

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012861.D
 Acq On : 10 Sep 2019 10:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/11/2019 9:26:48 AM

Quant Time: Sep 10 15:07:30 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	245297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	361473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	155003	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	121894	44.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.94%	
35) Dibromofluoromethane	7.88	113	102779	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
50) Toluene-d8	10.32	98	418163	49.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.62	95	145641	47.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	61017	45.884	ug/l	100
3) Chloromethane	2.21	50	72980	45.157	ug/l	99
4) Vinyl Chloride	2.36	62	96474	48.686	ug/l	98
5) Bromomethane	2.77	94	58149	54.040	ug/l	92
6) Chloroethane	2.92	64	62304	52.689	ug/l	95
7) Trichlorofluoromethane	3.25	101	64569	47.219	ug/l	99
8) Diethyl Ether	3.68	74	56744	49.373	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	104003	48.466	ug/l	96
10) Methyl Iodide	4.27	142	136444	50.508	ug/l	97
11) Tert butyl alcohol	5.18	59	43342	206.687	ug/l	99
12) 1,1-Dichloroethene	4.04	96	97709	48.234	ug/l	93
13) Acrolein	3.89	56	50584	227.314	ug/l	99
14) Allyl chloride	4.66	41	195373	46.623	ug/l	99
15) Acrylonitrile	5.36	53	145137	216.212	ug/l	99
16) Acetone	4.12	43	166136	222.347	ug/l	99
17) Carbon Disulfide	4.38	76	195421	45.448	ug/l	99
18) Methyl Acetate	4.67	43	71985	41.063	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	201813	50.234	ug/l	97
20) Methylene Chloride	4.91	84	109723	46.938	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	103785	50.212	ug/l	94
22) Diisopropyl ether	6.31	45	405374	48.774	ug/l	99
23) Vinyl Acetate	6.25	43	1249265	237.177	ug/l	99
24) 1,1-Dichloroethane	6.21	63	220749	49.328	ug/l	98
25) 2-Butanone	7.17	43	215815	200.403	ug/l	97
26) 2,2-Dichloropropane	7.16	77	144925	51.274	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	126142	52.633	ug/l	97
28) Bromochloromethane	7.51	49	95058	46.260	ug/l	90
29) Tetrahydrofuran	7.53	42	123863	205.280	ug/l	96
30) Chloroform	7.67	83	217862	49.122	ug/l	100
31) Cyclohexane	7.95	56	175482	43.557	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	180910	50.322	ug/l	98
36) 1,1-Dichloropropene	8.08	75	162561	50.614	ug/l	98
37) Ethyl Acetate	7.24	43	90021	43.968	ug/l	99
38) Carbon Tetrachloride	8.06	117	163382	51.605	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	178821	49.573	ug/l	96
40) Benzene	8.32	78	454582	51.013	ug/l	100
41) Methacrylonitrile	7.48	41	56386	41.242	ug/l	96
42) 1,2-Dichloroethane	8.40	62	150496	47.987	ug/l	98
43) Isopropyl Acetate	8.42	43	178541	46.028	ug/l	98
44) Trichloroethene	9.09	130	121085	52.714	ug/l	94
45) 1,2-Dichloropropane	9.37	63	123233	49.861	ug/l	93
46) Dibromomethane	9.46	93	58007	49.563	ug/l	95
47) Bromodichloromethane	9.64	83	165977	51.547	ug/l	98
48) Methyl methacrylate	9.43	41	84772	45.731	ug/l	99
49) 1,4-Dioxane	9.46	88	17544	758.887	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	455006	223.545	ug/l	98
52) Toluene	10.38	92	295183	53.073	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	170925	51.624	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	196423	52.295	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	90514	51.658	ug/l	97
56) Ethyl methacrylate	10.65	69	129417	50.458	ug/l	95
57) 1,3-Dichloropropane	10.93	76	161597	49.853	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	321887	236.399	ug/l	97
59) 2-Hexanone	10.97	43	332892	223.863	ug/l	98
60) Dibromochloromethane	11.13	129	109314	53.047	ug/l	100
61) 1,2-Dibromoethane	11.23	107	82991	51.663	ug/l	99
64) Tetrachloroethene	10.86	164	100976	53.816	ug/l	99
65) Chlorobenzene	11.66	112	313040	53.562	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	119053	54.700	ug/l	99
67) Ethyl Benzene	11.73	91	590415	53.843	ug/l	100
68) m/p-Xylenes	11.84	106	428475	108.253	ug/l	99
69) o-Xylene	12.16	106	205079	54.920	ug/l	97
70) Styrene	12.18	104	368079	55.782	ug/l	97
71) Bromoform	12.35	173	64027	52.948	ug/l #	100
73) Isopropylbenzene	12.46	105	595057	53.526	ug/l	100
74) N-amyl acetate	12.27	43	163550	46.347	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	106054	47.501	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	70265m	44.332	ug/l	
77) Bromobenzene	12.74	156	134624	53.450	ug/l	94
78) n-propylbenzene	12.80	91	689332	51.844	ug/l	99
79) 2-Chlorotoluene	12.89	91	395928	51.871	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	497881	53.148	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36494	48.699	ug/l	98
82) 4-Chlorotoluene	12.99	91	418766	51.867	ug/l	98
83) tert-Butylbenzene	13.21	119	444213	53.629	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	498224	52.782	ug/l	100
85) sec-Butylbenzene	13.38	105	605331	52.665	ug/l	99
86) p-Isopropyltoluene	13.50	119	557349	53.087	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	264345	53.396	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	260179	52.815	ug/l	99
89) n-Butylbenzene	13.82	91	530592	52.057	ug/l	100
90) Hexachloroethane	14.09	117	98849	53.933	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	235678	52.891	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18760	45.914	ug/l	98

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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)
93) 1,2,4-Trichlorobenzene	15.13	180	178543	57.552	ug/l	96
94) Hexachlorobutadiene	15.24	225	114026	53.102	ug/l	99
95) Naphthalene	15.36	128	316135	48.736	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	154636	56.469	ug/l	100

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

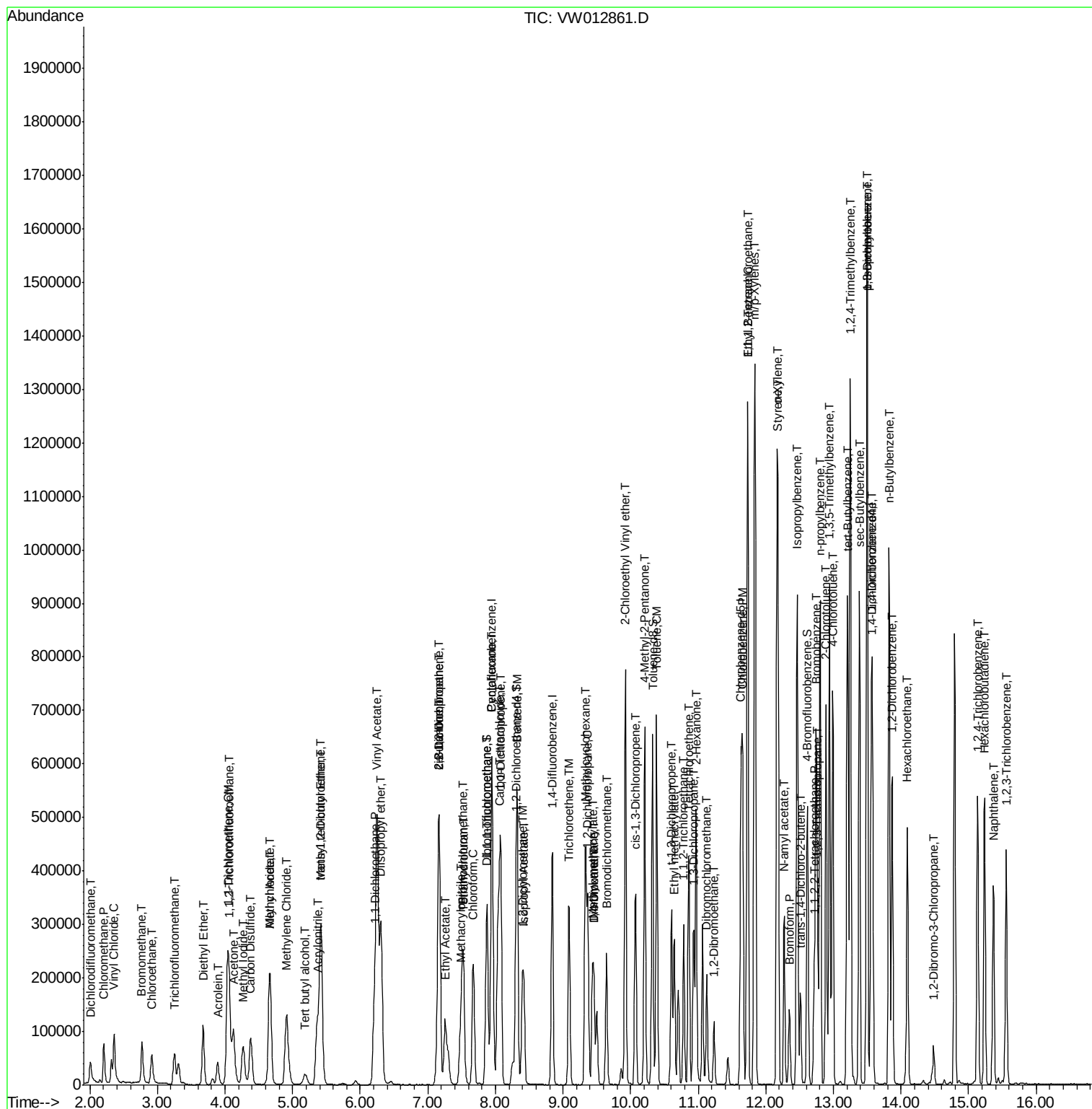
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 Data File : VW012861.D
 Acd On : 10 Sep 2019 10:52
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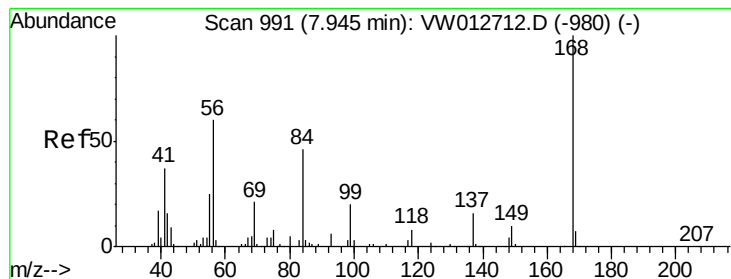
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 245297

Ion Ratio Lower Upper

168 100

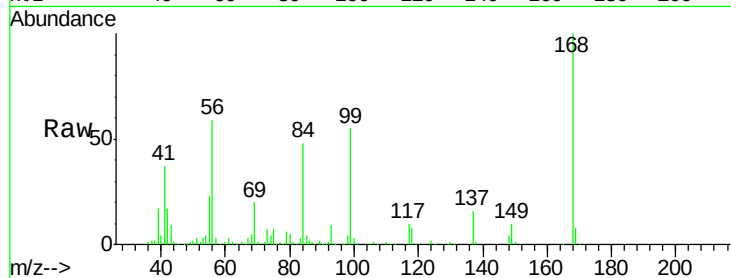
99 55.4 47.8 71.6

Manual Integrations

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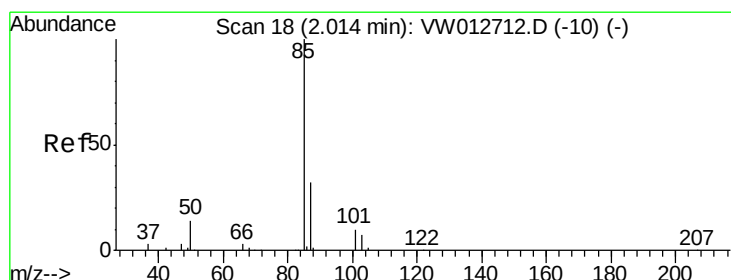
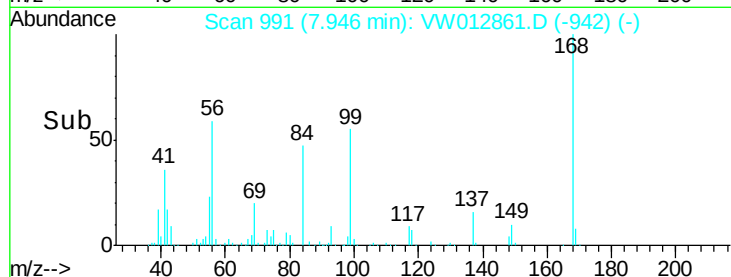
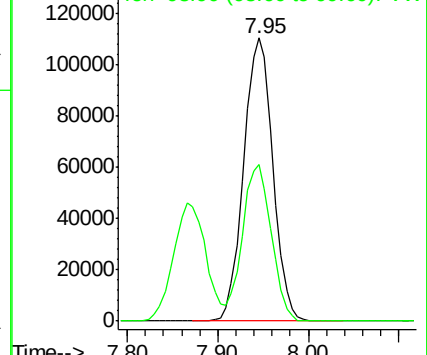
MMDadoda

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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: 45.884 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012861.D

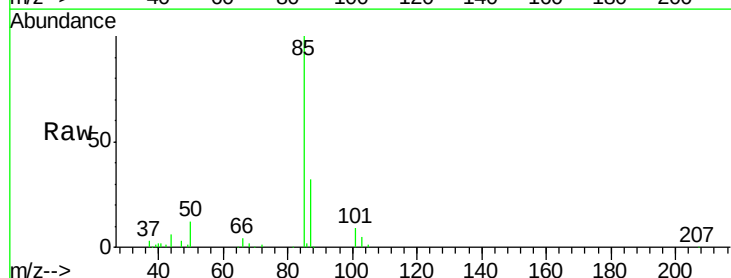
Acq: 10 Sep 2019 10:52

Tgt Ion: 85 Resp: 61017

Ion Ratio Lower Upper

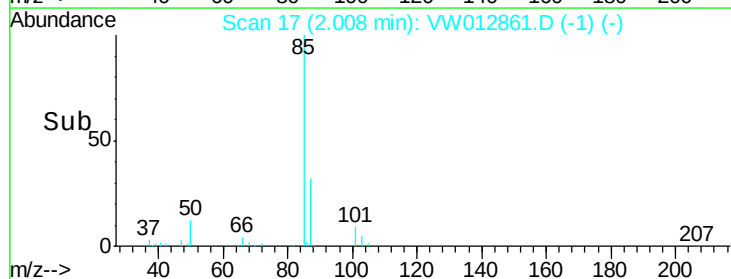
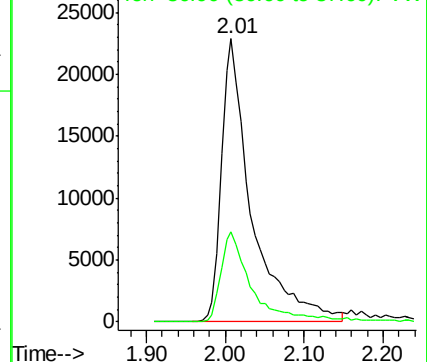
85 100

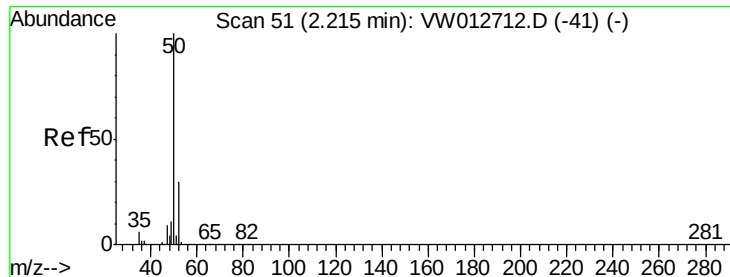
87 31.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 45.157 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 72980

Ion Ratio Lower Upper

50 100

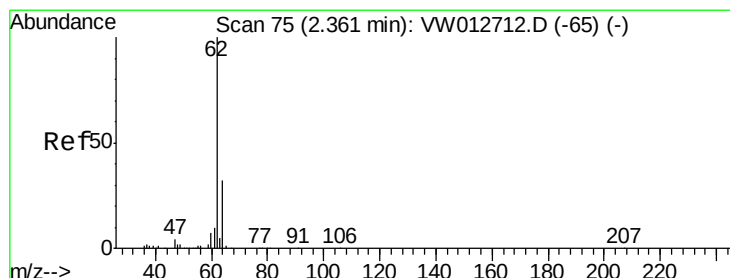
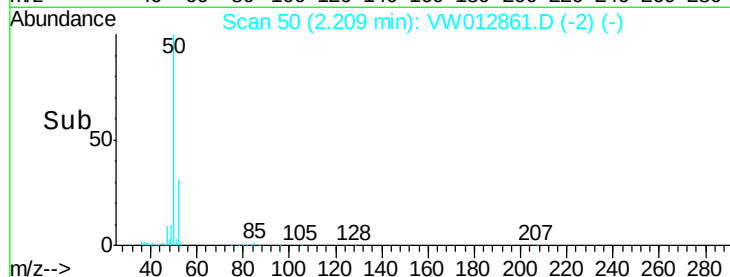
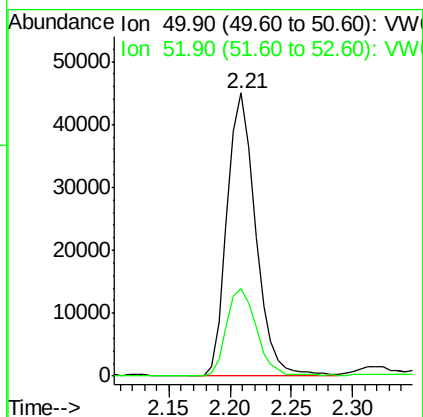
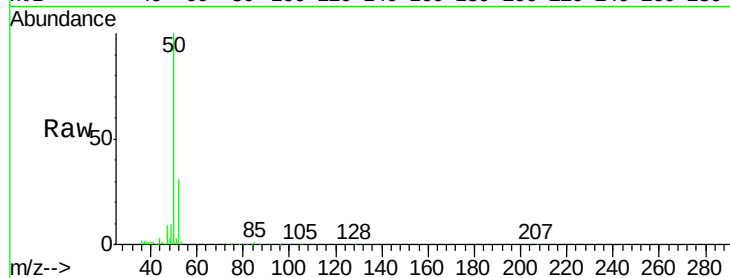
52 30.8 24.2 36.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.686 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012861.D

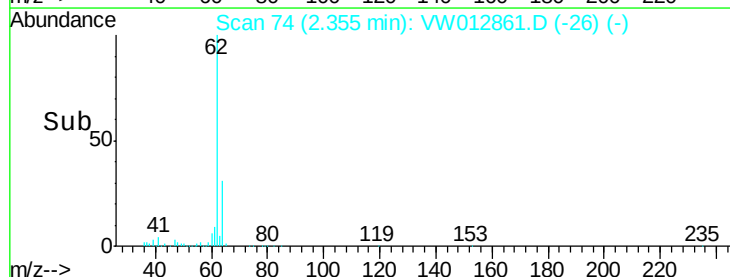
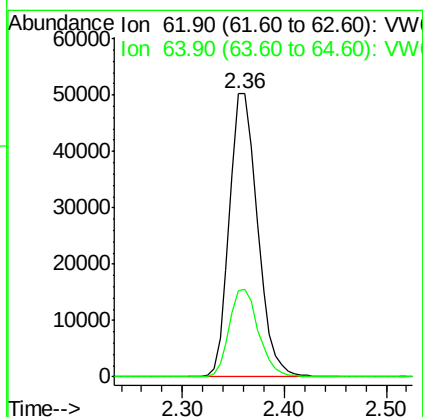
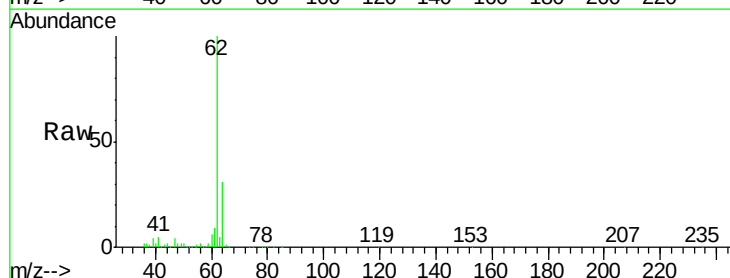
Acq: 10 Sep 2019 10:52

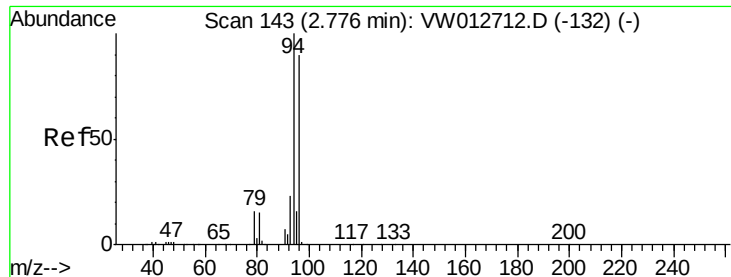
Tgt Ion: 62 Resp: 96474

Ion Ratio Lower Upper

62 100

64 30.7 25.3 37.9





#5

Bromomethane

Concen: 54.040 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 58149

Ion Ratio Lower Upper

94 100

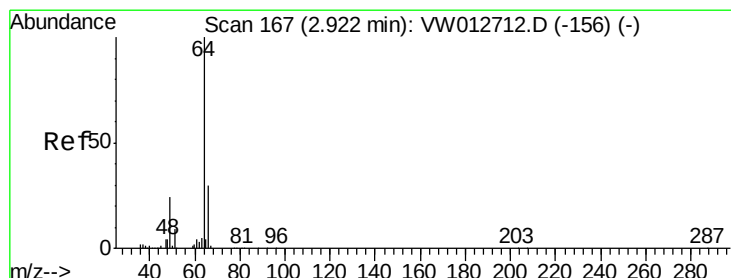
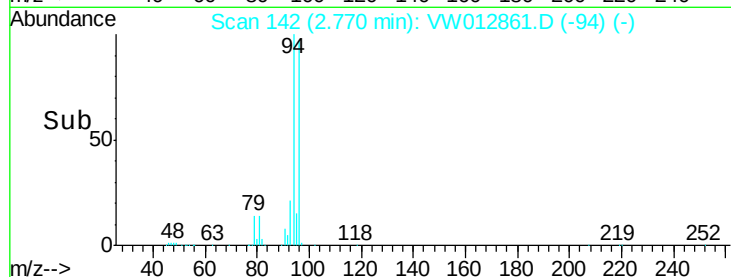
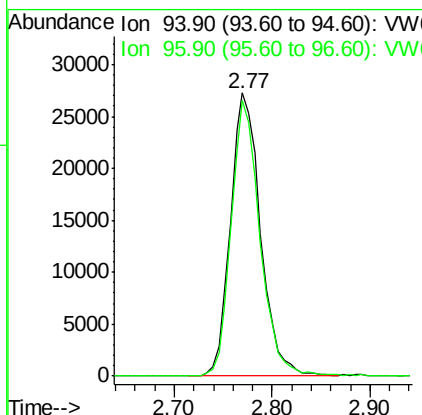
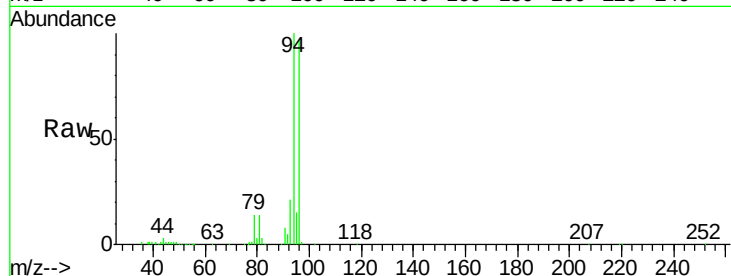
96 97.2 72.1 108.1

Manual Integrations

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#6

Chloroethane

Concen: 52.689 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012861.D

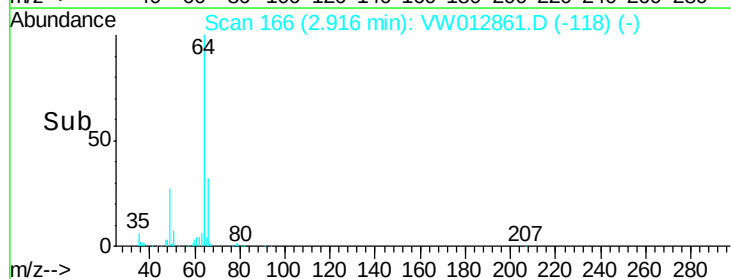
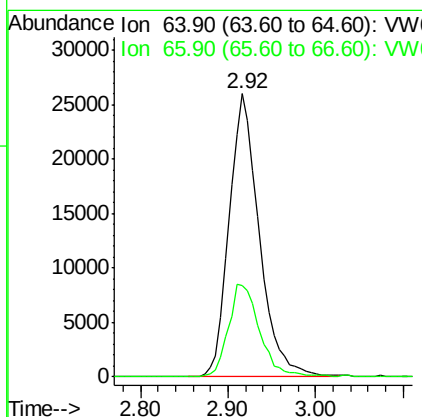
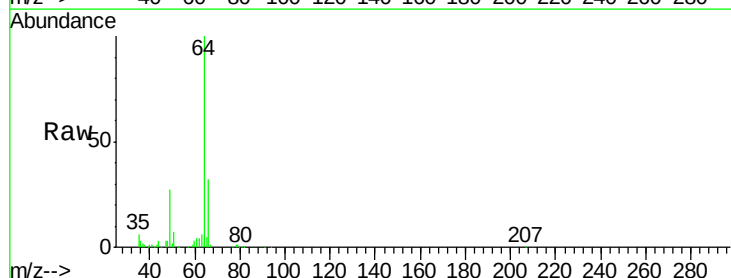
Acq: 10 Sep 2019 10:52

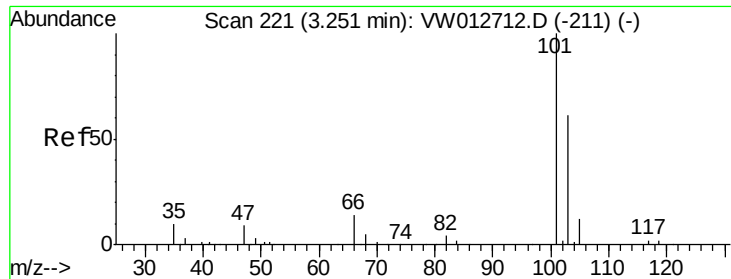
Tgt Ion: 64 Resp: 62304

Ion Ratio Lower Upper

64 100

66 32.2 23.8 35.6





#7

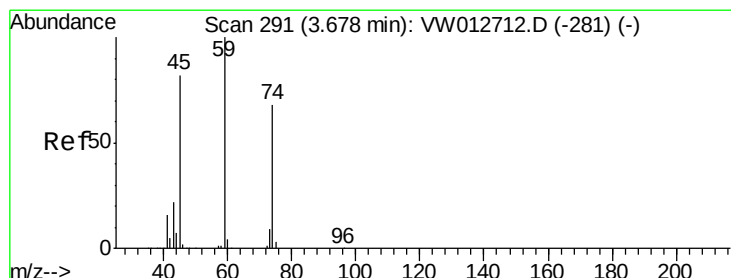
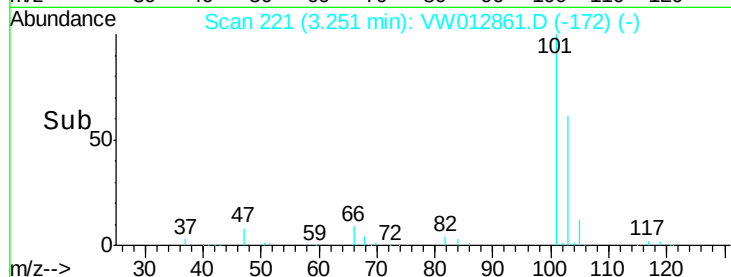
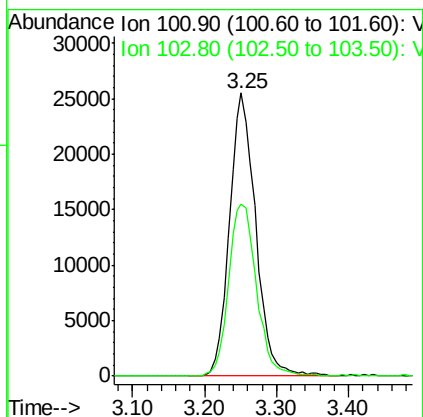
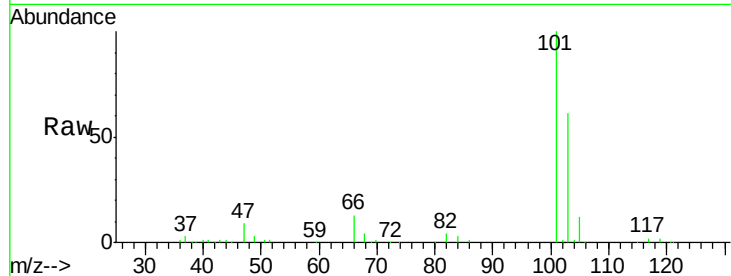
Trichlorofluoromethane
Concen: 47.219 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.7	49.0	73.4

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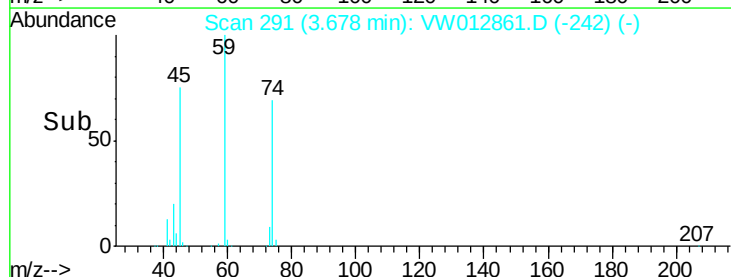
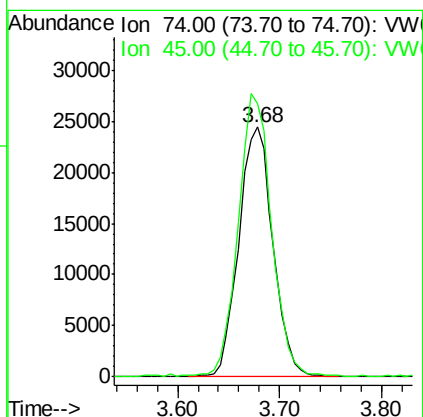
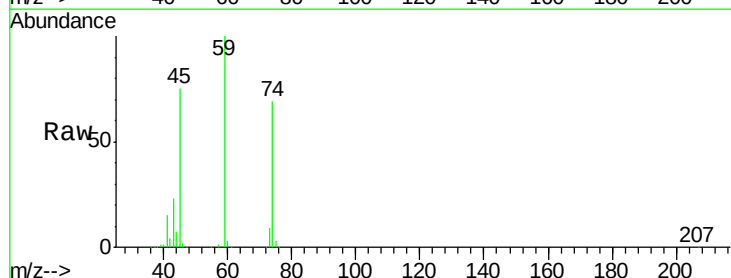
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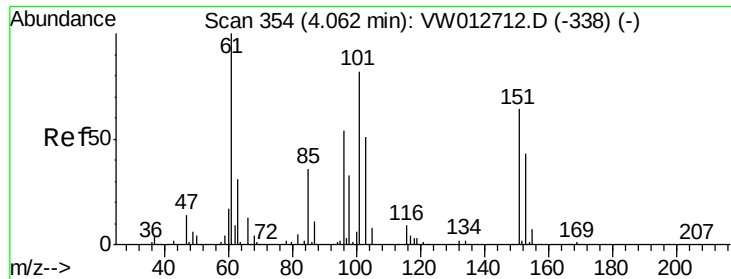


#8

Diethyl Ether
Concen: 49.373 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.5	58.8	176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.466 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

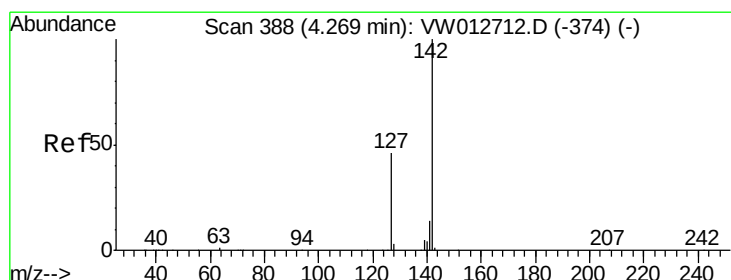
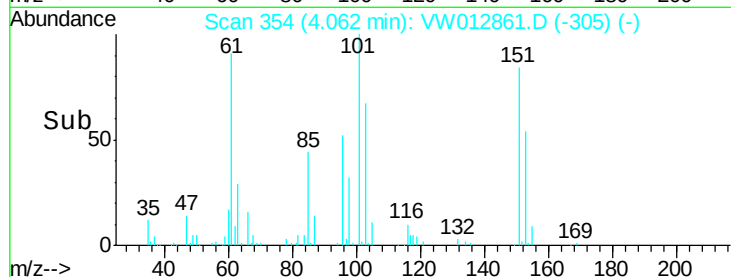
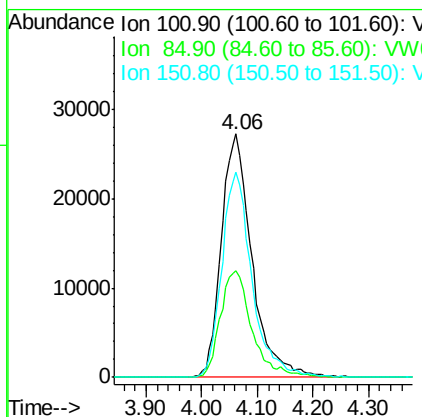
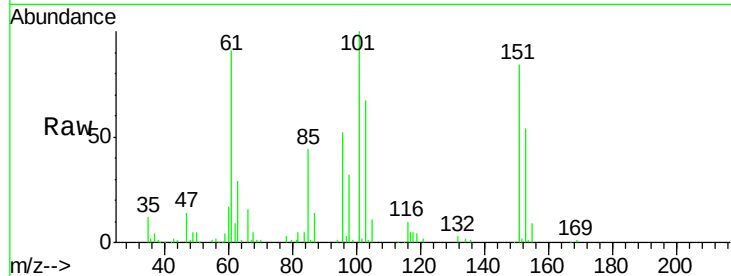
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	104003
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.2	54.2
151	83.2	61.9	92.9

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#10

Methyl Iodide

Concen: 50.508 ug/l

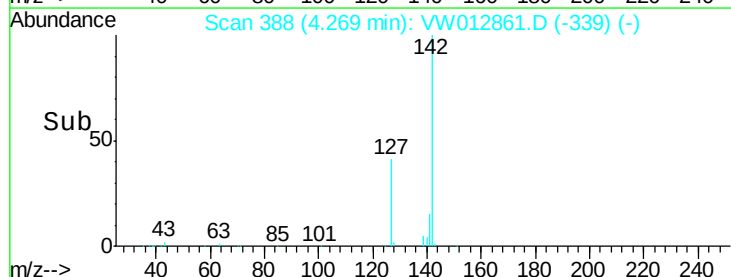
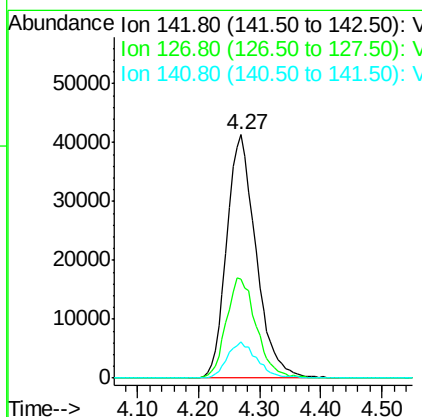
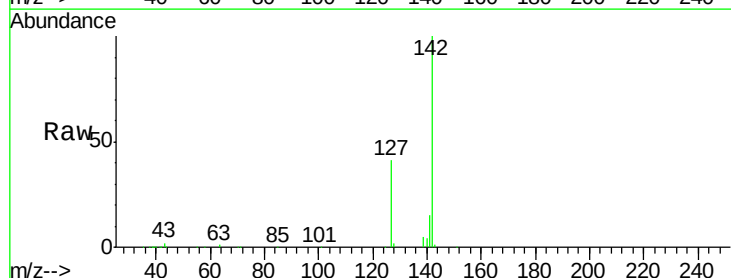
RT: 4.27 min Scan# 388

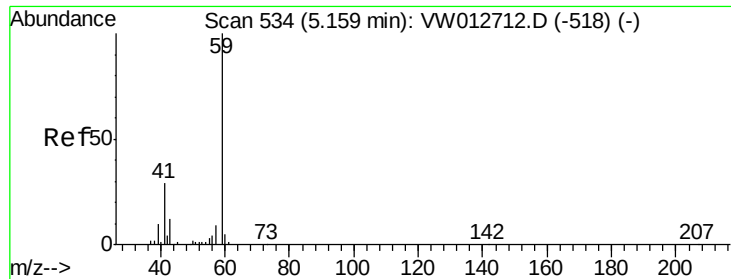
Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Tgt Ion:	142	Resp:	136444
Ion Ratio	Lower	Upper	
142	100		
127	42.1	36.0	54.0
141	15.0	12.2	18.4





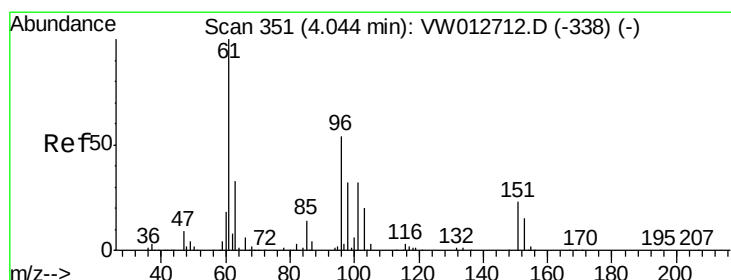
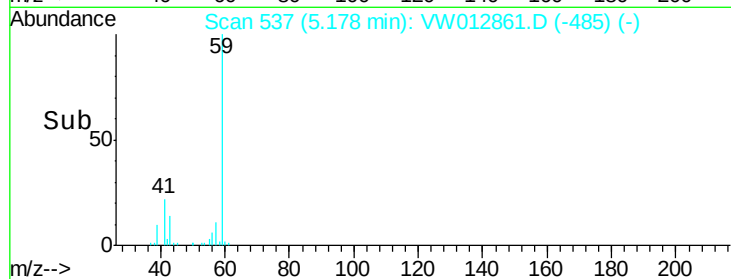
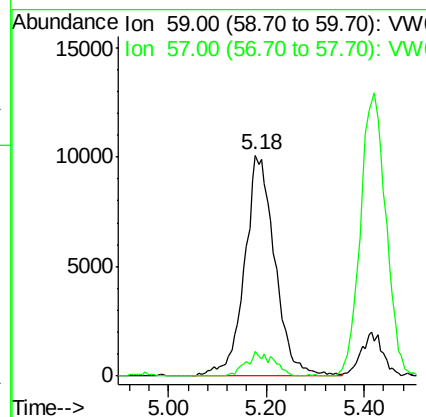
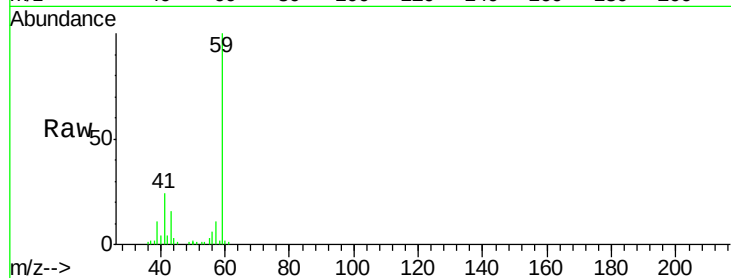
#11
Tert butyl alcohol
Concen: 206.687 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.02 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4

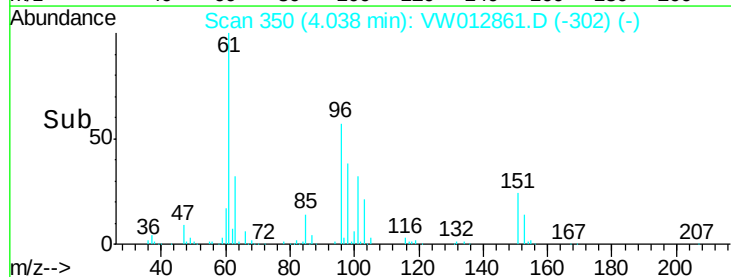
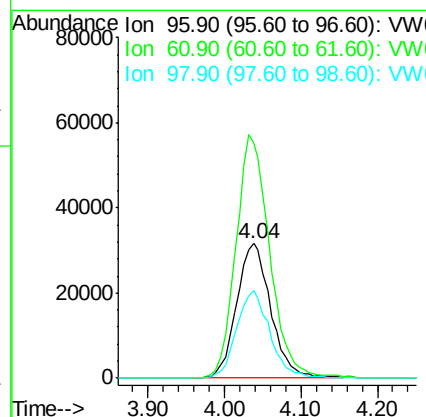
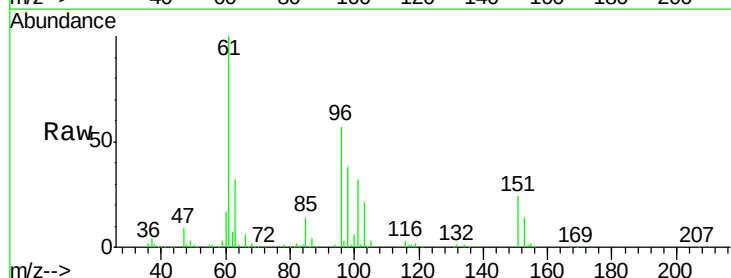
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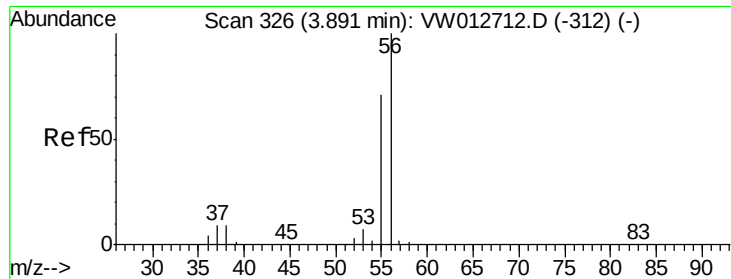
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.234 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.7	147.8	221.6
98	65.6	47.9	71.9





#13

Acrolein

Concen: 227.314 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 50584

Ion Ratio Lower Upper

56 100

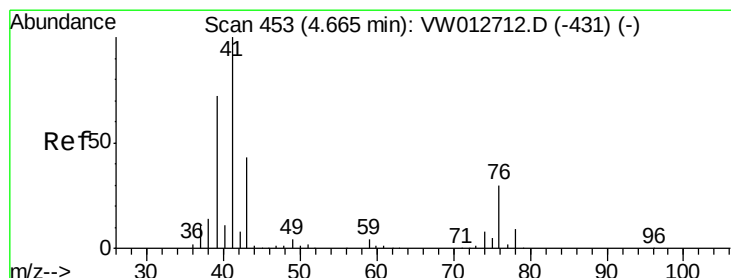
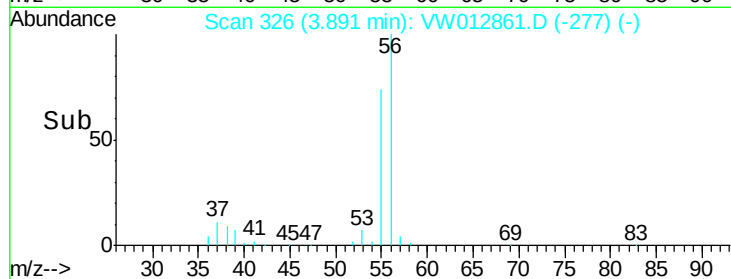
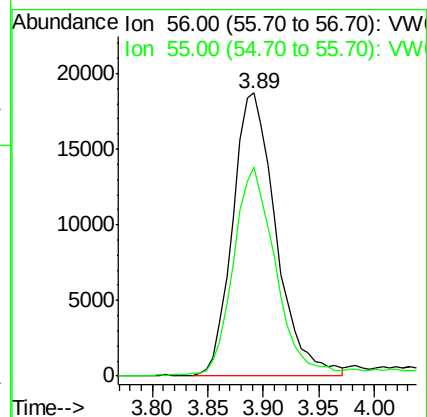
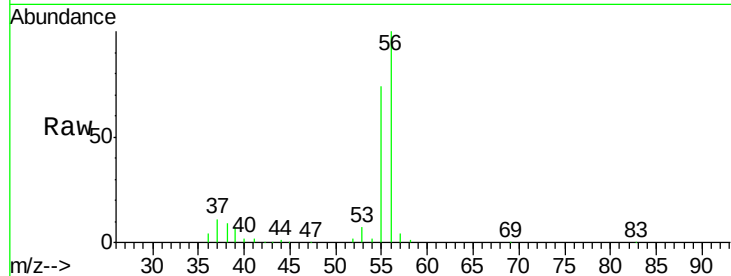
55 70.3 56.9 85.3

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#14

Allyl chloride

Concen: 46.623 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

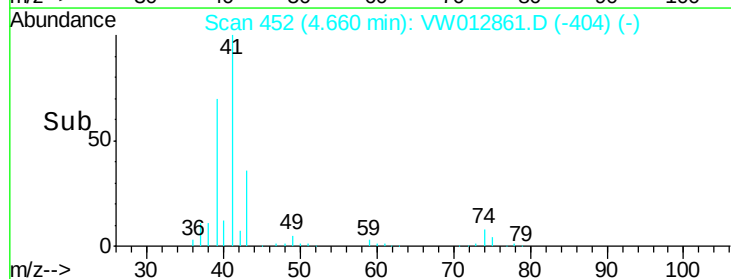
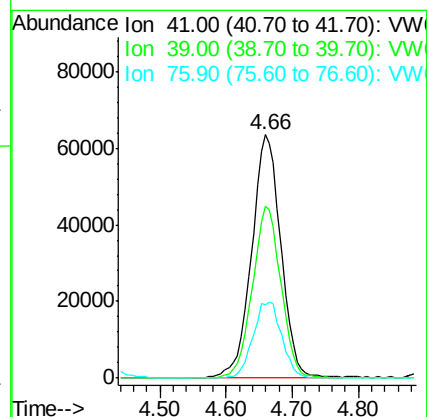
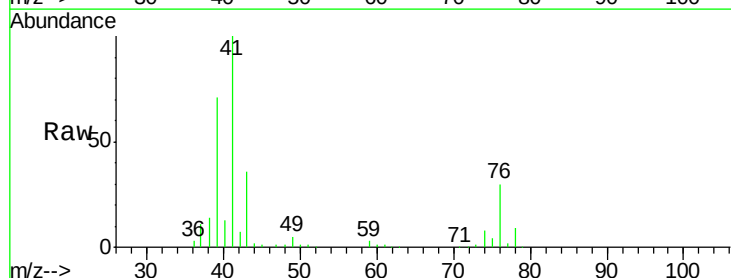
Tgt Ion: 41 Resp: 195373

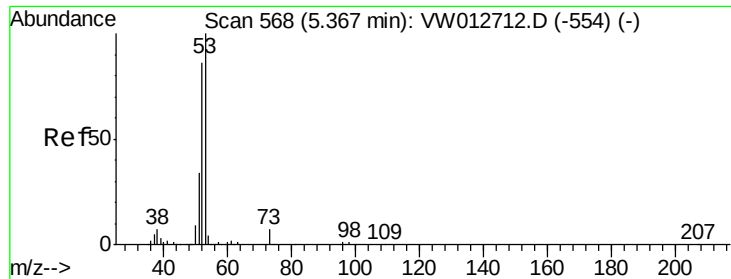
Ion Ratio Lower Upper

41 100

39 69.1 55.0 82.6

76 30.8 23.0 34.4





#15

Acrylonitrile

Concen: 216.212 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

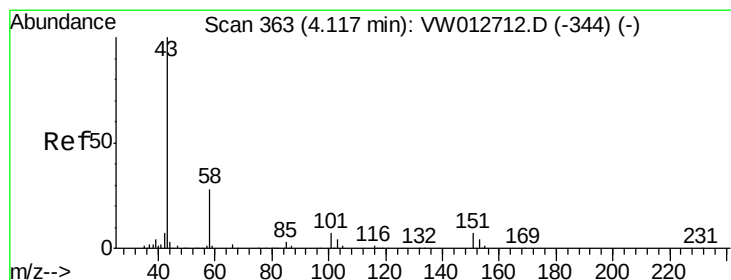
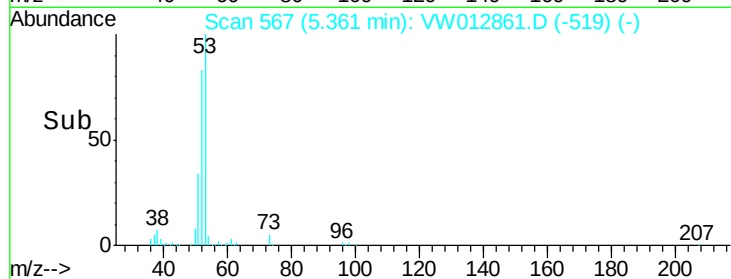
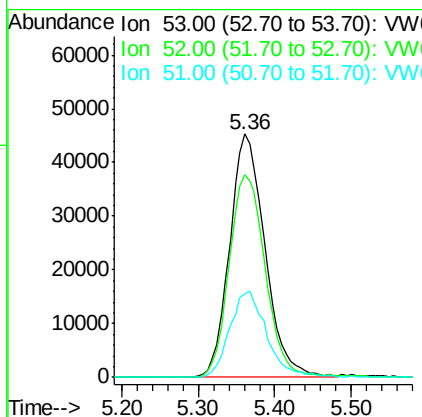
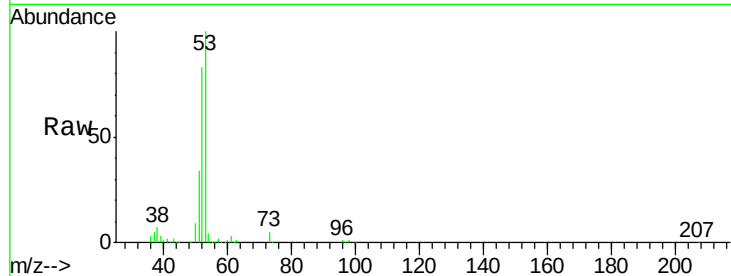
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	145137
Ion	Ratio	Lower	Upper
53	100		
52	84.7	67.0	100.4
51	36.9	29.8	44.8

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#16

Acetone

Concen: 222.347 ug/l

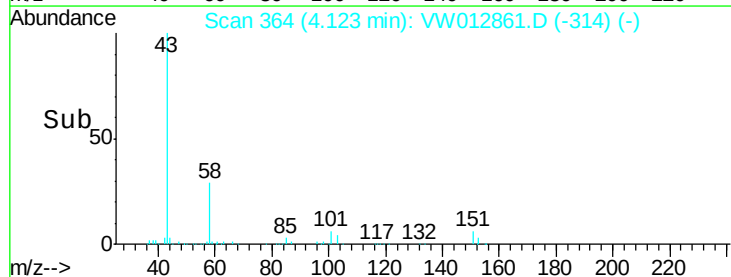
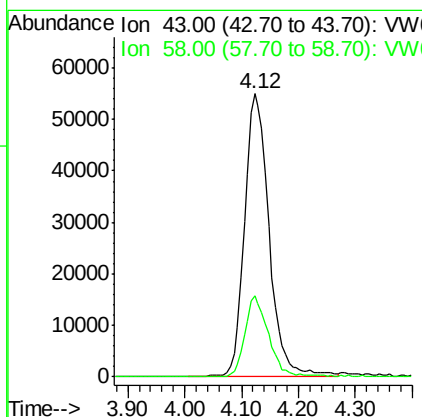
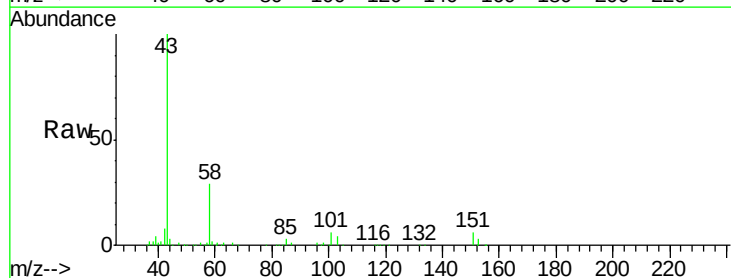
RT: 4.12 min Scan# 364

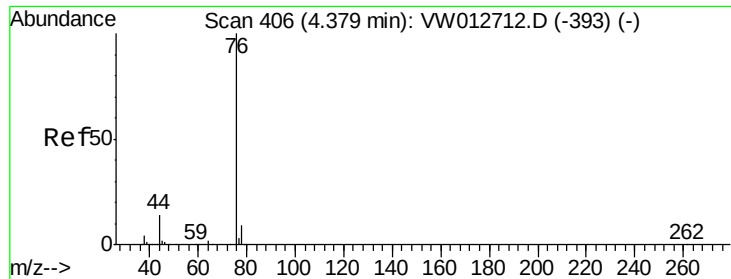
Delta R.T. 0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Tgt Ion:	43	Resp:	166136
Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.6	33.8





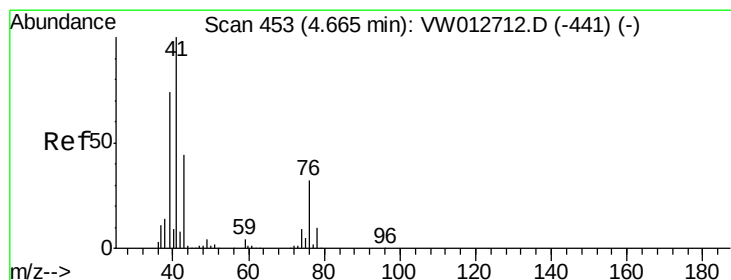
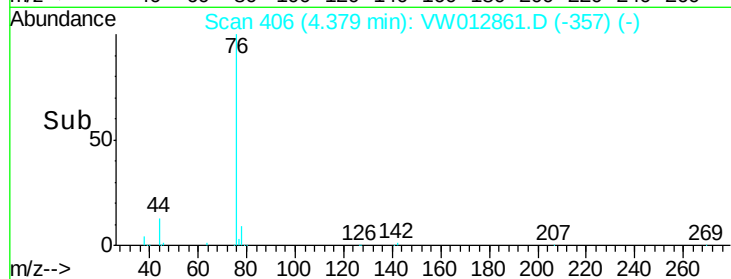
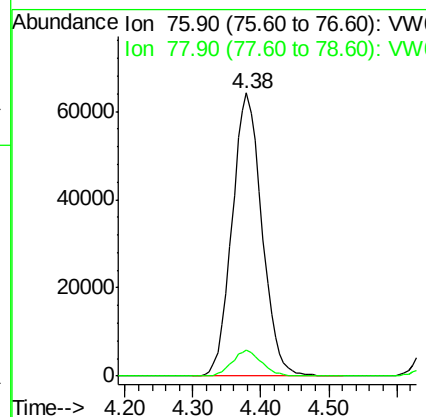
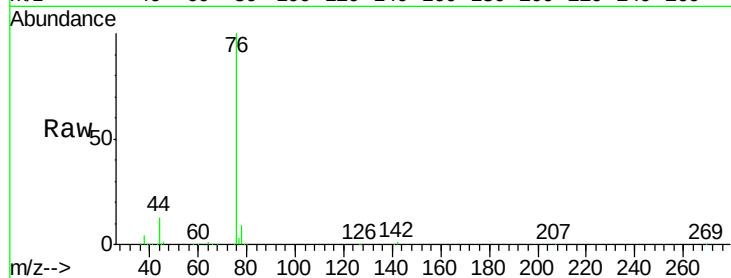
#17
Carbon Disulfide
Concen: 45.448 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

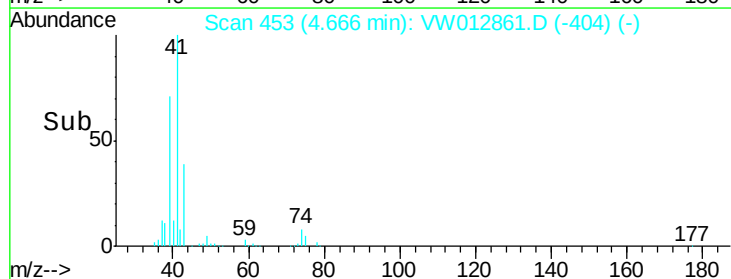
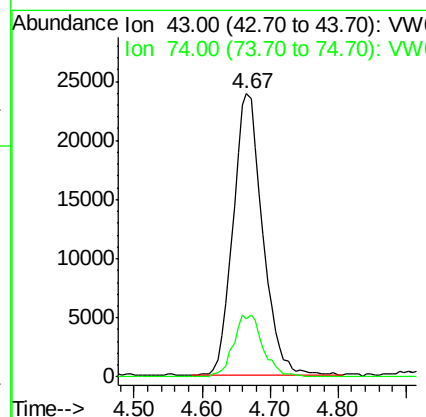
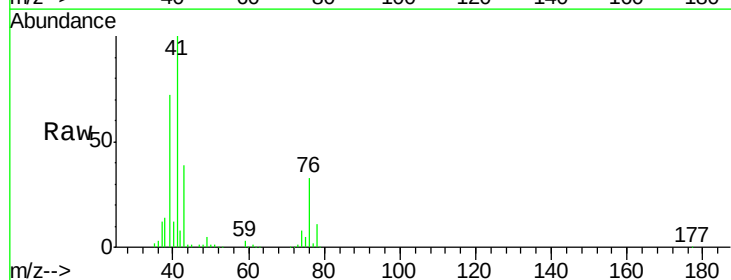
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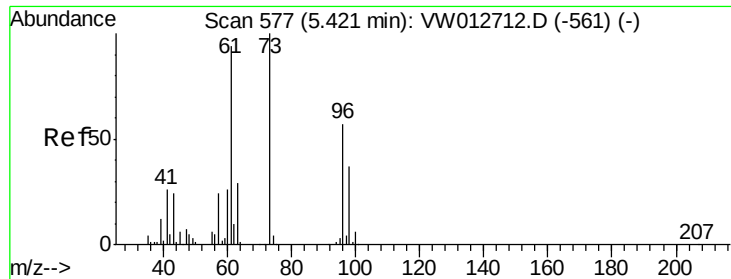
MMDadoda
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#18
Methyl Acetate
Concen: 41.063 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	15.8	23.6





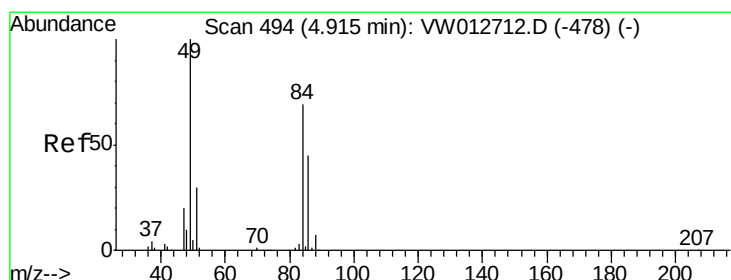
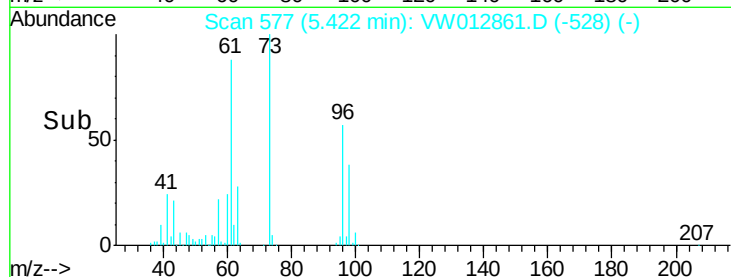
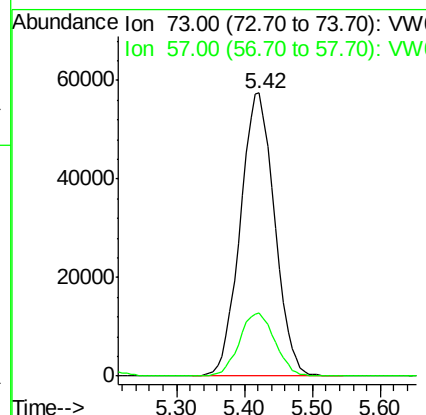
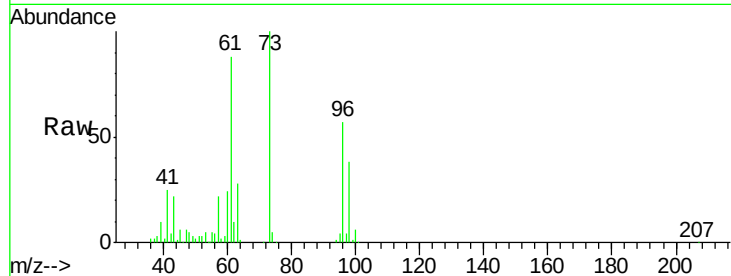
#19
Methyl tert-butyl Ether
Concen: 50.234 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	19.2	28.8

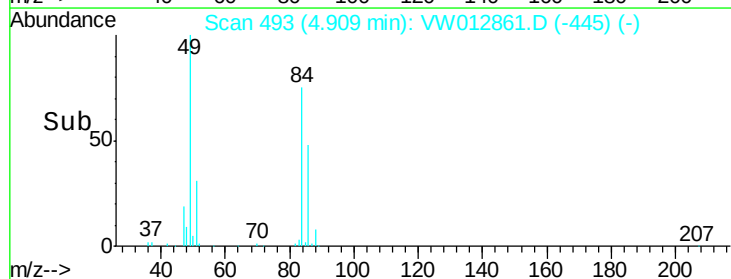
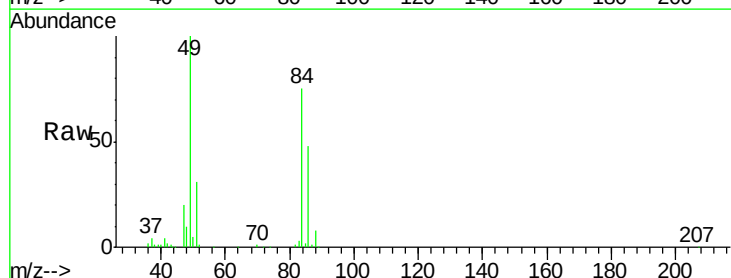
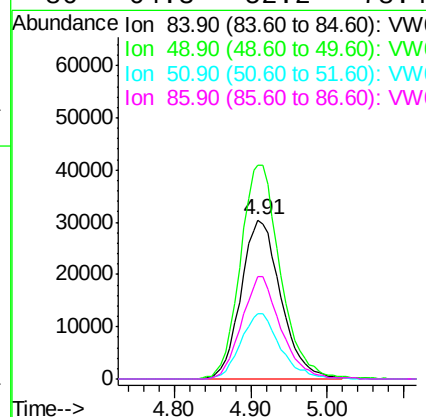
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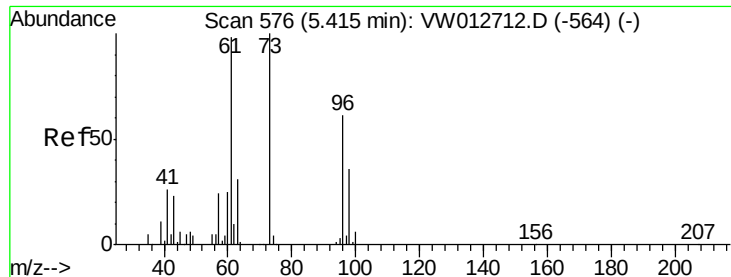
MMDadoda
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#20
Methylene Chloride
Concen: 46.938 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.2	115.4	173.0
51	41.3	34.9	52.3
86	64.3	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 50.212 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 103785

Ion Ratio Lower Upper

96 100

61 154.3 129.2 193.8

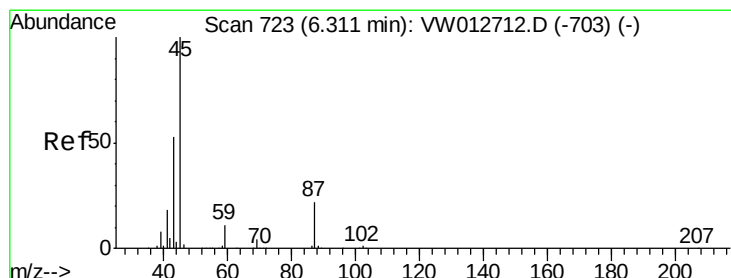
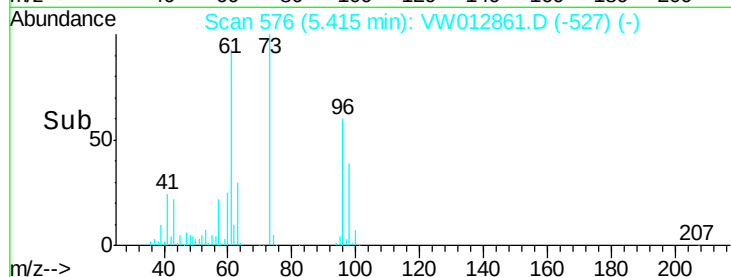
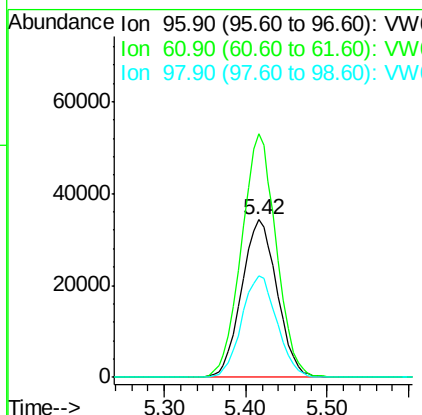
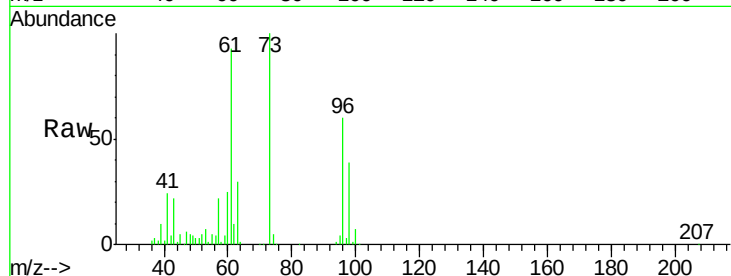
98 64.7 48.0 72.0

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#22

Diisopropyl ether

Concen: 48.774 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Tgt Ion: 45 Resp: 405374

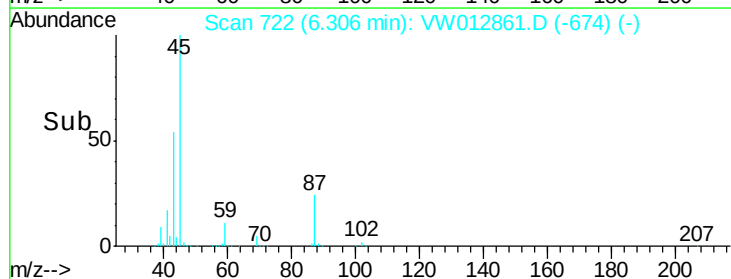
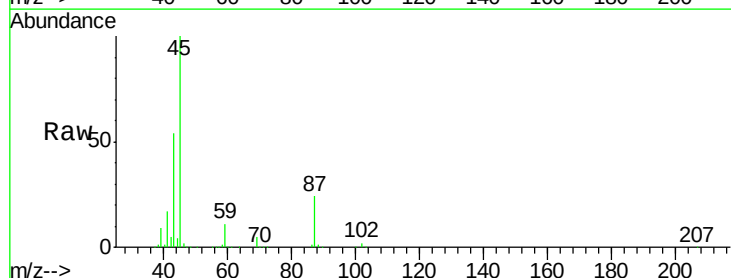
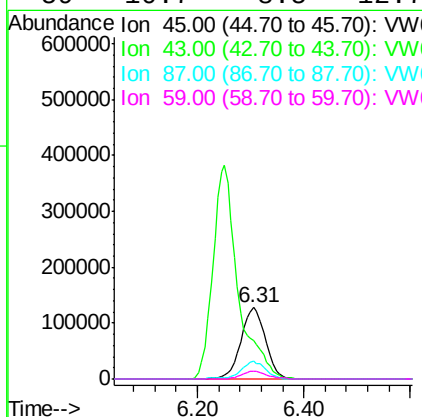
Ion Ratio Lower Upper

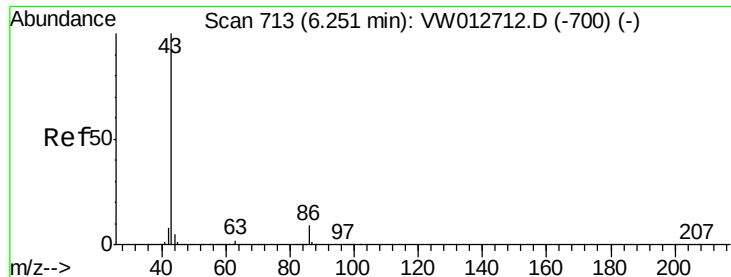
45 100

43 53.2 42.3 63.5

87 24.3 18.2 27.2

59 10.7 8.5 12.7





#23

Vinyl Acetate

Concen: 237.177 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Tot Ion: 43 Resp: 1249265

Ion Ratio Lower Upper

43 100

86 9.0 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

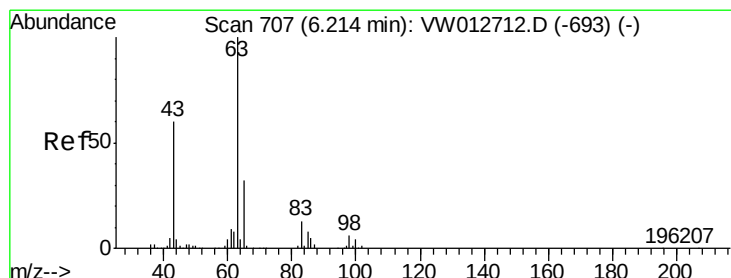
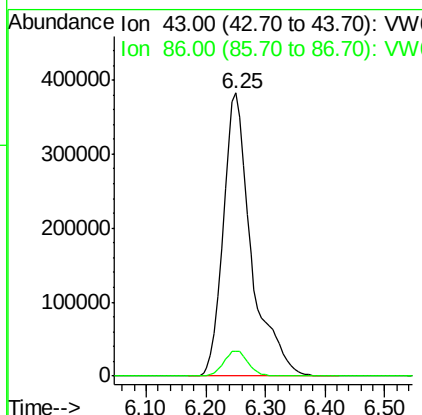
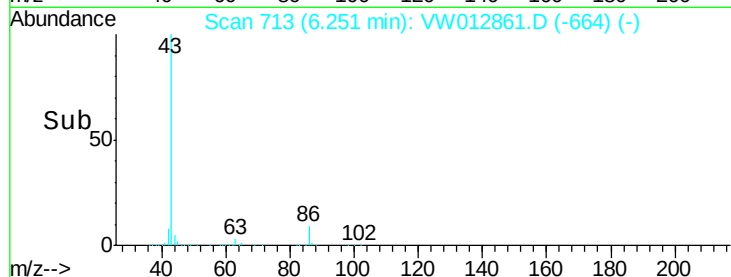
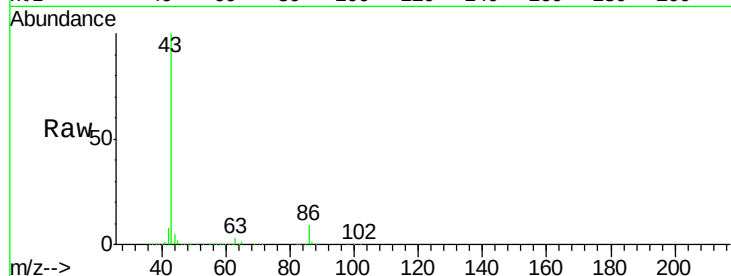
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 49.328 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

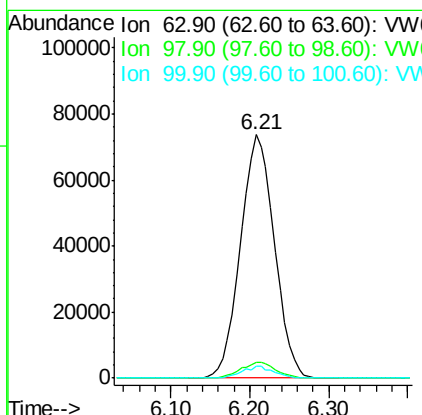
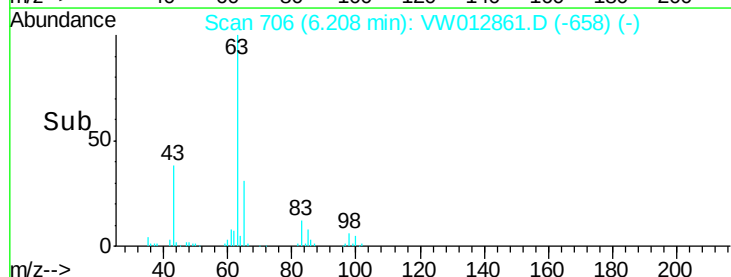
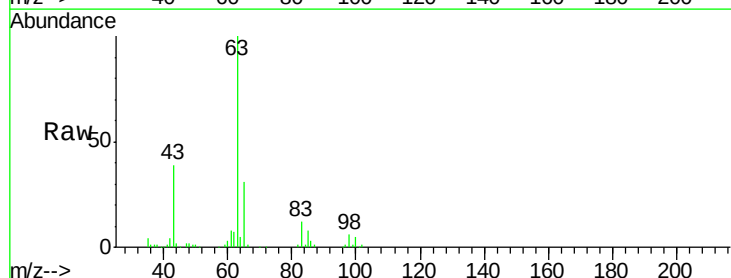
Tgt Ion: 63 Resp: 220749

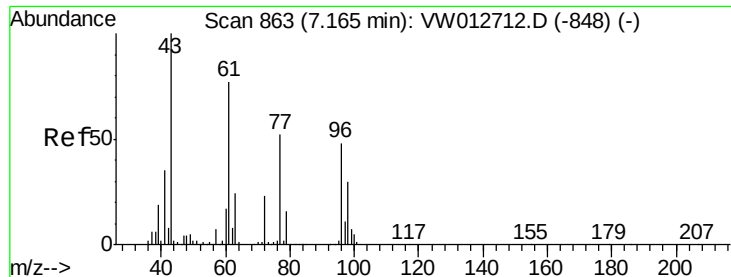
Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.3

100 4.8 1.8 5.5





#25

2-Butanone

Concen: 200.403 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 215815

Ion Ratio Lower Upper

43 100

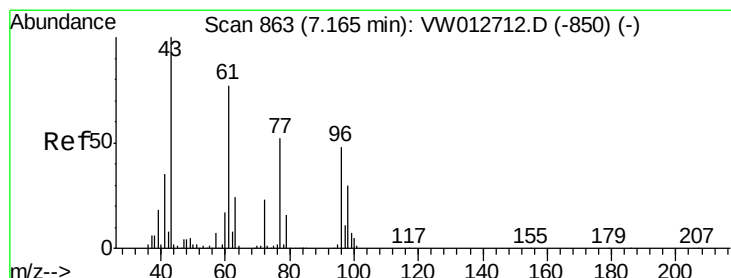
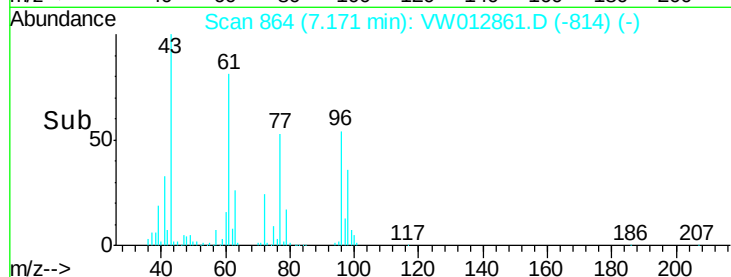
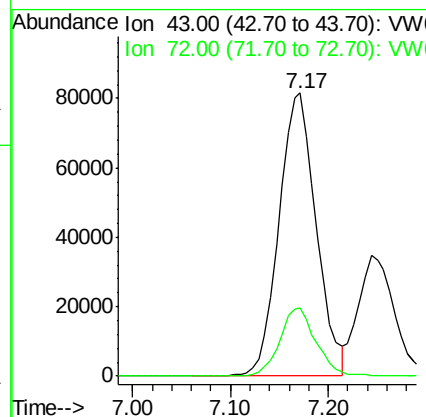
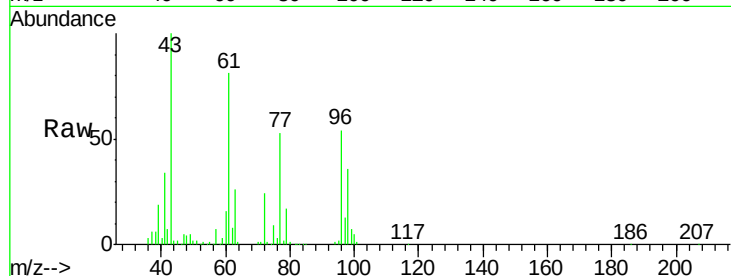
72 24.0 18.0 27.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.274 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012861.D

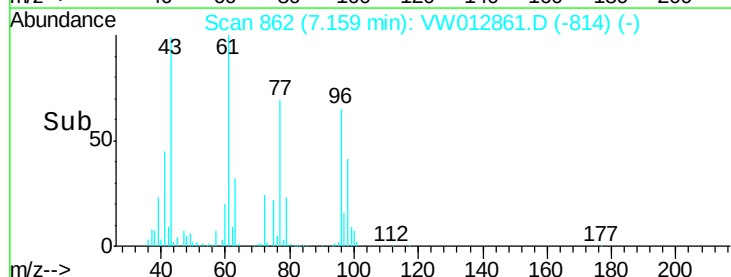
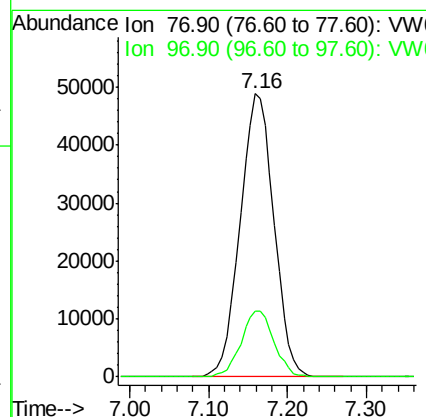
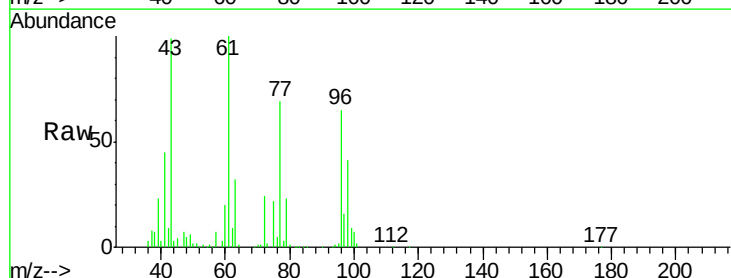
Acq: 10 Sep 2019 10:52

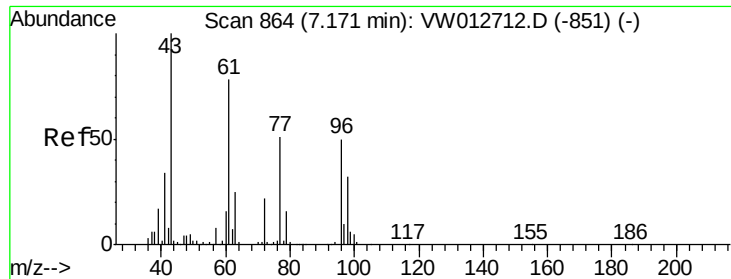
Tgt Ion: 77 Resp: 144925

Ion Ratio Lower Upper

77 100

97 22.7 10.7 32.1





#27

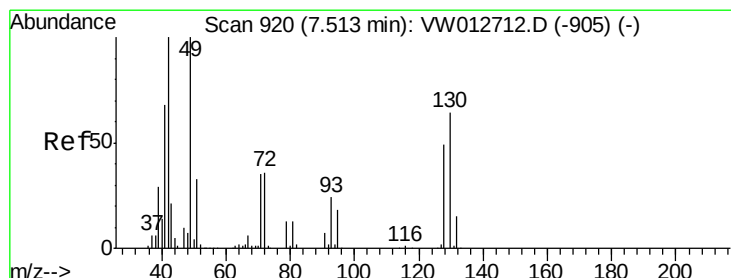
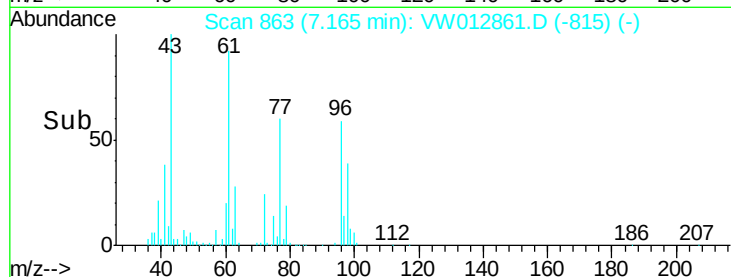
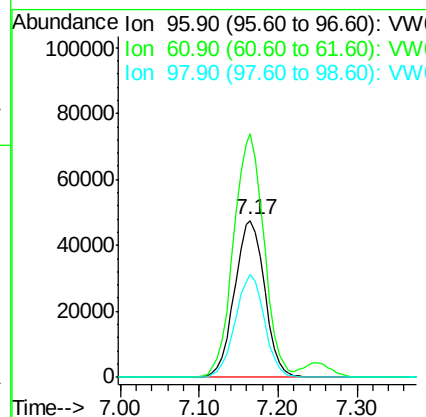
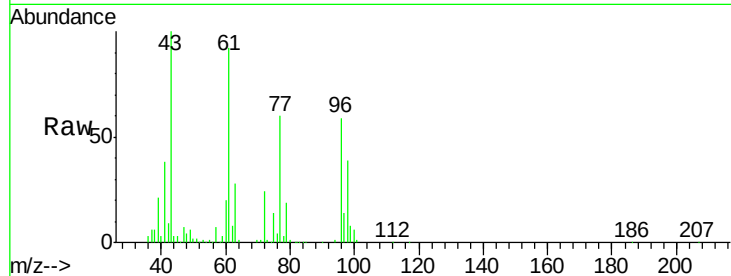
cis-1,2-Dichloroethene
 Concen: 52.633 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	126142		
61	156.6	0.0	325.8	
98	63.5	0.0	127.0	

Manual Integrations
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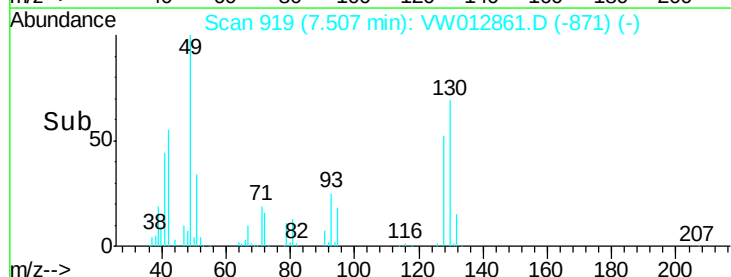
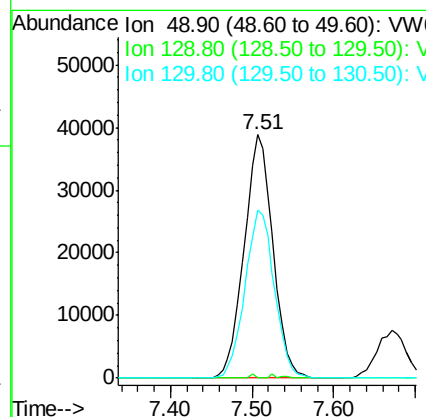
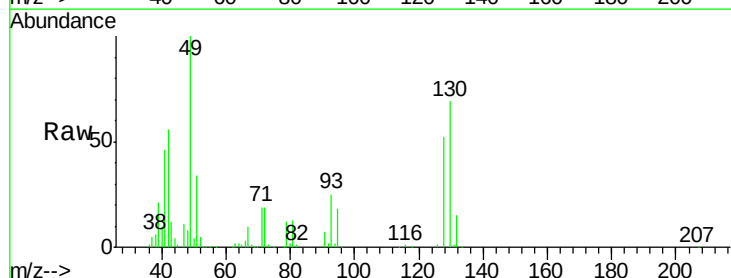
MMDadoda
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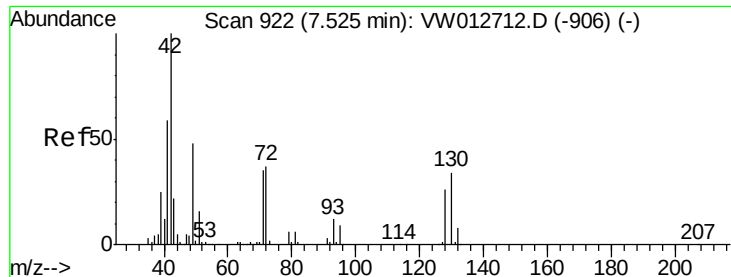


#28

Bromochloromethane
 Concen: 46.260 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	95058		
129	0.3	0.0	0.8	
130	70.4	49.8	74.8	





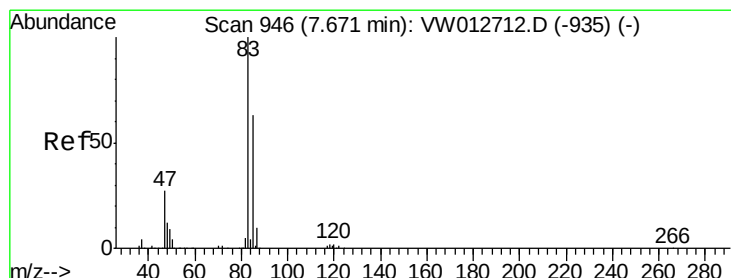
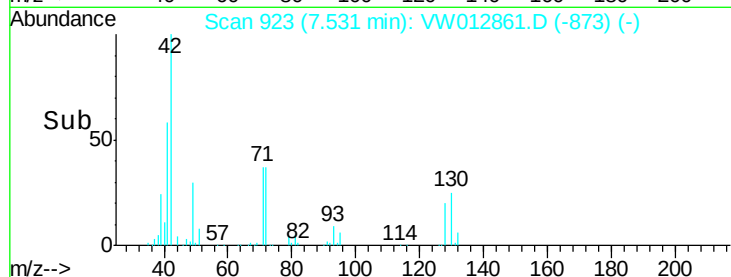
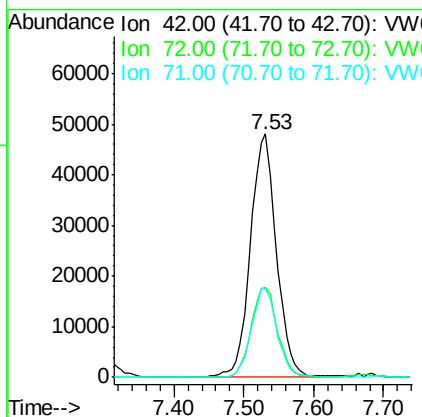
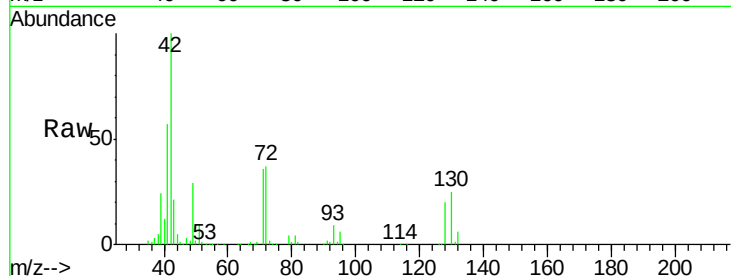
#29
Tetrahydrofuran
Concen: 205.280 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	28.4	42.6
71	36.4	27.1	40.7

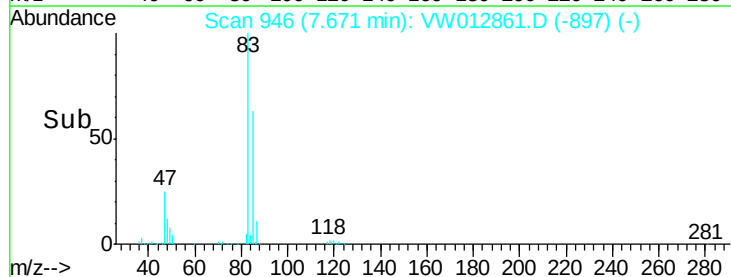
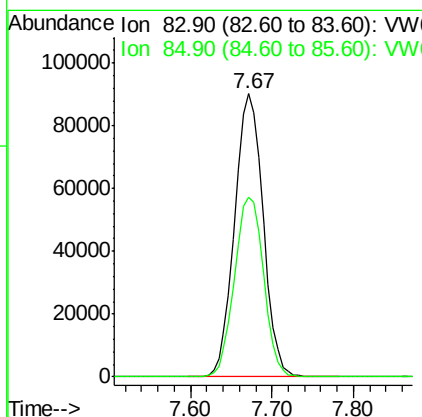
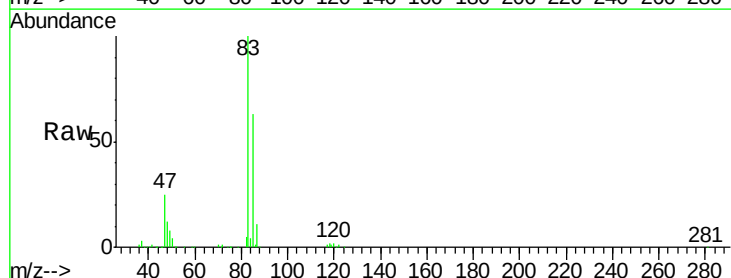
Manual Integrations
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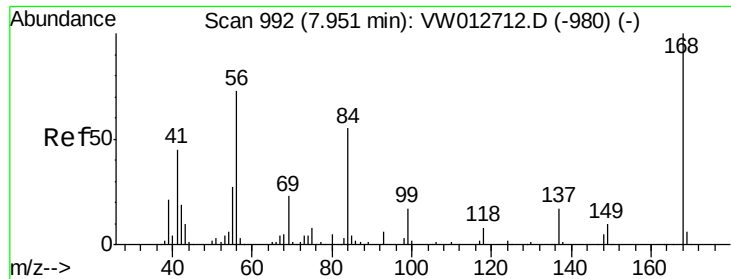
MMDadoda
9/11/2019 9:26:48 AM



#30
Chloroform
Concen: 49.122 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0





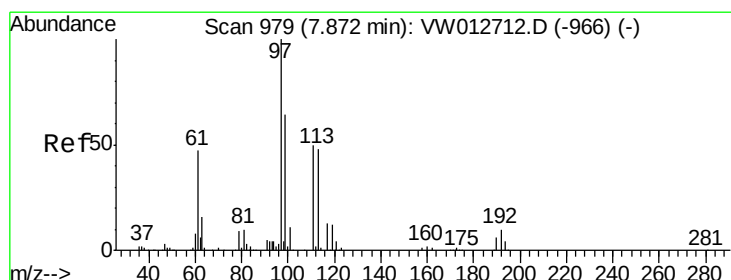
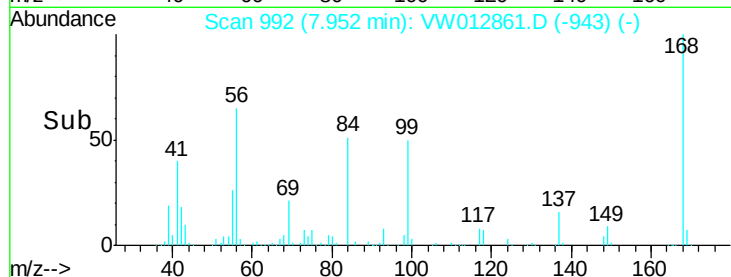
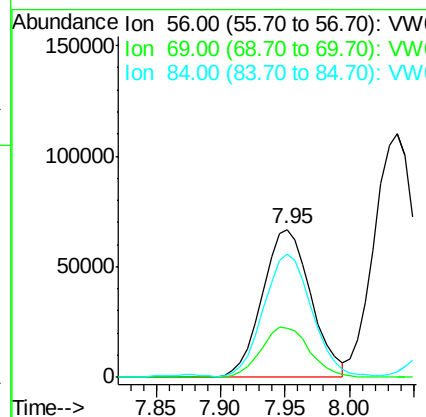
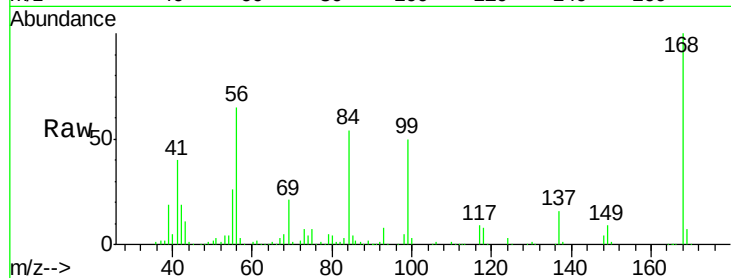
#31
Cyclohexane
Concen: 43.557 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.7	38.5
84	81.6	60.4	90.6

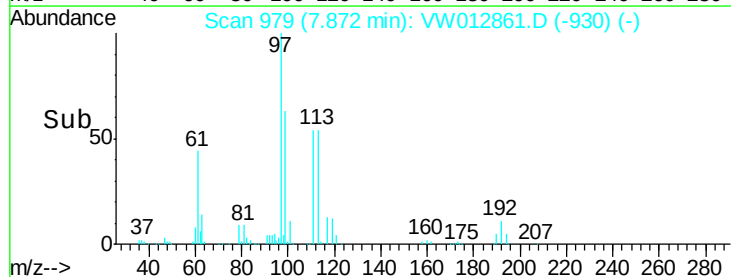
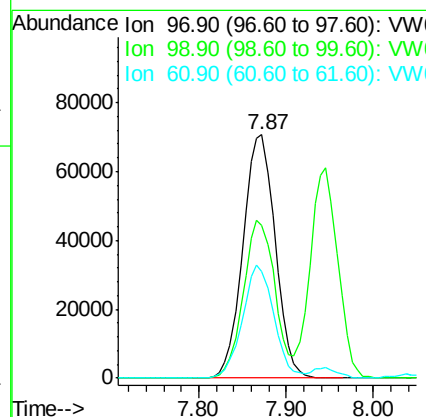
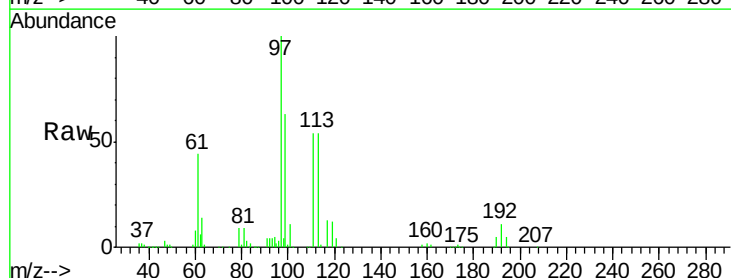
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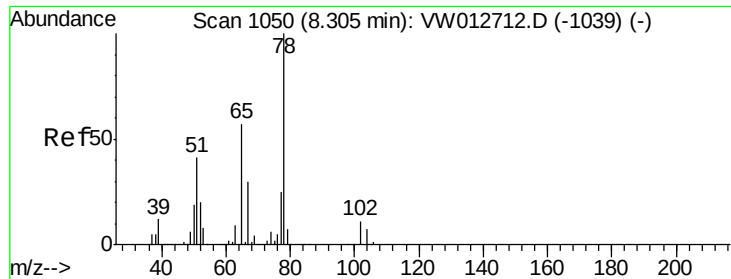
MMDadoda
9/11/2019 9:26:48 AM



#32
1,1,1-Trichloroethane
Concen: 50.322 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	45.0	37.9	56.9





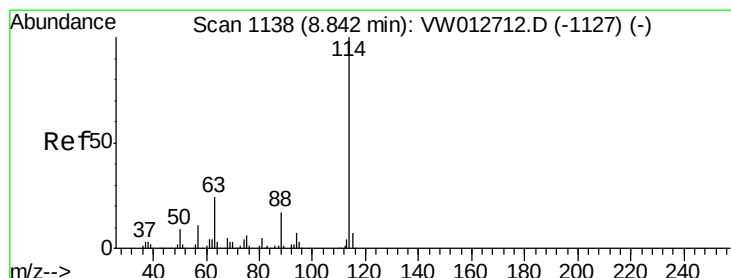
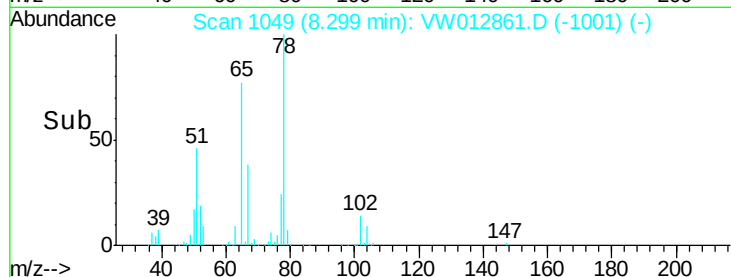
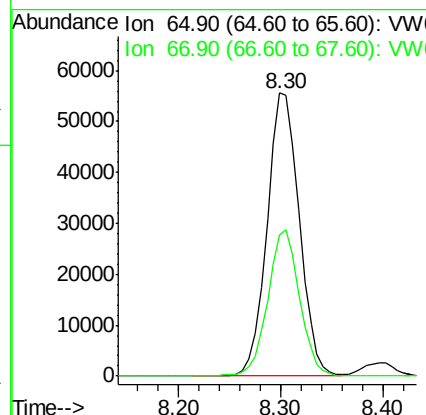
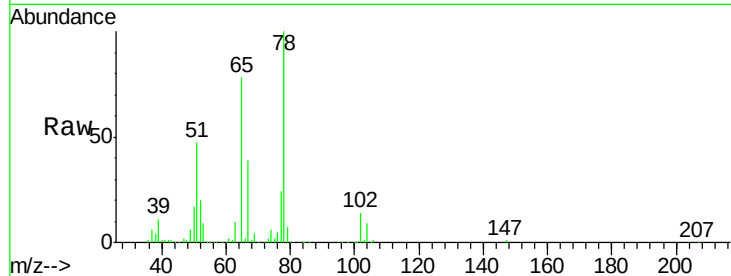
#33
 1,2-Dichloroethane-d4
 Concen: 44.474 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	121894		
67	50.9	0.0	101.8	

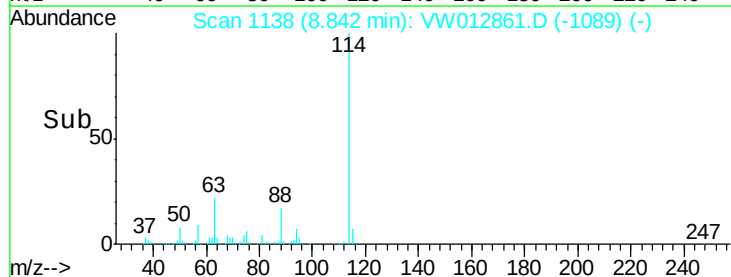
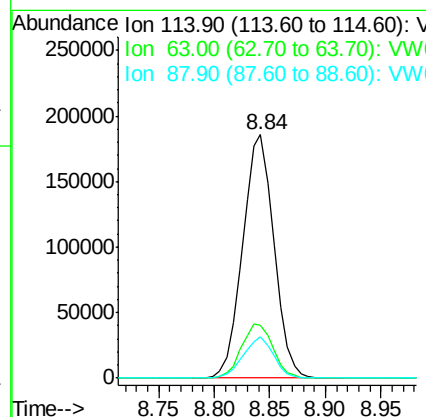
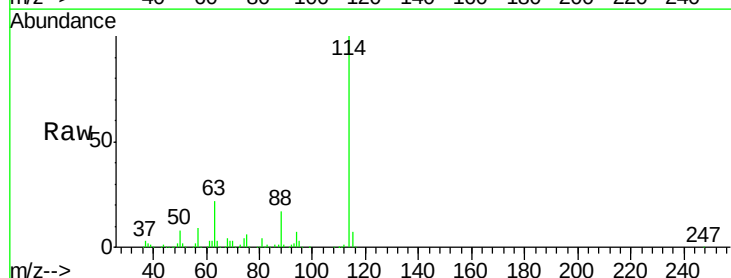
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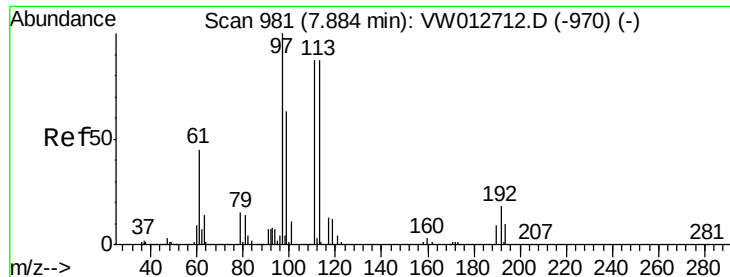
MMDadoda
 9/11/2019 9:26:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	361473		
63	21.7	0.0	47.2	
88	16.8	0.0	34.0	





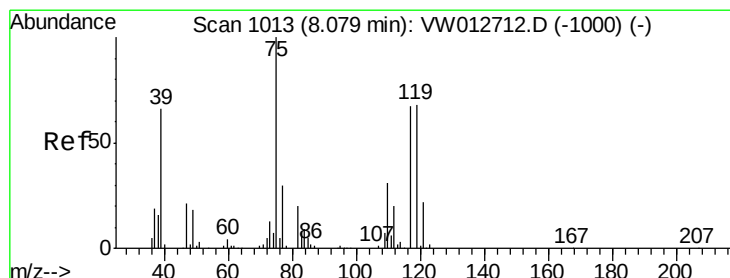
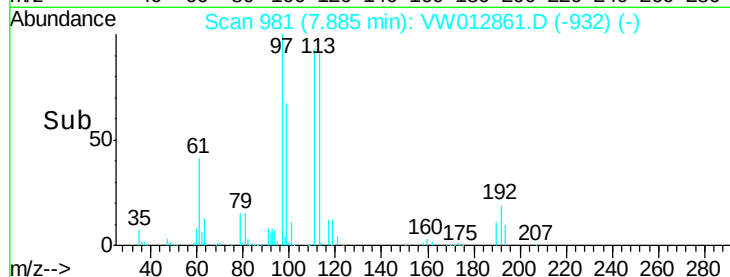
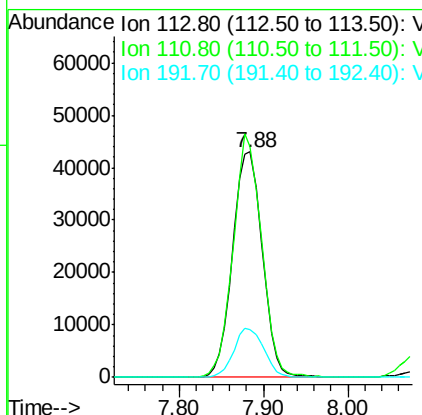
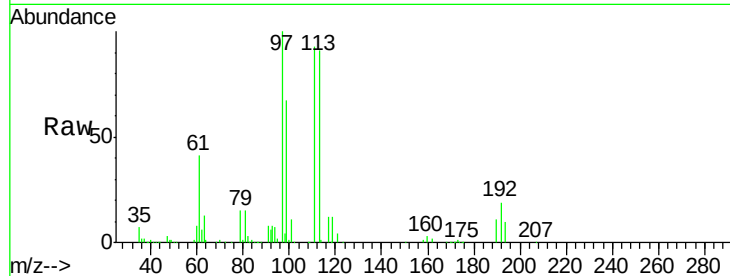
#35
 Dibromofluoromethane
 Concen: 47.825 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.2	120.4
192	22.0	17.3	25.9

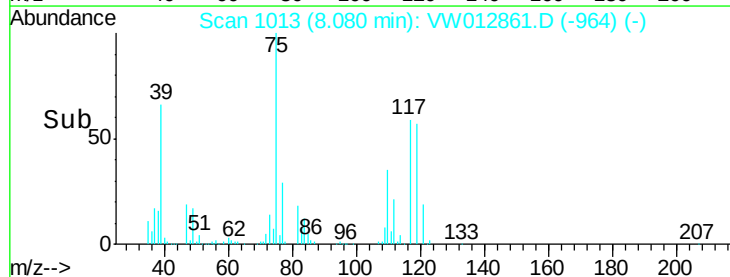
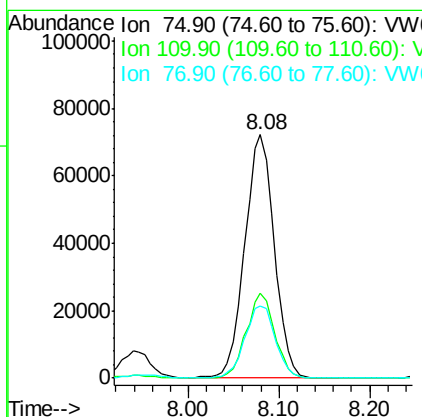
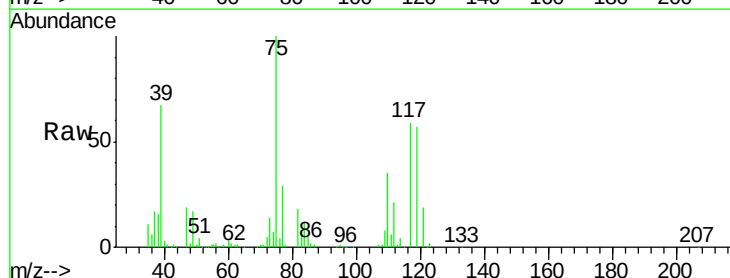
Manual Integrations
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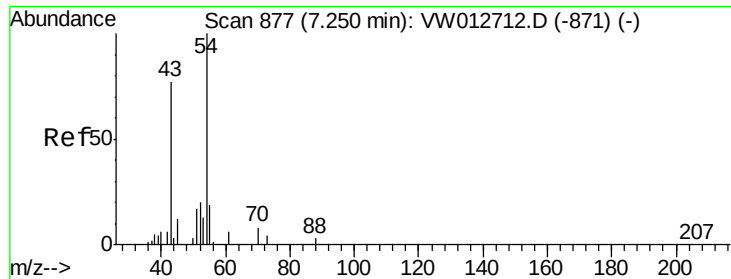
MMDadoda
 9/11/2019 9:26:48 AM



#36
 1,1-Dichloropropene
 Concen: 50.614 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	15.9	47.7
77	30.7	25.0	37.4





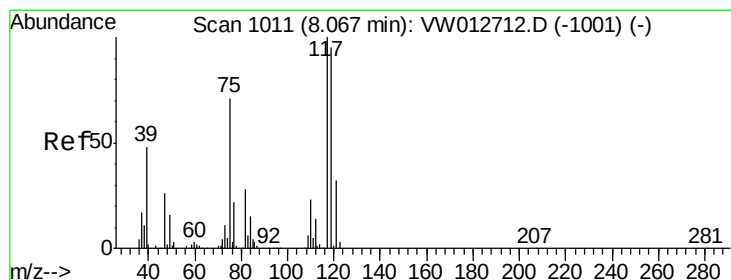
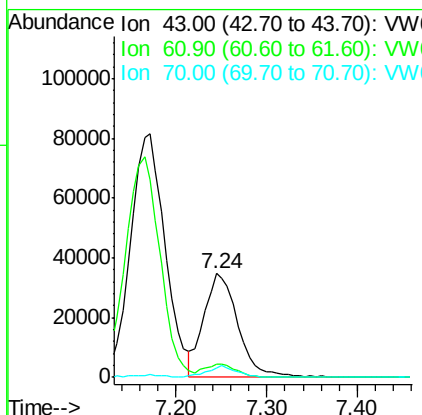
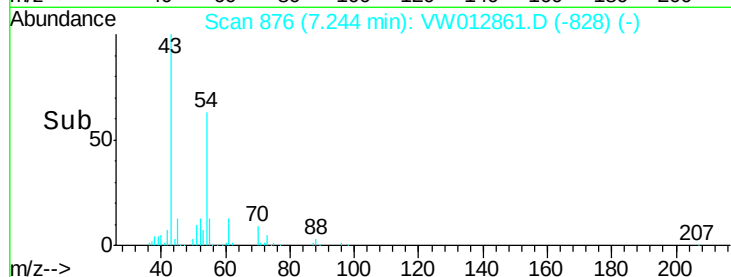
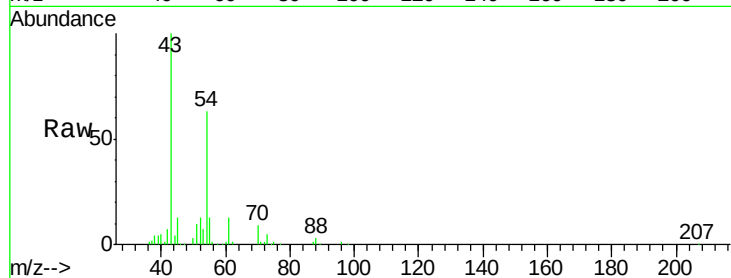
#37
Ethyl Acetate
Concen: 43.968 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.5	14.3
70	9.5	7.0	10.6

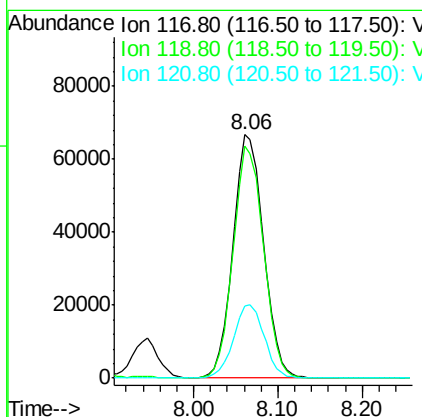
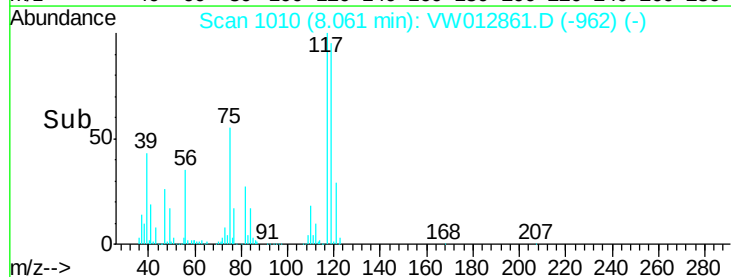
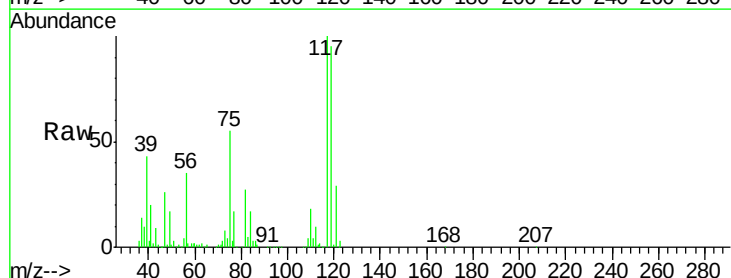
Manual Integrations
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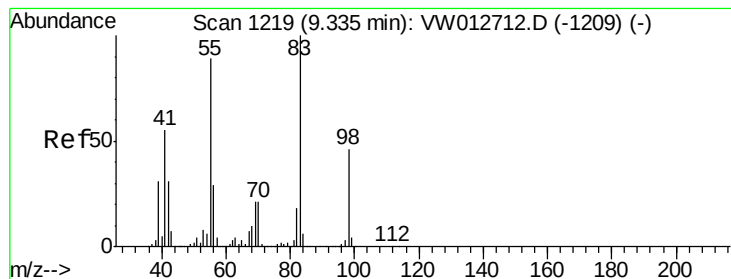
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#38
Carbon Tetrachloride
Concen: 51.605 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.2	114.2
121	29.5	25.4	38.2





#39

Methylvlcyclohexane

Concen: 49.573 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

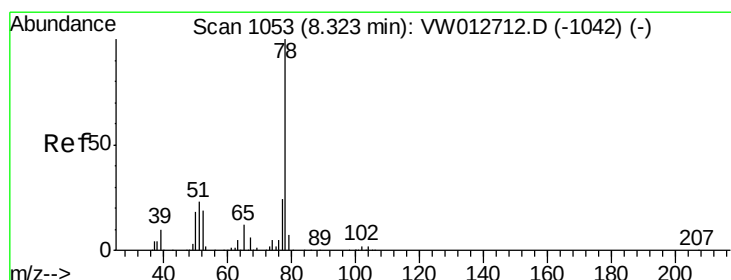
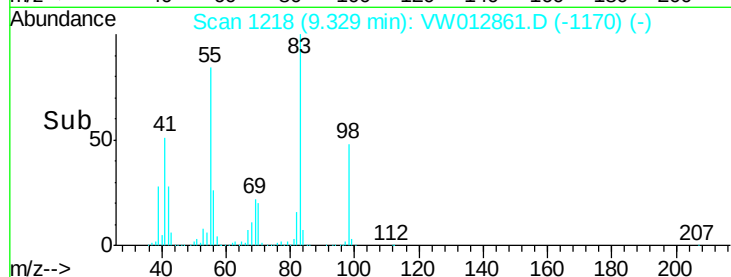
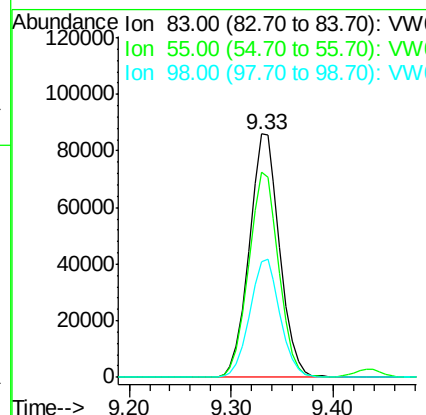
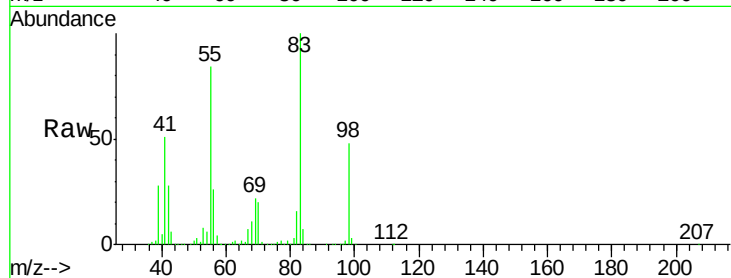
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	178821
Ion	Ratio	Lower	Upper
83	100		
55	84.0	71.0	106.4
98	47.6	36.9	55.3

Manual Integrations
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#40

Benzene

Concen: 51.013 ug/l

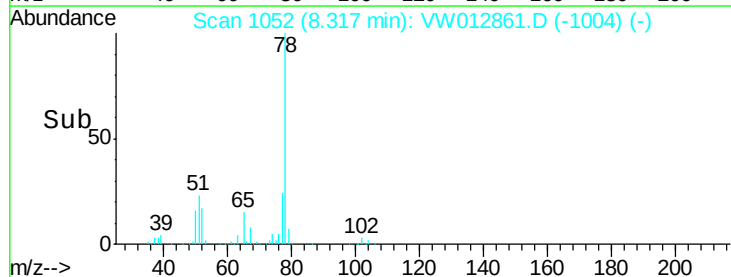
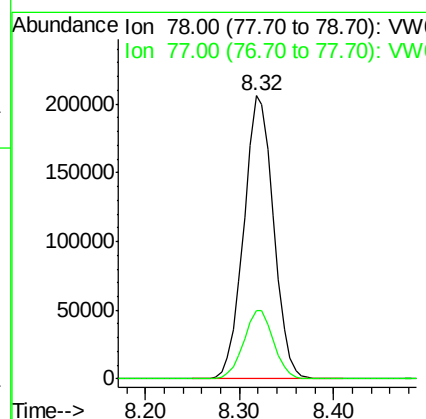
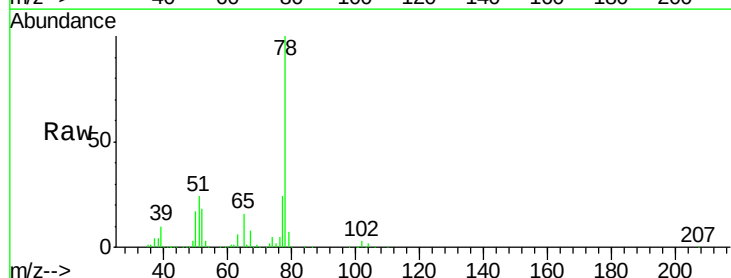
RT: 8.32 min Scan# 1052

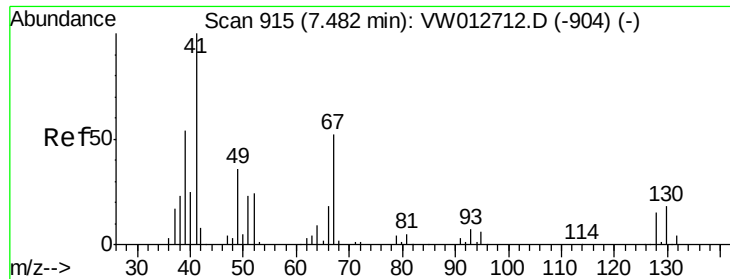
Delta R.T. -0.01 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Tgt Ion:	78	Resp:	454582
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9





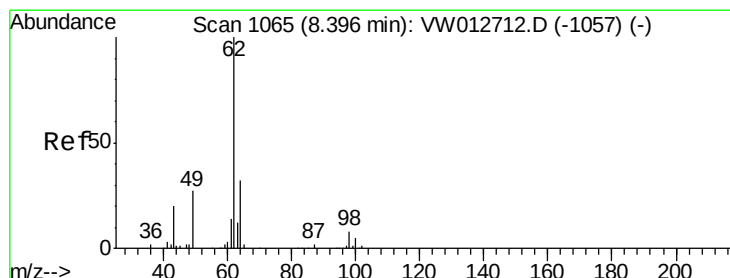
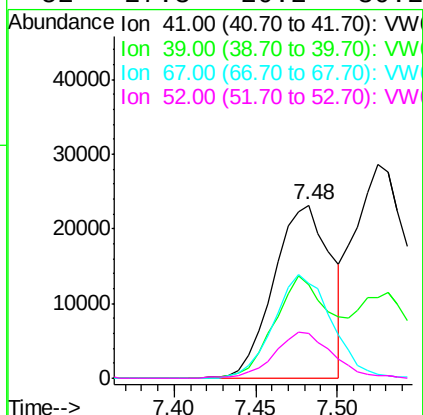
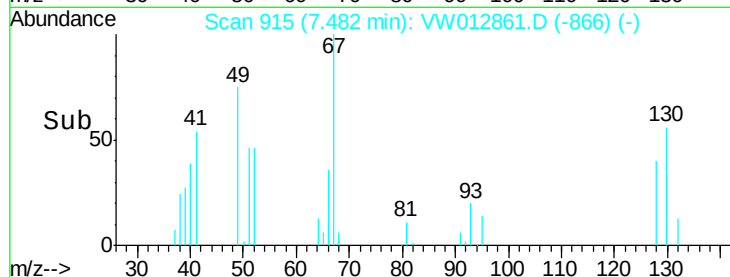
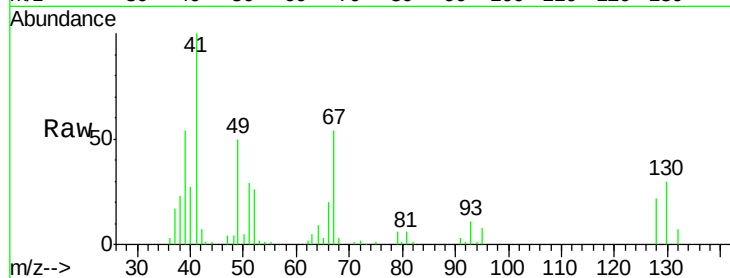
#41
Methacrylonitrile
Concen: 41.242 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	56386
Ion	Ratio	Lower	Upper
41	100		
39	60.7	47.5	71.3
67	60.9	45.1	67.7
52	27.3	20.2	30.2

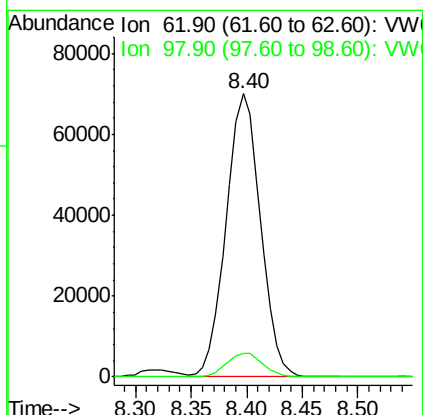
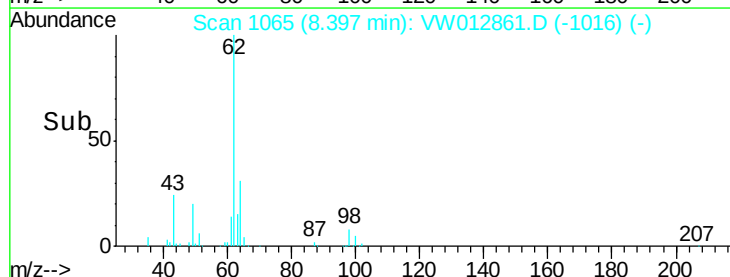
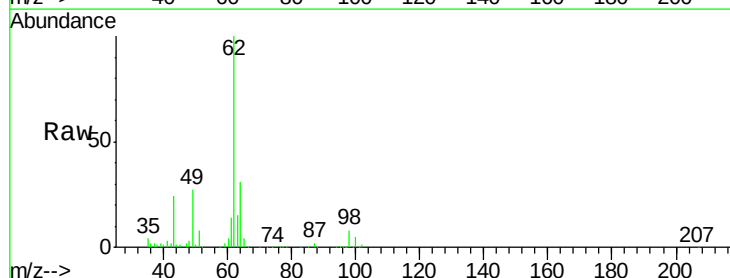
Manual Integrations
APPROVED

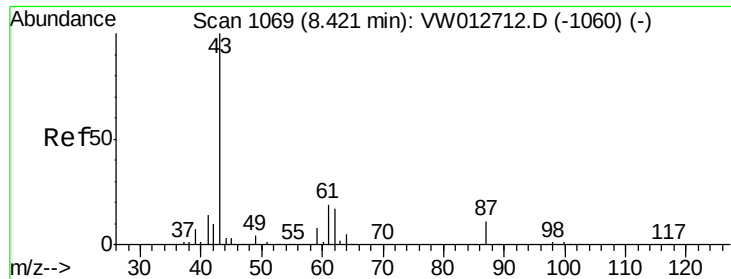
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.987 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	62	Resp	150496
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.2





#43

Isopropyl Acetate

Concen: 46.028 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

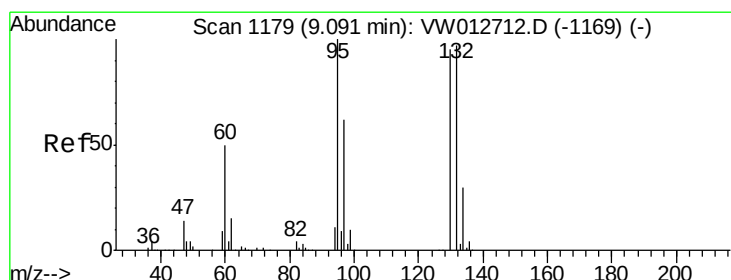
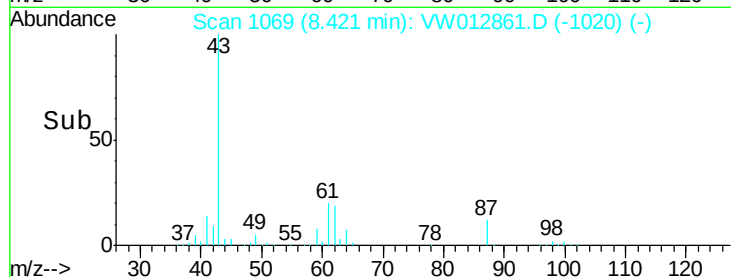
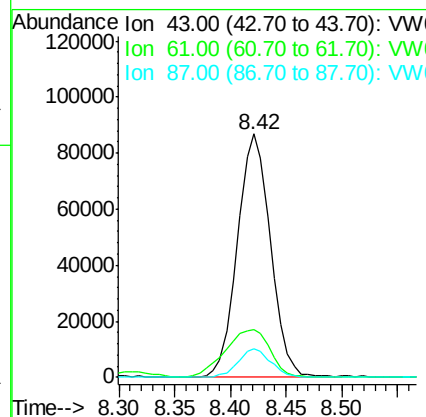
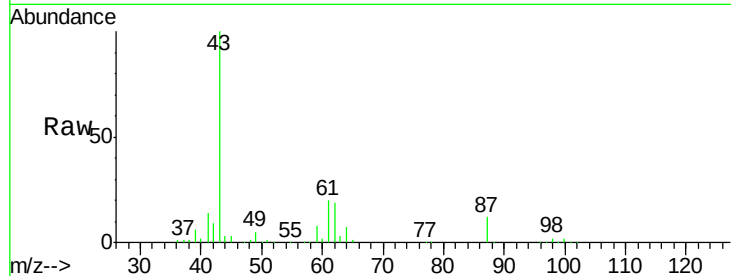
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	178541
Ion	Ratio	Lower	Upper
43	100		
61	26.9	20.6	30.8
87	11.5	8.6	13.0

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#44

Trichloroethene

Concen: 52.714 ug/l

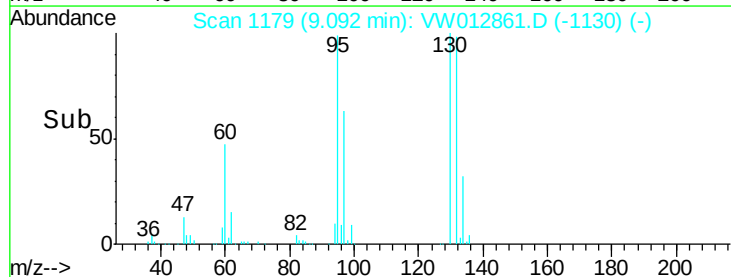
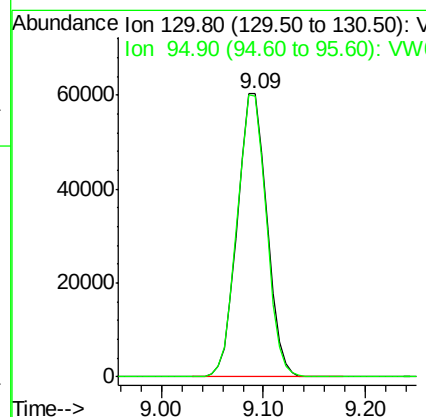
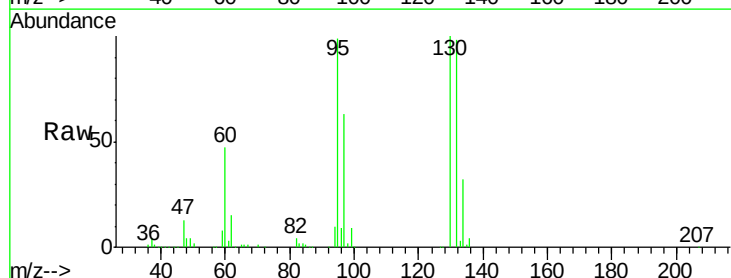
RT: 9.09 min Scan# 1179

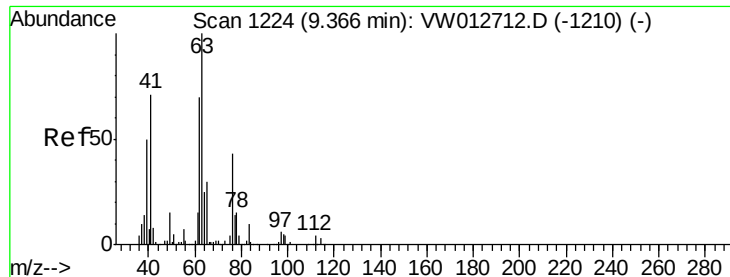
Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Tgt Ion:	130	Resp:	121085
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	210.6





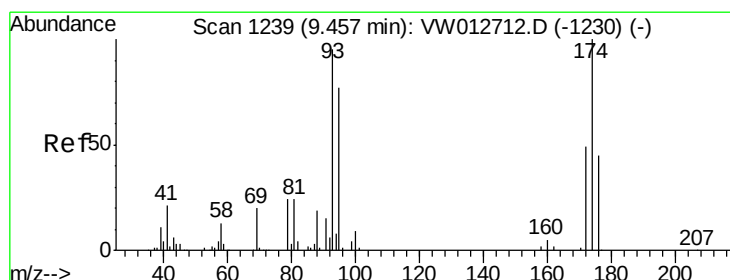
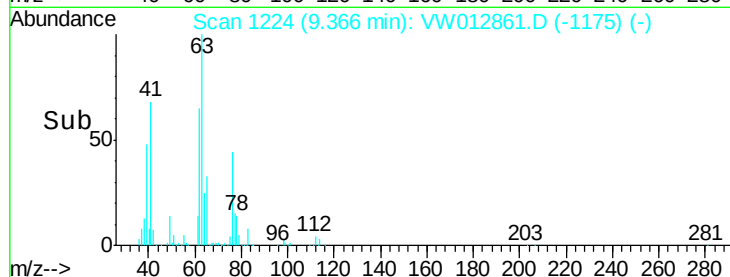
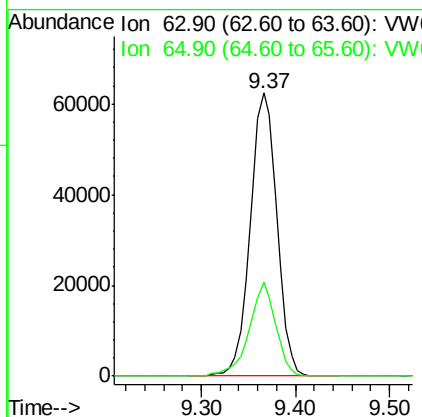
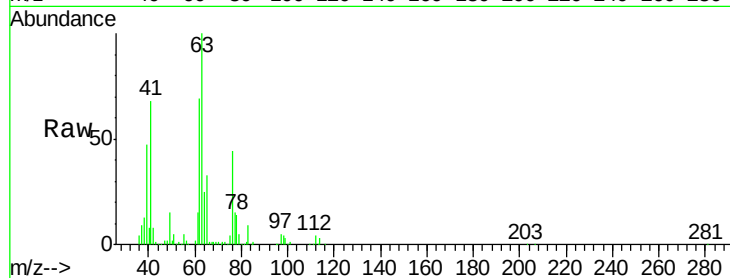
#45
 1,2-Dichloropropane
 Concen: 49.861 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.3	23.8	35.8

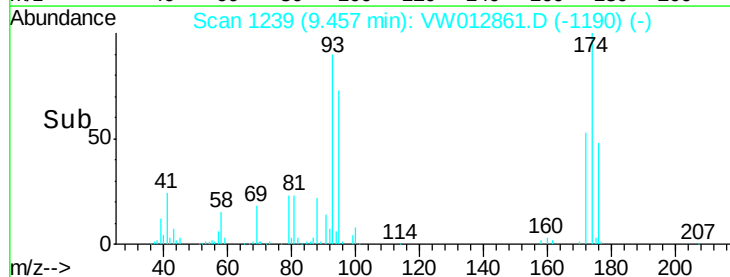
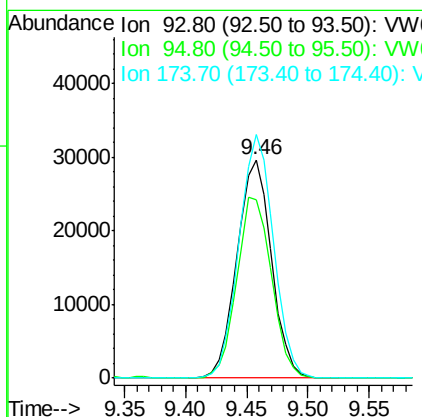
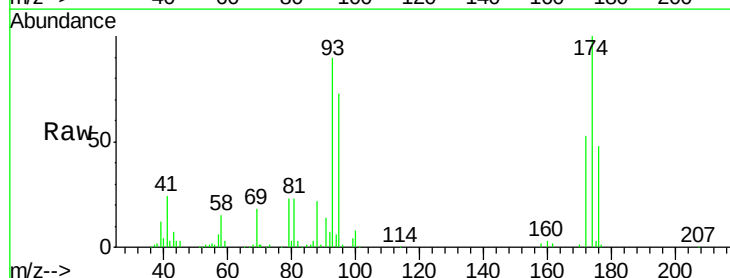
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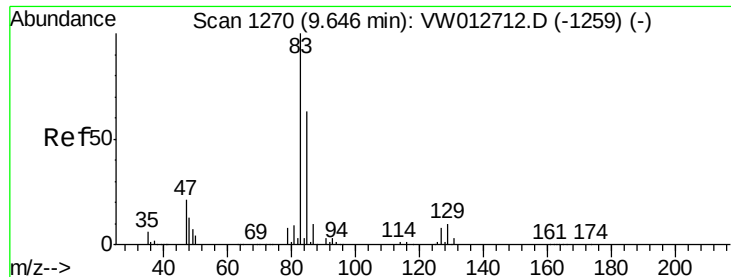
MMDadoda
 9/11/2019 9:26:48 AM



#46
 Dibromomethane
 Concen: 49.563 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.2	97.8
174	111.7	84.2	126.4





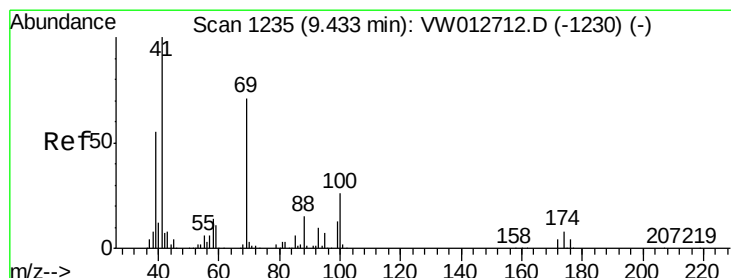
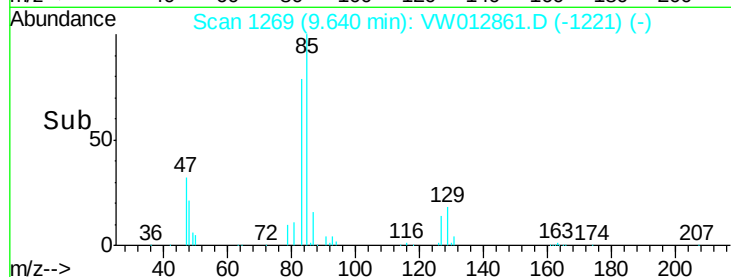
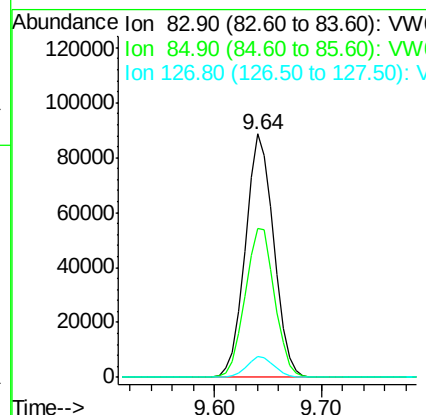
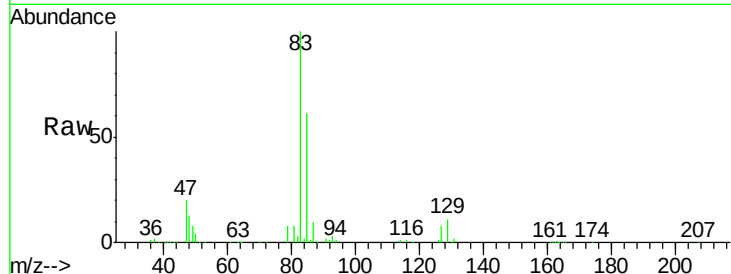
#47
 Bromodichloromethane
 Concen: 51.547 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	165977
Ion Ratio	100	Lower	Upper
83	100		
85	61.4	50.2	75.2
127	8.5	6.6	9.8

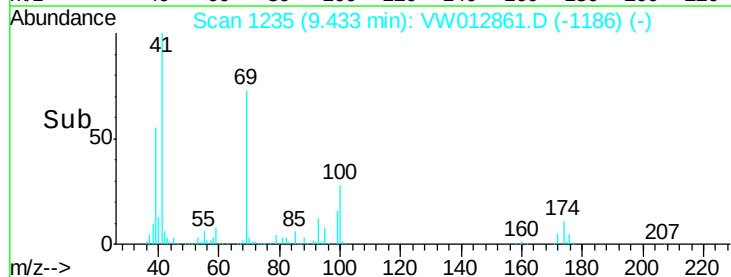
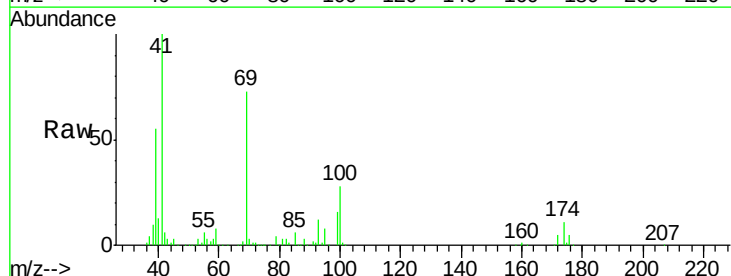
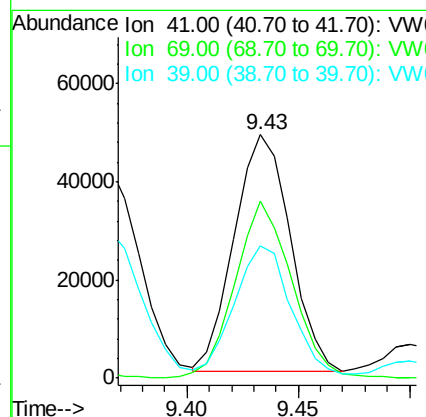
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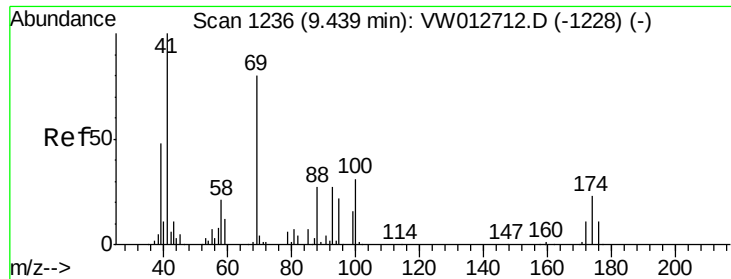
MMDadoda
 9/11/2019 9:26:48 AM



#48
 Methyl methacrylate
 Concen: 45.731 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion	41	Resp	84772
Ion Ratio	100	Lower	Upper
41	100		
69	75.8	59.8	89.8
39	57.5	47.0	70.6





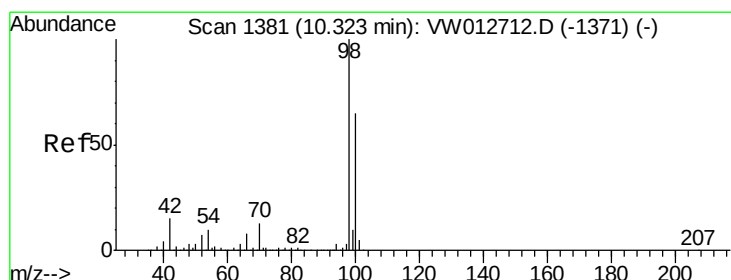
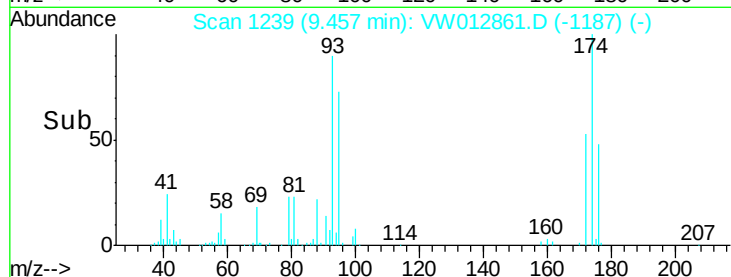
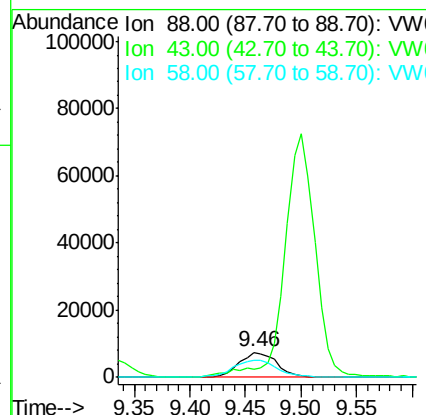
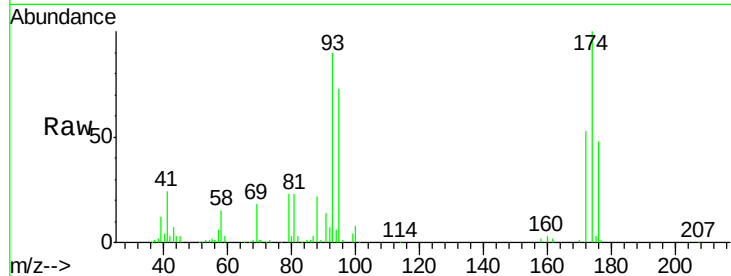
#49
1,4-Dioxane
Concen: 758.887 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.02 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	17544		
43	0.0	34.8	52.2#	
58	80.1	64.1	96.1	

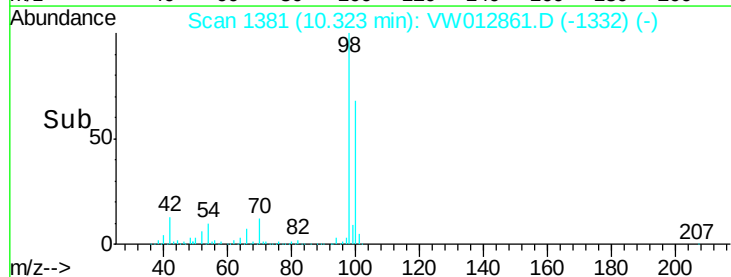
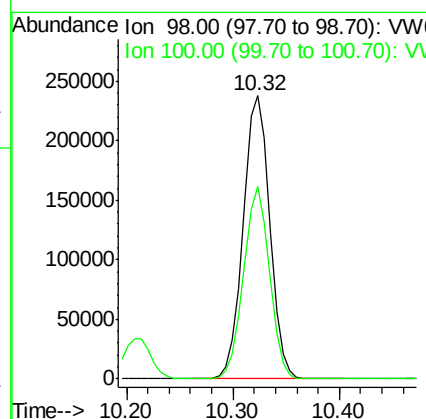
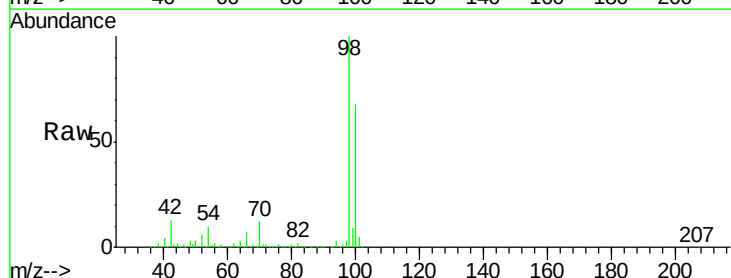
Manual Integrations
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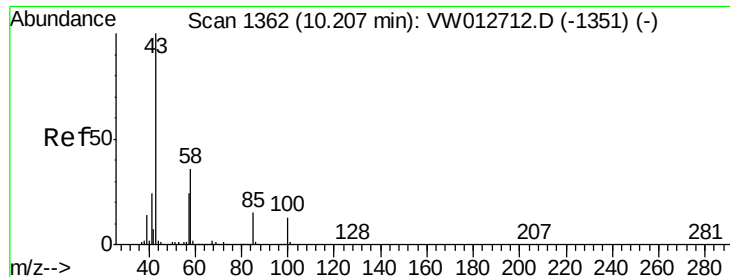
MMDadoda
9/11/2019 9:26:48 AM



#50
Toluene-d8
Concen: 49.666 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	418163		
100	66.1	52.2	78.4	





#51

4-Methyl-2-Pentanone

Concen: 223.545 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 455006

Ion Ratio Lower Upper

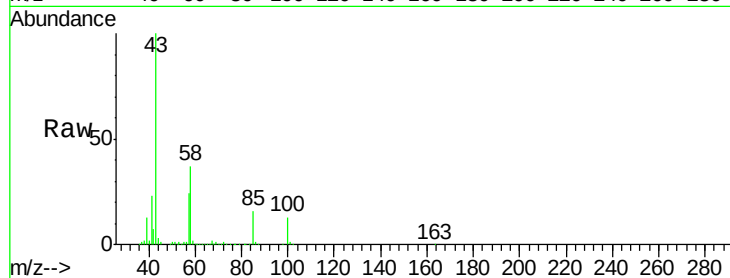
43 100

58 36.9 28.4 42.6

Manual Integrations
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MMDadoda

9/11/2019 9:26:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

250000

200000

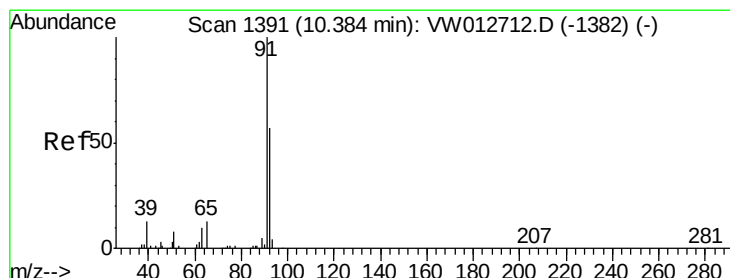
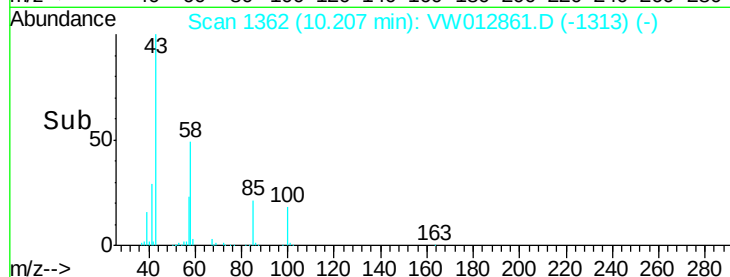
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 53.073 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW012861.D

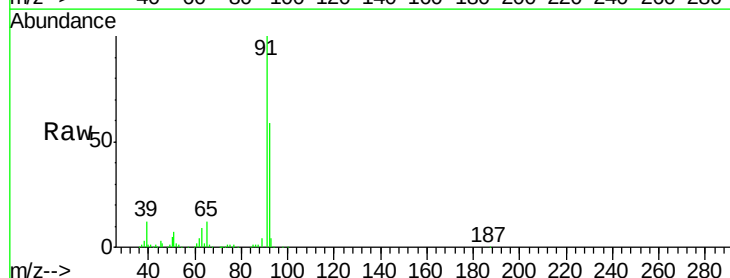
Acq: 10 Sep 2019 10:52

Tgt Ion: 92 Resp: 295183

Ion Ratio Lower Upper

92 100

91 170.1 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

300000

250000

200000

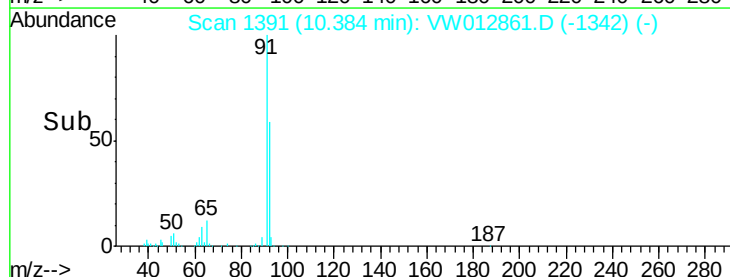
150000

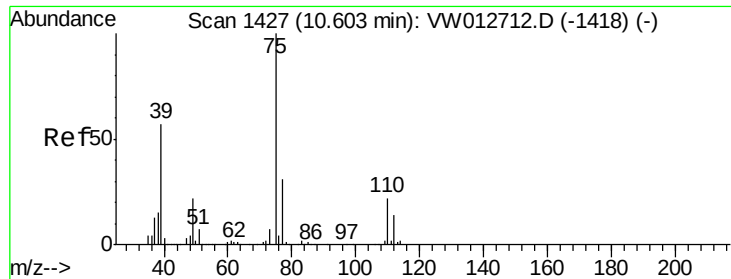
100000

50000

0

Time--> 10.30 10.40 10.50





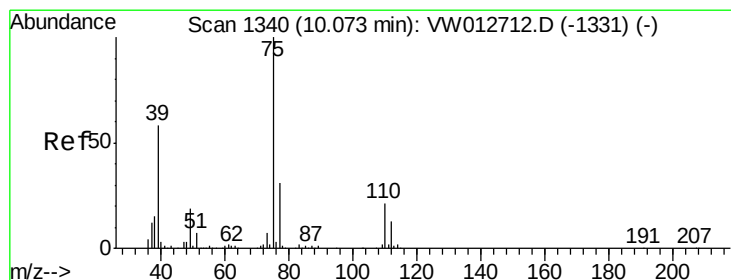
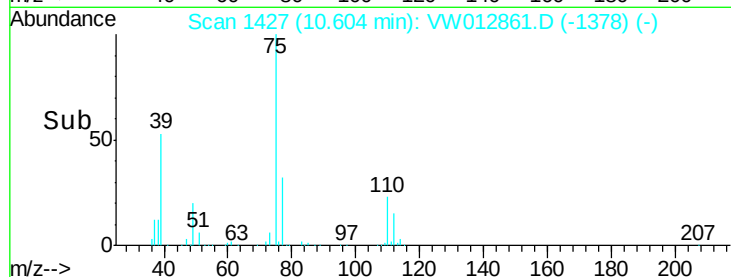
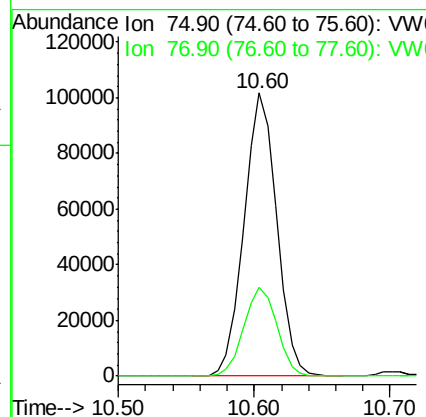
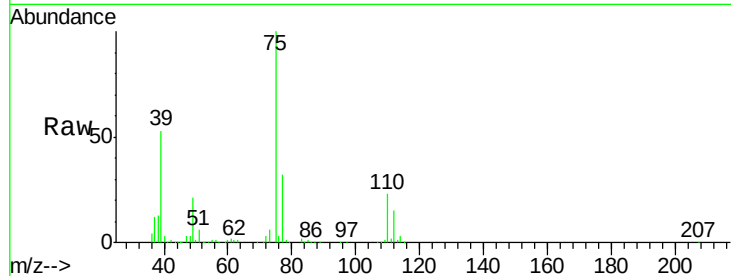
#53
t-1,3-Dichloropropene
Concen: 51.624 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 170925
Ion Ratio Lower Upper
75 100
77 31.5 24.7 37.1

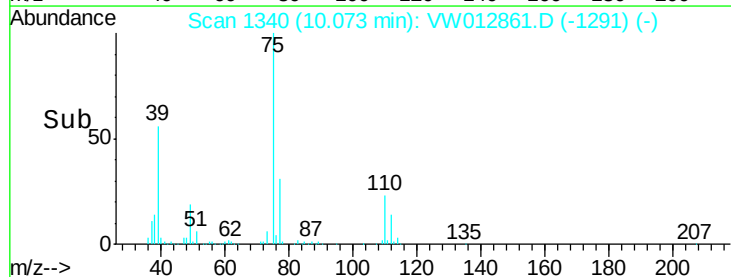
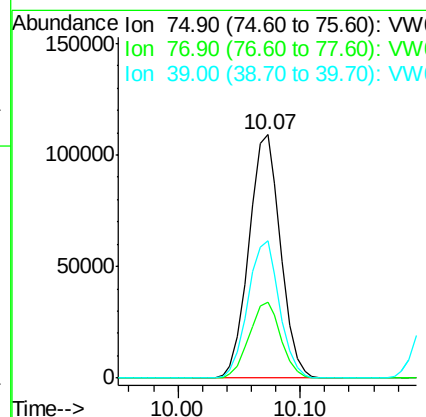
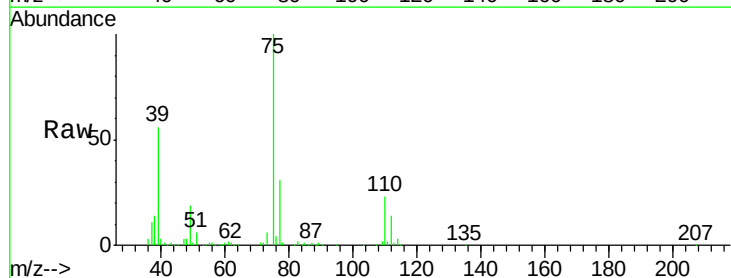
Manual Integrations
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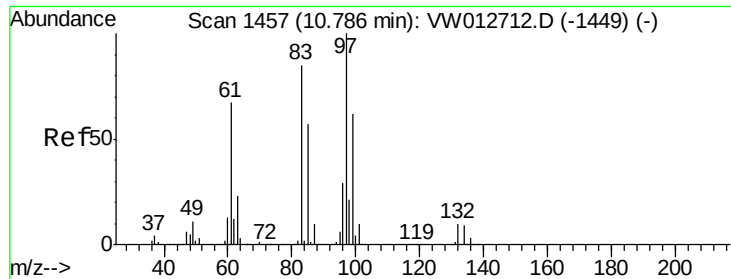
MMDadoda
9/11/2019 9:26:48 AM



#54
cis-1,3-Dichloropropene
Concen: 52.295 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion: 75 Resp: 196423
Ion Ratio Lower Upper
75 100
77 31.0 24.6 36.8
39 56.2 46.3 69.5





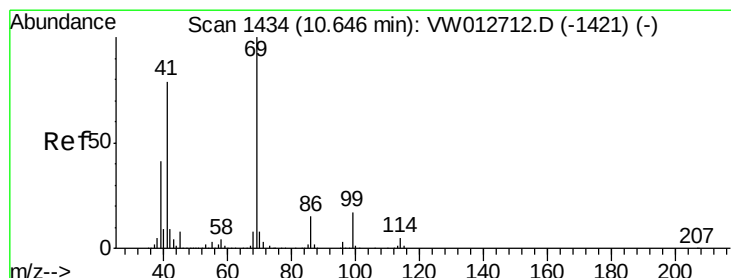
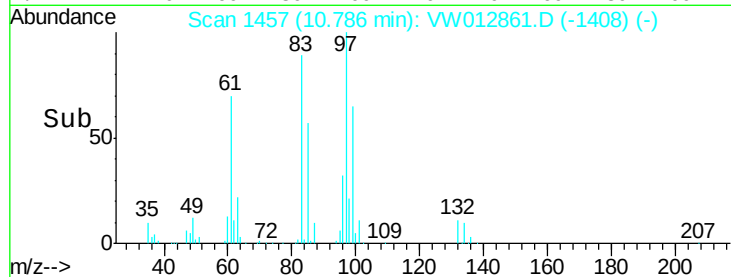
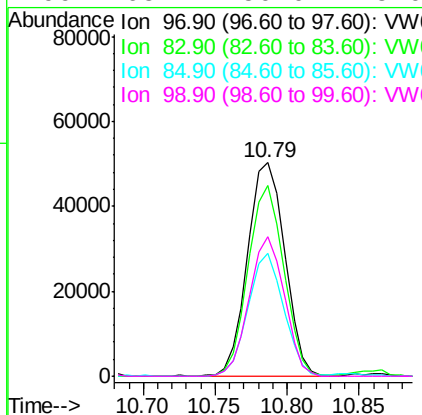
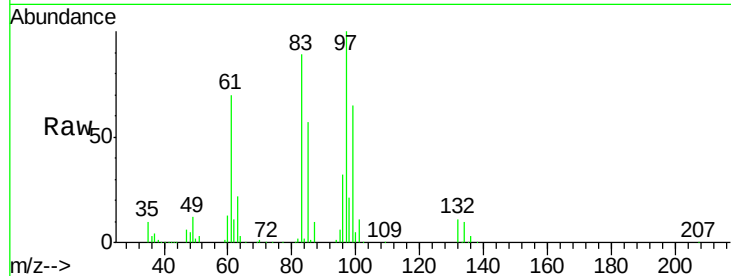
#55
 1,1,2-Trichloroethane
 Concen: 51.658 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	90514
Ion	Ratio	Lower	Upper
97	100		
83	89.1	68.1	102.1
85	57.4	45.3	67.9
99	65.2	50.0	75.0

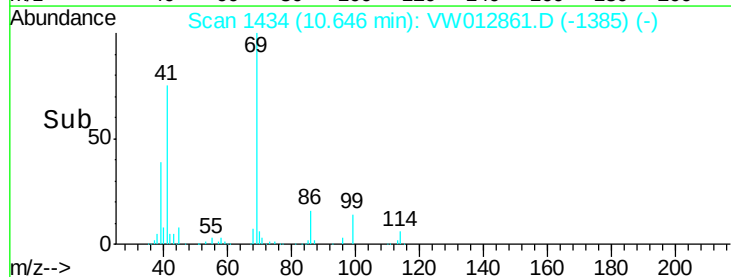
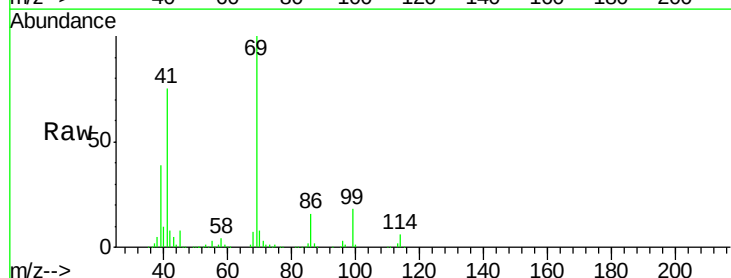
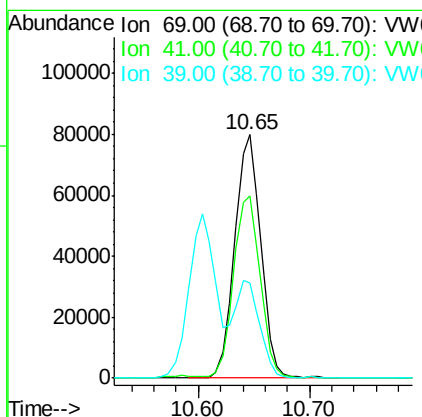
Manual Integrations
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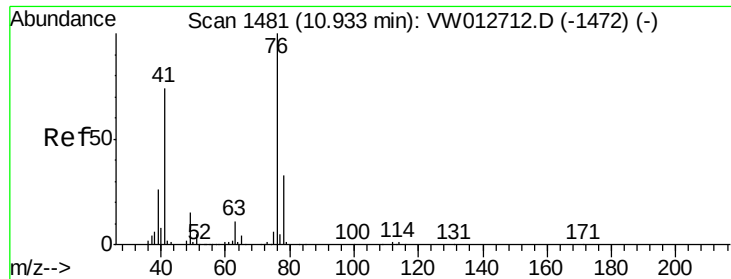
MMDadoda
 9/11/2019 9:26:48 AM



#56
 Ethyl methacrylate
 Concen: 50.458 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion:	69	Resp:	129417
Ion	Ratio	Lower	Upper
69	100		
41	76.1	64.4	96.6
39	35.6	31.1	46.7





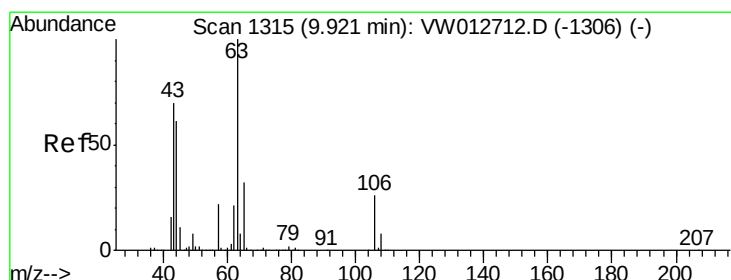
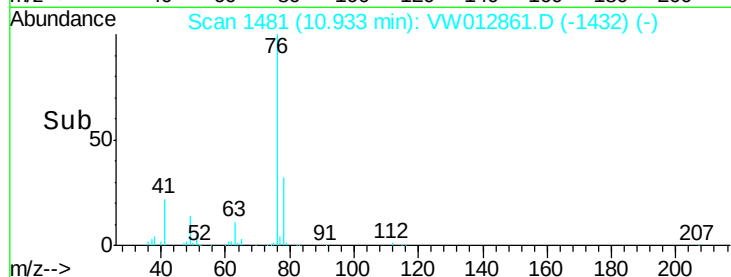
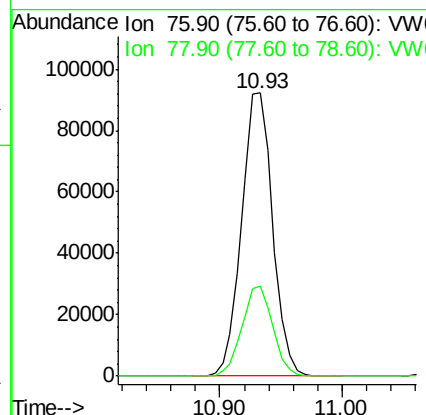
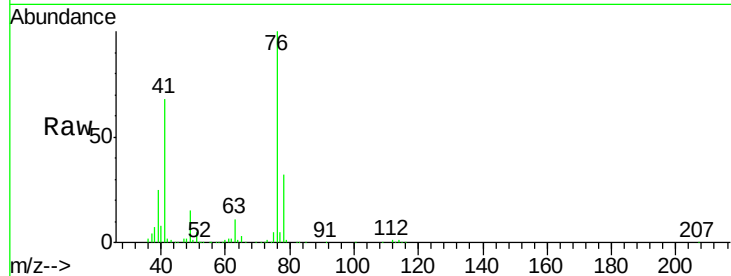
#57
 1,3-Dichloropropane
 Concen: 49.853 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 161597
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.9 38.9

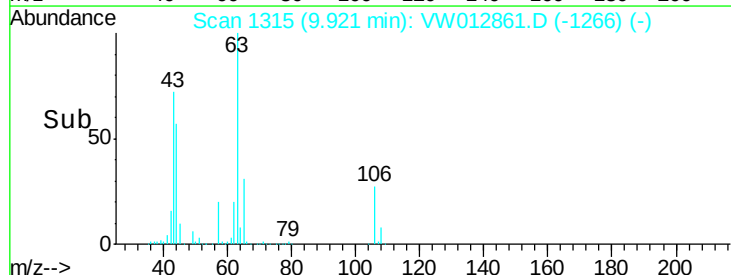
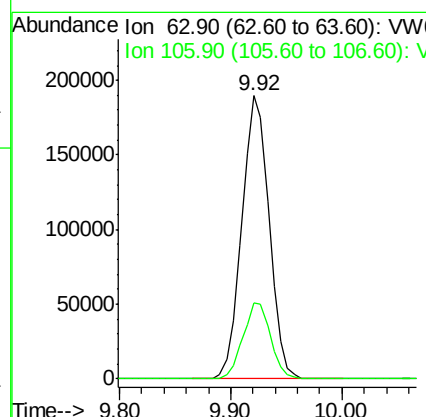
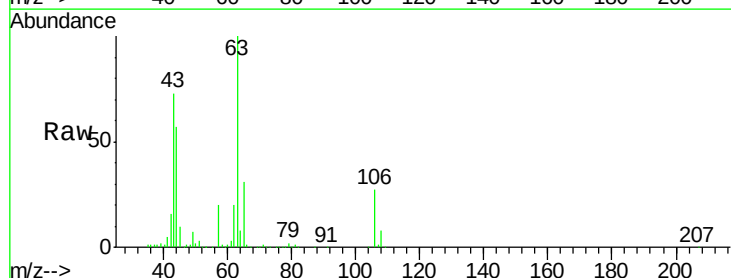
Manual Integrations
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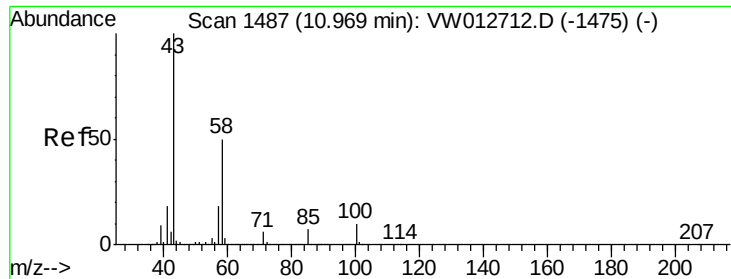
MMDadoda
 9/11/2019 9:26:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.399 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion: 63 Resp: 321887
 Ion Ratio Lower Upper
 63 100
 106 27.2 20.5 30.7





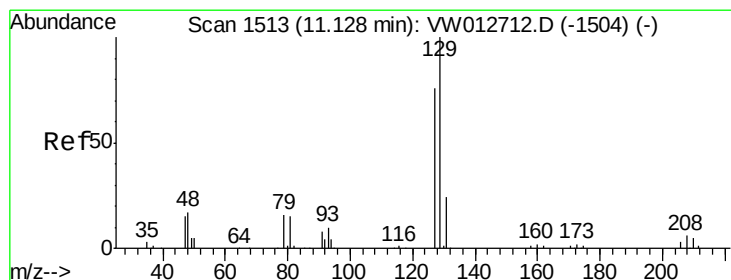
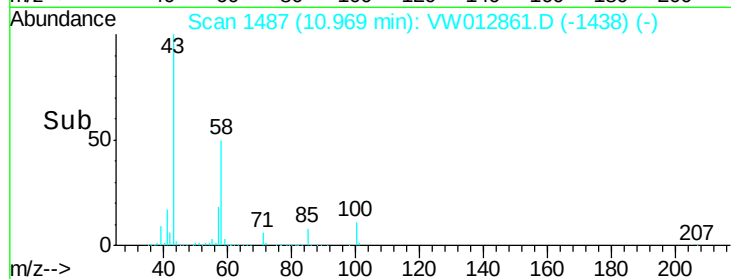
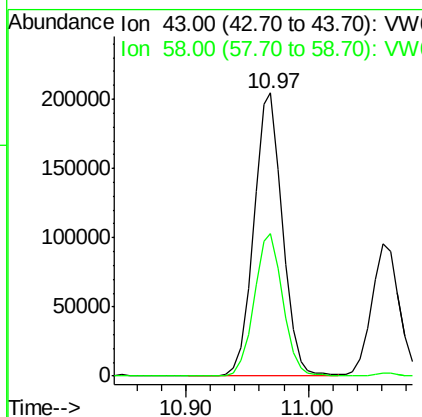
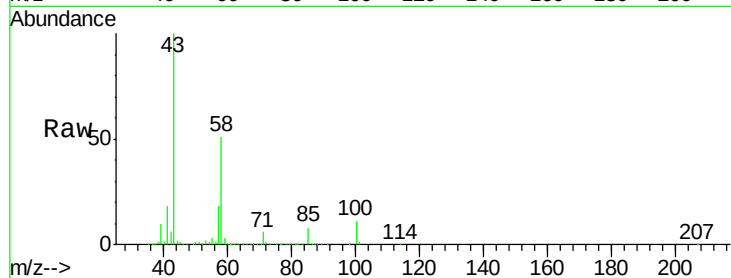
#59
2-Hexanone
Concen: 223.863 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 332892
Ion Ratio Lower Upper
43 100
58 50.5 24.7 74.1

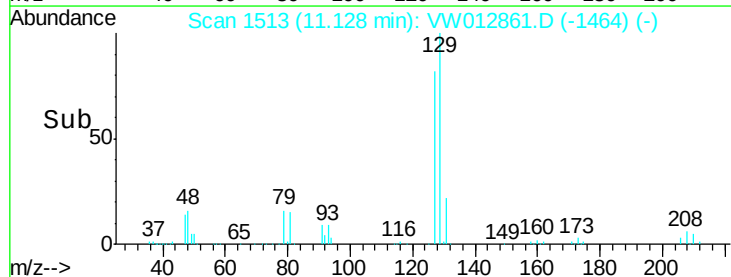
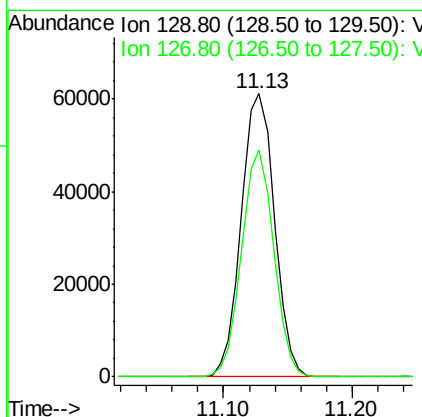
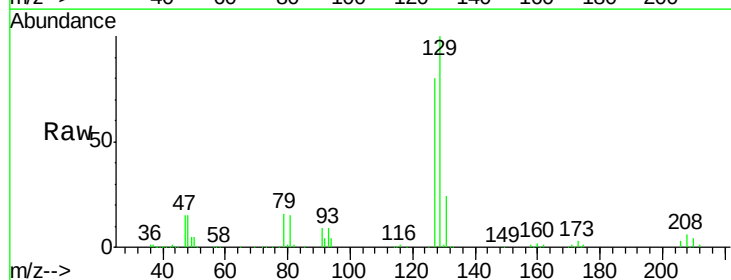
Manual Integrations
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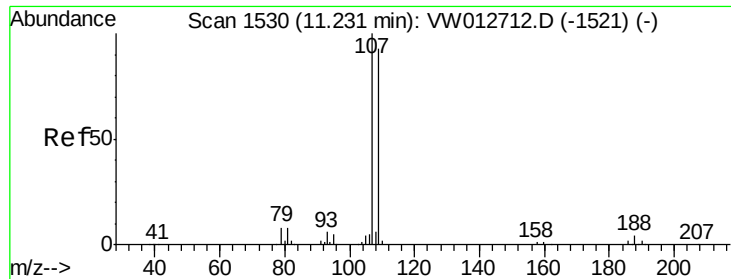
MMDadoda
9/11/2019 9:26:48 AM



#60
Dibromochloromethane
Concen: 53.047 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion: 129 Resp: 109314
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





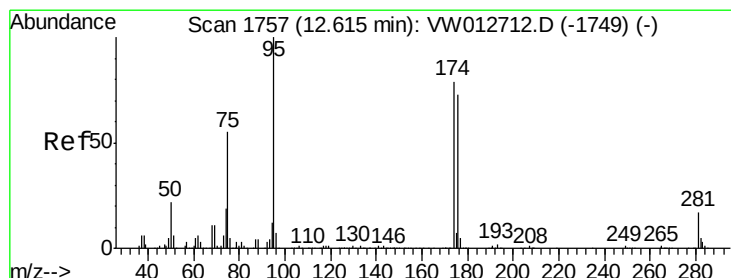
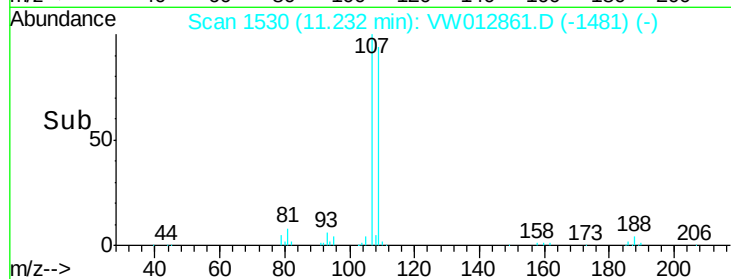
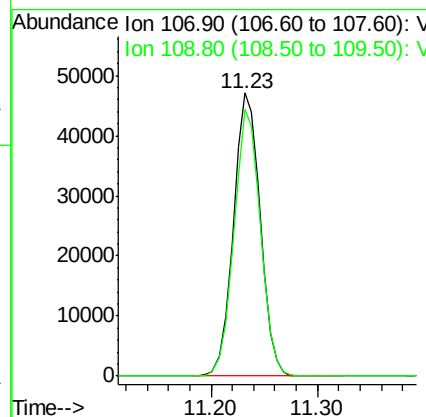
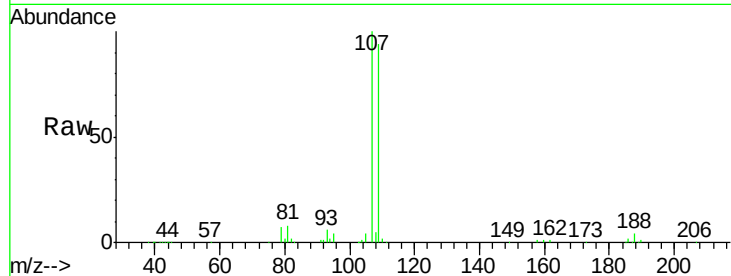
#61
 1,2-Dibromoethane
 Concen: 51.663 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.0	112.6

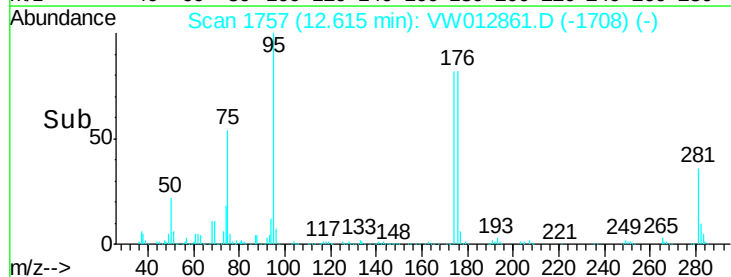
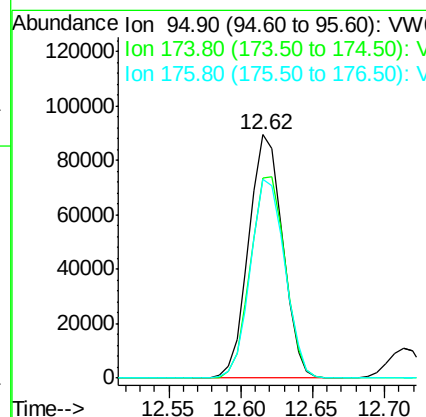
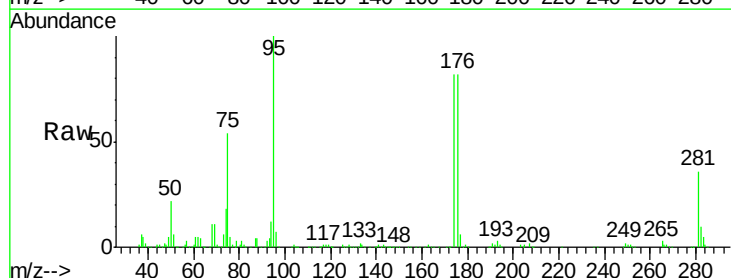
Manual Integrations
 APPROVED

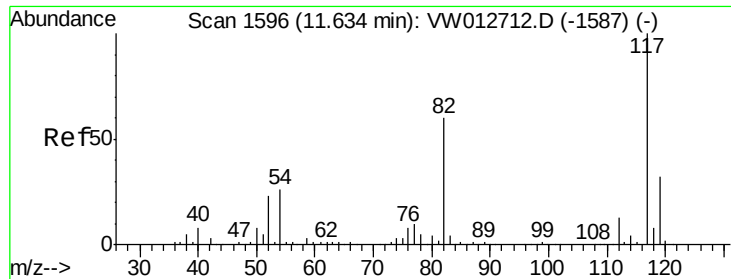
MMDadoda
 9/11/2019 9:26:48 AM



#62
 4-Bromofluorobenzene
 Concen: 47.649 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	161.0
176	82.5	0.0	156.4





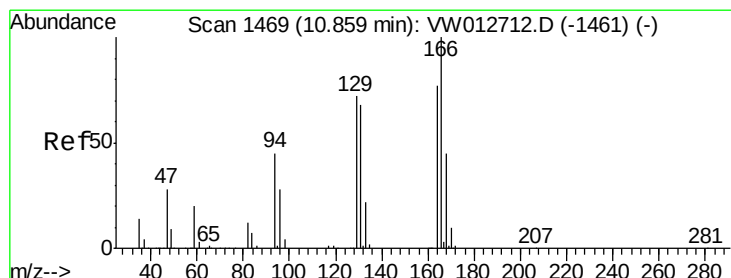
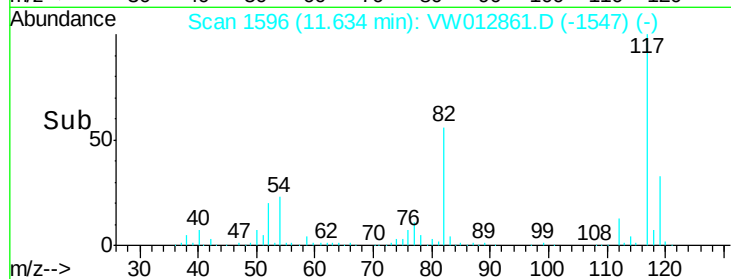
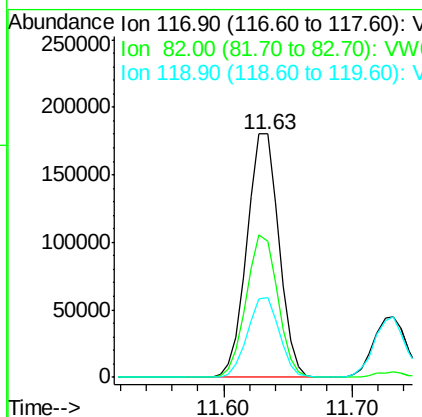
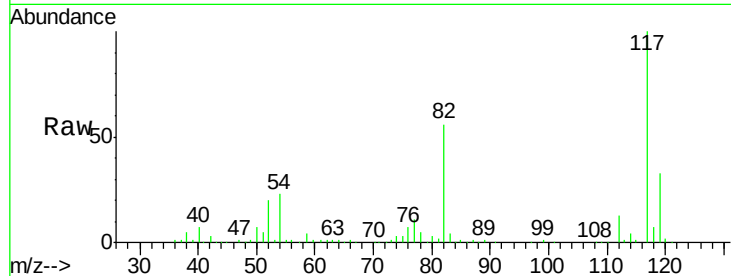
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	309225		
82	55.7	48.2	72.4	
119	32.8	25.8	38.6	

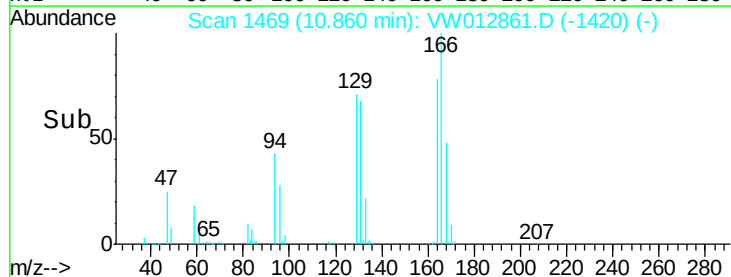
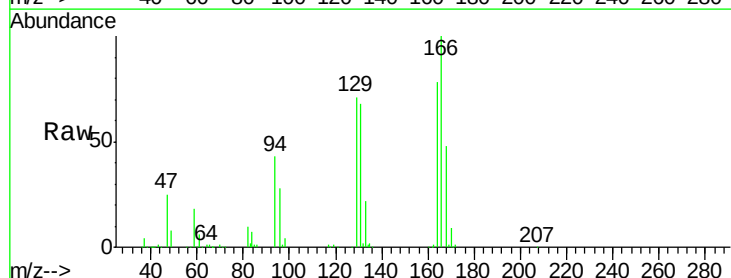
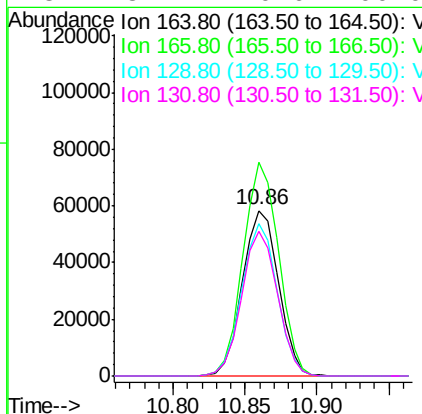
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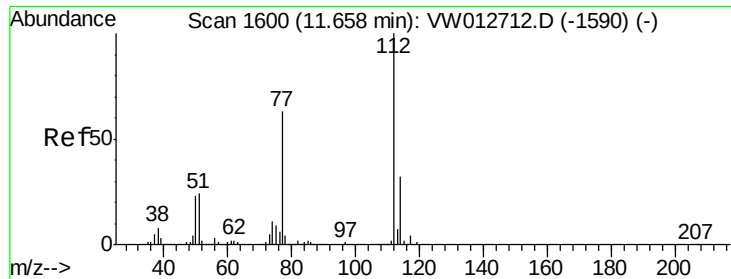
MMDadoda
9/11/2019 9:26:48 AM



#64
Tetrachloroethene
Concen: 53.816 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	100976		
166	128.9	103.6	155.4	
129	91.7	74.6	112.0	
131	87.1	70.6	106.0	





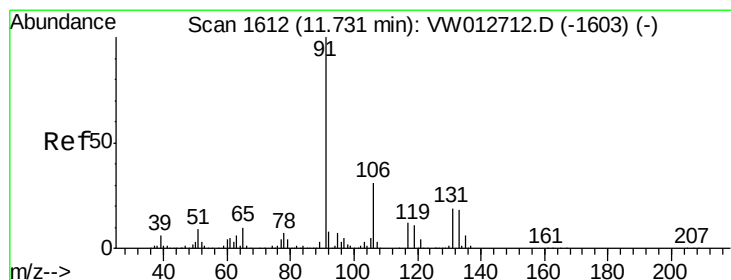
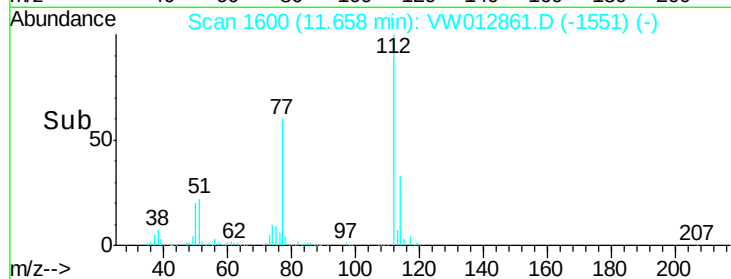
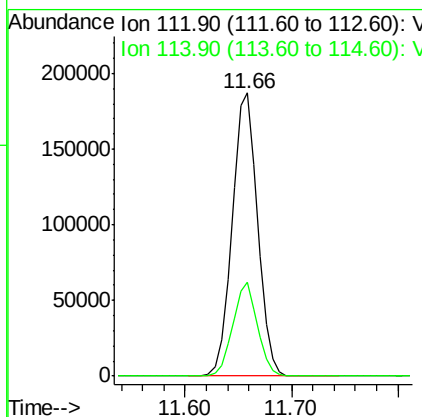
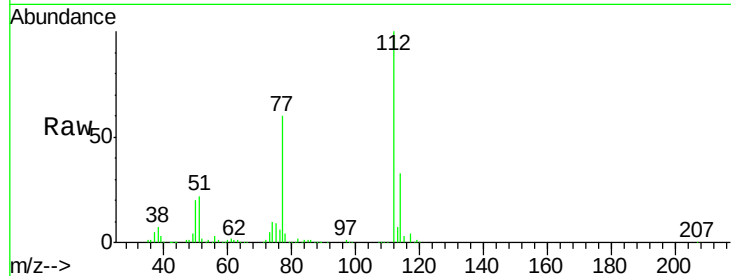
#65
Chlorobenzene
Concen: 53.562 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	25.3	37.9

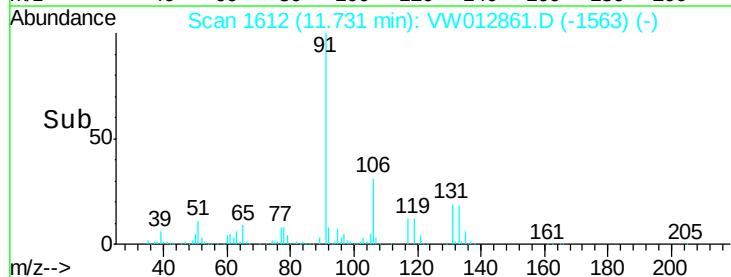
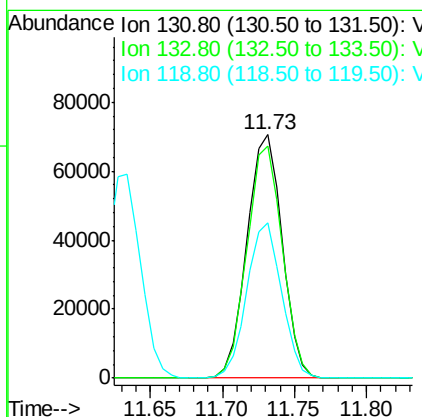
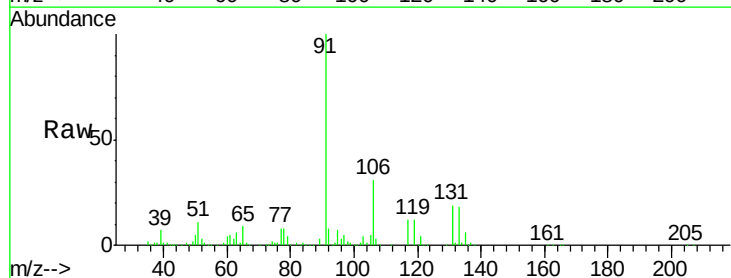
Manual Integrations
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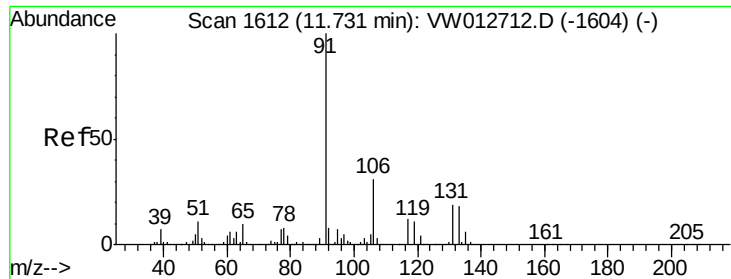
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.700 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.6	142.8
119	62.9	30.6	92.0





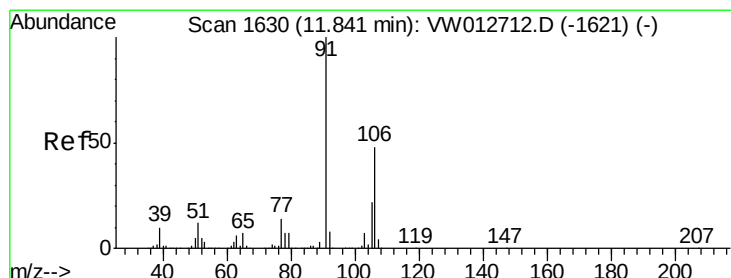
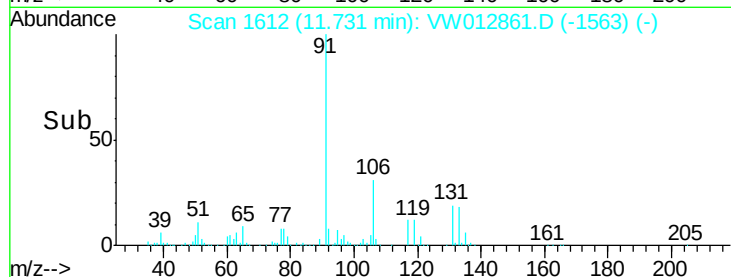
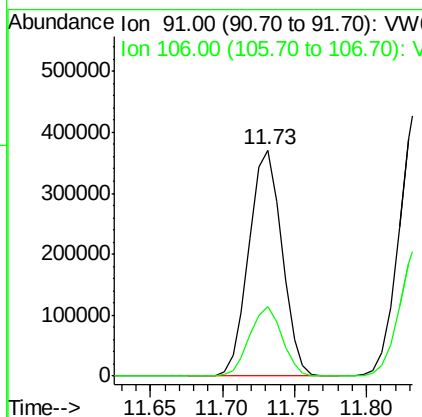
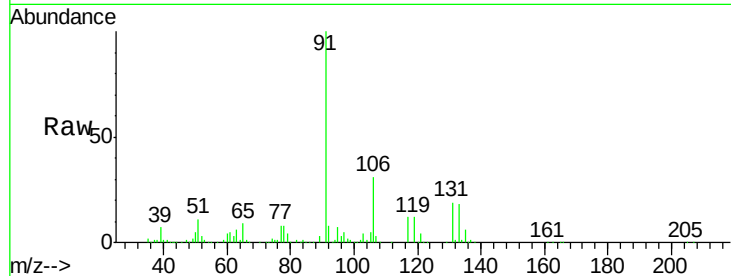
#67
Ethyl Benzene
Concen: 53.843 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 590415
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6

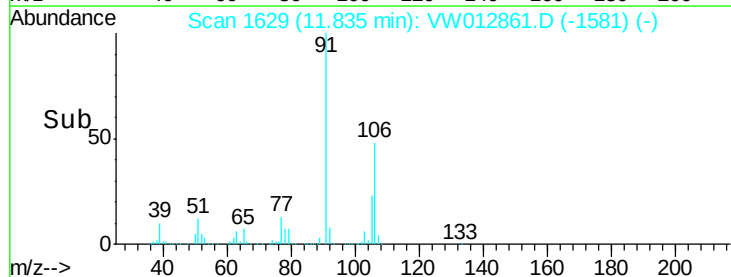
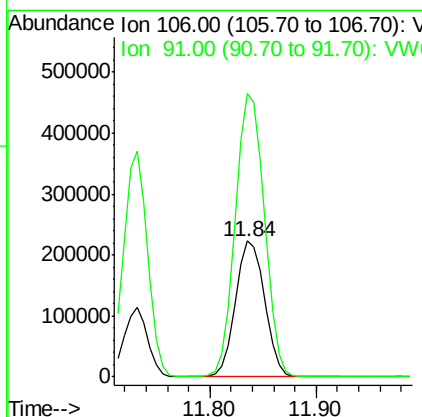
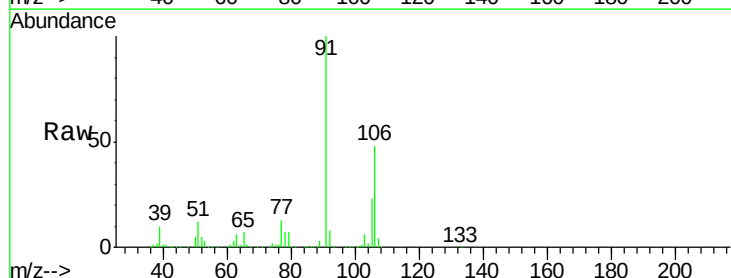
Manual Integrations
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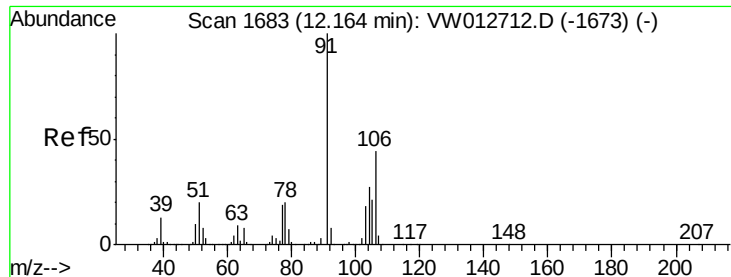
MMDadoda
9/11/2019 9:26:48 AM



#68
m/p-Xylenes
Concen: 108.253 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion: 106 Resp: 428475
Ion Ratio Lower Upper
106 100
91 208.9 168.2 252.4





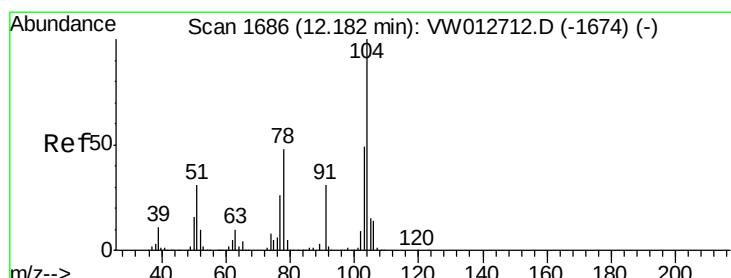
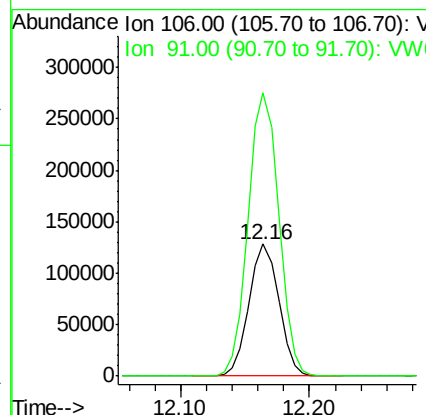
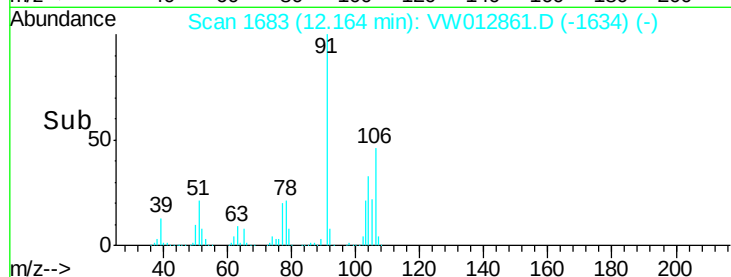
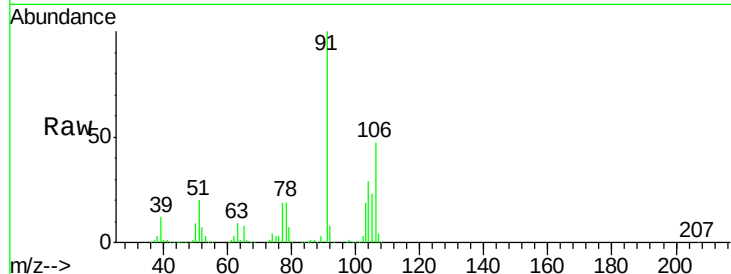
#69
o-Xylene
Concen: 54.920 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.0	112.3	336.8

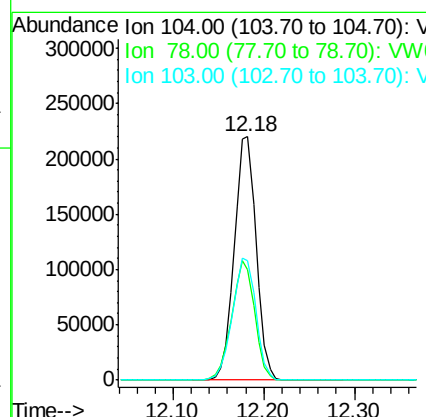
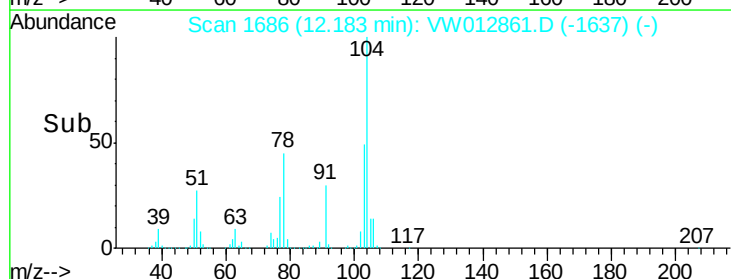
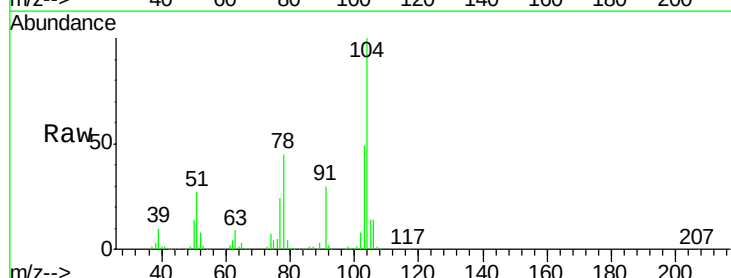
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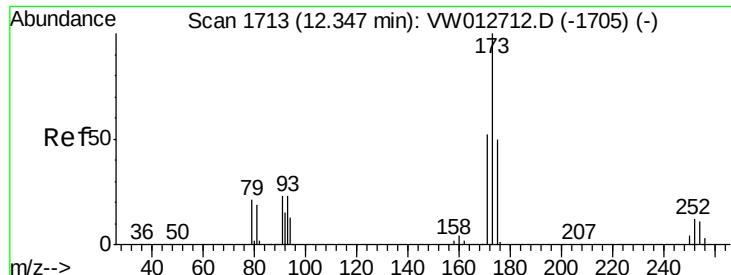
MMDadoda
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#70
Styrene
Concen: 55.782 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.5	43.3	64.9
103	53.8	44.0	66.0





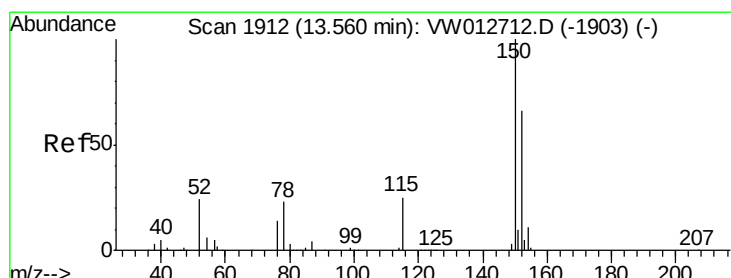
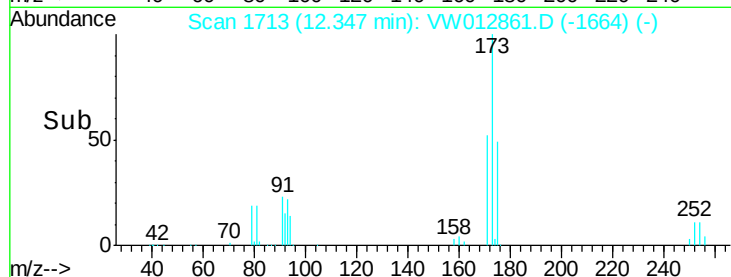
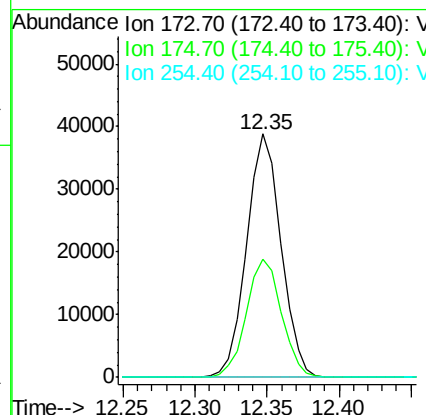
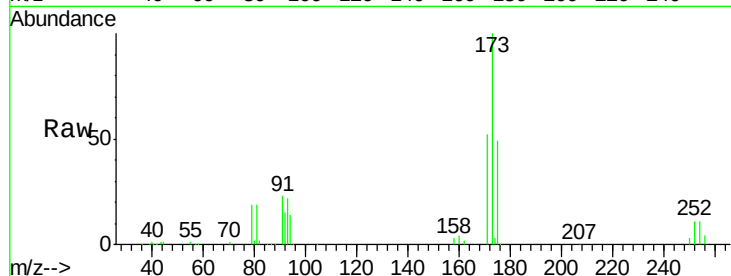
#71
Bromoform
Concen: 52.948 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.8	74.3
254	0.0	0.1	0.1

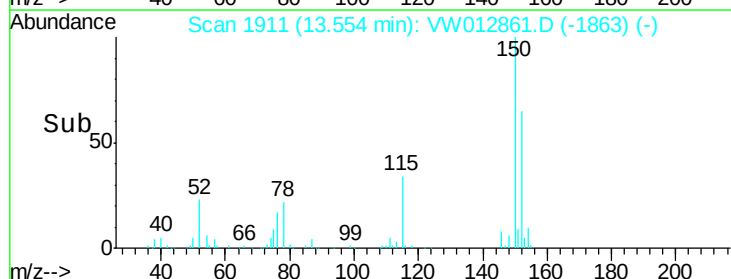
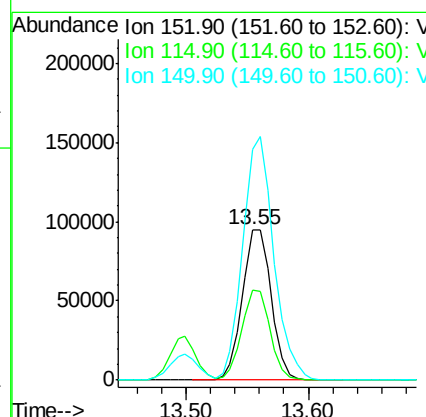
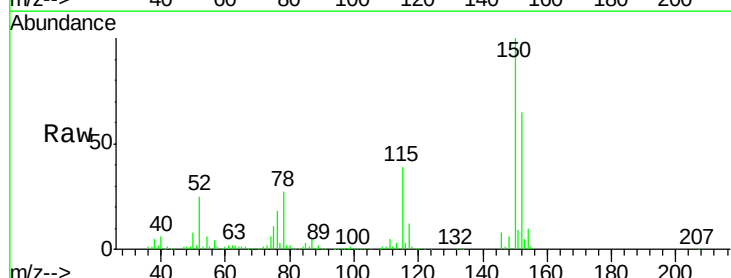
Manual Integrations
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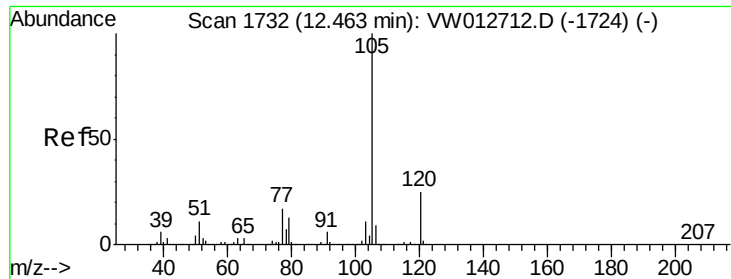
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	30.0	90.1
150	174.1	0.0	349.0





#73

Isopropylbenzene

Concen: 53.526 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 595057

Ion Ratio Lower Upper

105 100

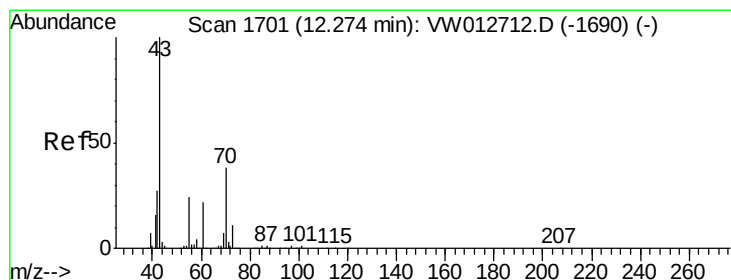
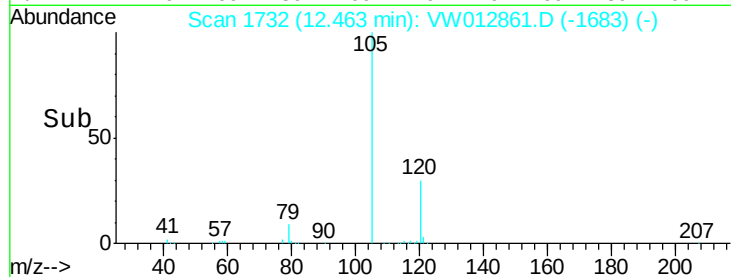
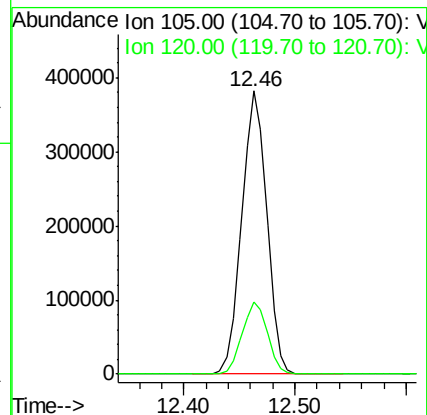
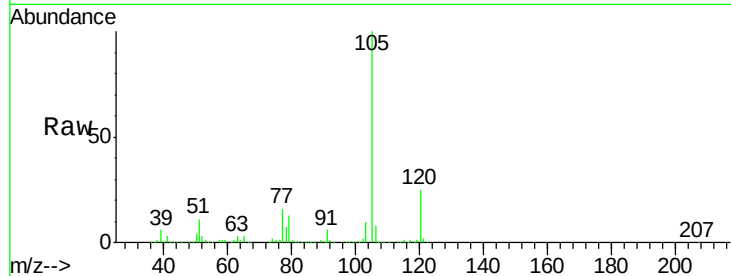
120 25.7 13.0 38.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.347 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Tgt Ion: 43 Resp: 163550

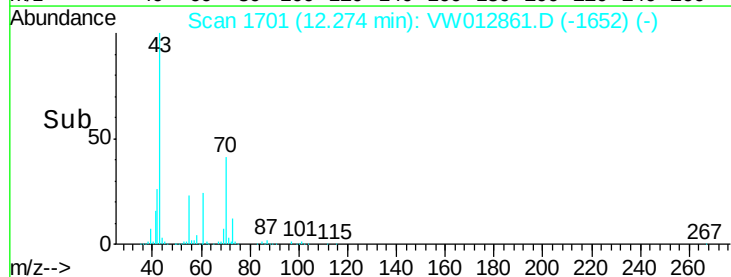
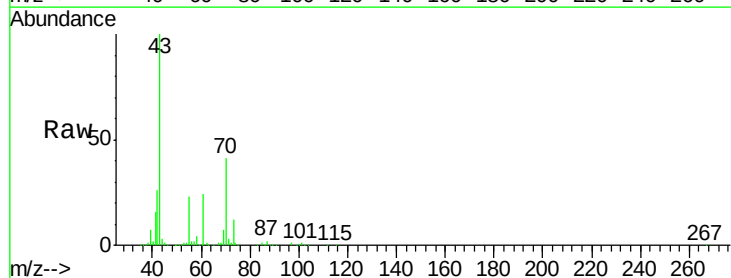
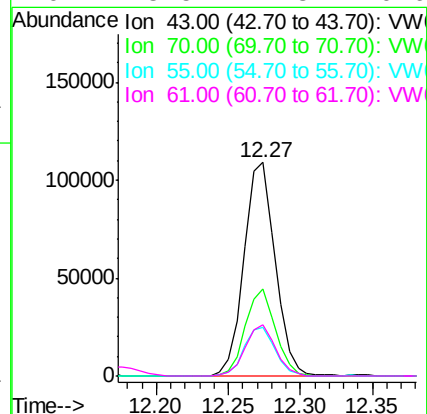
Ion Ratio Lower Upper

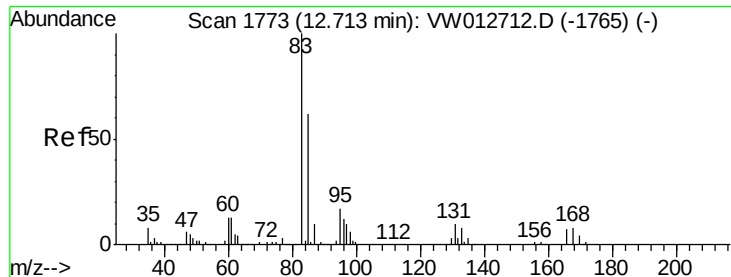
43 100

70 39.1 29.4 44.0

55 22.8 18.6 27.8

61 23.5 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.501 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

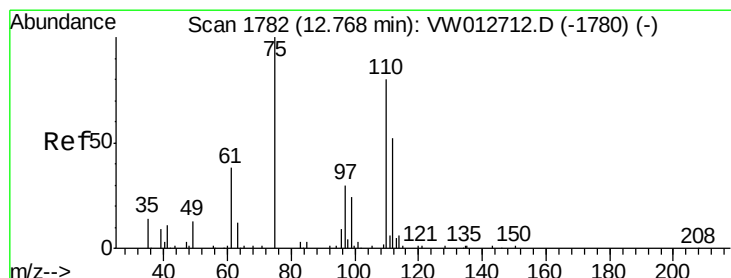
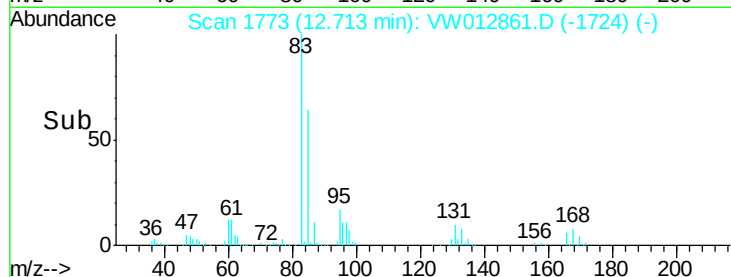
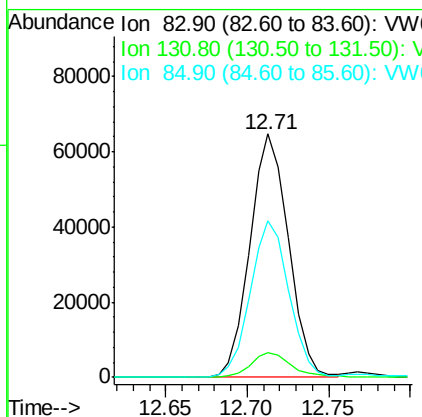
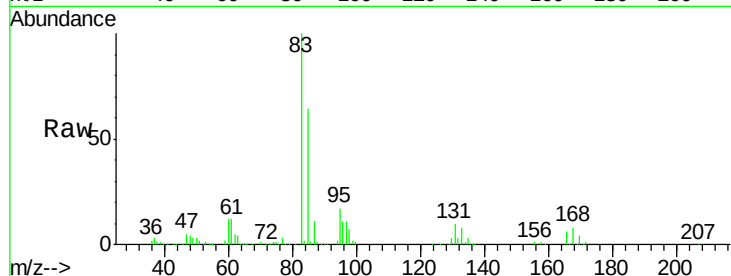
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	106054
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.4
85	64.5	31.4	94.2

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#76

1,2,3-Trichloropropane

Concen: 44.332 ug/l m

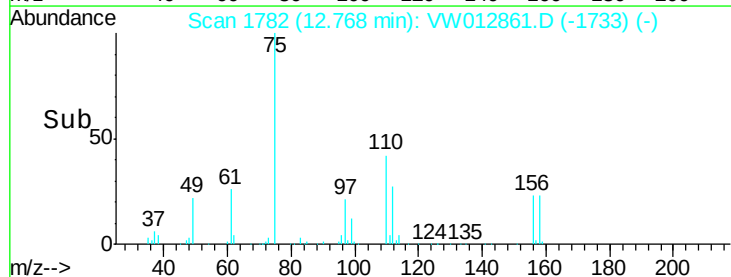
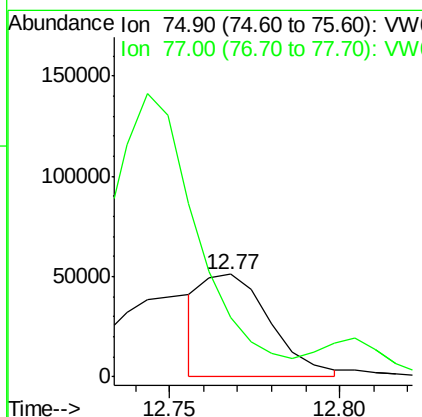
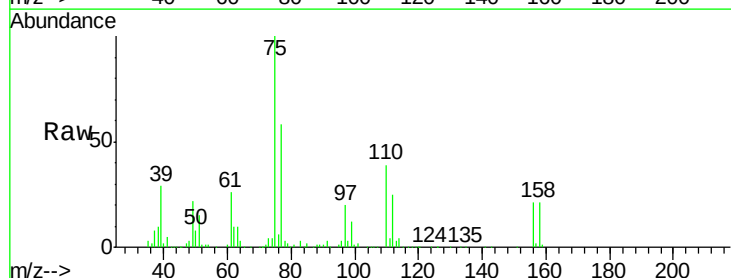
RT: 12.77 min Scan# 1782

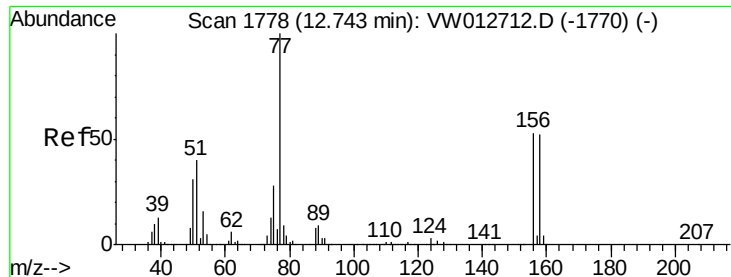
Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Tgt Ion:	75	Resp:	70265
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.450 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

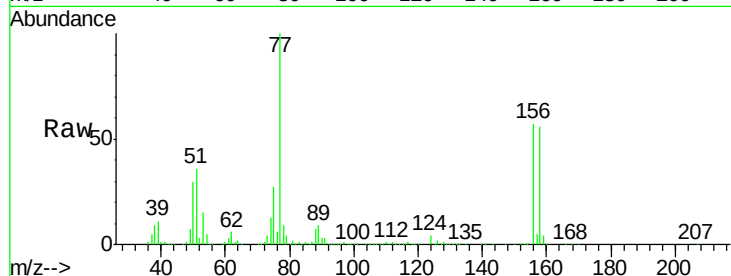
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	134624
Ion Ratio	Lower	Upper	
156	100		
77	191.5	102.3	306.9
158	98.1	48.9	146.8

Manual Integrations
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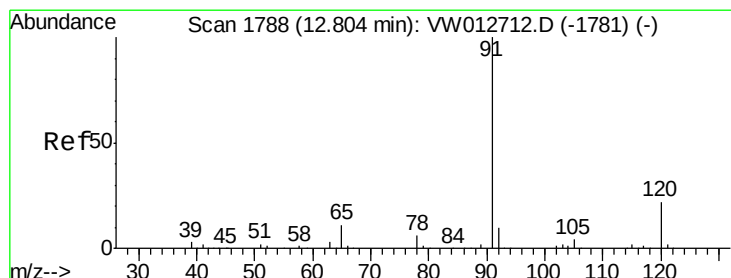
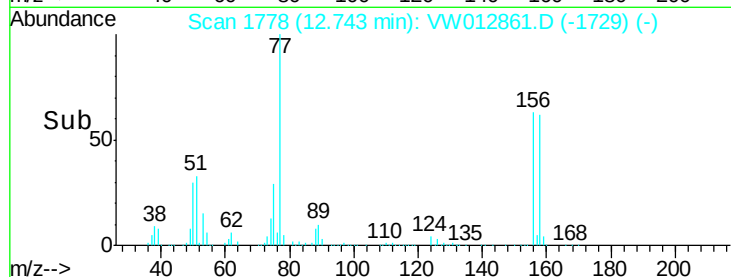
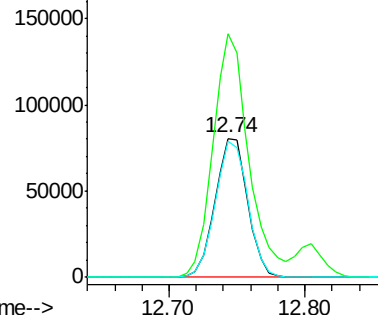
MMDadoda
9/11/2019 9:26:48 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.844 ug/l

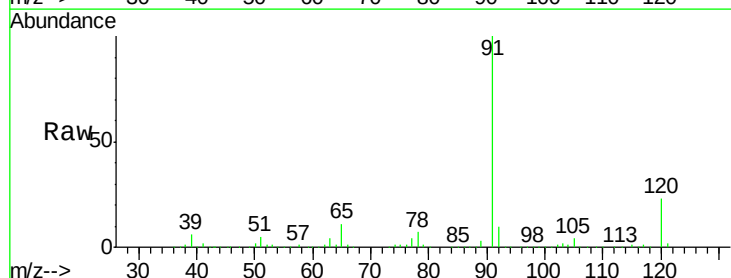
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012861.D

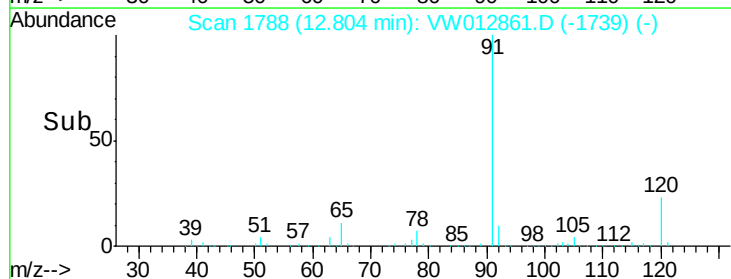
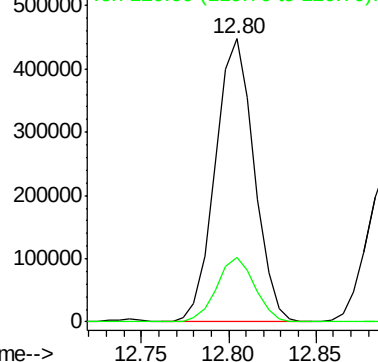
Acq: 10 Sep 2019 10:52

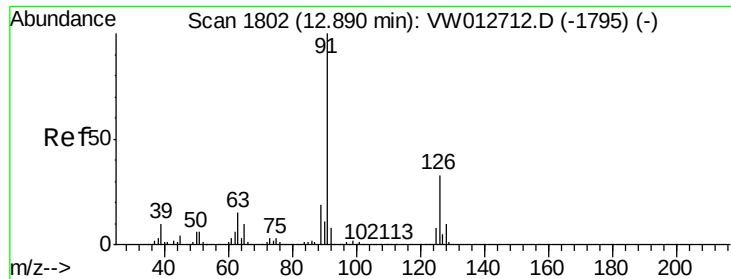
Tgt Ion:	91	Resp:	689332
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.871 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 395928

Ion Ratio Lower Upper

91 100

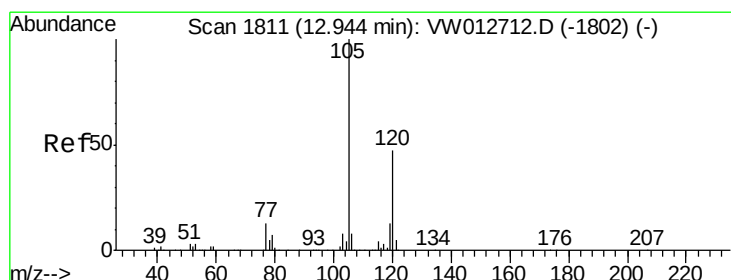
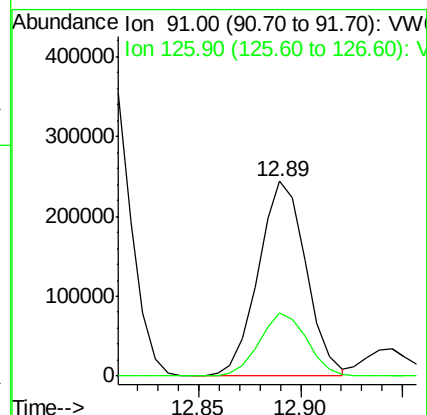
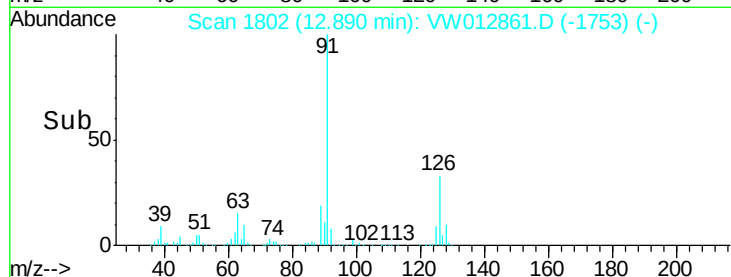
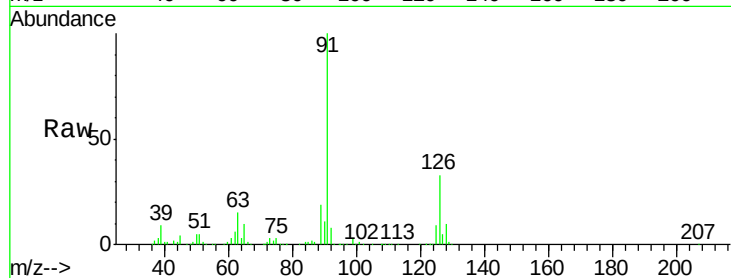
126 32.5 16.1 48.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.148 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012861.D

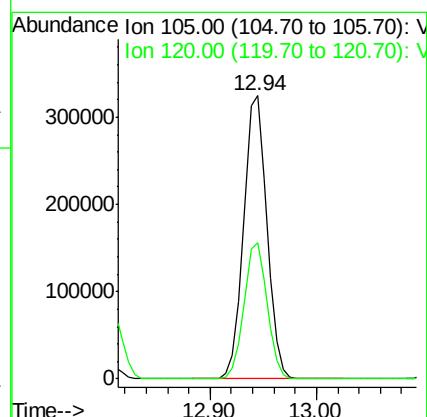
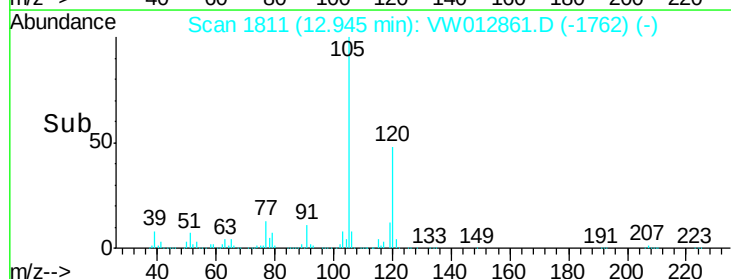
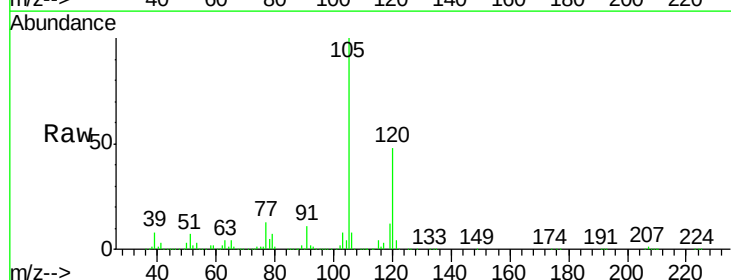
Acq: 10 Sep 2019 10:52

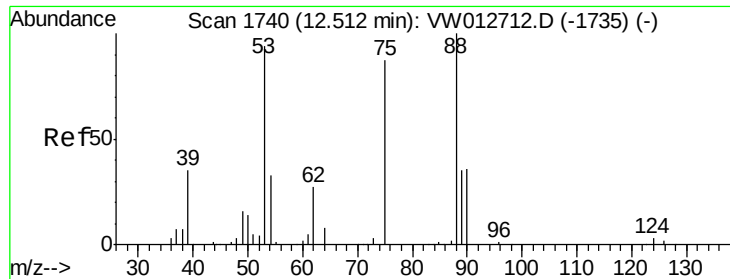
Tgt Ion: 105 Resp: 497881

Ion Ratio Lower Upper

105 100

120 48.1 23.9 71.8





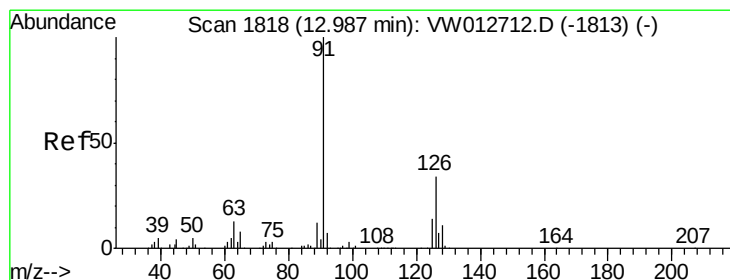
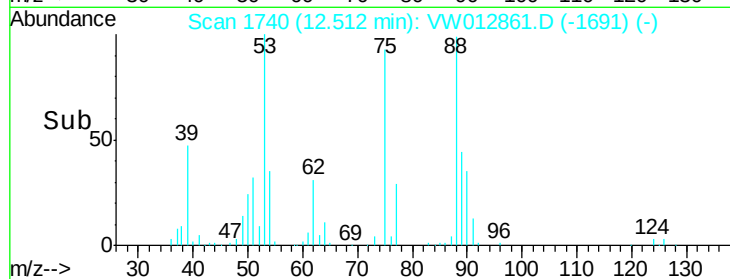
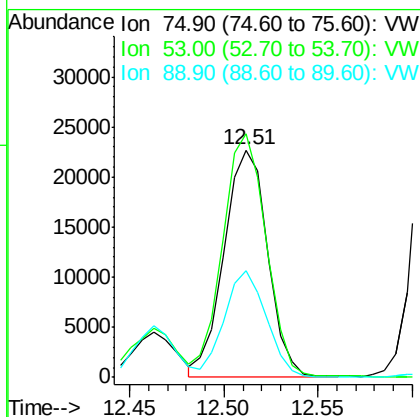
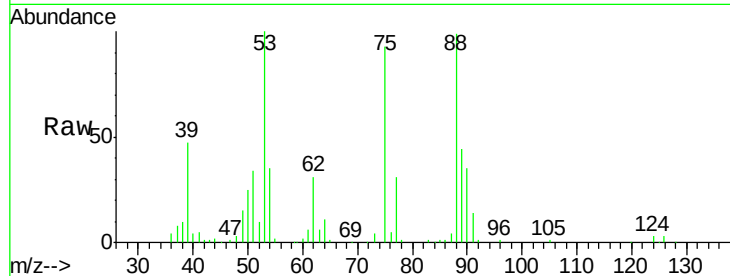
#81
trans-1,4-Dichloro-2-butene
Concen: 48.699 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.3	87.6	131.4
89	44.9	35.5	53.3

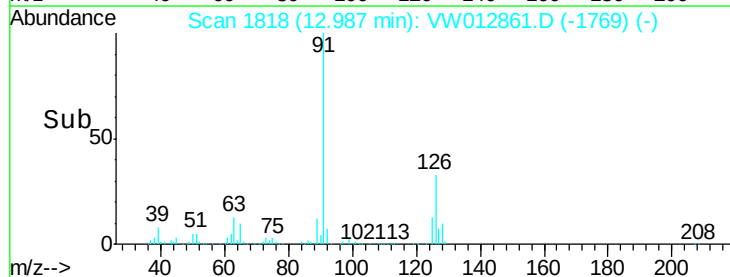
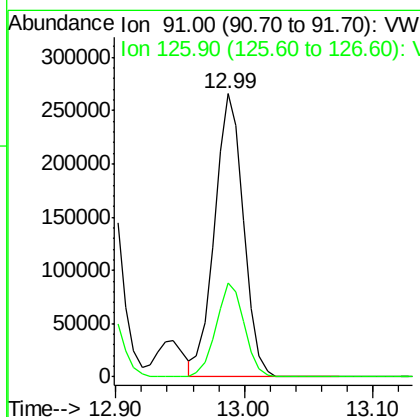
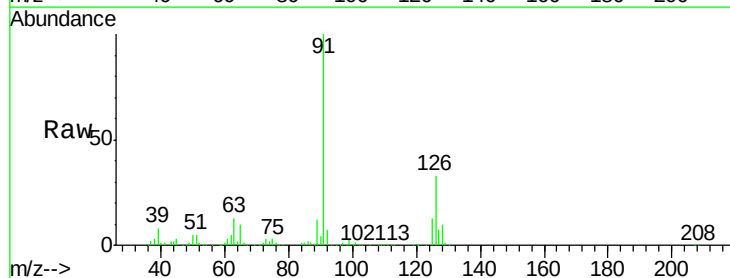
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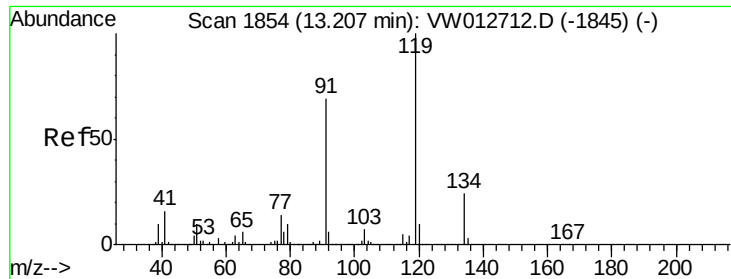
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#82
4-Chlorotoluene
Concen: 51.867 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.9	47.6





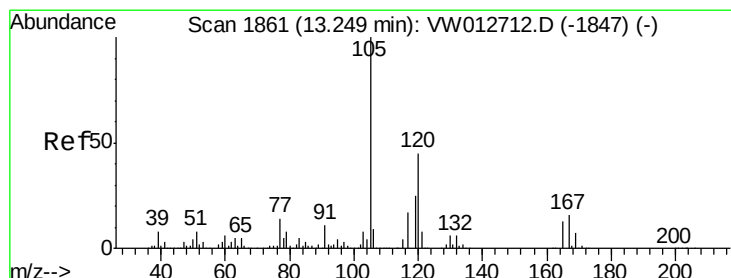
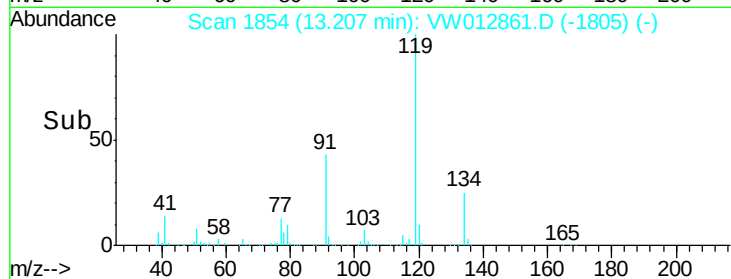
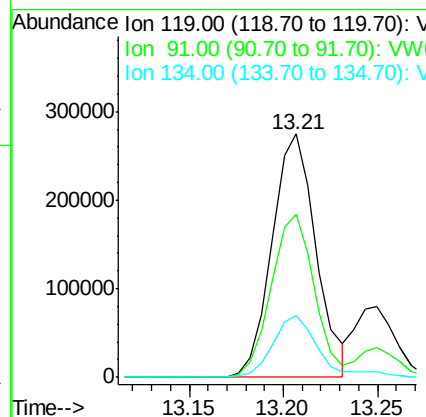
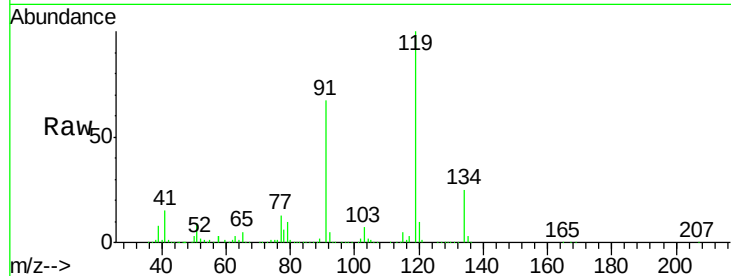
#83
tert-Butylbenzene
Concen: 53.629 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	34.2	102.5
134	26.5	12.3	36.9

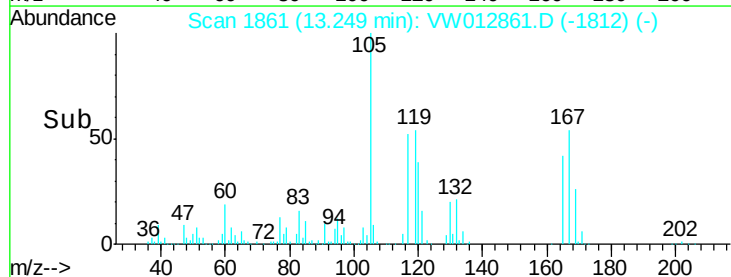
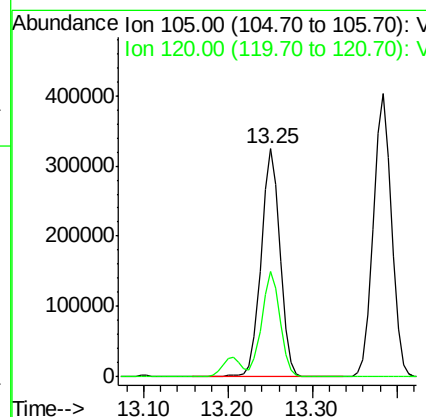
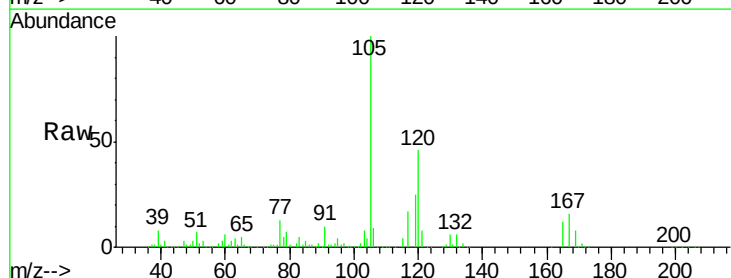
Manual Integrations
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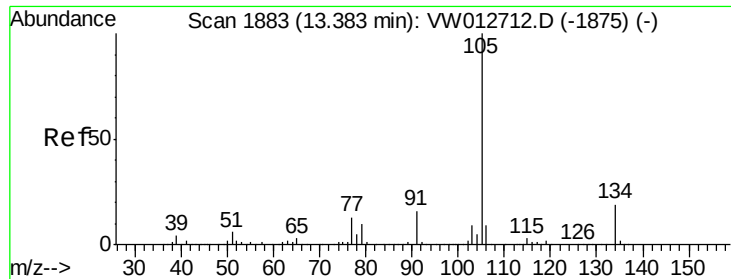
MMDadoda
9/11/2019 9:26:48 AM



#84
1,2,4-Trimethylbenzene
Concen: 52.782 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.3





#85

sec-Butylbenzene

Concen: 52.665 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 605331

Ion Ratio Lower Upper

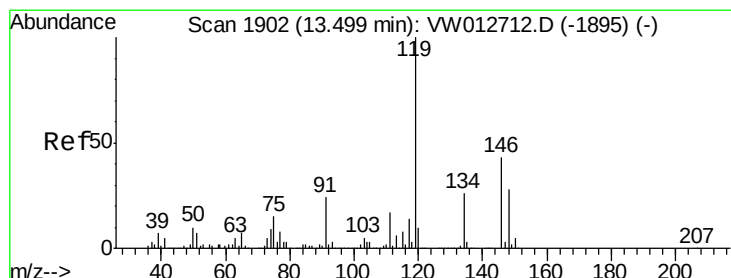
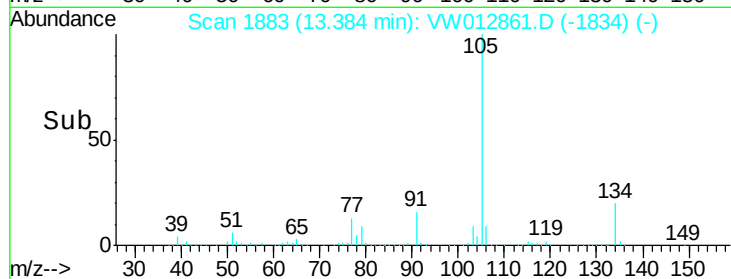
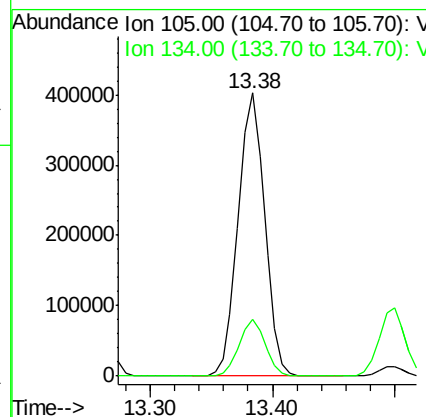
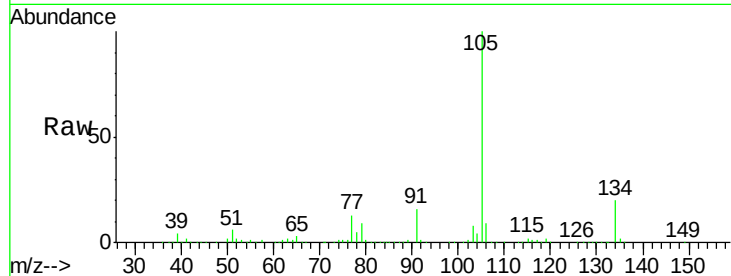
105 100

134 19.8 9.8 29.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 53.087 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

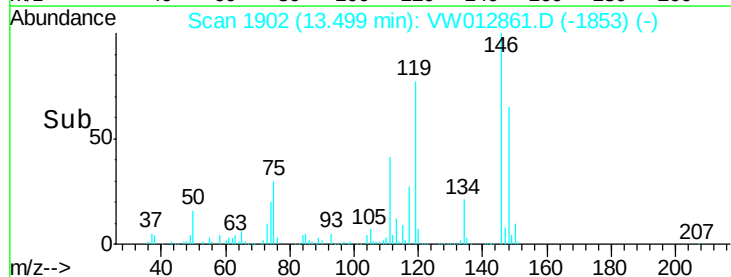
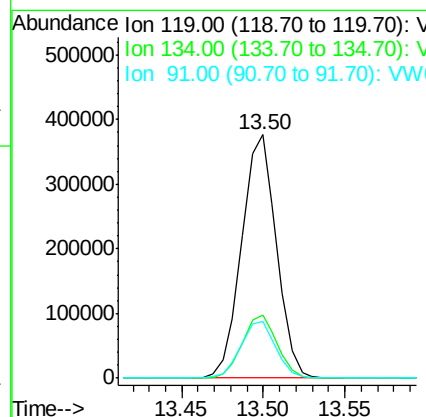
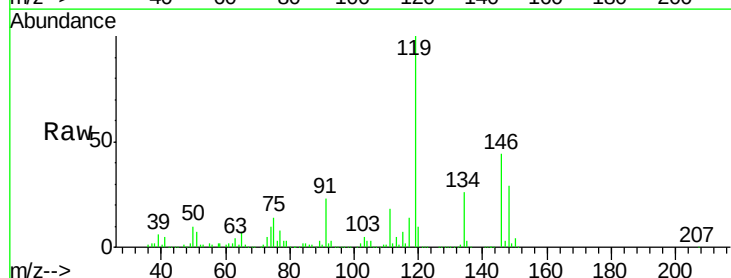
Tgt Ion:119 Resp: 557349

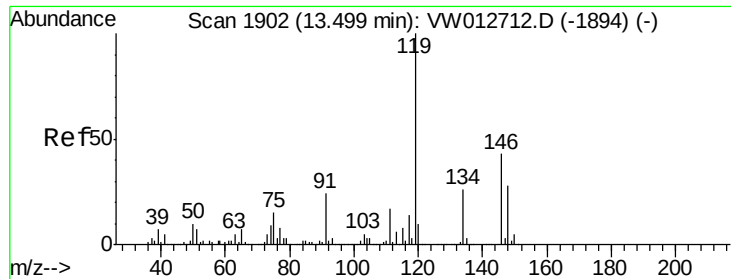
Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

91 23.4 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 53.396 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

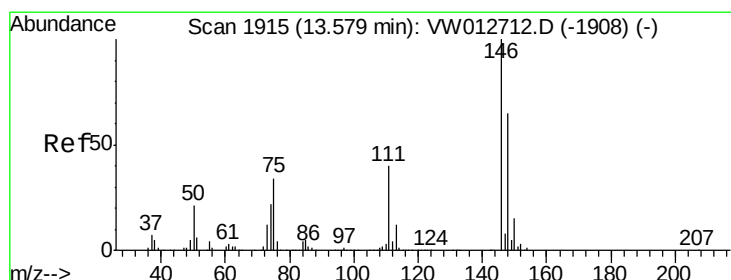
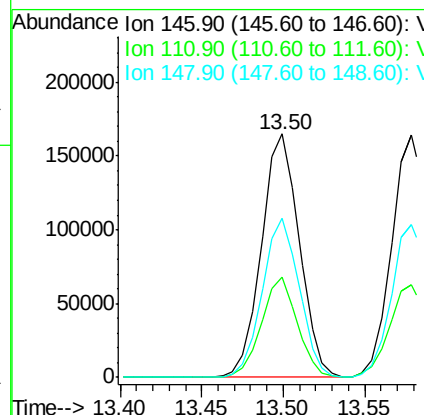
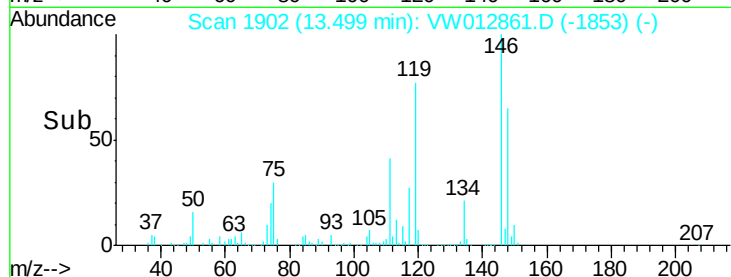
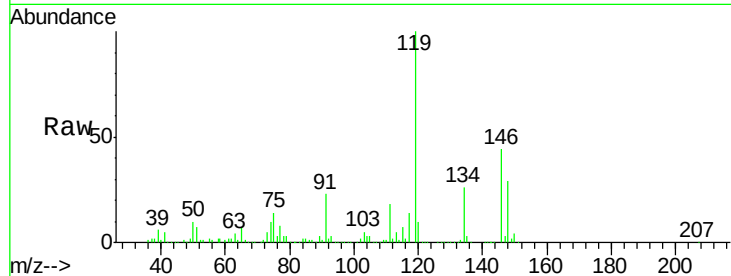
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	264345		
111	39.2	20.4	61.2	
148	64.0	31.8	95.4	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.815 ug/l

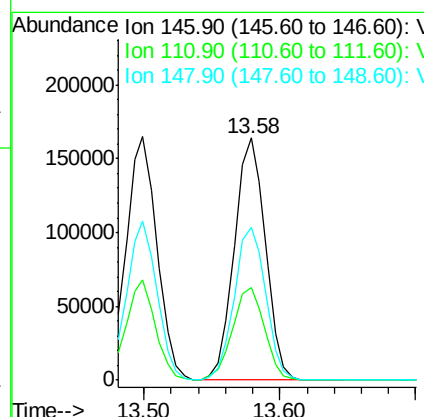
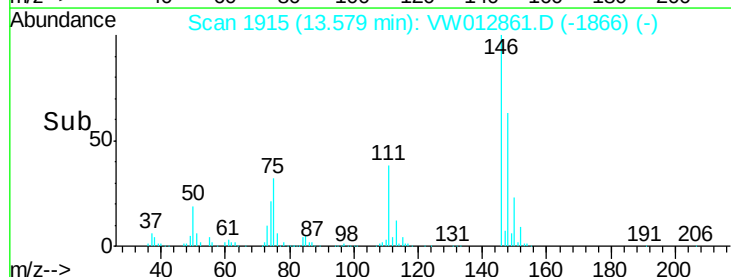
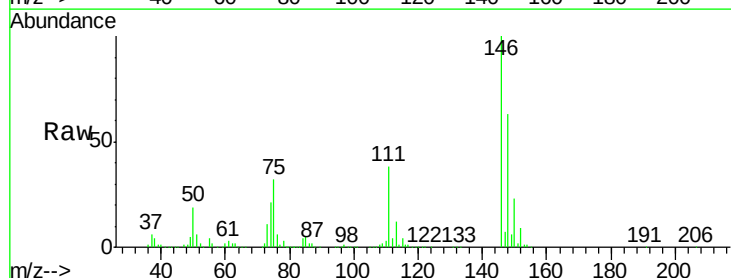
RT: 13.58 min Scan# 1915

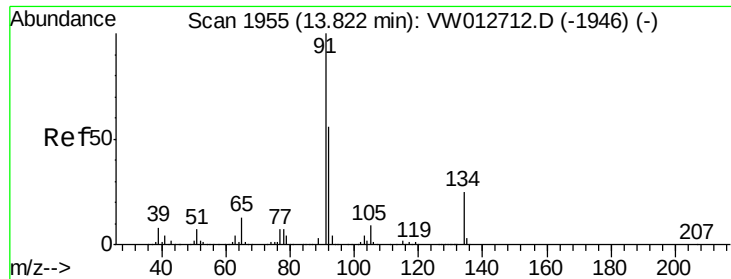
Delta R.T. 0.00 min

Lab File: VW012861.D

Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	260179		
111	39.3	20.0	60.0	
148	64.2	32.2	96.6	





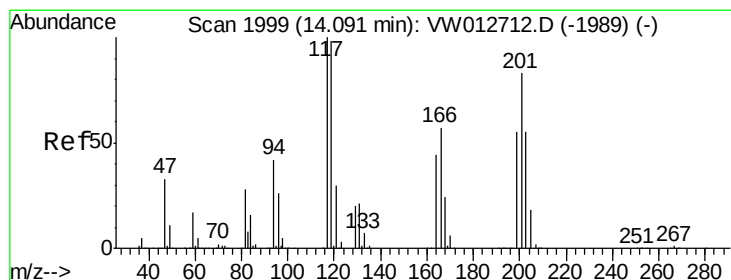
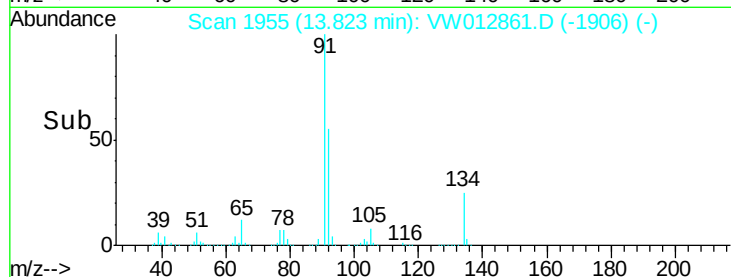
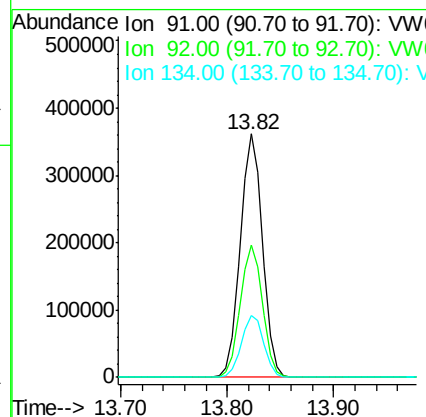
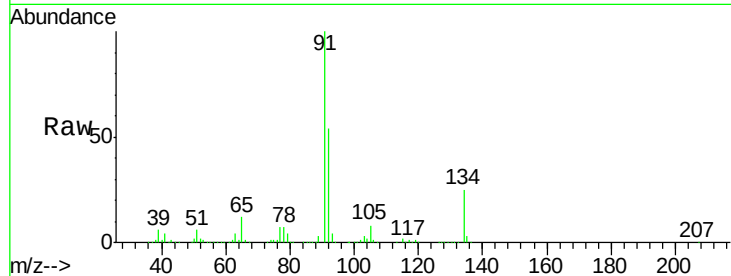
#89
n-Butylbenzene
Concen: 52.057 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.6	27.2	81.5	
134	25.7	12.7	38.1	

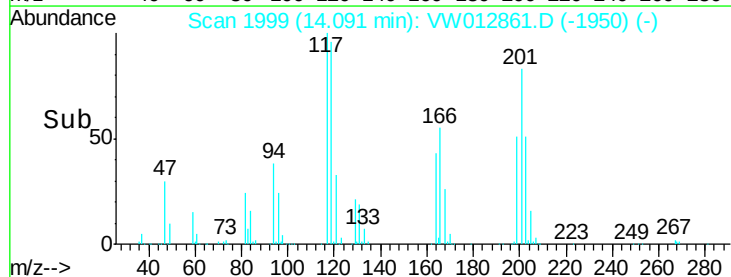
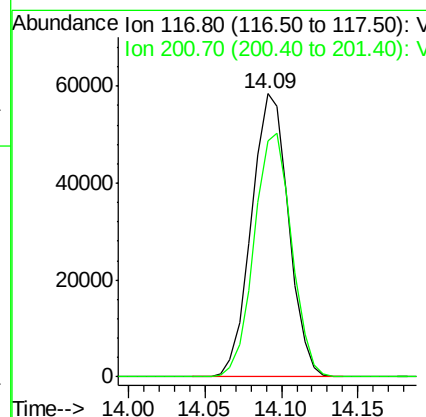
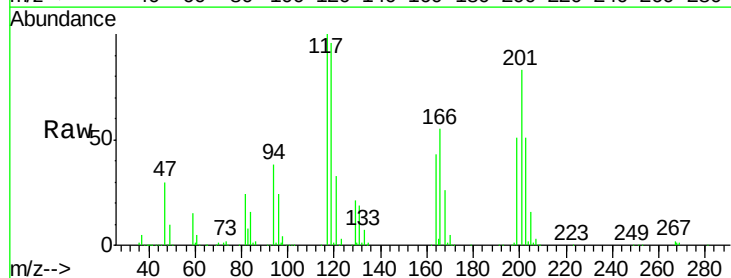
Manual Integrations
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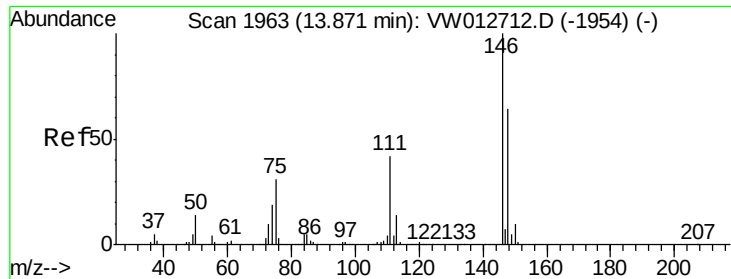
MMDadoda
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#90
Hexachloroethane
Concen: 53.933 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	86.7	42.8	128.4	





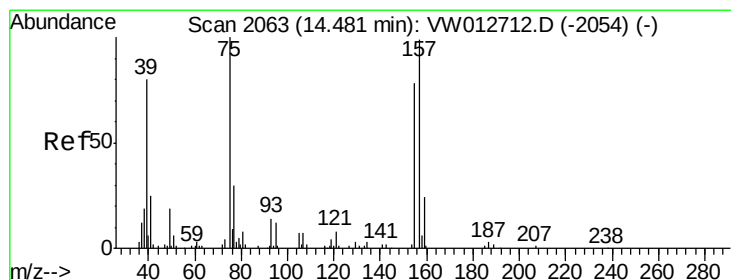
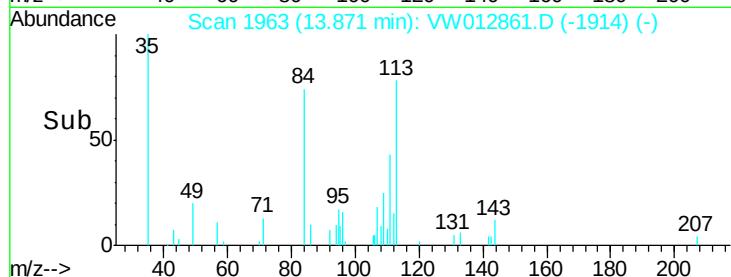
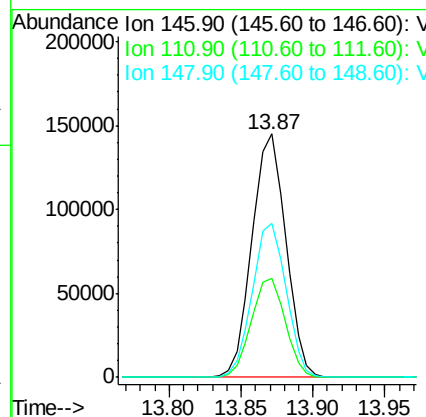
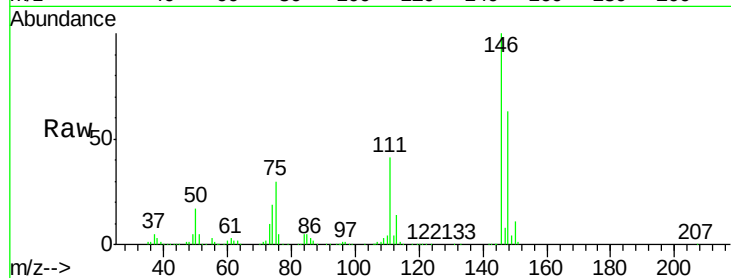
#91
 1,2-Dichlorobenzene
 Concen: 52.891 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	235678		
111	40.9	21.3	63.9	
148	63.6	32.1	96.5	

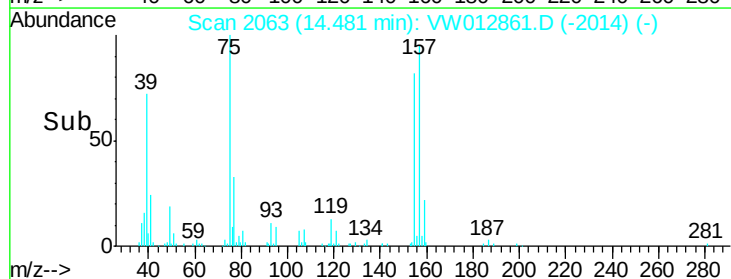
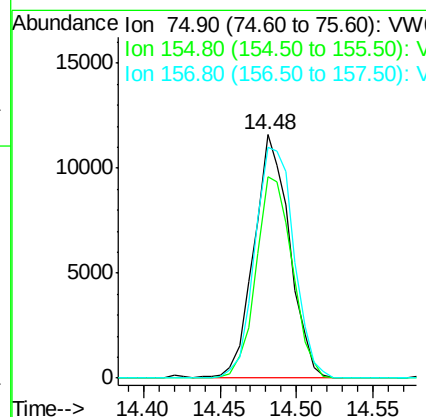
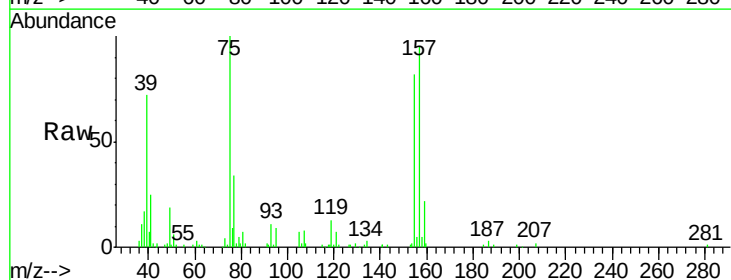
Manual Integrations
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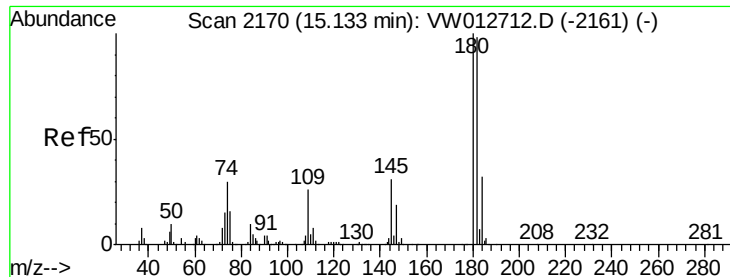
MMDadoda
 9/11/2019 9:26:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.914 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18760		
155	84.4	40.6	122.0	
157	104.0	52.5	157.5	





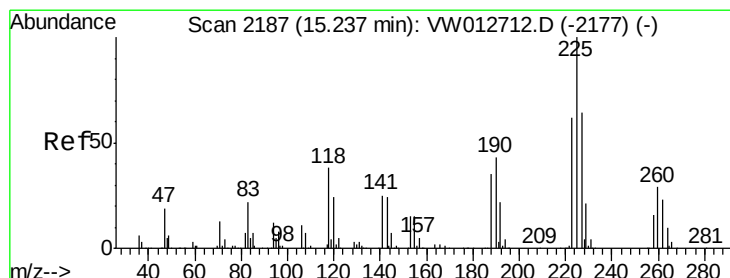
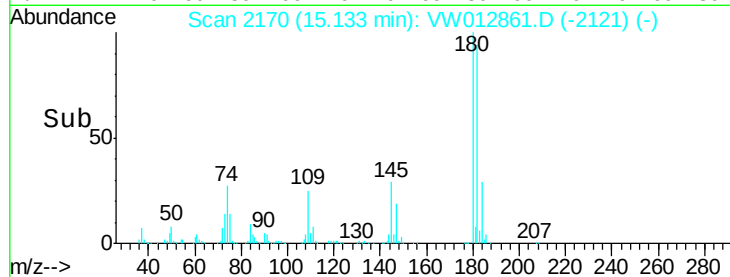
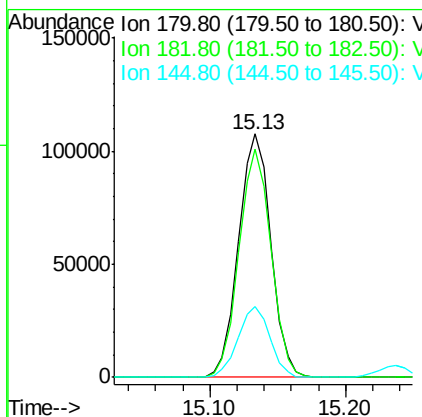
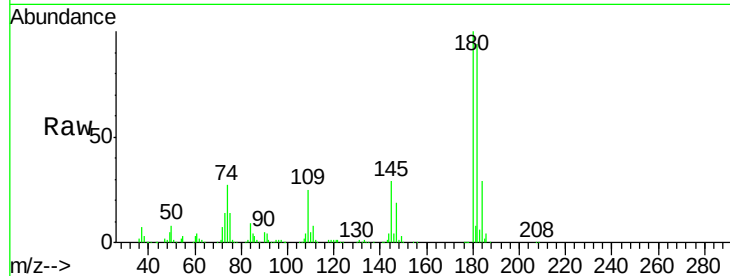
#93
 1,2,4-Trichlorobenzene
 Concen: 57.552 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	178543		
182	92.9	48.7	146.1	
145	28.9	15.0	45.1	

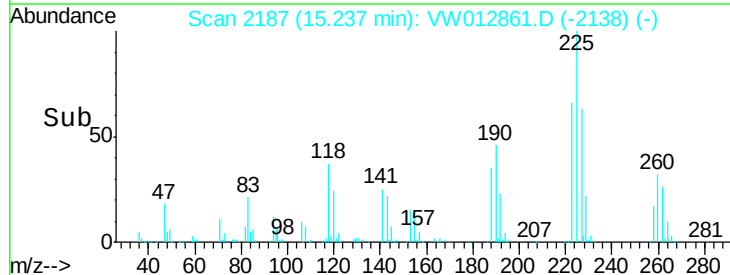
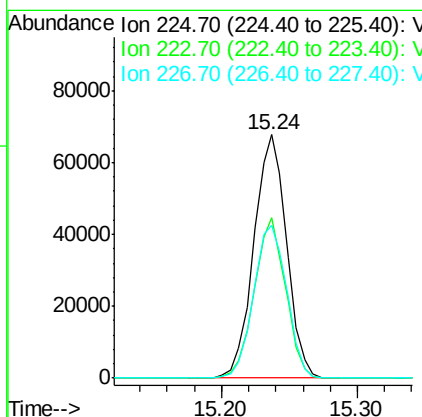
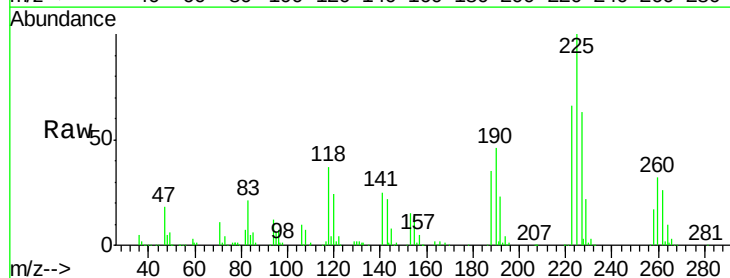
Manual Integrations
 APPROVED

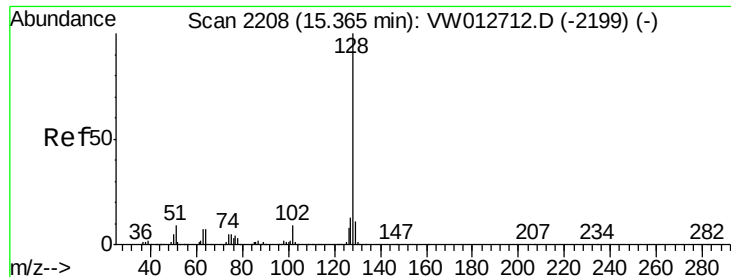
MMDadoda
 9/11/2019 9:26:48 AM



#94
 Hexachlorobutadiene
 Concen: 53.102 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012861.D
 Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	114026		
223	63.4	31.1	93.3	
227	63.9	31.4	94.2	





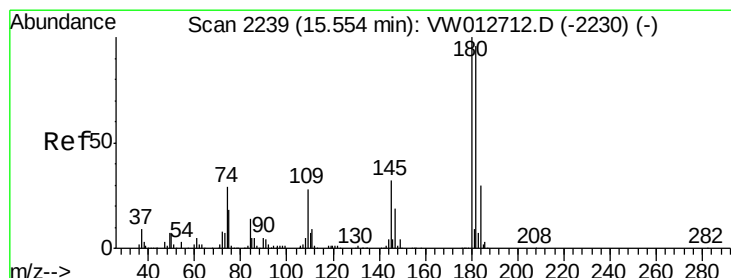
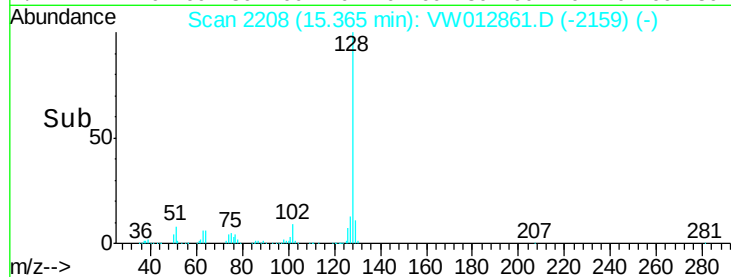
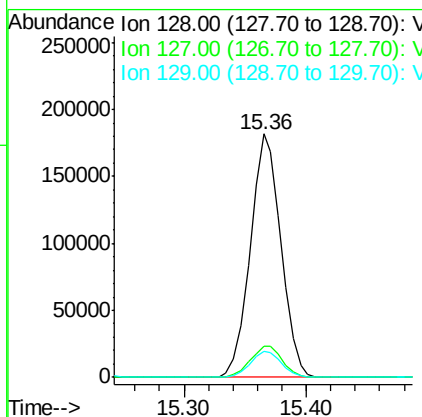
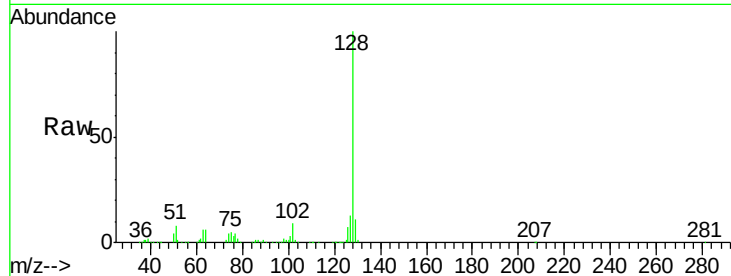
#95
Naphthalene
Concen: 48.736 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	316135		
127	13.5	10.7	16.1	
129	10.8	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
9/11/2019 9:26:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.469 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW012861.D
Acq: 10 Sep 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	154636		
182	95.7	47.8	143.3	
145	30.6	15.4	46.2	

