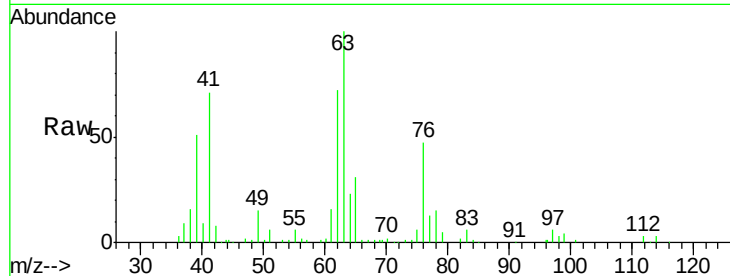
#45
 1,2-Dichloropropane
 Concen: 20.094 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBS01

Tot Ion: 63 Resp: 41976
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.8 35.8

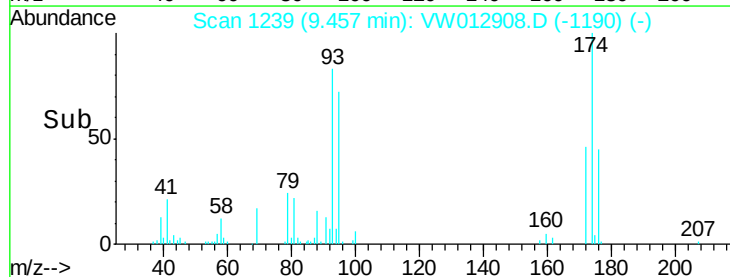
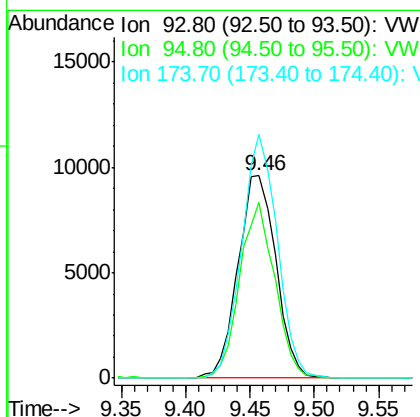
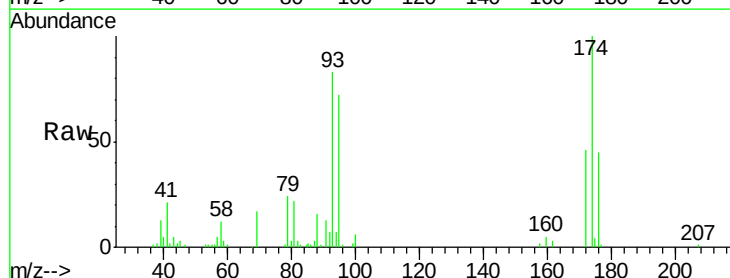
Manual Integrations
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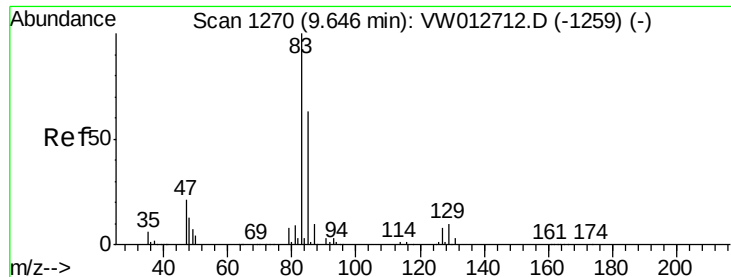
MMDadoda
 9/13/2019 1:32:41 AM



#46
 Dibromomethane
 Concen: 19.794 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Tgt Ion: 93 Resp: 19581
 Ion Ratio Lower Upper
 93 100
 95 80.3 65.2 97.8
 174 112.8 84.2 126.4





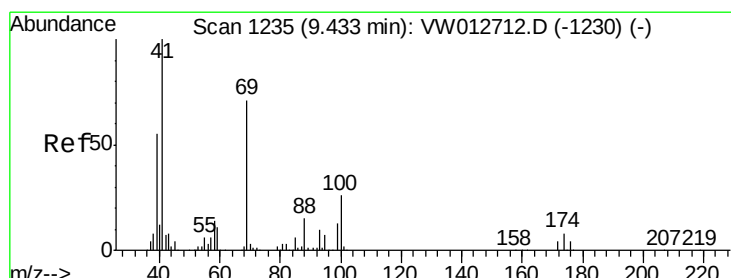
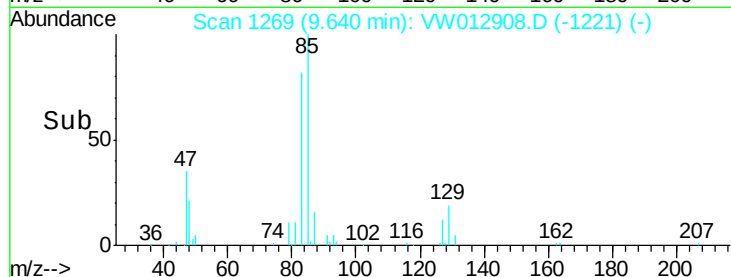
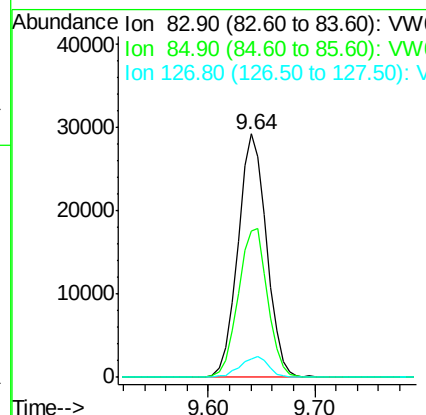
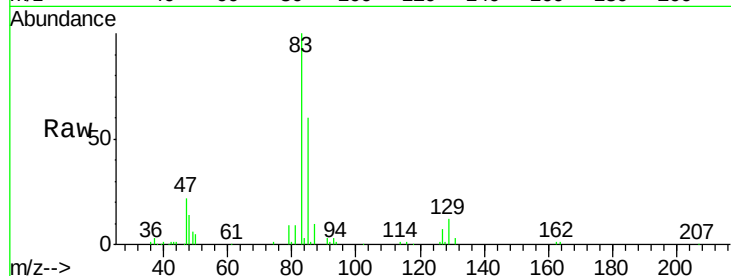
#47
Bromodichloromethane
Concen: 20.272 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	55172		
85	60.3		50.2	75.2
127	7.3		6.6	9.8

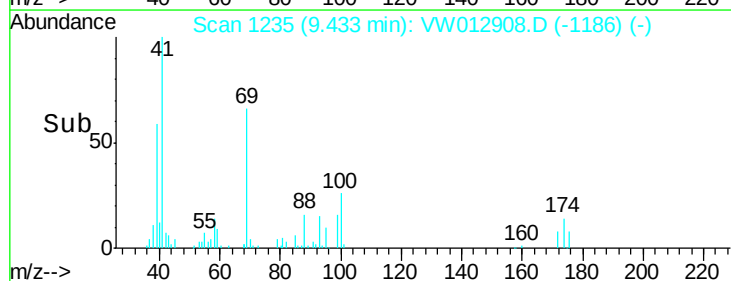
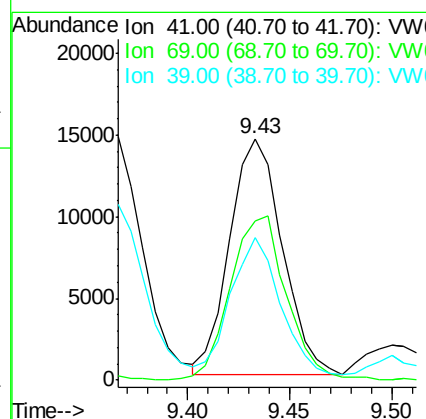
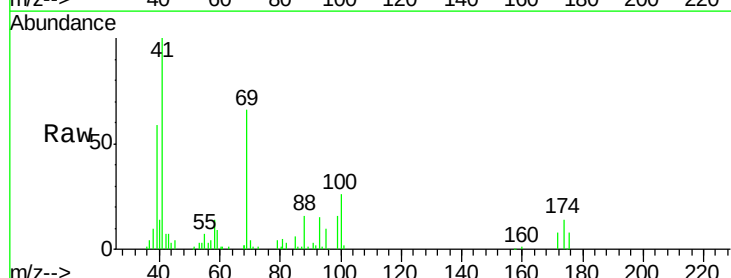
Manual Integrations
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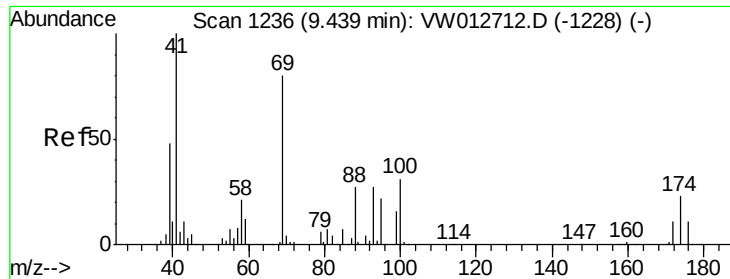
MMDadoda
9/13/2019 1:32:41 AM



#48
Methyl methacrylate
Concen: 16.531 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	25901		
69	74.4		59.8	89.8
39	59.5		47.0	70.6





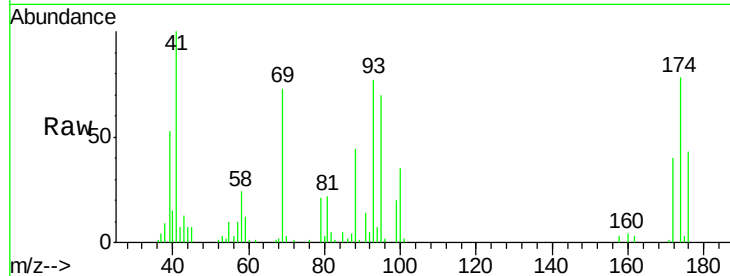
#49
1,4-Dioxane
Concen: 364.376 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

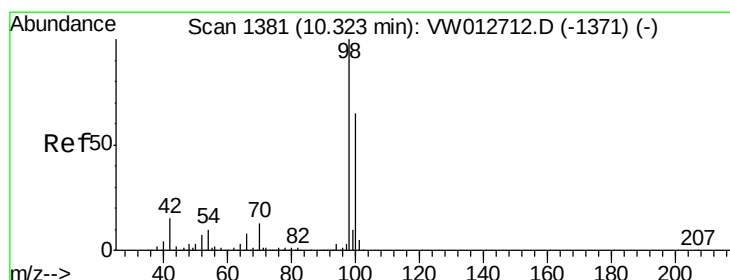
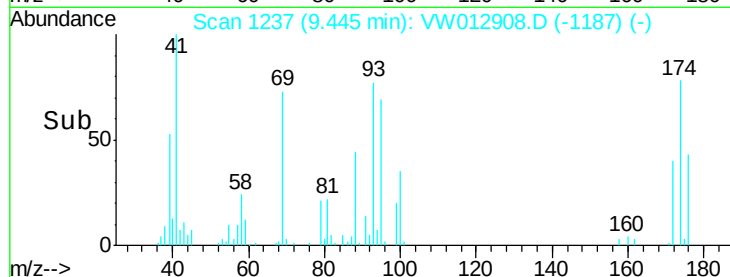
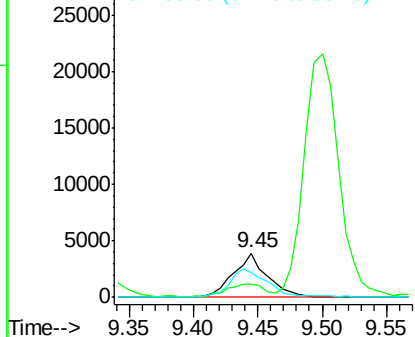
Tot Ion: 88 Resp: 7120
Ion Ratio Lower Upper
88 100
43 32.5 34.8 52.2#
58 71.8 64.1 96.1

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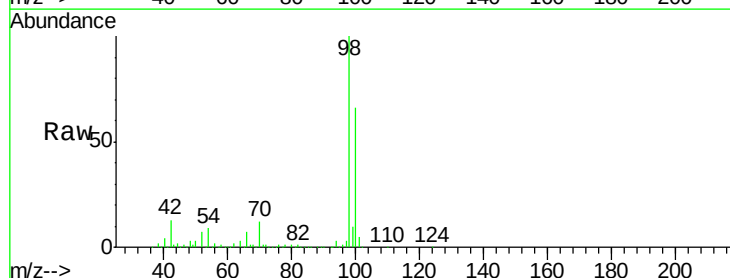


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

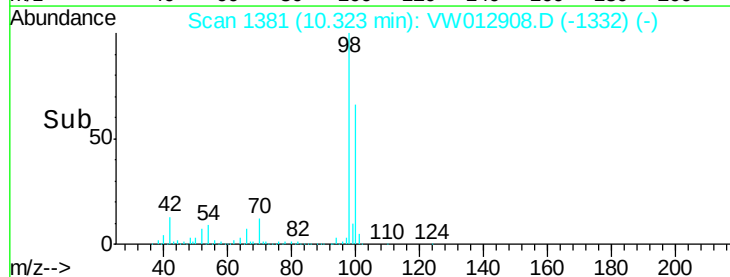
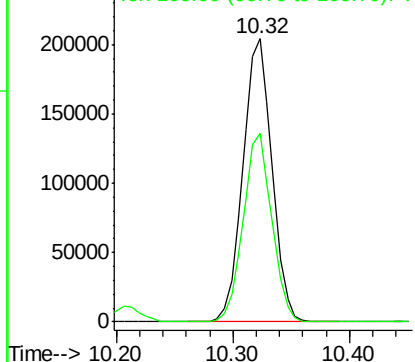


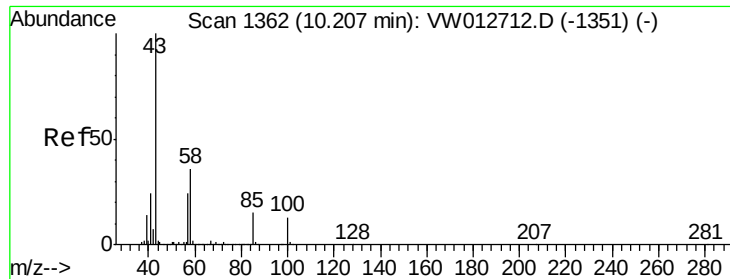
#50
Toluene-d8
Concen: 49.957 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion: 98 Resp: 355516
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 81.543 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBS01

Tot Ion: 43 Resp: 140286

Ion Ratio Lower Upper

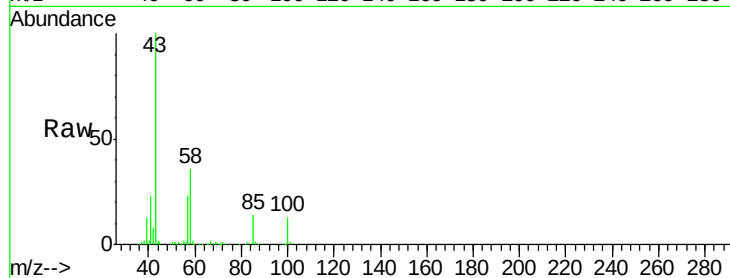
43 100

58 37.6 28.4 42.6

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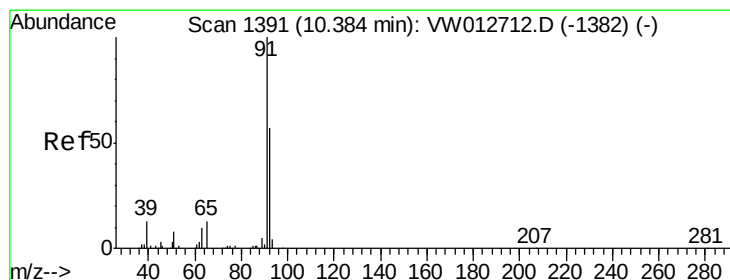
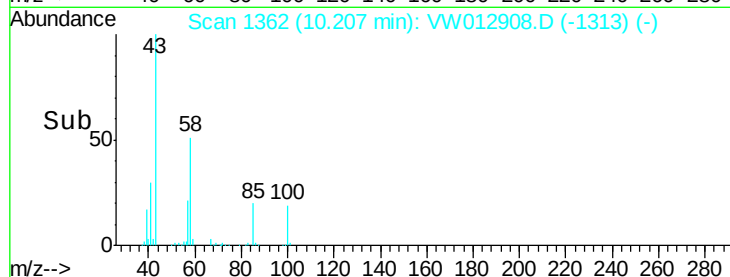
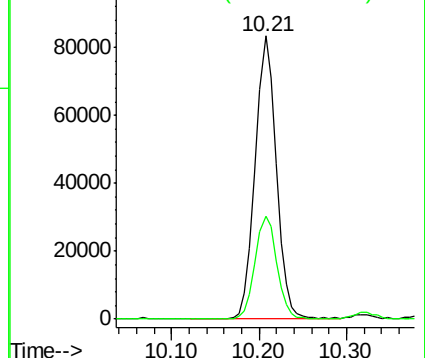
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.855 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW012908.D

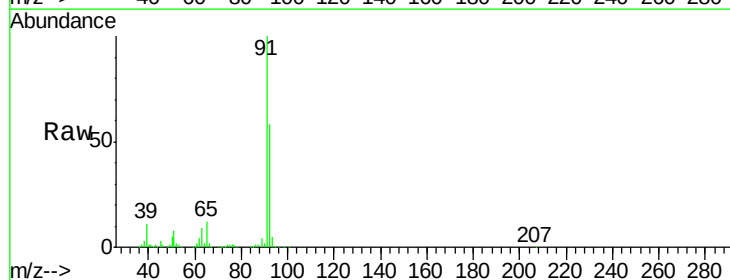
Acq: 11 Sep 2019 11:14

Tgt Ion: 92 Resp: 102740

Ion Ratio Lower Upper

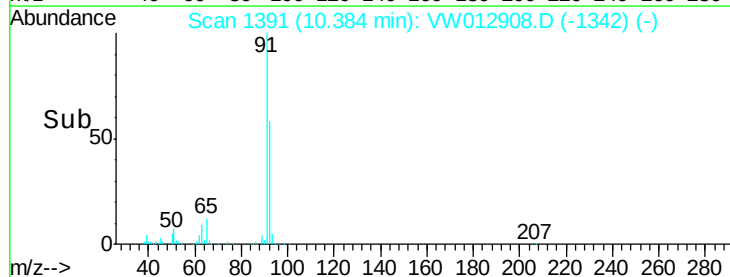
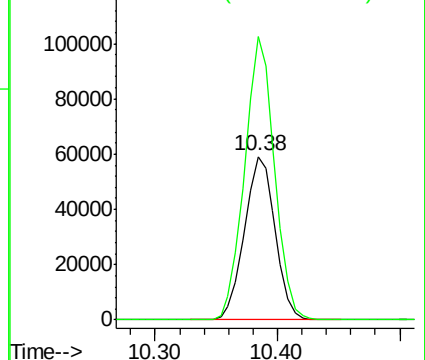
92 100

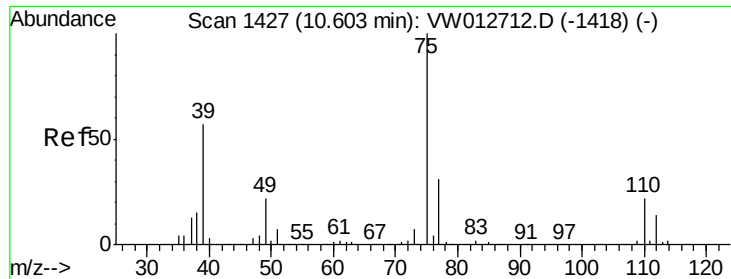
91 168.7 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





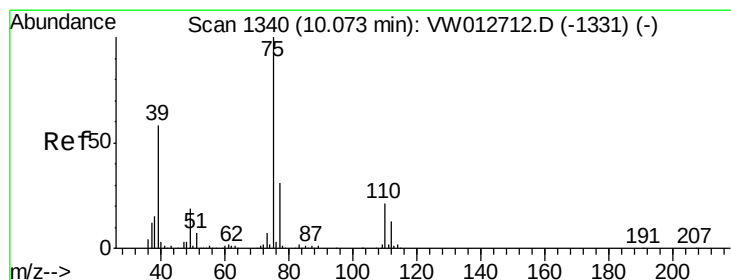
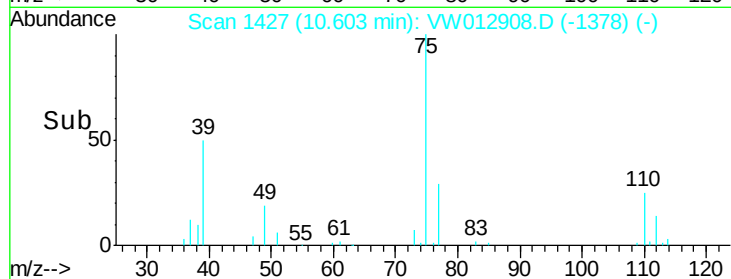
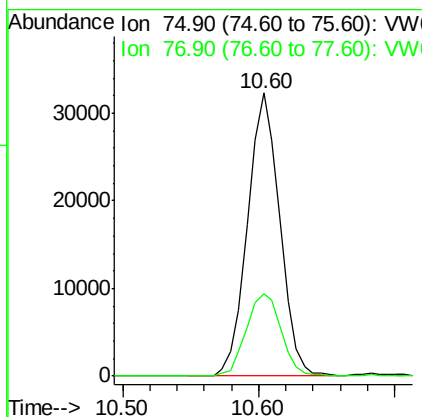
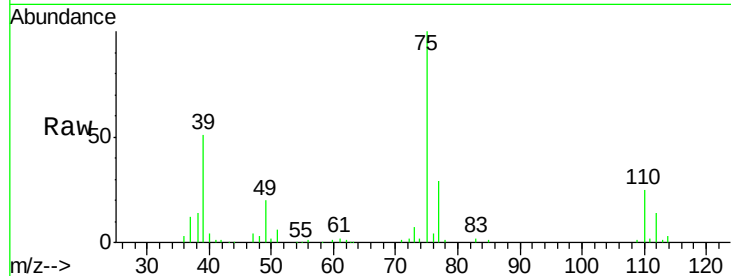
#53
 t-1,3-Dichloropropene
 Concen: 19.214 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBS01

Tot Ion: 75 Resp: 53772
 Ion Ratio Lower Upper
 75 100
 77 29.0 24.7 37.1

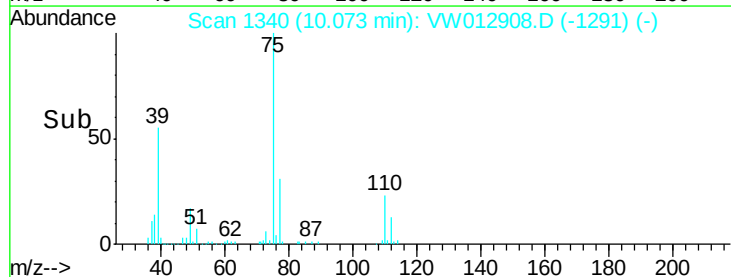
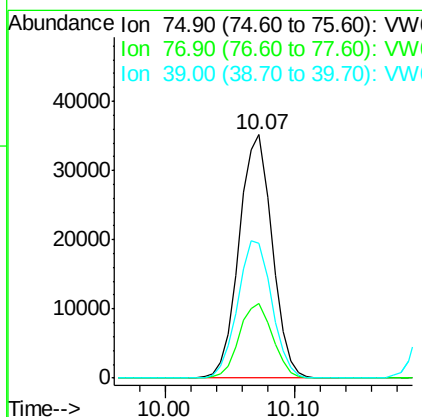
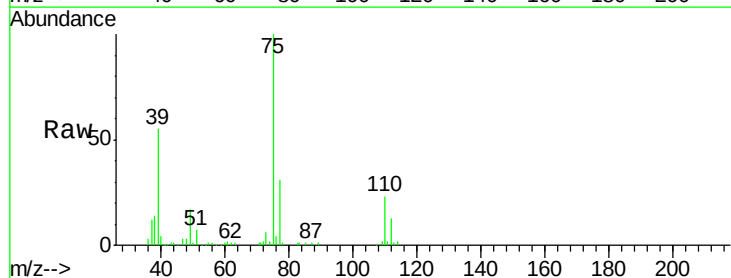
Manual Integrations
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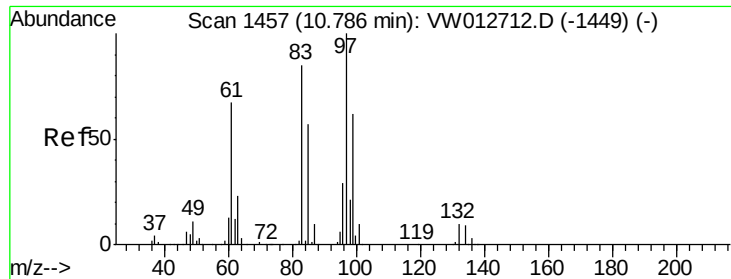
MMDadoda
 9/13/2019 1:32:41 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.622 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Tgt Ion: 75 Resp: 62293
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.6 36.8
 39 55.3 46.3 69.5





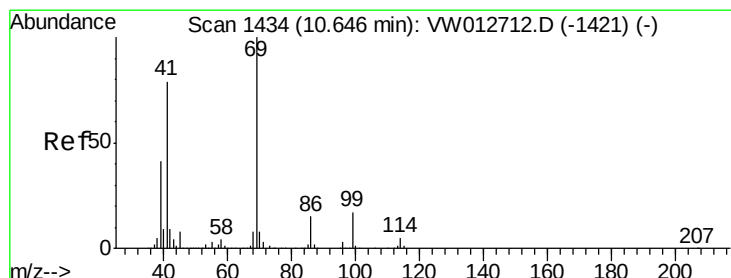
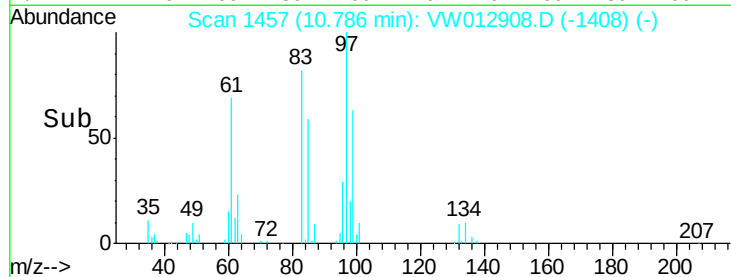
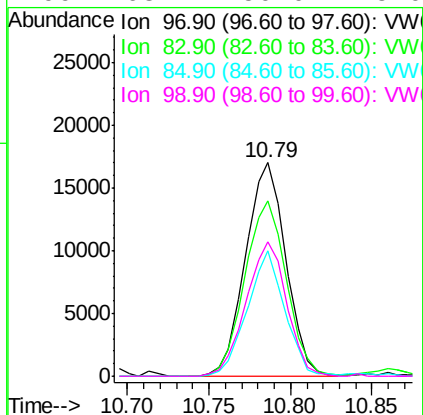
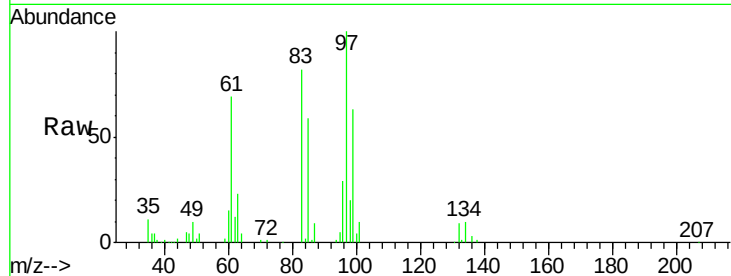
#55
 1,1,2-Trichloroethane
 Concen: 19.765 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBS01

Tot Ion:	97	Resp:	29272
Ion	Ratio	Lower	Upper
97	100		
83	82.4	68.1	102.1
85	58.8	45.3	67.9
99	63.2	50.0	75.0

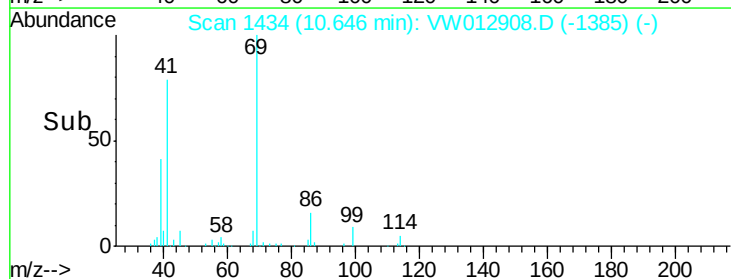
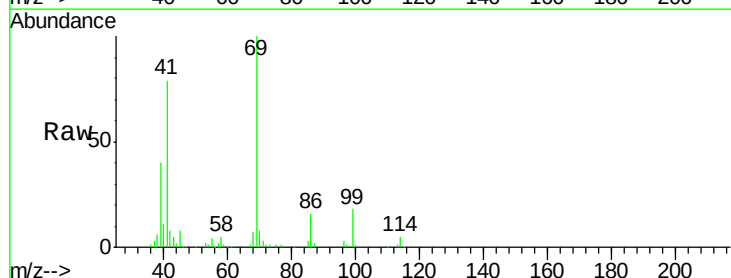
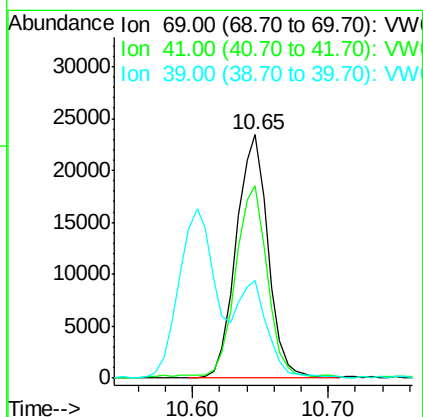
Manual Integrations
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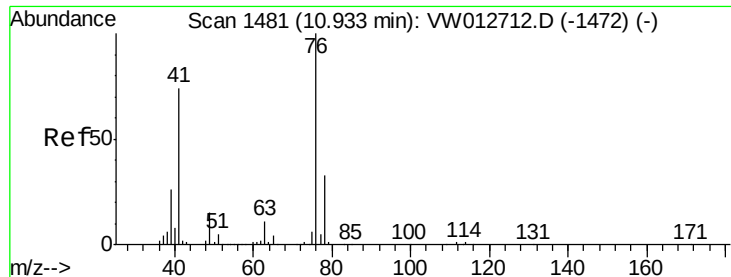
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 9/13/2019 1:32:41 AM



#56
 Ethyl methacrylate
 Concen: 17.654 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Tgt Ion:	69	Resp:	38272
Ion	Ratio	Lower	Upper
69	100		
41	80.1	64.4	96.6
39	36.1	31.1	46.7





#57

1,3-Dichloropropane

Concen: 19.534 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBS01

Tot Ion: 76 Resp: 53520

Ion Ratio Lower Upper

76 100

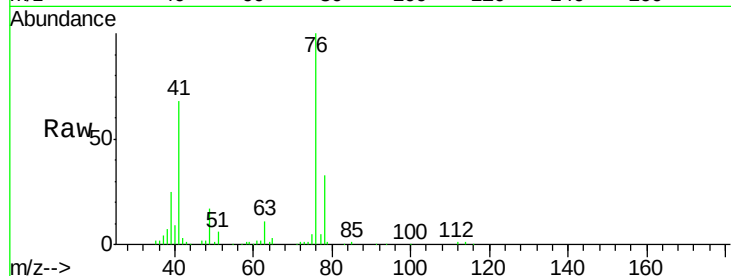
78 31.4 25.9 38.9

Manual Integrations

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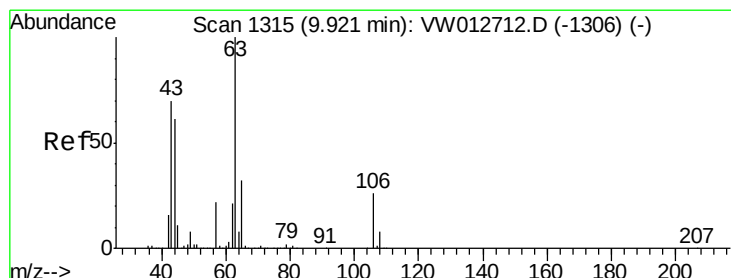
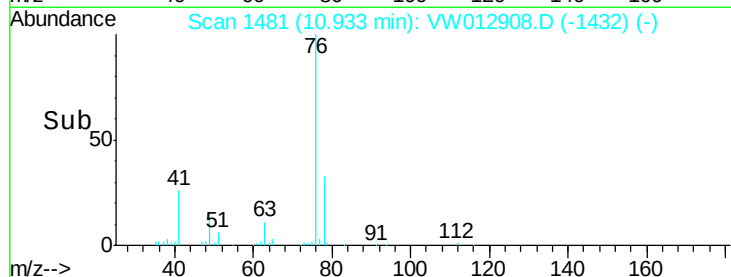
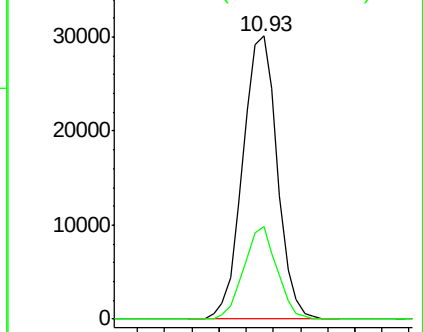
MMDadoda

9/13/2019 1:32:41 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 88.127 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW012908.D

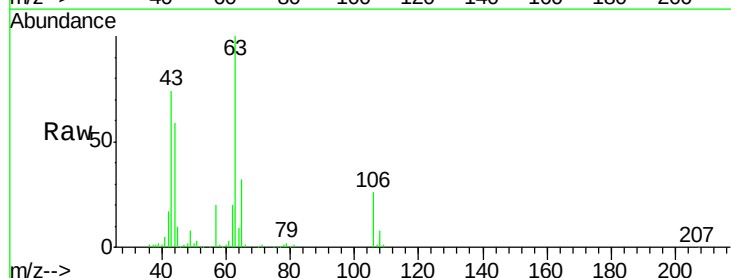
Acq: 11 Sep 2019 11:14

Tgt Ion: 63 Resp: 101425

Ion Ratio Lower Upper

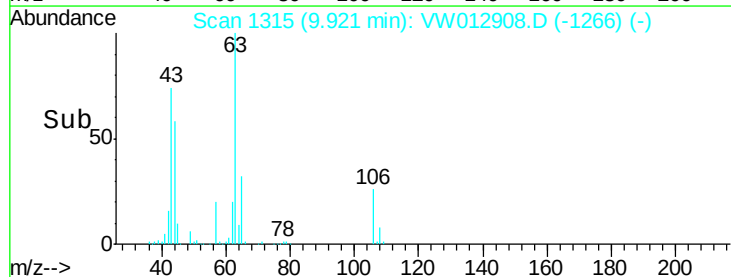
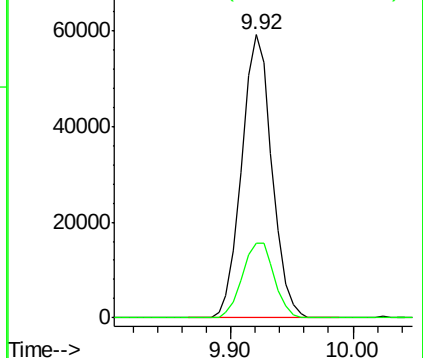
63 100

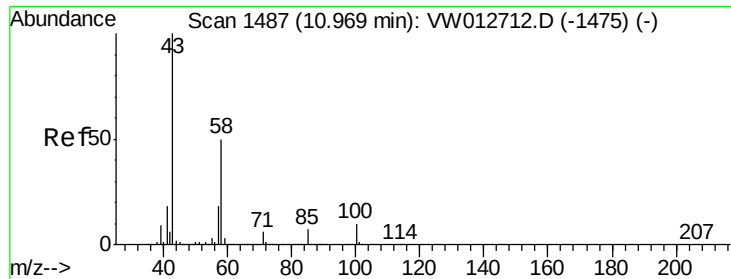
106 27.9 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





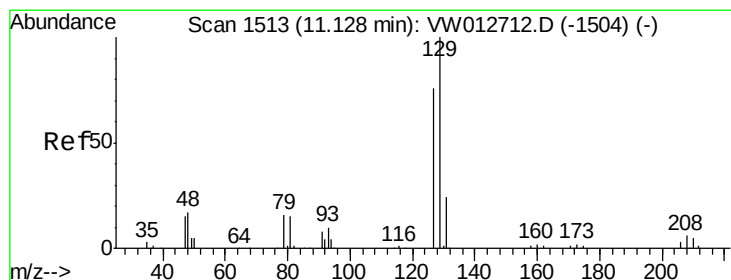
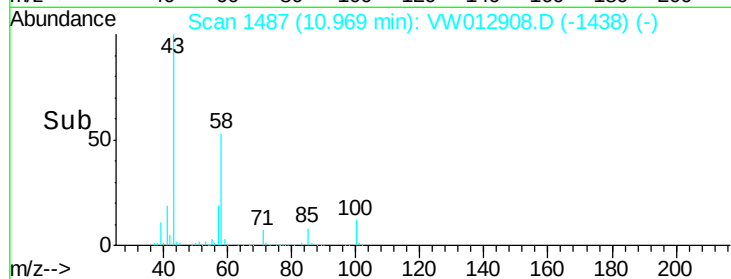
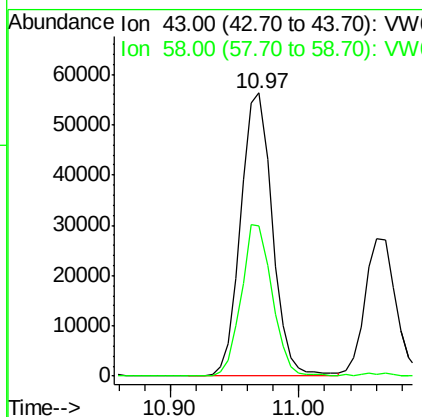
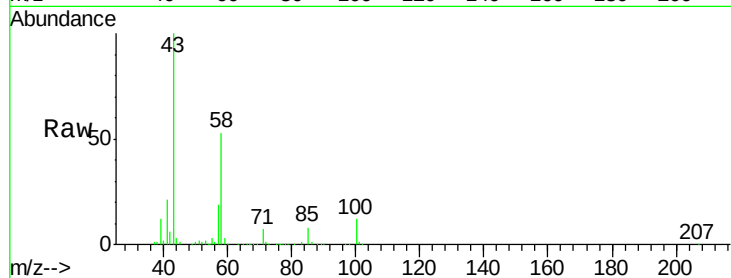
#59
2-Hexanone
Concen: 76.340 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

Tot Ion: 43 Resp: 95952
Ion Ratio Lower Upper
43 100
58 52.2 24.7 74.1

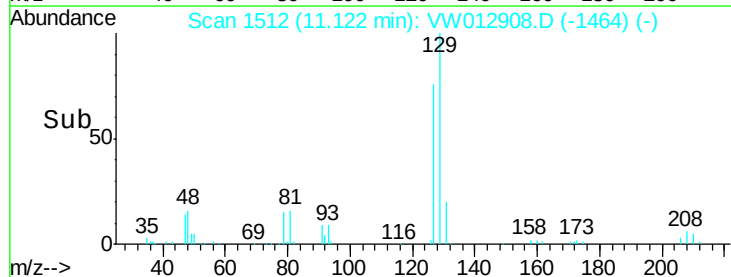
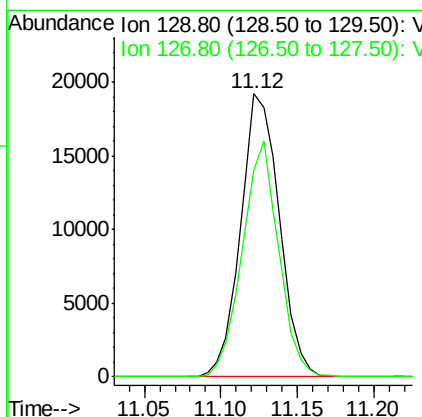
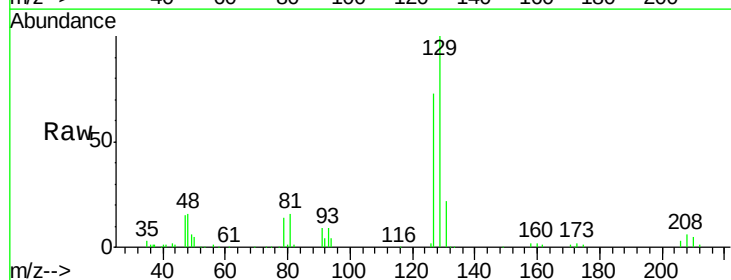
Manual Integrations
APPROVED

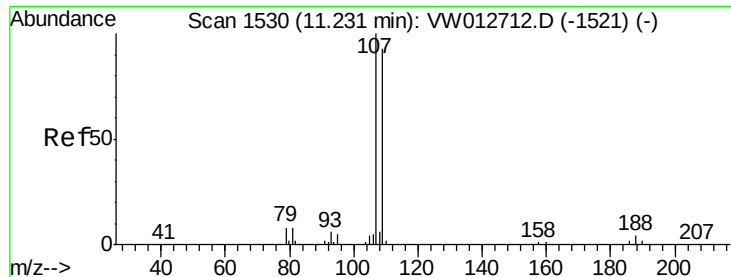
MMDadoda
9/13/2019 1:32:41 AM



#60
Dibromochloromethane
Concen: 19.372 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion: 129 Resp: 33742
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.8





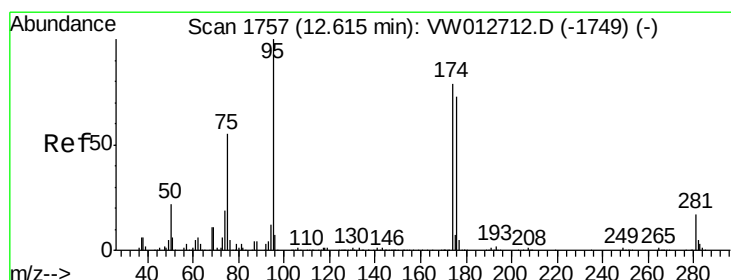
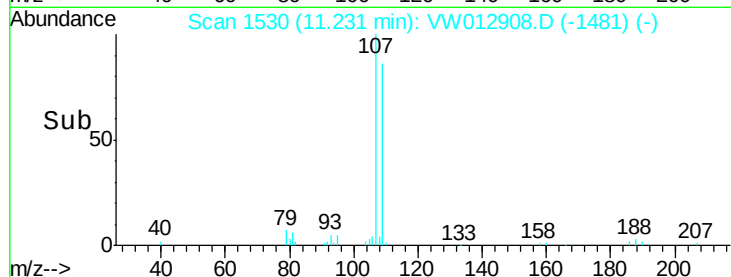
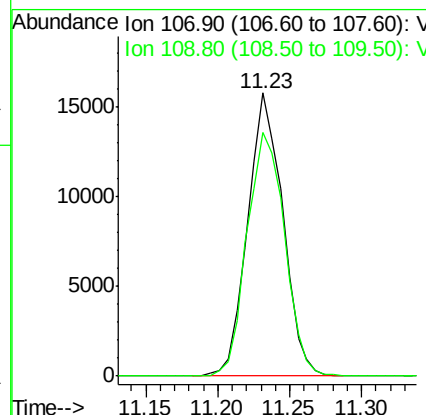
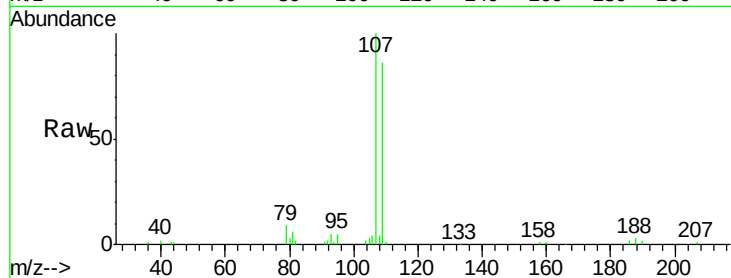
#61
 1,2-Dibromoethane
 Concen: 19.553 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.0	112.6

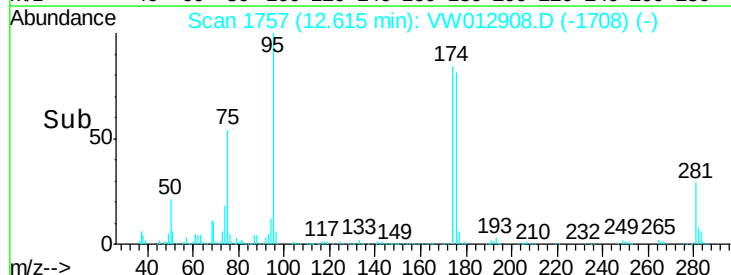
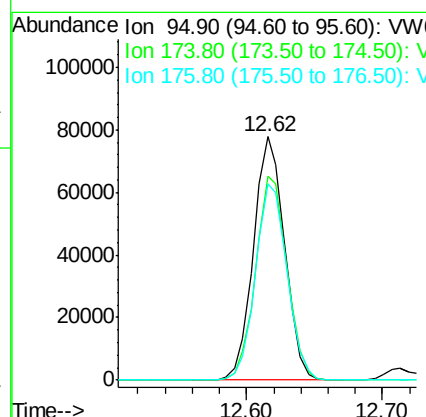
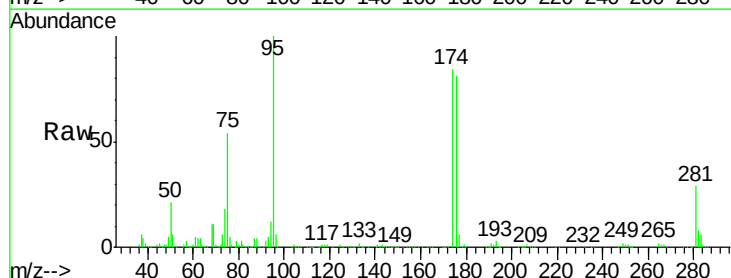
Manual Integrations
 APPROVED

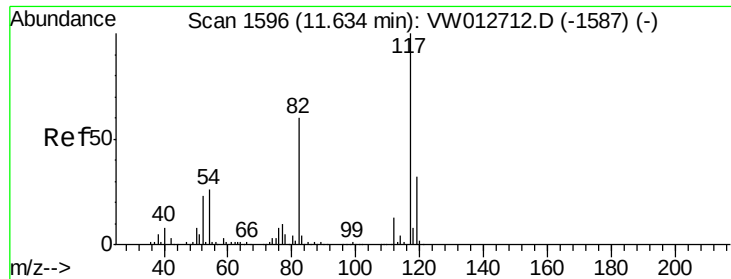
MMDadoda
 9/13/2019 1:32:41 AM



#62
 4-Bromofluorobenzene
 Concen: 48.352 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	161.0
176	81.8	0.0	156.4





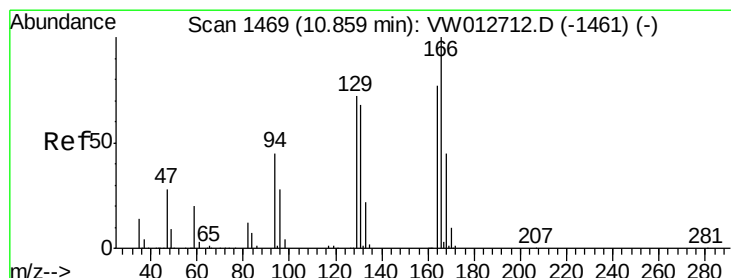
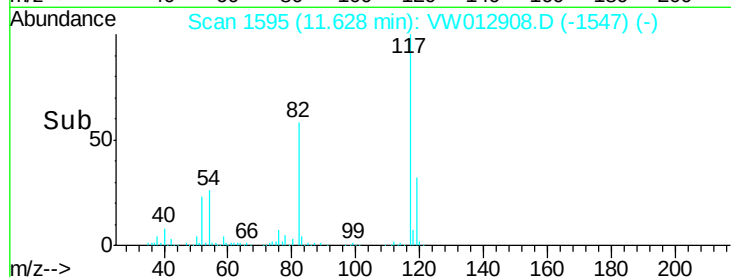
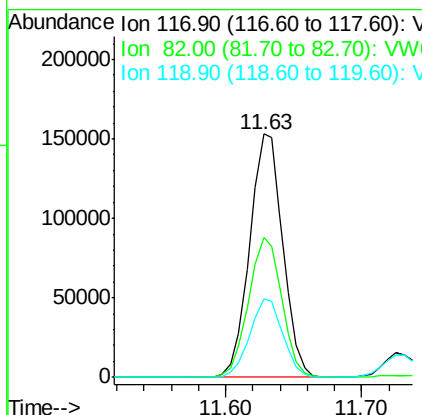
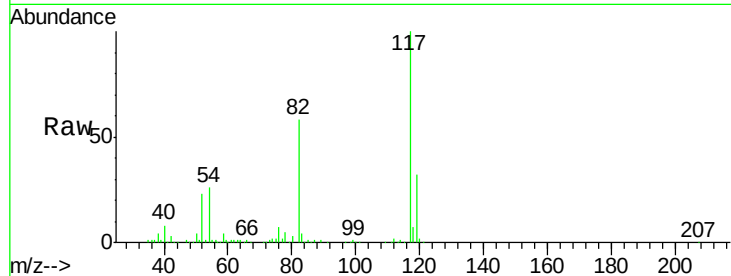
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	261692		
82	57.7	48.2	72.4	
119	32.1	25.8	38.6	

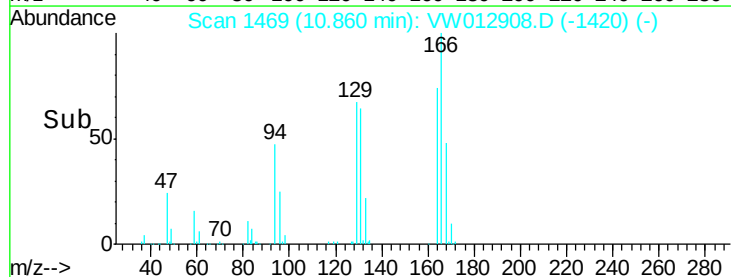
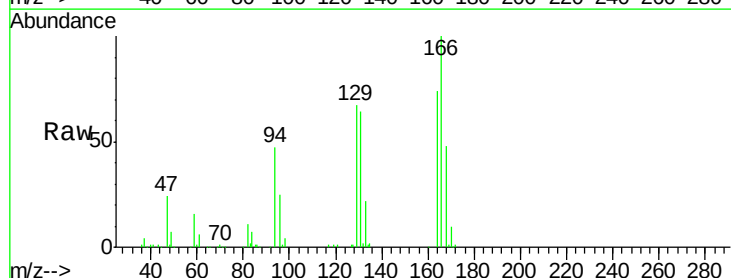
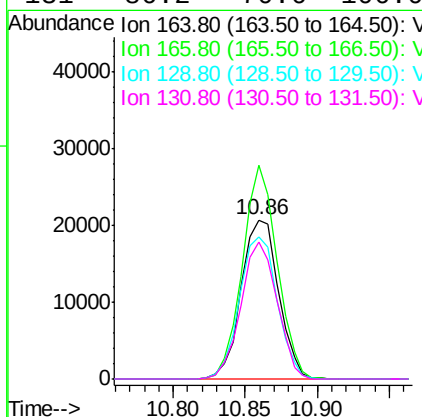
Manual Integrations
APPROVED

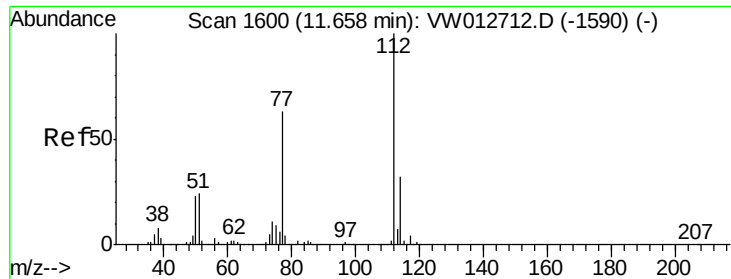
MMDadoda
9/13/2019 1:32:41 AM



#64
Tetrachloroethene
Concen: 23.449 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	37235		
166	134.3	103.6	155.4	
129	89.6	74.6	112.0	
131	86.2	70.6	106.0	





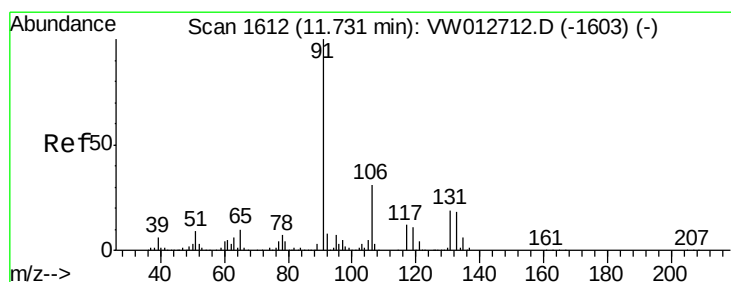
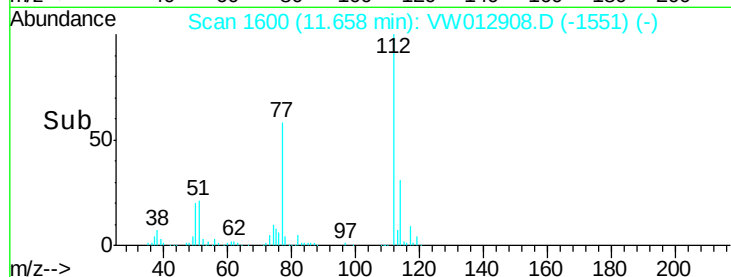
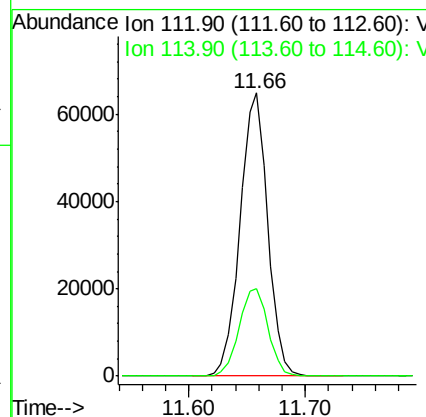
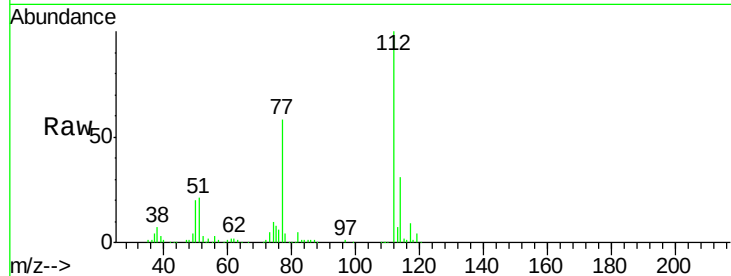
#65
Chlorobenzene
Concen: 21.634 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

Tot Ion:112 Resp: 107003
Ion Ratio Lower Upper
112 100
114 30.9 25.3 37.9

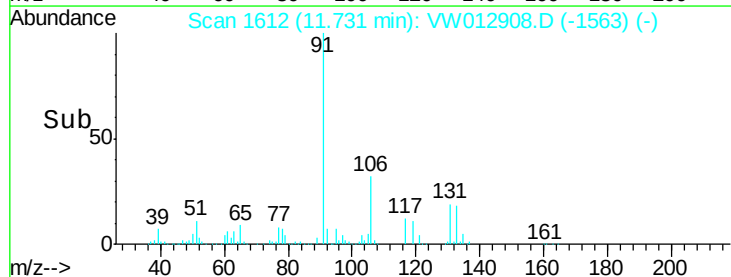
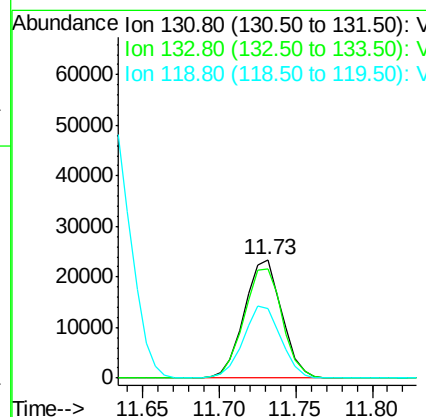
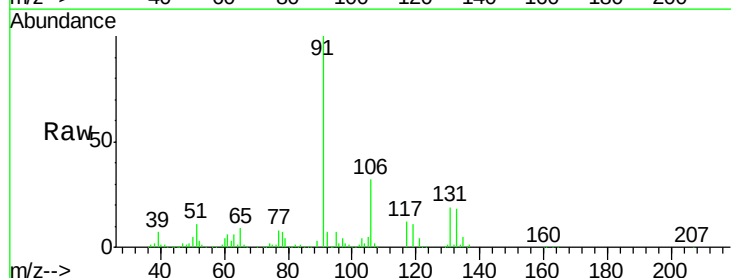
Manual Integrations
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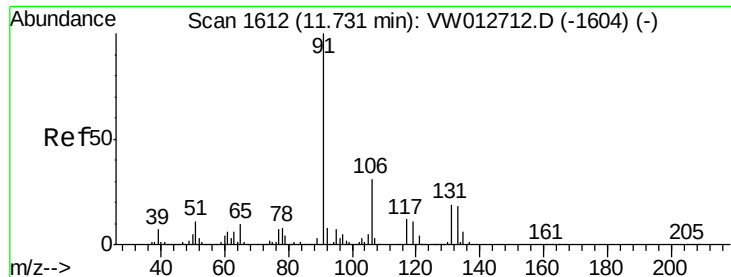
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.679 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion:131 Resp: 39932
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.8
119 61.3 30.6 92.0





#67

Ethyl Benzene

Concen: 21.736 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBS01

Tot Ion: 91 Resp: 201713

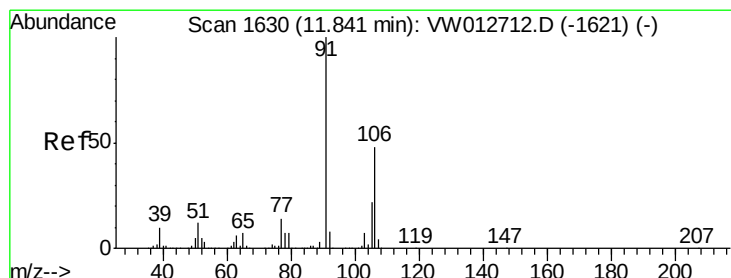
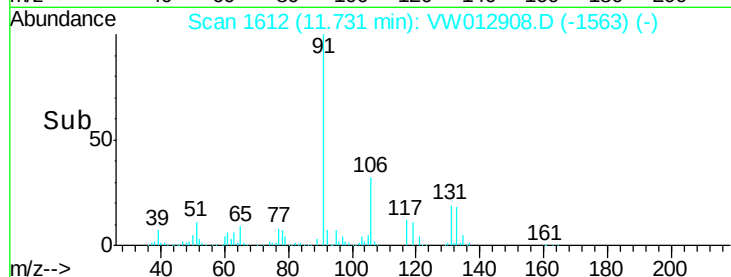
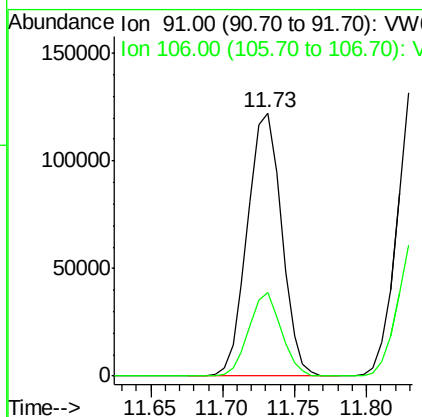
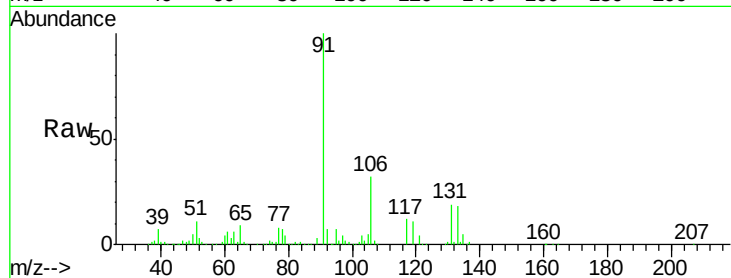
Ion Ratio Lower Upper

91 100

106 31.9 24.4 36.6

Manual Integrations
APPROVED

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9/13/2019 1:32:41 AM



#68

m/p-Xylenes

Concen: 43.948 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW012908.D

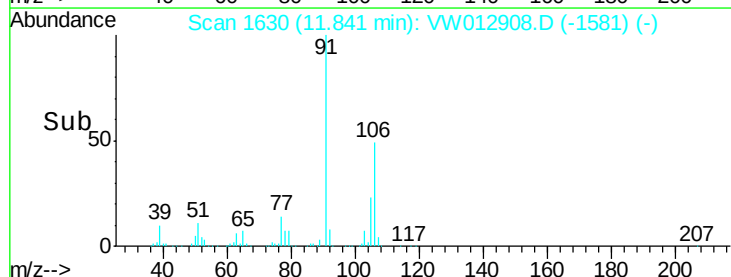
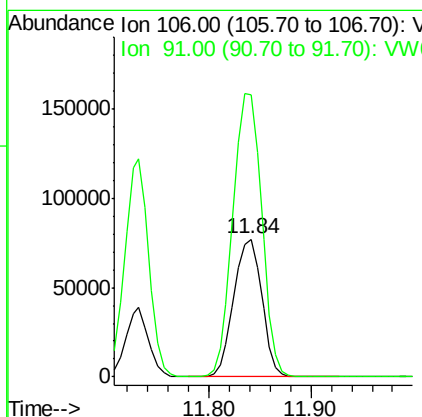
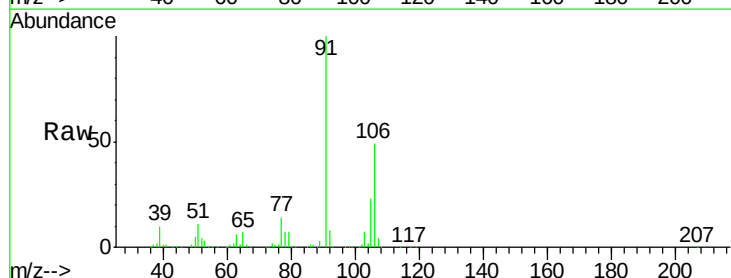
Acq: 11 Sep 2019 11:14

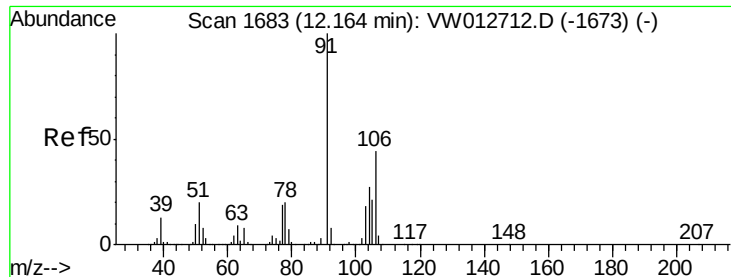
Tgt Ion: 106 Resp: 147211

Ion Ratio Lower Upper

106 100

91 211.1 168.2 252.4





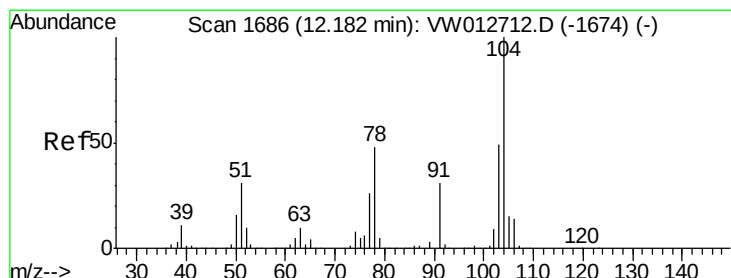
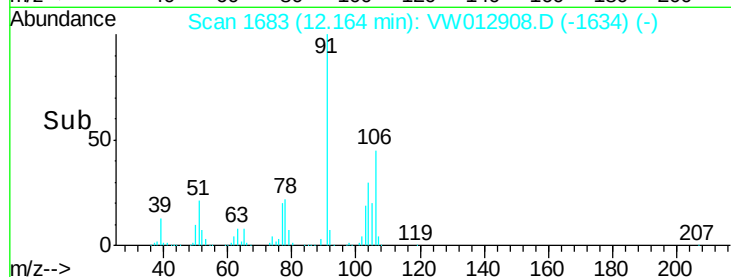
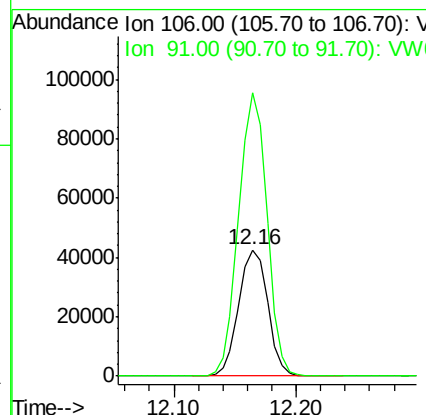
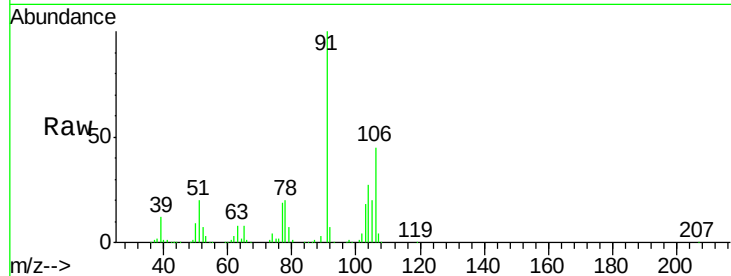
#69
o-Xylene
Concen: 22.208 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	70180		
91	91	218.1		112.3	336.8

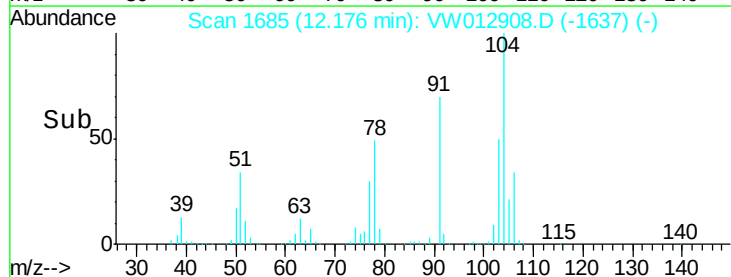
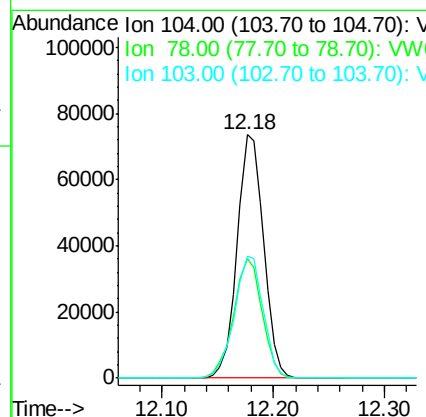
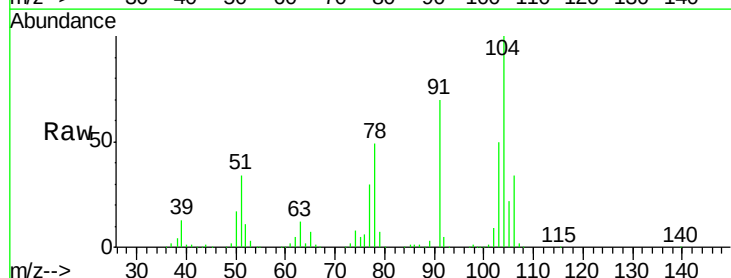
Manual Integrations
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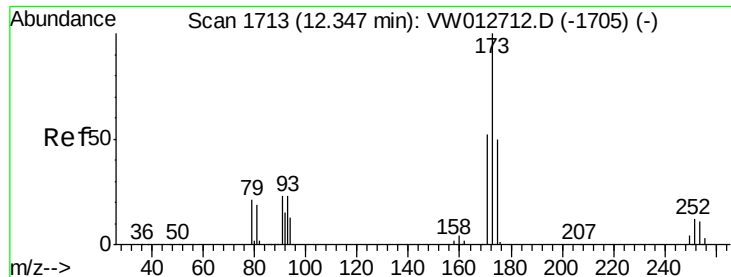
MMDadoda
9/13/2019 1:32:41 AM



#70
Styrene
Concen: 21.693 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	121136		
78	78	53.0		43.3	64.9
103	103	54.5		44.0	66.0





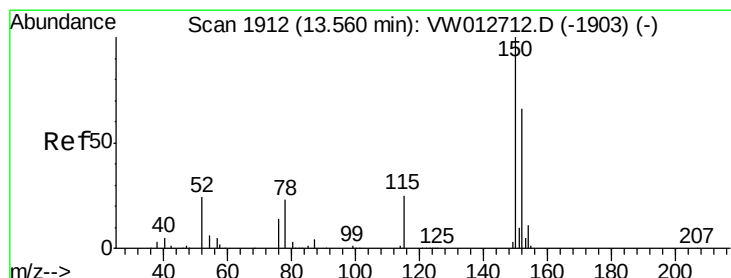
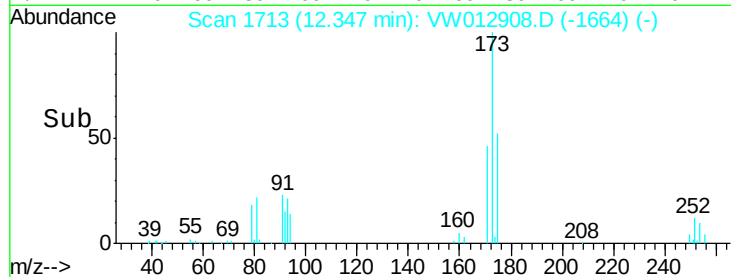
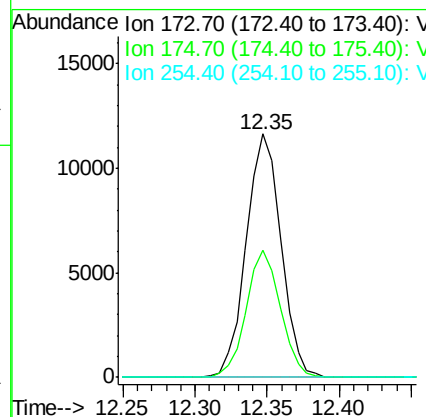
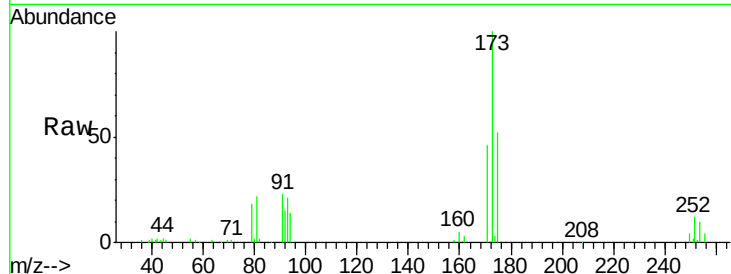
#71
Bromoform
Concen: 19.029 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.3	24.8	74.3
254	0.0	0.1	0.1#

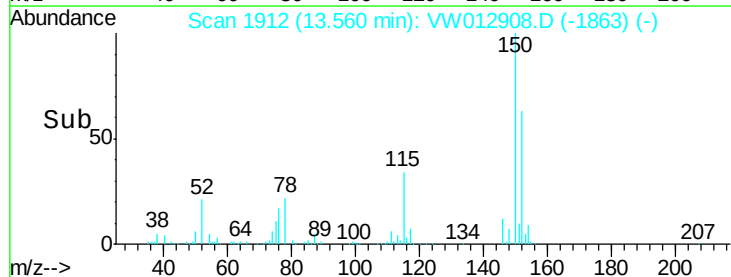
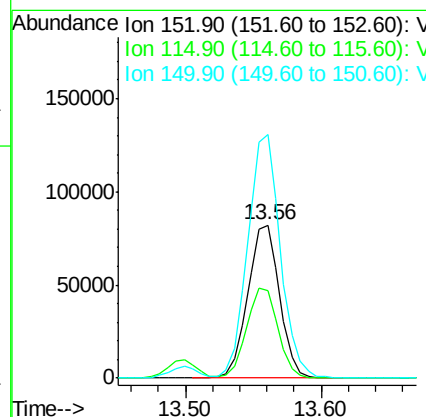
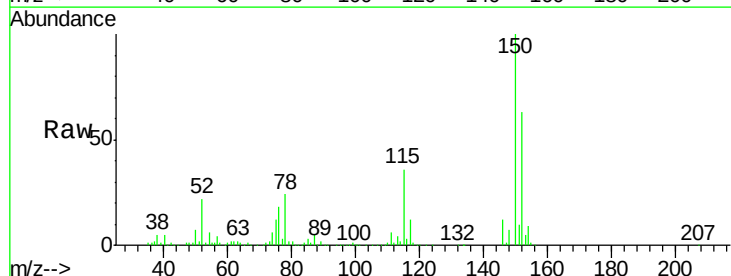
Manual Integrations
APPROVED

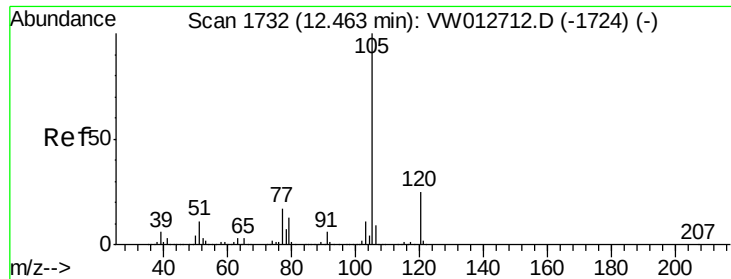
MMDadoda
9/13/2019 1:32:41 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	30.0	90.1
150	165.3	0.0	349.0





#73

Isopropylbenzene

Concen: 20.882 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

ClientSampled :

VW0911SBS01

Tot Ion:105 Resp: 199756

Ion Ratio Lower Upper

105 100

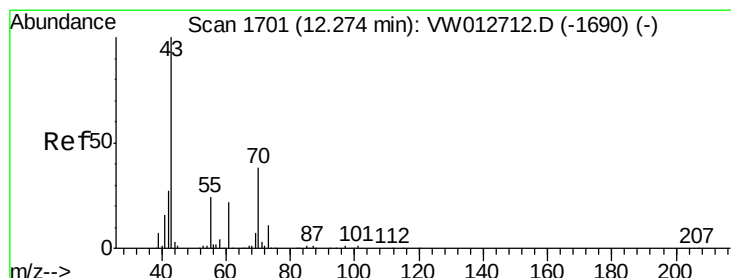
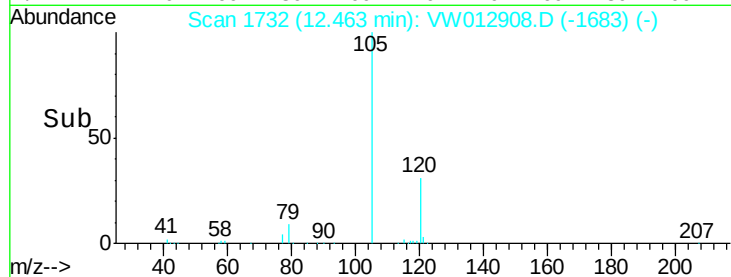
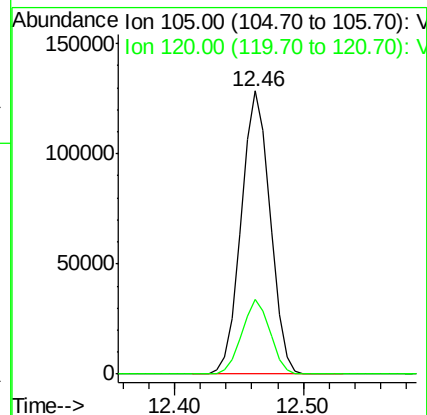
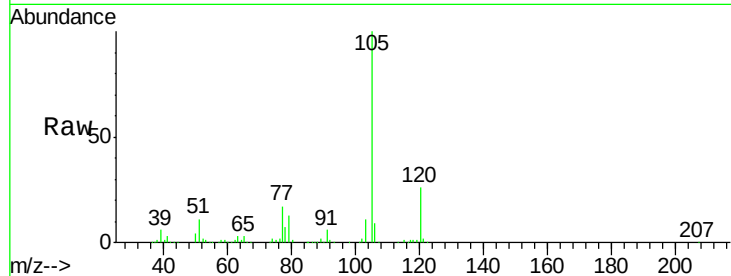
120 25.5 13.0 38.9

Manual Integrations

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9/13/2019 1:32:41 AM



#74

N-ethyl acetate

Concen: 16.053 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Tgt Ion: 43 Resp: 48743

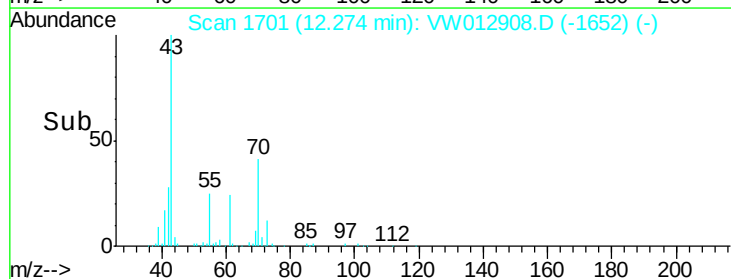
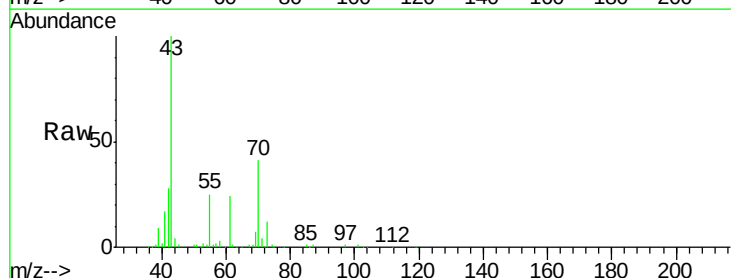
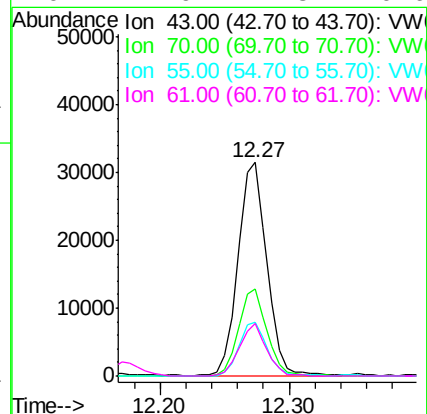
Ion Ratio Lower Upper

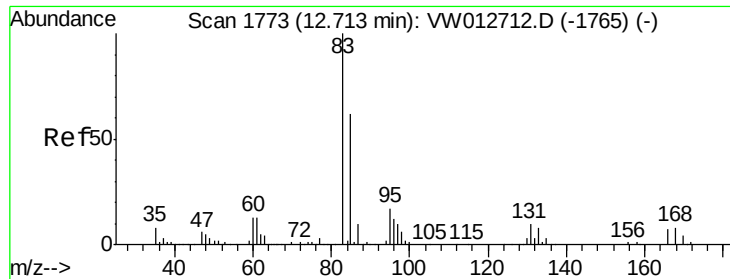
43 100

70 40.5 29.4 44.0

55 24.9 18.6 27.8

61 22.9 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.364 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

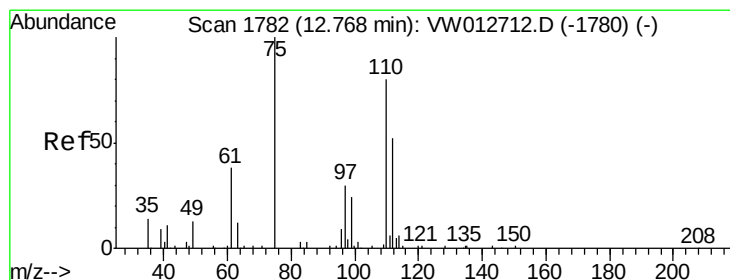
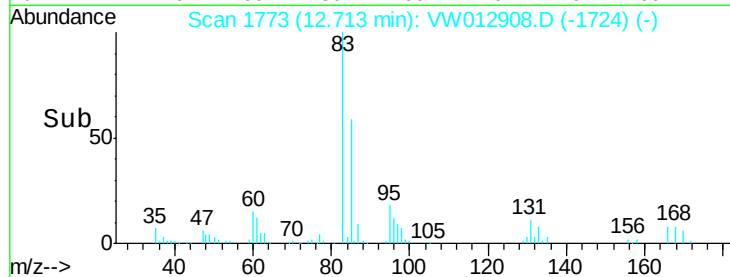
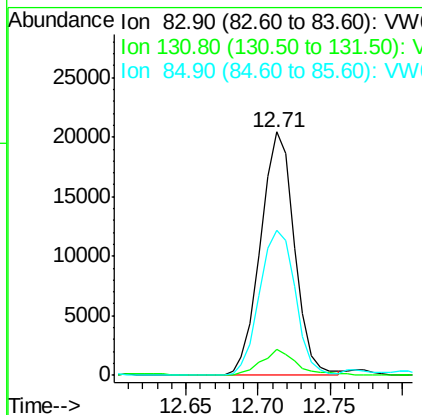
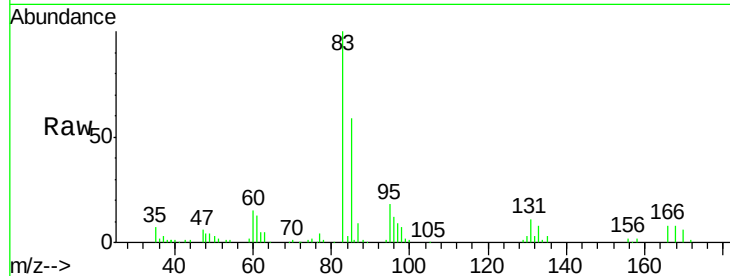
ClientSampled :

VW0911SBS01

Tot Ion:	83	Resp:	33359
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.1	15.4
85	62.4	31.4	94.2

Manual Integrations
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9/13/2019 1:32:41 AM



#76

1,2,3-Trichloropropane

Concen: 20.009 ug/l m

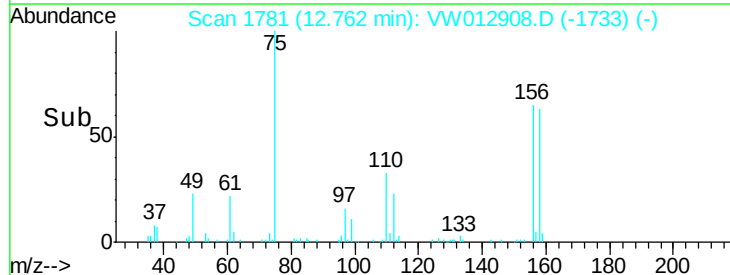
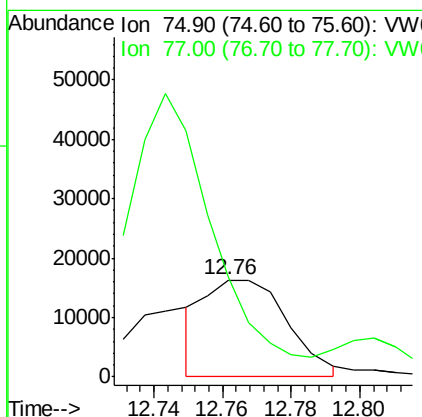
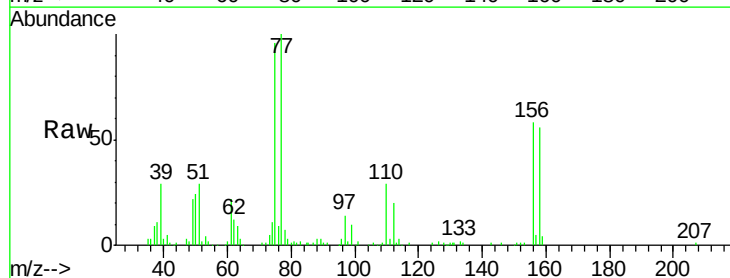
RT: 12.76 min Scan# 1781

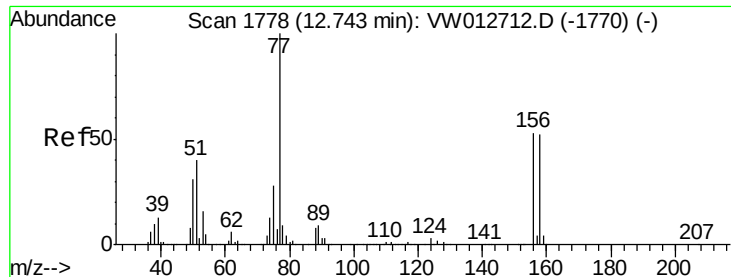
Delta R.T. -0.01 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Tgt Ion:	75	Resp:	27289
Ion Ratio	Lower	Upper	
75	100		
77	314.0	0.0	0.0#





#77

Bromobenzene

Concen: 20.915 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBS01

Tot Ion:156 Resp: 45328

Ion Ratio Lower Upper

156 100

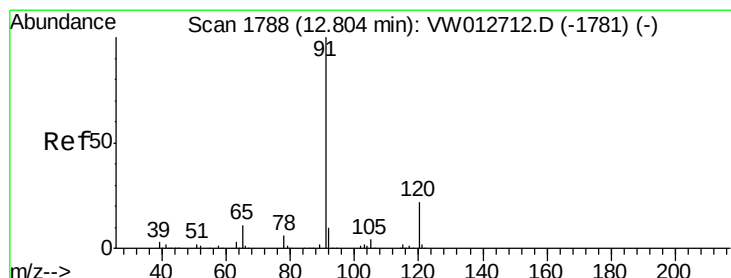
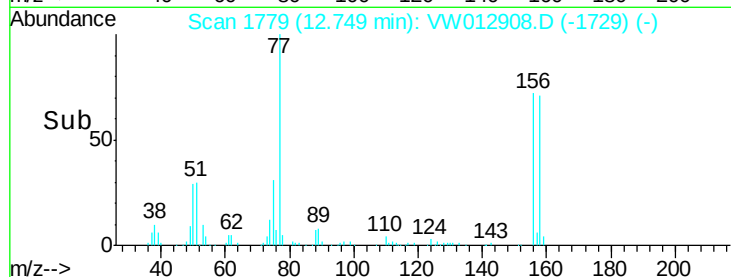
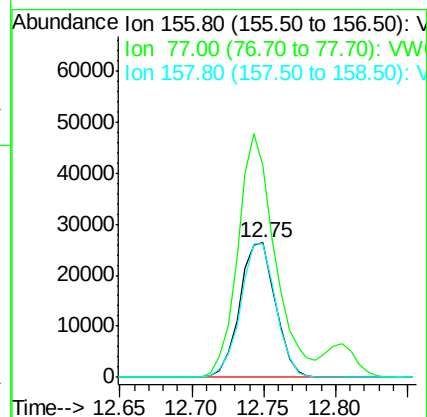
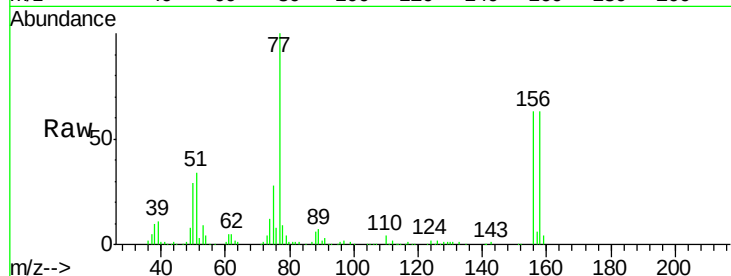
77 189.0 102.3 306.9

158 97.9 48.9 146.8

Manual Integrations
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9/13/2019 1:32:41 AM



#78

n-propylbenzene

Concen: 20.979 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012908.D

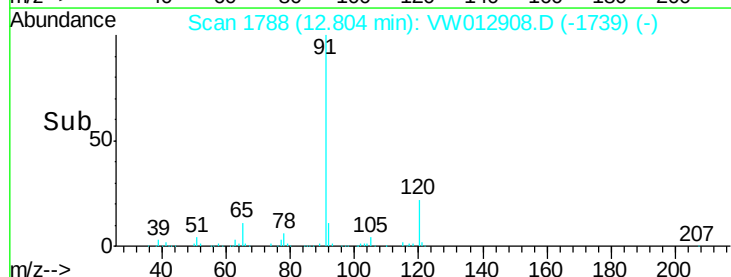
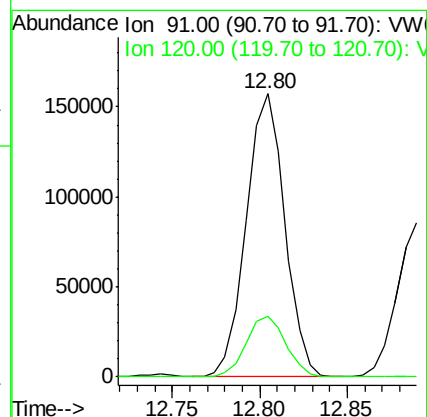
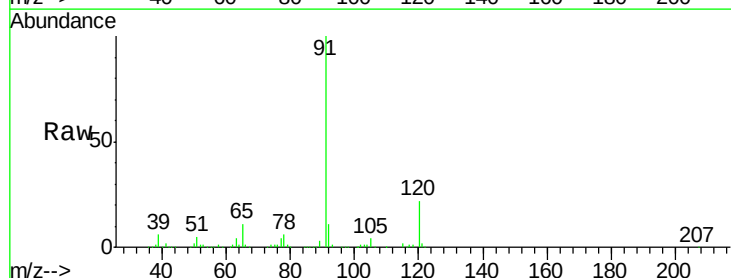
Acq: 11 Sep 2019 11:14

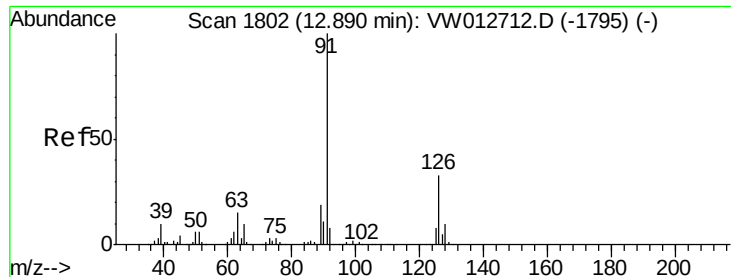
Tgt Ion: 91 Resp: 240022

Ion Ratio Lower Upper

91 100

120 22.2 11.0 33.0





#79

2-Chlorotoluene

Concen: 20.926 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012908.D

Acq: 11 Sep 2019 11:14

Instrument :

MSVOA_W

ClientSampled :

VW0911SBS01

Tot Ion: 91 Resp: 137444

Ion Ratio Lower Upper

91 100

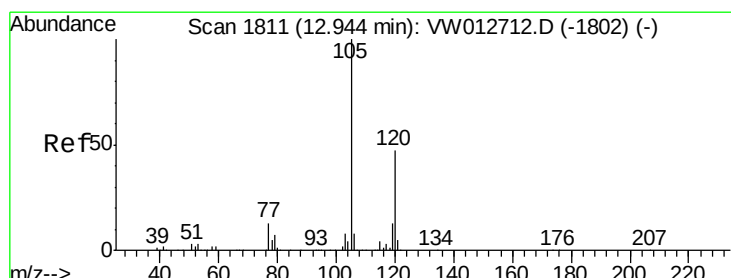
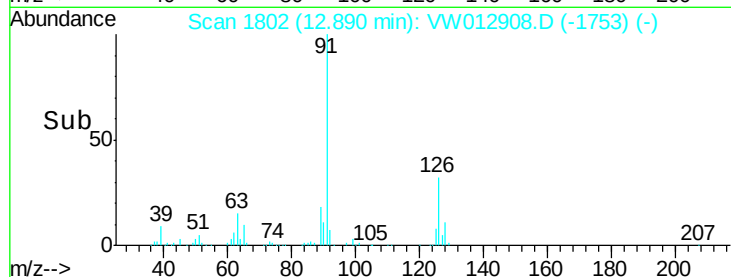
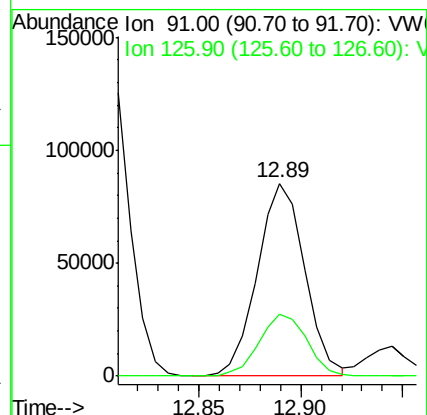
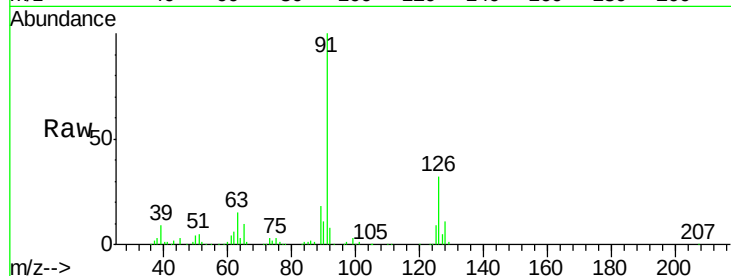
126 32.5 16.1 48.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.601 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012908.D

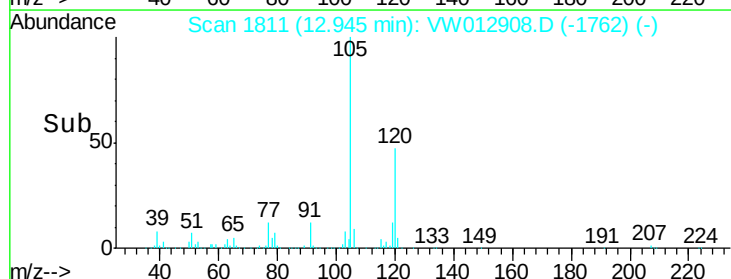
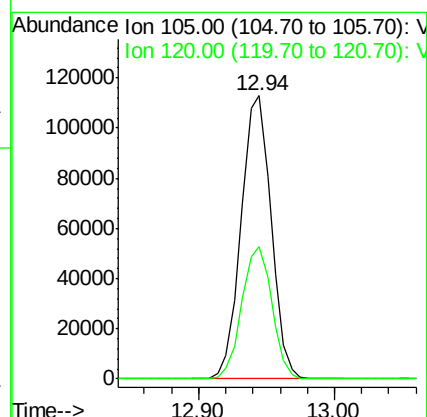
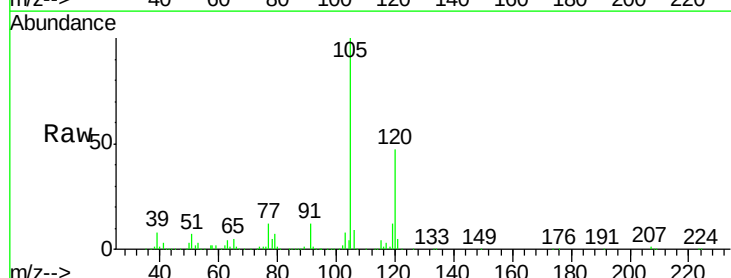
Acq: 11 Sep 2019 11:14

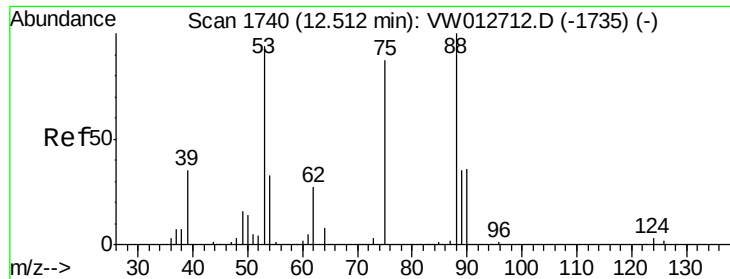
Tgt Ion: 105 Resp: 174125

Ion Ratio Lower Upper

105 100

120 47.1 23.9 71.8





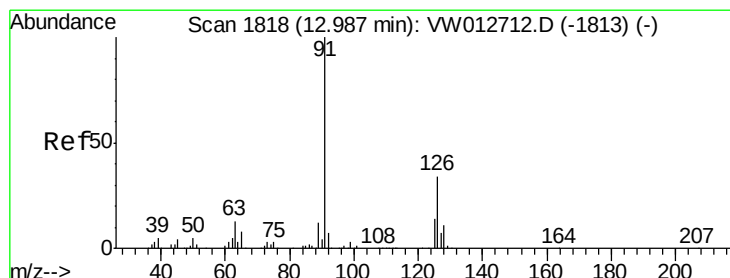
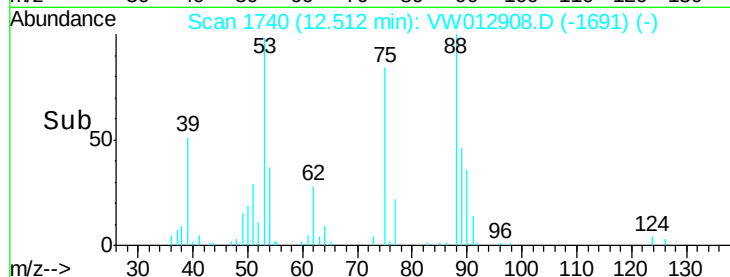
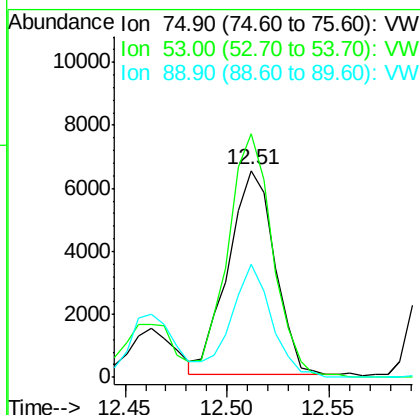
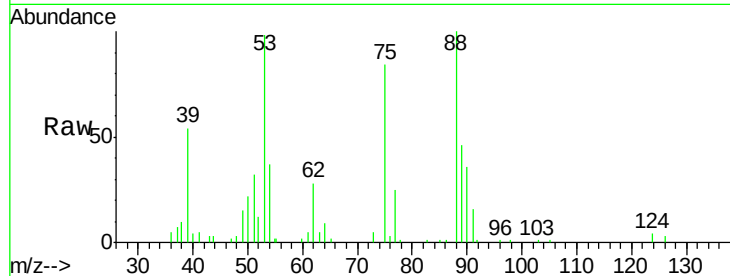
#81
trans-1,4-Dichloro-2-butene
Concen: 15.877 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampled :
VW0911SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.6	87.6	131.4
89	47.9	35.5	53.3

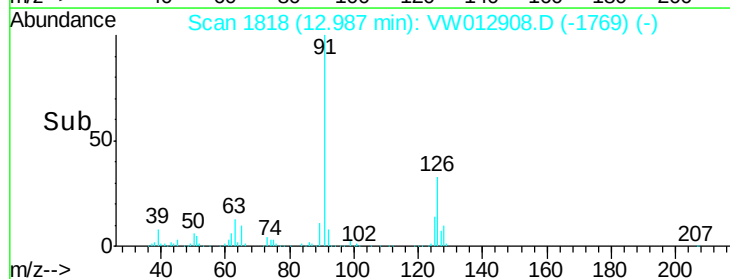
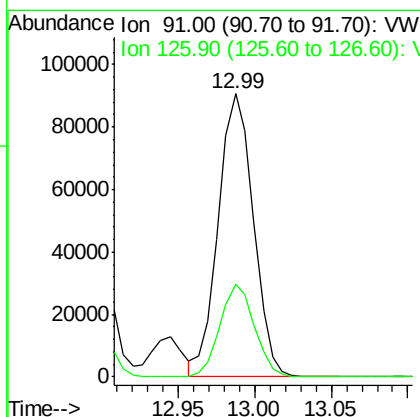
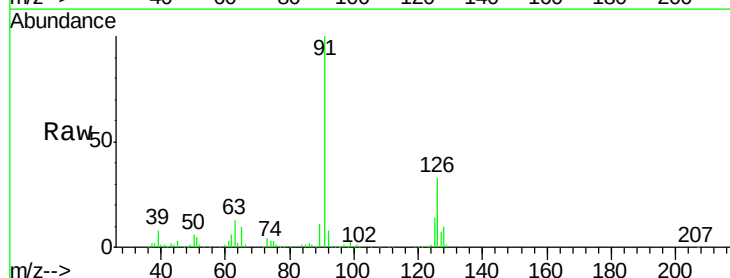
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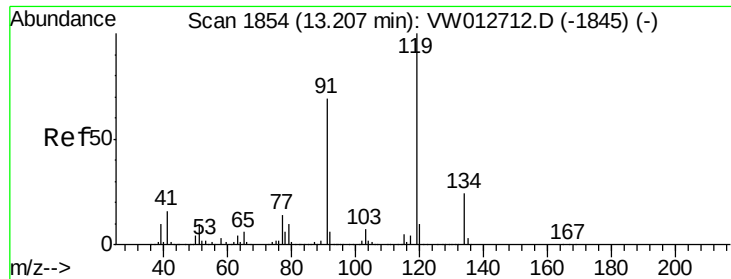
MMDadoda
9/13/2019 1:32:41 AM



#82
4-Chlorotoluene
Concen: 20.722 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.9	47.6





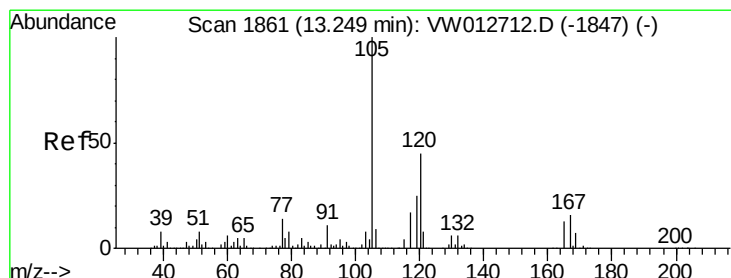
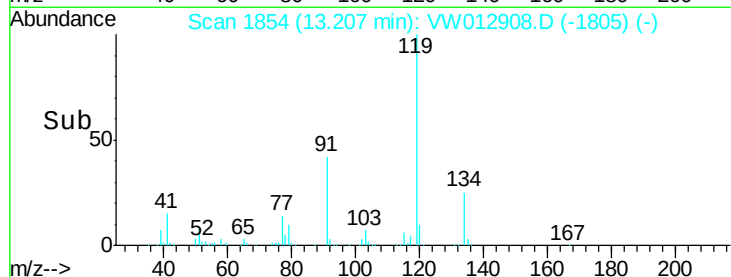
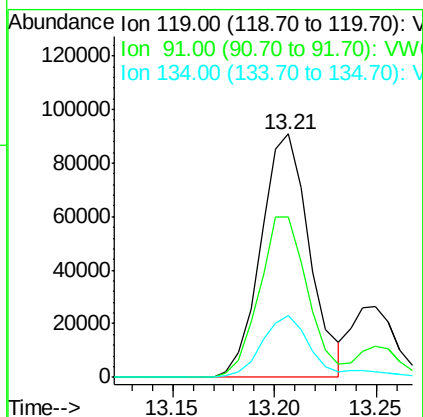
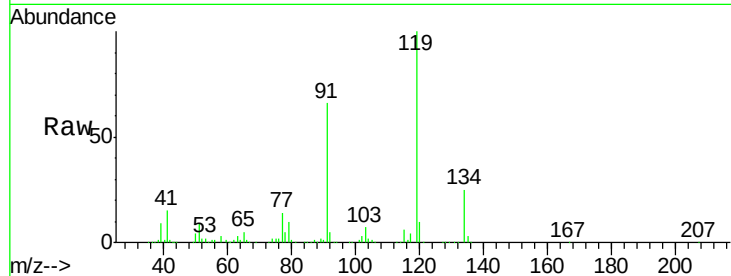
#83
 tert-Butylbenzene
 Concen: 21.184 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	150990		
91	65.6	34.2	102.5	
134	26.6	12.3	36.9	

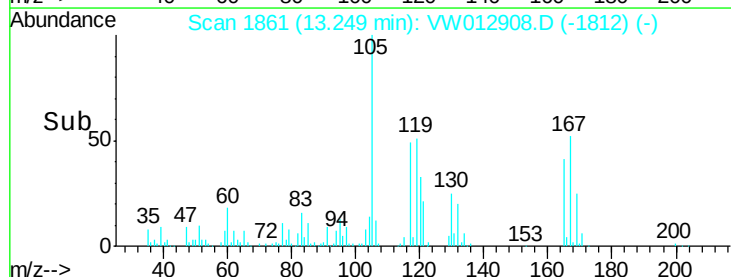
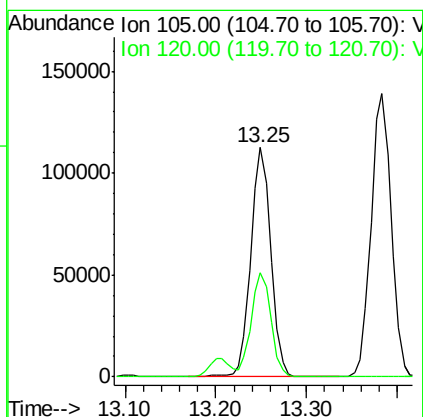
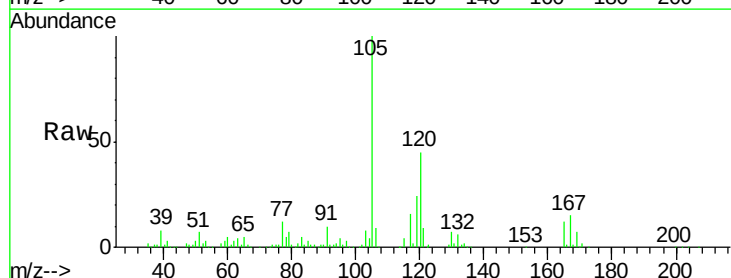
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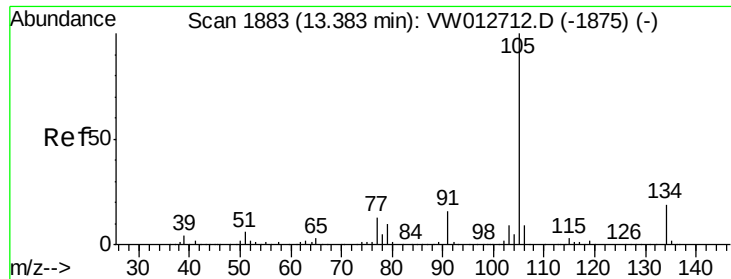
MMDadoda
 9/13/2019 1:32:41 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.275 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	172801		
120	44.3	22.1	66.3	





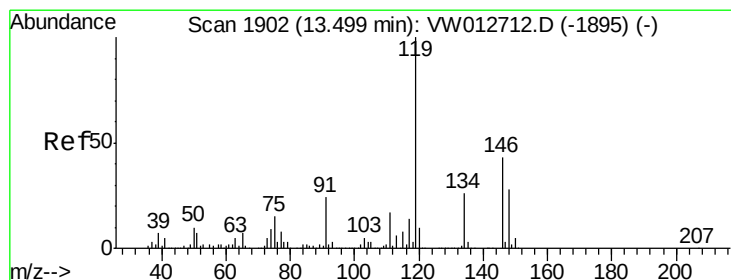
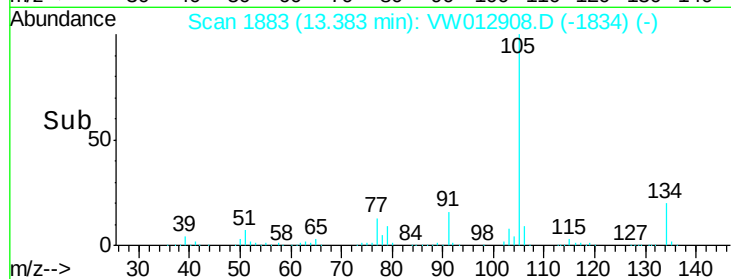
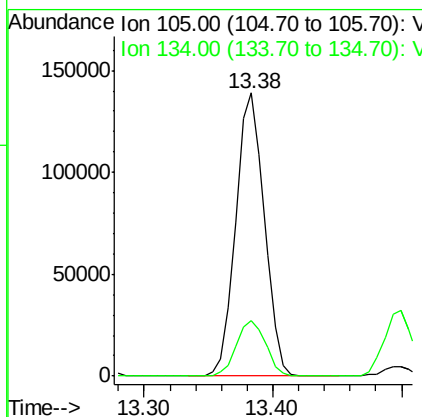
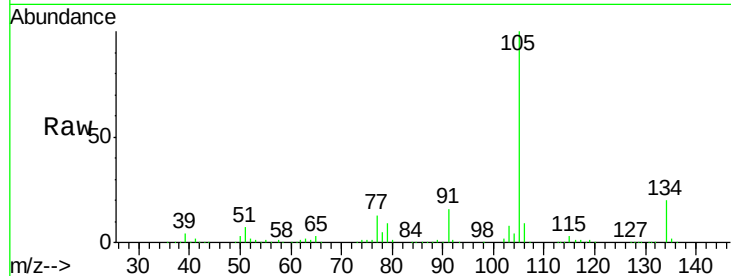
#85
 sec-Butylbenzene
 Concen: 21.597 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	213597		
134	20.2	9.8	29.3	

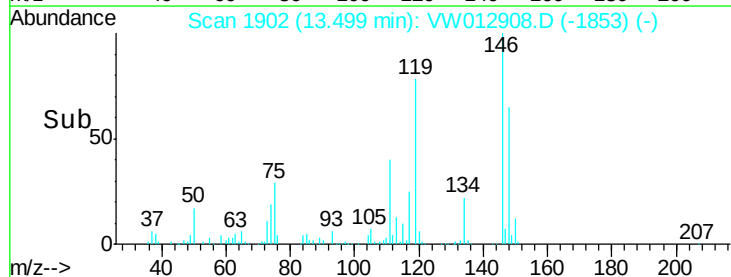
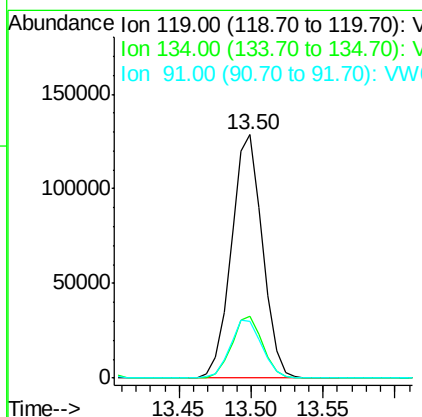
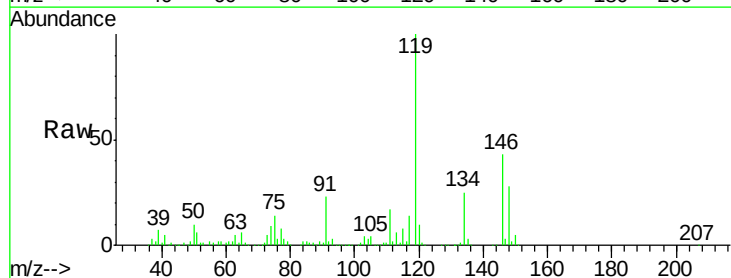
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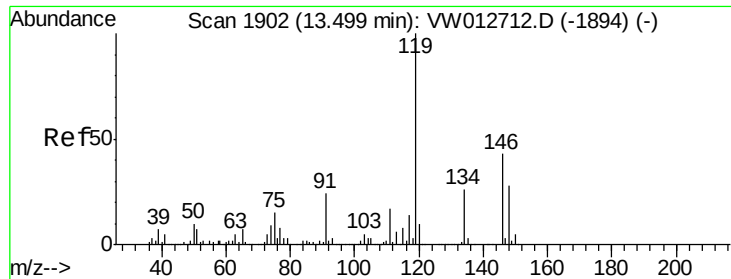
MMDadoda
 9/13/2019 1:32:41 AM



#86
 p-Isopropyltoluene
 Concen: 21.357 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	192938		
134	25.3	12.7	38.1	
91	24.5	12.2	36.6	





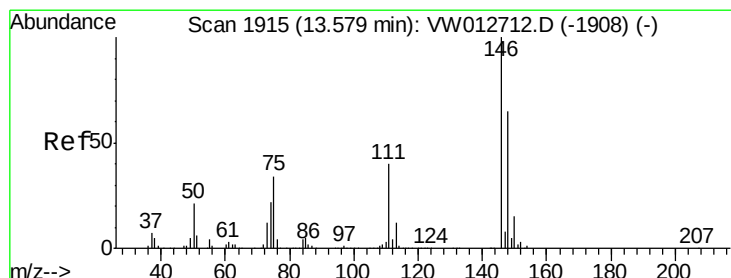
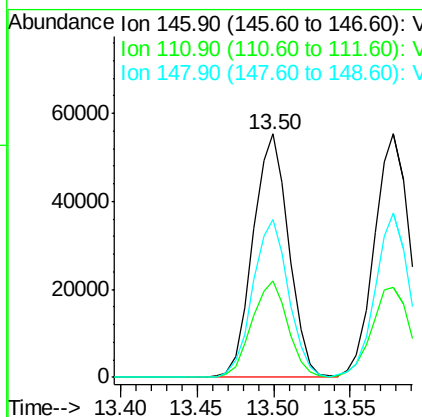
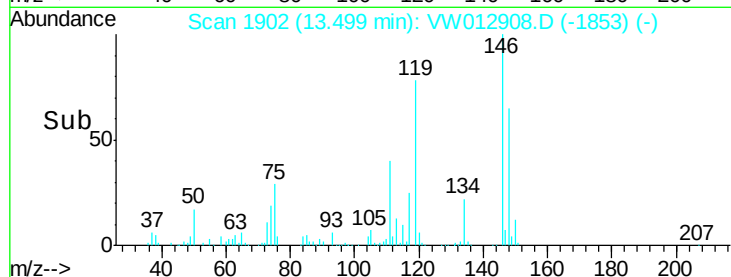
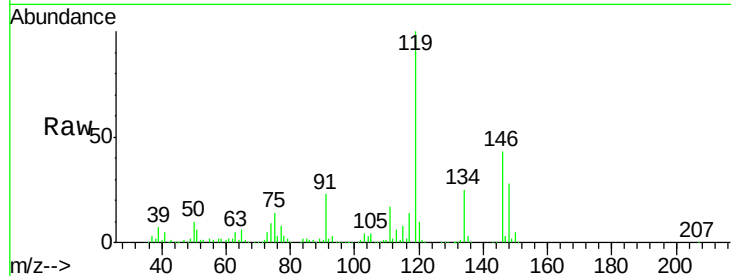
#87
 1,3-Dichlorobenzene
 Concen: 21.152 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.0	20.4	61.2	
148	64.8	31.8	95.4	

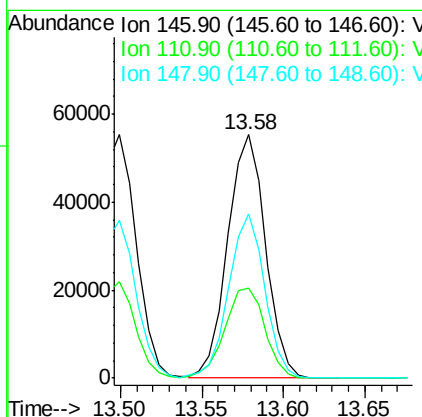
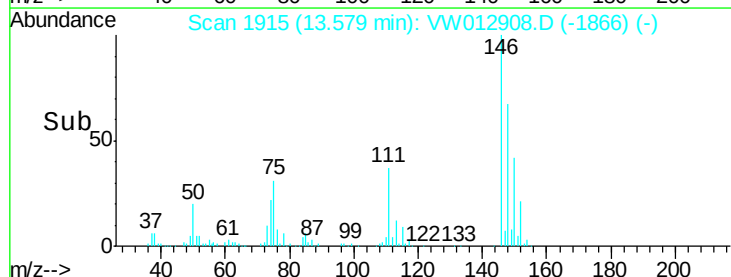
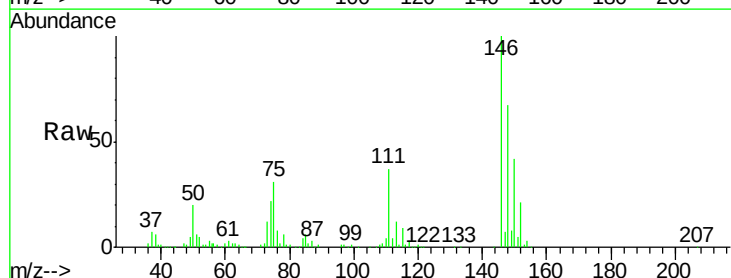
Manual Integrations
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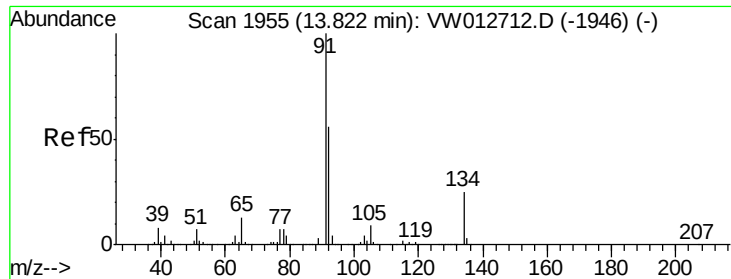
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#88
 1,4-Dichlorobenzene
 Concen: 21.093 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.4	20.0	60.0	
148	64.4	32.2	96.6	





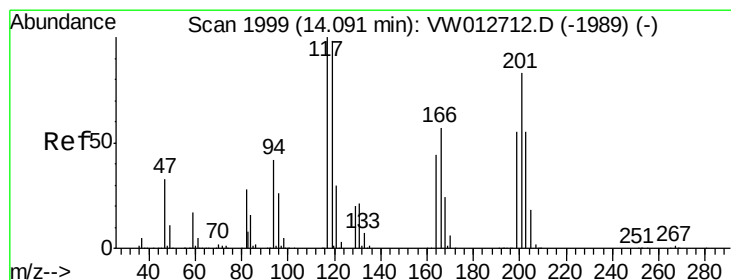
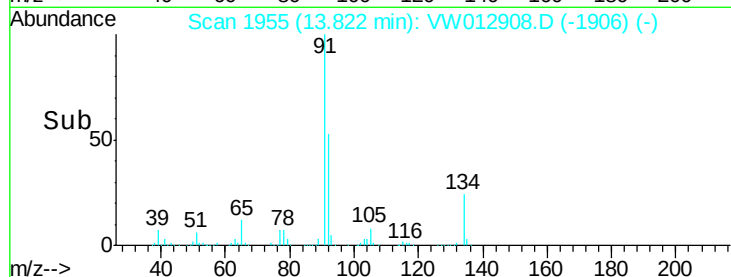
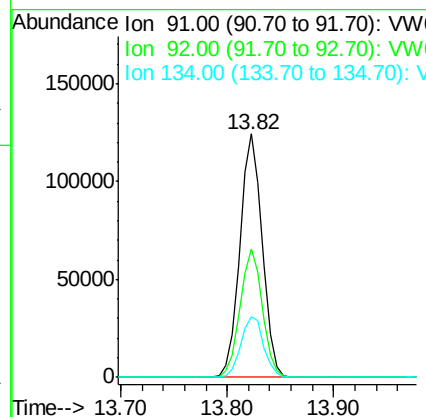
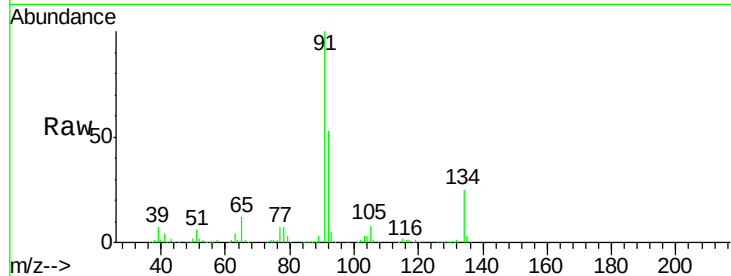
#89
n-Butylbenzene
Concen: 20.860 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	182951		
92	52.9		27.2	81.5
134	25.4		12.7	38.1

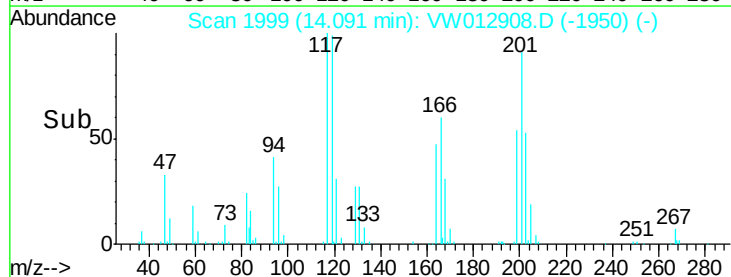
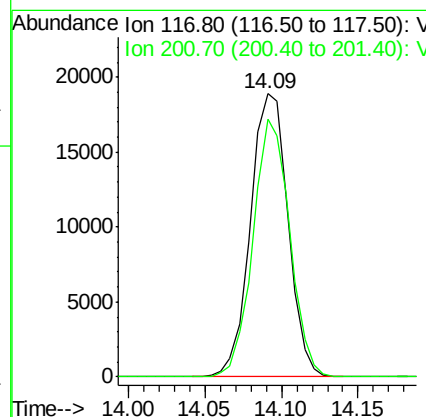
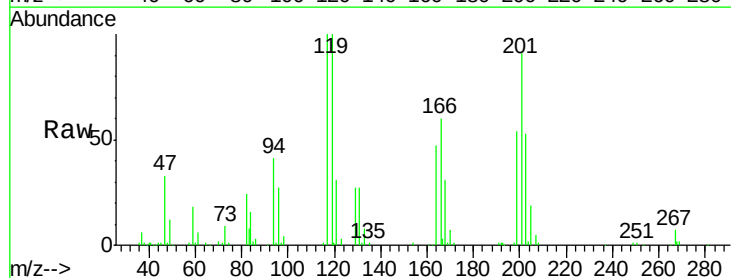
Manual Integrations
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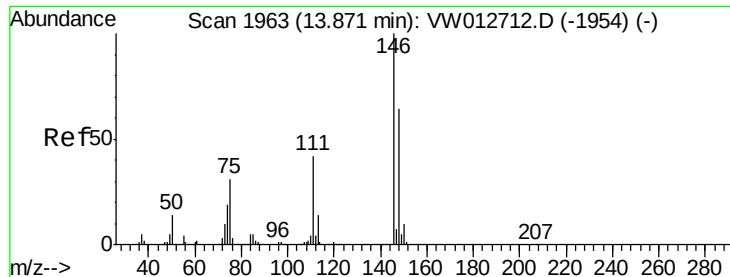
MMDadoda
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#90
Hexachloroethane
Concen: 20.493 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32319		
201	88.9		42.8	128.4





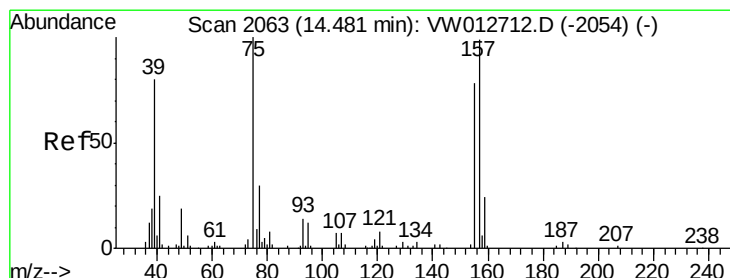
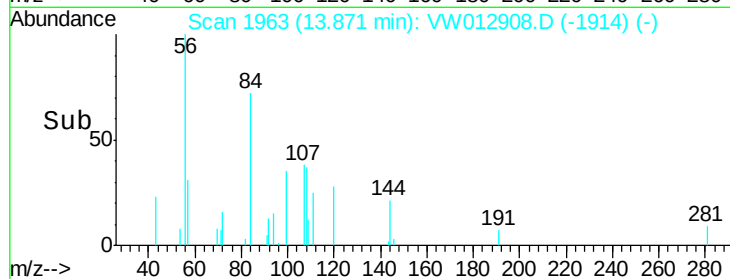
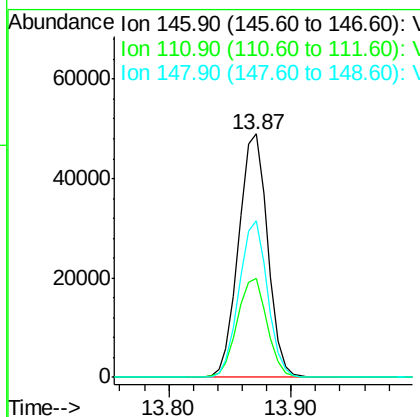
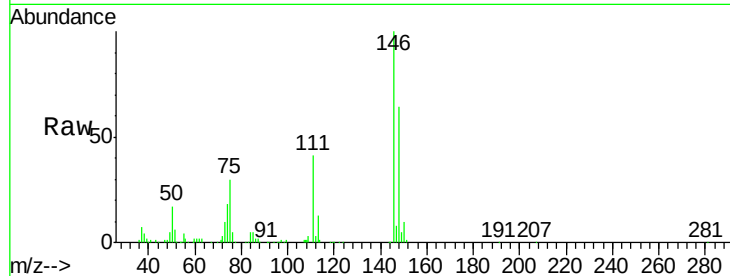
#91
 1,2-Dichlorobenzene
 Concen: 20.996 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	63.9
148	63.1	32.1	96.5

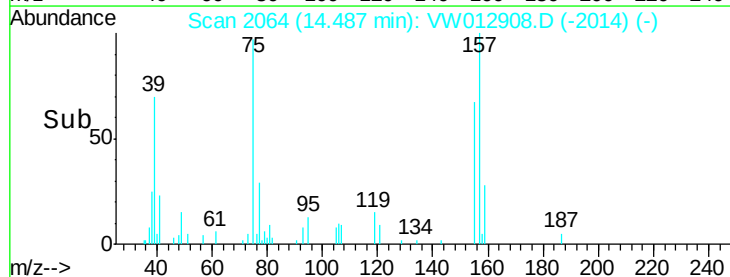
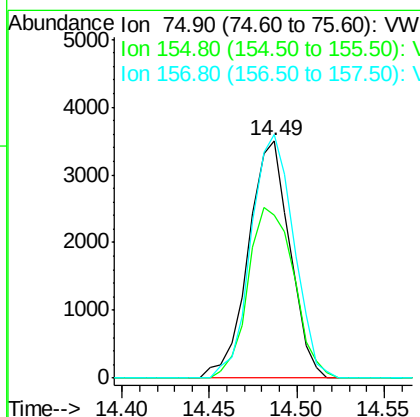
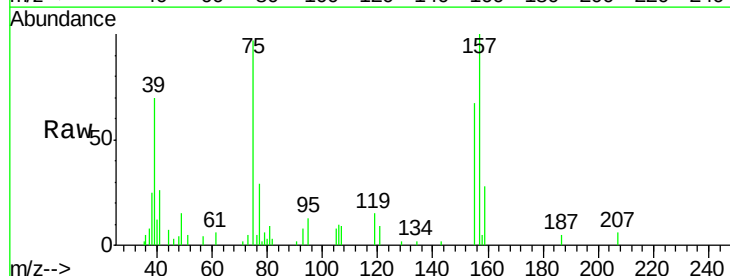
Manual Integrations
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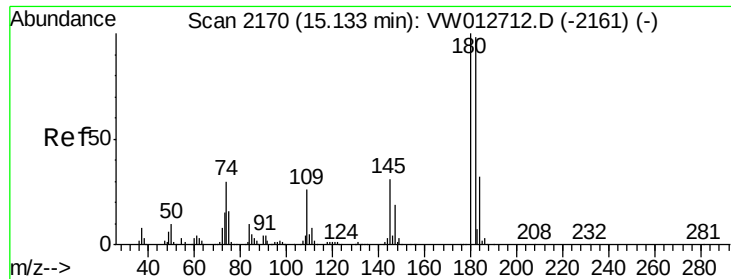
MMDadoda
 9/13/2019 1:32:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.423 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.4	40.6	122.0
157	105.7	52.5	157.5





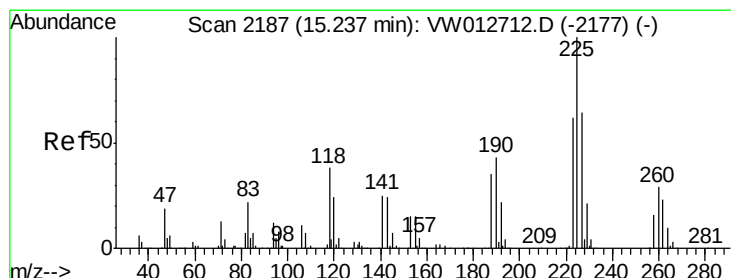
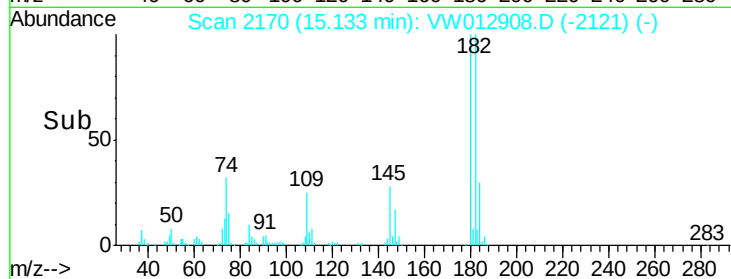
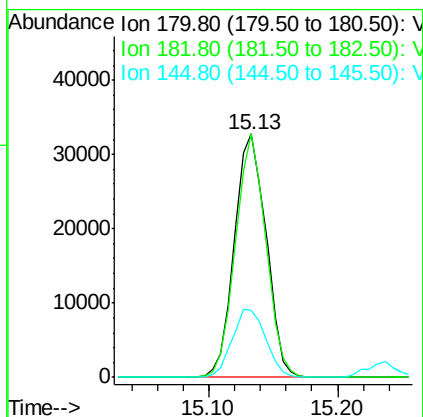
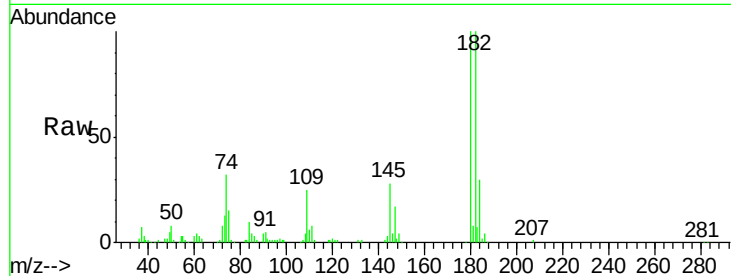
#93
 1,2,4-Trichlorobenzene
 Concen: 20.962 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	55957		
182	95.5	48.7	146.1	
145	29.8	15.0	45.1	

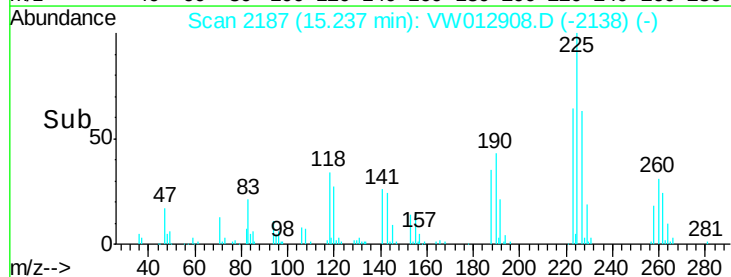
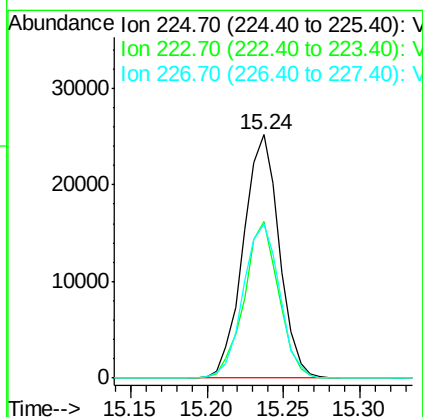
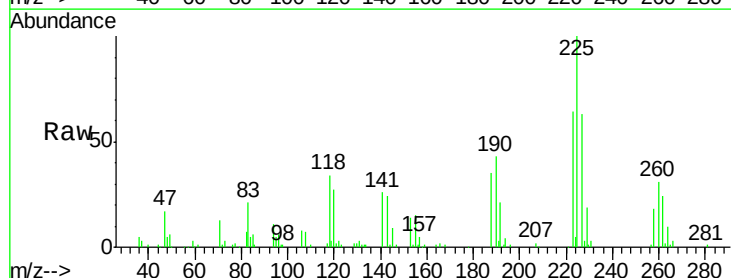
Manual Integrations
 APPROVED

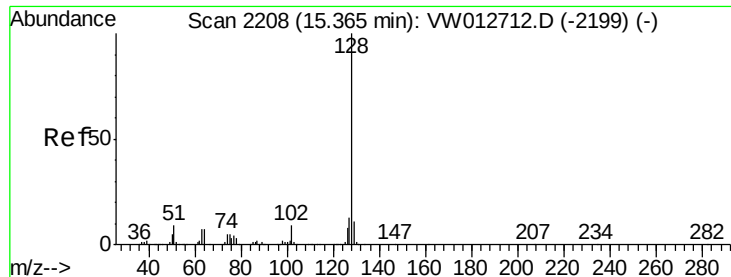
MMDadoda
 9/13/2019 1:32:41 AM



#94
 Hexachlorobutadiene
 Concen: 22.217 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012908.D
 Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41050		
223	61.7	31.1	93.3	
227	64.5	31.4	94.2	





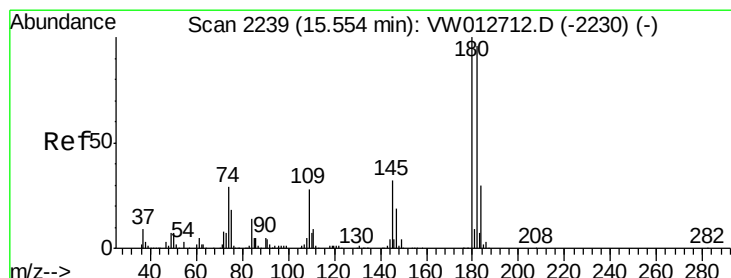
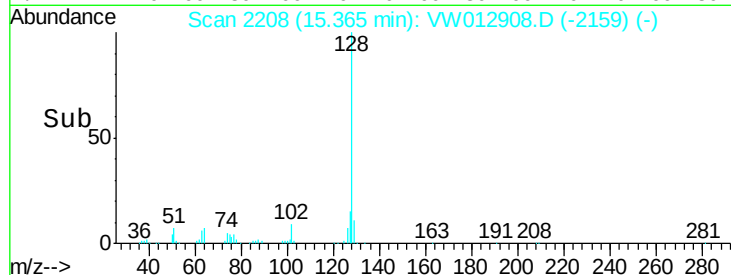
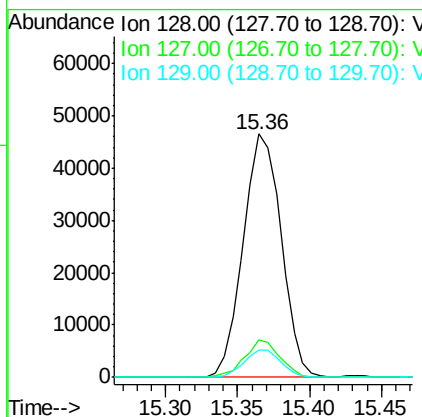
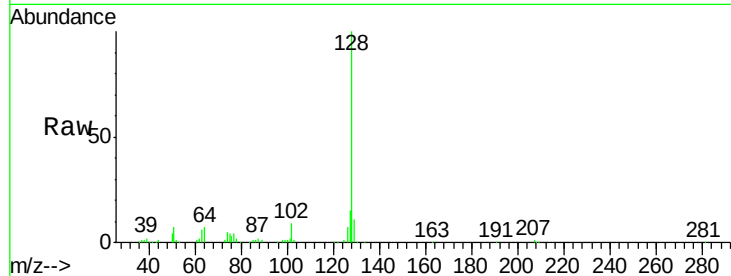
#95
Naphthalene
Concen: 18.328 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	85292		
127	14.5		10.7	16.1
129	10.7		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/13/2019 1:32:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.009 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW012908.D
Acq: 11 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	47147		
182	97.2		47.8	143.3
145	31.1		15.4	46.2

