

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012719.D
 Acq On : 07 Sep 2019 15:11
 Operator : SY/VA
 Sample : VW0907SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS01

Manual Integrations
 APPROVED

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 9/10/2019 1:02:54 PM

Quant Time: Sep 08 05:25:24 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	248572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	388783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	340044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170918	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147279	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
35) Dibromofluoromethane	7.88	113	106486	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
50) Toluene-d8	10.32	98	482275	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
62) 4-Bromofluorobenzene	12.62	95	168506	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29868	22.164	ug/l	97
3) Chloromethane	2.21	50	35183	21.483	ug/l	97
4) Vinyl Chloride	2.36	62	41816	20.824	ug/l	99
5) Bromomethane	2.76	94	22941	21.039	ug/l	93
6) Chloroethane	2.92	64	23344	19.481	ug/l	99
7) Trichlorofluoromethane	3.25	101	24443	17.640	ug/l	100
8) Diethyl Ether	3.68	74	22661	19.458	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44681	20.547	ug/l	98
10) Methyl Iodide	4.27	142	56044	20.473	ug/l	99
11) Tert butyl alcohol	5.18	59	19089	89.831	ug/l	100
12) 1,1-Dichloroethene	4.04	96	41866	20.395	ug/l	94
13) Acrolein	3.89	56	21167	93.867	ug/l	97
14) Allyl chloride	4.67	41	85238	20.073	ug/l	99
15) Acrylonitrile	5.37	53	65588	96.420	ug/l	100
16) Acetone	4.12	43	64338	84.972	ug/l	98
17) Carbon Disulfide	4.39	76	95548	21.928	ug/l	97
18) Methyl Acetate	4.67	43	34178	19.240	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	81785	20.089	ug/l	97
20) Methylene Chloride	4.92	84	48752	20.581	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	44571	21.280	ug/l	99
22) Diisopropyl ether	6.31	45	175621	20.852	ug/l	90
23) Vinyl Acetate	6.25	43	544281	101.972	ug/l	100
24) 1,1-Dichloroethane	6.21	63	96603	21.302	ug/l	99
25) 2-Butanone	7.17	43	92024	95.725	ug/l	97
26) 2,2-Dichloropropane	7.17	77	58307	20.357	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	50171	20.658	ug/l	98
28) Bromochloromethane	7.51	49	33435	16.057	ug/l #	97
29) Tetrahydrofuran	7.52	42	48114	78.689	ug/l	99
30) Chloroform	7.67	83	79036	17.586	ug/l	97
31) Cyclohexane	7.95	56	80077	19.614	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	65909	18.092	ug/l	99
36) 1,1-Dichloropropene	8.08	75	66398	19.221	ug/l	99
37) Ethyl Acetate	7.25	43	39684	18.021	ug/l	99
38) Carbon Tetrachloride	8.07	117	62861	18.460	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	74126	19.106	ug/l	99
40) Benzene	8.32	78	188167	19.633	ug/l	99
41) Methacrylonitrile	7.48	41	20229	16.315	ug/l	95
42) 1,2-Dichloroethane	8.40	62	64881	19.235	ug/l	100
43) Isopropyl Acetate	8.42	43	72710	17.428	ug/l	98
44) Trichloroethene	9.09	130	45655	18.480	ug/l	86
45) 1,2-Dichloropropane	9.37	63	49844	18.751	ug/l	98
46) Dibromomethane	9.46	93	24048	19.104	ug/l	99
47) Bromodichloromethane	9.65	83	66567	19.221	ug/l	97
48) Methyl methacrylate	9.43	41	35157	17.633	ug/l	99
49) 1,4-Dioxane	9.46	88	8550	343.861	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	198417	90.635	ug/l	99
52) Toluene	10.38	92	117832	19.698	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	65453	18.380	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	75816	18.767	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35975	19.089	ug/l	98
56) Ethyl methacrylate	10.65	69	51066	18.511	ug/l	99
57) 1,3-Dichloropropane	10.93	76	66582	19.098	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	125419	85.640	ug/l	99
59) 2-Hexanone	10.97	43	134047	83.812	ug/l	100
60) Dibromochloromethane	11.13	129	41205	18.591	ug/l	99
61) 1,2-Dibromoethane	11.23	107	32191	18.632	ug/l	96
64) Tetrachloroethene	10.86	164	41044	19.892	ug/l	96
65) Chlorobenzene	11.66	112	124186	19.323	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	45394	18.966	ug/l	98
67) Ethyl Benzene	11.73	91	235309	19.514	ug/l	99
68) m/p-Xylenes	11.83	106	170587	39.192	ug/l	99
69) o-Xylene	12.16	106	80104	19.507	ug/l	99
70) Styrene	12.18	104	140186	19.320	ug/l	99
71) Bromoform	12.35	173	24491	18.418	ug/l	# 96
73) Isopropylbenzene	12.46	105	235088	19.177	ug/l	99
74) N-amyl acetate	12.27	43	70176	18.035	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	43026	17.477	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	35440m	20.278	ug/l	
77) Bromobenzene	12.74	156	52080	18.752	ug/l	98
78) n-propylbenzene	12.80	91	278097	18.968	ug/l	99
79) 2-Chlorotoluene	12.89	91	159752	18.980	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	192855	18.670	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13284	16.076	ug/l	92
82) 4-Chlorotoluene	12.99	91	164278	18.452	ug/l	99
83) tert-Butylbenzene	13.21	119	172529	18.890	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	199185	19.137	ug/l	98
85) sec-Butylbenzene	13.38	105	241375	19.045	ug/l	99
86) p-Isopropyltoluene	13.50	119	220077	19.010	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	103082	18.883	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	102144	18.804	ug/l	99
89) n-Butylbenzene	13.82	91	210800	18.756	ug/l	99
90) Hexachloroethane	14.09	117	37638	18.624	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	91783	18.680	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7858	17.441	ug/l	97

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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VW0907SBS01

Manual Integrations
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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	64757	18.930	ug/l	98
94) Hexachlorobutadiene	15.24	225	45190	19.085	ug/l	99
95) Naphthalene	15.36	128	112353	18.716	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	58316	19.313	ug/l	99

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

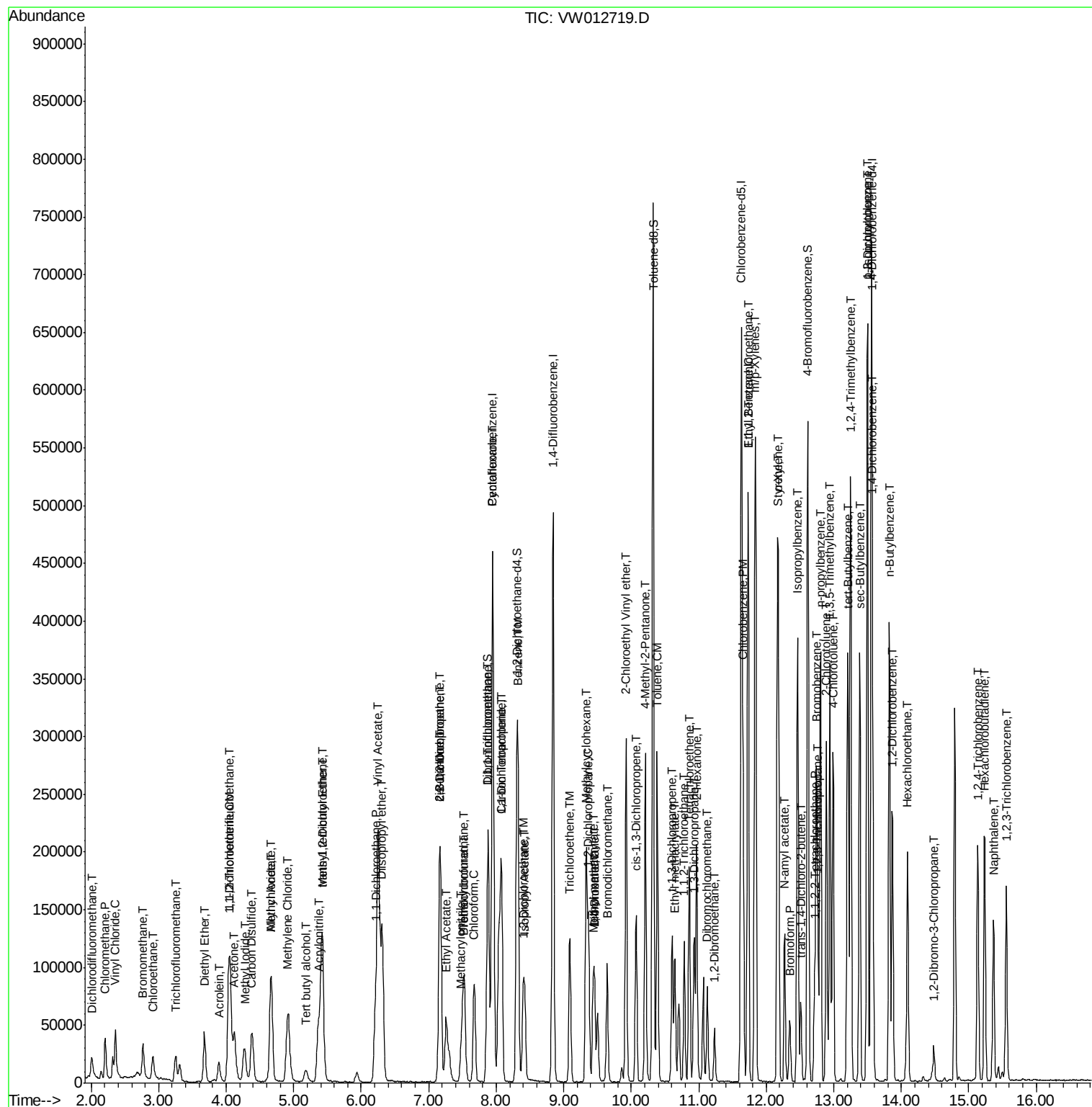
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 Data File : VW012719.D
 Acq On : 07 Sep 2019 15:11
 Operator : SY/VA
 Sample : VW0907SBS01
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 ALS Vial : 13 Sample Multiplier: 1

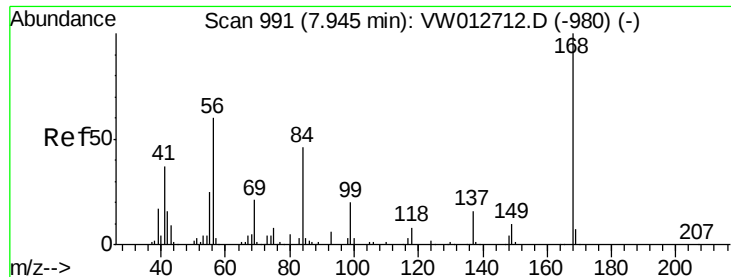
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS01

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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: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS01

Tot Ion:168 Resp: 248572

Ion Ratio Lower Upper

168 100

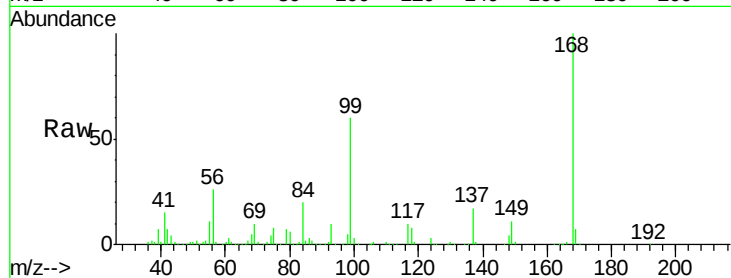
99 60.2 47.8 71.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

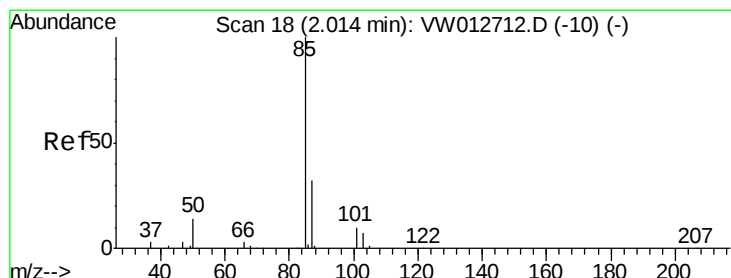
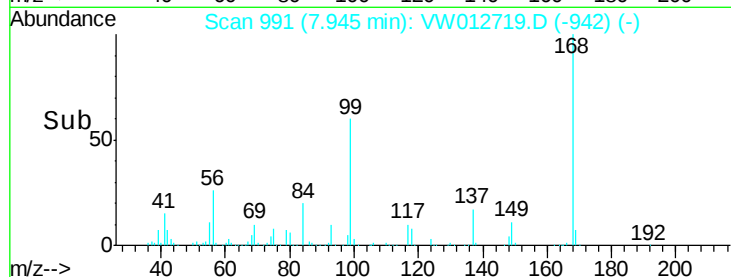
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 22.164 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012719.D

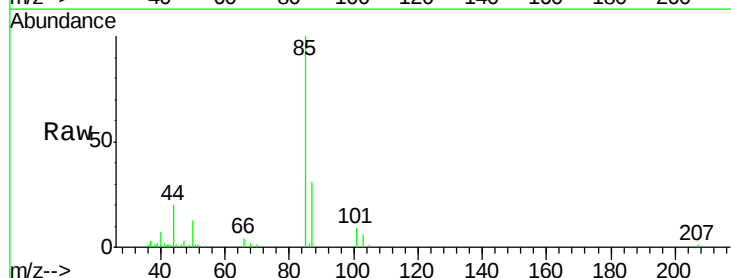
Acq: 07 Sep 2019 15:11

Tgt Ion: 85 Resp: 29868

Ion Ratio Lower Upper

85 100

87 30.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

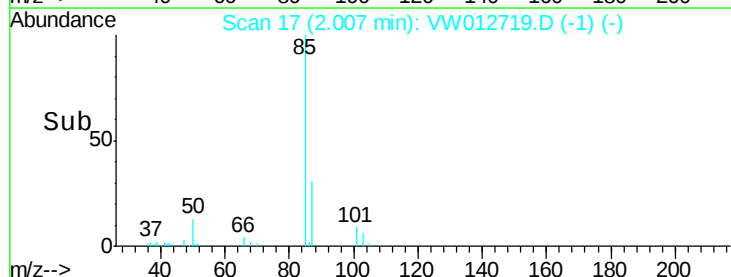
6000

4000

2000

0

Time--> 1.90 2.00 2.10 2.20





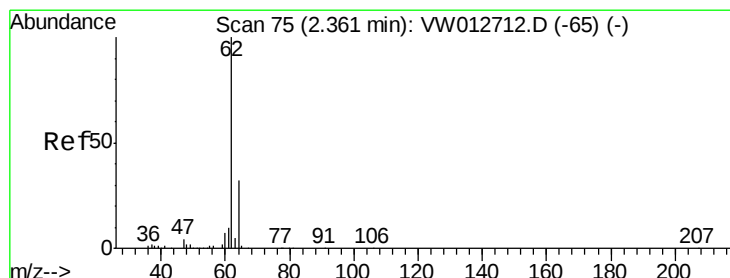
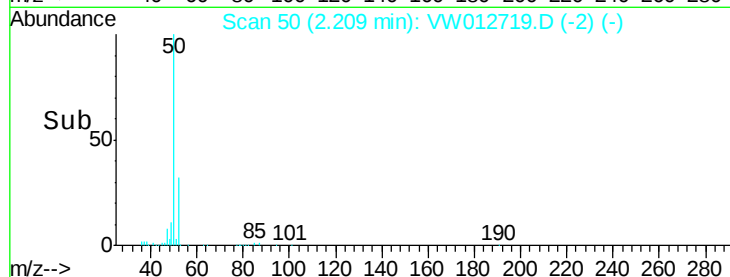
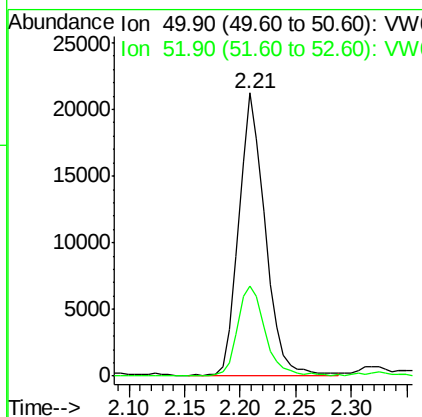
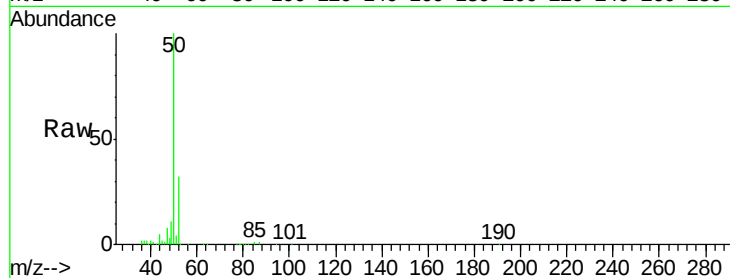
#3
Chloromethane
Concen: 21.483 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.01 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.7	24.2	36.2

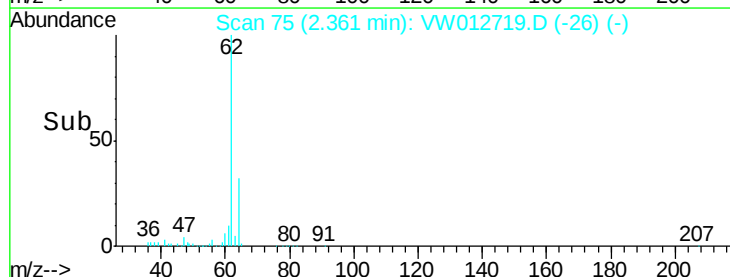
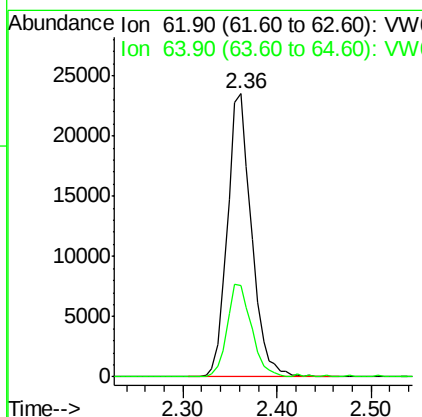
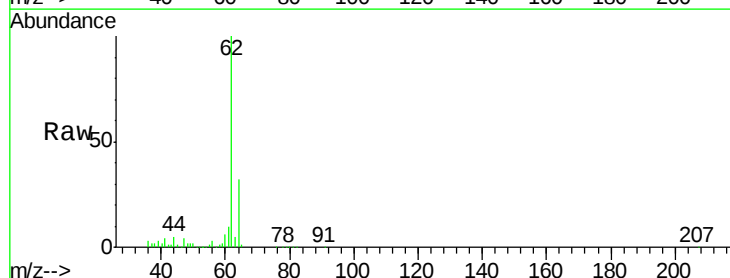
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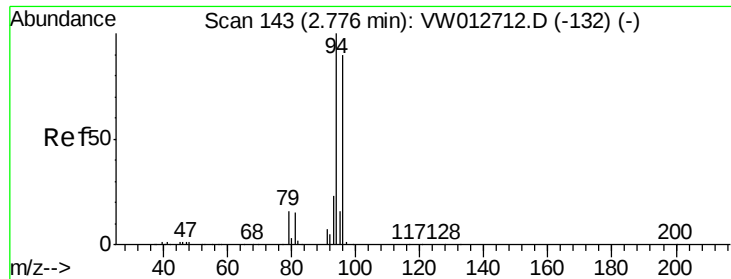
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#4
Vinyl Chloride
Concen: 20.824 ug/l
RT: 2.36 min Scan# 75
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.3	37.9





#5

Bromomethane

Concen: 21.039 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS01

Tot Ion: 94 Resp: 22941

Ion Ratio Lower Upper

94 100

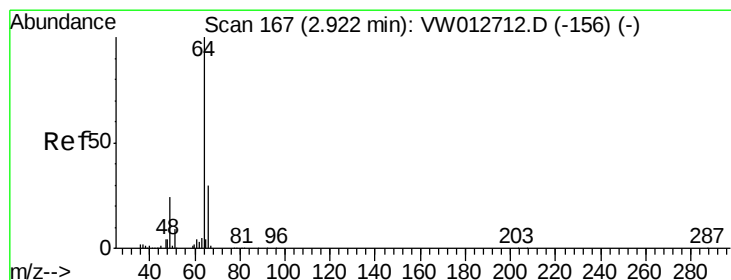
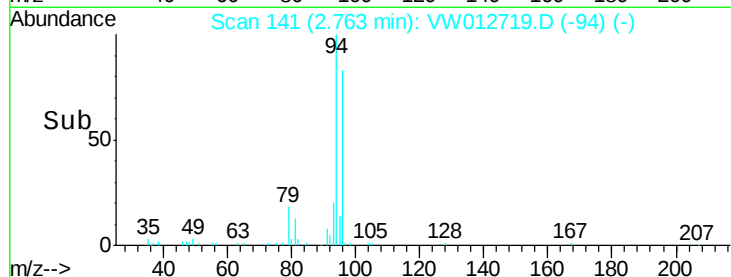
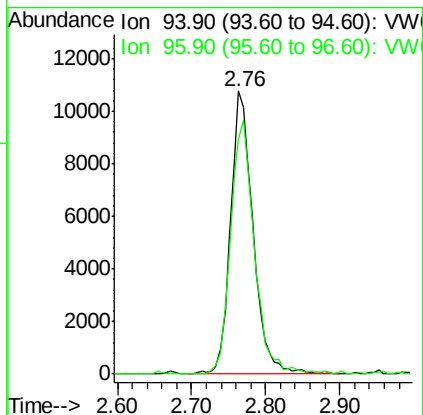
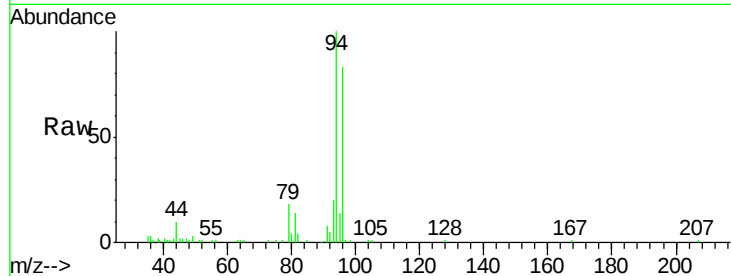
96 83.1 72.1 108.1

Manual Integrations

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#6

Chloroethane

Concen: 19.481 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012719.D

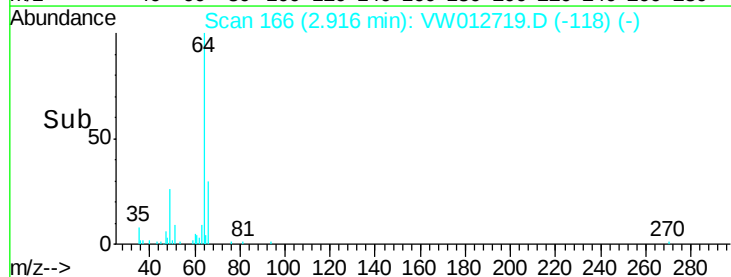
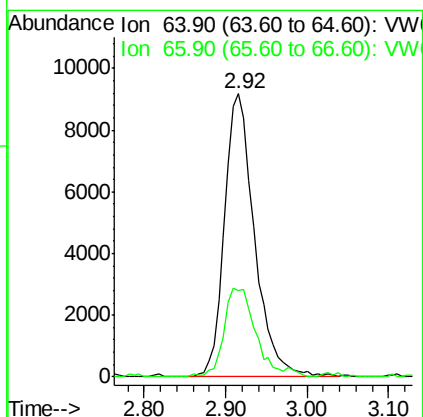
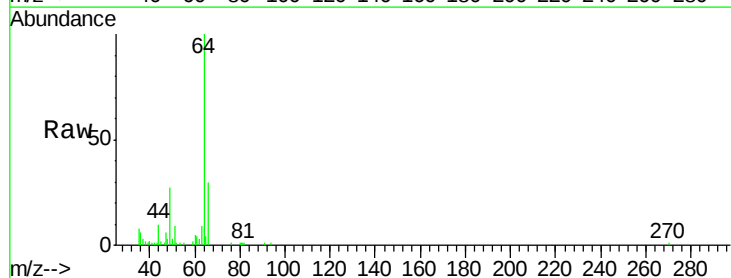
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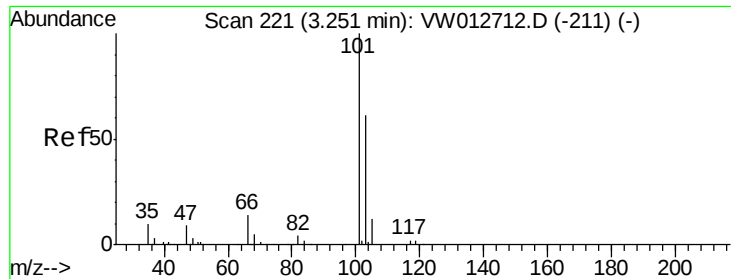
Tgt Ion: 64 Resp: 23344

Ion Ratio Lower Upper

64 100

66 30.4 23.8 35.6





#7

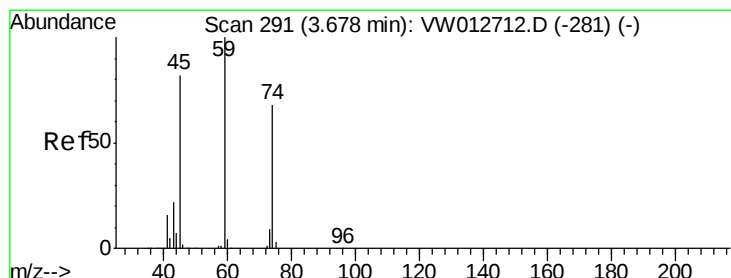
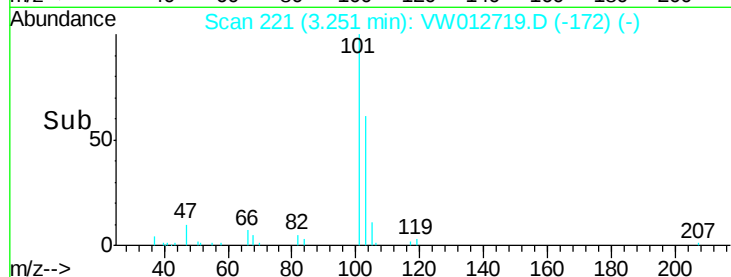
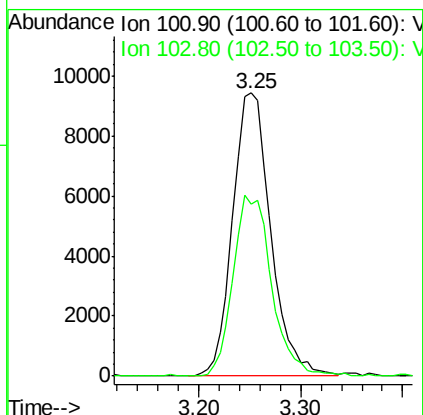
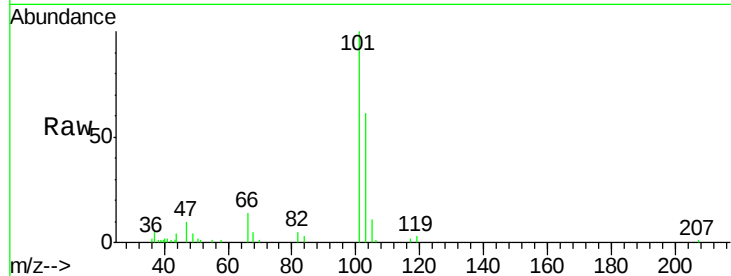
Trichlorofluoromethane
 Concen: 17.640 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.9	49.0	73.4

Manual Integrations
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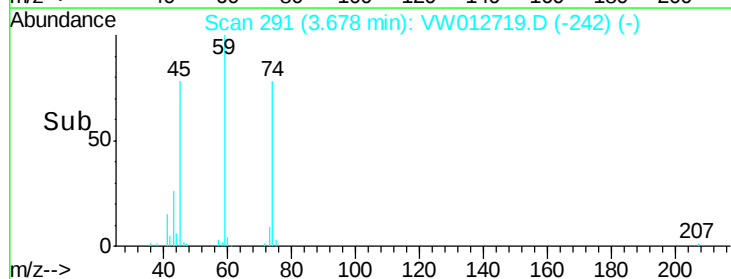
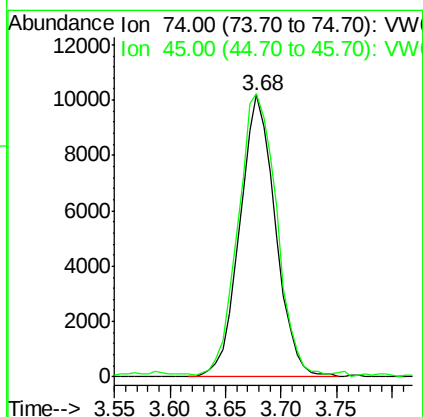
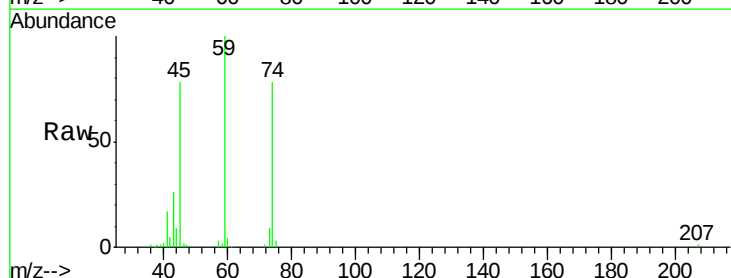
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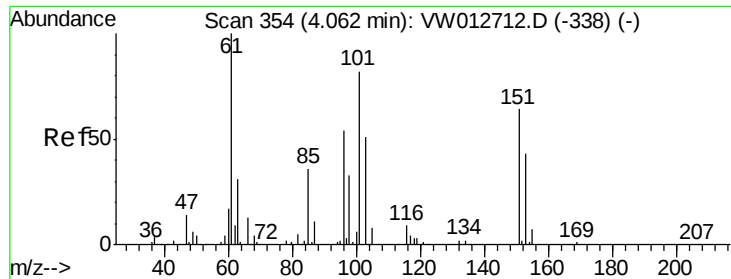


#8

Diethyl Ether
 Concen: 19.458 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.3	58.8	176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.547 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

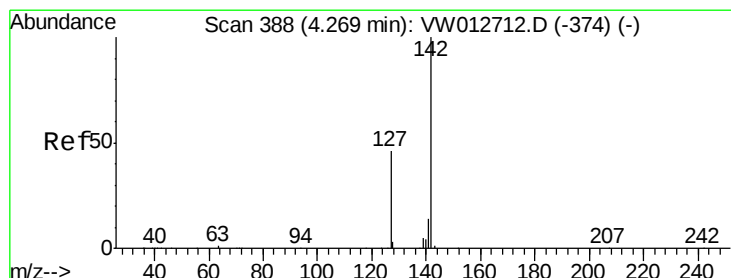
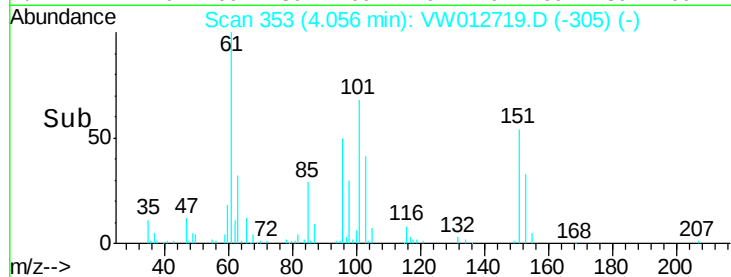
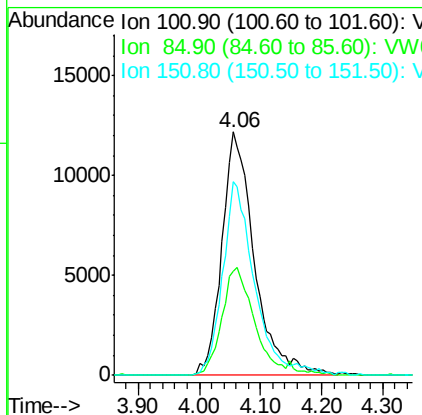
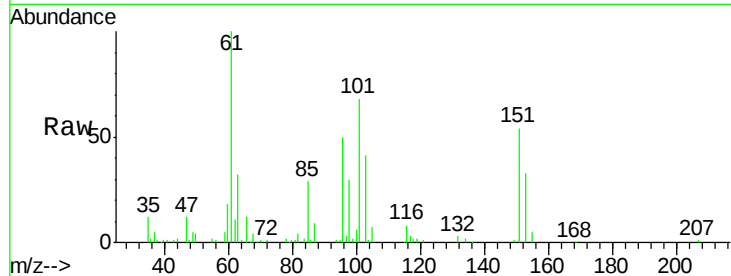
ClientSampleId :

VW0907SBS01

Tot Ion:	101	Resp:	44681
Ion Ratio	Lower	Upper	
101	100		
85	43.5	36.2	54.2
151	78.2	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 20.473 ug/l

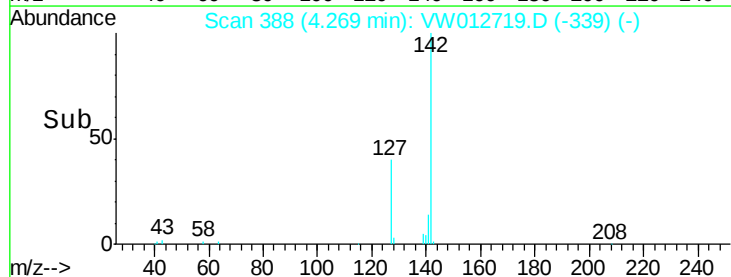
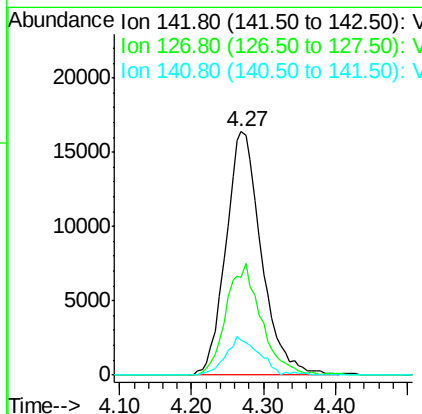
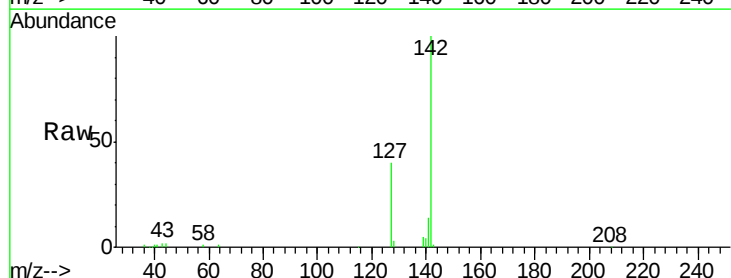
RT: 4.27 min Scan# 388

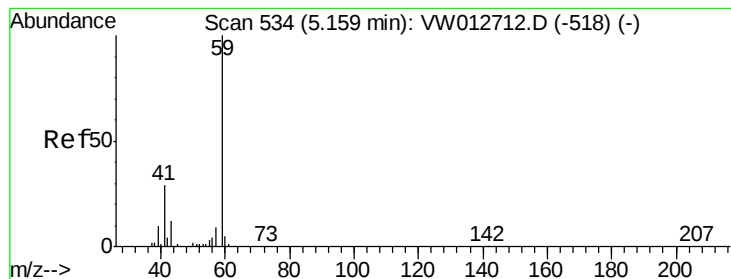
Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Tgt Ion:	142	Resp:	56044
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.0	54.0
141	14.7	12.2	18.4





#11

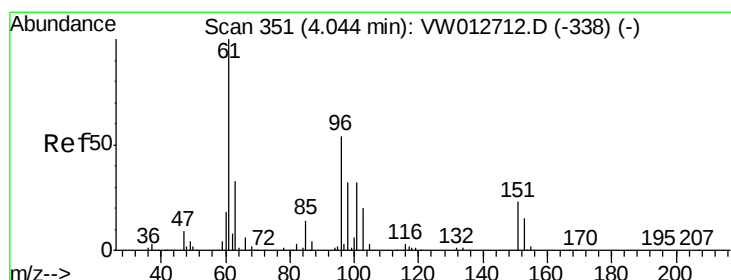
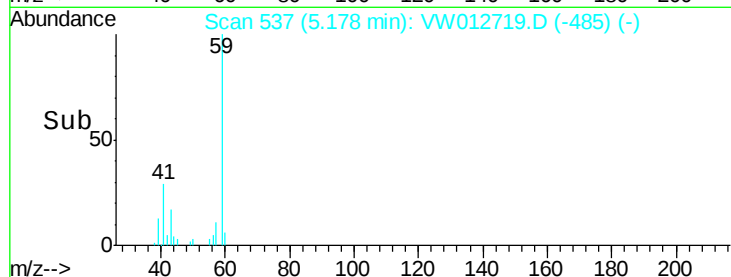
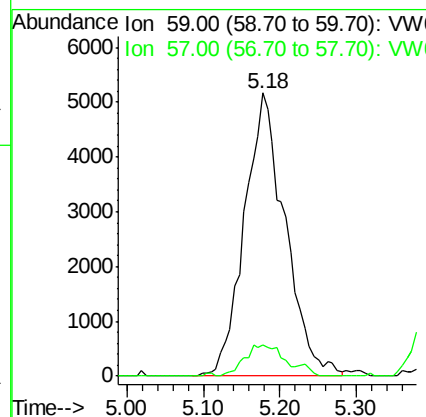
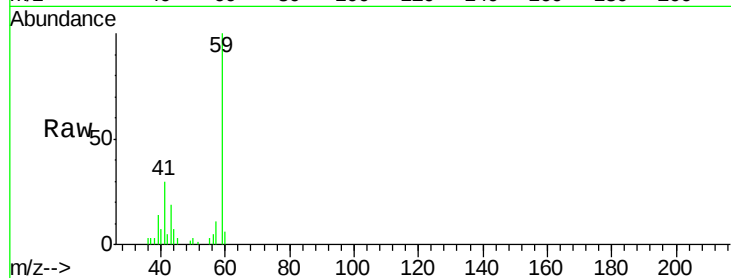
Tert butyl alcohol
 Concen: 89.831 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.02 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS01

Tot Ion	59	57	Ratio	100	10.3	Resp	19089	Lower	8.2	Upper	12.4
Ion	59	57	Ratio	100	10.3	Resp	19089	Lower	8.2	Upper	12.4

Manual Integrations
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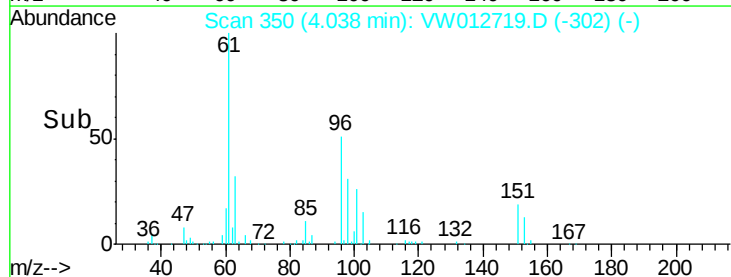
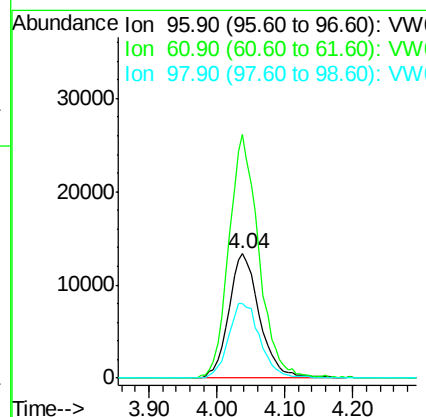
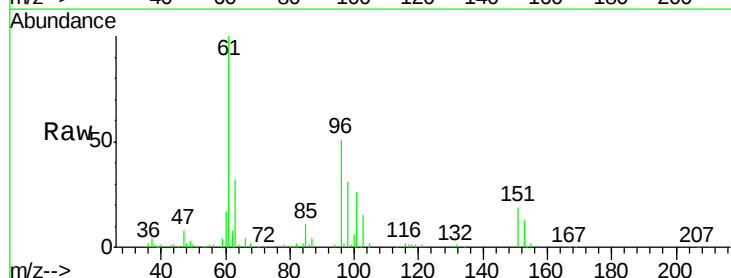
MMDadoda
 9/10/2019 1:02:54 PM

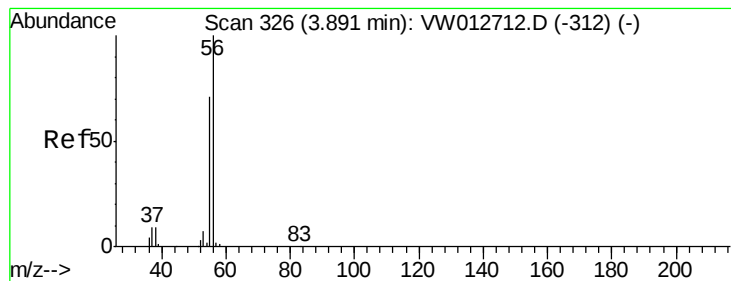


#12

1,1-Dichloroethene
 Concen: 20.395 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Tgt Ion	96	61	98	Ratio	100	195.9	60.3	Resp	41866	Lower	147.8	Upper	221.6	71.9
Ion	96	61	98	Ratio	100	195.9	60.3	Resp	41866	Lower	147.8	Upper	221.6	71.9





#13

Acrolein

Concen: 93.867 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS01

Tot Ion: 56 Resp: 21167

Ion Ratio Lower Upper

56 100

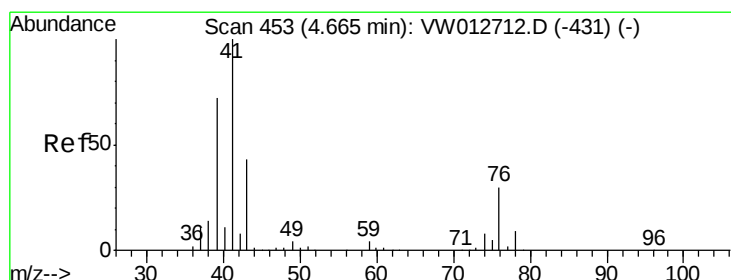
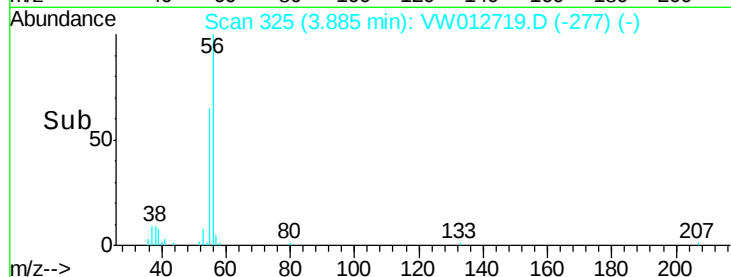
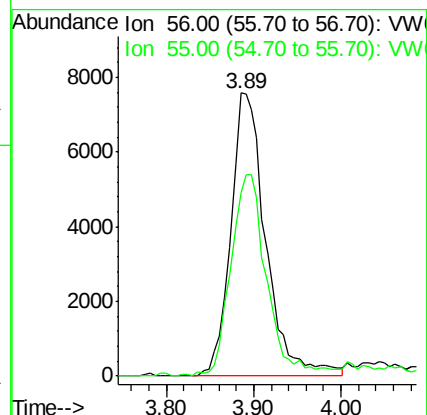
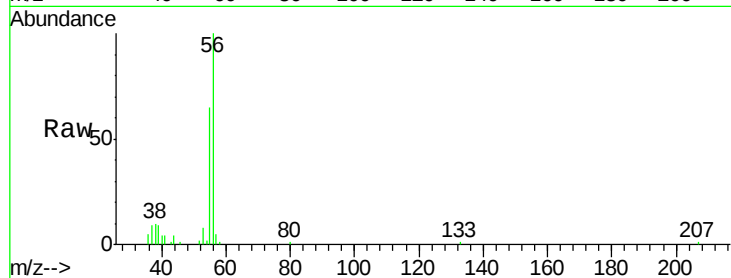
55 73.2 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 20.073 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

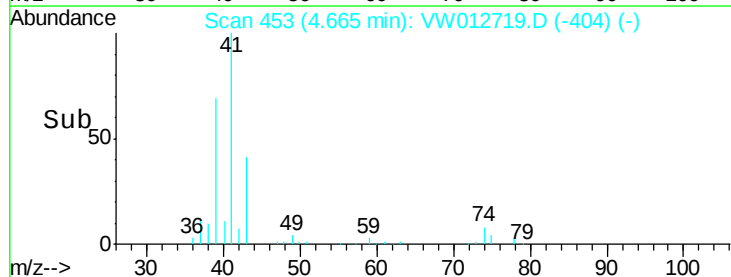
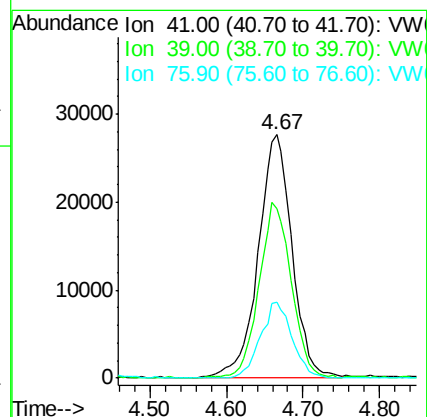
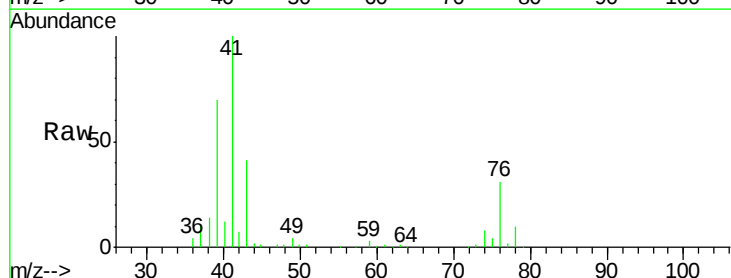
Tgt Ion: 41 Resp: 85238

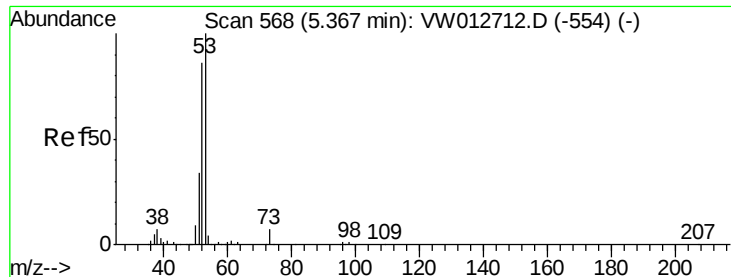
Ion Ratio Lower Upper

41 100

39 69.3 55.0 82.6

76 29.2 23.0 34.4





#15

Acrylonitrile

Concen: 96.420 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

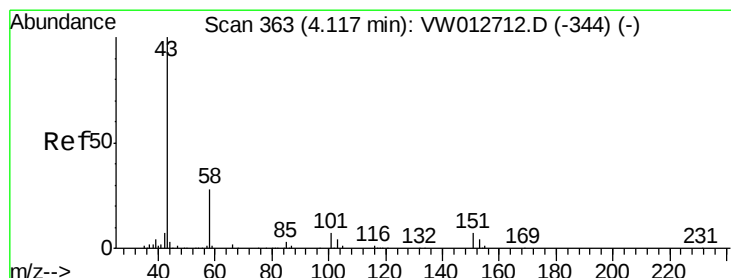
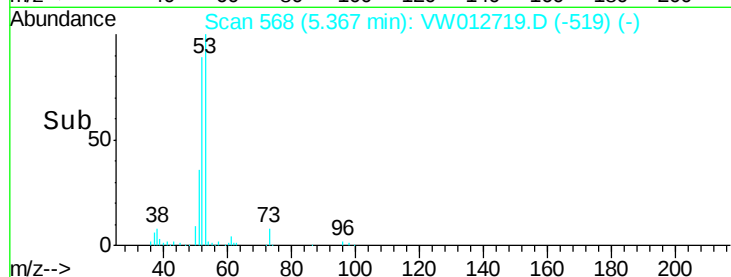
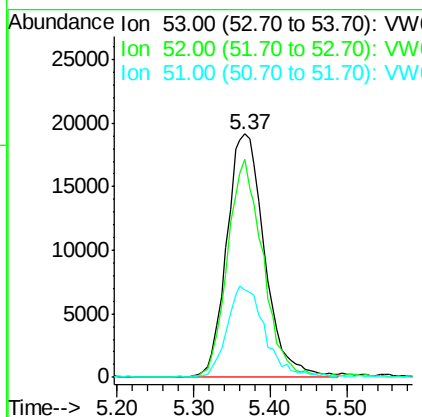
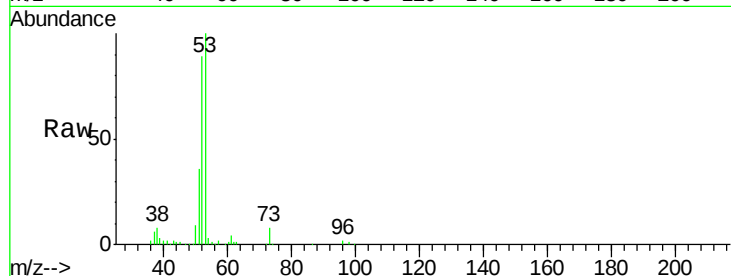
ClientSampleId :

VW0907SBS01

Tot Ion:	53	Resp:	65588
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.0	100.4
51	37.7	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 84.972 ug/l

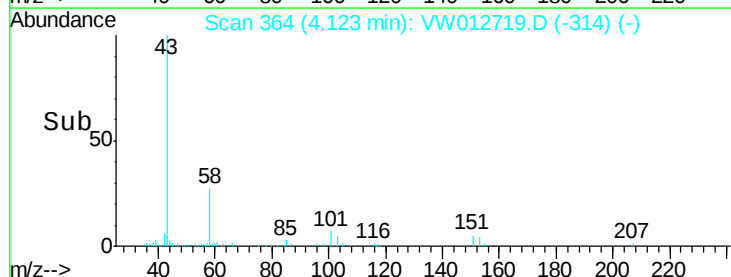
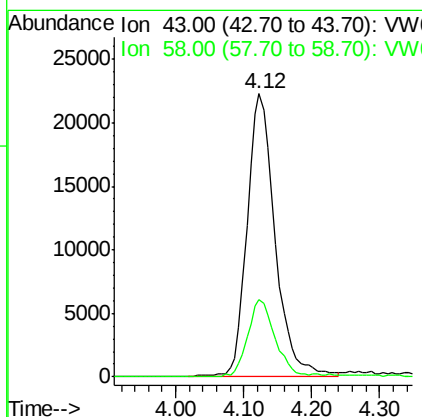
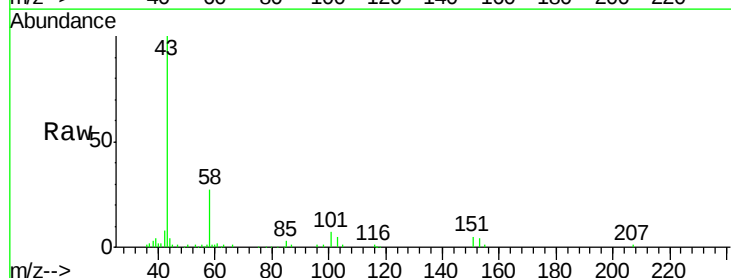
RT: 4.12 min Scan# 364

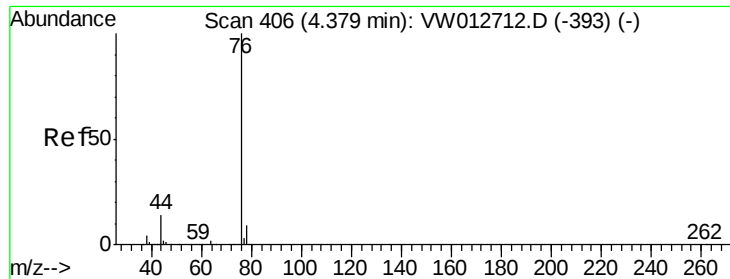
Delta R.T. 0.01 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Tgt Ion:	43	Resp:	64338
Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.6	33.8





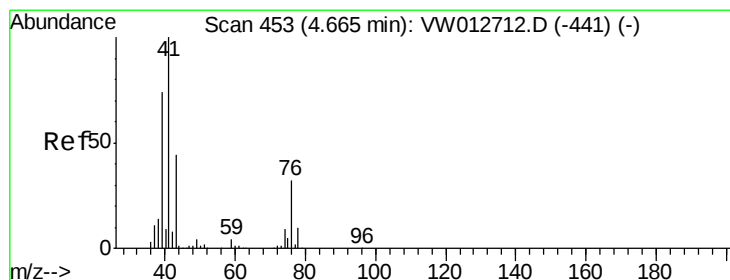
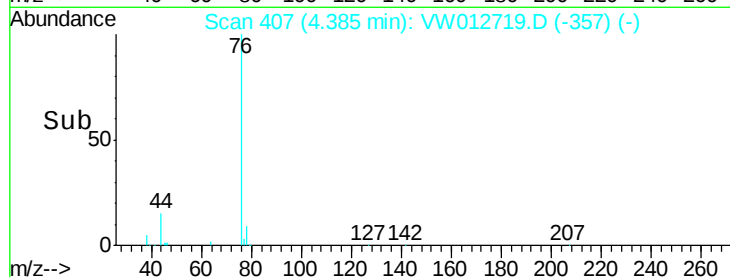
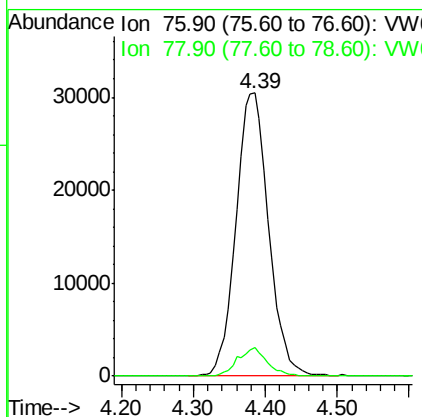
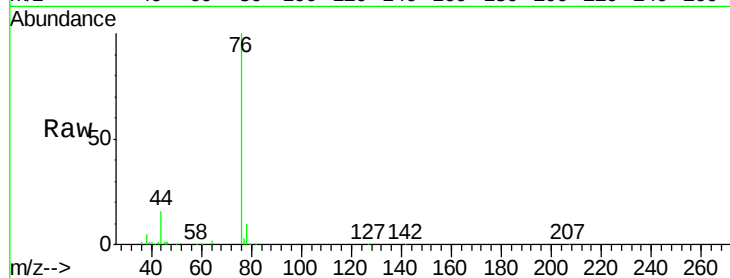
#17
Carbon Disulfide
Concen: 21.928 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.2	10.8

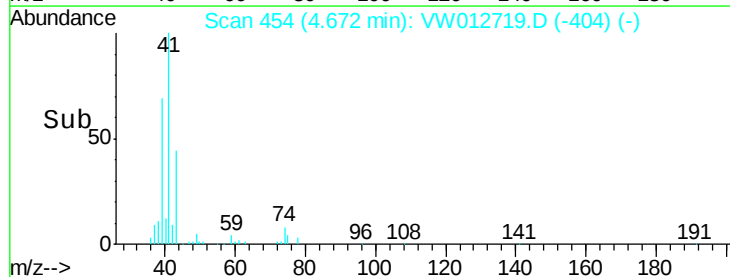
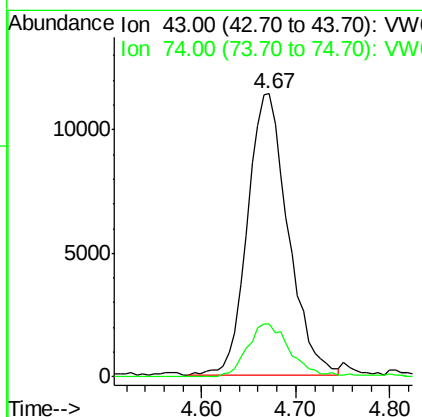
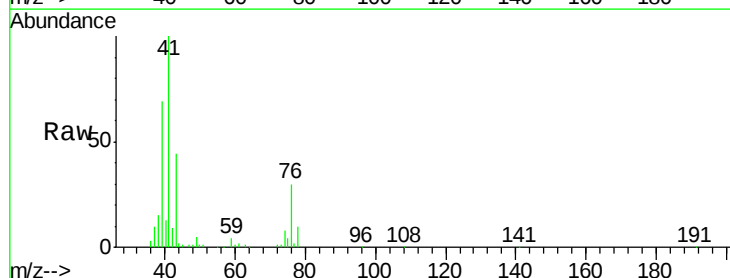
Manual Integrations
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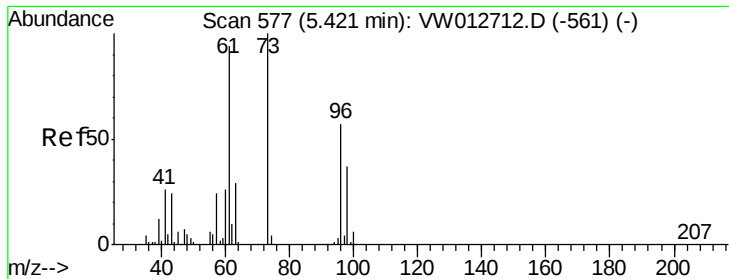
MMDadoda
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#18
Methyl Acetate
Concen: 19.240 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	15.8	23.6





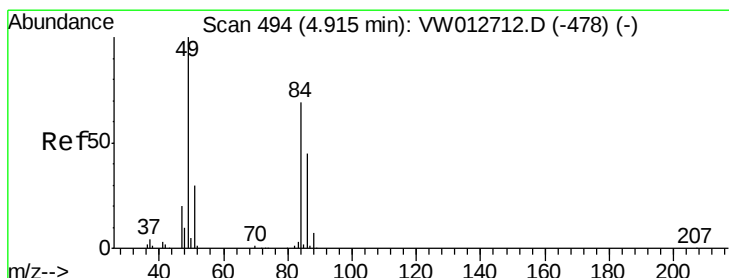
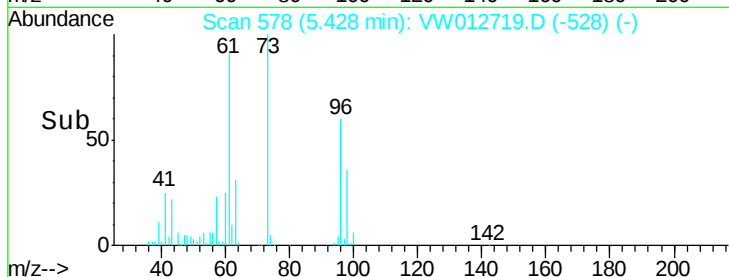
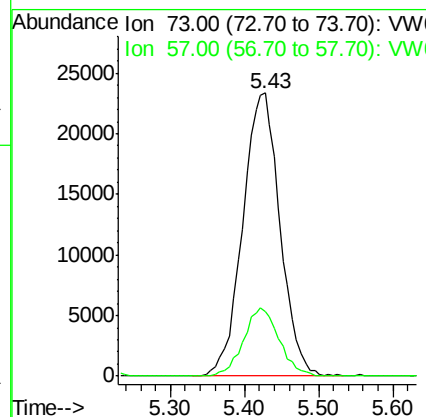
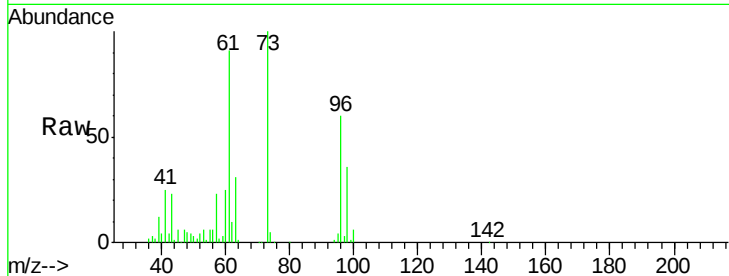
#19
Methvl tert-butvl Ether
Concen: 20.089 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS01

Tot Ion: 73 Resp: 81785
Ion Ratio Lower Upper
73 100
57 22.6 19.2 28.8

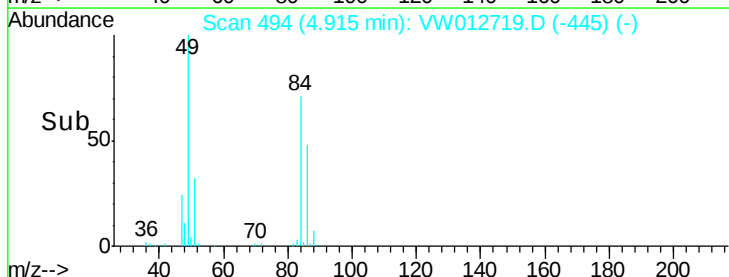
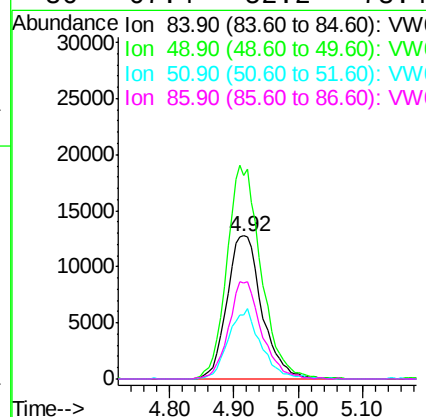
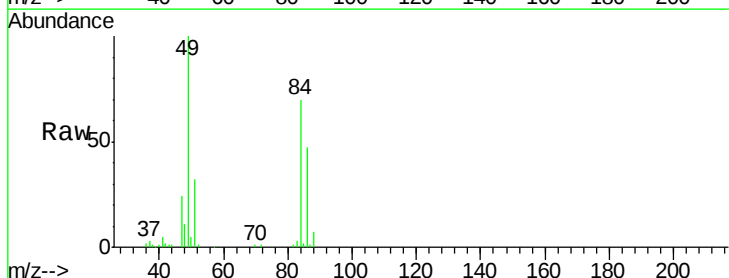
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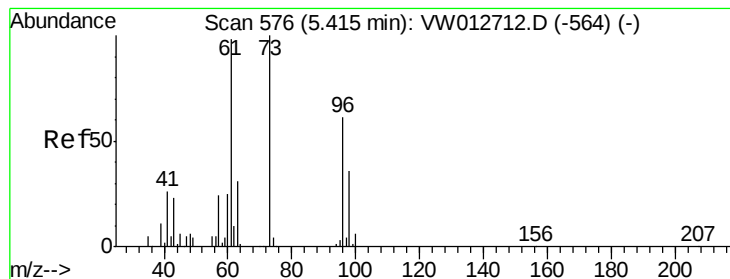
MMDadoda
9/10/2019 1:02:54 PM



#20
Methylene Chloride
Concen: 20.581 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion: 84 Resp: 48752
Ion Ratio Lower Upper
84 100
49 142.1 115.4 173.0
51 45.1 34.9 52.3
86 67.4 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 21.280 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS01

Tot Ion: 96 Resp: 44571

Ion Ratio Lower Upper

96 100

61 163.0 129.2 193.8

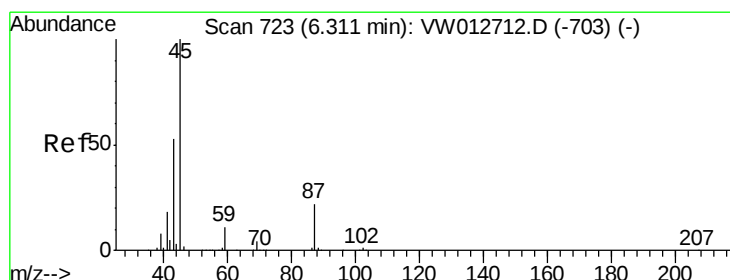
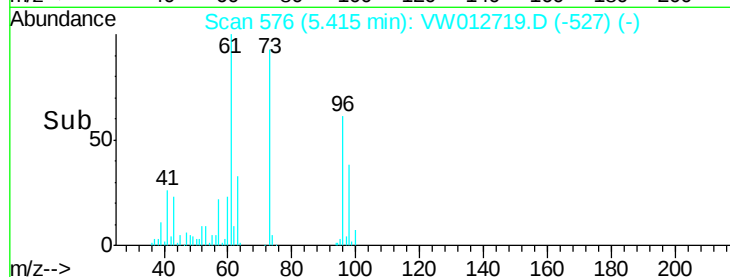
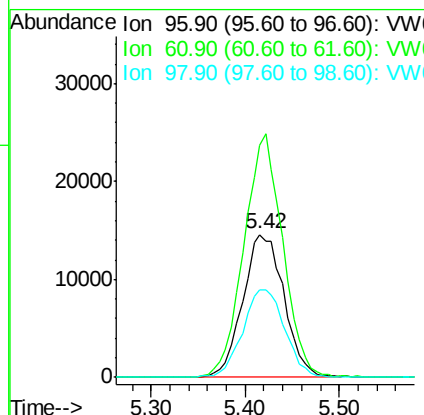
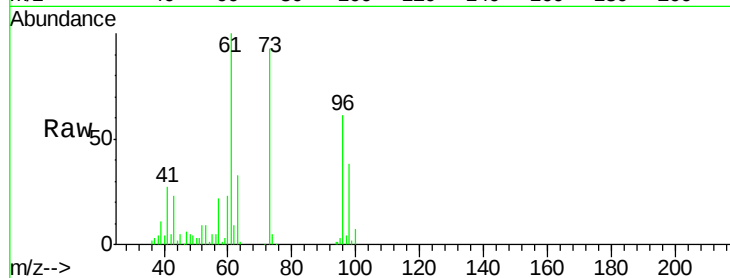
98 61.2 48.0 72.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.852 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Tgt Ion: 45 Resp: 175621

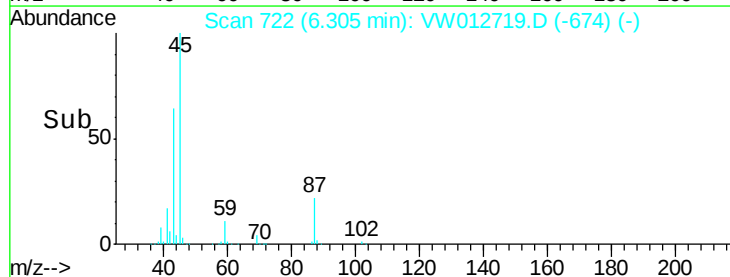
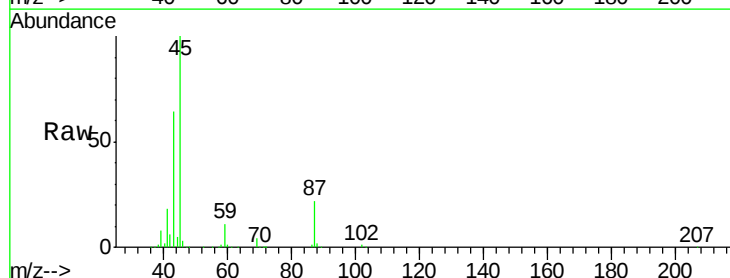
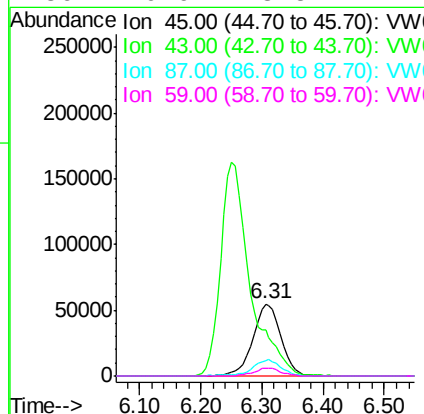
Ion Ratio Lower Upper

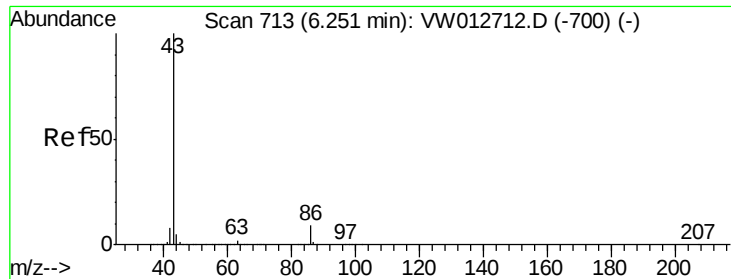
45 100

43 63.4 42.3 63.5

87 22.0 18.2 27.2

59 10.9 8.5 12.7





#23

Vinyl Acetate

Concen: 101.972 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS01

Tot Ion: 43 Resp: 544281

Ion Ratio Lower Upper

43 100

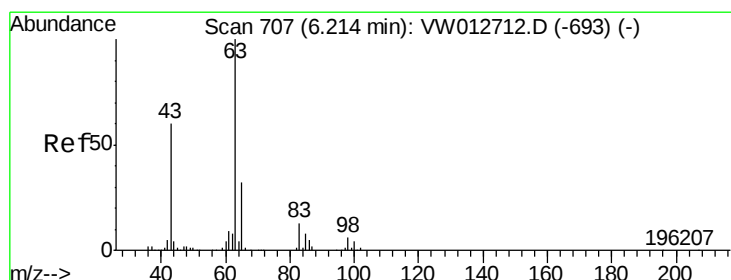
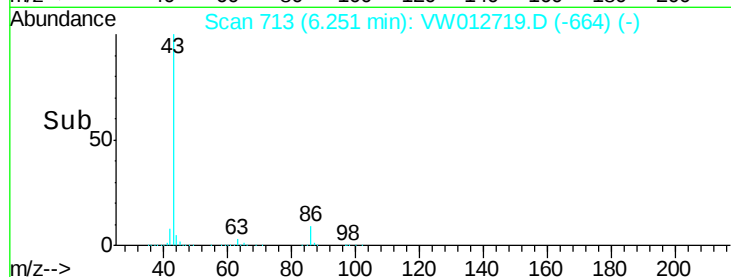
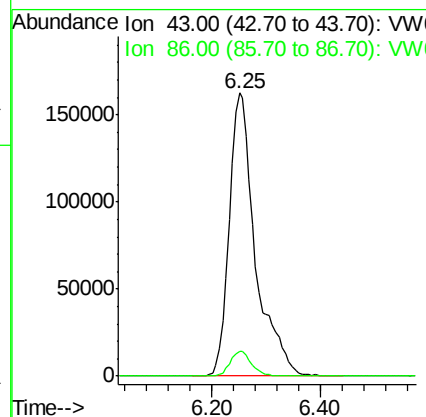
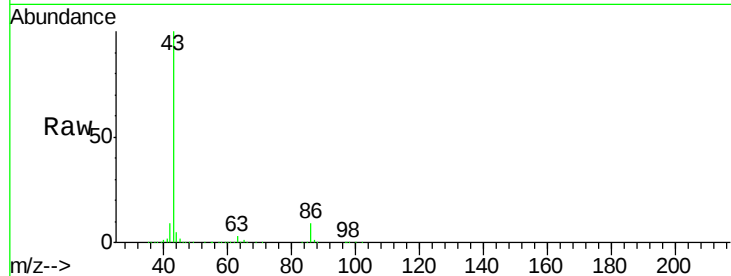
86 8.8 7.0 10.6

Manual Integrations

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MMDadoda

9/10/2019 1:02:54 PM



#24

1,1-Dichloroethane

Concen: 21.302 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

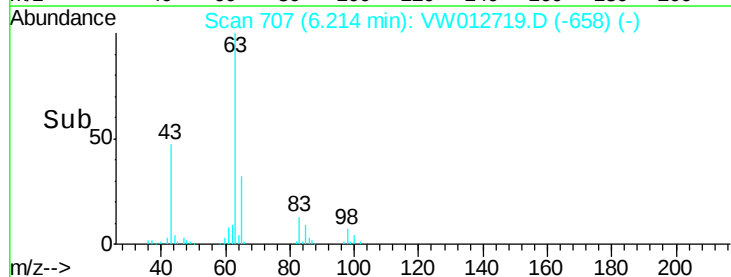
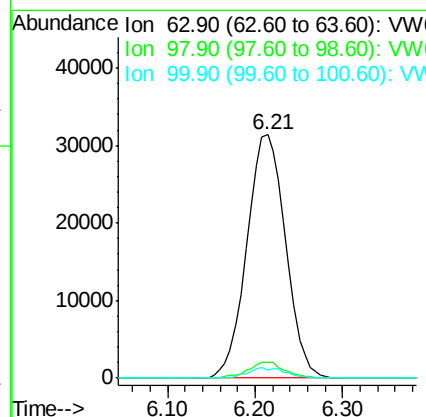
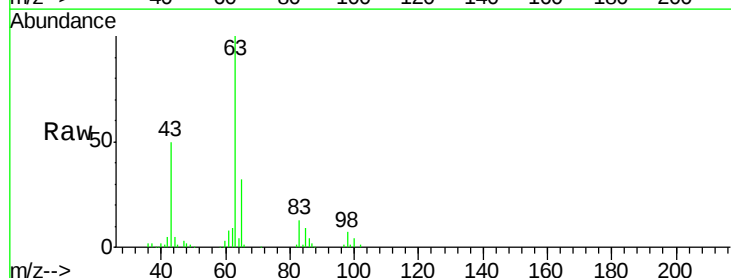
Tgt Ion: 63 Resp: 96603

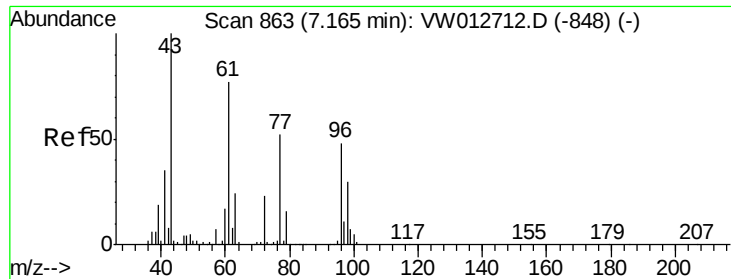
Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.3

100 3.5 1.8 5.5





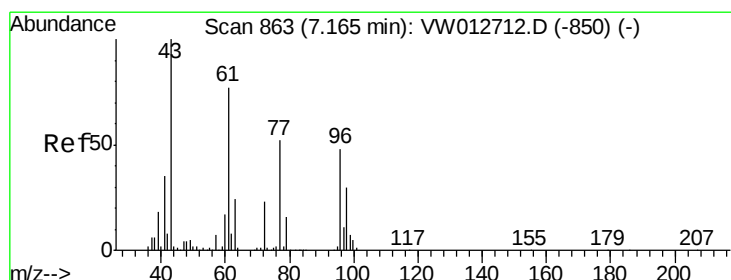
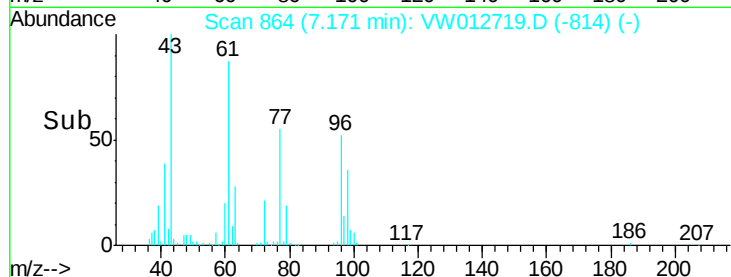
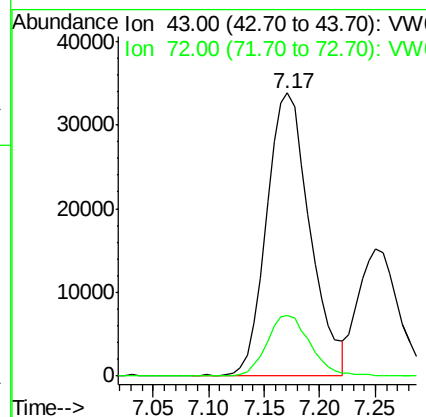
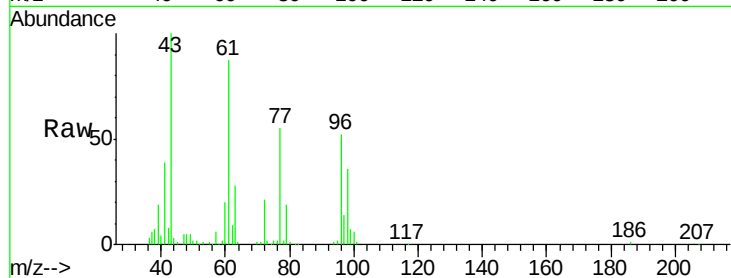
#25
2-Butanone
Concen: 95.725 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS01

Tot Ion: 43 Resp: 92024
Ion Ratio Lower Upper
43 100
72 21.3 18.0 27.0

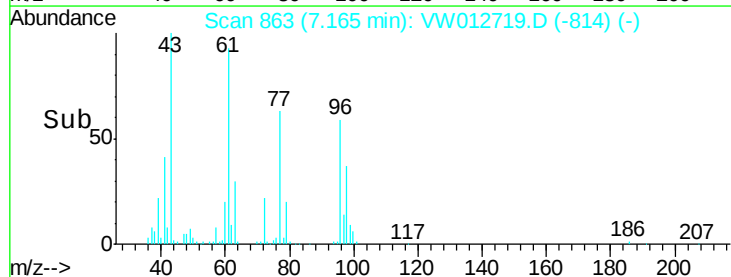
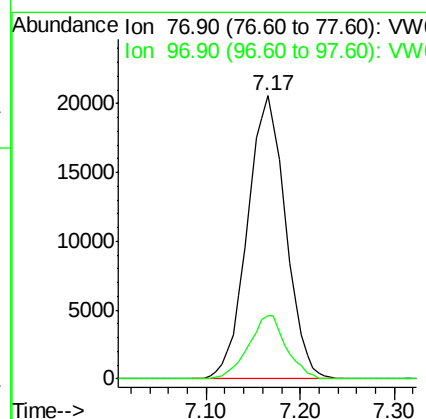
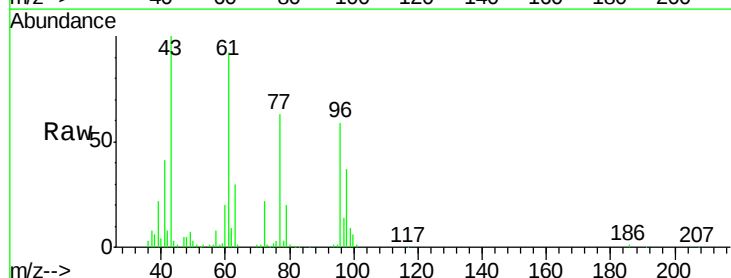
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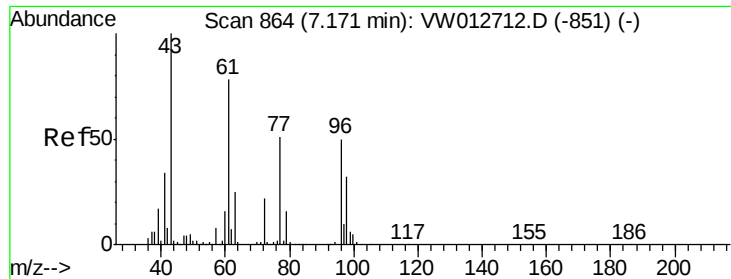
MMDadoda
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#26
2,2-Dichloropropane
Concen: 20.357 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion: 77 Resp: 58307
Ion Ratio Lower Upper
77 100
97 22.1 10.7 32.1





#27

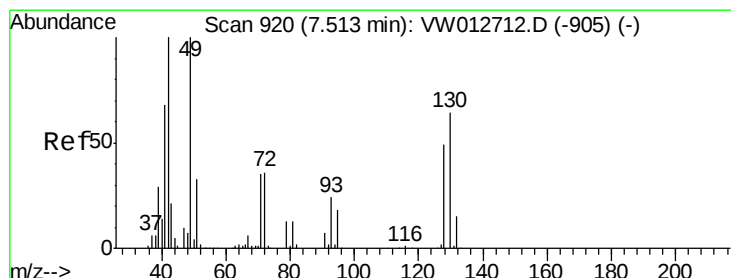
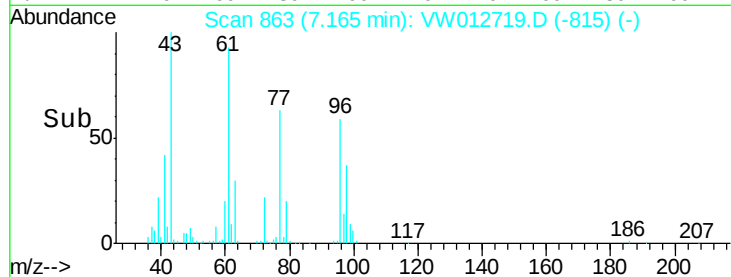
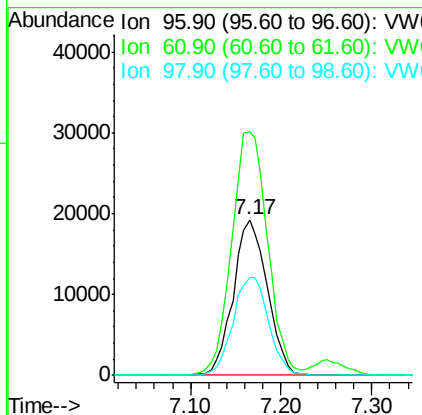
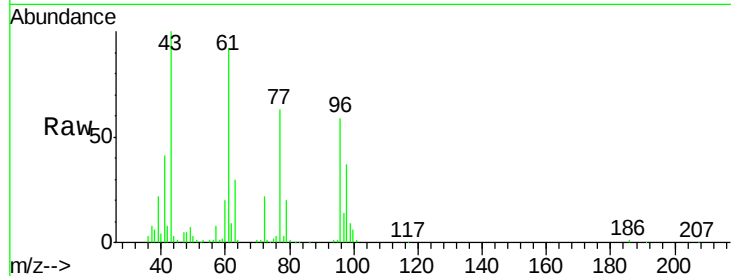
cis-1,2-Dichloroethene
 Concen: 20.658 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	50171		
61	164.4	0.0	325.8	
98	65.8	0.0	127.0	

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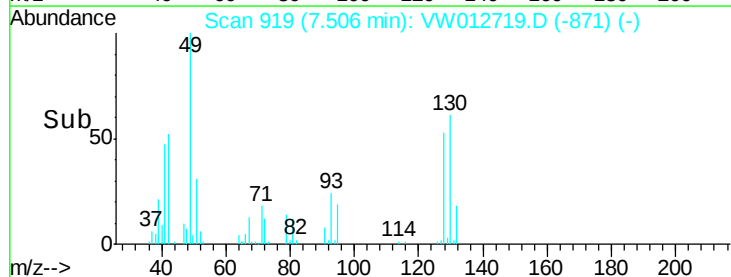
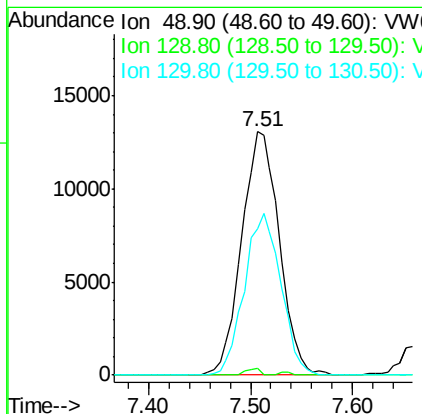
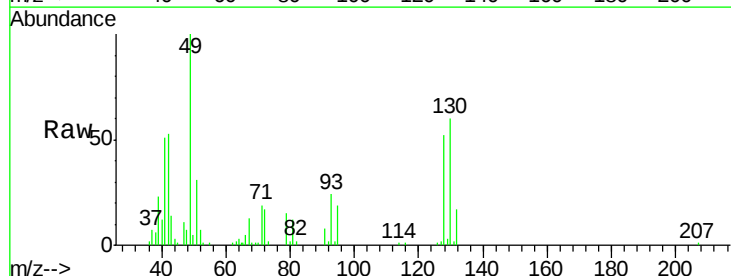
MMDadoda
 9/10/2019 1:02:54 PM



#28

Bromochloromethane
 Concen: 16.057 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	33435		
129	1.0	0.0	0.8#	
130	64.5	49.8	74.8	





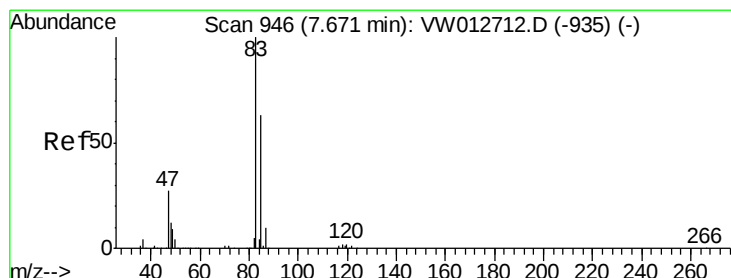
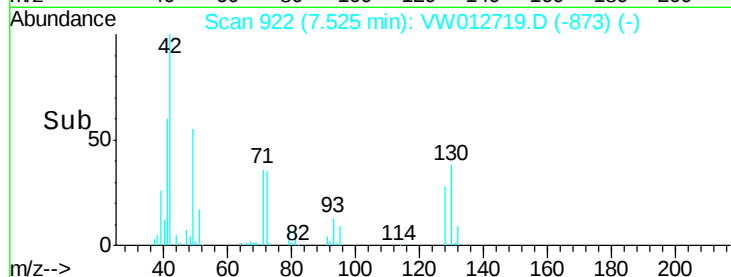
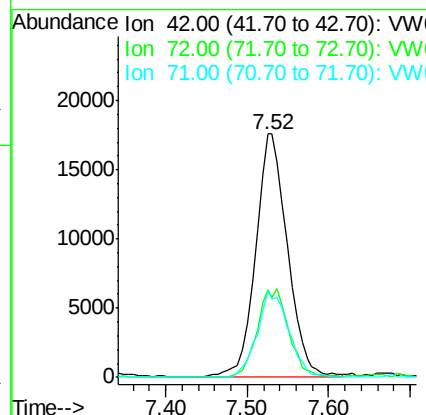
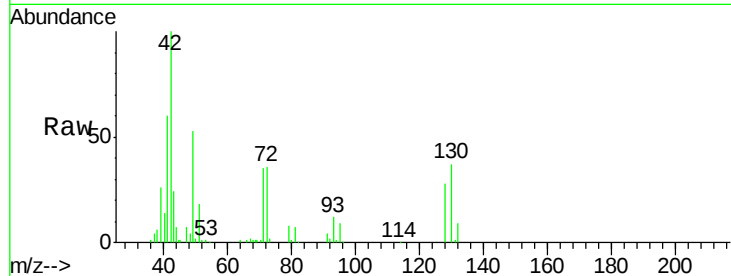
#29
Tetrahydrofuran
Concen: 78.689 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	28.4	42.6
71	34.7	27.1	40.7

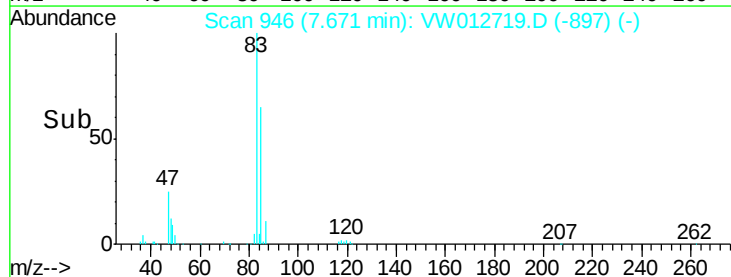
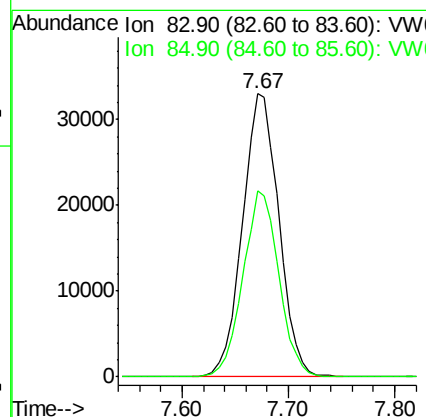
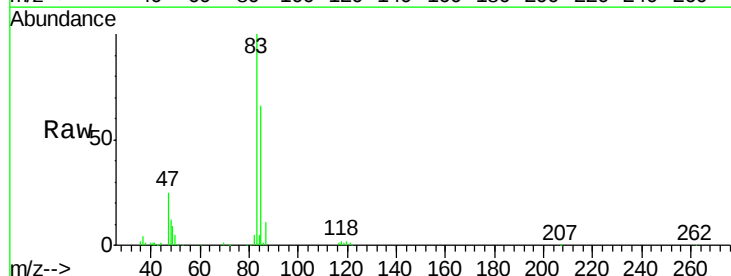
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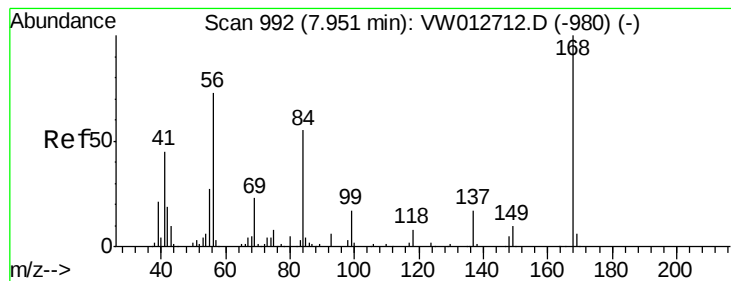
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#30
Chloroform
Concen: 17.586 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.6	76.0





#31

Cyclohexane

Concen: 19.614 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS01

Tot Ion: 56 Resp: 80077

Ion Ratio Lower Upper

56 100

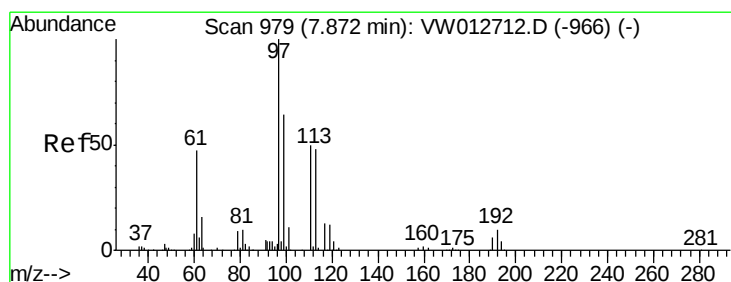
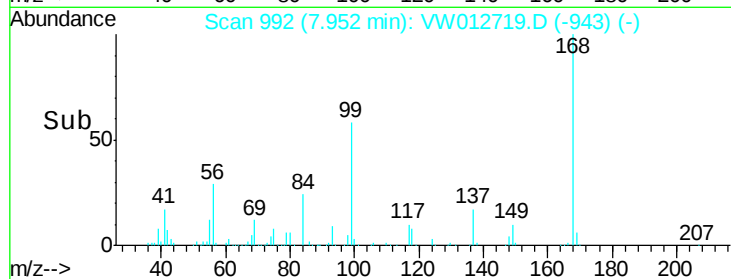
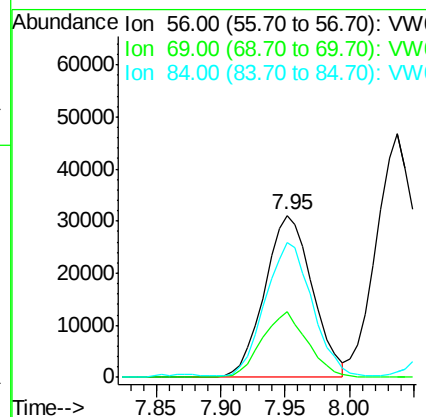
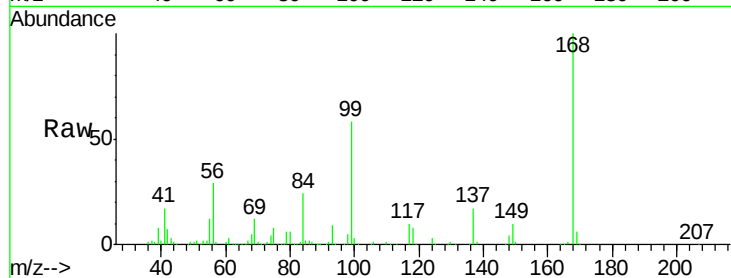
69 40.6 25.7 38.5#

84 81.4 60.4 90.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.092 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

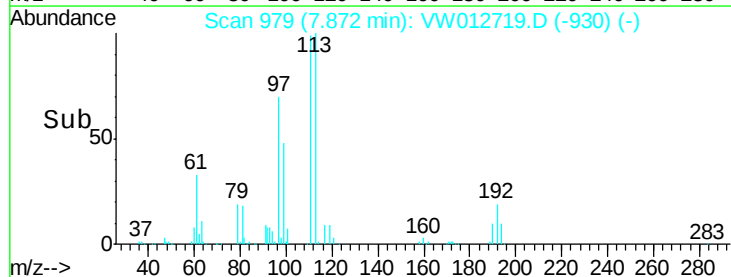
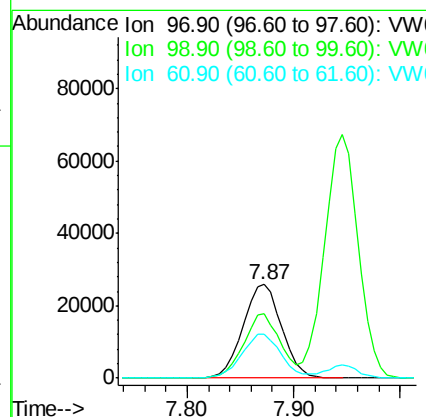
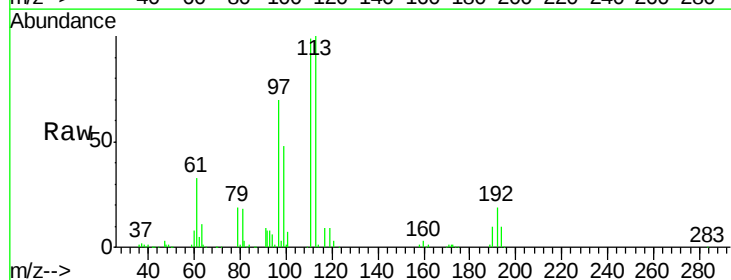
Tgt Ion: 97 Resp: 65909

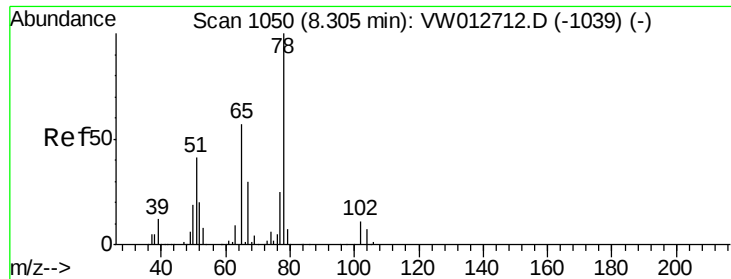
Ion Ratio Lower Upper

97 100

99 65.2 51.5 77.3

61 47.5 37.9 56.9





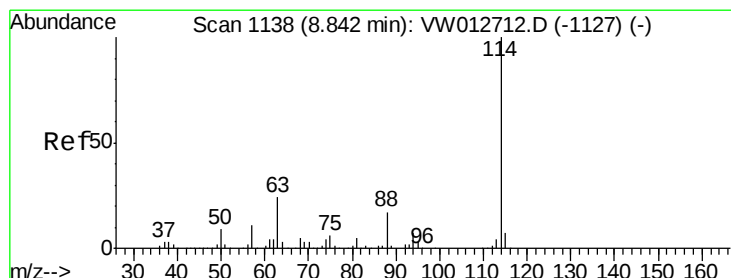
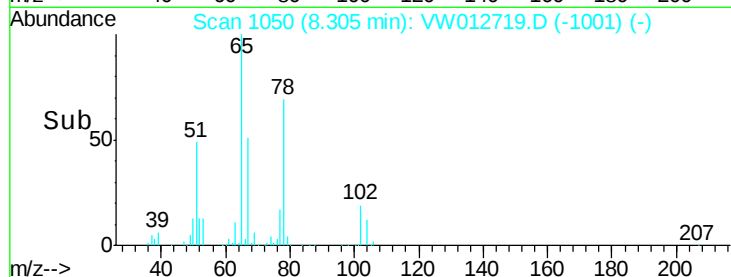
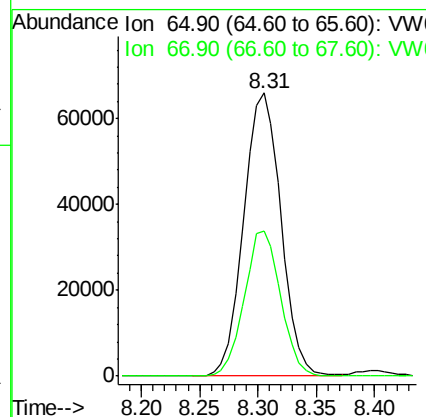
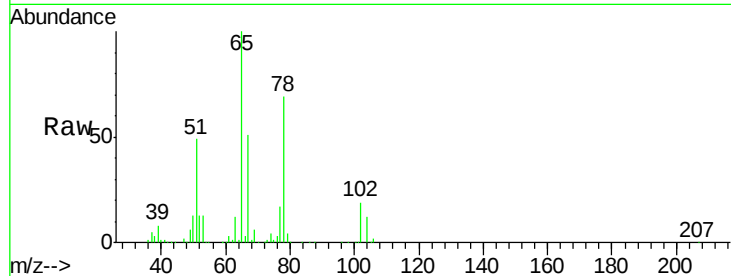
#33
 1,2-Dichloroethane-d4
 Concen: 53.028 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	147279		
67	49.9	0.0	101.8	

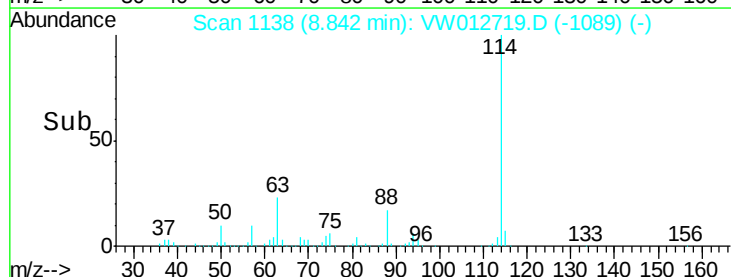
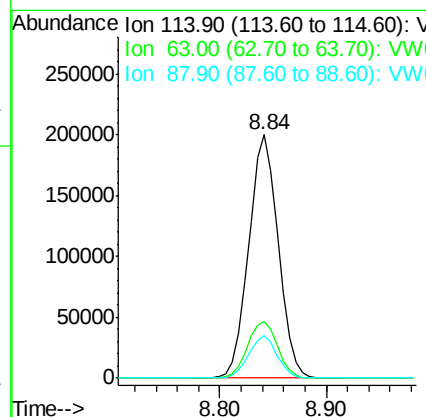
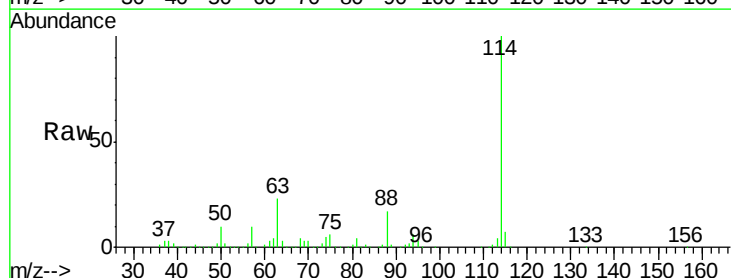
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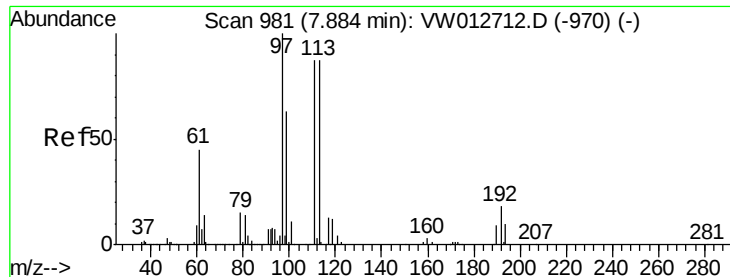
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	388783		
63	23.3	0.0	47.2	
88	17.4	0.0	34.0	





#35

Dibromofluoromethane

Concen: 46.069 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

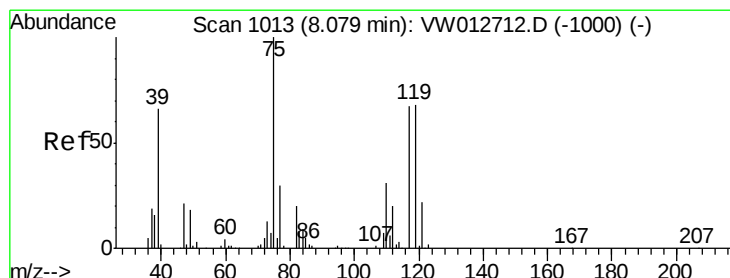
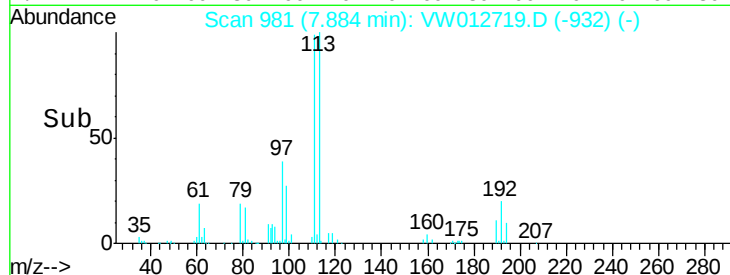
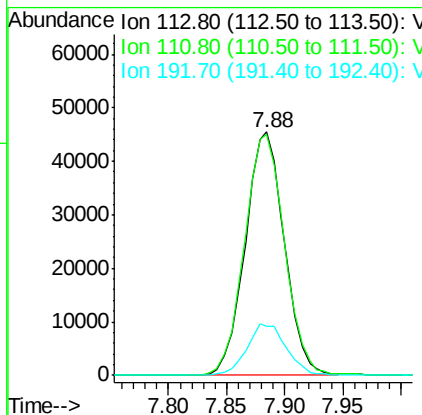
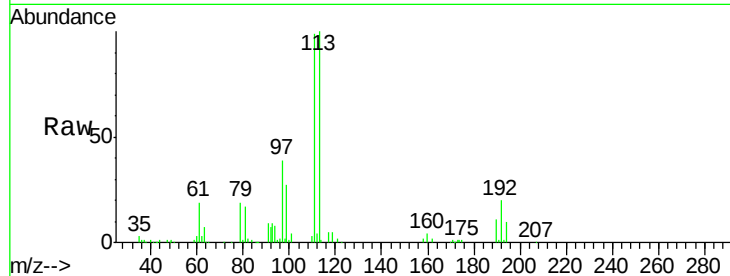
ClientSampleId :

VW0907SBS01

Tot Ion:	113	Resp:	106486
Ion Ratio	Lower	Upper	
113	100		
111	101.6	80.2	120.4
192	21.3	17.3	25.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.221 ug/l

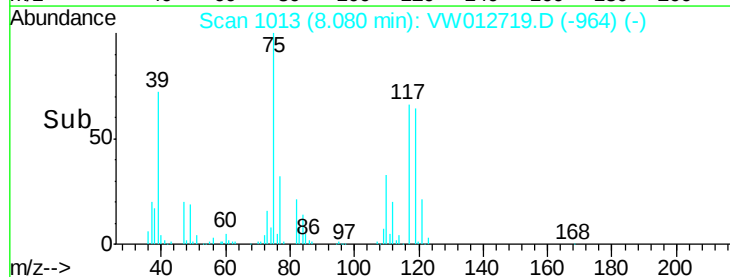
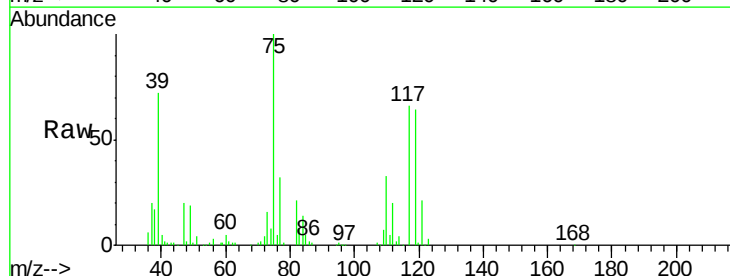
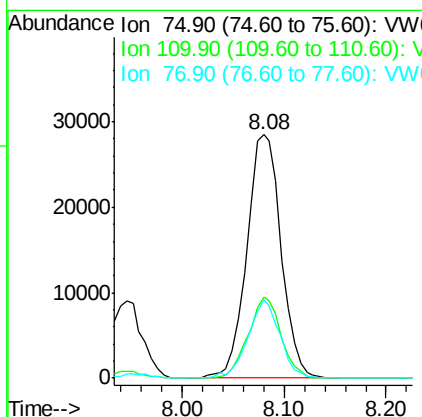
RT: 8.08 min Scan# 1013

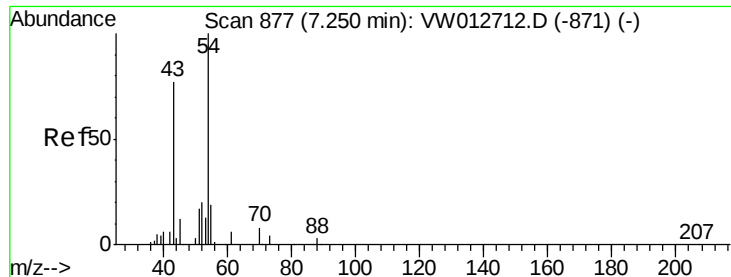
Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Tgt Ion:	75	Resp:	66398
Ion Ratio	Lower	Upper	
75	100		
110	32.0	15.9	47.7
77	30.4	25.0	37.4





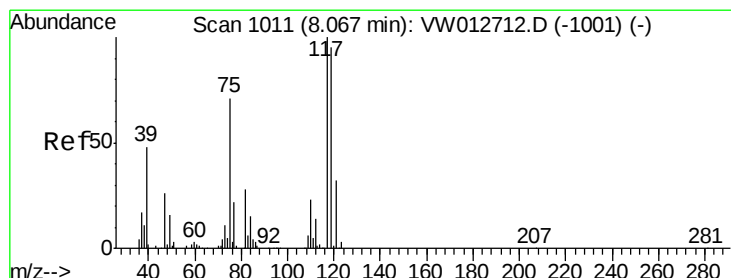
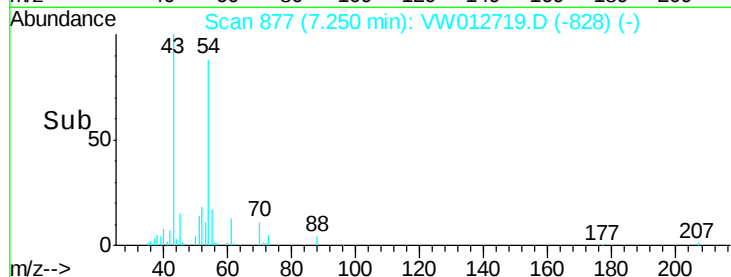
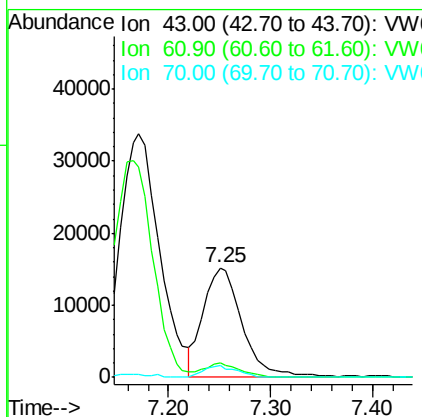
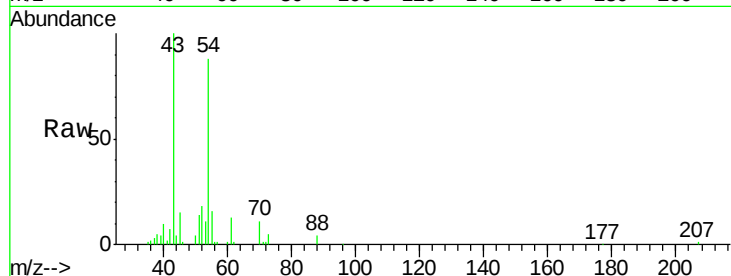
#37
Ethyl Acetate
Concen: 18.021 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	39684		
61	12.3		9.5	14.3
70	9.5		7.0	10.6

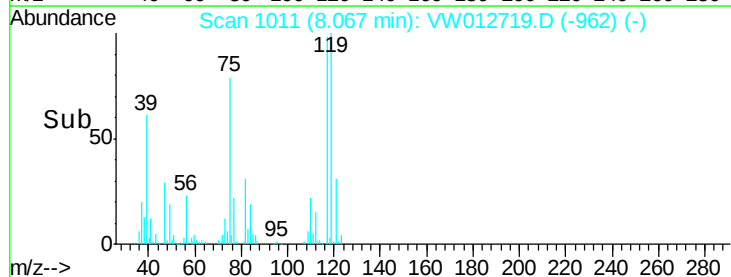
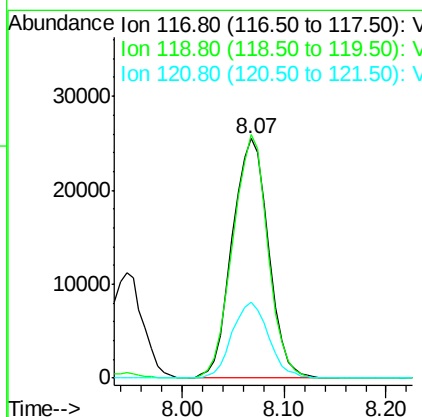
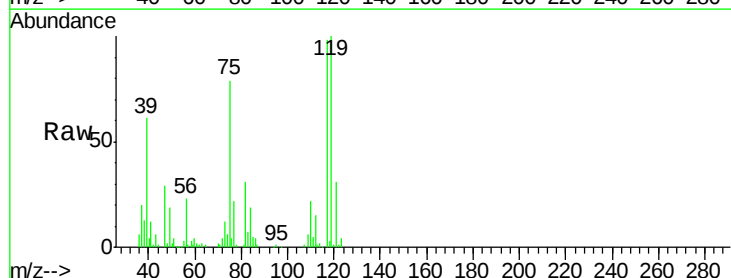
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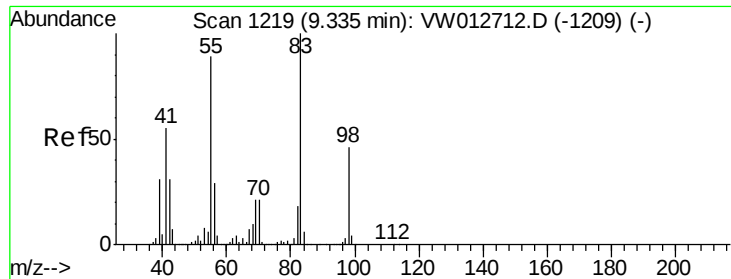
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#38
Carbon Tetrachloride
Concen: 18.460 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	62861		
119	101.8		76.2	114.2
121	31.7		25.4	38.2





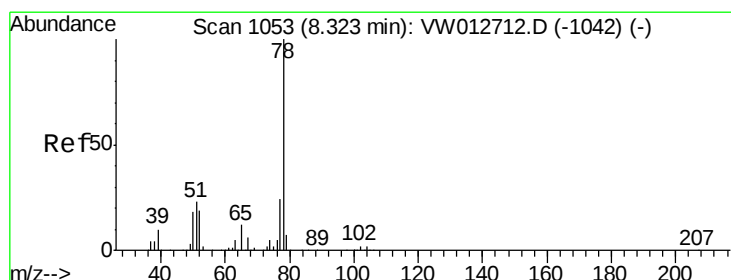
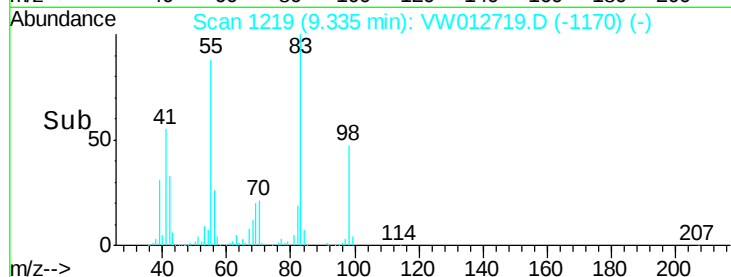
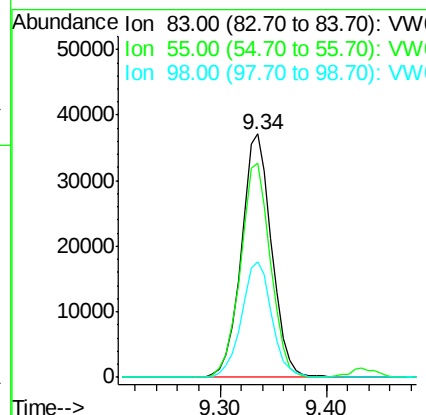
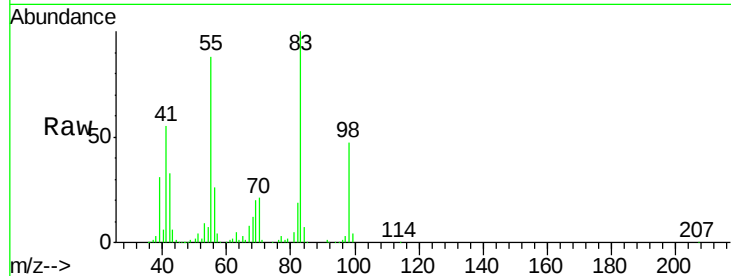
#39
Methvlcvclohexane
Concen: 19.106 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.8	71.0	106.4
98	47.4	36.9	55.3

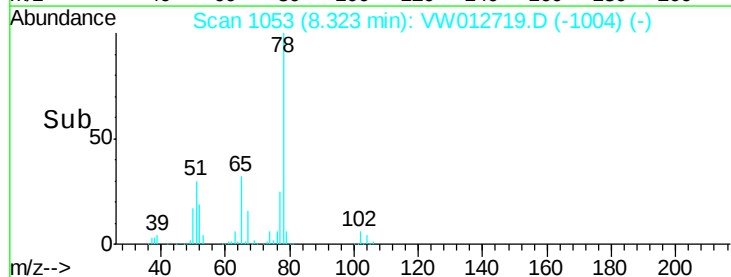
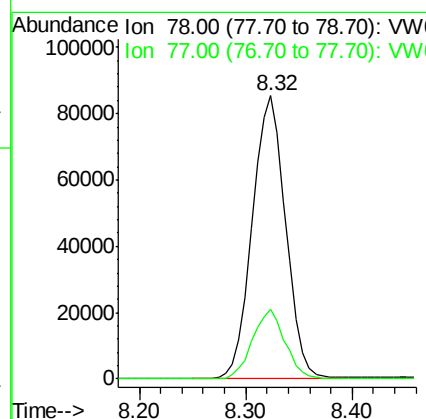
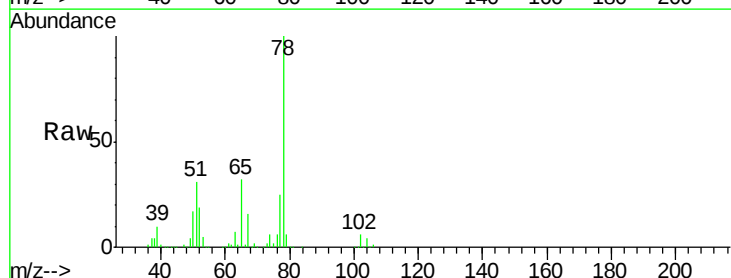
Manual Integrations
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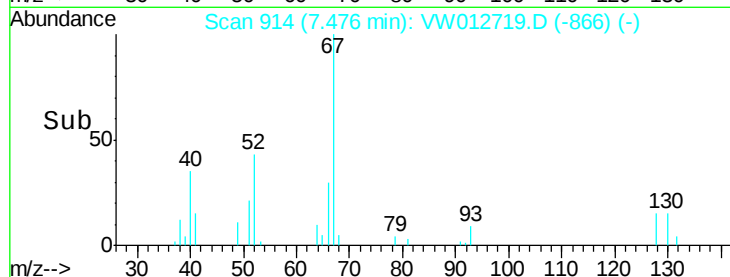
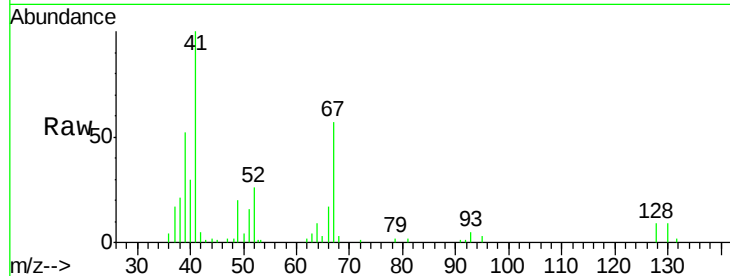
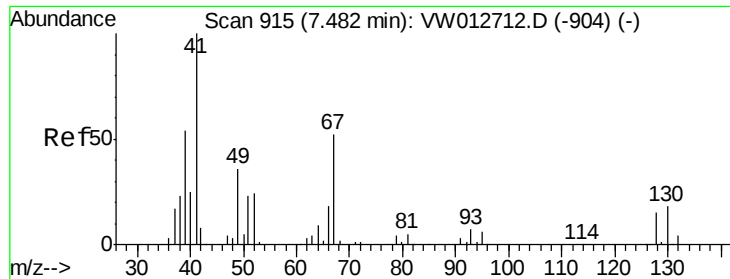
MMDadoda
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#40
Benzene
Concen: 19.633 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.3	28.9





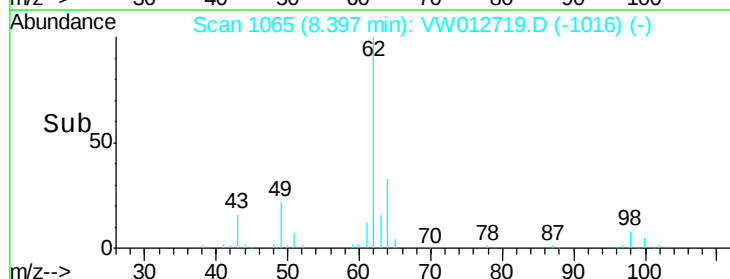
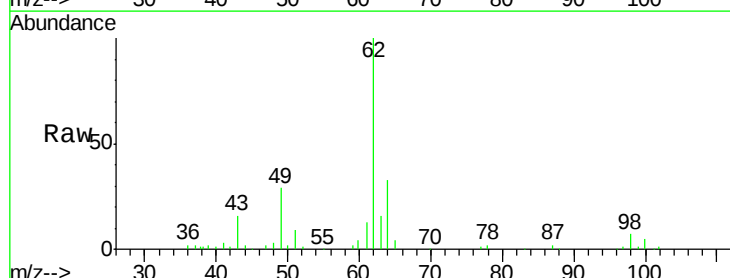
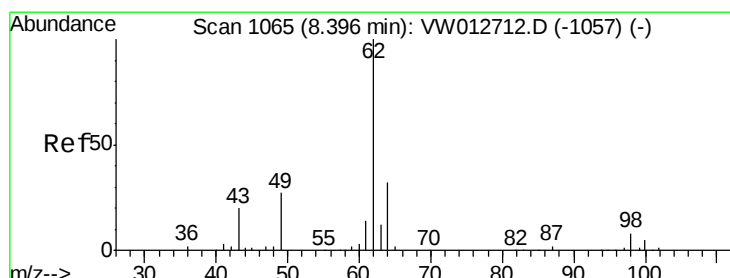
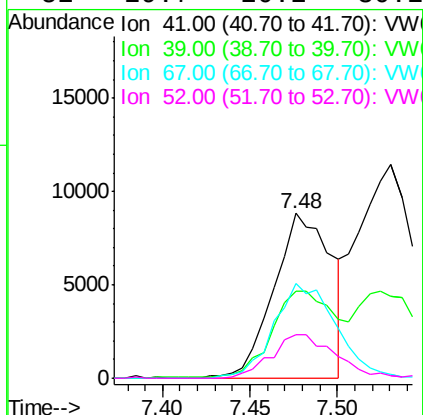
#41
Methacrylonitrile
Concen: 16.315 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tot Ion	Ion	Ratio	Lower	Upper
41	41.00	100		
39	39.00	59.4	47.5	71.3
67	67.00	62.6	45.1	67.7
52	52.00	29.7	20.2	30.2

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS01

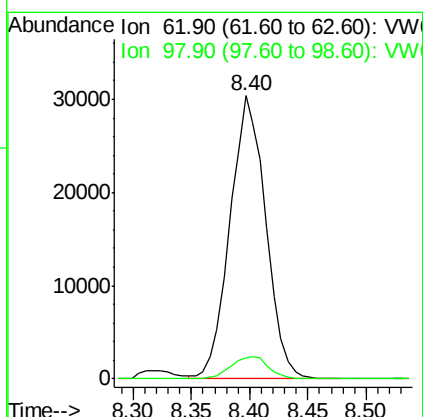
Manual Integrations
APPROVED

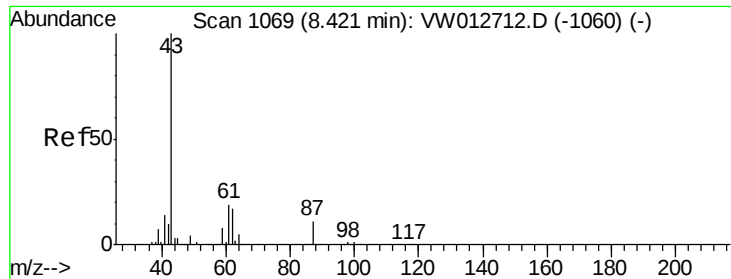
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.235 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	62.00	100		
98	98.00	8.2	0.0	16.2





#43

Isopropyl Acetate

Concen: 17.428 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

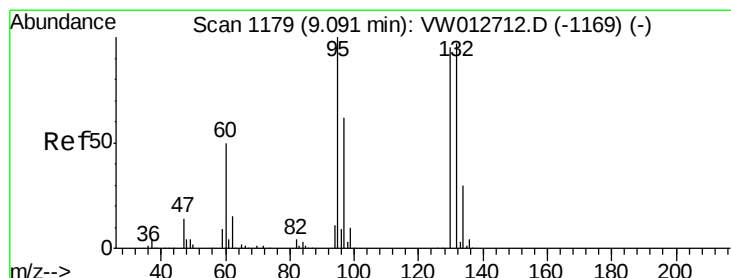
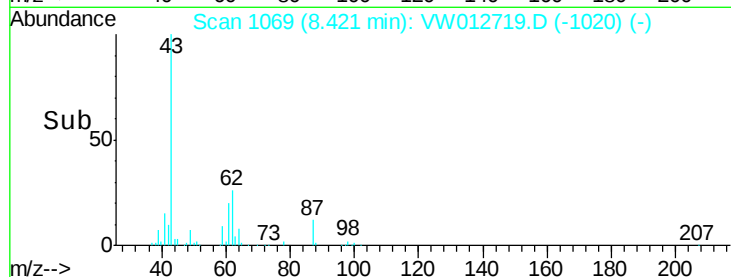
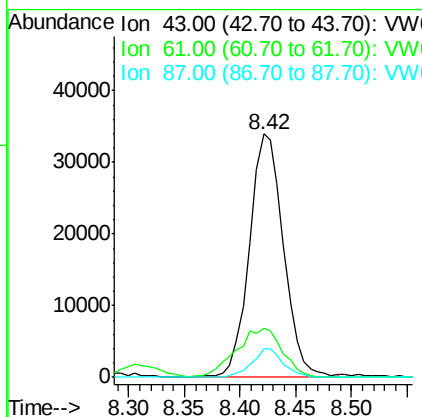
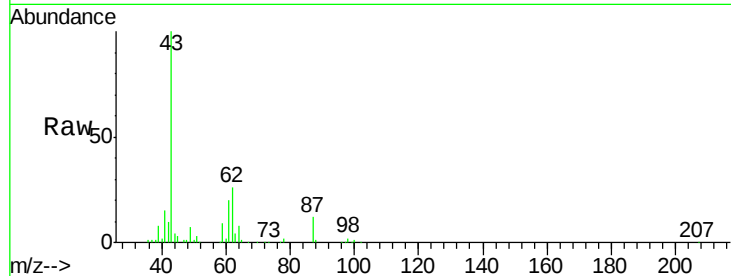
ClientSampleId :

VW0907SBS01

Tot Ion:	43	Resp:	72710
Ion	Ratio	Lower	Upper
43	100		
61	27.4	20.6	30.8
87	10.8	8.6	13.0

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#44

Trichloroethene

Concen: 18.480 ug/l

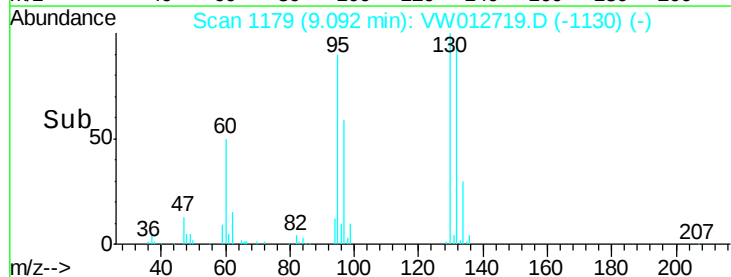
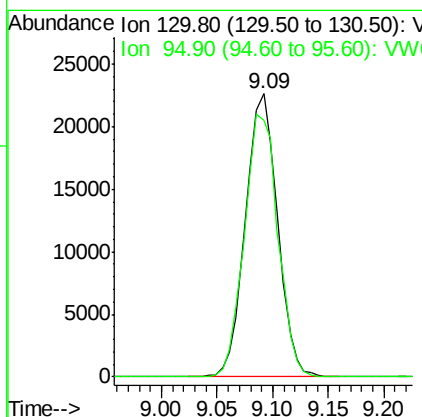
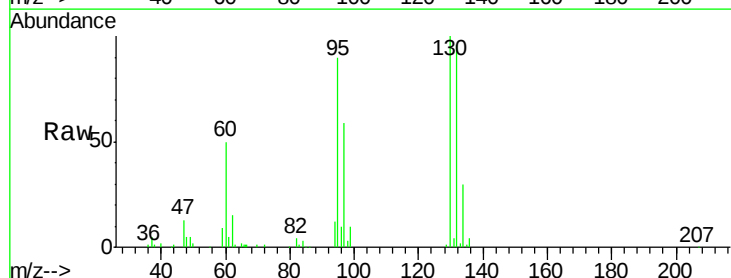
RT: 9.09 min Scan# 1179

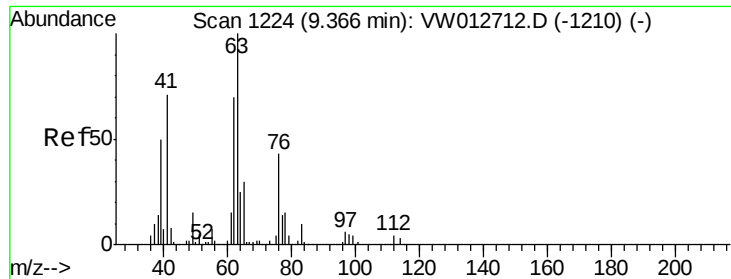
Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Tgt Ion:	130	Resp:	45655
Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	210.6





#45

1,2-Dichloropropane

Concen: 18.751 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS01

Tot Ion: 63 Resp: 49844

Ion Ratio Lower Upper

63 100

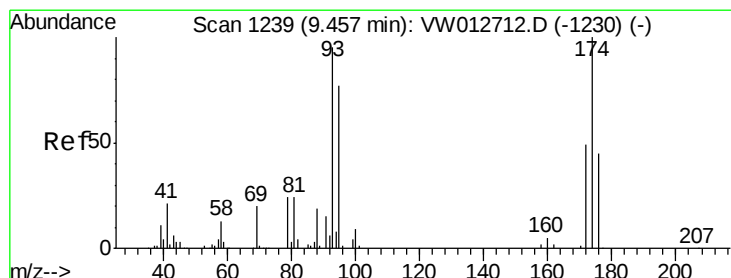
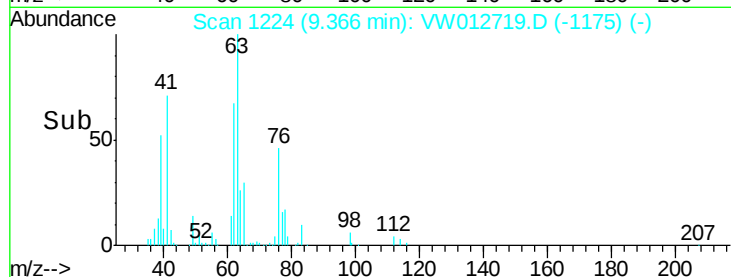
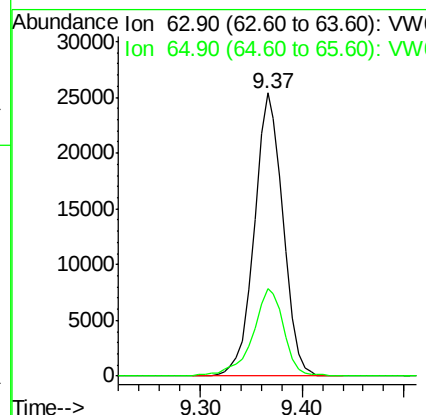
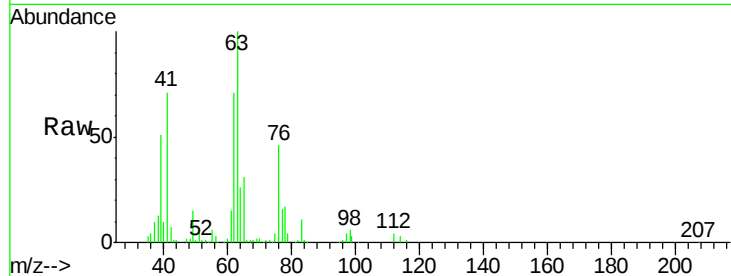
65 30.8 23.8 35.8

Manual Integrations

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#46

Dibromomethane

Concen: 19.104 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

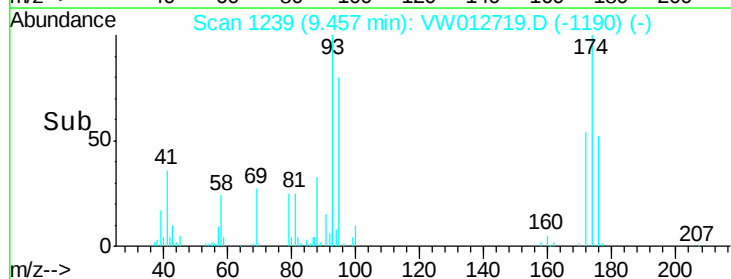
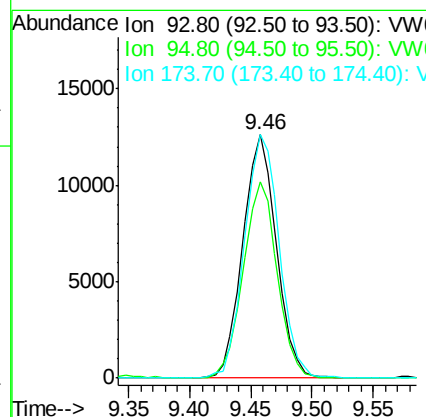
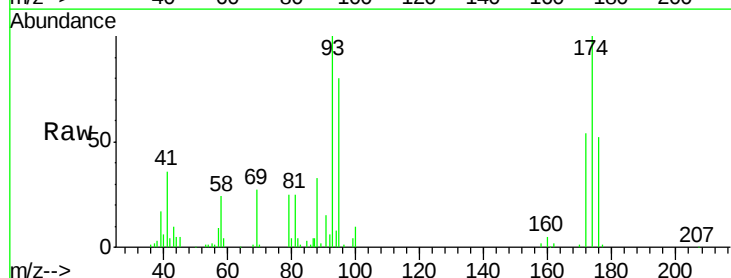
Tgt Ion: 93 Resp: 24048

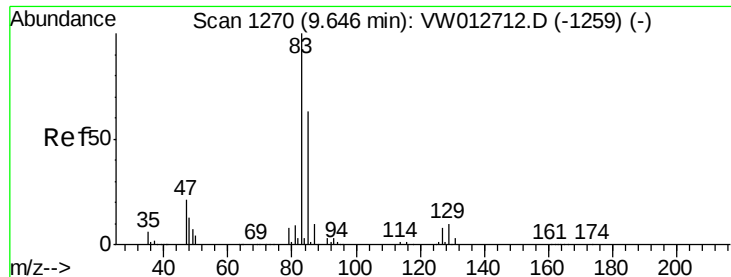
Ion Ratio Lower Upper

93 100

95 81.3 65.2 97.8

174 103.4 84.2 126.4





#47

Bromodichloromethane

Concen: 19.221 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

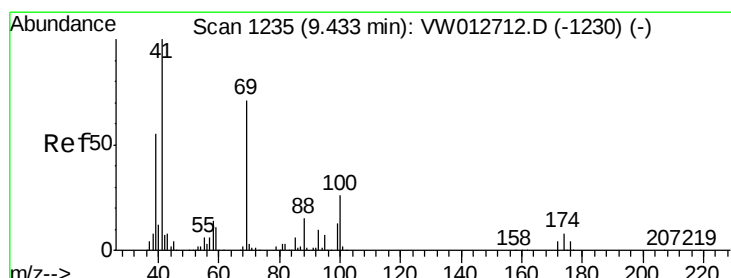
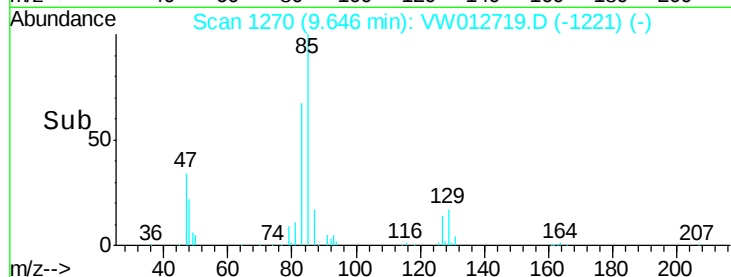
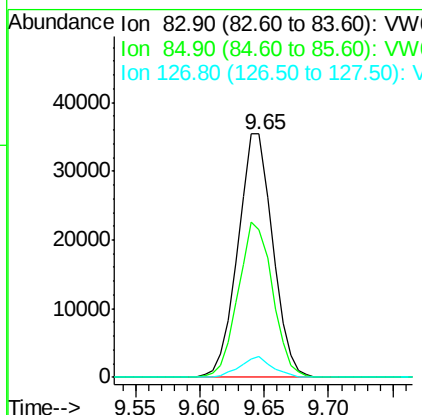
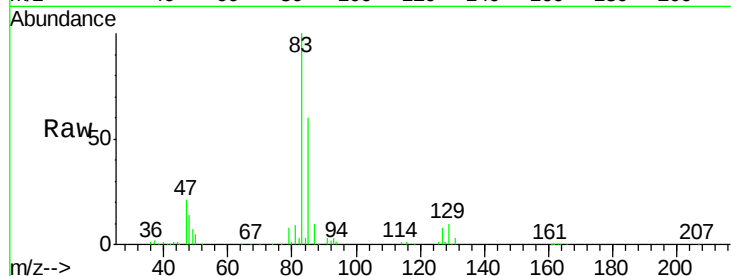
ClientSampleId :

VW0907SBS01

Tot Ion:	83	Resp:	66567
Ion	Ratio	Lower	Upper
83	100		
85	60.4	50.2	75.2
127	8.5	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.633 ug/l

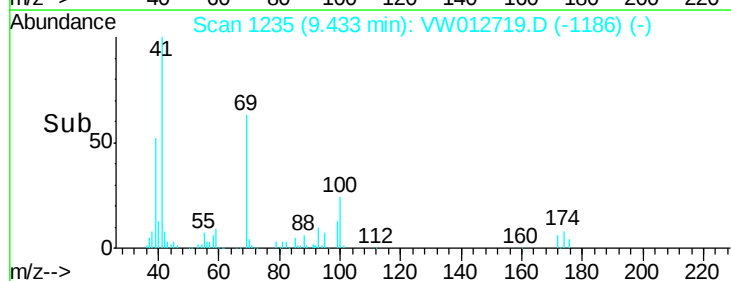
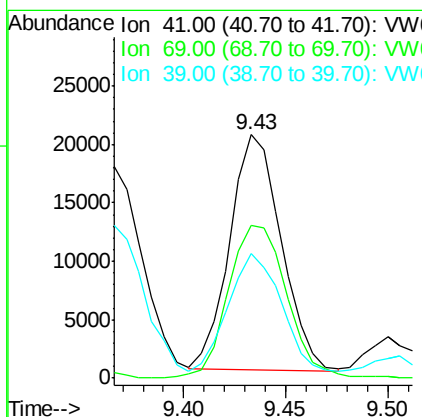
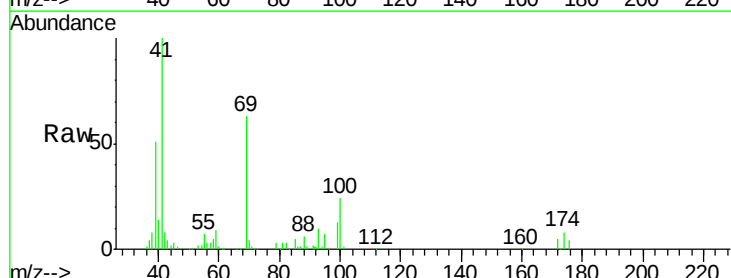
RT: 9.43 min Scan# 1235

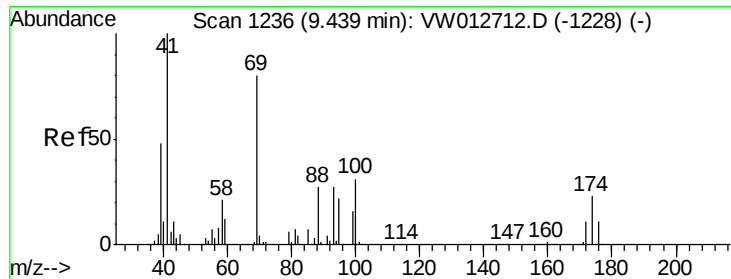
Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Tgt Ion:	41	Resp:	35157
Ion	Ratio	Lower	Upper
41	100		
69	74.4	59.8	89.8
39	58.3	47.0	70.6





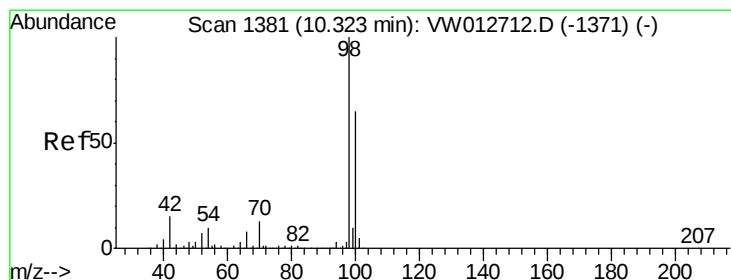
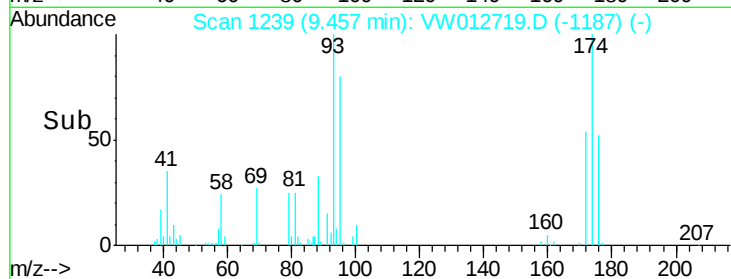
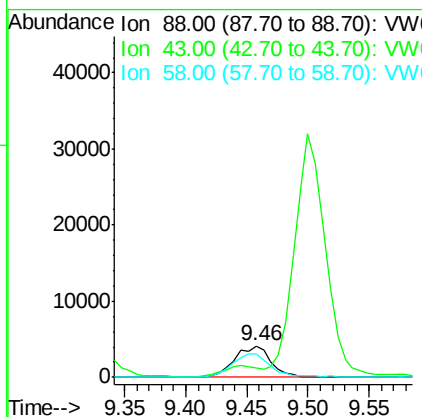
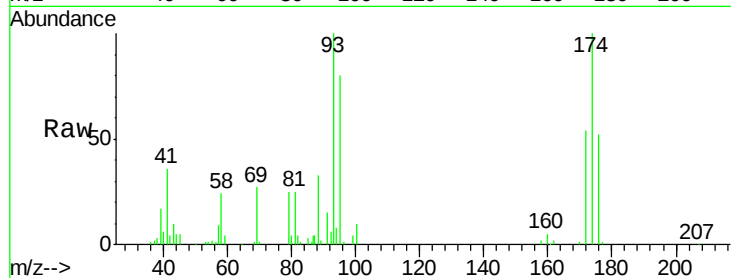
#49
1,4-Dioxane
Concen: 343.861 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.02 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	8550		
43	34.9		34.8	52.2
58	81.4		64.1	96.1

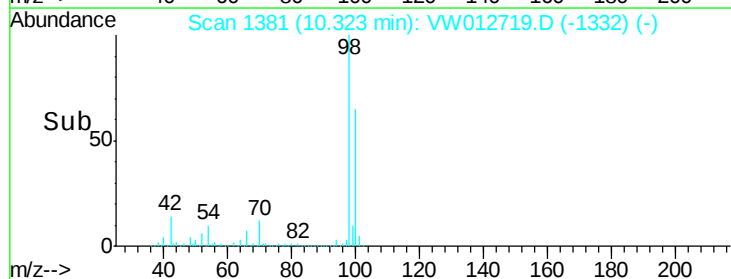
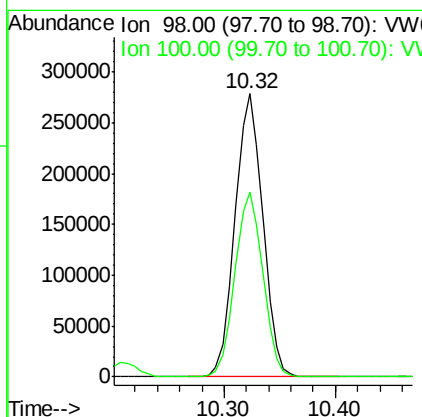
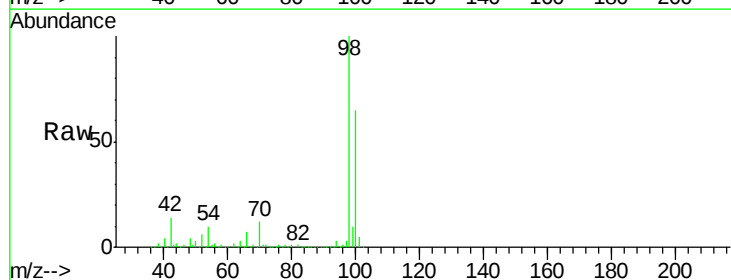
Manual Integrations
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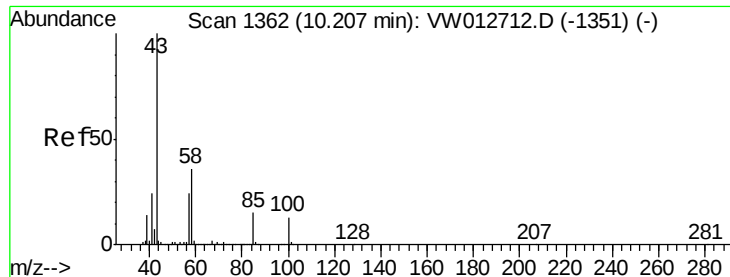
MMDadoda
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#50
Toluene-d8
Concen: 53.257 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	482275		
100	65.4		52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 90.635 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS01

Tot Ion: 43 Resp: 198417

Ion Ratio Lower Upper

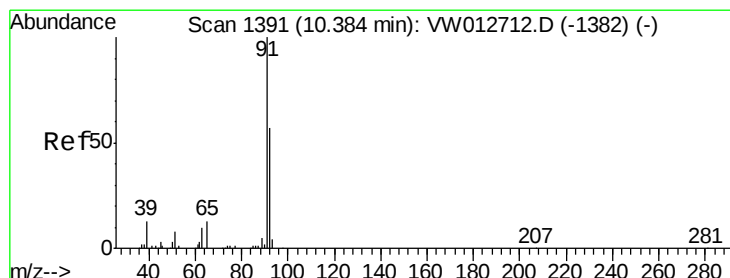
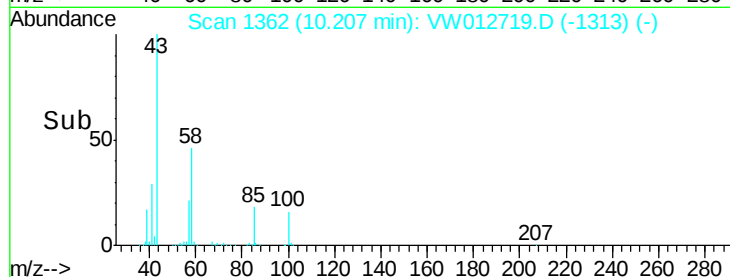
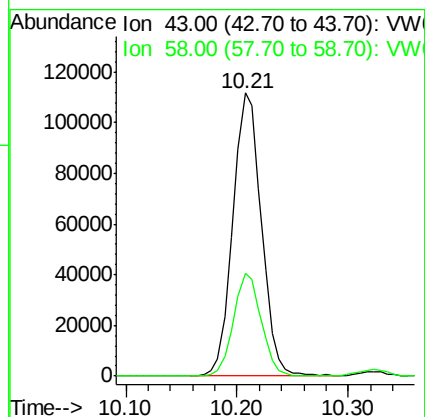
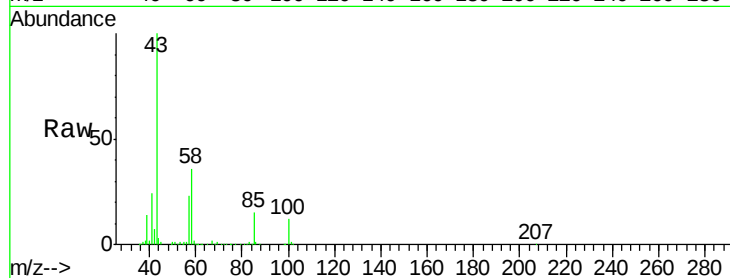
43 100

58 35.2 28.4 42.6

Manual Integrations
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#52

Toluene

Concen: 19.698 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW012719.D

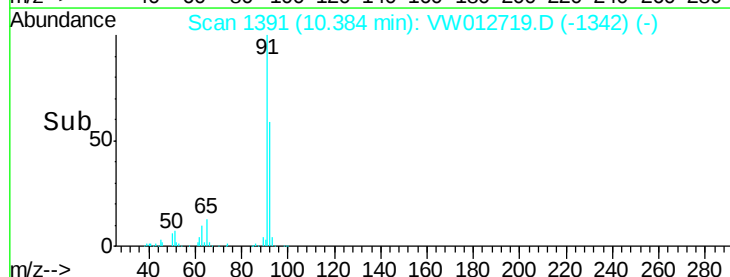
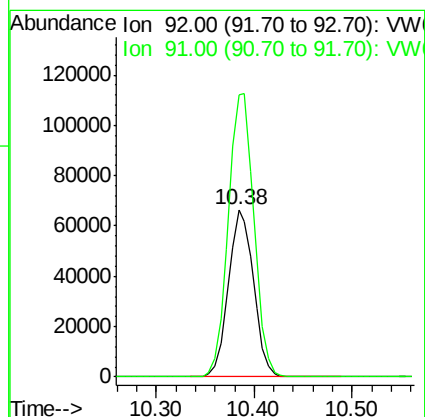
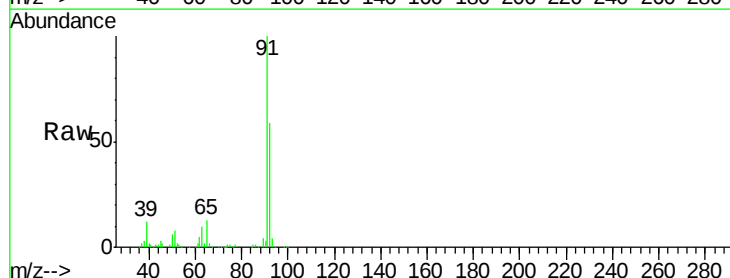
Acq: 07 Sep 2019 15:11

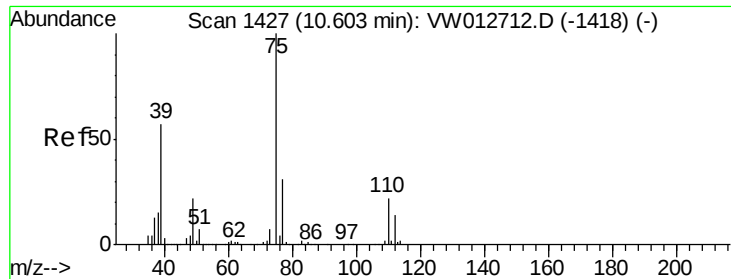
Tgt Ion: 92 Resp: 117832

Ion Ratio Lower Upper

92 100

91 173.3 137.0 205.4





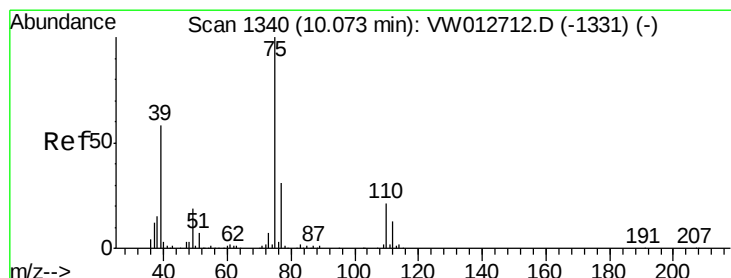
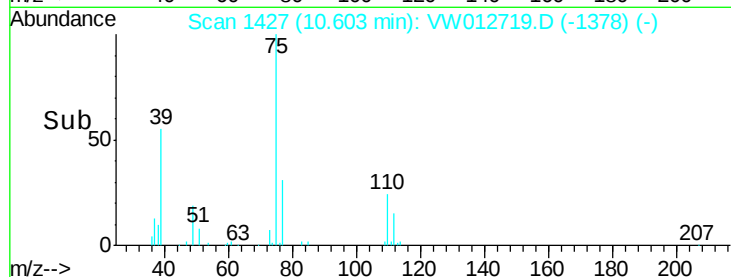
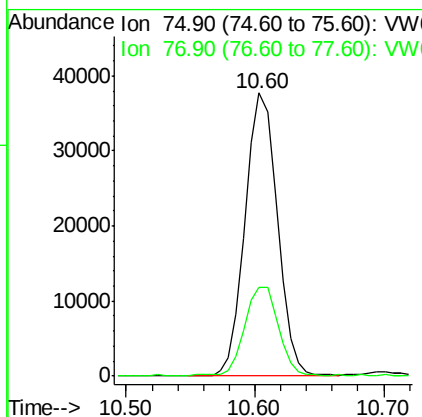
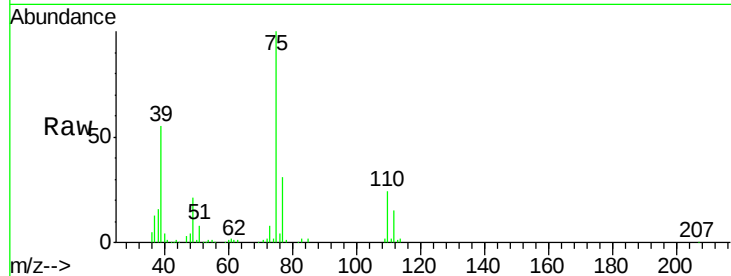
#53
 t-1,3-Dichloropropene
 Concen: 18.380 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS01

Tot Ion: 75 Resp: 65453
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.7 37.1

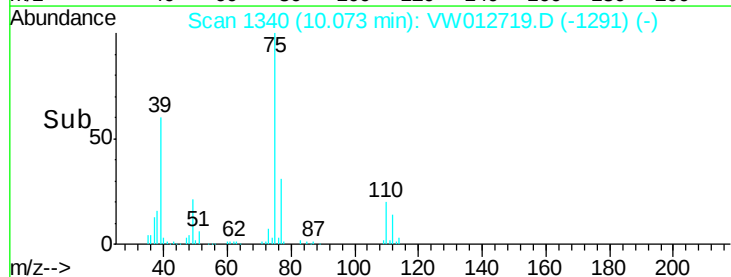
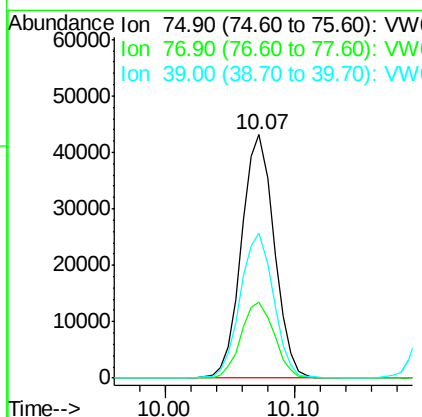
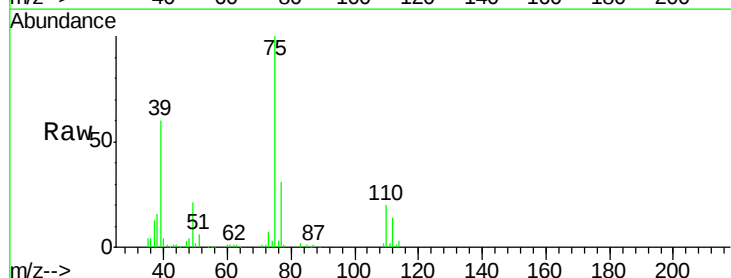
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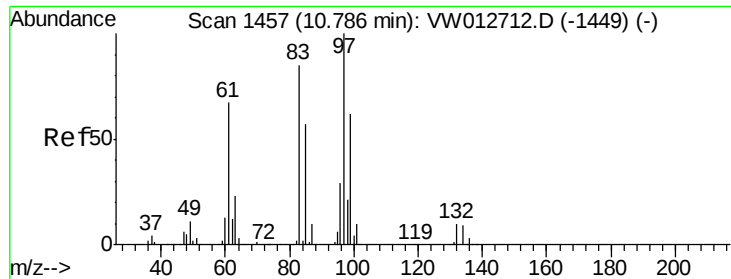
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#54
 cis-1,3-Dichloropropene
 Concen: 18.767 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Tgt Ion: 75 Resp: 75816
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.6 36.8
 39 59.3 46.3 69.5





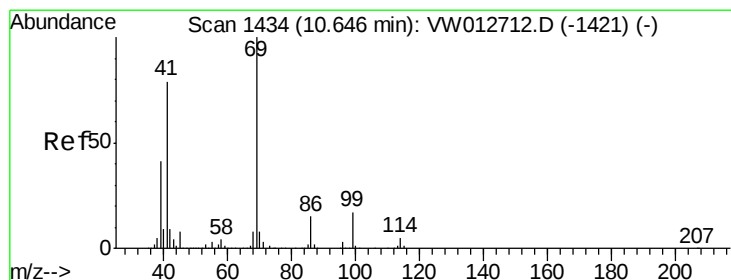
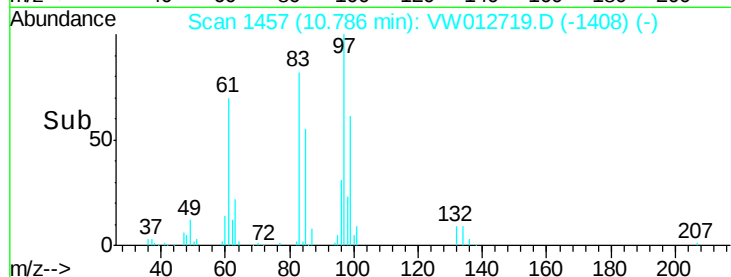
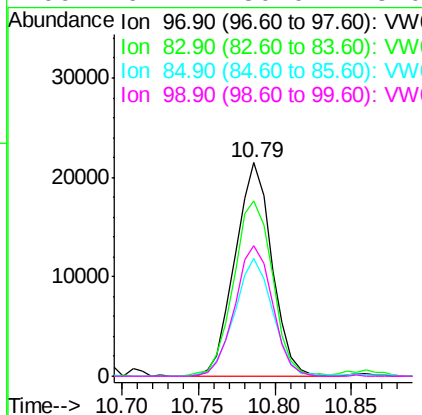
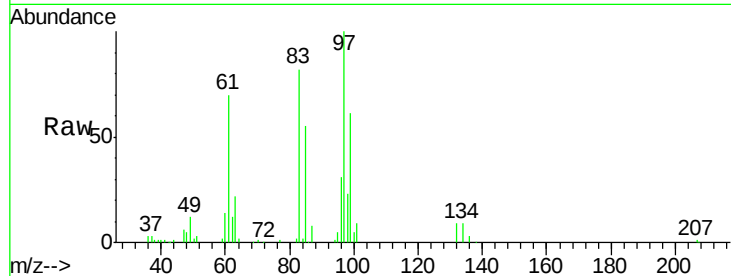
#55
 1,1,2-Trichloroethane
 Concen: 19.089 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS01

Tot Ion:	97	Resp:	35975
Ion	Ratio	Lower	Upper
97	100		
83	82.0	68.1	102.1
85	55.1	45.3	67.9
99	61.4	50.0	75.0

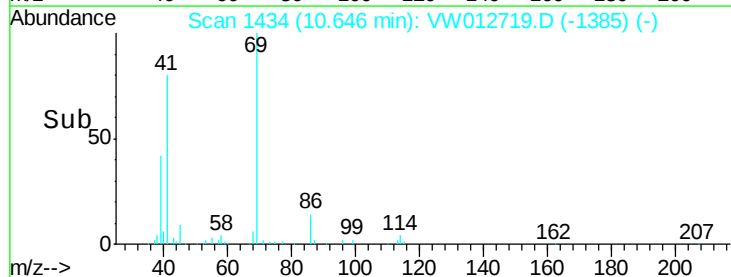
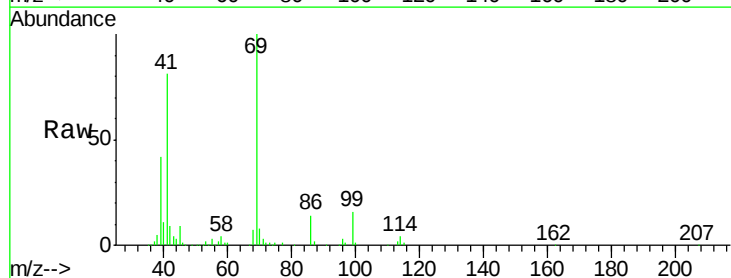
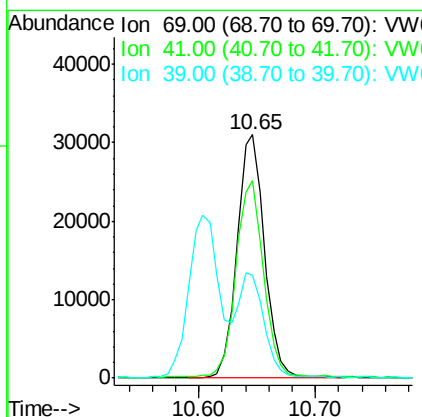
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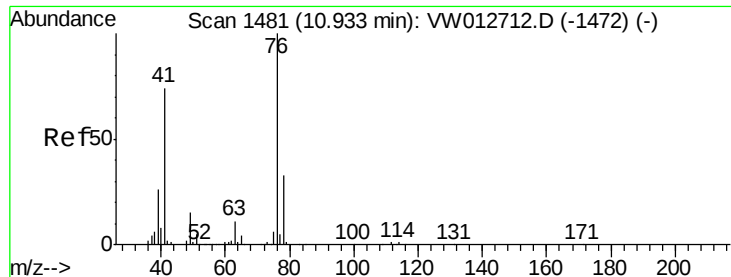
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#56
 Ethyl methacrylate
 Concen: 18.511 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Tgt Ion:	69	Resp:	51066
Ion	Ratio	Lower	Upper
69	100		
41	79.5	64.4	96.6
39	38.9	31.1	46.7





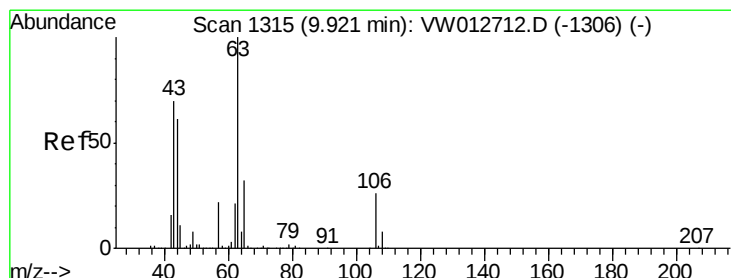
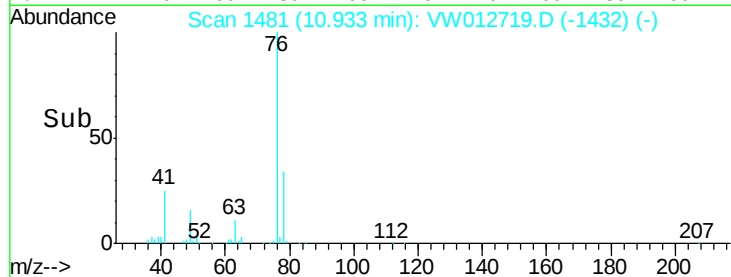
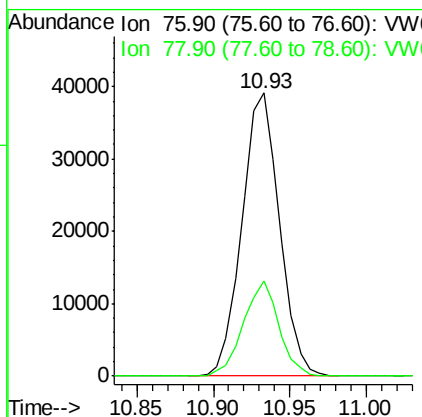
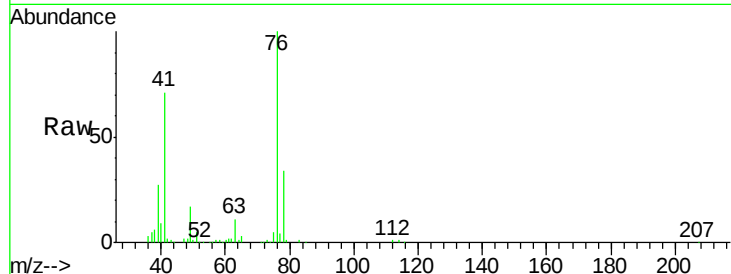
#57
 1,3-Dichloropropane
 Concen: 19.098 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS01

Tot Ion: 76 Resp: 66582
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.9 38.9

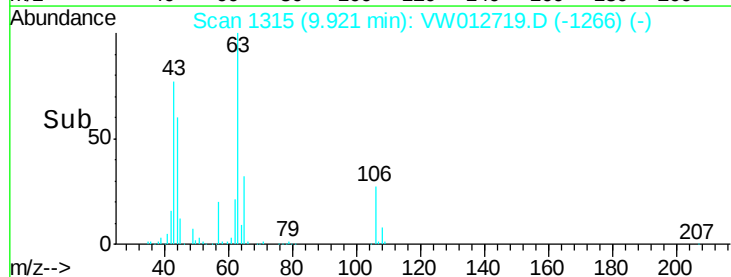
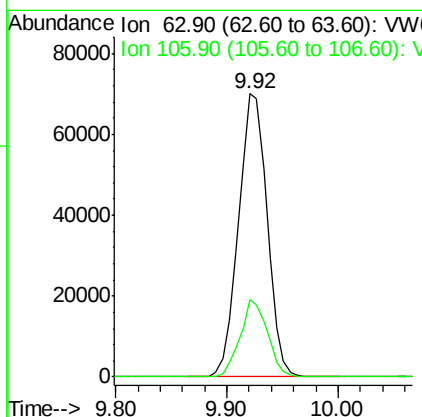
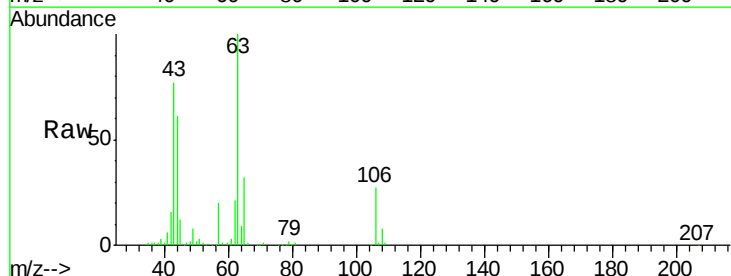
Manual Integrations
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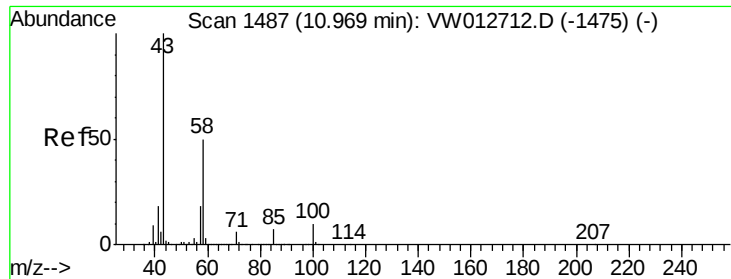
MMDadoda
 9/10/2019 1:02:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.640 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Tgt Ion: 63 Resp: 125419
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.5 30.7





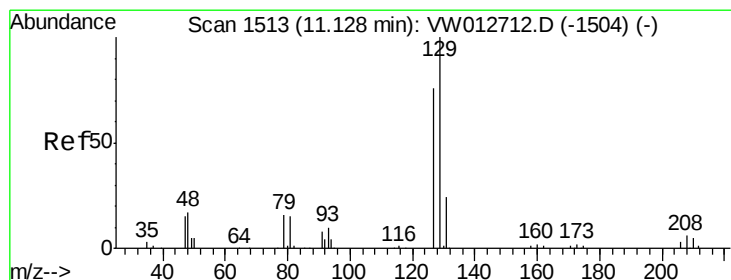
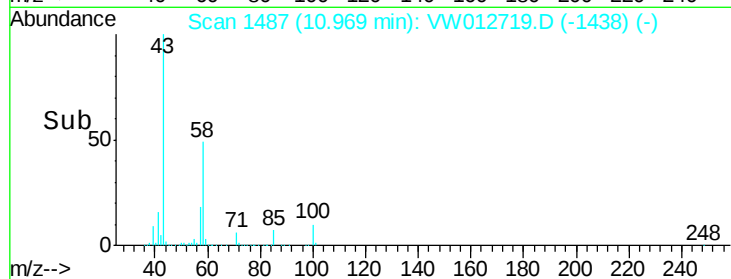
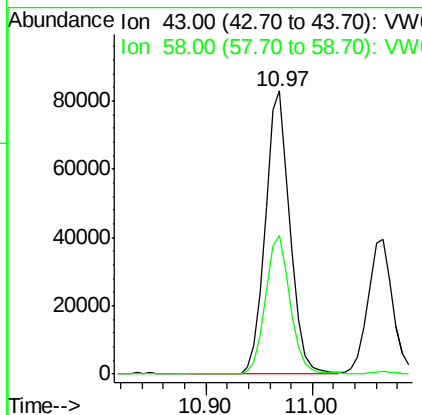
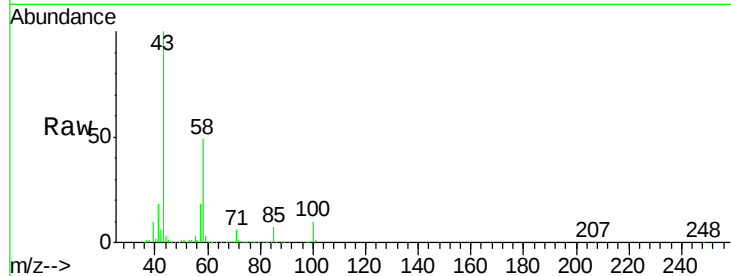
#59
2-Hexanone
Concen: 83.812 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS01

Tot Ion: 43 Resp: 134047
Ion Ratio Lower Upper
43 100
58 49.4 24.7 74.1

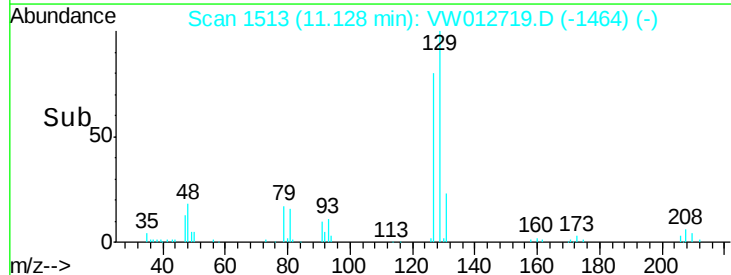
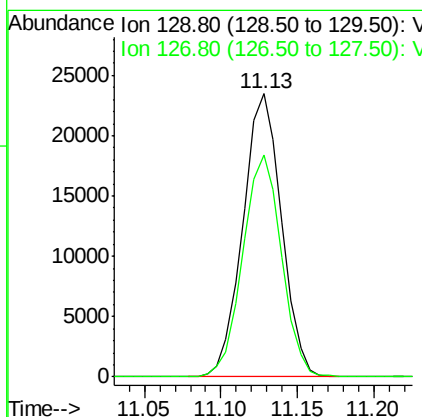
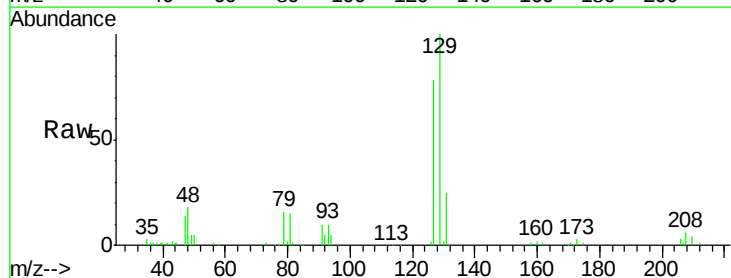
Manual Integrations
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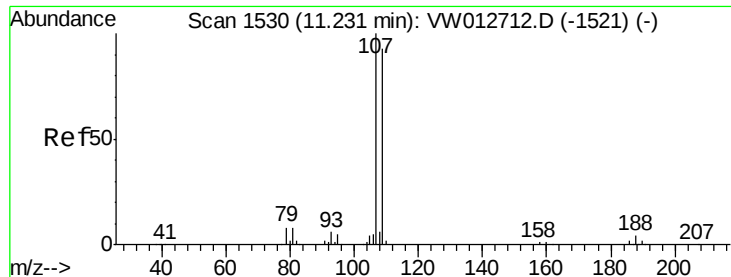
MMDadoda
9/10/2019 1:02:54 PM



#60
Dibromochloromethane
Concen: 18.591 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion: 129 Resp: 41205
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 18.632 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS01

Tot Ion:107 Resp: 32191

Ion Ratio Lower Upper

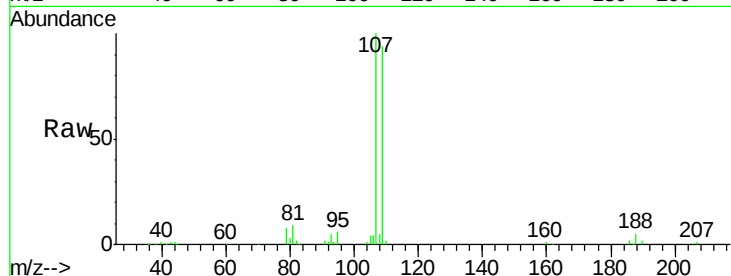
107 100

109 90.3 75.0 112.6

Manual Integrations
APPROVED

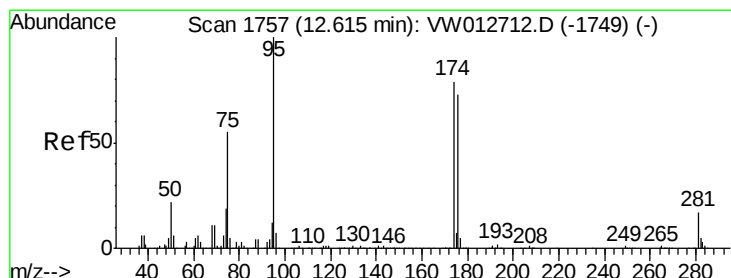
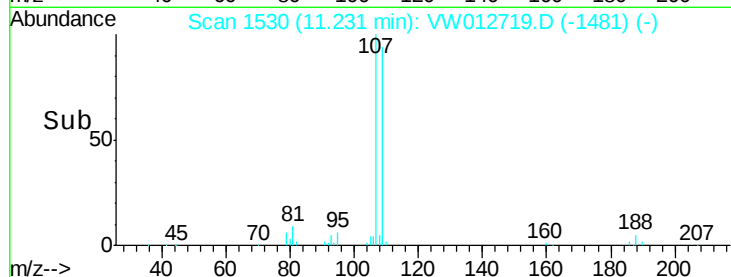
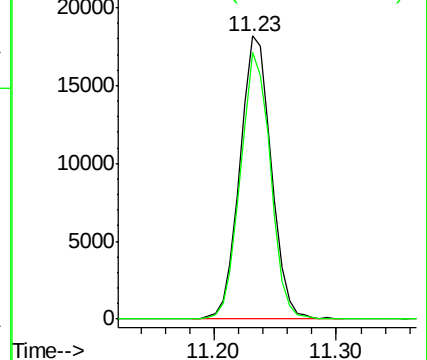
MMDadoda

9/10/2019 1:02:54 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.257 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

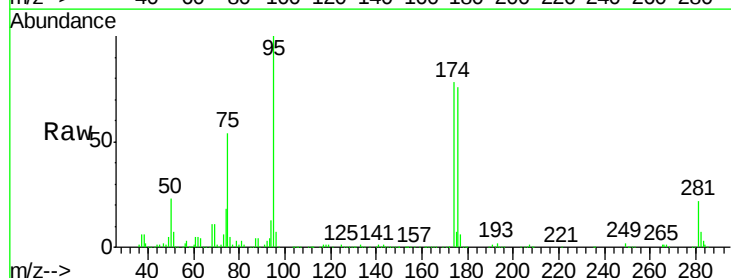
Tgt Ion: 95 Resp: 168506

Ion Ratio Lower Upper

95 100

174 80.3 0.0 161.0

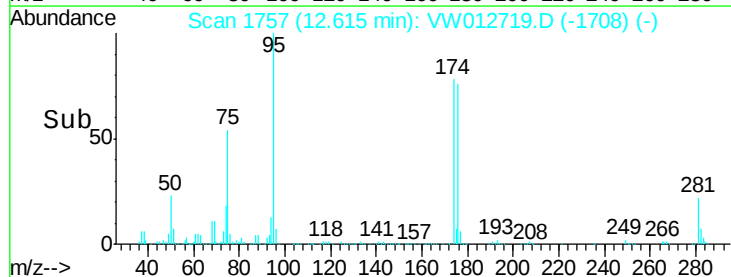
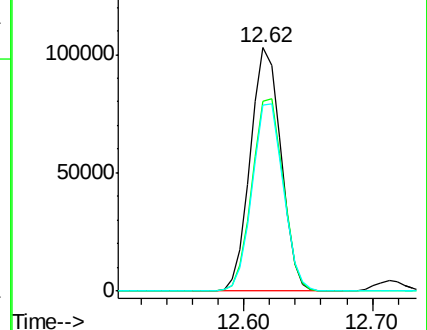
176 78.0 0.0 156.4

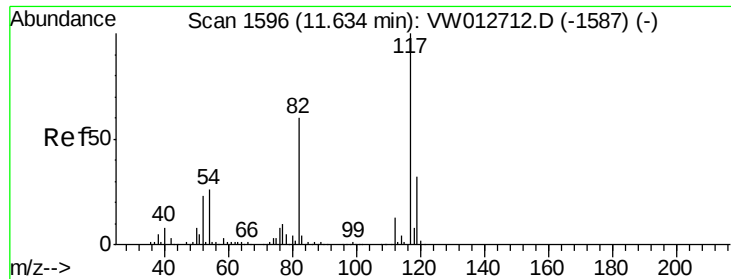


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





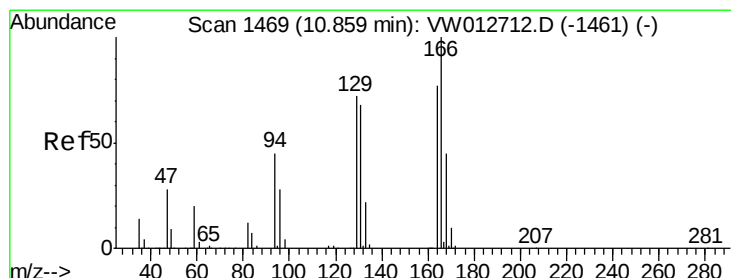
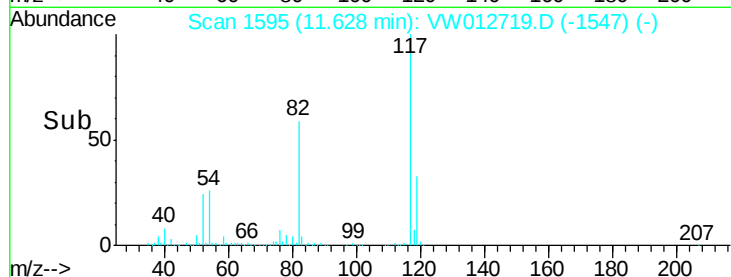
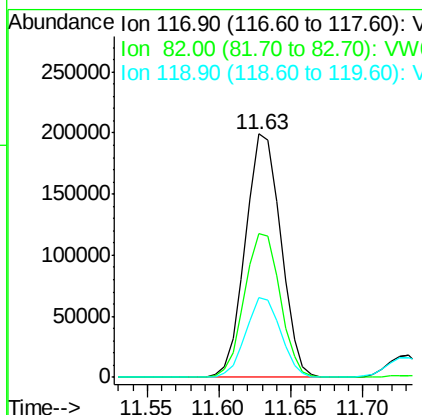
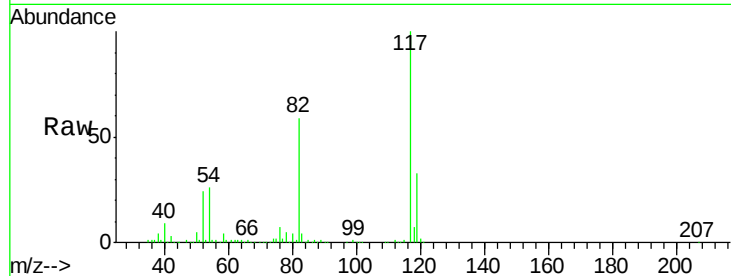
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	340044		
82	59.2		48.2	72.4
119	32.9		25.8	38.6

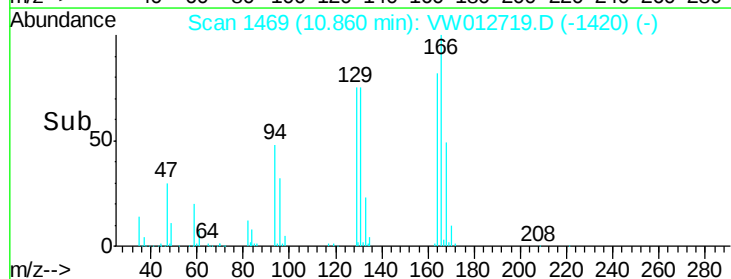
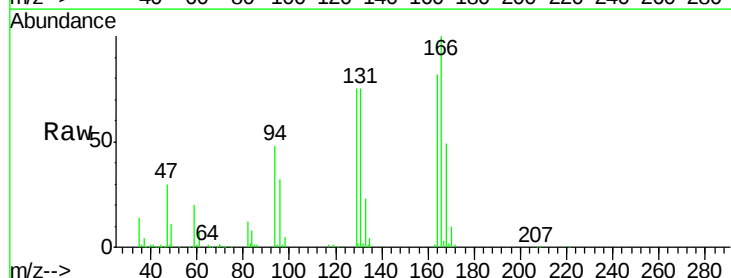
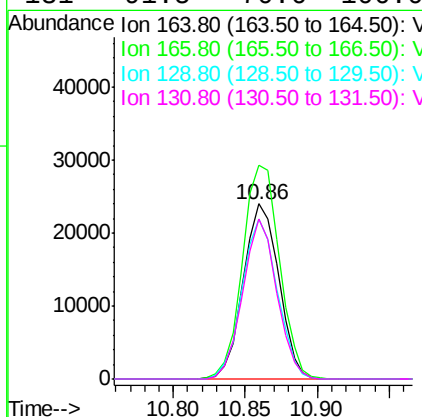
Manual Integrations
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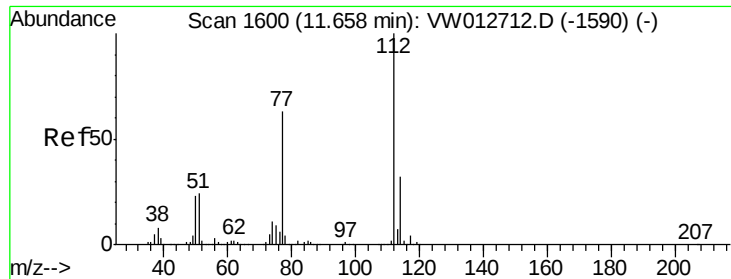
MMDadoda
9/10/2019 1:02:54 PM



#64
Tetrachloroethene
Concen: 19.892 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41044		
166	122.0		103.6	155.4
129	91.2		74.6	112.0
131	91.5		70.6	106.0





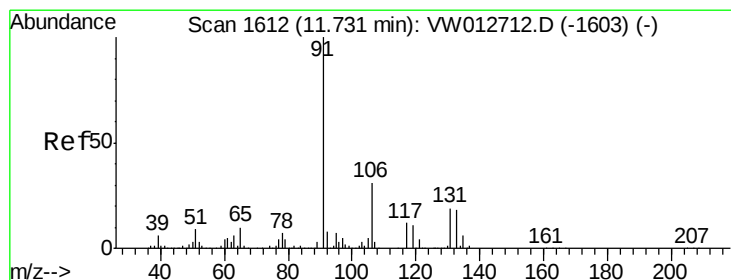
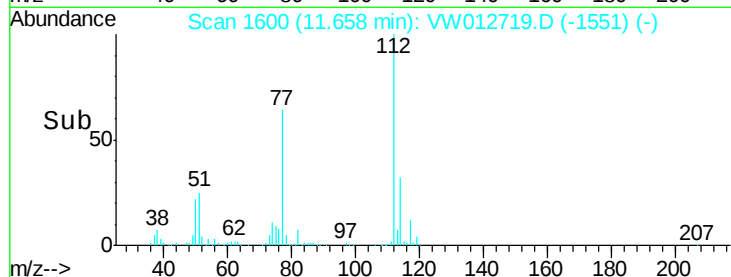
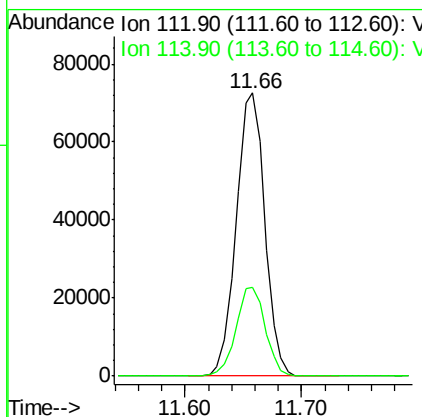
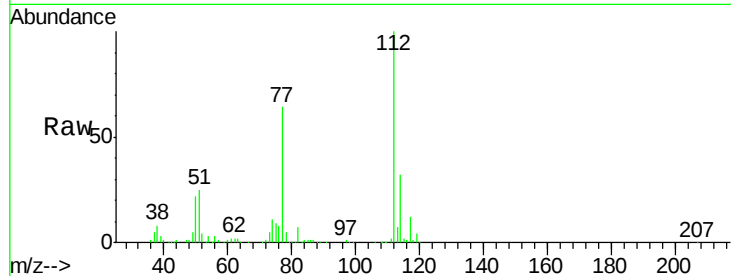
#65
Chlorobenzene
Concen: 19.323 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.3	37.9

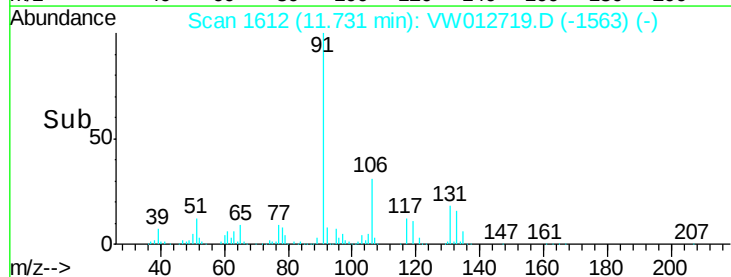
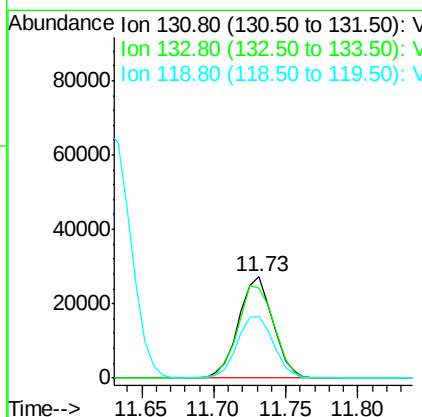
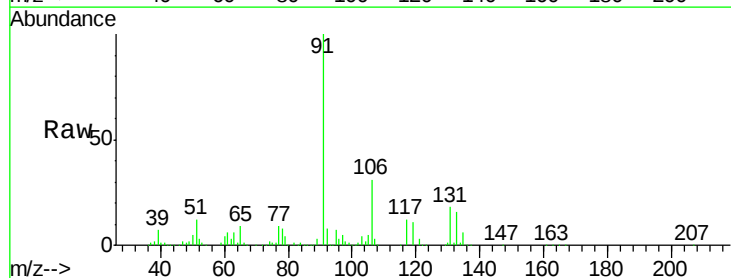
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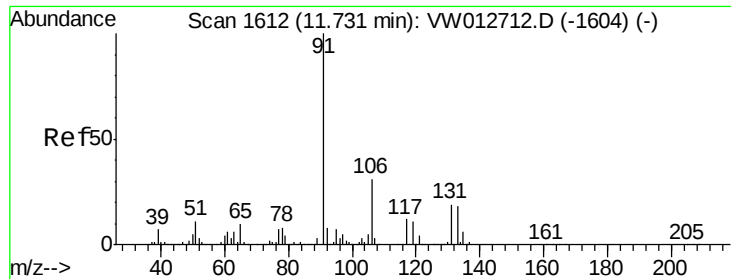
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.966 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.6	142.8
119	63.9	30.6	92.0





#67

Ethyl Benzene

Concen: 19.514 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS01

Tot Ion: 91 Resp: 235309

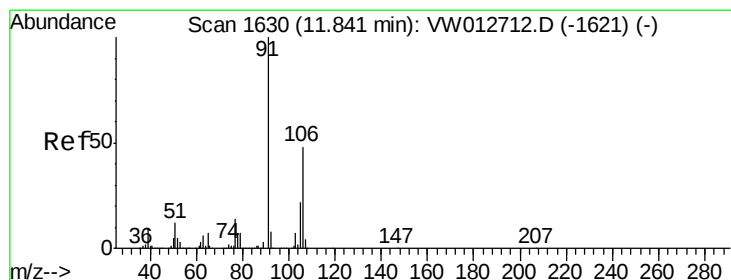
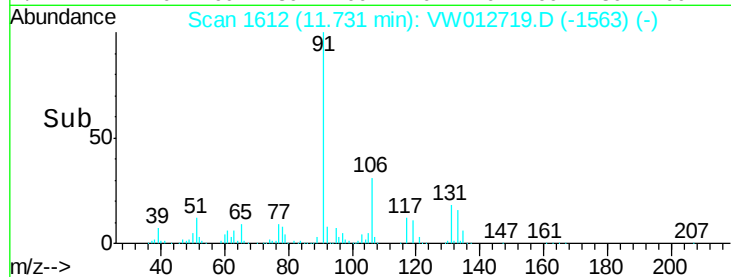
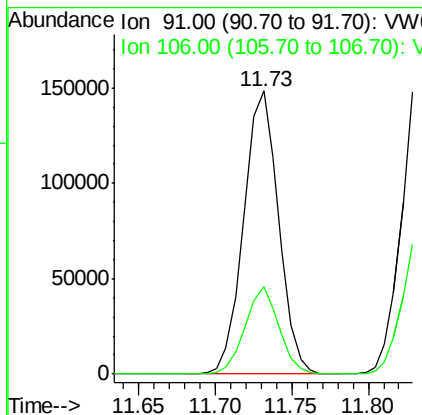
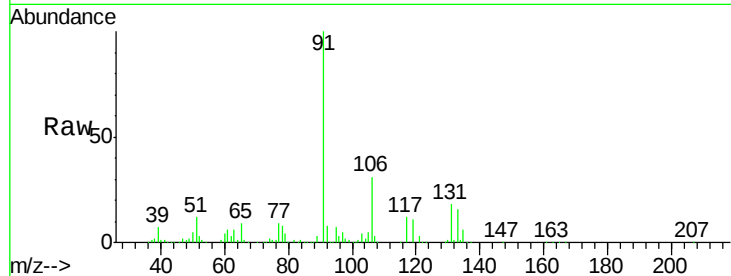
Ion Ratio Lower Upper

91 100

106 30.8 24.4 36.6

Manual Integrations
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9/10/2019 1:02:54 PM



#68

m/p-Xylenes

Concen: 39.192 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW012719.D

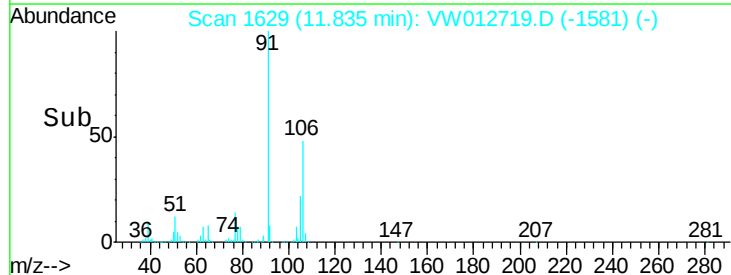
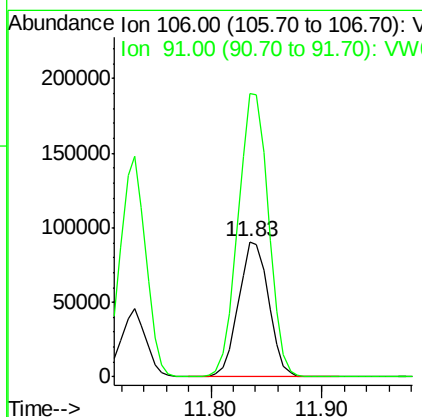
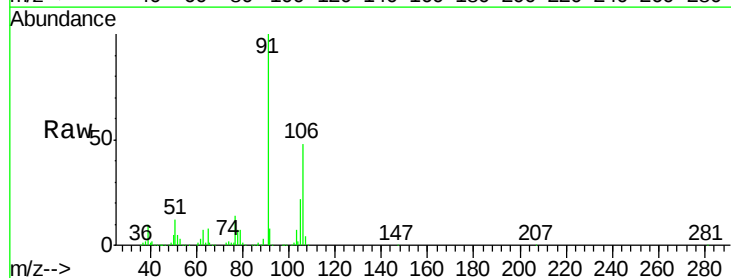
Acq: 07 Sep 2019 15:11

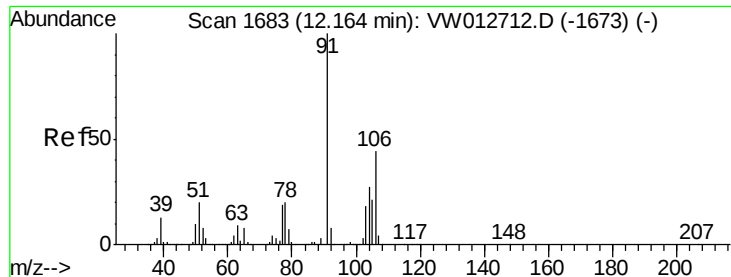
Tgt Ion: 106 Resp: 170587

Ion Ratio Lower Upper

106 100

91 211.4 168.2 252.4





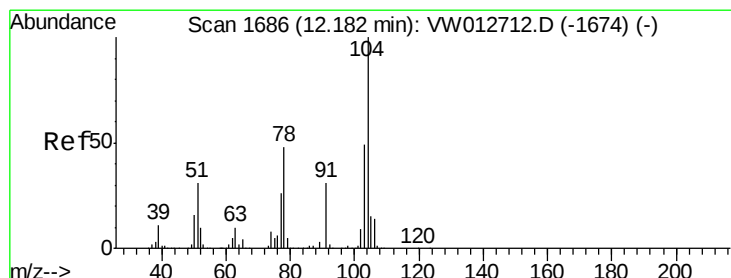
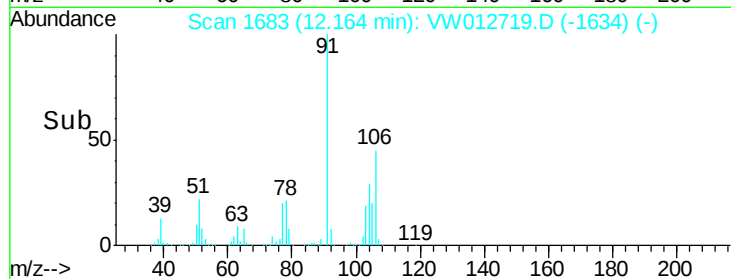
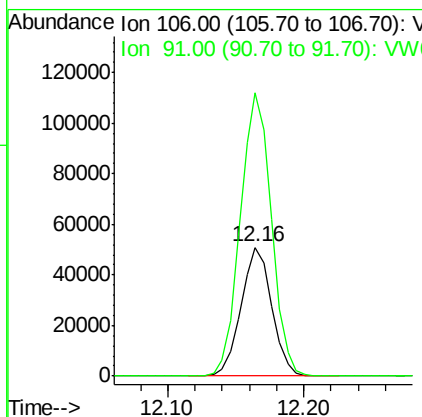
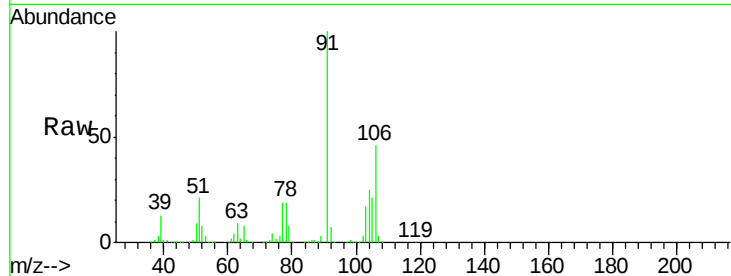
#69
o-Xylene
Concen: 19.507 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	80104		
91	222.8	112.3	336.8	

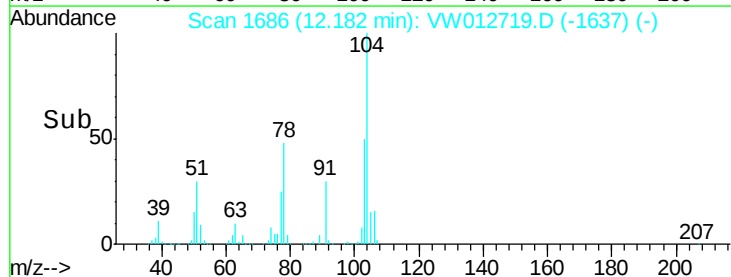
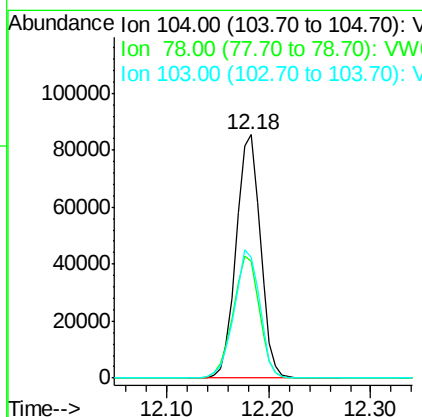
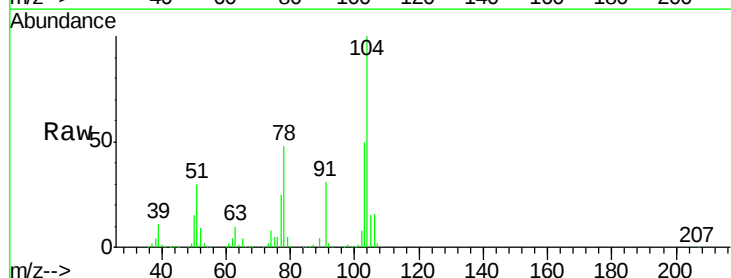
Manual Integrations
APPROVED

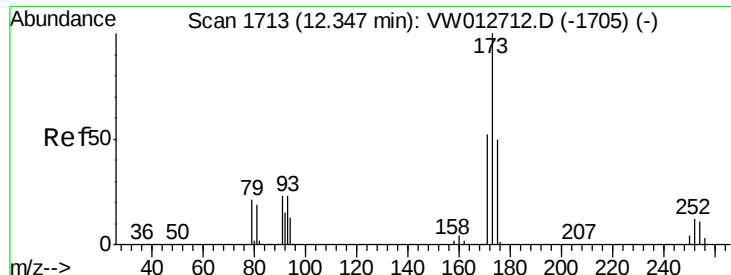
MMDadoda
9/10/2019 1:02:54 PM



#70
Styrene
Concen: 19.320 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	140186		
78	54.4	43.3	64.9	
103	55.6	44.0	66.0	





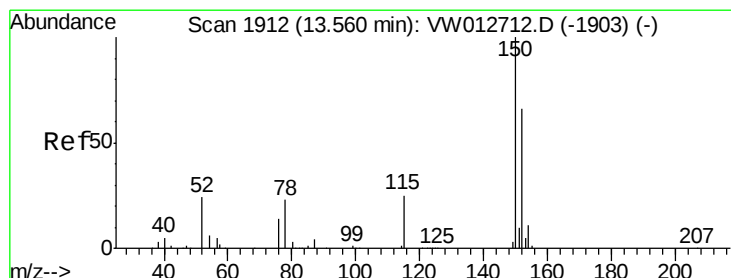
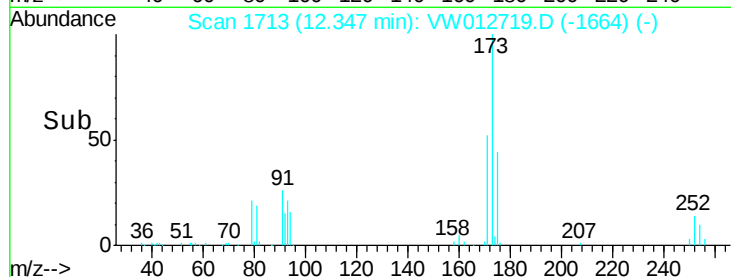
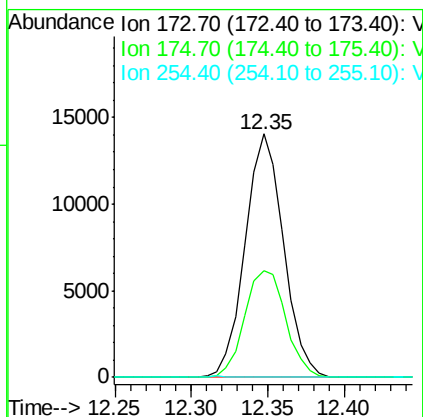
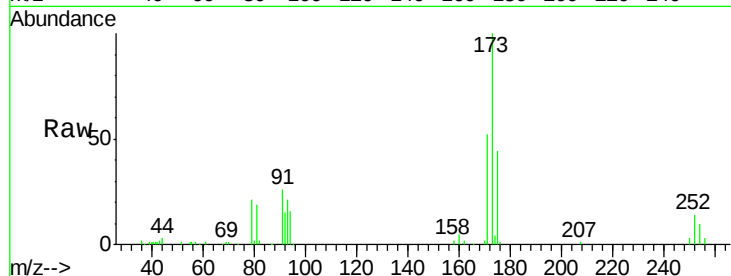
#71
Bromoform
Concen: 18.418 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.8	74.3
254	0.0	0.1	0.1#

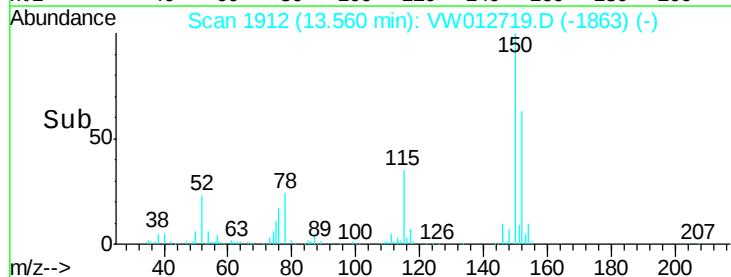
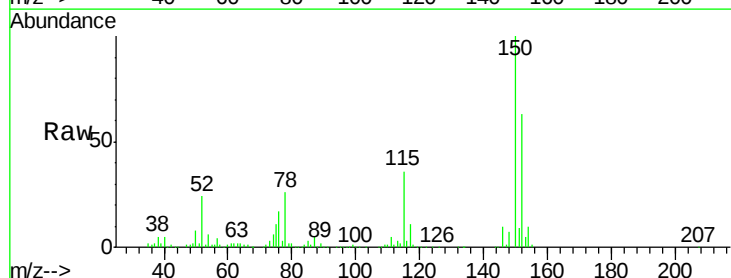
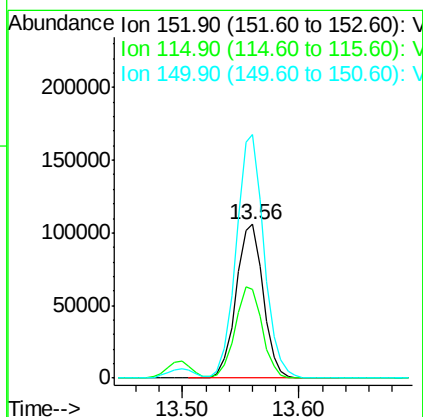
Manual Integrations
APPROVED

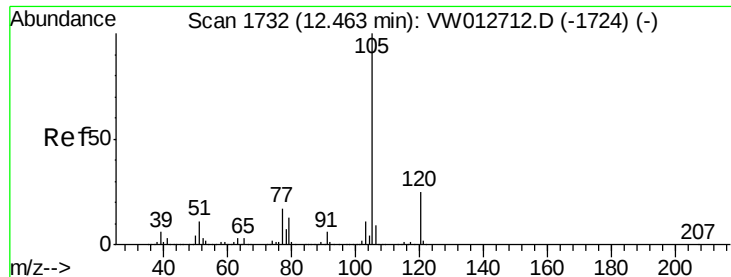
MMDadoda
9/10/2019 1:02:54 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.0	90.1
150	162.5	0.0	349.0





#73

Isopropylbenzene

Concen: 19.177 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS01

Tot Ion: 105 Resp: 235088

Ion Ratio Lower Upper

105 100

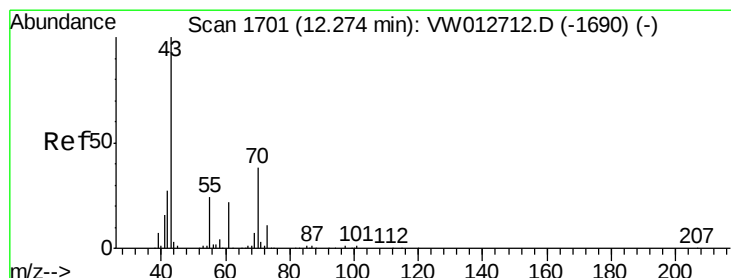
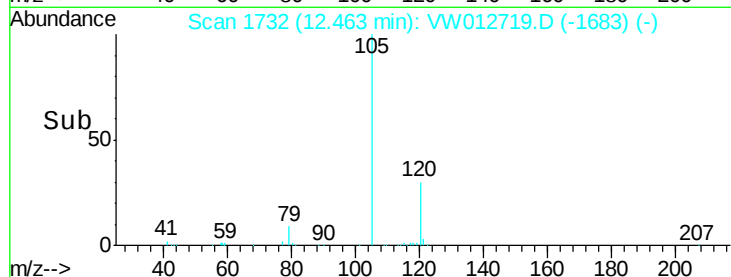
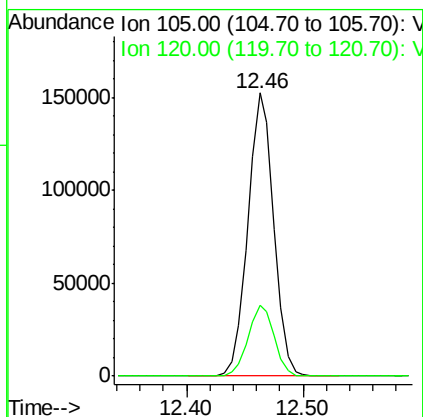
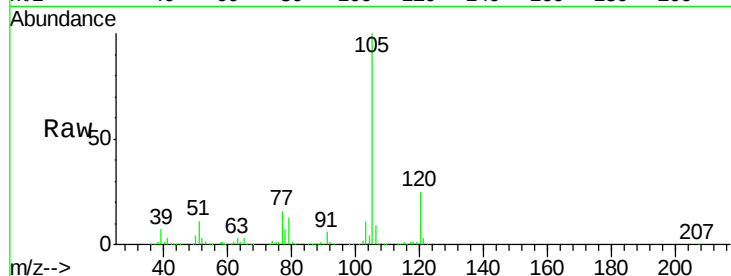
120 25.4 13.0 38.9

Manual Integrations

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9/10/2019 1:02:54 PM



#74

N-ethyl acetate

Concen: 18.035 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Tgt Ion: 43 Resp: 70176

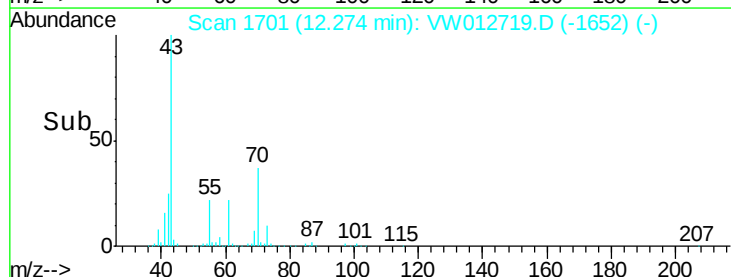
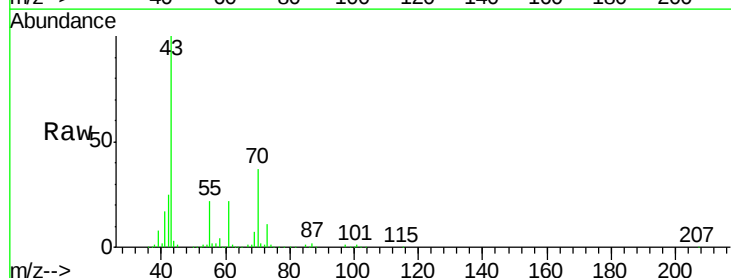
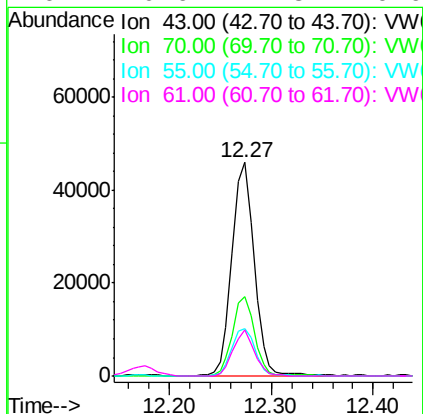
Ion Ratio Lower Upper

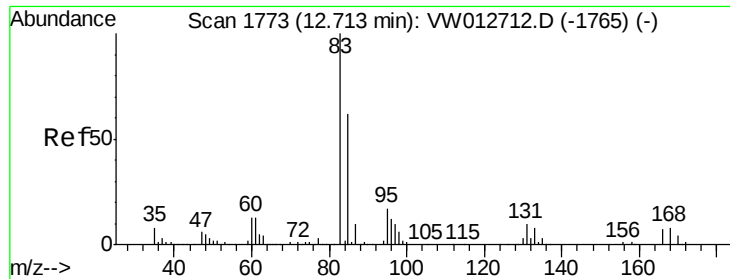
43 100

70 36.6 29.4 44.0

55 23.1 18.6 27.8

61 20.6 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.477 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

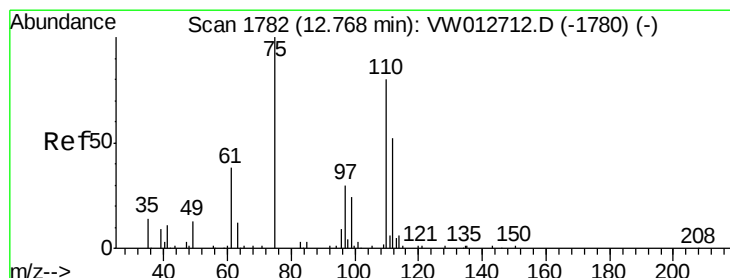
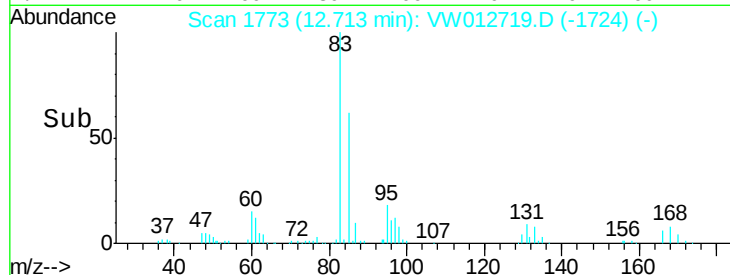
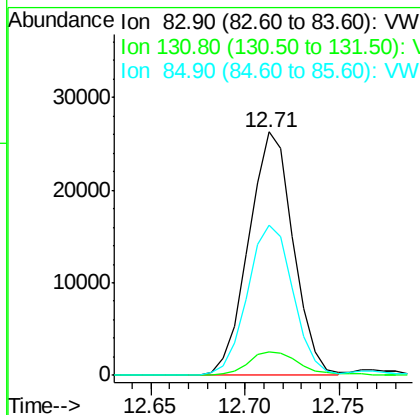
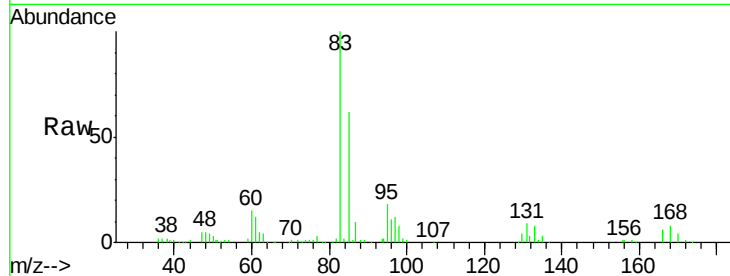
ClientSampleId :

VW0907SBS01

Tot Ion:	83	Resp:	43026
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.1	15.4
85	63.3	31.4	94.2

Manual Integrations
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9/10/2019 1:02:54 PM



#76

1,2,3-Trichloropropane

Concen: 20.278 ug/l m

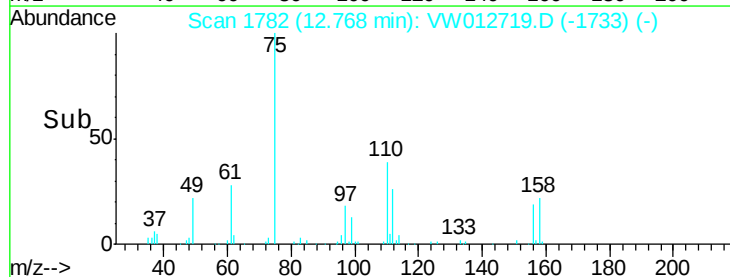
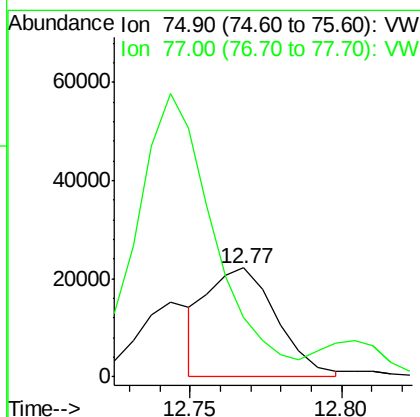
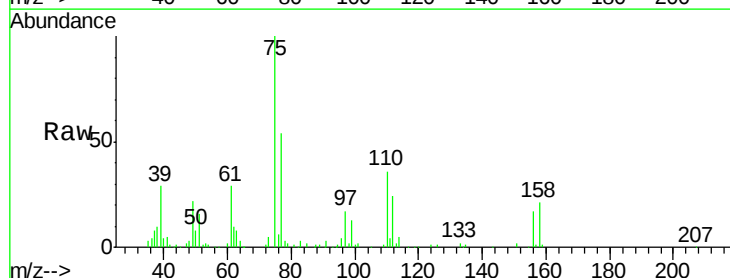
RT: 12.77 min Scan# 1782

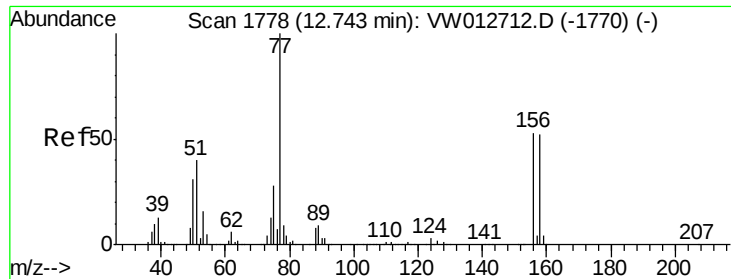
Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Tgt Ion:	75	Resp:	35440
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





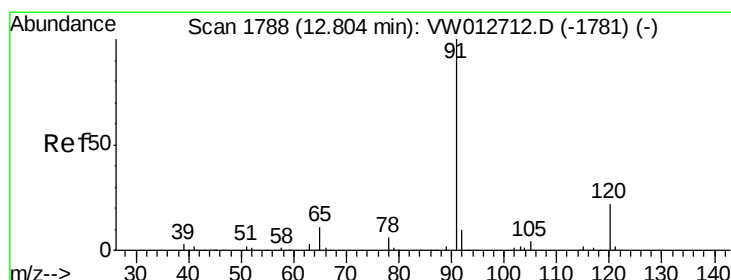
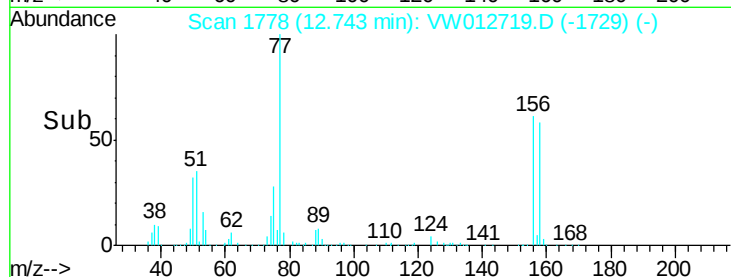
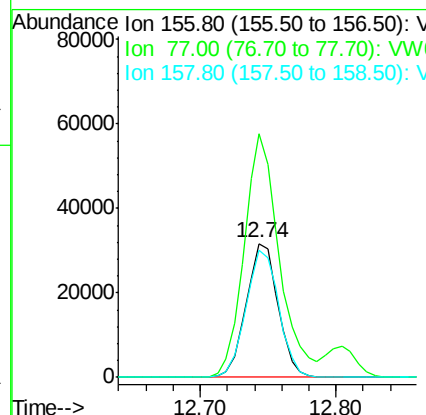
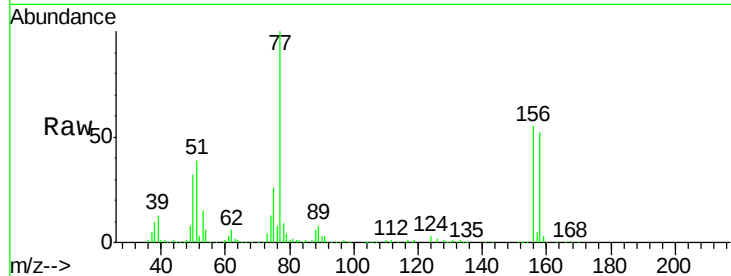
#77
Bromobenzene
Concen: 18.752 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.3	102.3	306.9
158	97.8	48.9	146.8

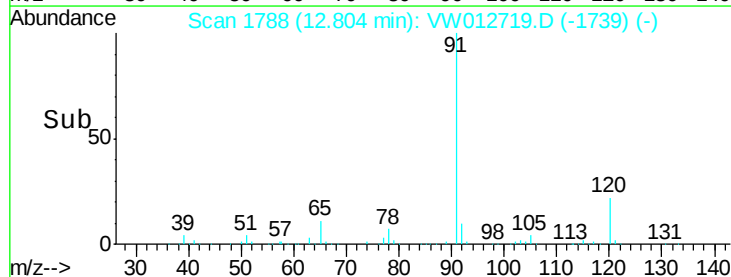
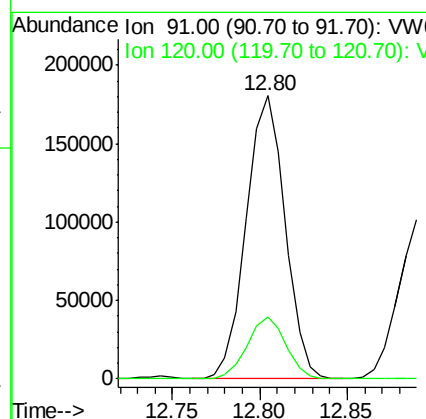
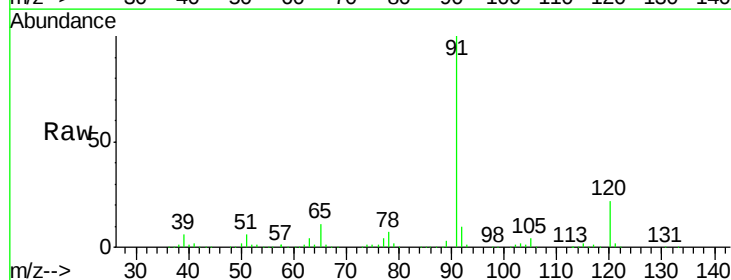
Manual Integrations
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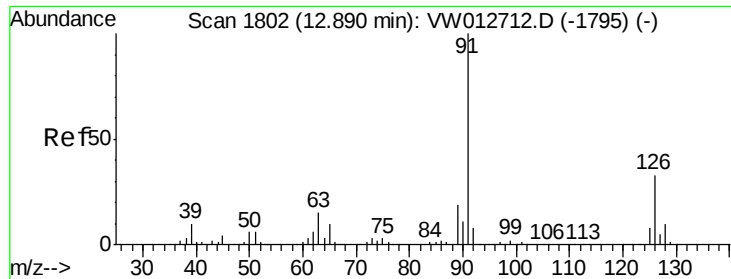
MMDadoda
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#78
n-propylbenzene
Concen: 18.968 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.0	33.0





#79

2-Chlorotoluene

Concen: 18.980 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS01

Tot Ion: 91 Resp: 159752

Ion Ratio Lower Upper

91 100

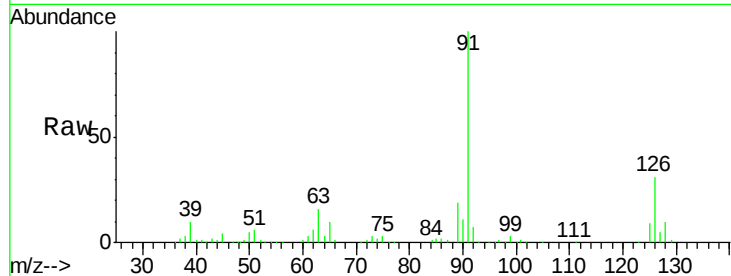
126 31.8 16.1 48.3

Manual Integrations

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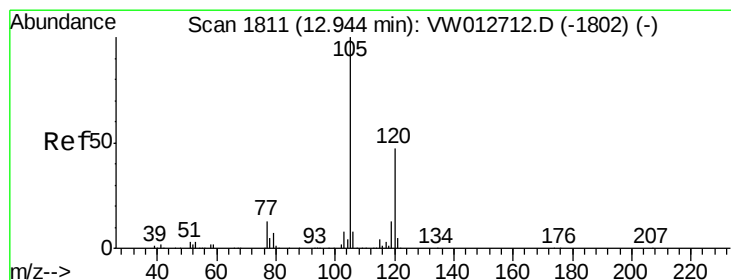
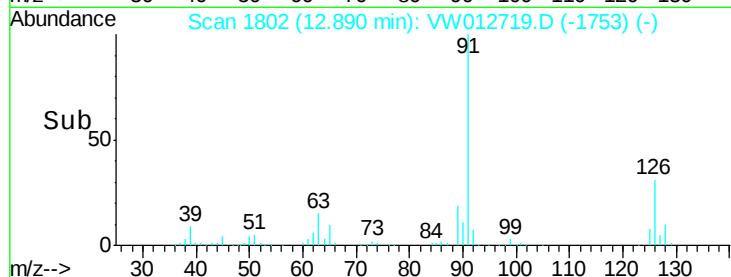
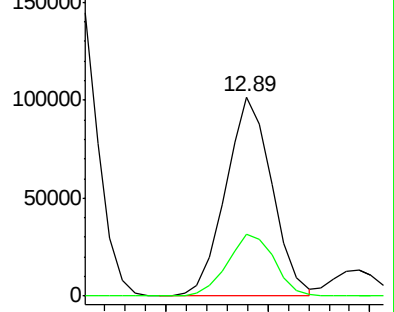
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.670 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012719.D

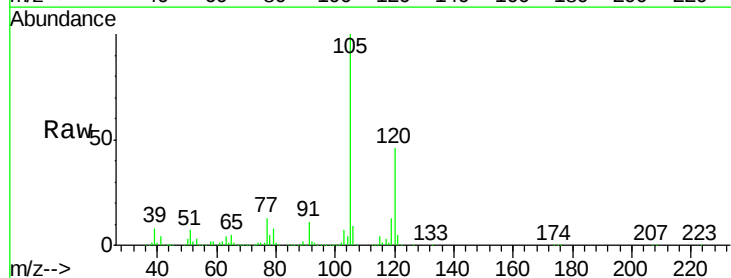
Acq: 07 Sep 2019 15:11

Tgt Ion:105 Resp: 192855

Ion Ratio Lower Upper

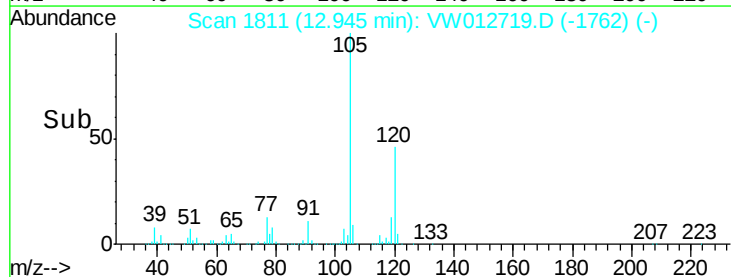
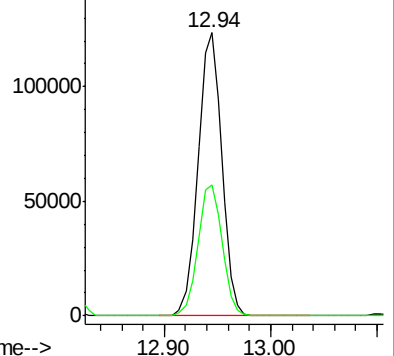
105 100

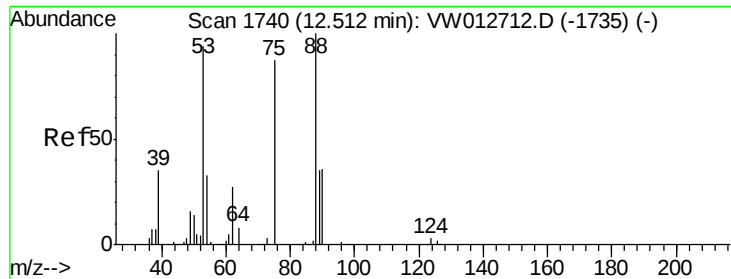
120 47.2 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.076 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

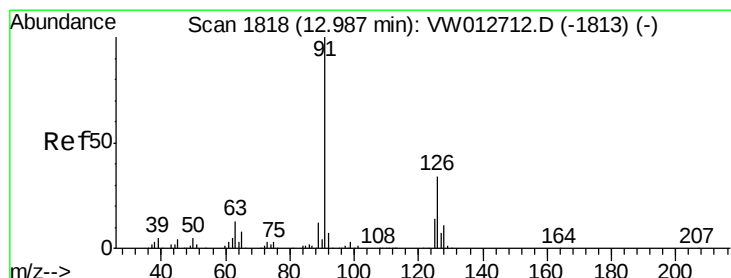
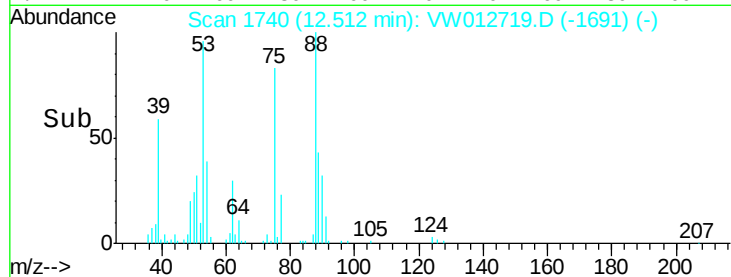
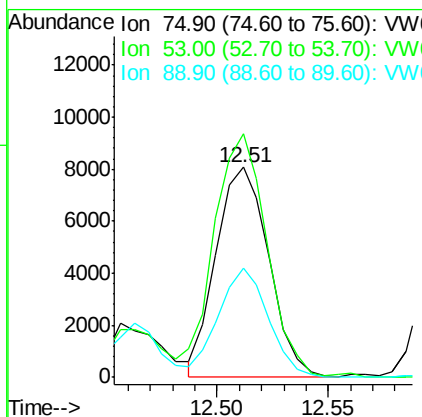
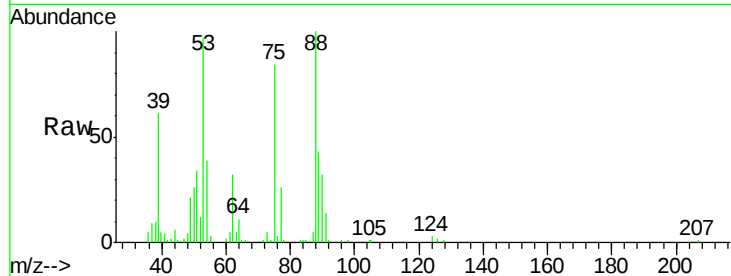
ClientSampleId :

VW0907SBS01

Tot Ion:	75	Resp:	13284
Ion	Ratio	Lower	Upper
75	100		
53	117.5	87.6	131.4
89	49.2	35.5	53.3

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#82

4-Chlorotoluene

Concen: 18.452 ug/l

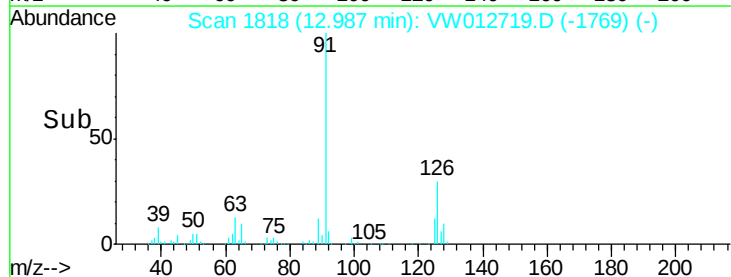
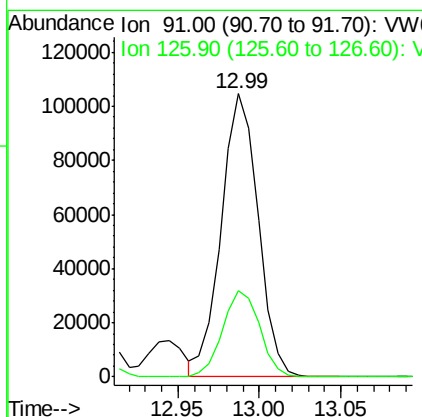
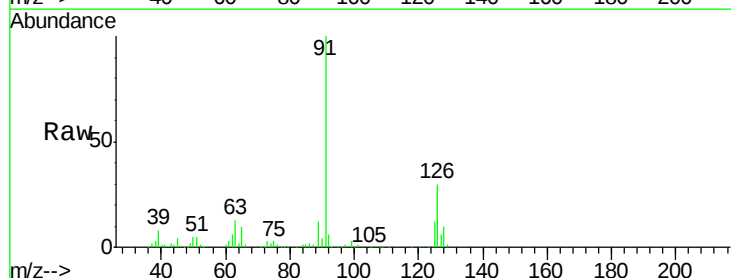
RT: 12.99 min Scan# 1818

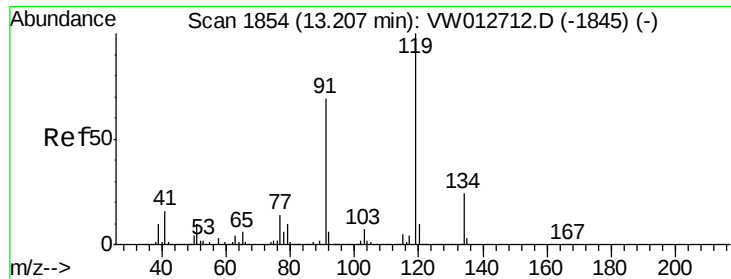
Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Tgt Ion:	91	Resp:	164278
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.9	47.6





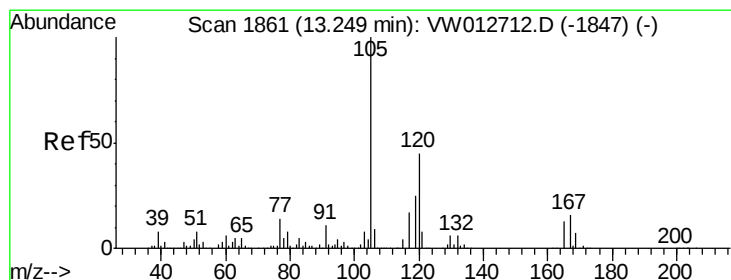
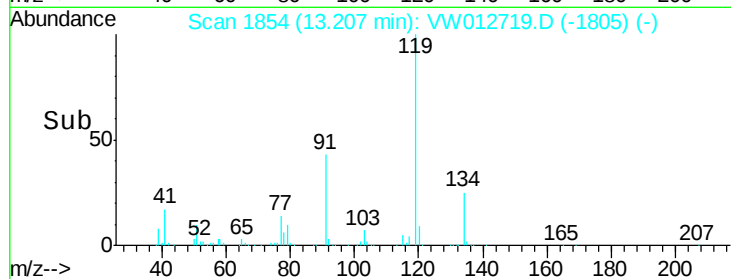
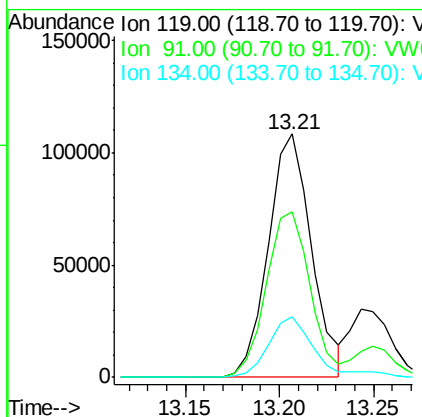
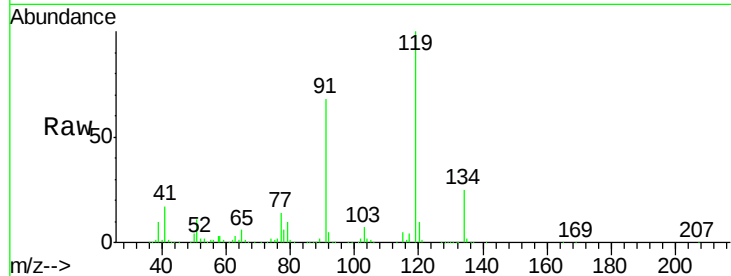
#83
tert-Butylbenzene
Concen: 18.890 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Instrument :
MSVOA_W
ClientSampled :
VW0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	172529		
91	68.9		34.2	102.5
134	26.9		12.3	36.9

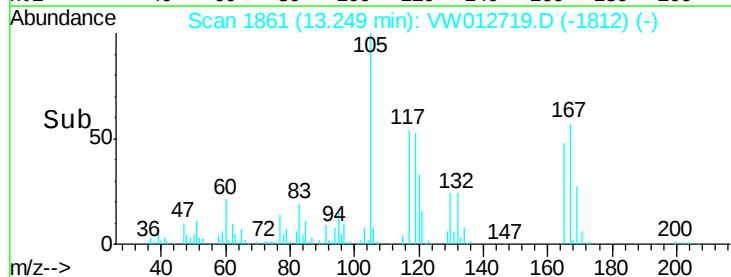
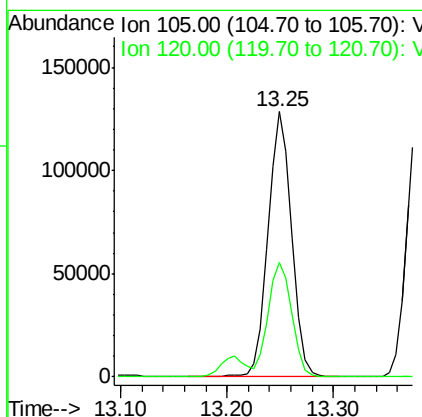
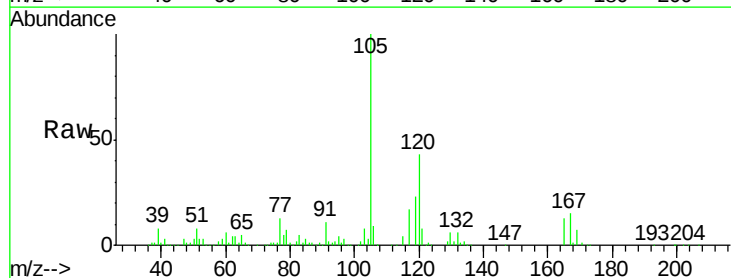
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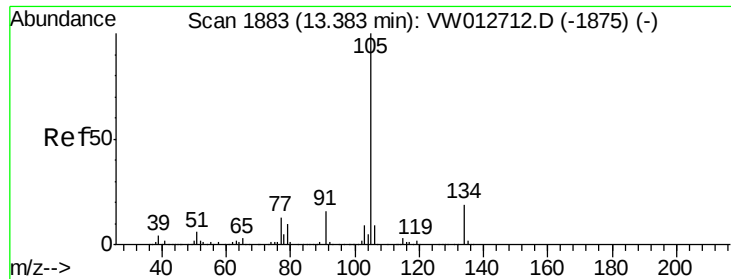
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#84
1,2,4-Trimethylbenzene
Concen: 19.137 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	199185		
120	43.0		22.1	66.3





#85

sec-Butylbenzene

Concen: 19.045 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBS01

Tot Ion:105 Resp: 241375

Ion Ratio Lower Upper

105 100

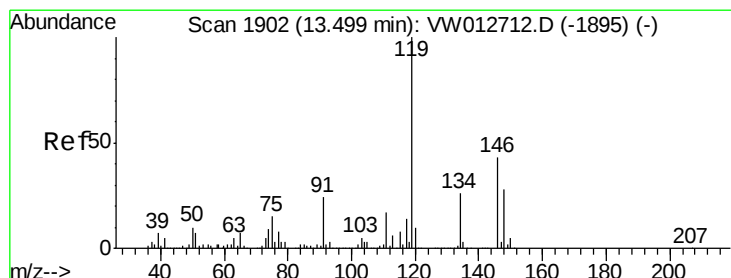
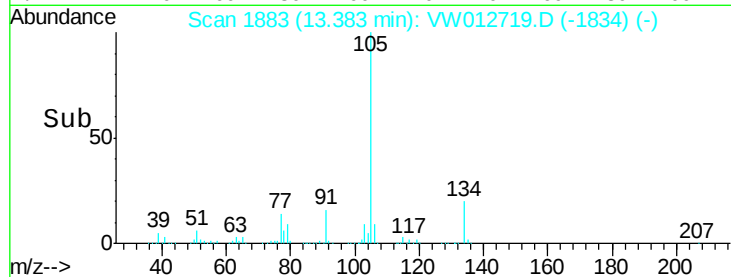
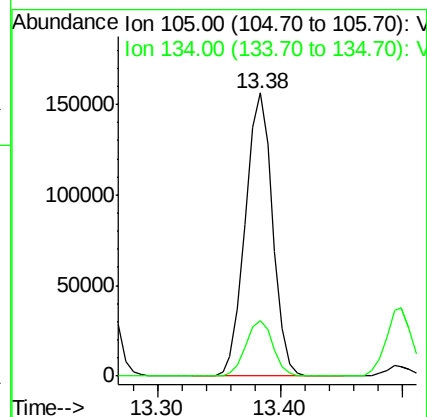
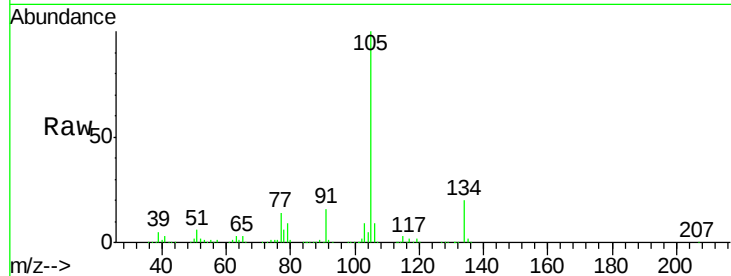
134 19.7 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.010 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

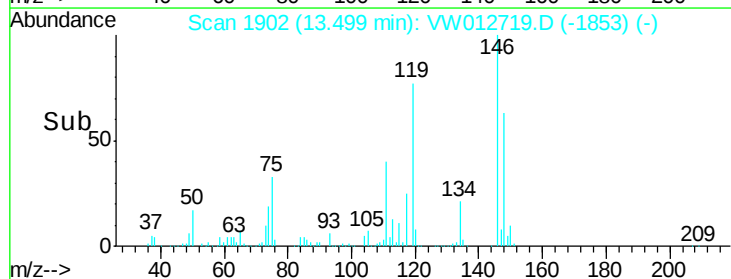
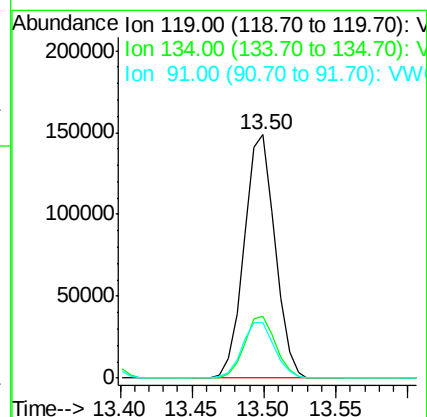
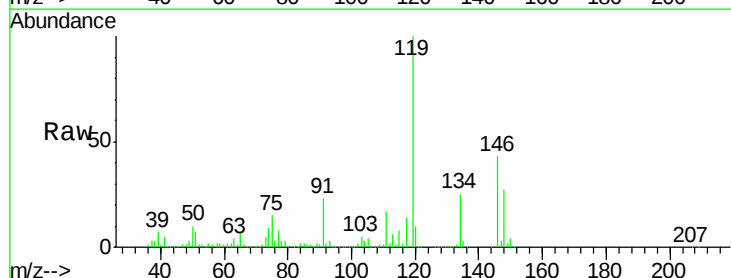
Tgt Ion:119 Resp: 220077

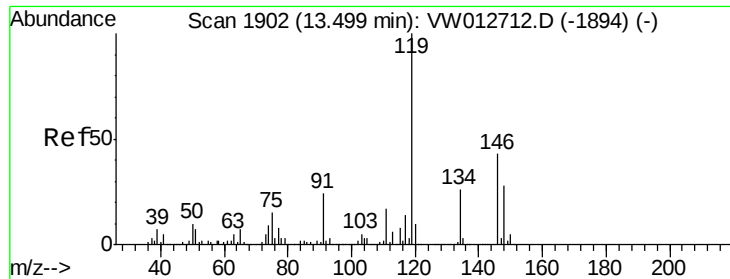
Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

91 24.3 12.2 36.6





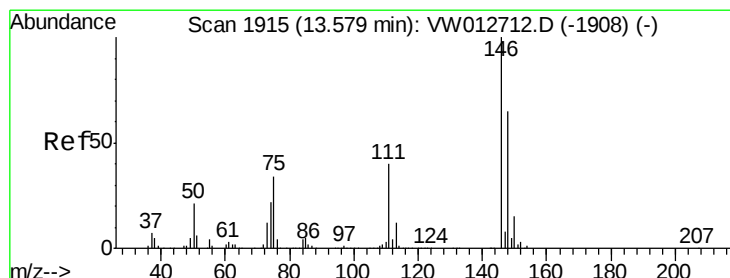
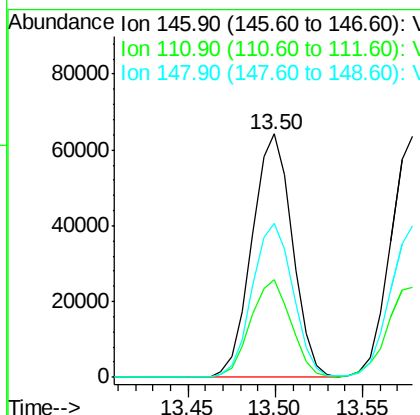
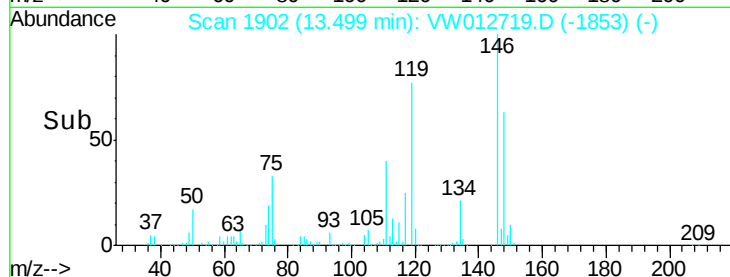
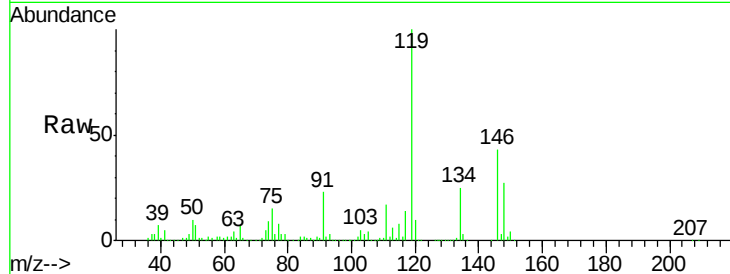
#87
 1,3-Dichlorobenzene
 Concen: 18.883 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	103082		
111	40.3		20.4	61.2
148	63.9		31.8	95.4

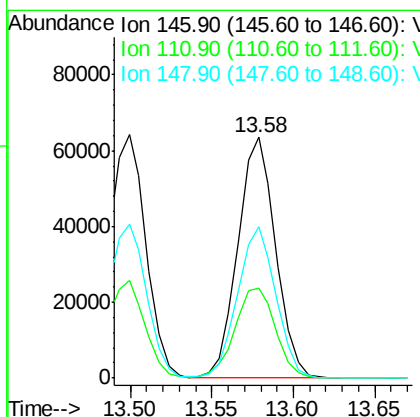
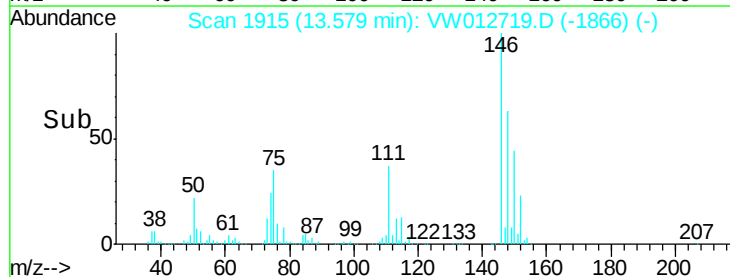
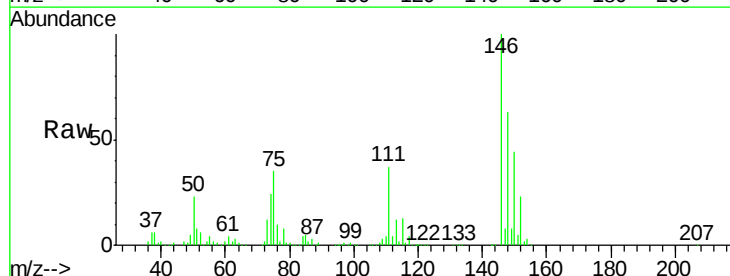
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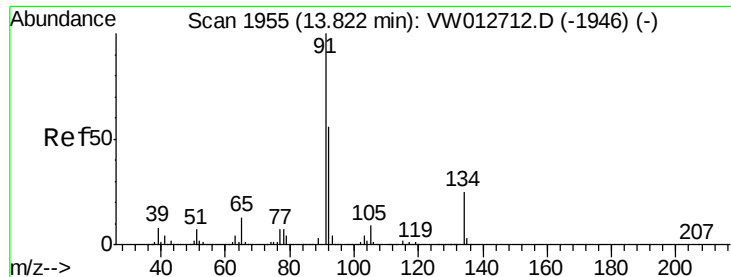
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#88
 1,4-Dichlorobenzene
 Concen: 18.804 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	102144		
111	40.3		20.0	60.0
148	63.7		32.2	96.6





#89

n-Butylbenzene

Concen: 18.756 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_W

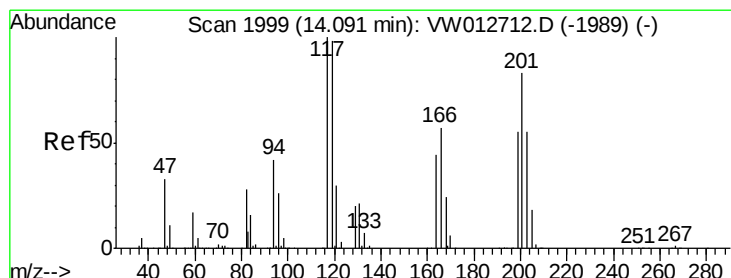
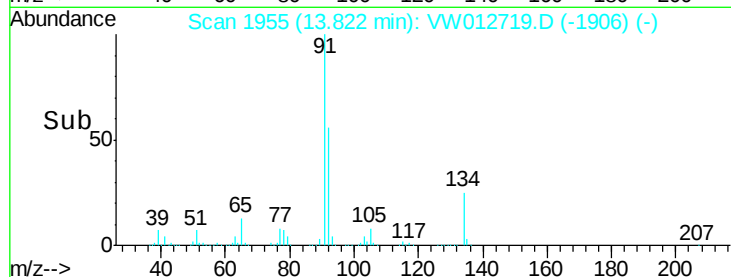
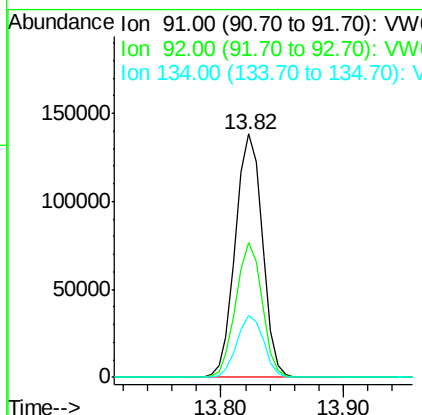
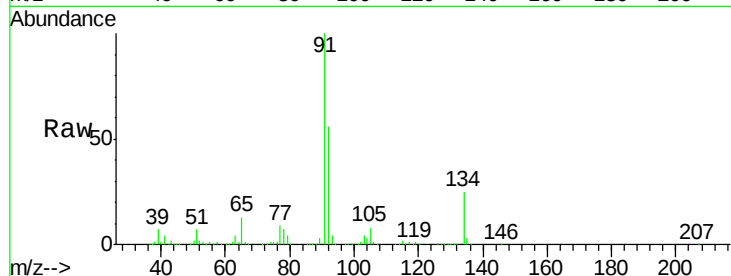
ClientSampleId :

VW0907SBS01

Tot Ion:	91	Resp:	210800
Ion Ratio	Lower	Upper	
91	100		
92	53.9	27.2	81.5
134	25.1	12.7	38.1

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#90

Hexachloroethane

Concen: 18.624 ug/l

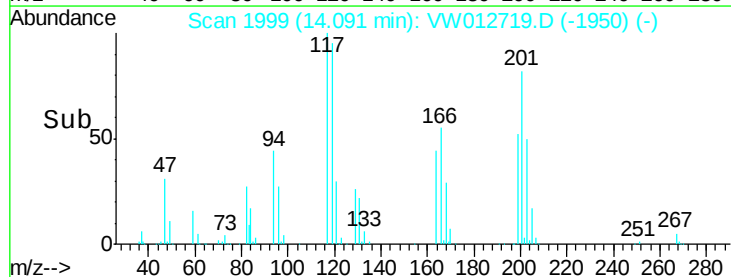
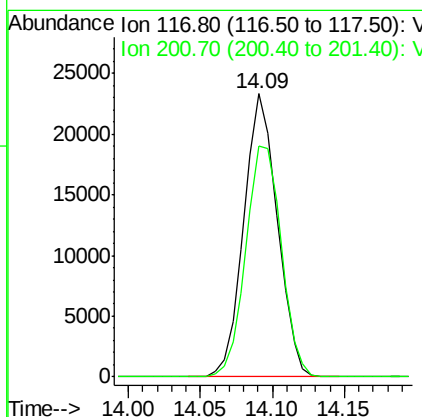
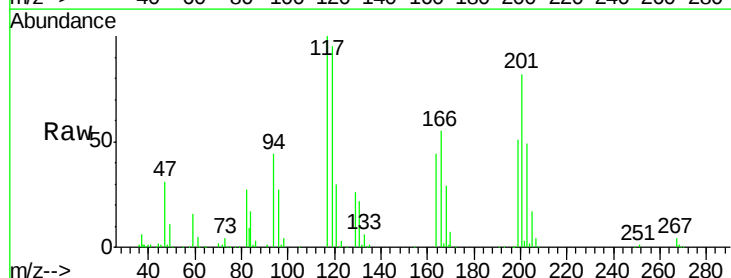
RT: 14.09 min Scan# 1999

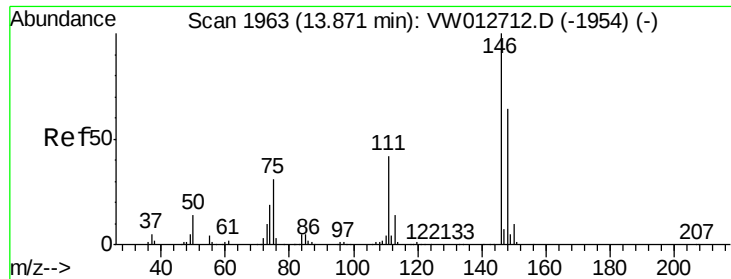
Delta R.T. 0.00 min

Lab File: VW012719.D

Acq: 07 Sep 2019 15:11

Tgt Ion:	117	Resp:	37638
Ion Ratio	Lower	Upper	
117	100		
201	86.2	42.8	128.4





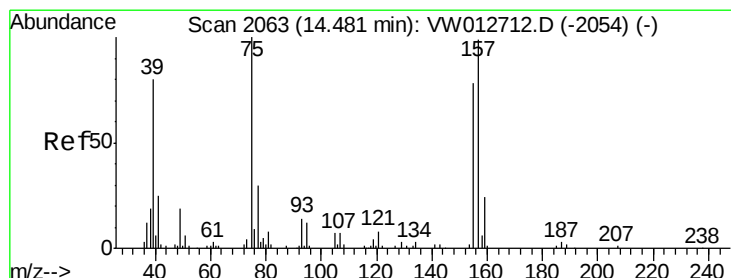
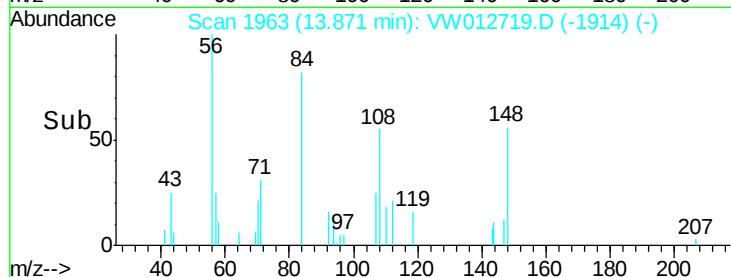
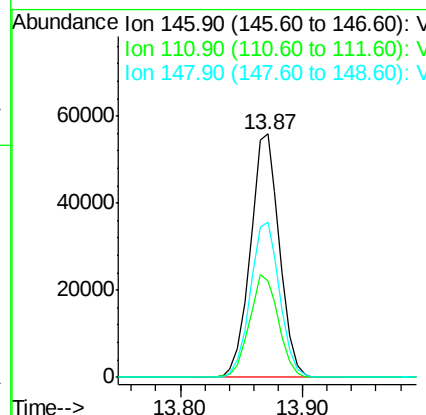
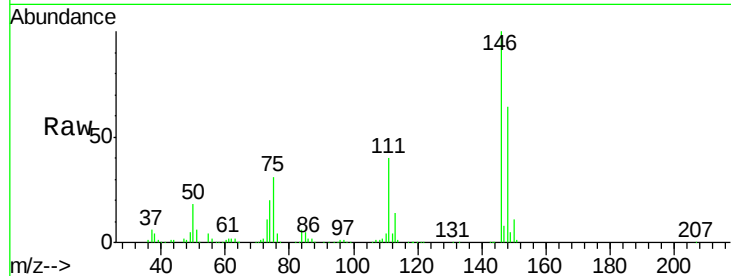
#91
 1,2-Dichlorobenzene
 Concen: 18.680 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	63.9
148	64.4	32.1	96.5

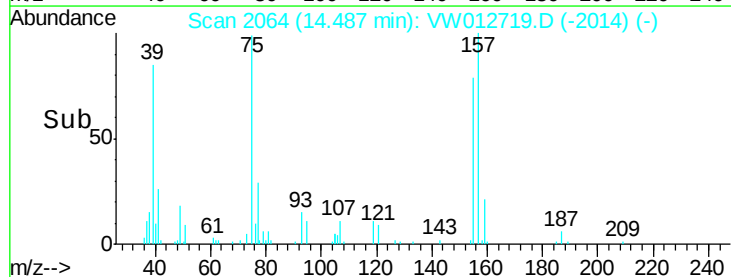
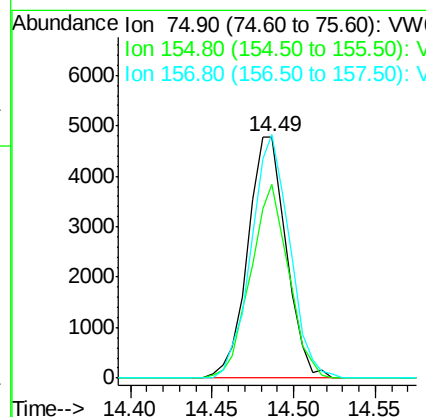
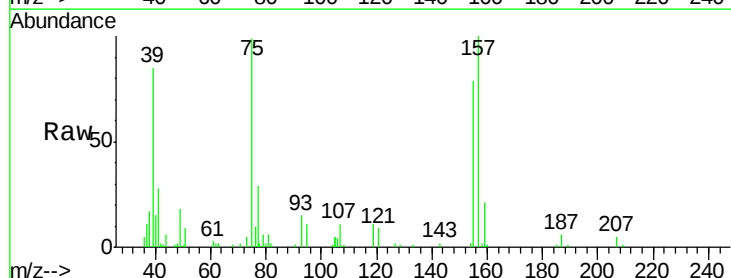
Manual Integrations
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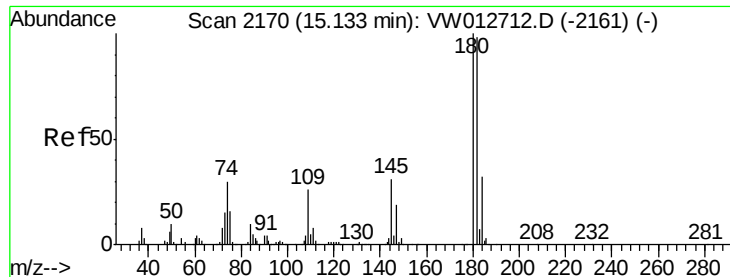
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.441 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.2	40.6	122.0
157	100.6	52.5	157.5





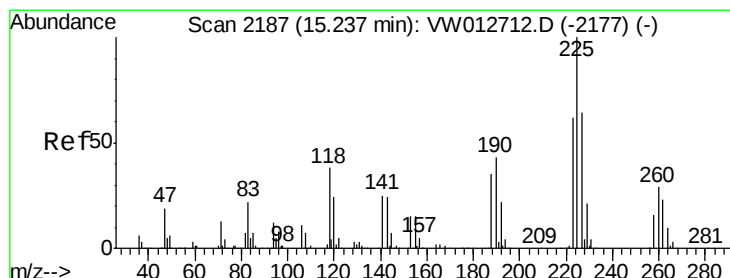
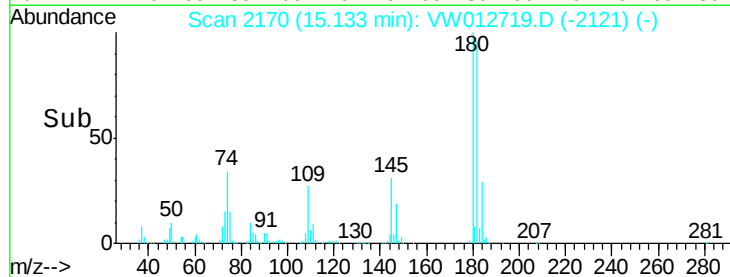
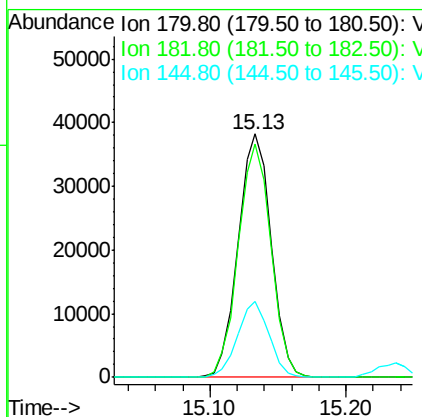
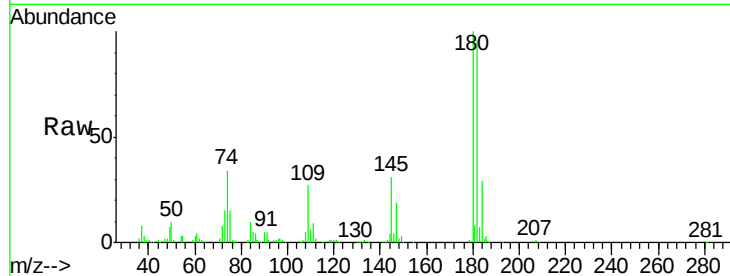
#93
 1,2,4-Trichlorobenzene
 Concen: 18.930 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	64757		
182	95.3	48.7	146.1	
145	29.9	15.0	45.1	

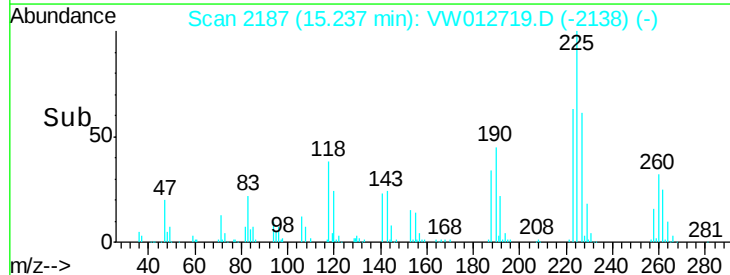
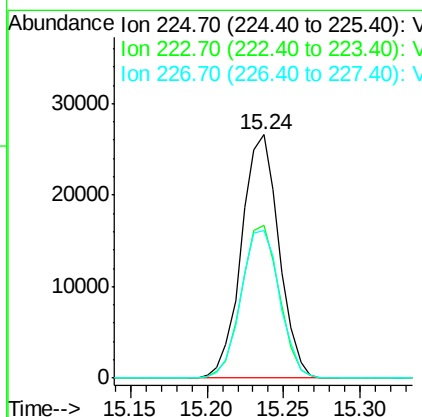
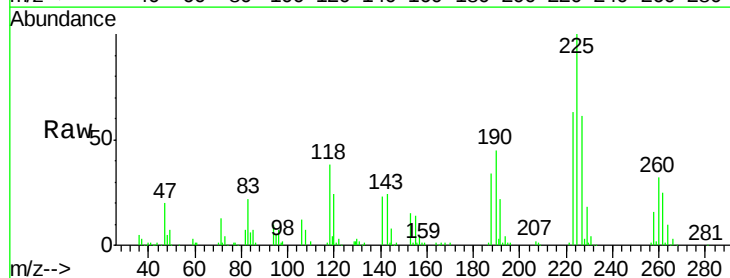
Manual Integrations
 APPROVED

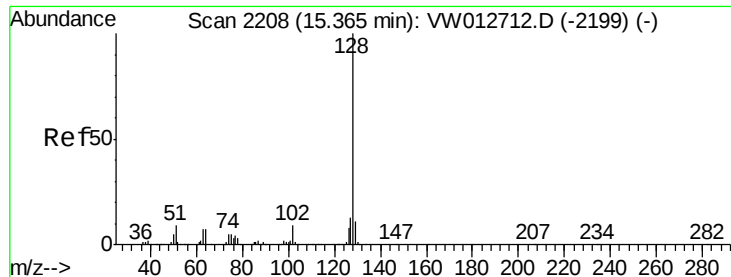
MMDadoda
 9/10/2019 1:02:54 PM



#94
 Hexachlorobutadiene
 Concen: 19.085 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012719.D
 Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45190		
223	63.6	31.1	93.3	
227	63.0	31.4	94.2	





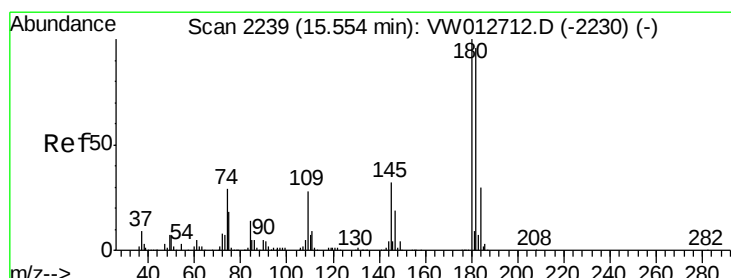
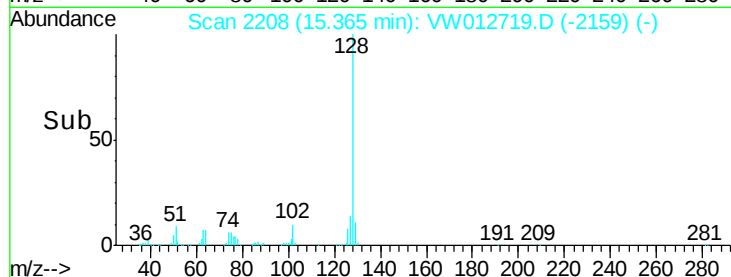
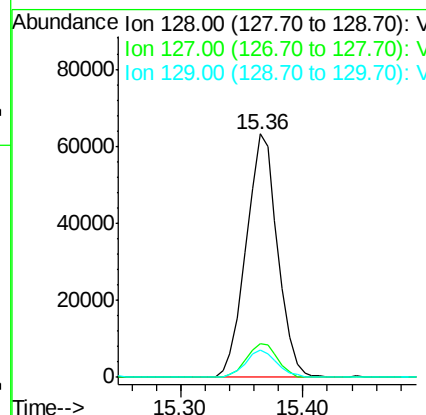
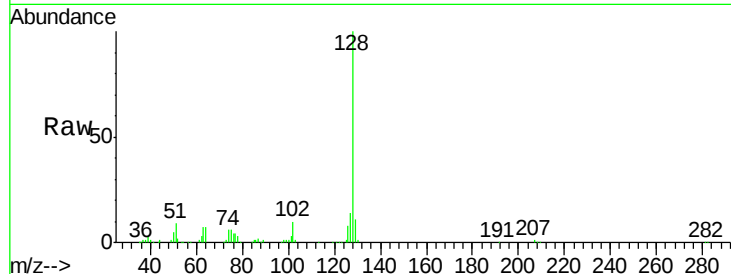
#95
Naphthalene
Concen: 18.716 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	112353		
127	13.7	10.7	16.1	
129	11.2	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:02:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.313 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW012719.D
Acq: 07 Sep 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	58316		
182	94.0	47.8	143.3	
145	31.3	15.4	46.2	

