

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012715.D
 Acq On : 07 Sep 2019 12:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW090719

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:02:45 PM

Quant Time: Sep 08 05:21:20 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	233688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	348426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	302866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	133835	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
35) Dibromofluoromethane	7.88	113	101828	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	10.32	98	421762	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.62	95	144733	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	62422	49.273	ug/l	100
3) Chloromethane	2.21	50	70471	45.771	ug/l	98
4) Vinyl Chloride	2.35	62	88445	46.851	ug/l	99
5) Bromomethane	2.78	94	50920	49.673	ug/l	97
6) Chloroethane	2.92	64	54480	48.362	ug/l	99
7) Trichlorofluoromethane	3.25	101	61921	47.532	ug/l	94
8) Diethyl Ether	3.68	74	58460	53.393	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	102187	49.985	ug/l	99
10) Methyl Iodide	4.26	142	123430	47.961	ug/l	99
11) Tert butyl alcohol	5.21	59	50973m	255.153	ug/l	
12) 1,1-Dichloroethene	4.03	96	94151	48.787	ug/l	97
13) Acrolein	3.90	56	47361	223.404	ug/l	99
14) Allyl chloride	4.67	41	201354	50.437	ug/l	100
15) Acrylonitrile	5.37	53	162261	253.730	ug/l	99
16) Acetone	4.14	43	196747	276.396	ug/l	97
17) Carbon Disulfide	4.38	76	197584	48.234	ug/l	100
18) Methyl Acetate	4.67	43	85389	51.129	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	191888	50.137	ug/l	98
20) Methylene Chloride	4.92	84	106635	47.883	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	92557	47.004	ug/l	98
22) Diisopropyl ether	6.31	45	414730	52.379	ug/l	97
23) Vinyl Acetate	6.25	43	1365990	272.221	ug/l	100
24) 1,1-Dichloroethane	6.21	63	211248	49.550	ug/l	99
25) 2-Butanone	7.17	43	252417	241.554	ug/l	98
26) 2,2-Dichloropropane	7.16	77	139061	51.644	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	117728	51.562	ug/l	99
28) Bromochloromethane	7.51	49	100167	51.168	ug/l	99
29) Tetrahydrofuran	7.53	42	148586	258.487	ug/l	99
30) Chloroform	7.67	83	196265	46.451	ug/l	98
31) Cyclohexane	7.95	56	179858	46.861	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	169158	49.390	ug/l	99
36) 1,1-Dichloropropene	8.08	75	159283	51.450	ug/l	99
37) Ethyl Acetate	7.25	43	103186	52.285	ug/l	99
38) Carbon Tetrachloride	8.06	117	158508	51.940	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	174843	50.285	ug/l	97
40) Benzene	8.32	78	435725	50.728	ug/l	99
41) Methacrylonitrile	7.48	41	63489	47.531	ug/l	96
42) 1,2-Dichloroethane	8.40	62	155730	51.516	ug/l	100
43) Isopropyl Acetate	8.42	43	198552	53.103	ug/l	100
44) Trichloroethene	9.09	130	112766	50.931	ug/l	93
45) 1,2-Dichloropropane	9.37	63	122879	51.579	ug/l	98
46) Dibromomethane	9.46	93	59503	52.745	ug/l	99
47) Bromodichloromethane	9.64	83	162395	52.323	ug/l	99
48) Methyl methacrylate	9.43	41	92627	51.839	ug/l	99
49) 1,4-Dioxane	9.47	88	22851	1025.460	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	519127	264.598	ug/l	100
52) Toluene	10.38	92	271884	50.715	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	167901	52.609	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	190507	52.620	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	87969	52.086	ug/l	99
56) Ethyl methacrylate	10.65	69	131962	53.377	ug/l	98
57) 1,3-Dichloropropane	10.93	76	160935	51.507	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	334208	254.639	ug/l	99
59) 2-Hexanone	10.97	43	377778	263.561	ug/l	100
60) Dibromochloromethane	11.13	129	103548	52.131	ug/l	100
61) 1,2-Dibromoethane	11.23	107	80123	51.745	ug/l	99
64) Tetrachloroethene	10.86	164	92980	50.595	ug/l	96
65) Chlorobenzene	11.66	112	289222	50.525	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	111575	52.340	ug/l	100
67) Ethyl Benzene	11.73	91	558369	51.989	ug/l	98
68) m/p-Xylenes	11.83	106	398268	102.734	ug/l	99
69) o-Xylene	12.16	106	191515	52.364	ug/l	97
70) Styrene	12.18	104	339162	52.479	ug/l	99
71) Bromoform	12.35	173	63522	53.634	ug/l #	97
73) Isopropylbenzene	12.46	105	550904	50.841	ug/l	99
74) N-amyl acetate	12.27	43	180112	52.367	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	107514	49.406	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	76210m	49.332	ug/l	
77) Bromobenzene	12.74	156	123322	50.234	ug/l	99
78) n-propylbenzene	12.80	91	663758	51.218	ug/l	100
79) 2-Chlorotoluene	12.89	91	374808	50.379	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	454985	49.831	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37264	51.019	ug/l	98
82) 4-Chlorotoluene	12.99	91	397295	50.486	ug/l	99
83) tert-Butylbenzene	13.21	119	409038	50.665	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	460312	50.032	ug/l	100
85) sec-Butylbenzene	13.38	105	572820	51.131	ug/l	100
86) p-Isopropyltoluene	13.50	119	521136	50.927	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	242082	50.169	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	240305	50.048	ug/l	99
89) n-Butylbenzene	13.82	91	512772	51.616	ug/l	100
90) Hexachloroethane	14.09	117	93062	52.095	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	219574	50.557	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20451	51.353	ug/l	96

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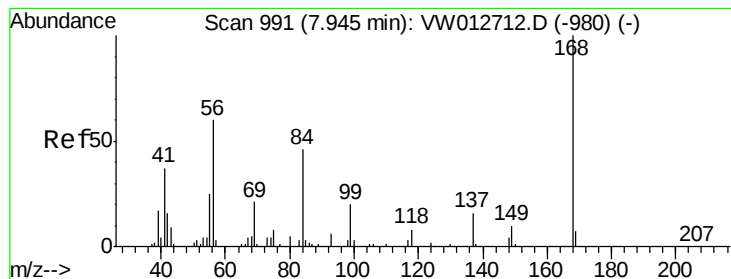
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	162812	53.844	ug/l	99
94) Hexachlorobutadiene	15.24	225	106506	50.888	ug/l	99
95) Naphthalene	15.36	128	323451	50.939	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	144083	53.983	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

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MSVOA_W

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ICVW090719

Tot Ion:168 Resp: 233688

Ion Ratio Lower Upper

168 100

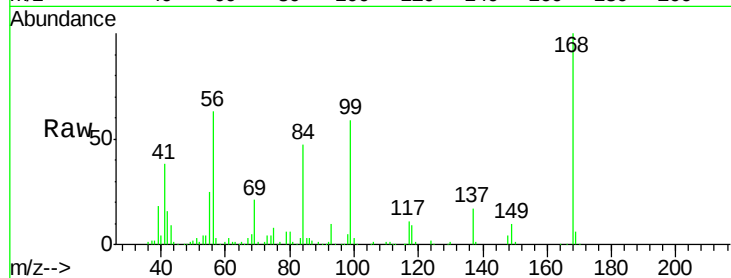
99 59.0 47.8 71.6

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

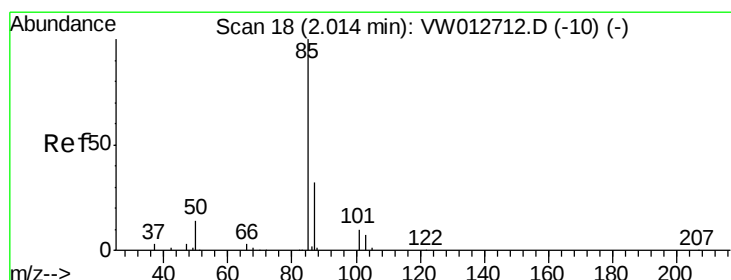
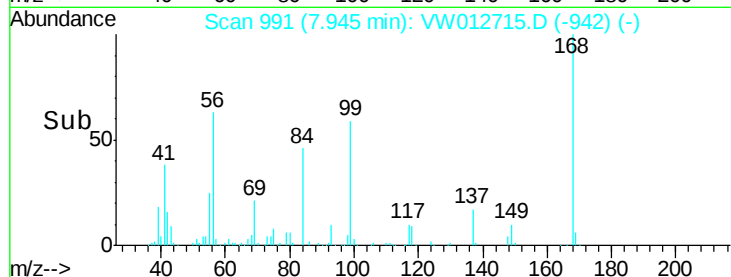
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 49.273 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012715.D

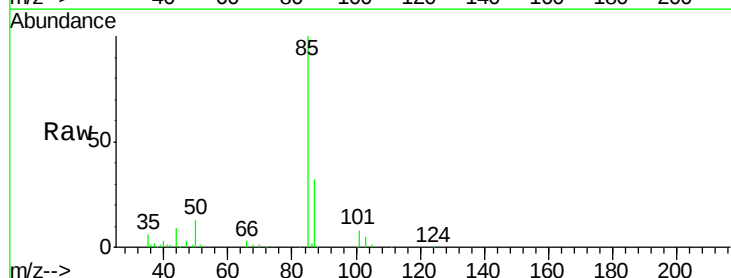
Acq: 07 Sep 2019 12:34

Tgt Ion: 85 Resp: 62422

Ion Ratio Lower Upper

85 100

87 31.5 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

25000

20000

15000

10000

5000

0

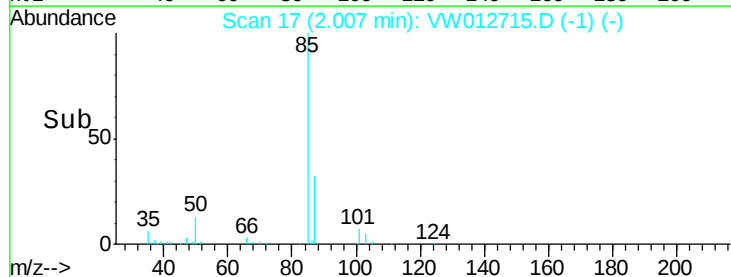
1.90

2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 45.771 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW090719

Tot Ion: 50 Resp: 70471

Ion Ratio Lower Upper

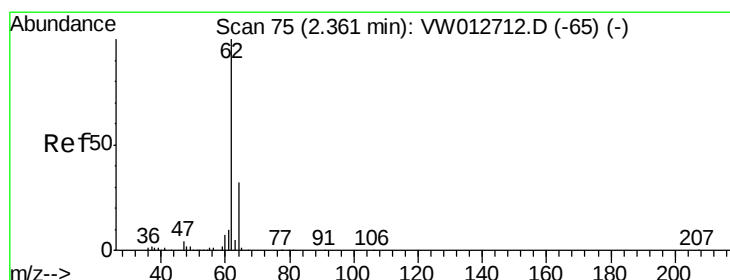
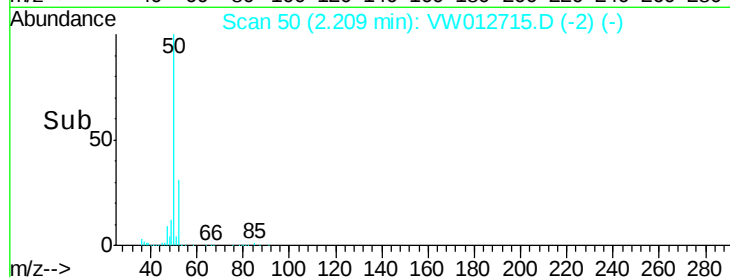
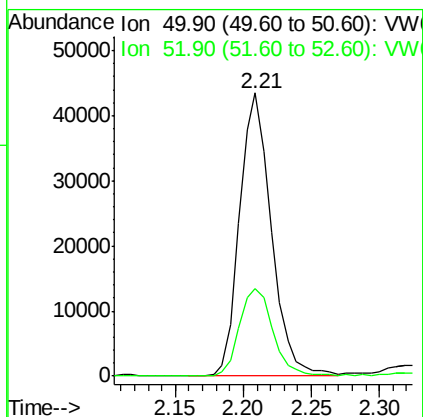
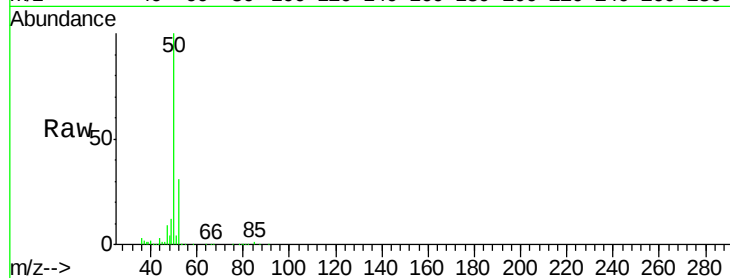
50 100

52 31.1 24.2 36.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 46.851 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012715.D

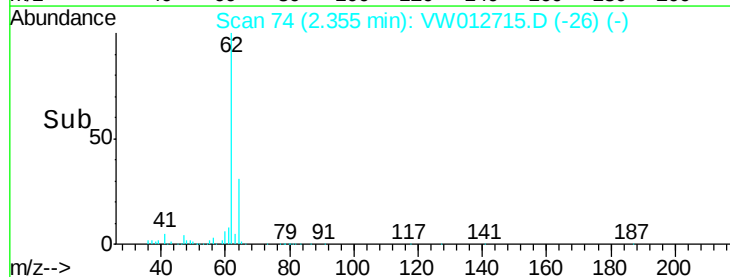
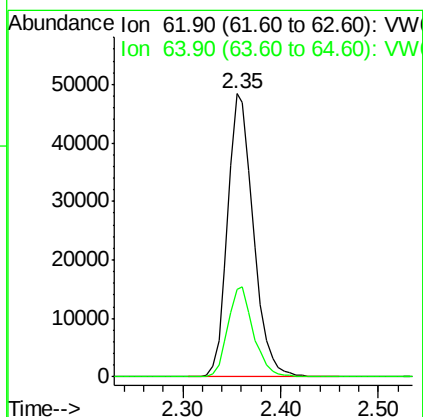
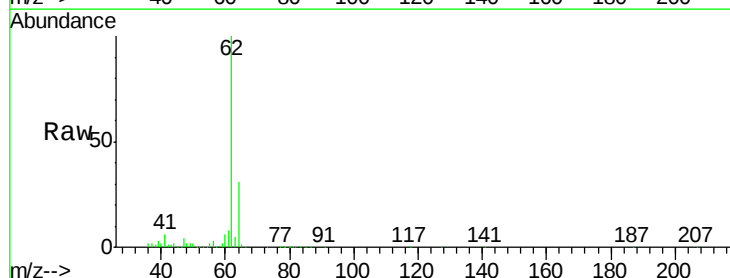
Acq: 07 Sep 2019 12:34

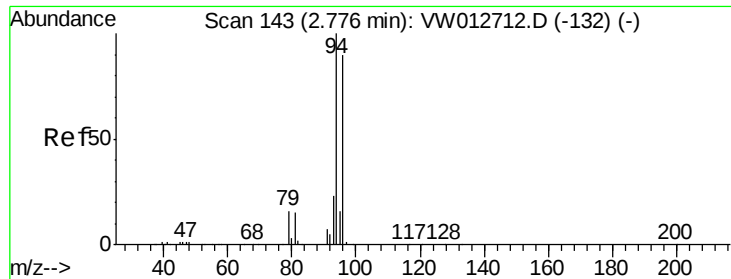
Tgt Ion: 62 Resp: 88445

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 49.673 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

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ClientSampleId :

ICVW090719

Tot Ion: 94 Resp: 50920

Ion Ratio Lower Upper

94 100

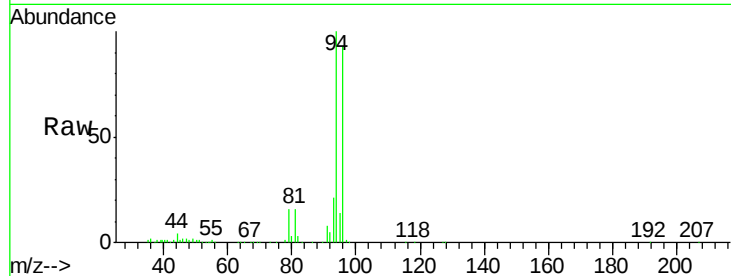
96 92.9 72.1 108.1

Manual Integrations

APPROVED

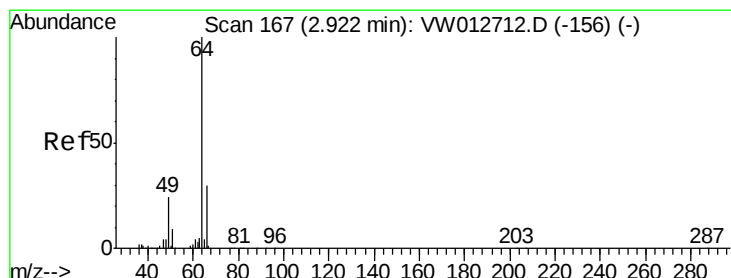
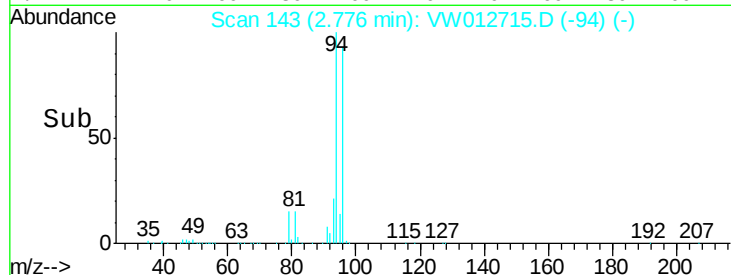
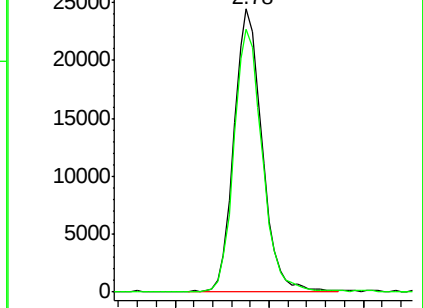
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 48.362 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012715.D

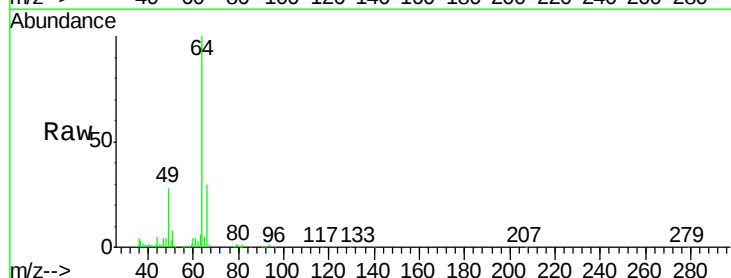
Acq: 07 Sep 2019 12:34

Tgt Ion: 64 Resp: 54480

Ion Ratio Lower Upper

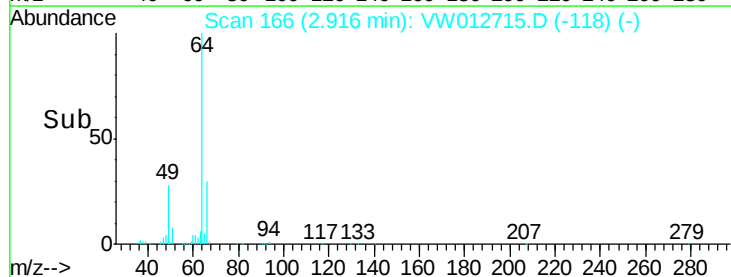
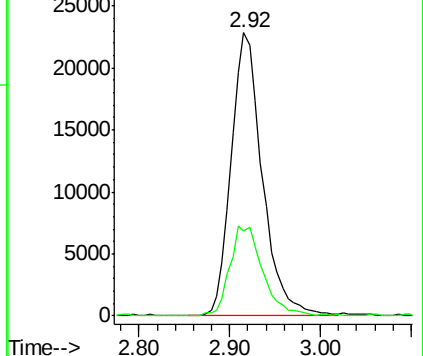
64 100

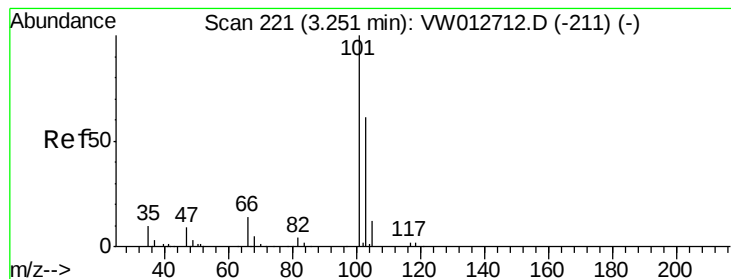
66 29.3 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

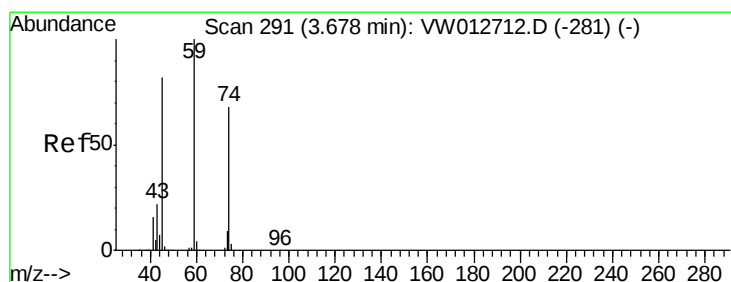
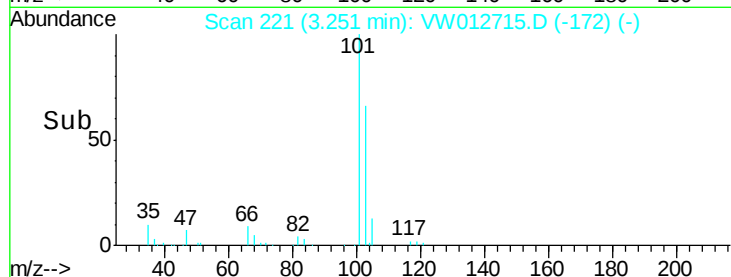
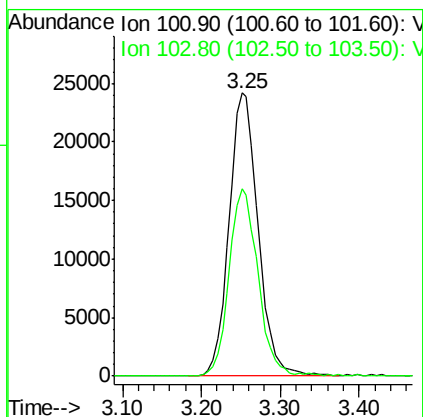
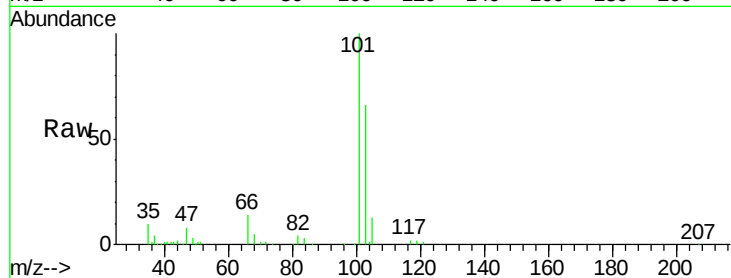
Trichlorofluoromethane
Concen: 47.532 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW012715.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		61921		
103	66.1	49.0	73.4		

Manual Integrations
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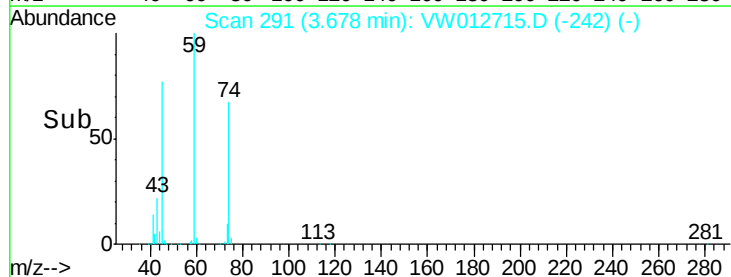
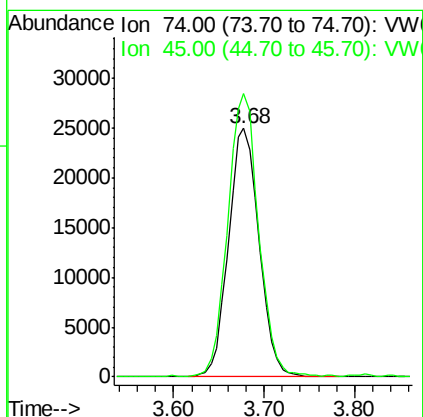
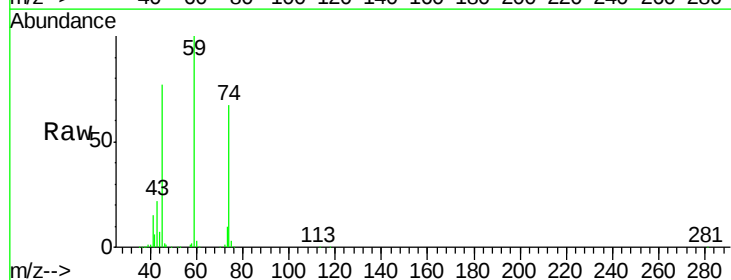
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9/10/2019 1:02:45 PM

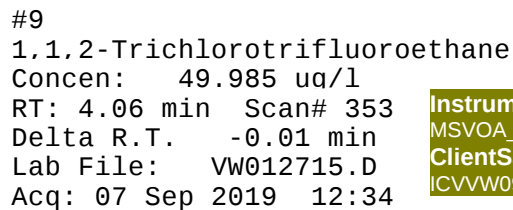


#8

Diethyl Ether
Concen: 53.393 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		58460		
45	115.1	58.8	176.4		



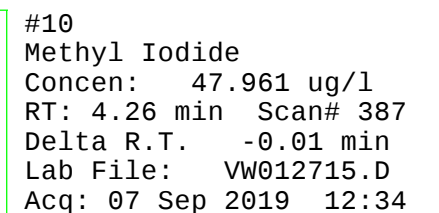
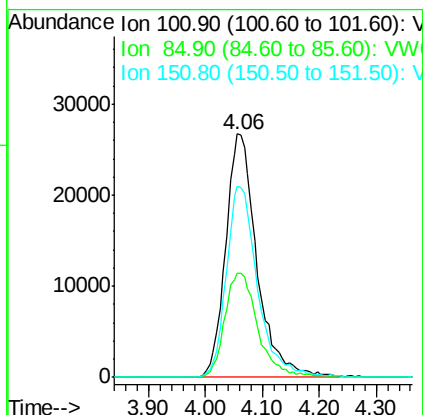


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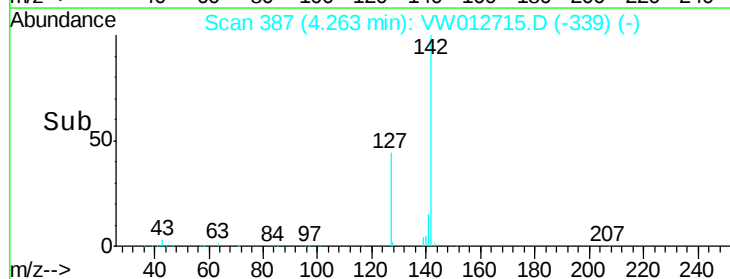
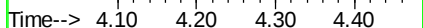
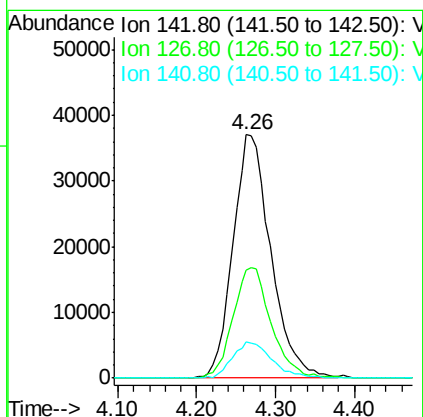
Tqt	Ion:101	Resp:	102187
Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.2
151	78.8	61.9	92.9

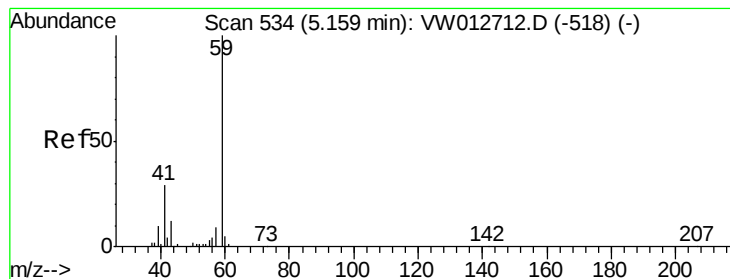
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Tgt	Ion:142	Resp:	123430
Ion	Ratio	Lower	Upper
142	100		
127	45.9	36.0	54.0
141	15.4	12.2	18.4





#11

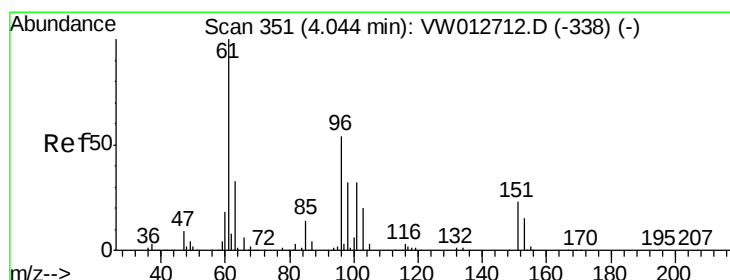
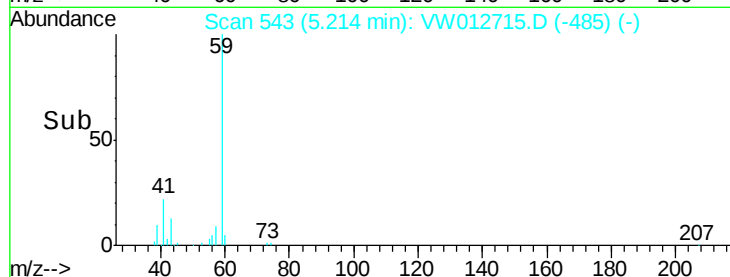
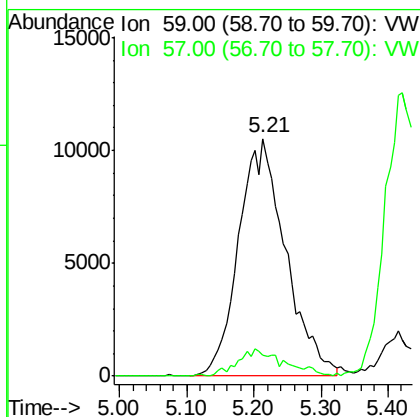
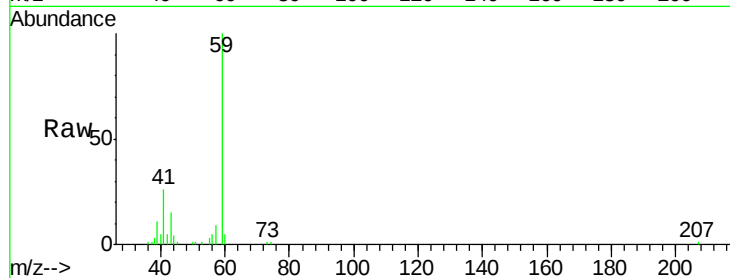
Tert butyl alcohol
 Concen: 255.153 ug/l m
 RT: 5.21 min Scan# 543
 Delta R.T. 0.05 min
 Lab File: VW012715.D
 Acq: 07 Sep 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW090719

Tot Ion	59	Resp	50973
Ion Ratio	100	Lower	Upper
57	10.4	8.2	12.4

Manual Integrations
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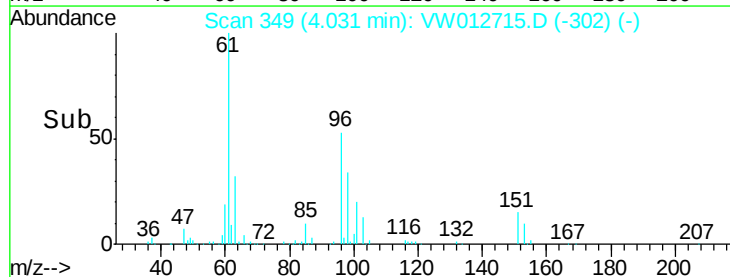
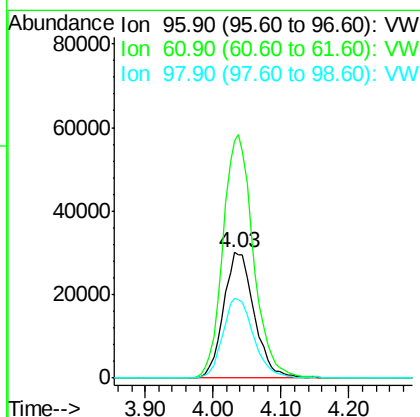
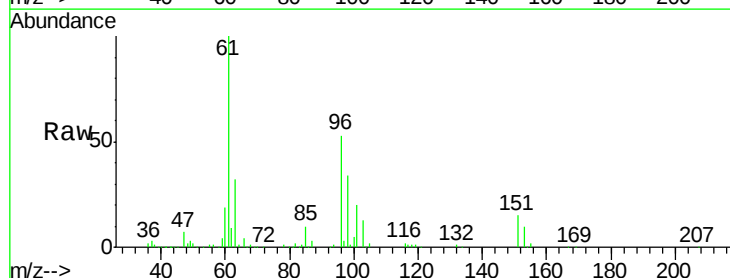
MMDadoda
 9/10/2019 1:02:45 PM

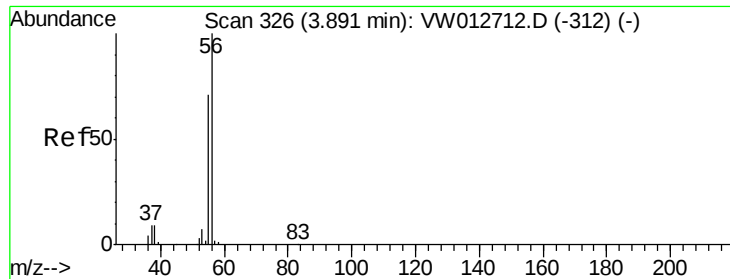


#12

1,1-Dichloroethene
 Concen: 48.787 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012715.D
 Acq: 07 Sep 2019 12:34

Tgt Ion	96	Resp	94151
Ion Ratio	100	Lower	Upper
61	188.8	147.8	221.6
98	63.9	47.9	71.9





#13

Acrolein

Concen: 223.404 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW090719

Tot Ion: 56 Resp: 47361

Ion Ratio Lower Upper

56 100

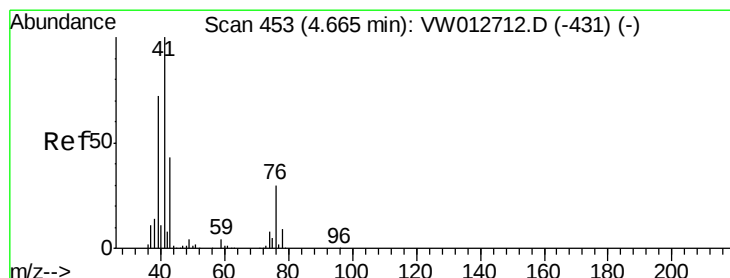
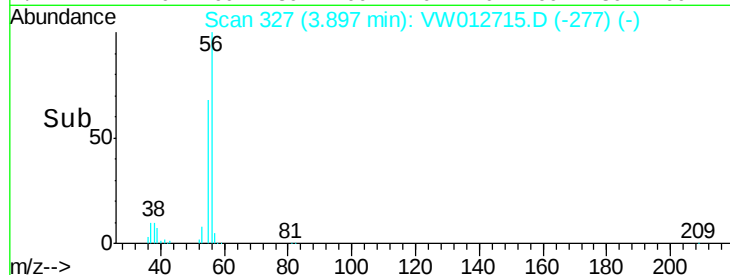
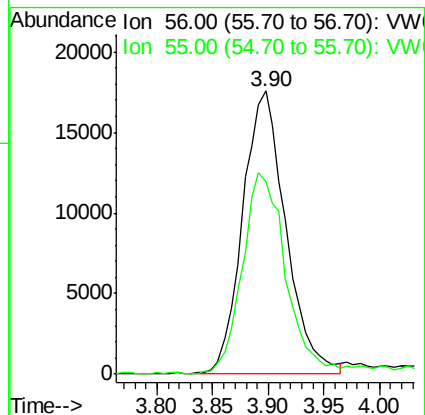
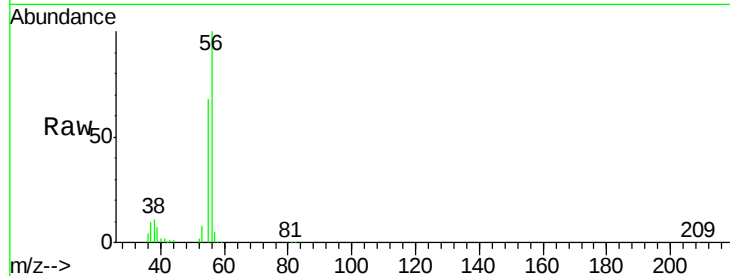
55 72.3 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 50.437 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

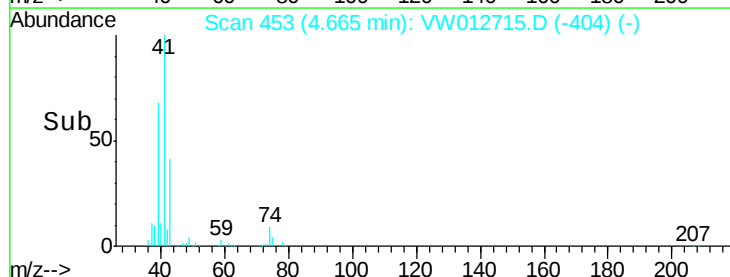
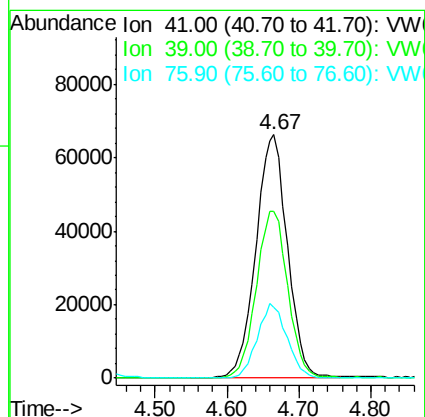
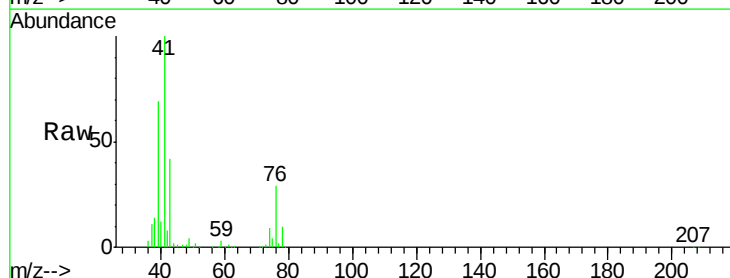
Tgt Ion: 41 Resp: 201354

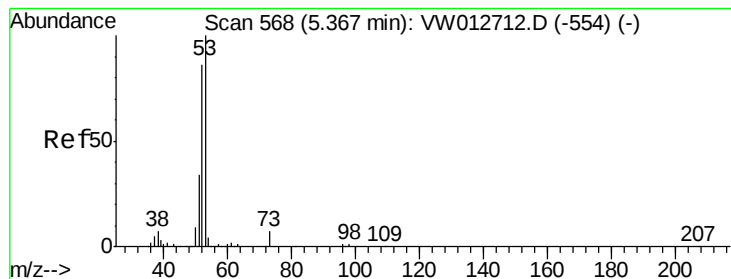
Ion Ratio Lower Upper

41 100

39 68.6 55.0 82.6

76 28.8 23.0 34.4





#15

Acrylonitrile

Concen: 253.730 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

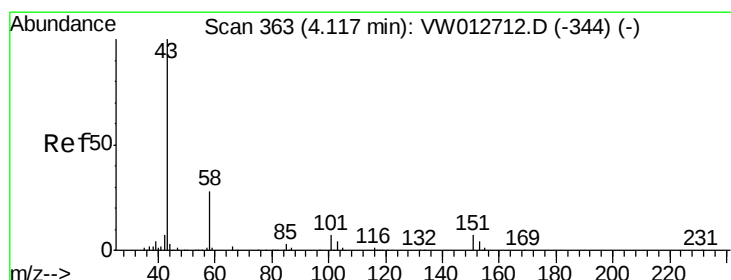
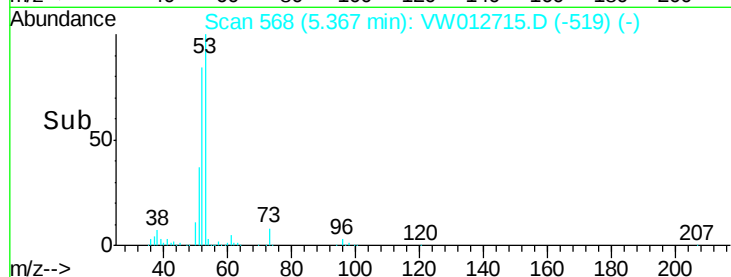
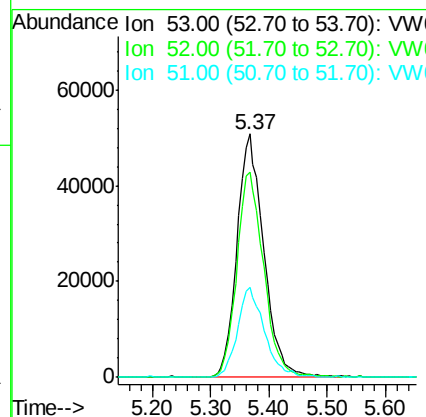
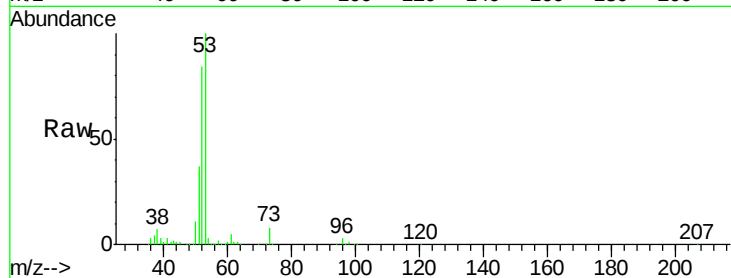
ClientSampleId :

ICVW090719

Tot Ion:	53	Resp:	162261
Ion Ratio	Lower	Upper	
53	100		
52	84.4	67.0	100.4
51	37.3	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 276.396 ug/l

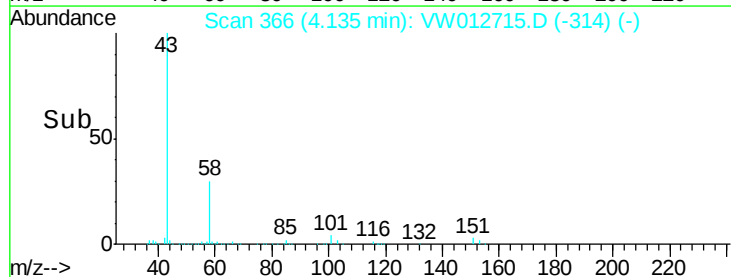
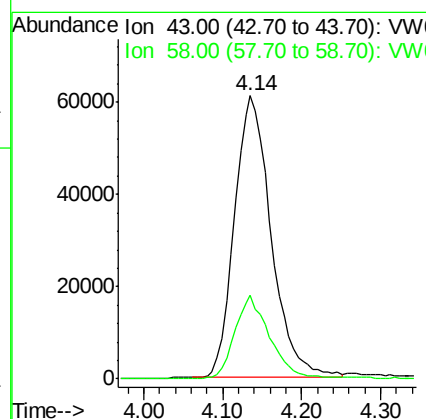
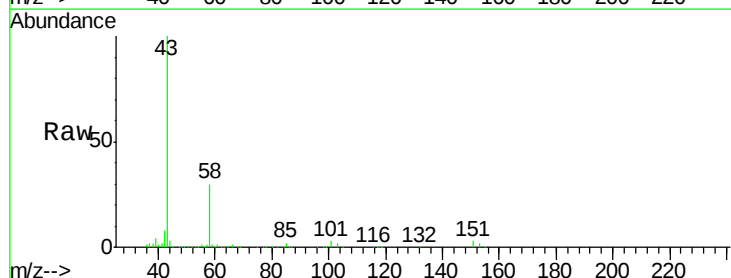
RT: 4.14 min Scan# 366

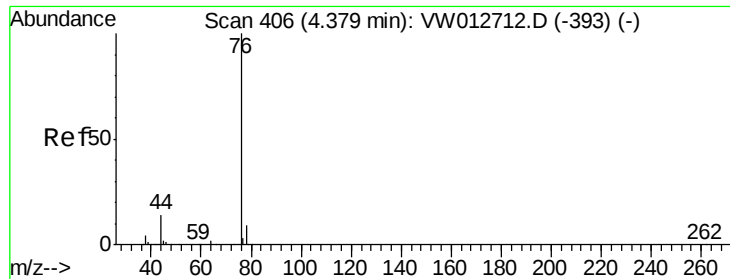
Delta R.T. 0.02 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Tgt Ion:	43	Resp:	196747
Ion Ratio	Lower	Upper	
43	100		
58	29.9	22.6	33.8





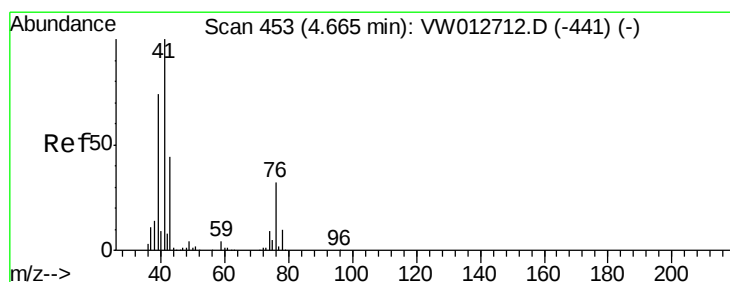
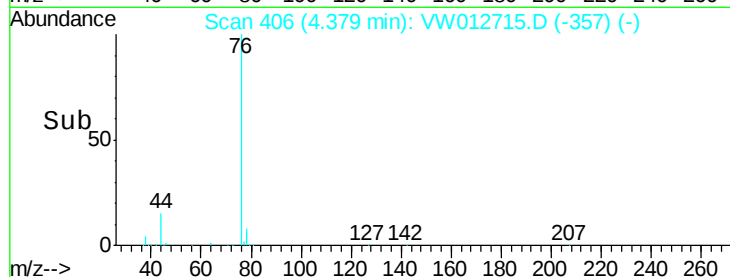
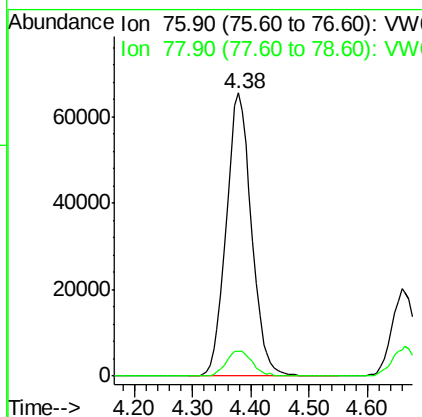
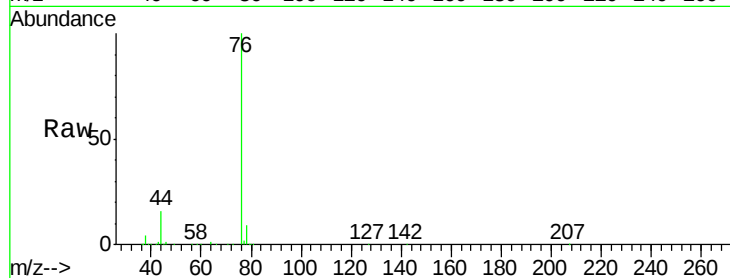
#17
Carbon Disulfide
Concen: 48.234 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

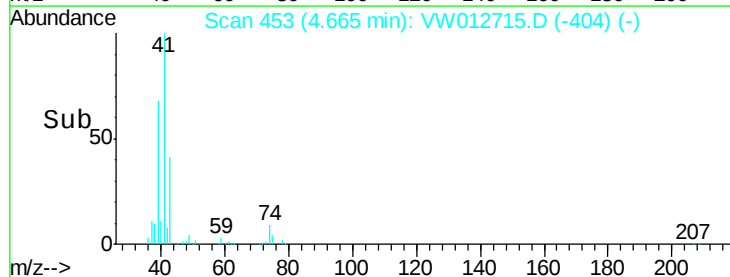
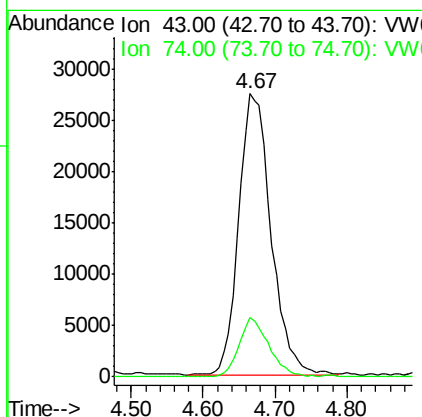
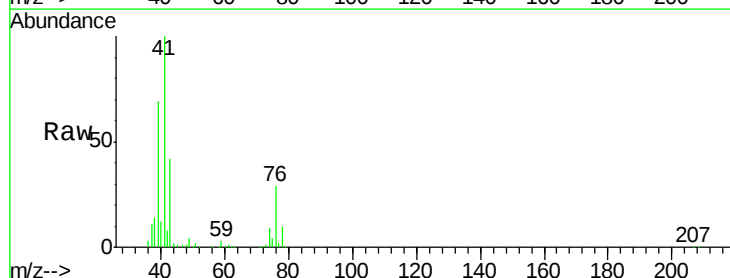
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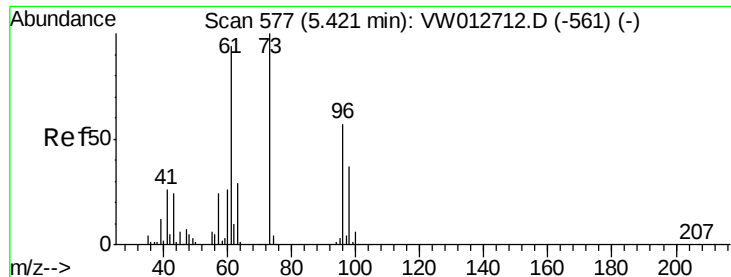
MMDadoda
9/10/2019 1:02:45 PM



#18
Methyl Acetate
Concen: 51.129 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	15.8	23.6





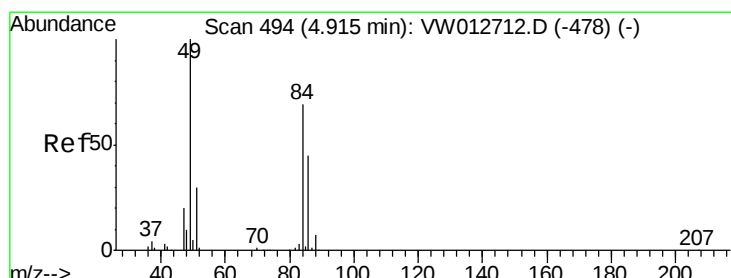
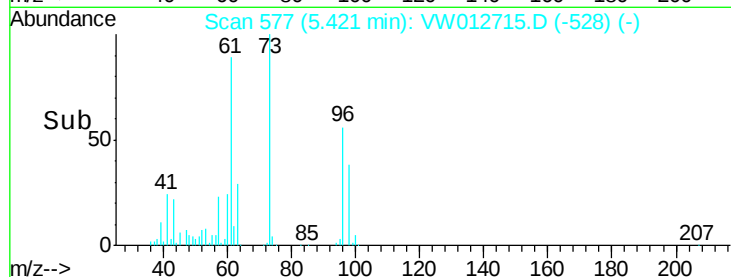
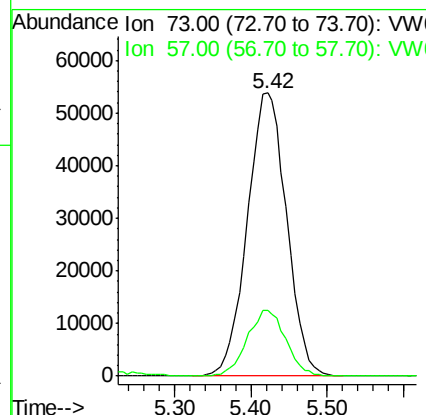
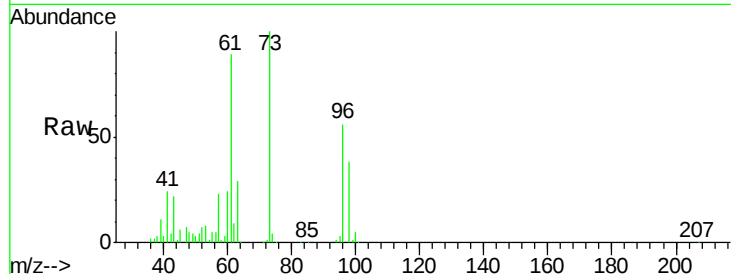
#19
Methvl tert-butvl Ether
Concen: 50.137 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	19.2	28.8

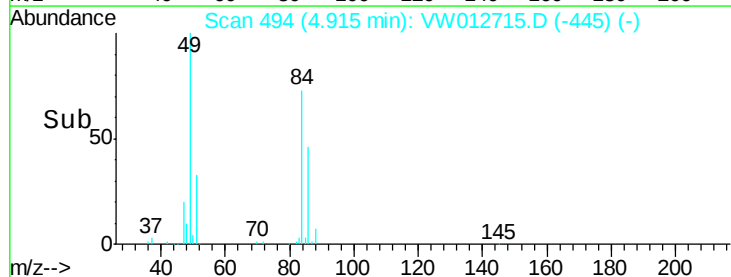
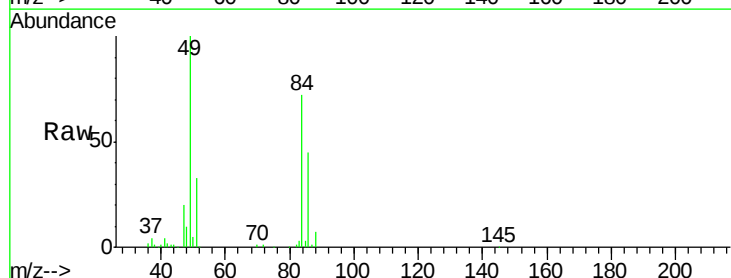
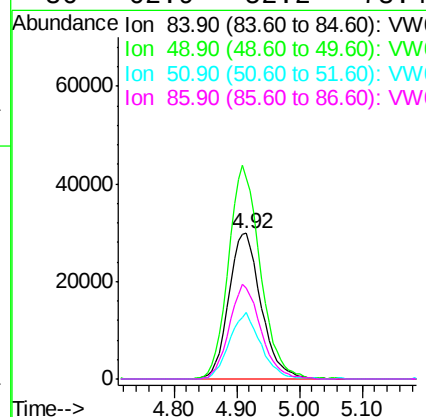
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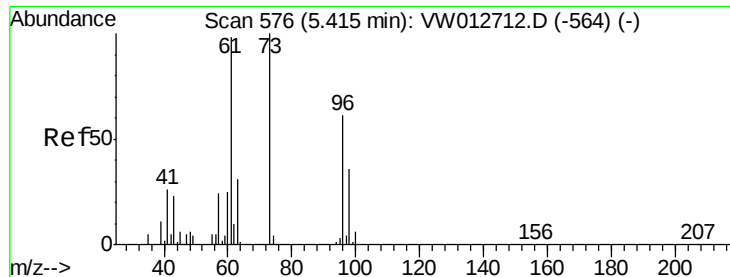
MMDadoda
9/10/2019 1:02:45 PM



#20
Methylene Chloride
Concen: 47.883 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.2	115.4	173.0
51	45.9	34.9	52.3
86	62.9	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 47.004 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

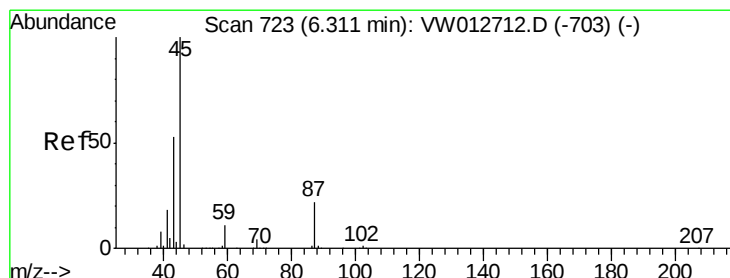
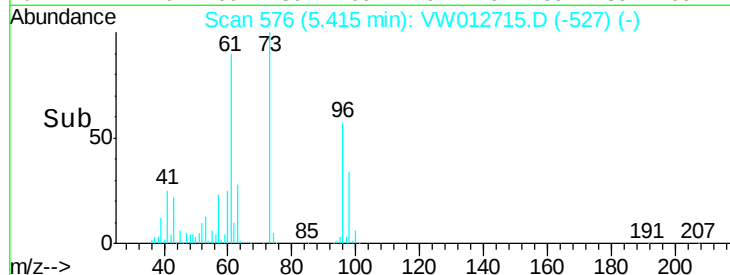
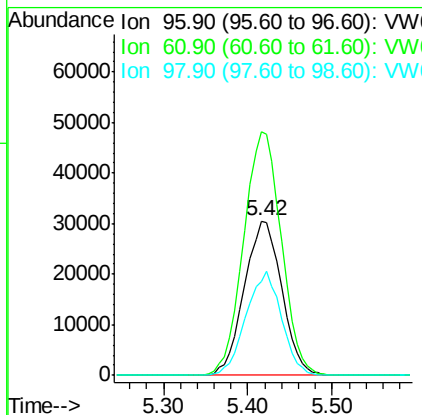
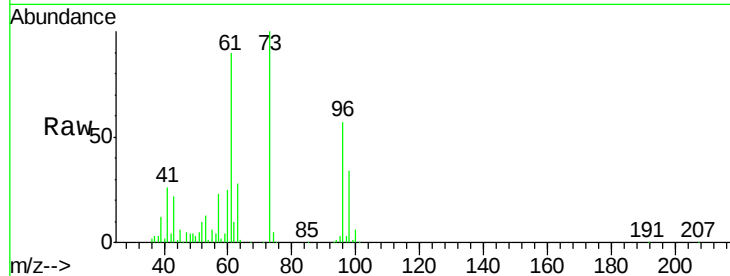
ClientSampleId :

ICVW090719

Tot Ion:	96	Resp:	92557
Ion	Ratio	Lower	Upper
96	100		
61	157.7	129.2	193.8
98	60.5	48.0	72.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.379 ug/l

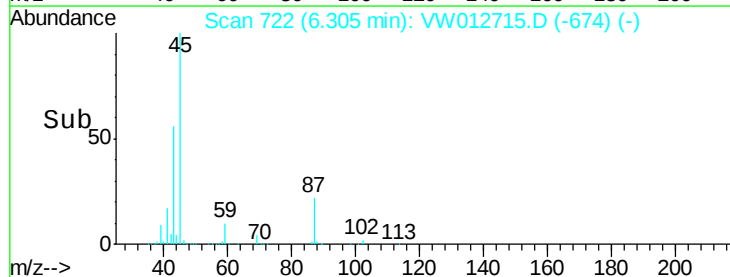
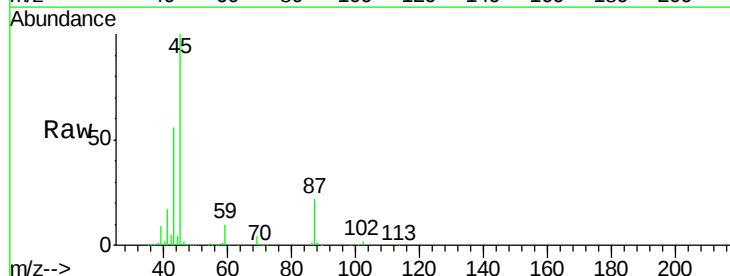
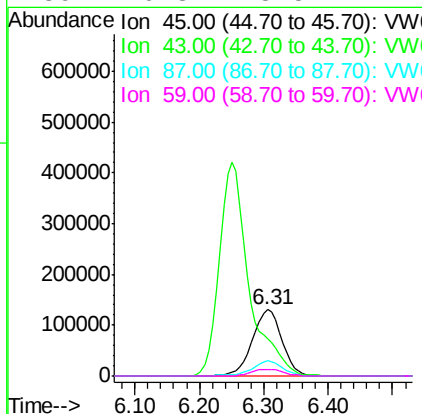
RT: 6.31 min Scan# 722

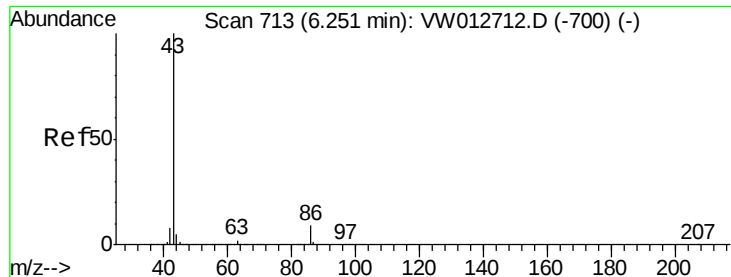
Delta R.T. -0.01 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Tgt Ion:	45	Resp:	414730
Ion	Ratio	Lower	Upper
45	100		
43	55.8	42.3	63.5
87	22.4	18.2	27.2
59	10.3	8.5	12.7





#23

Vinyl Acetate

Concen: 272.221 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW090719

Tot Ion: 43 Resp: 1365990

Ion Ratio Lower Upper

43 100

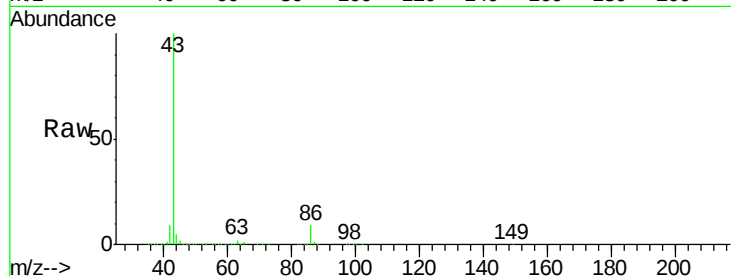
86 8.8 7.0 10.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

500000

400000

300000

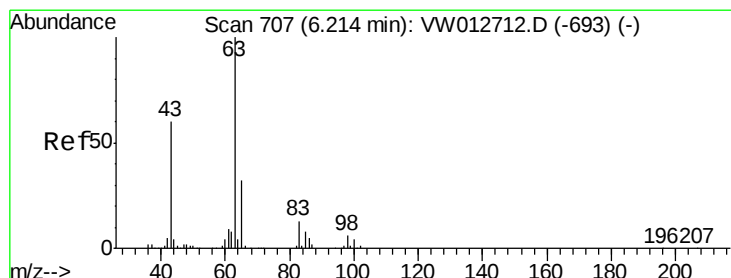
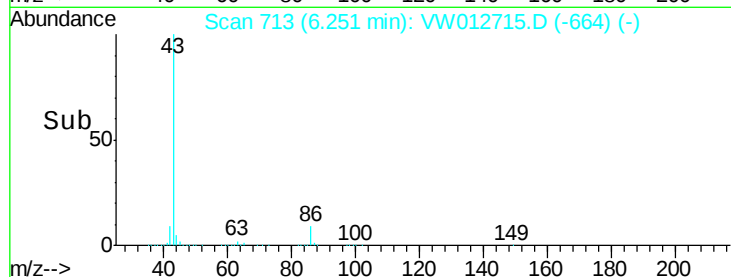
200000

100000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 49.550 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

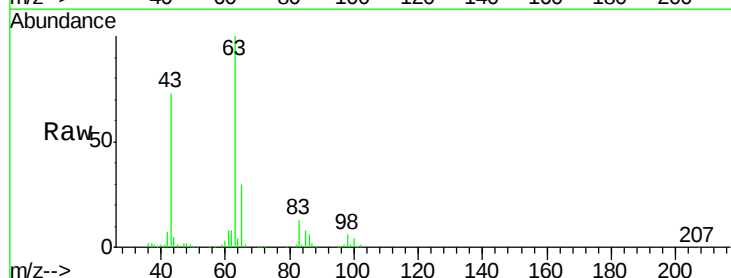
Tgt Ion: 63 Resp: 211248

Ion Ratio Lower Upper

63 100

98 5.8 3.1 9.3

100 3.9 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

80000

60000

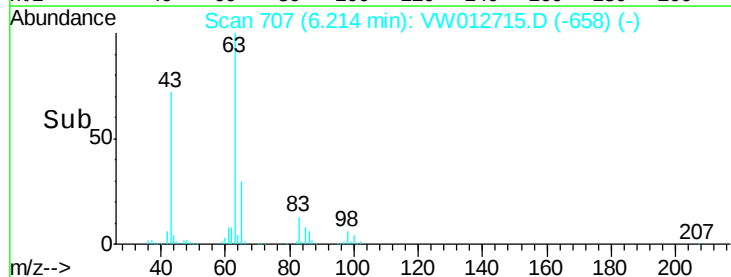
40000

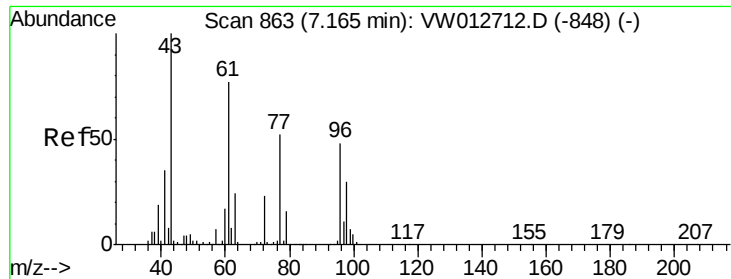
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 241.554 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW090719

Tot Ion: 43 Resp: 252417

Ion Ratio Lower Upper

43 100

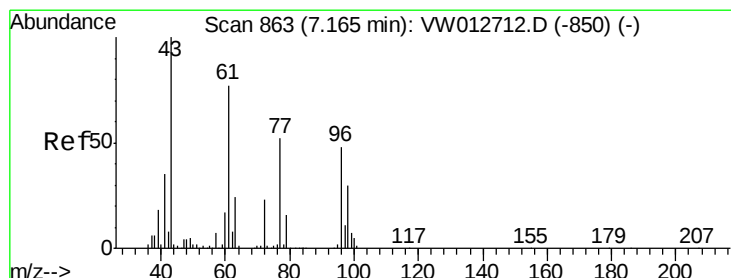
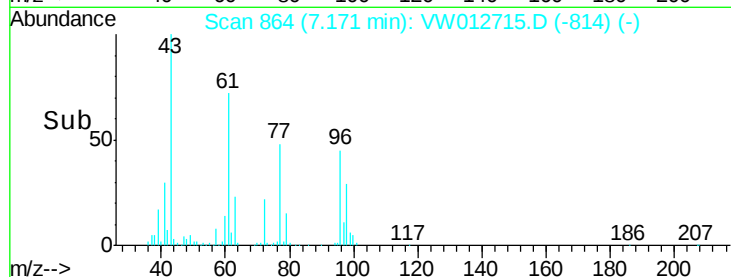
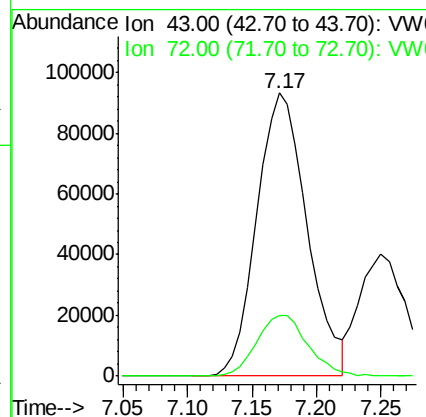
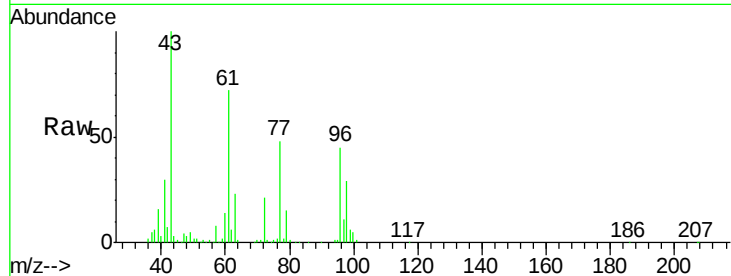
72 21.5 18.0 27.0

Manual Integrations

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9/10/2019 1:02:45 PM



#26

2,2-Dichloropropane

Concen: 51.644 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012715.D

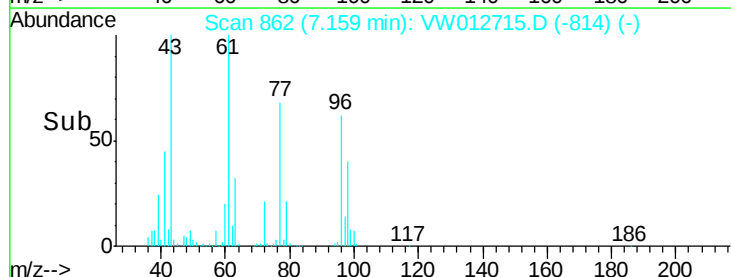
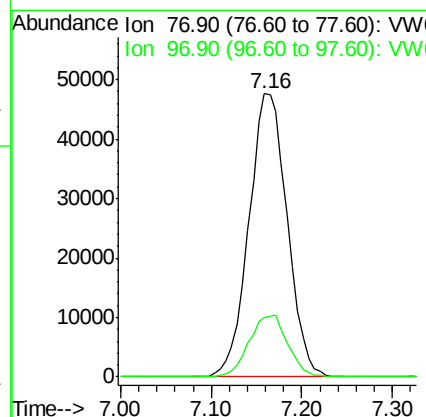
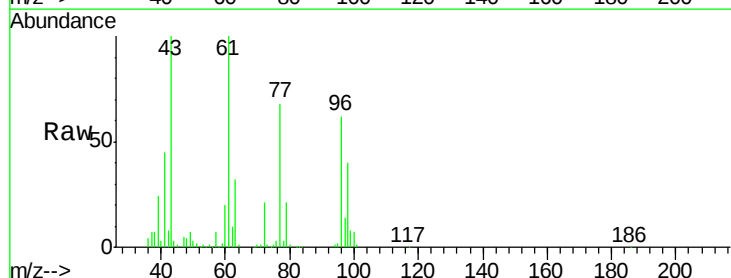
Acq: 07 Sep 2019 12:34

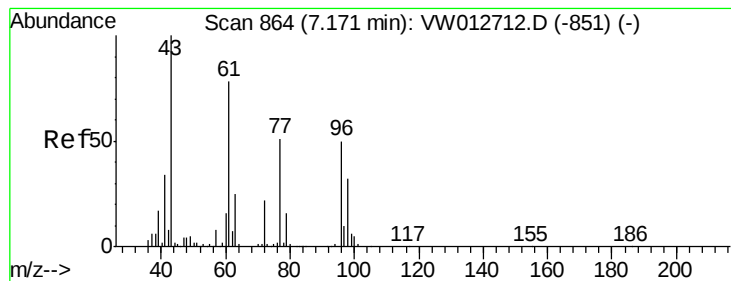
Tgt Ion: 77 Resp: 139061

Ion Ratio Lower Upper

77 100

97 22.0 10.7 32.1





#27

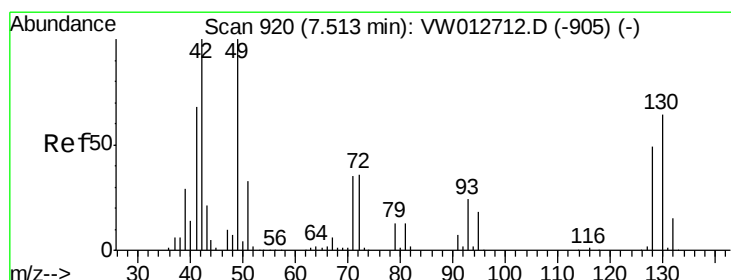
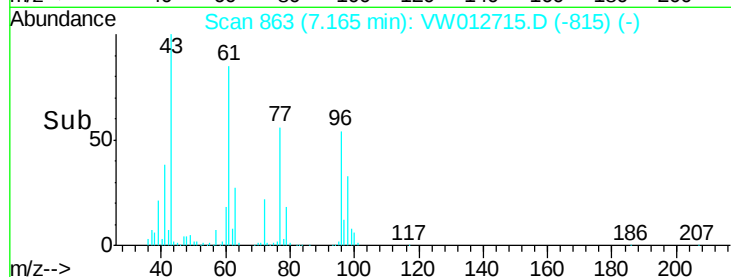
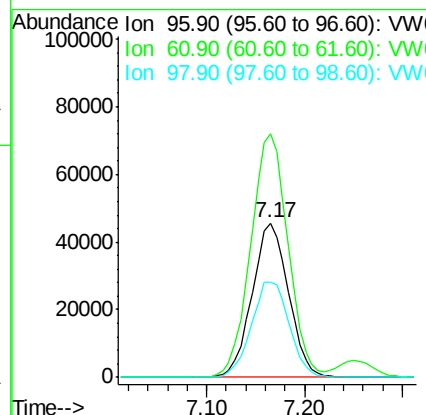
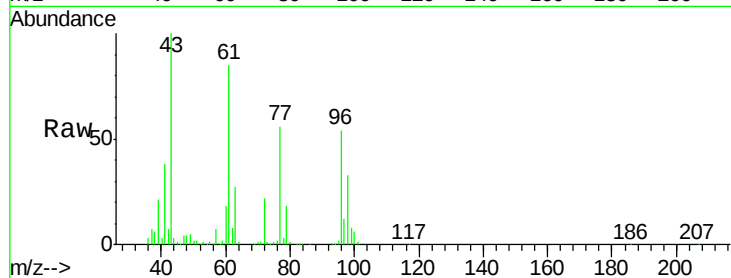
cis-1,2-Dichloroethene
Concen: 51.562 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.3	0.0	325.8	
98	64.5	0.0	127.0	

Manual Integrations
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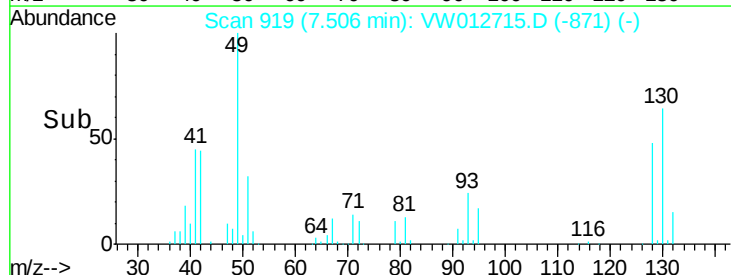
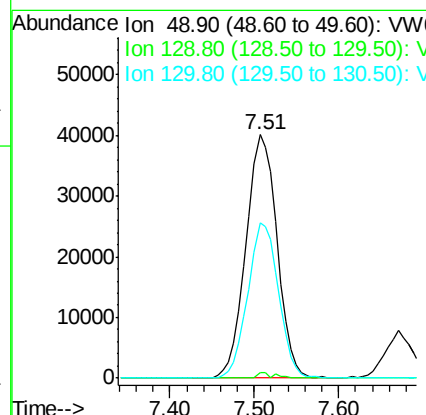
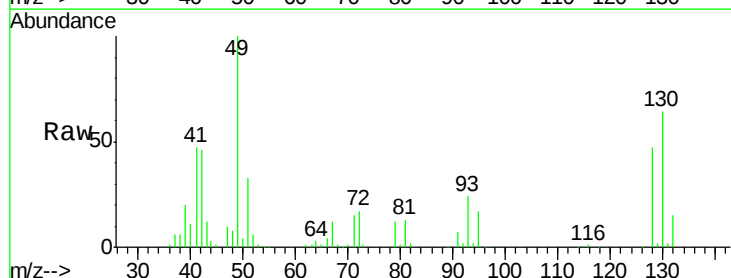
MMDadoda
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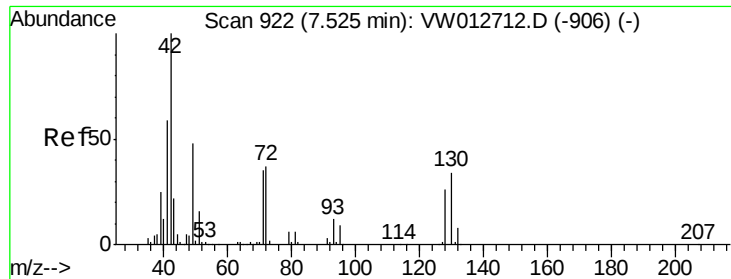


#28

Bromochloromethane
Concen: 51.168 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.6	0.0	0.8	
130	63.0	49.8	74.8	





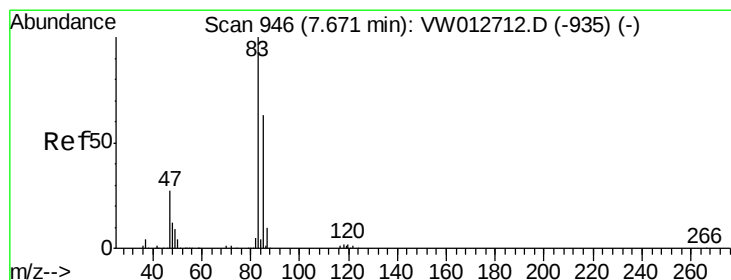
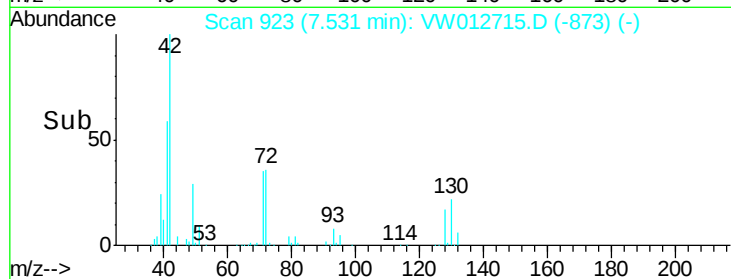
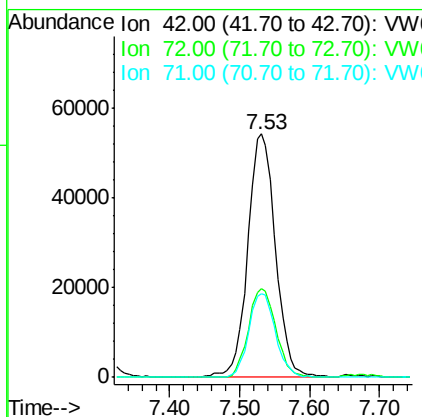
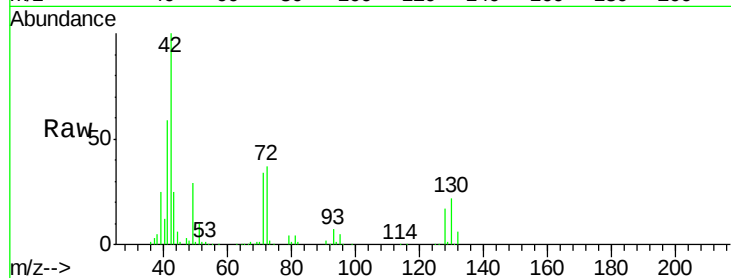
#29
Tetrahydrofuran
Concen: 258.487 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion	Ratio	Resp Lower	Resp Upper
42	100		
72	36.3	28.4	42.6
71	33.5	27.1	40.7

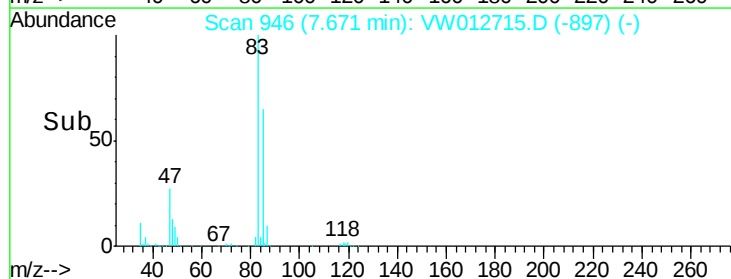
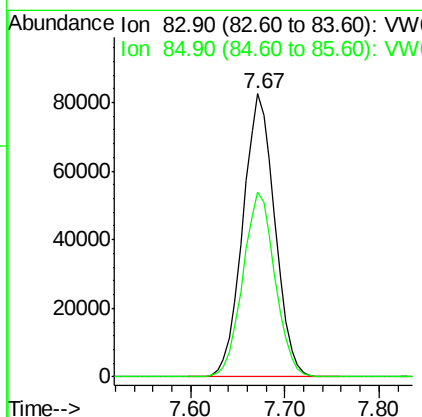
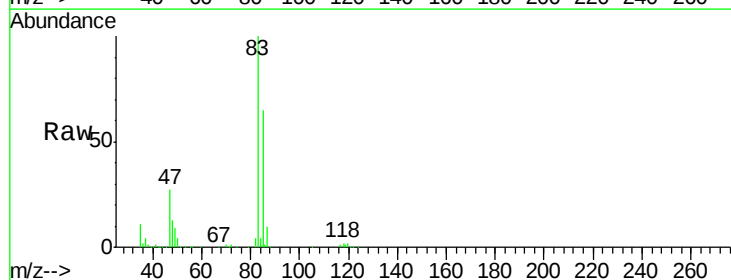
Manual Integrations
APPROVED

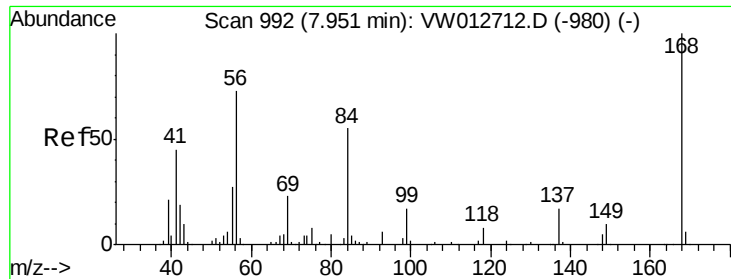
MMDadoda
9/10/2019 1:02:45 PM



#30
Chloroform
Concen: 46.451 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
85	65.1	50.6	76.0





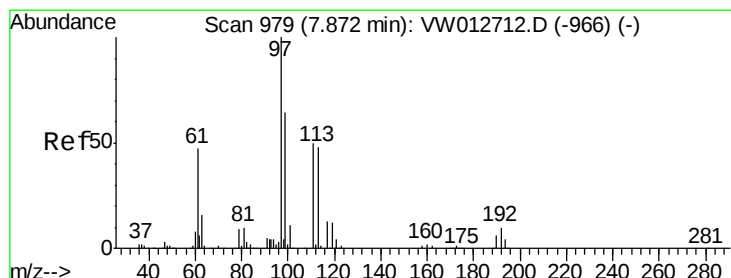
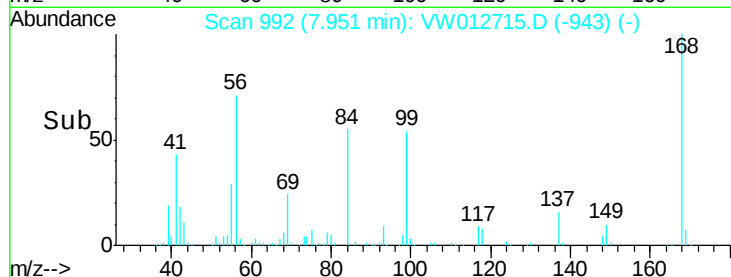
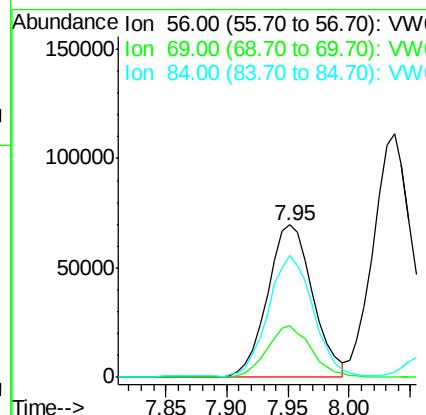
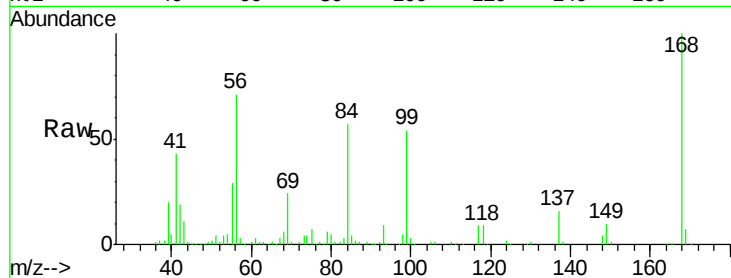
#31
Cyclohexane
Concen: 46.861 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	25.7	38.5
84	78.4	60.4	90.6

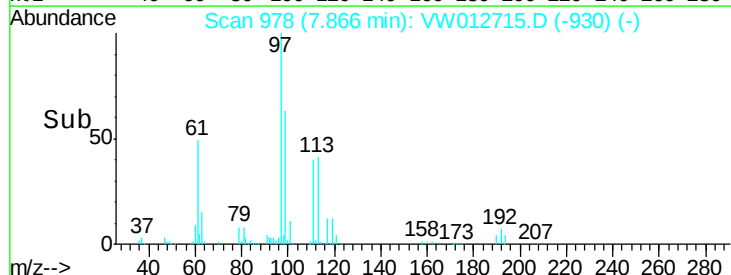
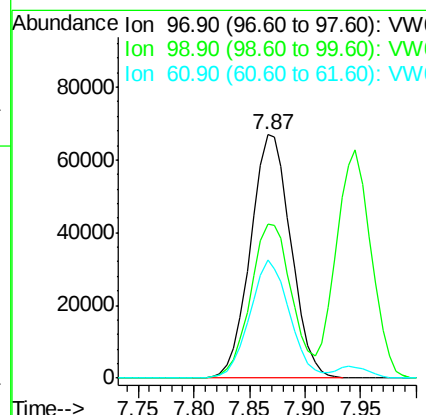
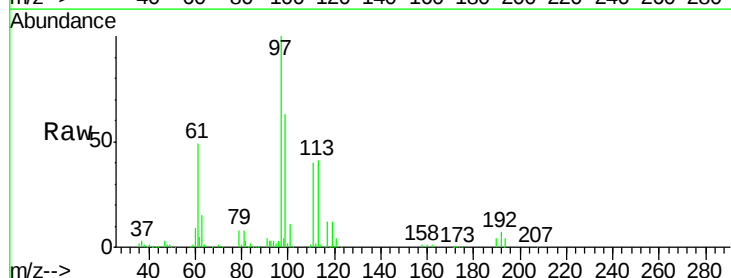
Manual Integrations
APPROVED

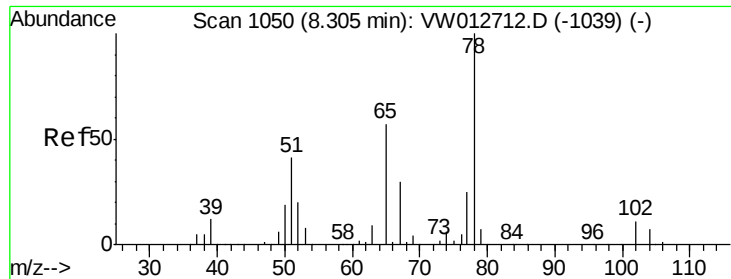
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#32
1,1,1-Trichloroethane
Concen: 49.390 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.5	77.3
61	47.5	37.9	56.9





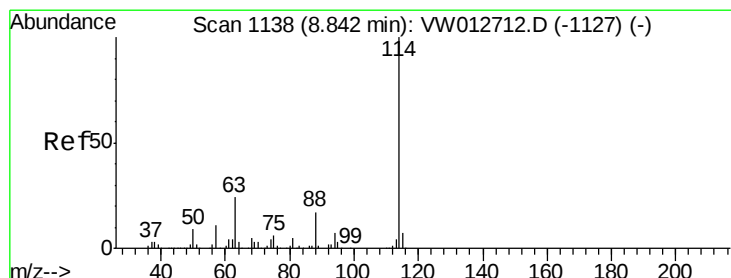
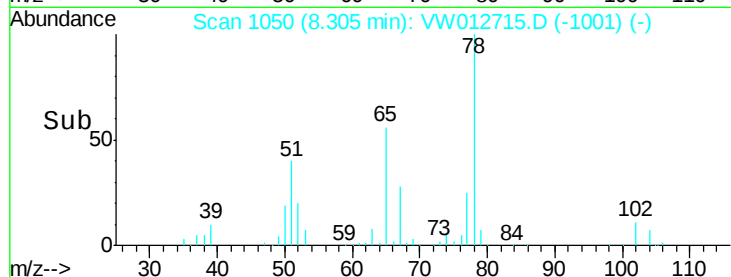
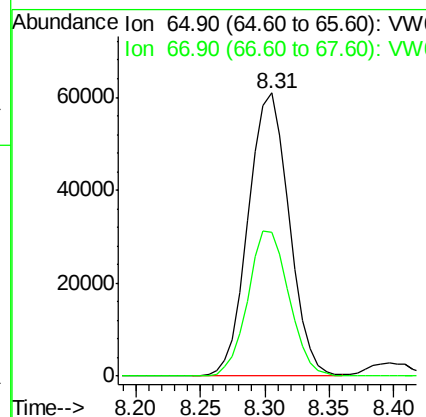
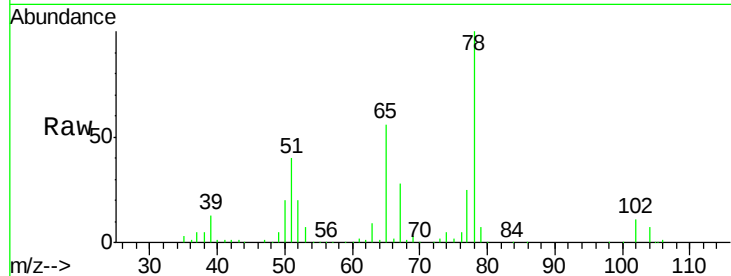
#33
 1,2-Dichloroethane-d4
 Concen: 51.257 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012715.D
 Acq: 07 Sep 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW090719

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133835		
67	51.4	0.0	101.8	

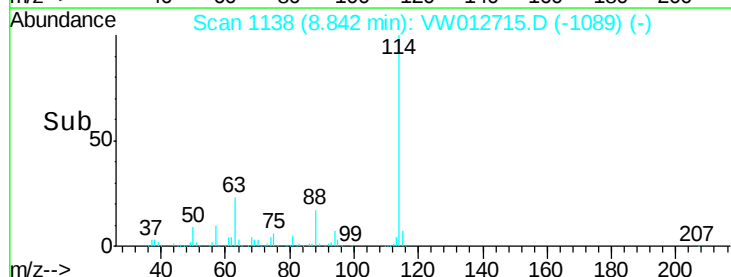
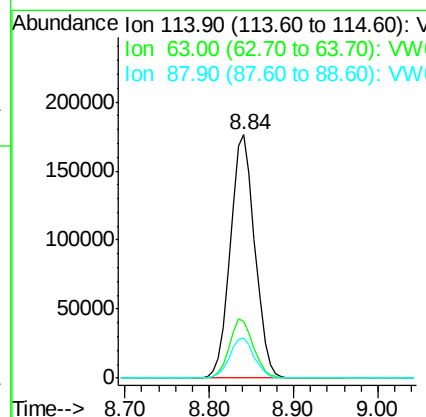
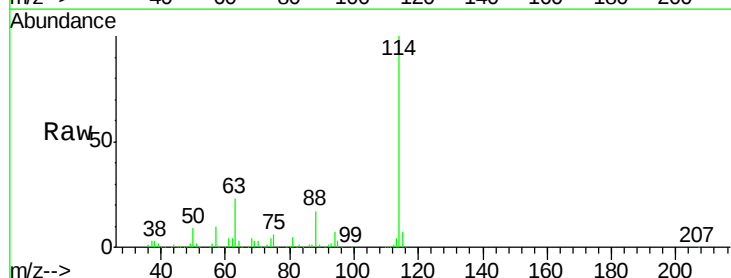
Manual Integrations
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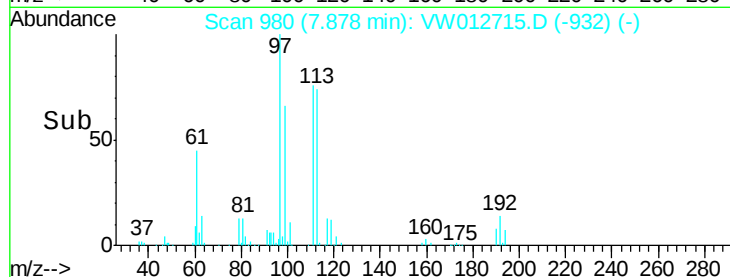
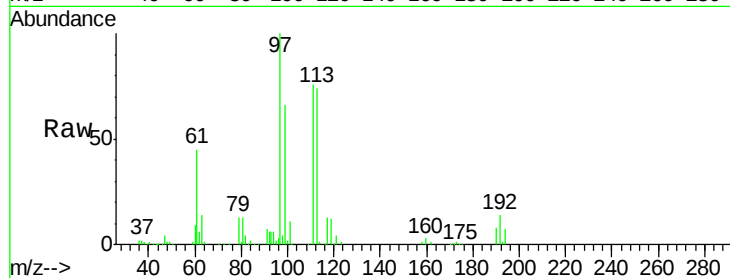
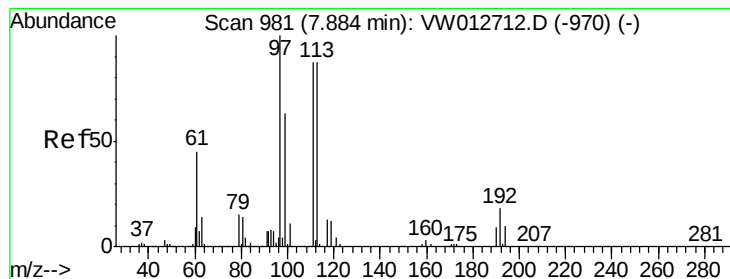
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012715.D
 Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	348426		
63	23.3	0.0	47.2	
88	16.7	0.0	34.0	





#35

Dibromofluoromethane

Concen: 49.157 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012715.D

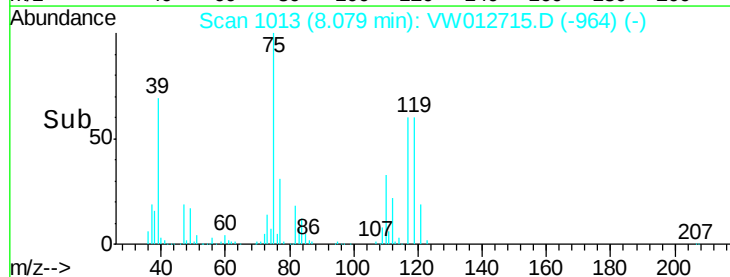
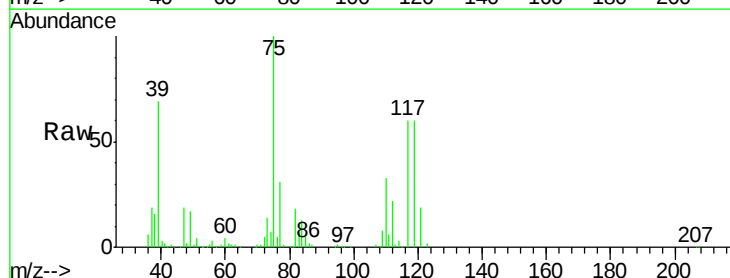
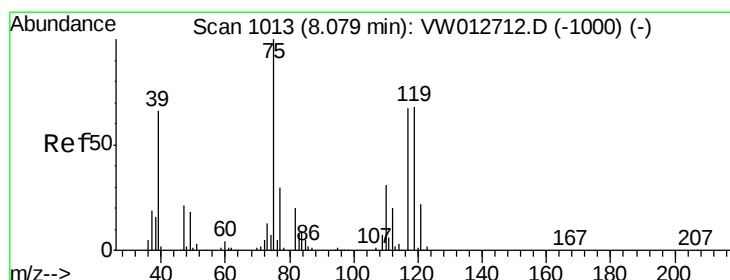
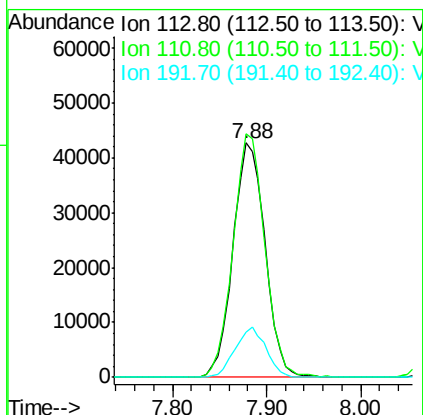
Acq: 07 Sep 2019 12:34

Tot Ion:	113	Resp:	101828
Ion Ratio	Lower	Upper	
113	100		
111	102.6	80.2	120.4
192	20.8	17.3	25.9

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.450 ug/l

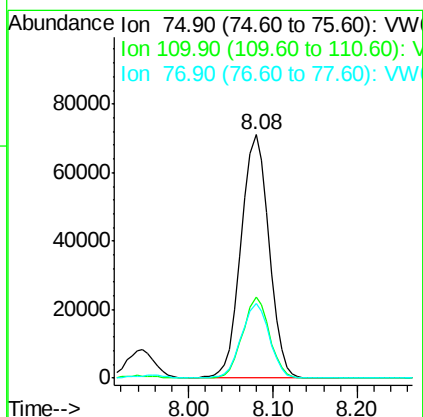
RT: 8.08 min Scan# 1013

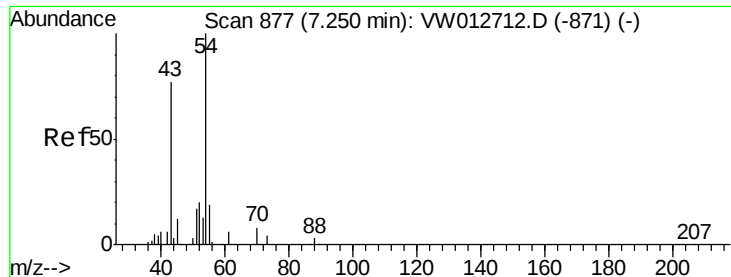
Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Tgt Ion:	75	Resp:	159283
Ion Ratio	Lower	Upper	
75	100		
110	31.7	15.9	47.7
77	30.7	25.0	37.4





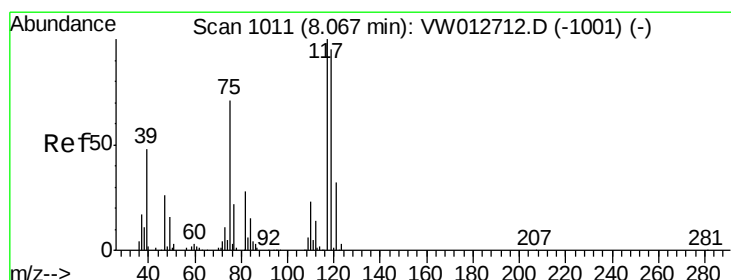
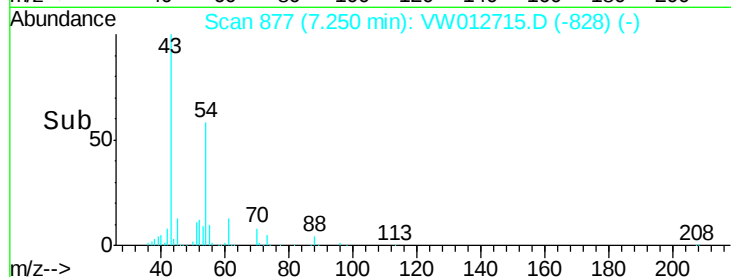
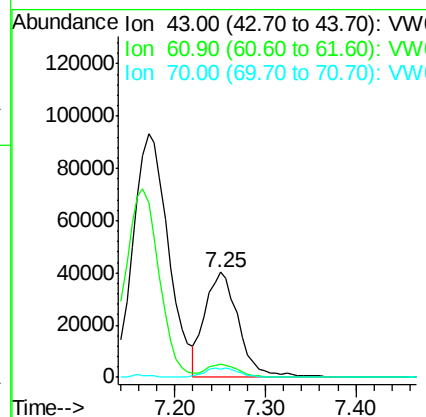
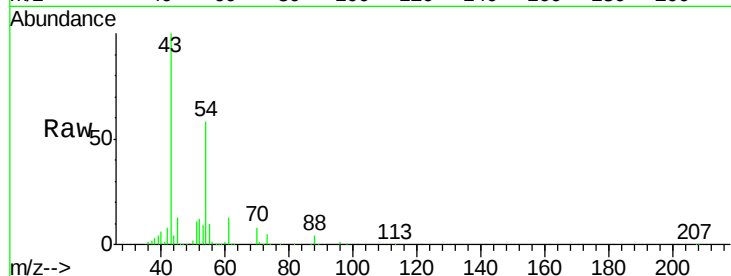
#37
Ethyl Acetate
Concen: 52.285 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.5	14.3
70	9.2	7.0	10.6

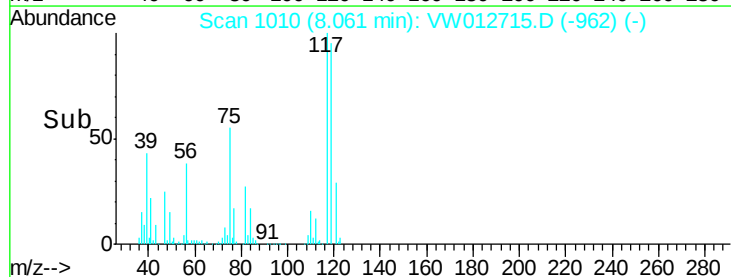
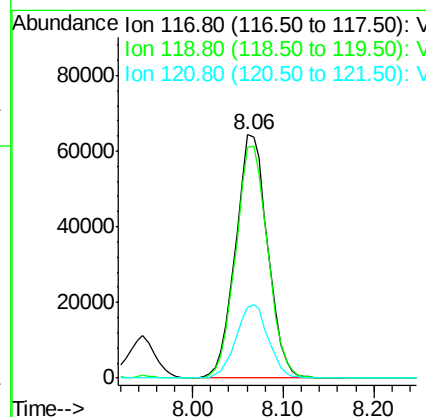
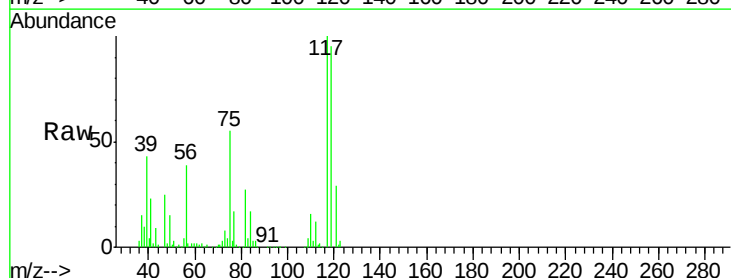
Manual Integrations
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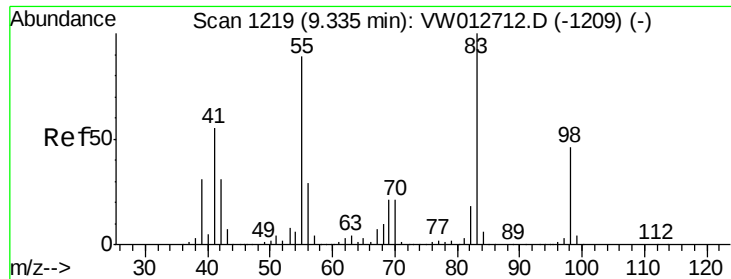
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9/10/2019 1:02:45 PM



#38
Carbon Tetrachloride
Concen: 51.940 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.2	114.2
121	29.3	25.4	38.2





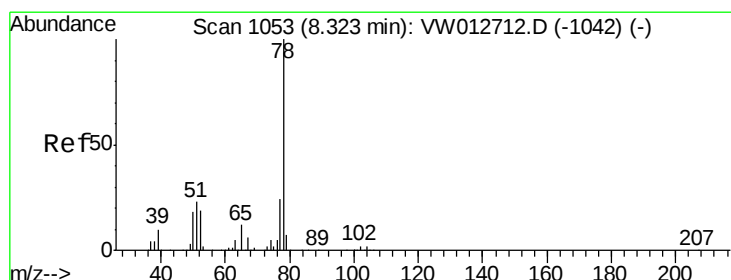
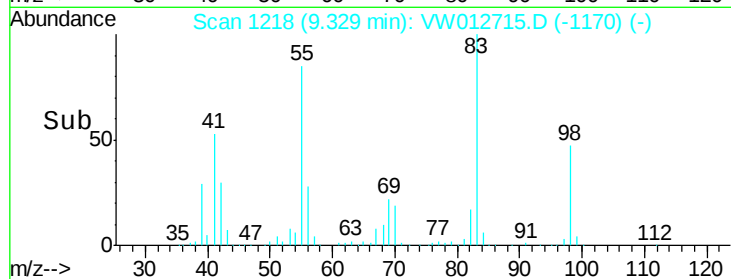
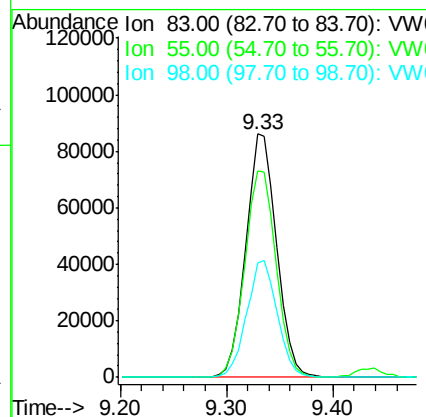
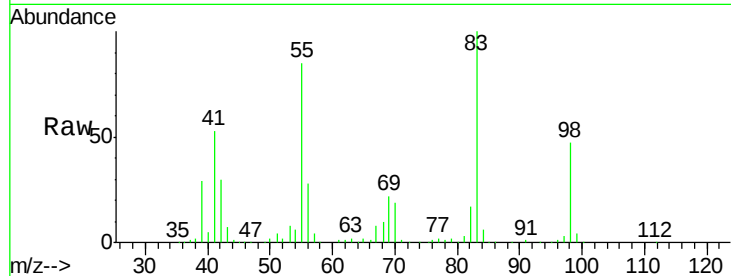
#39
Methvlcvclohexane
Concen: 50.285 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.0	71.0	106.4
98	47.2	36.9	55.3

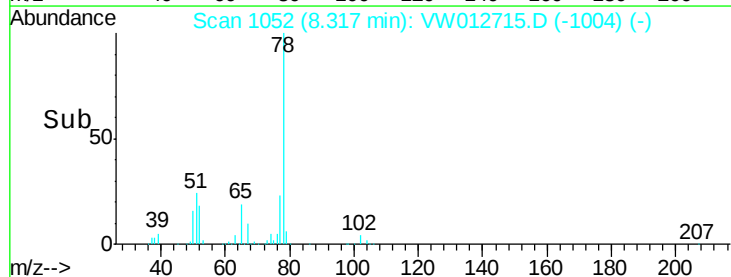
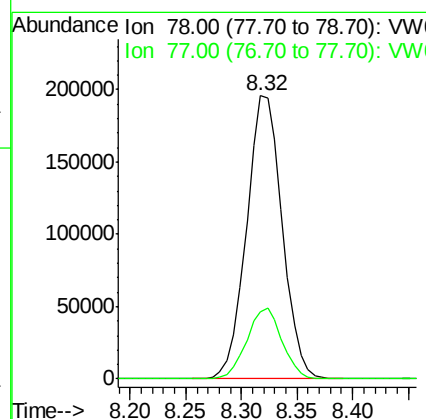
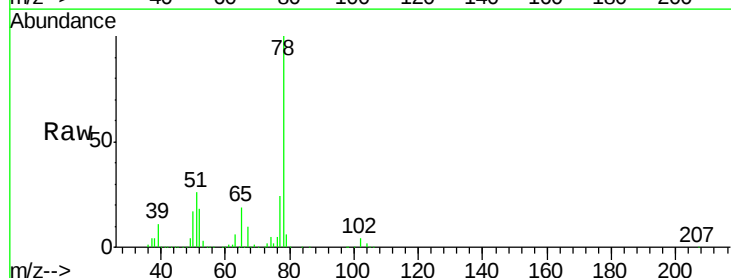
Manual Integrations
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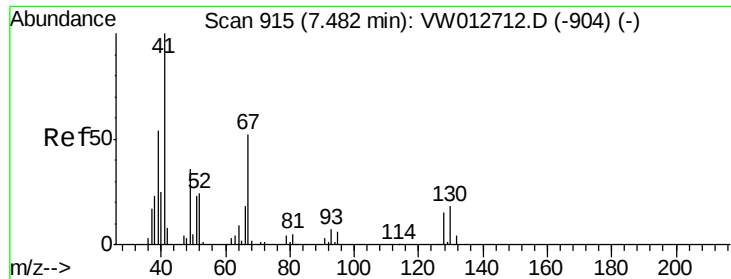
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#40
Benzene
Concen: 50.728 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.3	28.9





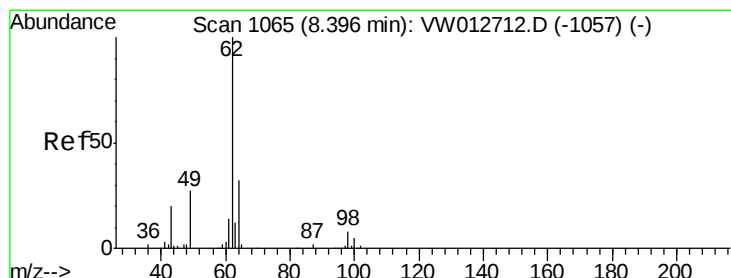
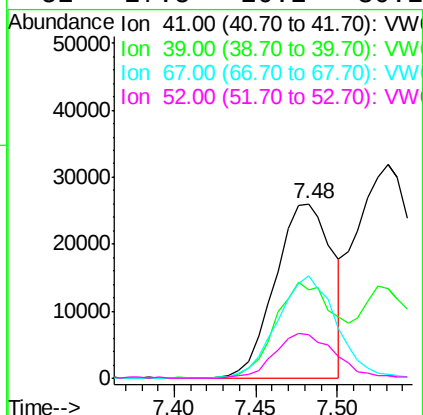
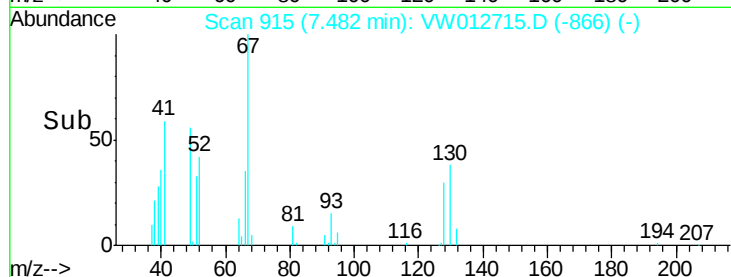
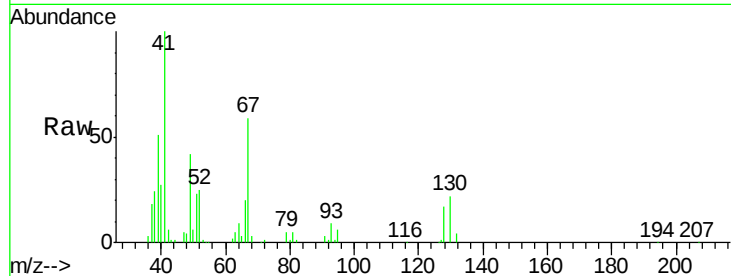
#41
Methacrylonitrile
Concen: 47.531 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.2	47.5	71.3
67	61.1	45.1	67.7
52	27.5	20.2	30.2

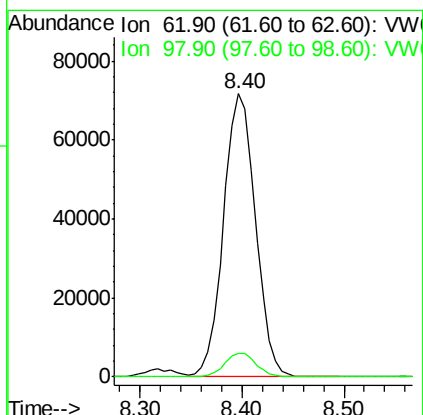
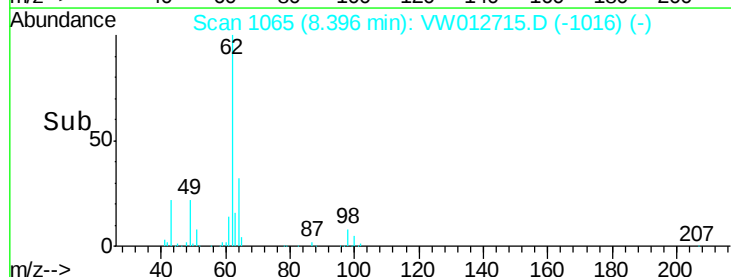
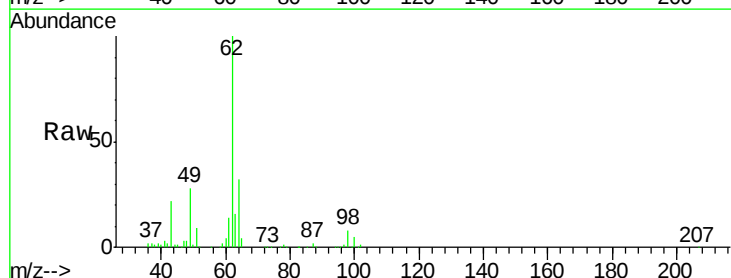
Manual Integrations
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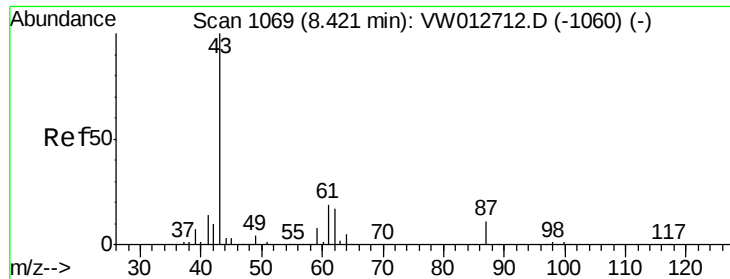
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.516 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.2





#43

Isopropyl Acetate

Concen: 53.103 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

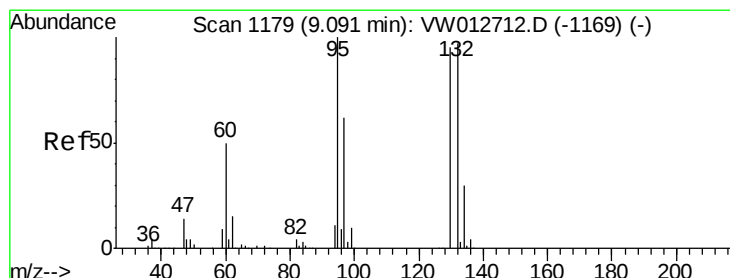
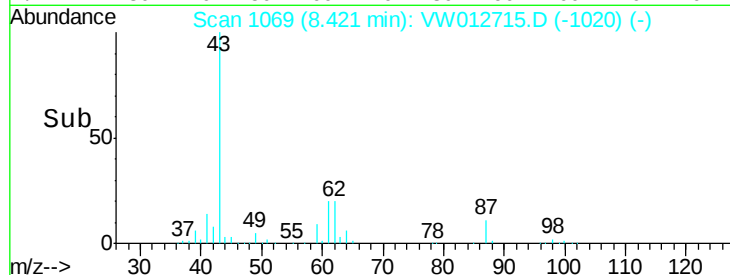
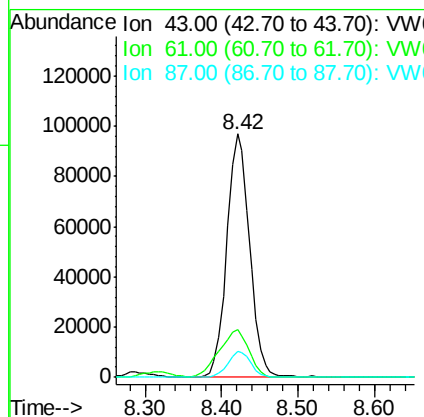
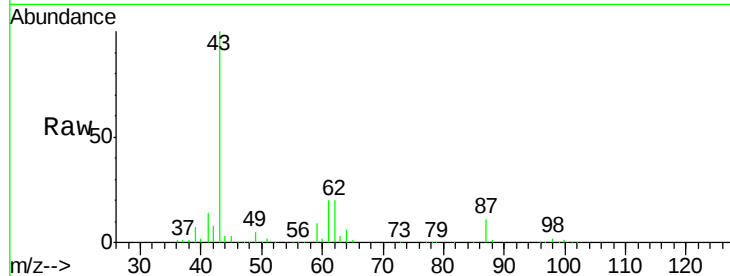
ClientSampleId :

ICVW090719

Tot Ion:	43	Resp:	198552
Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.6	30.8
87	10.8	8.6	13.0

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#44

Trichloroethene

Concen: 50.931 ug/l

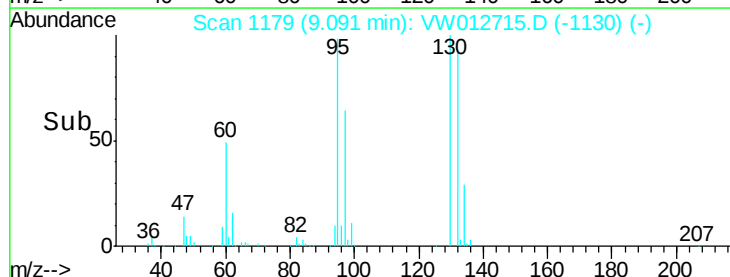
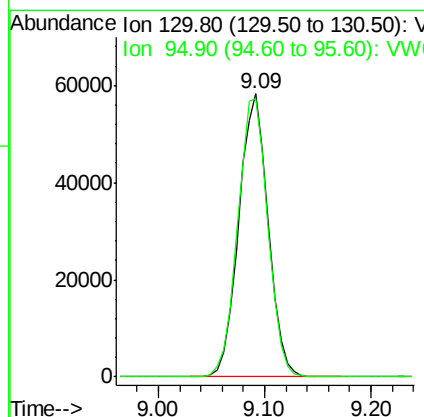
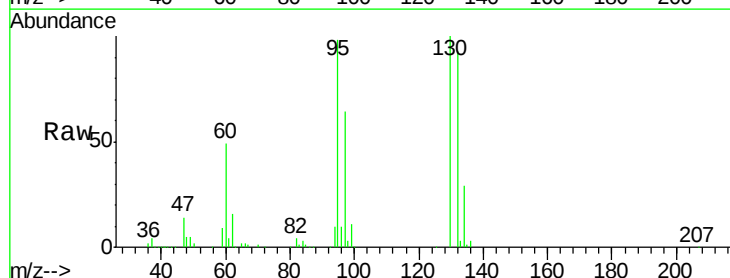
RT: 9.09 min Scan# 1179

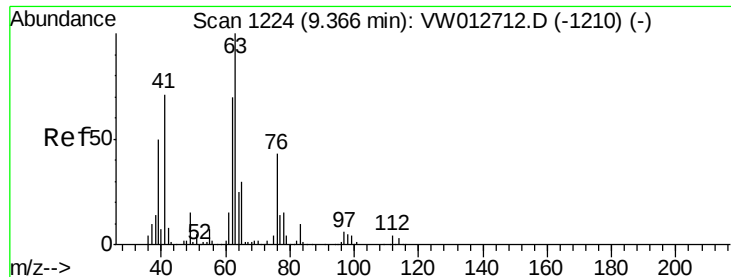
Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Tgt Ion:	130	Resp:	112766
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	210.6





#45

1,2-Dichloropropane

Concen: 51.579 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW090719

Tot Ion: 63 Resp: 122879

Ion Ratio Lower Upper

63 100

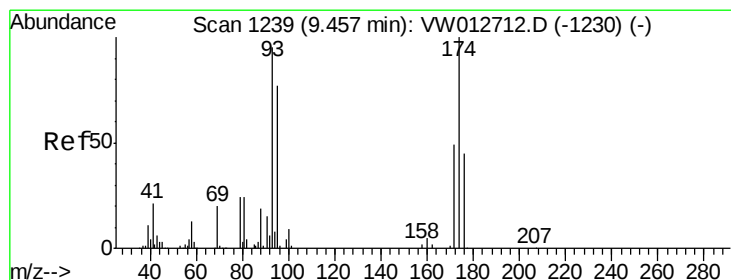
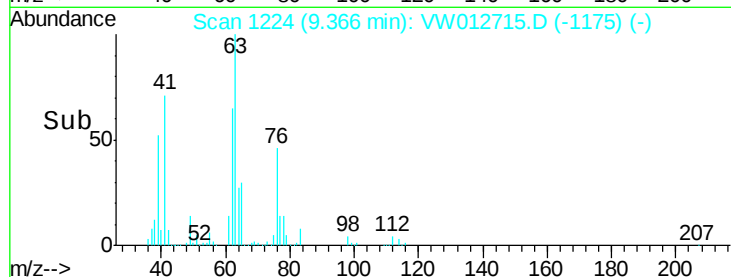
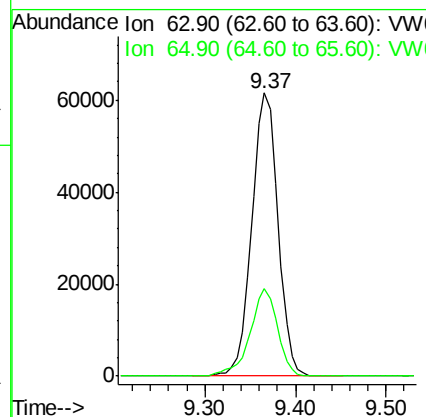
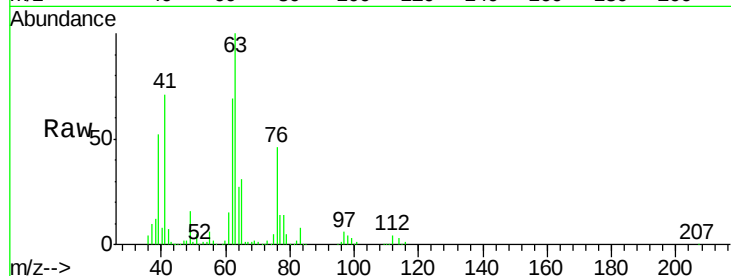
65 31.0 23.8 35.8

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#46

Dibromomethane

Concen: 52.745 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

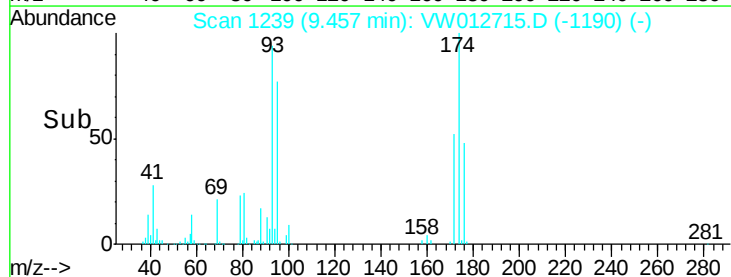
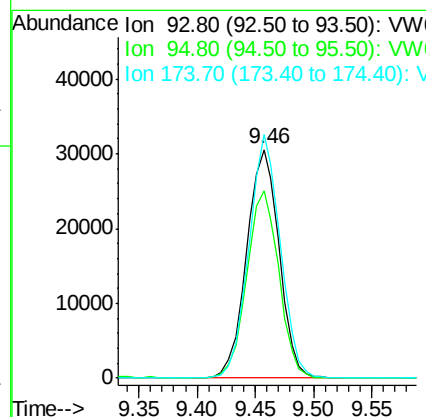
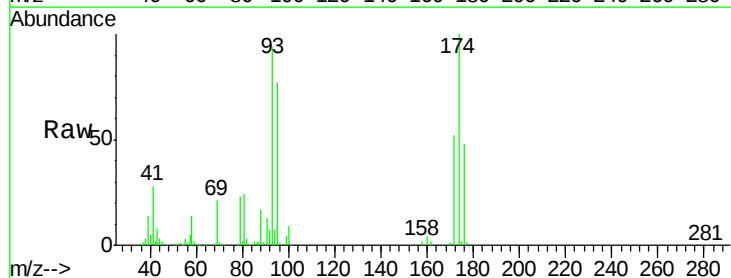
Tgt Ion: 93 Resp: 59503

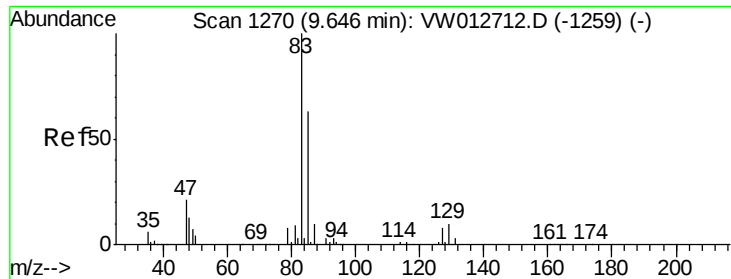
Ion Ratio Lower Upper

93 100

95 81.1 65.2 97.8

174 103.1 84.2 126.4





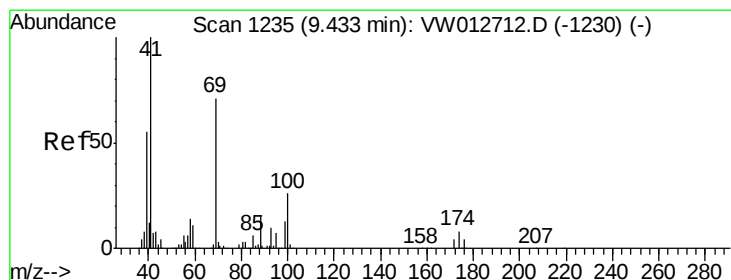
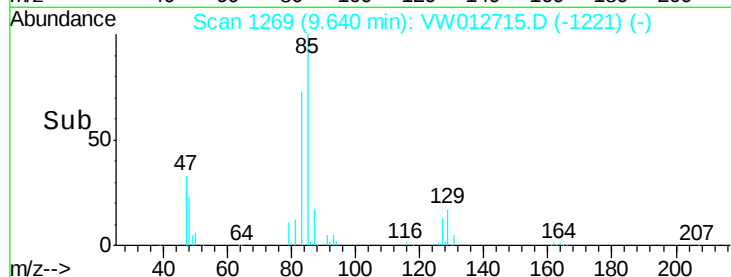
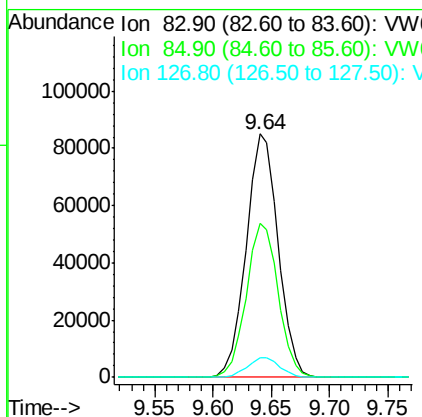
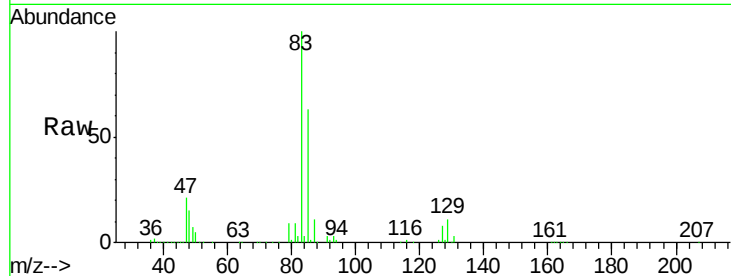
#47
Bromodichloromethane
Concen: 52.323 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion	Ratio	Resp	Lower	Upper
83	100	162395		
85	63.4	50.2	75.2	
127	8.0	6.6	9.8	

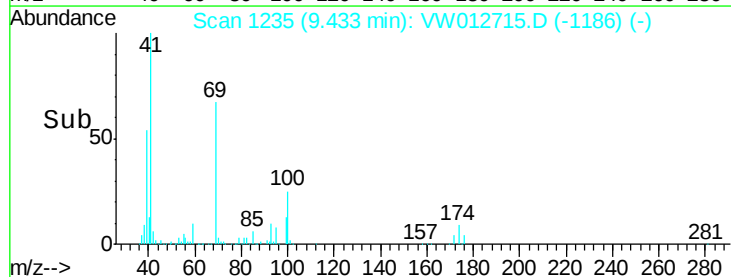
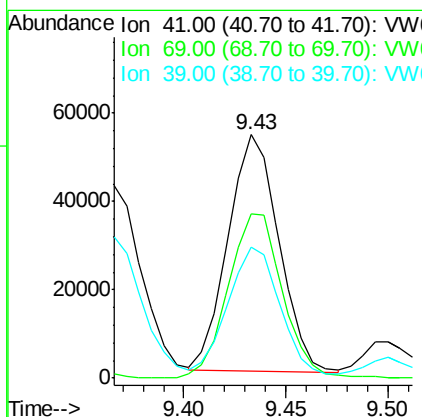
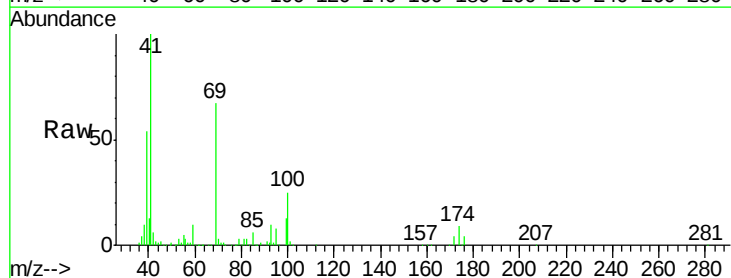
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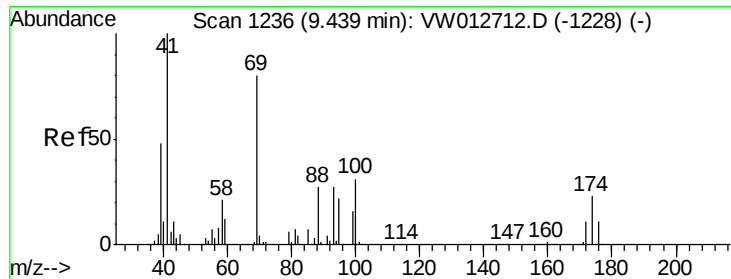
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#48
Methyl methacrylate
Concen: 51.839 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	92627		
69	73.8	59.8	89.8	
39	58.0	47.0	70.6	





#49

1,4-Dioxane

Concen: 1025.460 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.03 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

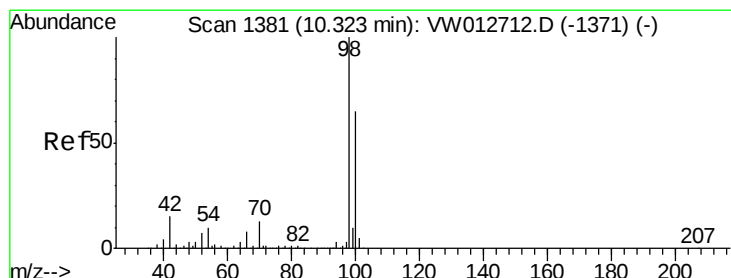
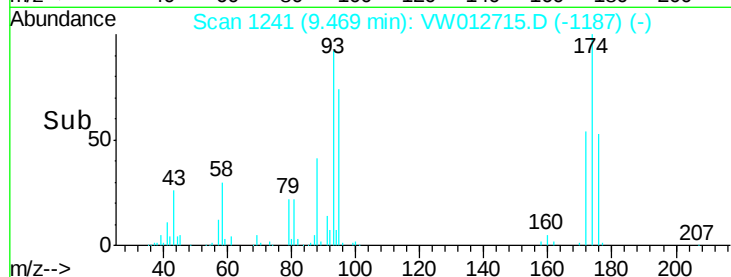
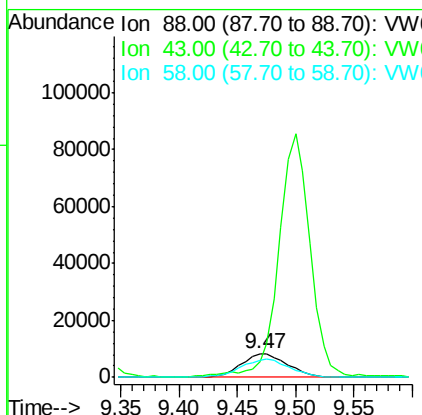
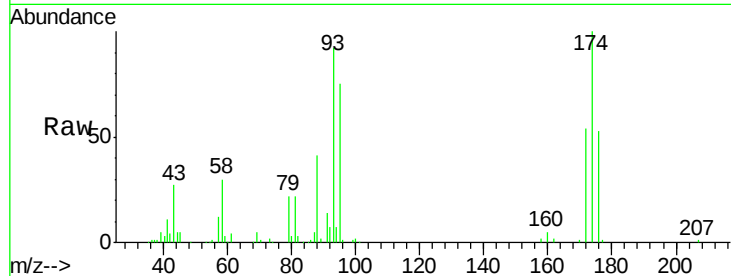
ClientSampleId :

ICVW090719

Tot Ion	88	Resp	22851
Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.8	52.2#
58	82.7	64.1	96.1

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#50

Toluene-d8

Concen: 51.969 ug/l

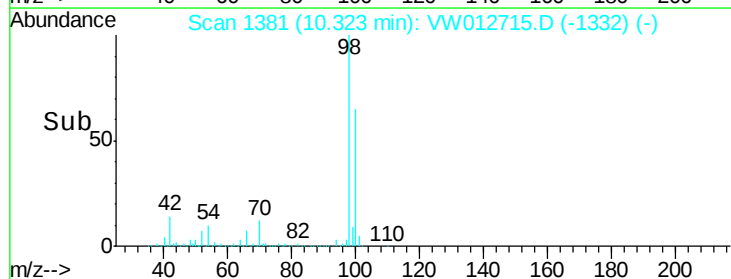
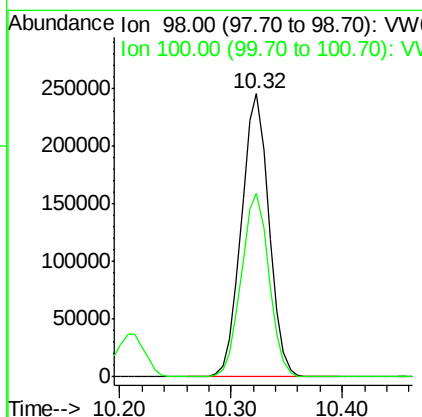
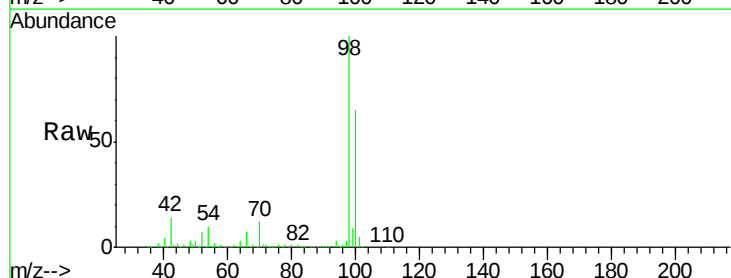
RT: 10.32 min Scan# 1381

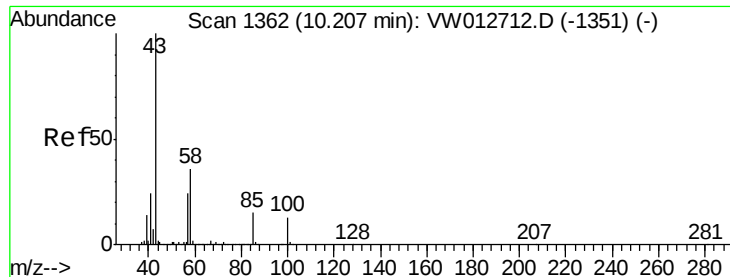
Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Tgt Ion	98	Resp	421762
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.4





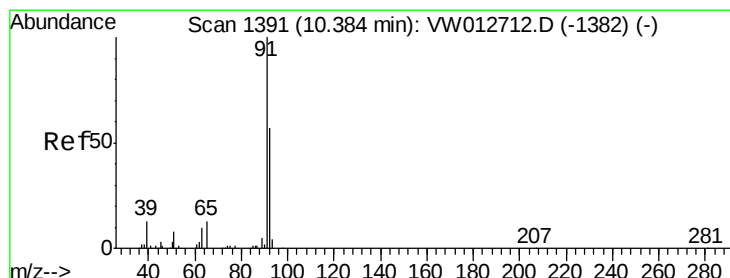
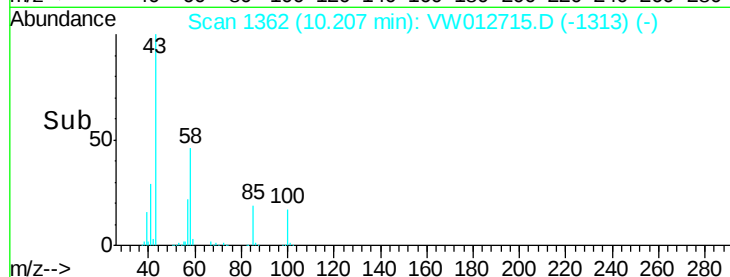
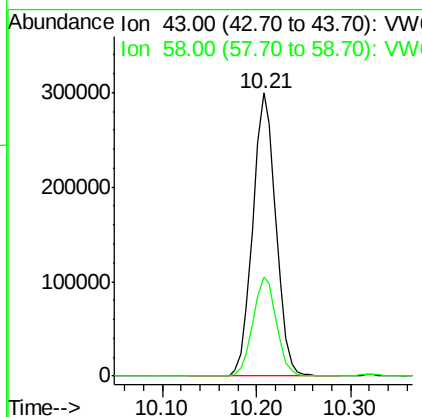
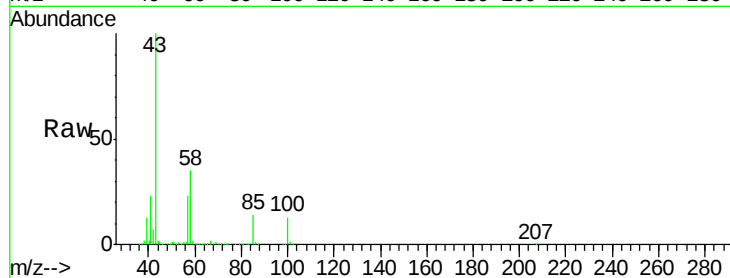
#51
4-Methyl-2-Pentanone
Concen: 264.598 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.4	42.6

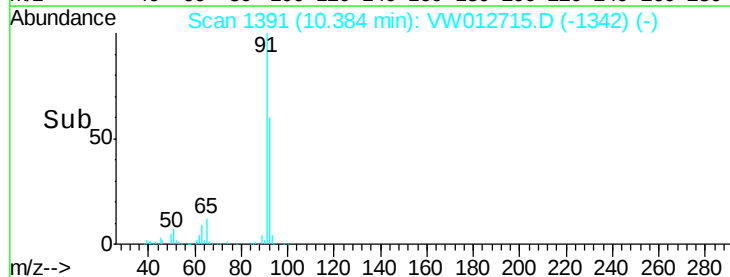
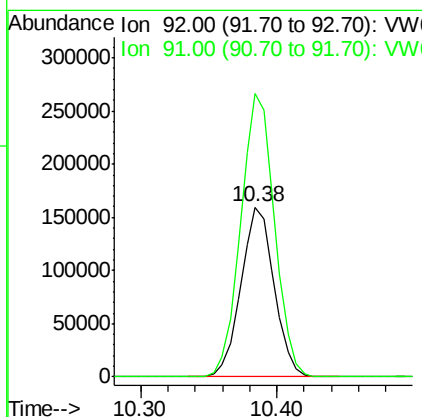
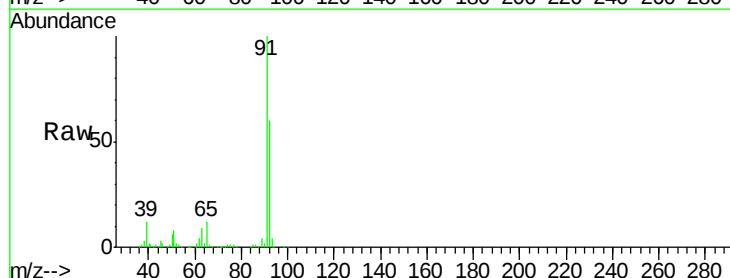
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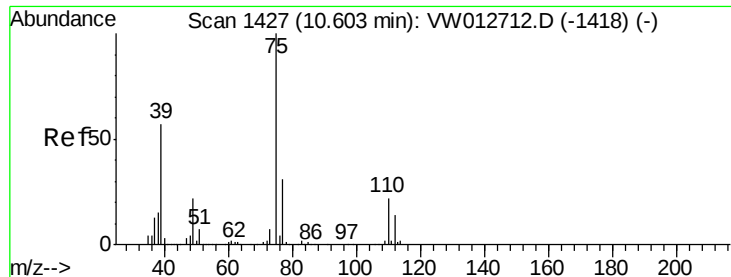
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#52
Toluene
Concen: 50.715 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.3	137.0	205.4





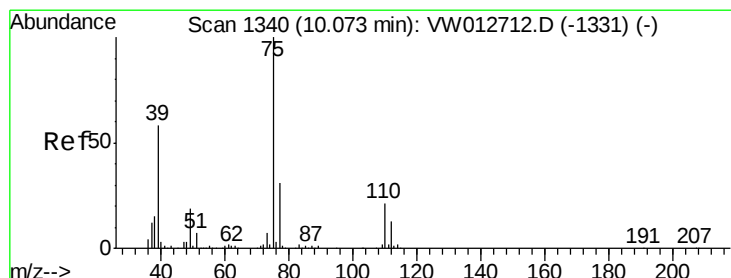
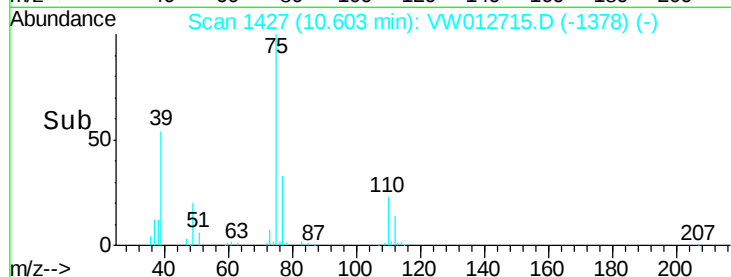
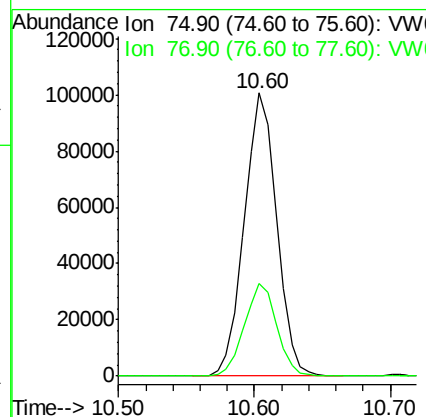
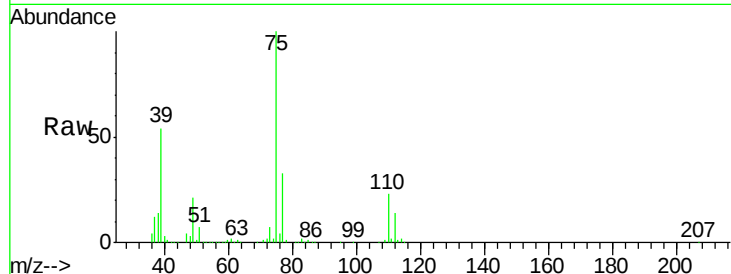
#53
t-1,3-Dichloropropene
Concen: 52.609 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampled :
ICVW090719

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	24.7	37.1

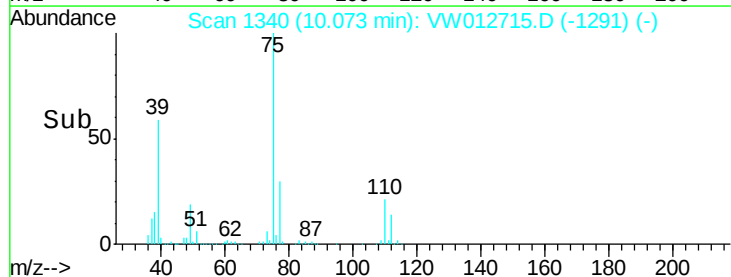
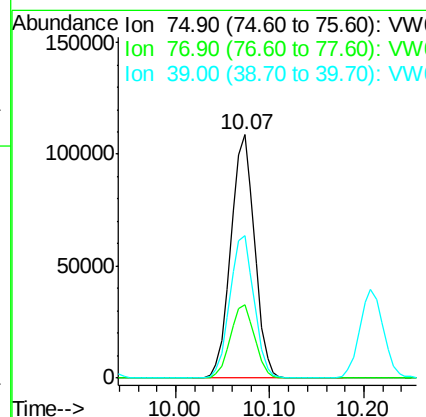
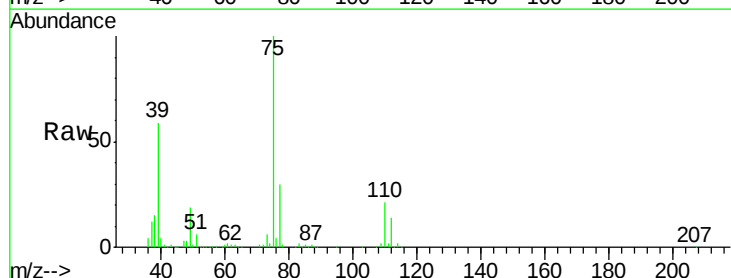
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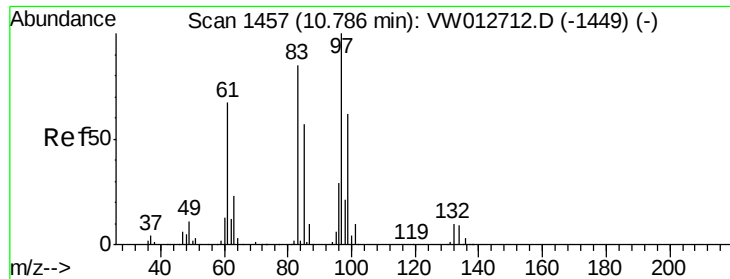
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#54
cis-1,3-Dichloropropene
Concen: 52.620 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.6	36.8
39	58.6	46.3	69.5





#55

1,1,2-Trichloroethane

Concen: 52.086 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

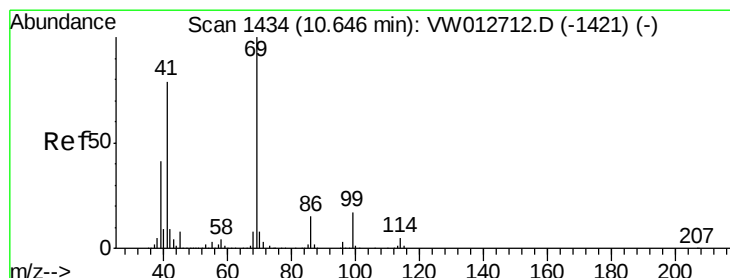
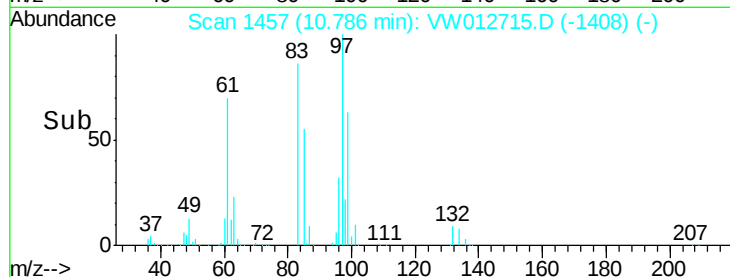
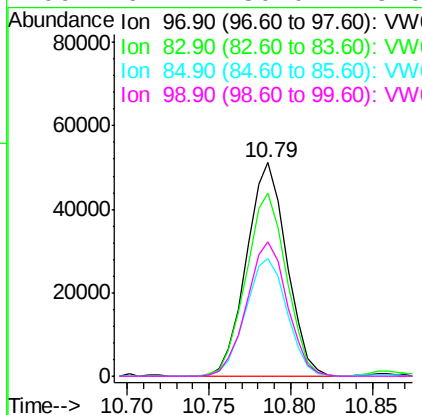
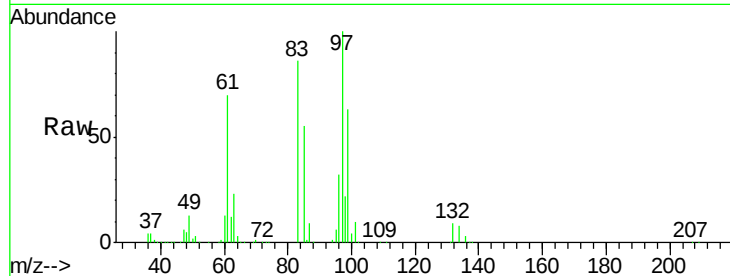
ClientSampleId :

ICVW090719

Tot Ion:	97	Resp:	87969
Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.1	102.1
85	55.2	45.3	67.9
99	62.7	50.0	75.0

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#56

Ethyl methacrylate

Concen: 53.377 ug/l

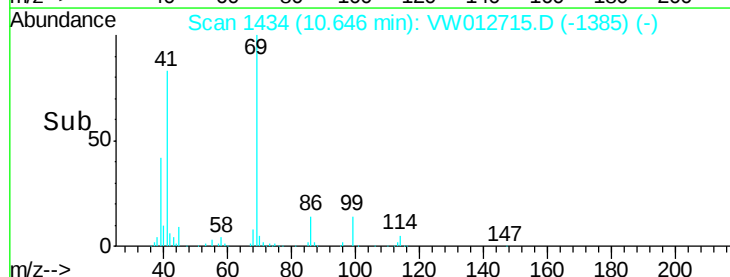
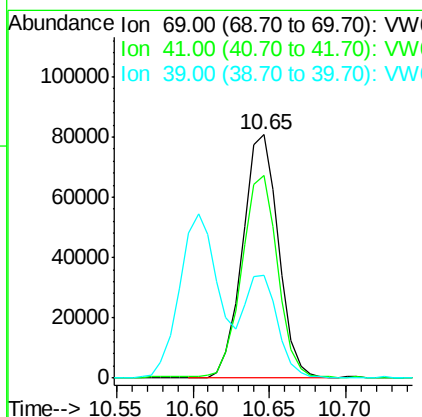
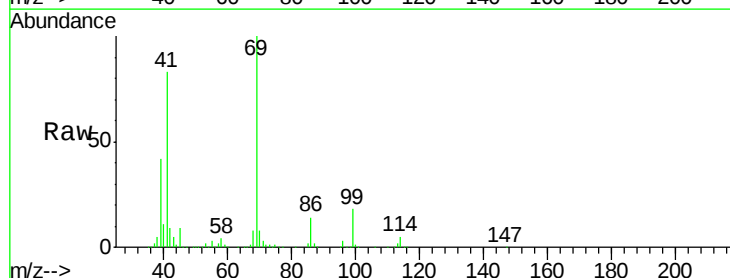
RT: 10.65 min Scan# 1434

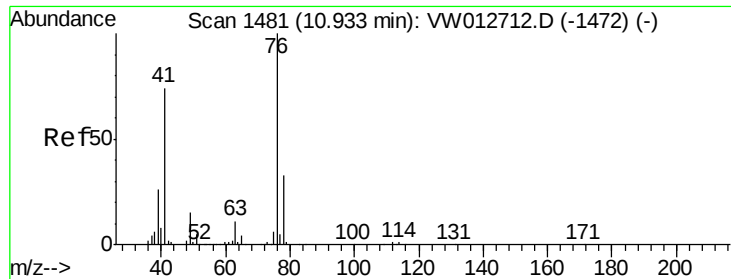
Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Tgt Ion:	69	Resp:	131962
Ion	Ratio	Lower	Upper
69	100		
41	82.3	64.4	96.6
39	37.9	31.1	46.7





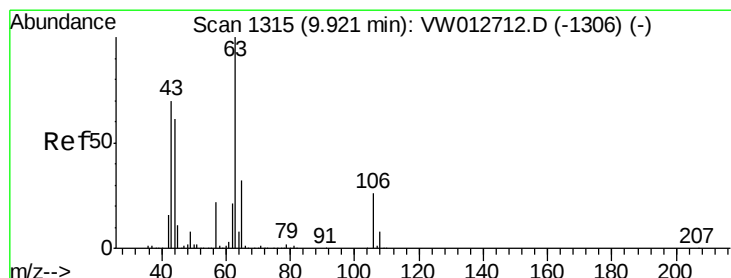
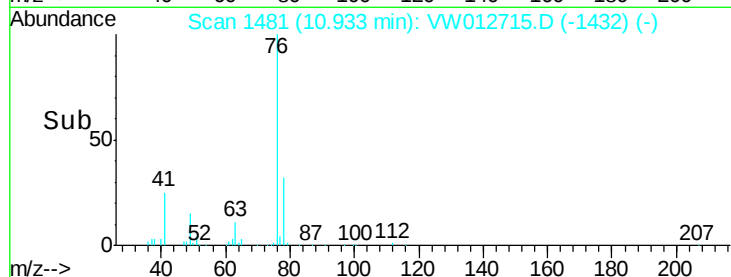
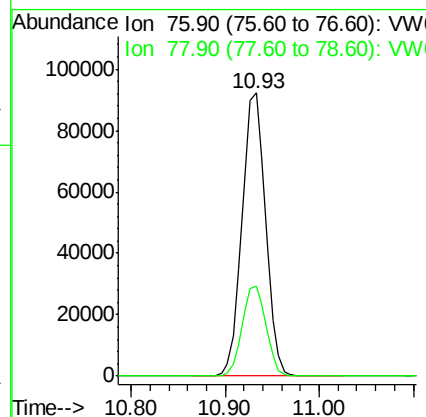
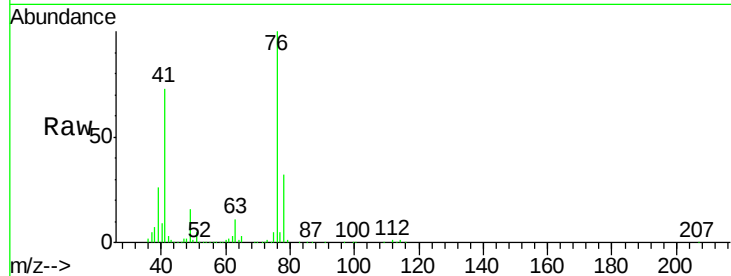
#57
 1,3-Dichloropropane
 Concen: 51.507 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012715.D
 Acq: 07 Sep 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW090719

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9

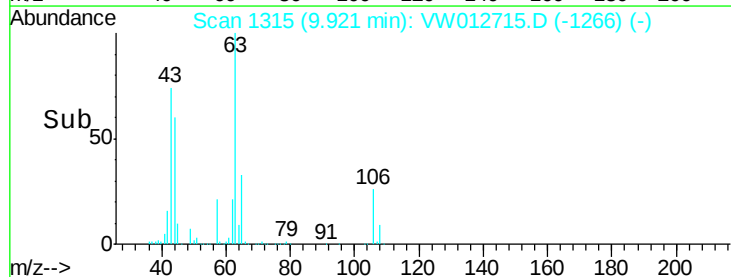
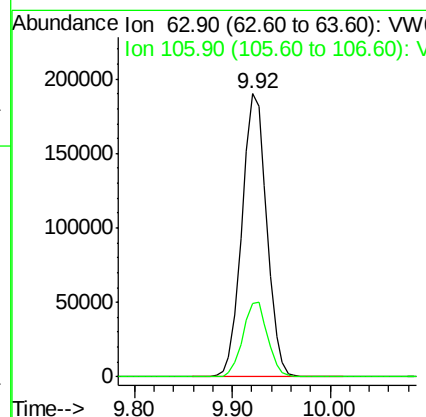
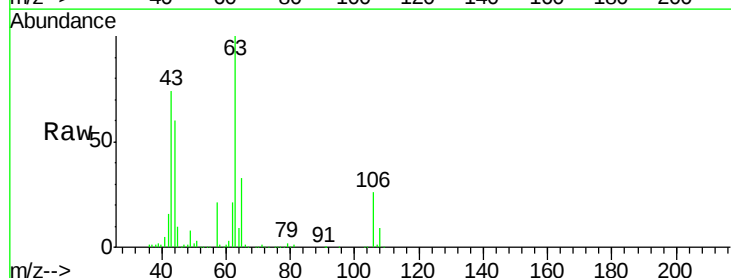
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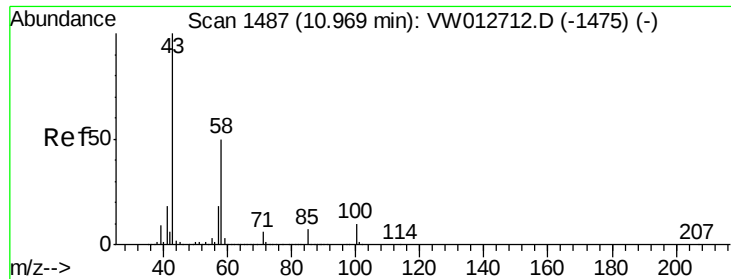
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#58
 2-Chloroethyl Vinyl ether
 Concen: 254.639 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012715.D
 Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	20.5	30.7





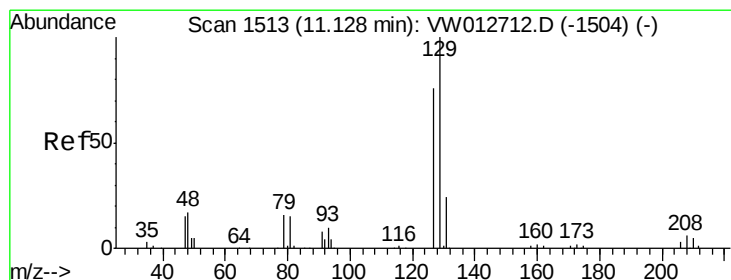
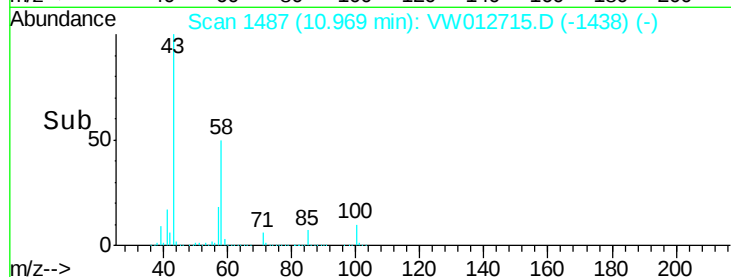
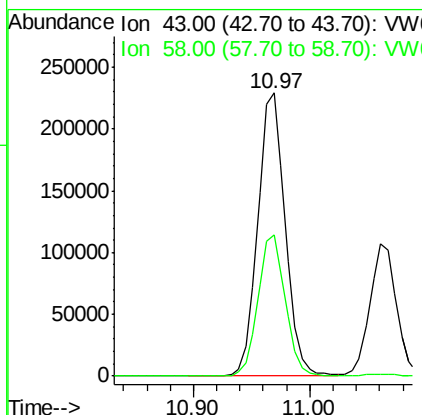
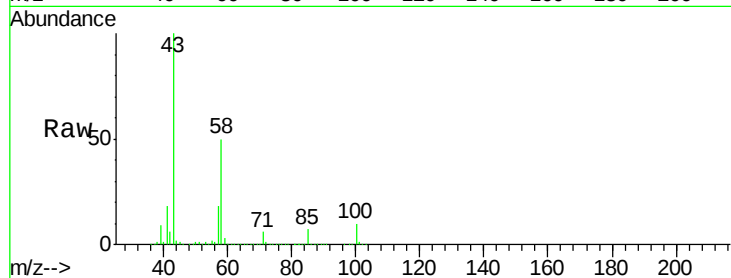
#59
2-Hexanone
Concen: 263.561 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion: 43 Resp: 377778
Ion Ratio Lower Upper
43 100
58 49.4 24.7 74.1

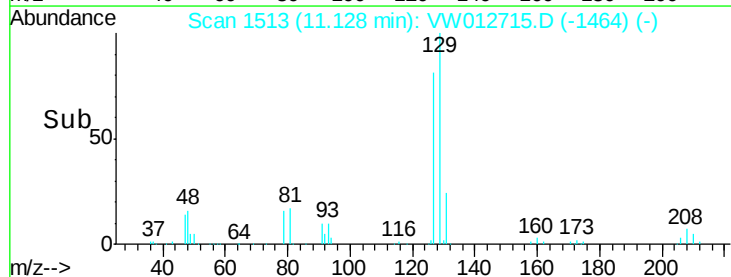
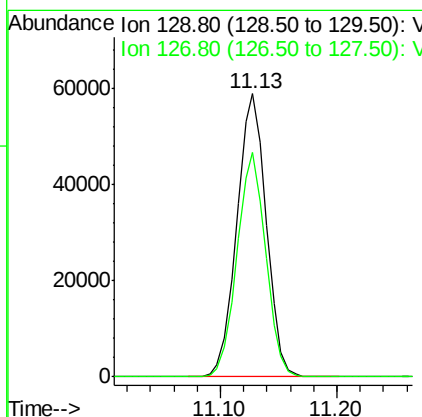
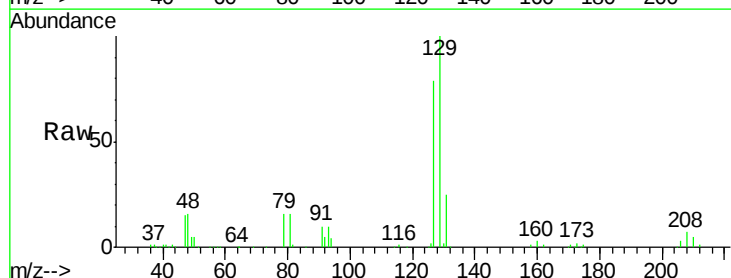
Manual Integrations
APPROVED

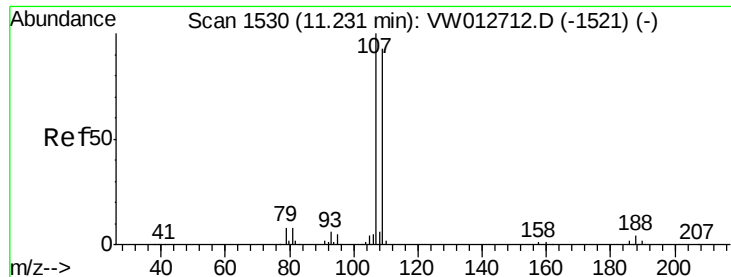
MMDadoda
9/10/2019 1:02:45 PM



#60
Dibromochloromethane
Concen: 52.131 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion: 129 Resp: 103548
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 51.745 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW090719

Tot Ion: 107 Resp: 80123

Ion Ratio Lower Upper

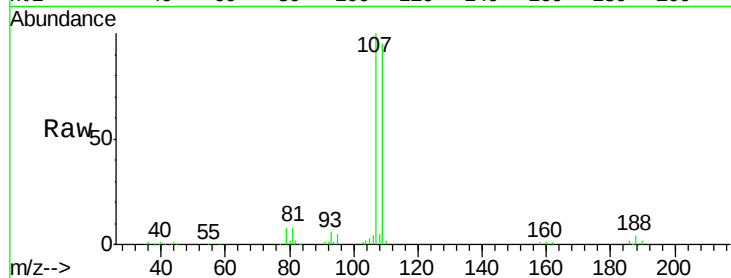
107 100

109 93.2 75.0 112.6

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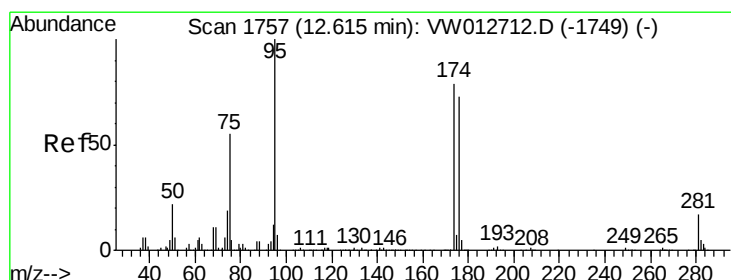
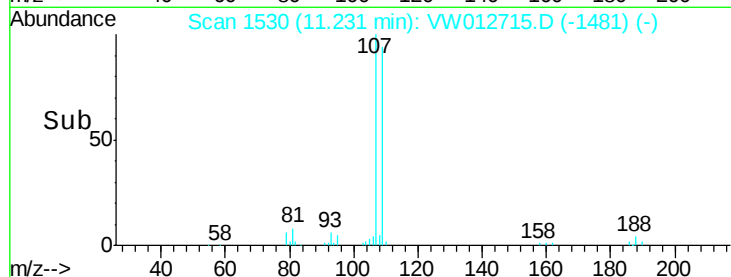
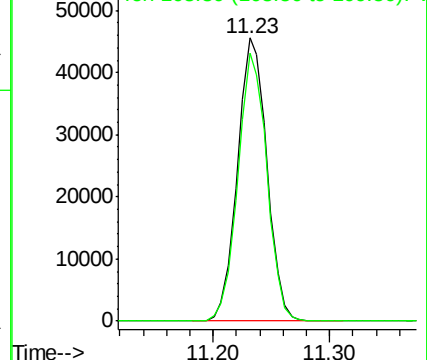
MMDadoda

9/10/2019 1:02:45 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.125 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

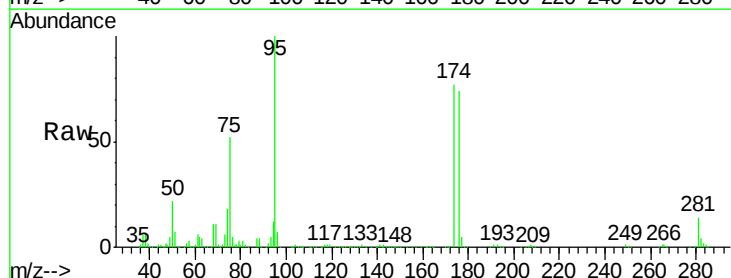
Tgt Ion: 95 Resp: 144733

Ion Ratio Lower Upper

95 100

174 79.2 0.0 161.0

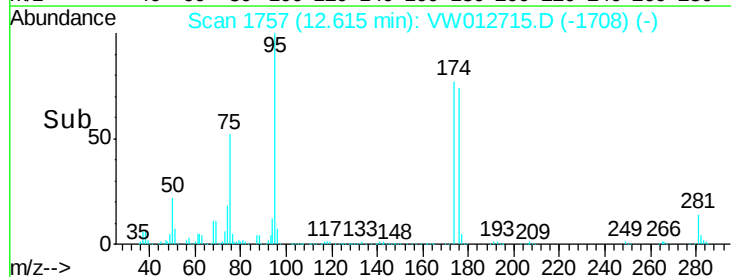
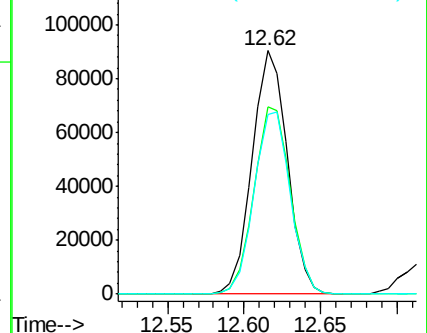
176 77.3 0.0 156.4

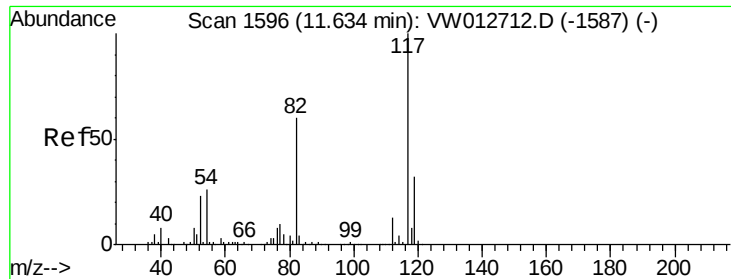


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





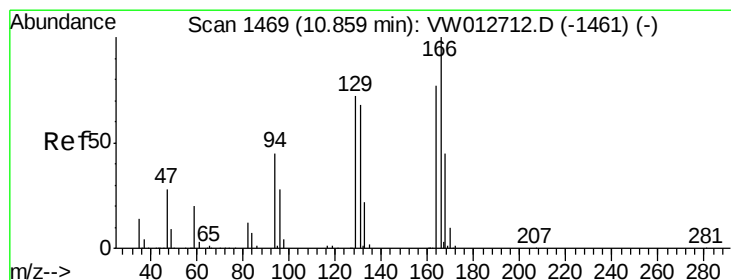
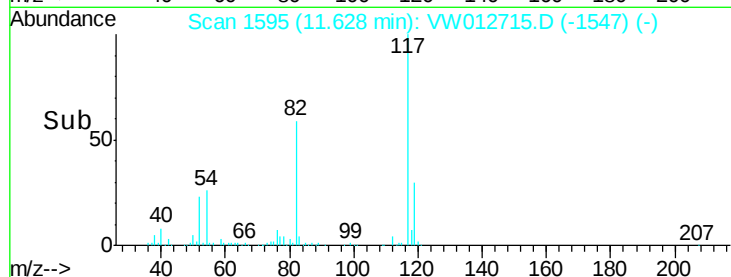
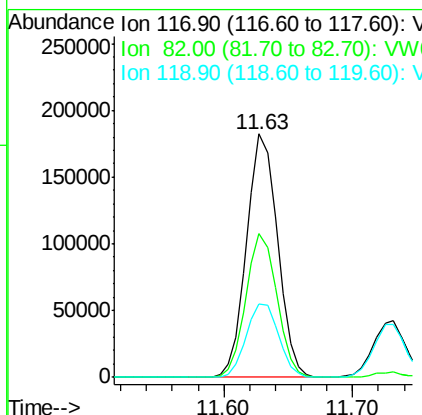
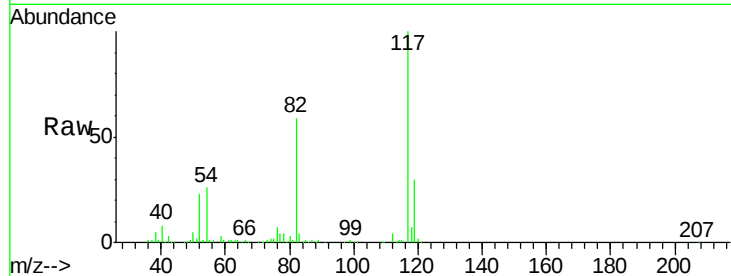
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion	Ratio	Resp	Lower	Upper
117	100	302866		
82	59.0		48.2	72.4
119	30.4		25.8	38.6

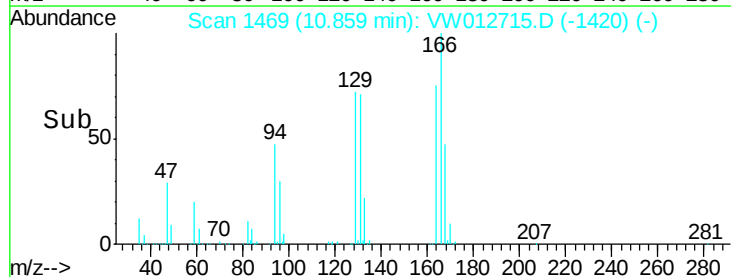
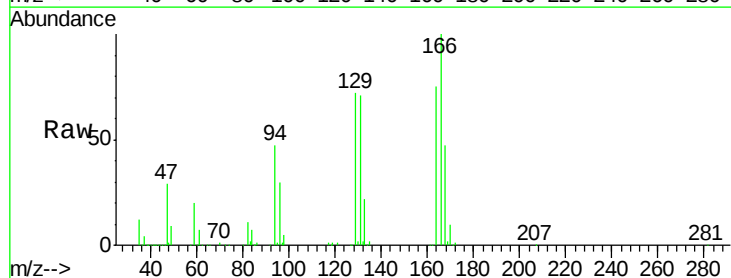
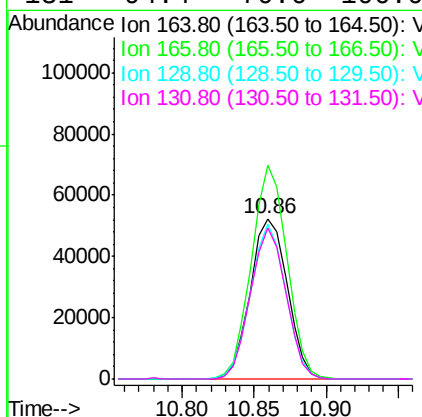
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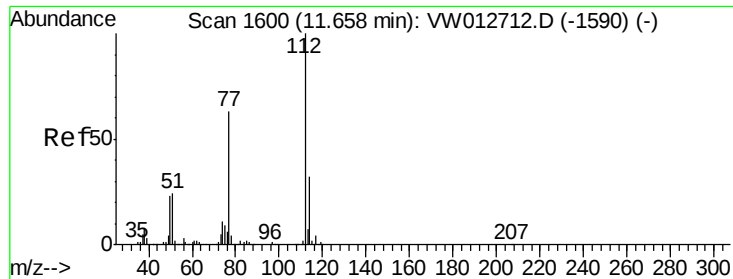
MMDadoda
9/10/2019 1:02:45 PM



#64
Tetrachloroethene
Concen: 50.595 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	92980		
166	133.1		103.6	155.4
129	96.4		74.6	112.0
131	94.4		70.6	106.0





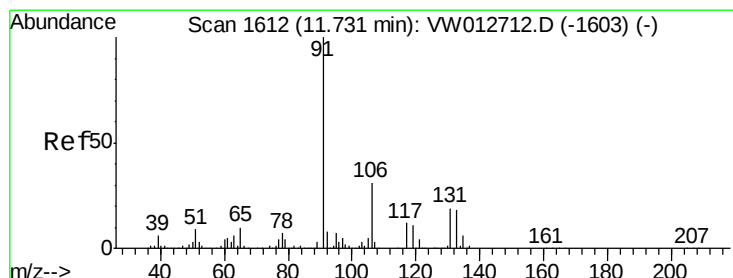
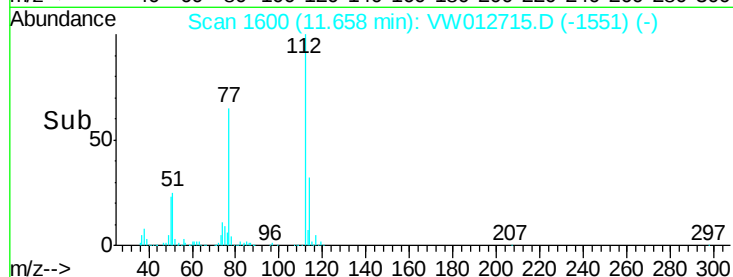
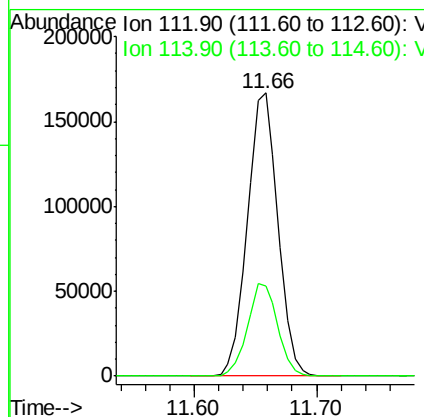
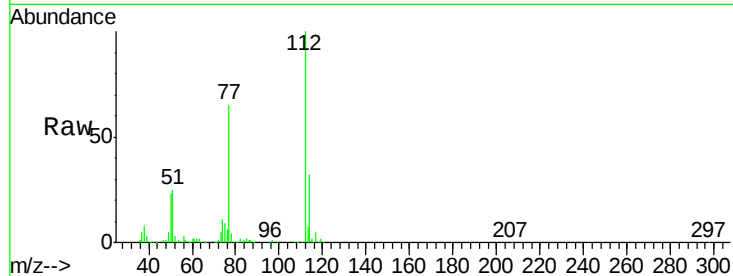
#65
Chlorobenzene
Concen: 50.525 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.3	37.9

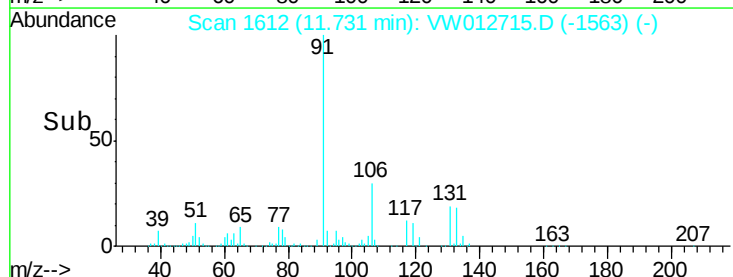
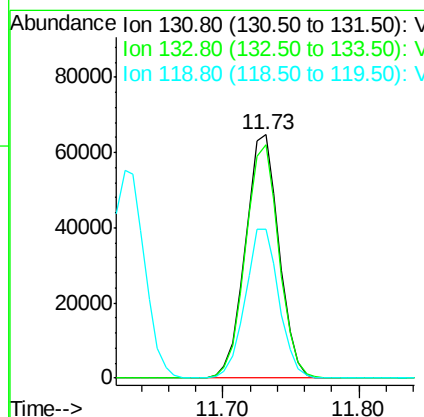
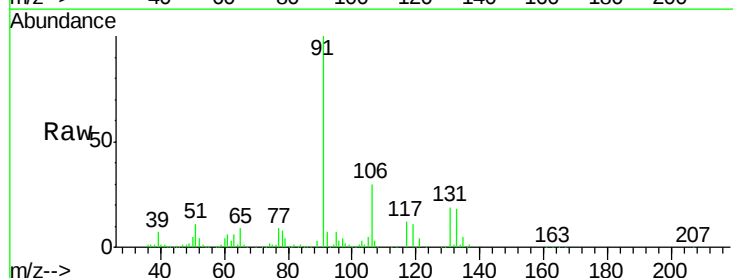
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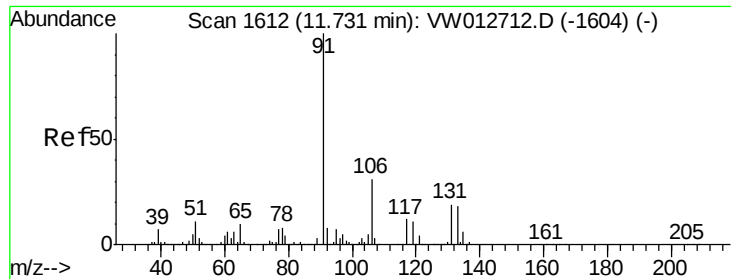
MMDadoda
9/10/2019 1:02:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.340 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.6	142.8
119	61.5	30.6	92.0





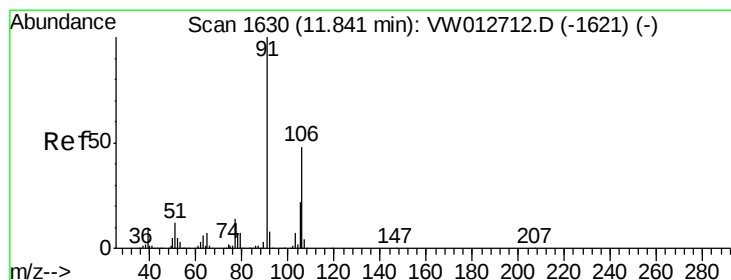
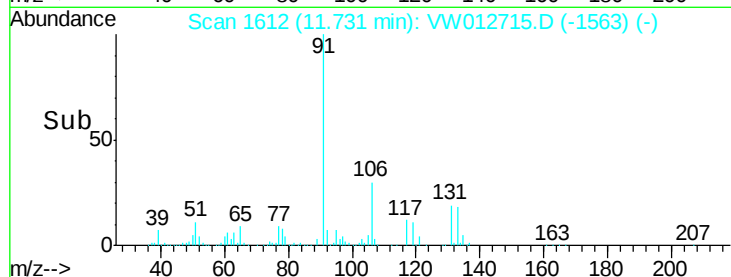
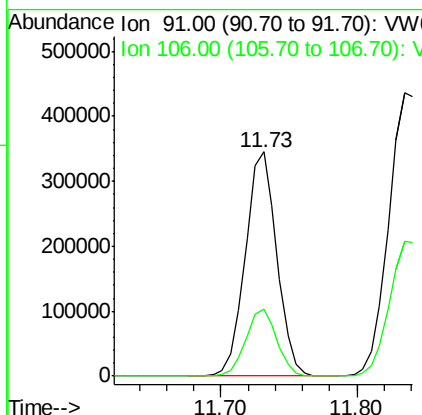
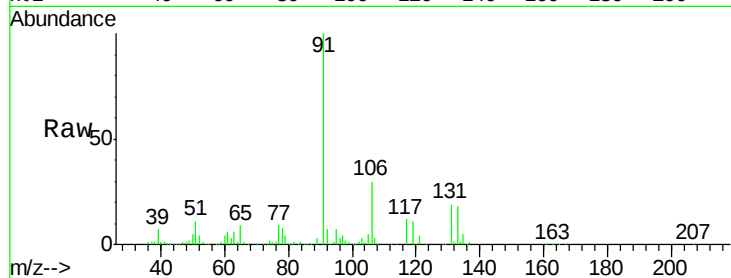
#67
Ethyl Benzene
Concen: 51.989 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion: 91 Resp: 558369
Ion Ratio Lower Upper
91 100
106 29.7 24.4 36.6

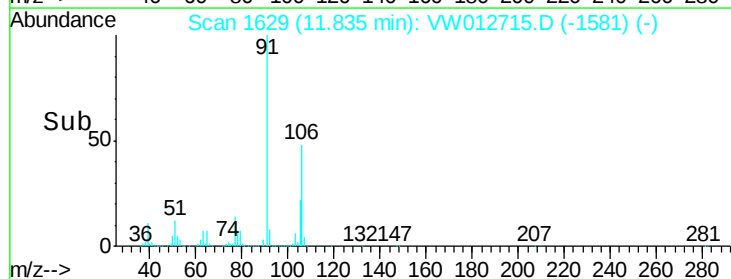
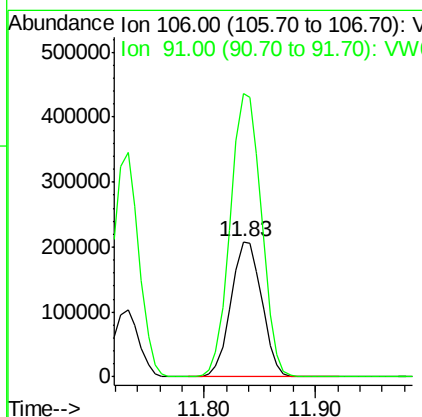
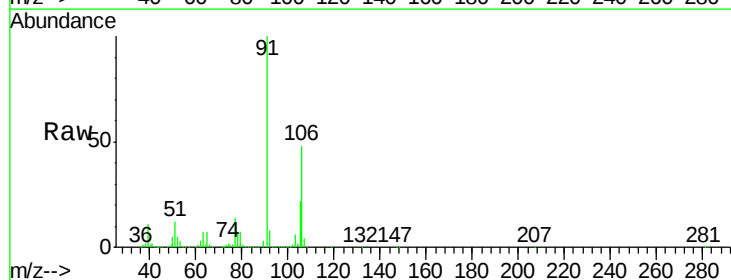
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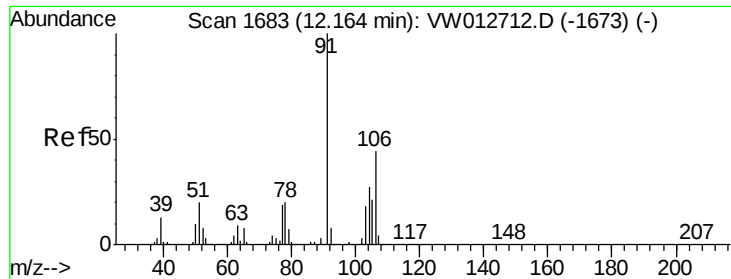
MMDadoda
9/10/2019 1:02:45 PM



#68
m/p-Xylenes
Concen: 102.734 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion: 106 Resp: 398268
Ion Ratio Lower Upper
106 100
91 211.6 168.2 252.4





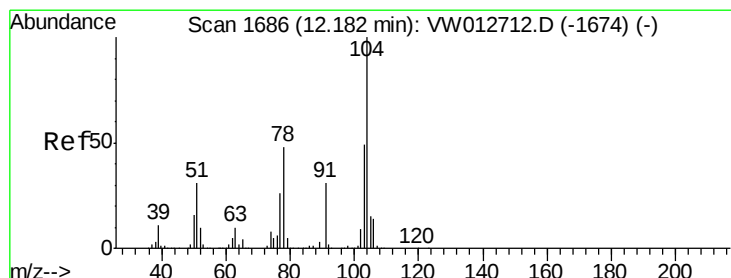
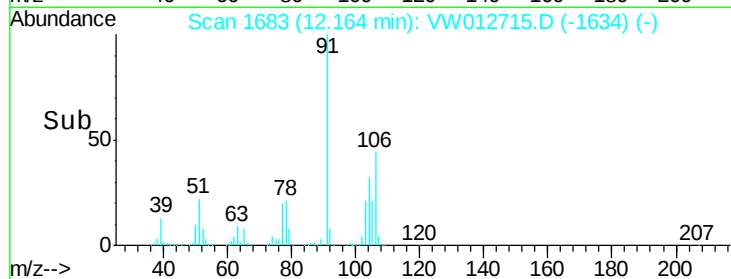
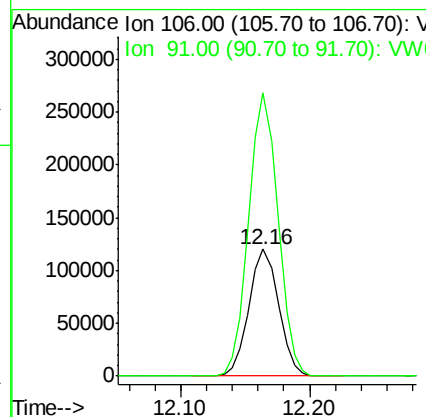
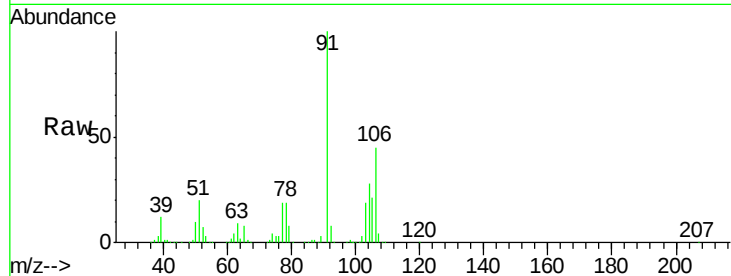
#69
o-Xylene
Concen: 52.364 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion	Ratio	Resp	Lower	Upper
106	100	191515		
91	220.3	112.3	336.8	

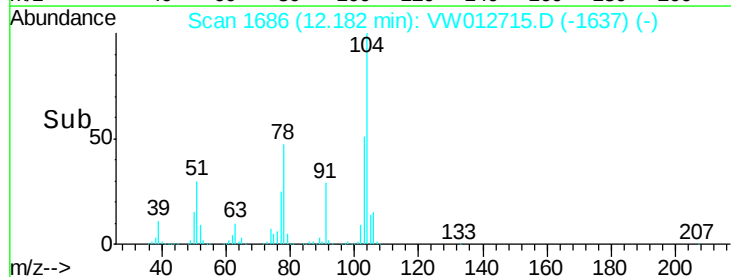
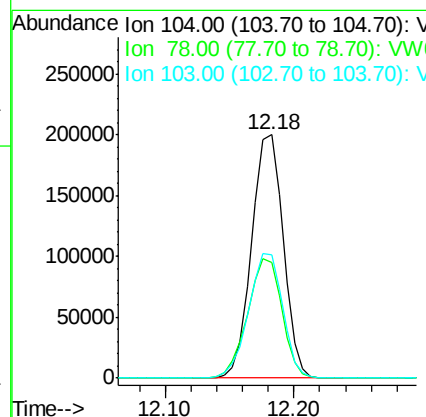
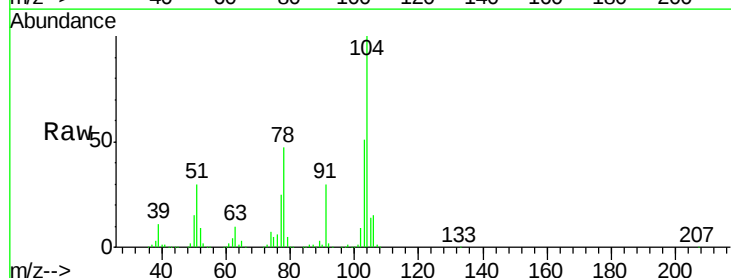
Manual Integrations
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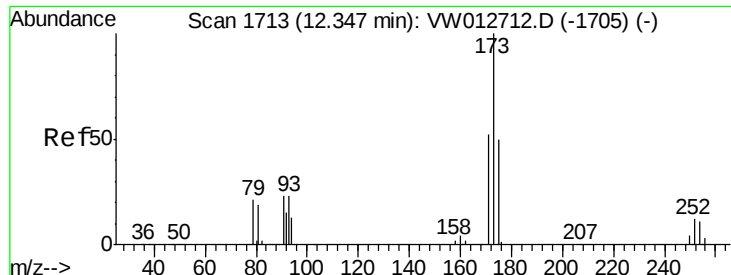
MMDadoda
9/10/2019 1:02:45 PM



#70
Styrene
Concen: 52.479 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	339162		
78	53.3	43.3	64.9	
103	55.1	44.0	66.0	





#71

Bromoform

Concen: 53.634 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW090719

Tot Ion:173 Resp: 63522

Ion Ratio Lower Upper

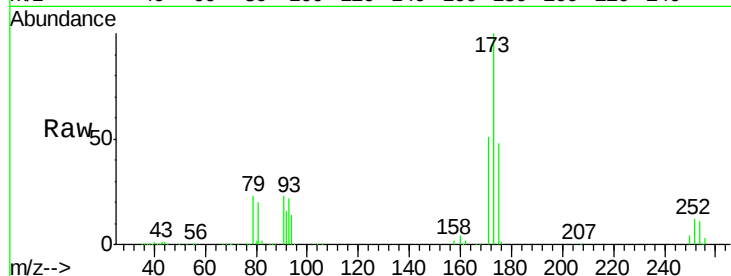
173 100

175 47.3 24.8 74.3

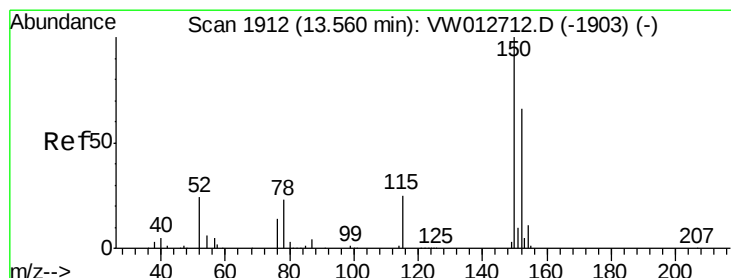
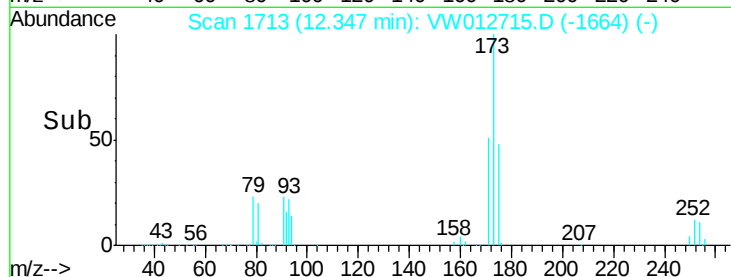
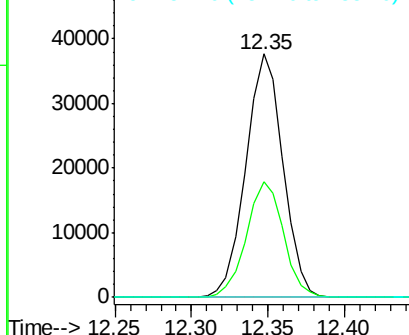
254 0.1 0.1 0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

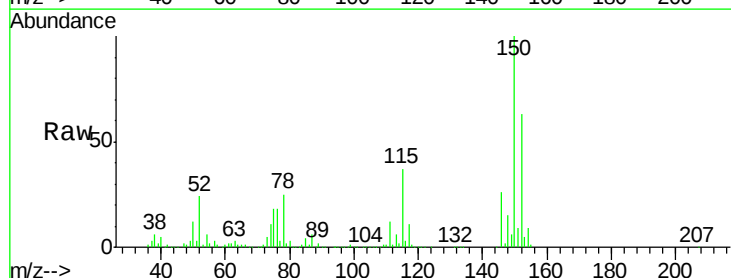
Tgt Ion:152 Resp: 151078

Ion Ratio Lower Upper

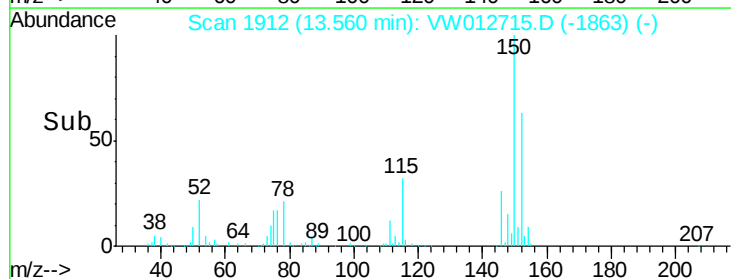
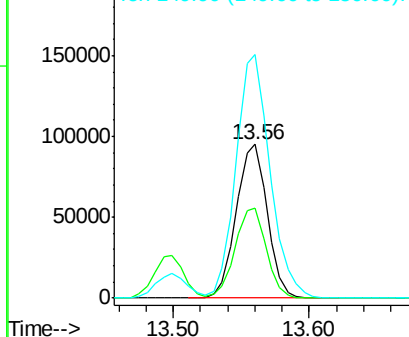
152 100

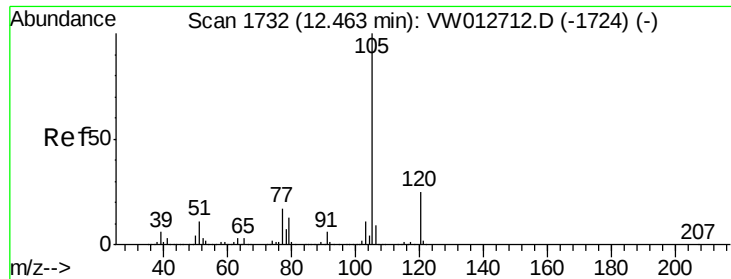
115 58.8 30.0 90.1

150 174.4 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.841 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW090719

Tot Ion: 105 Resp: 550904

Ion Ratio Lower Upper

105 100

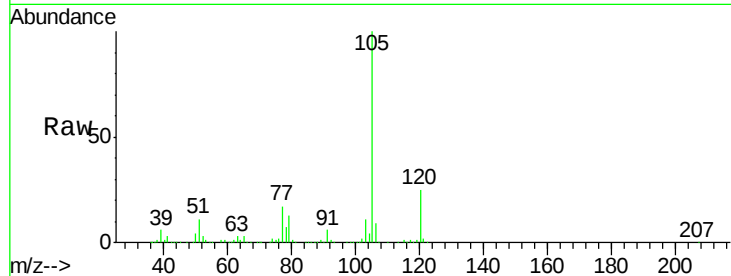
120 25.4 13.0 38.9

Manual Integrations

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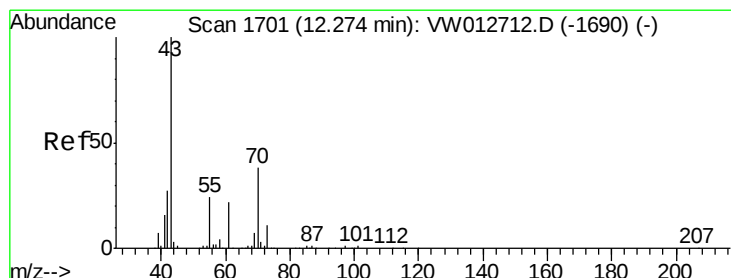
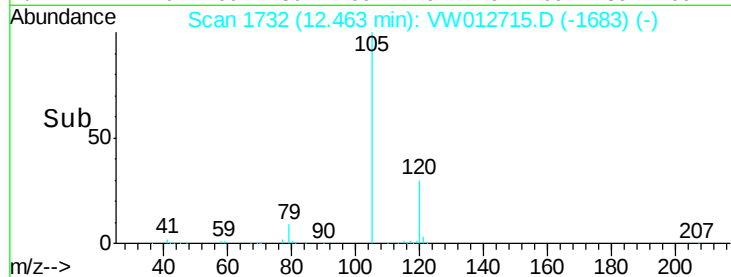
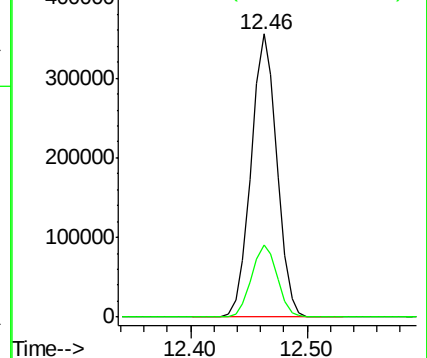
MMDadoda

9/10/2019 1:02:45 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.367 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Tgt Ion: 43 Resp: 180112

Ion Ratio Lower Upper

43 100

70 36.3 29.4 44.0

55 22.7 18.6 27.8

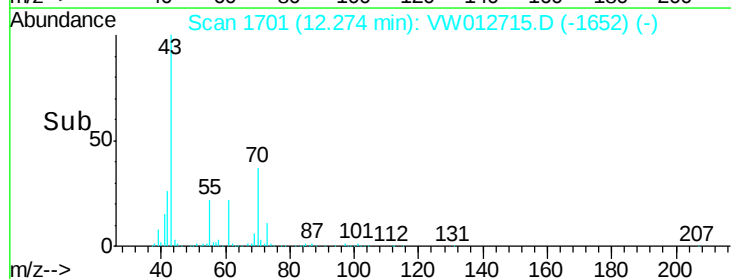
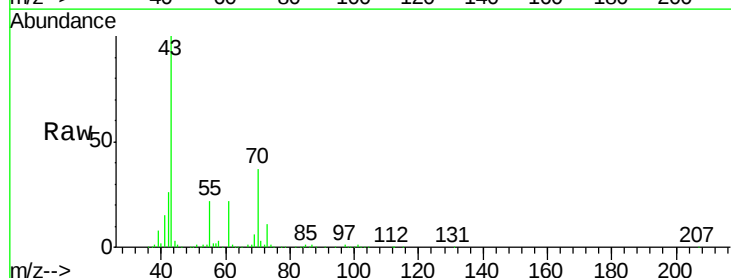
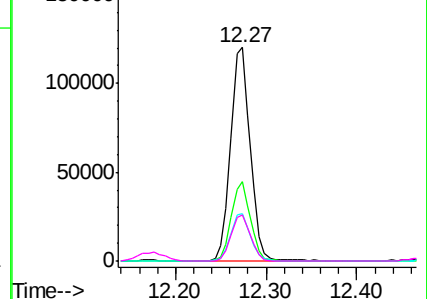
61 21.7 17.8 26.6

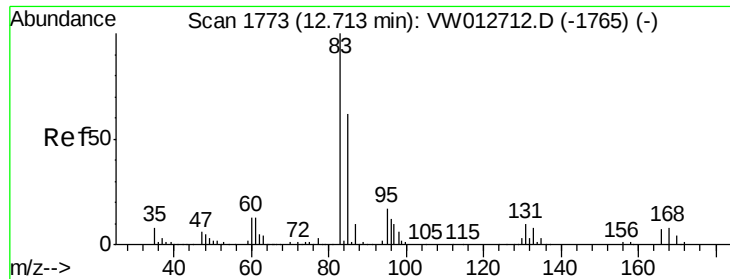
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 49.406 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

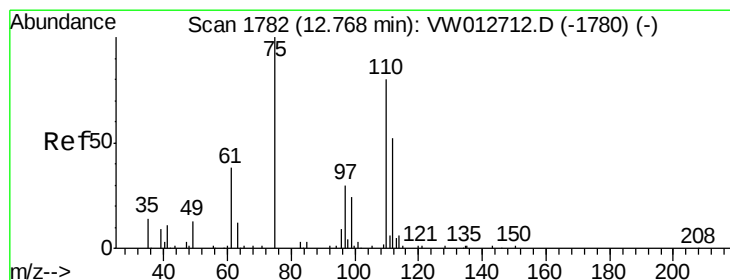
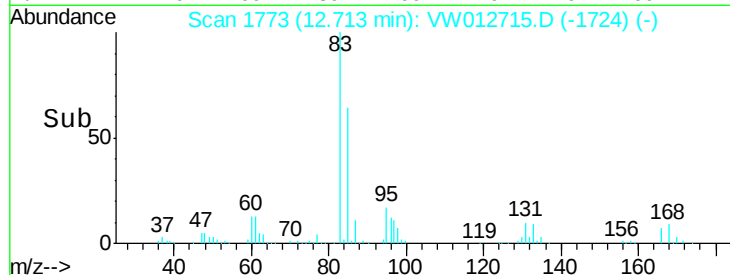
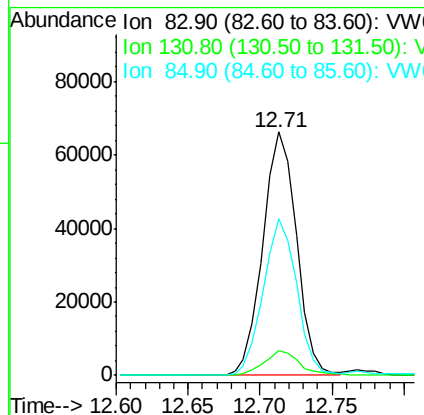
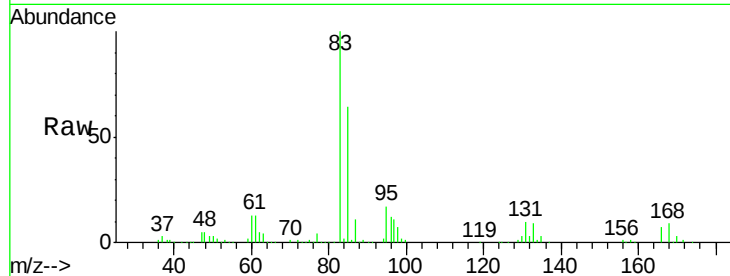
ClientSampleId :

ICVW090719

Tot Ion:	83	Resp:	107514
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.1	15.4
85	63.8	31.4	94.2

Manual Integrations
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9/10/2019 1:02:45 PM



#76

1,2,3-Trichloropropane

Concen: 49.332 ug/l m

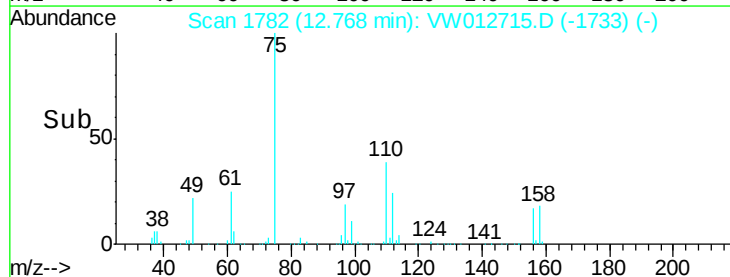
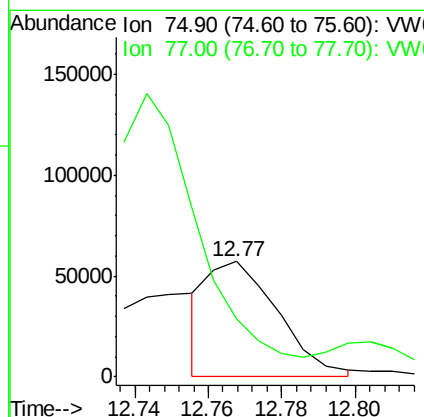
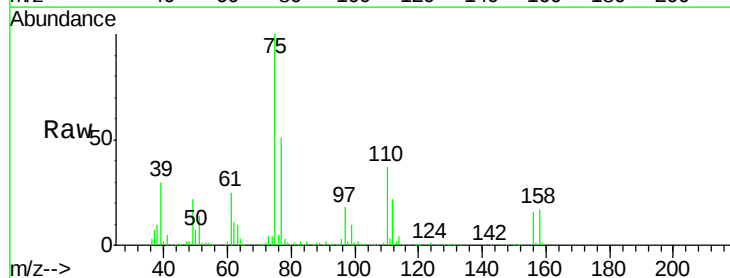
RT: 12.77 min Scan# 1782

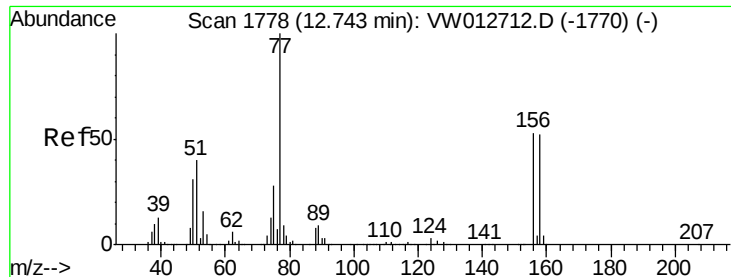
Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Tgt Ion:	75	Resp:	76210
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.234 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

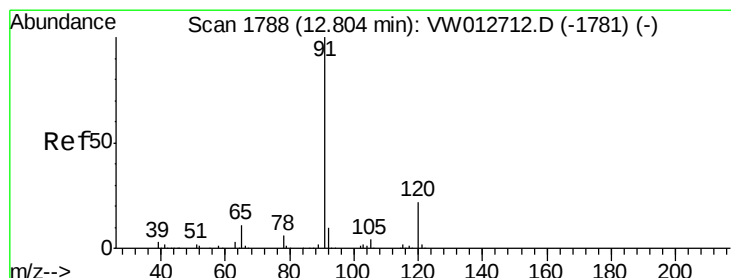
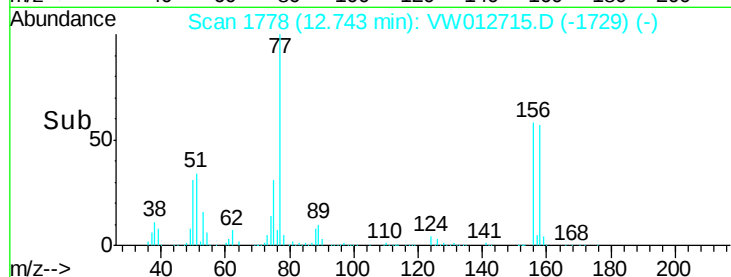
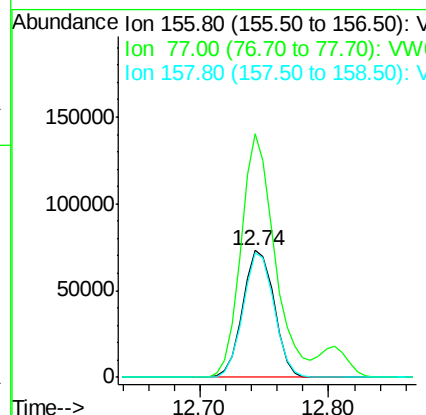
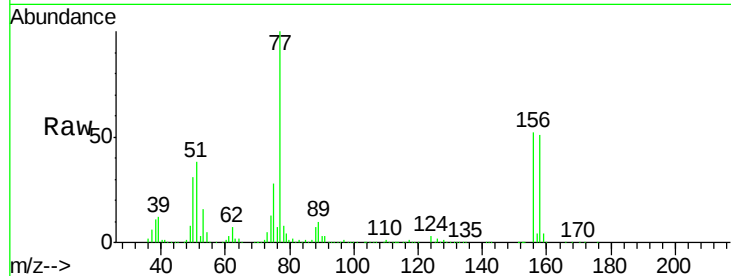
ClientSampleId :

ICVW090719

Tot Ion:	156	Resp:	123322
Ion Ratio	Lower	Upper	
156	100		
77	206.0	102.3	306.9
158	96.7	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 51.218 ug/l

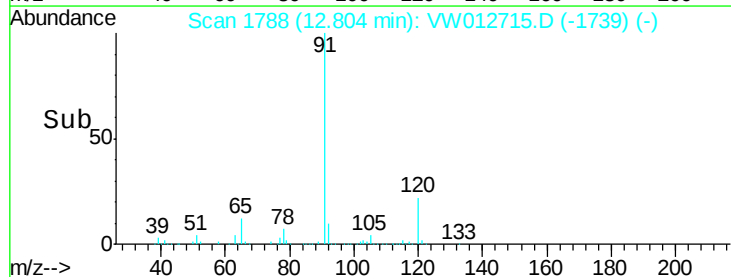
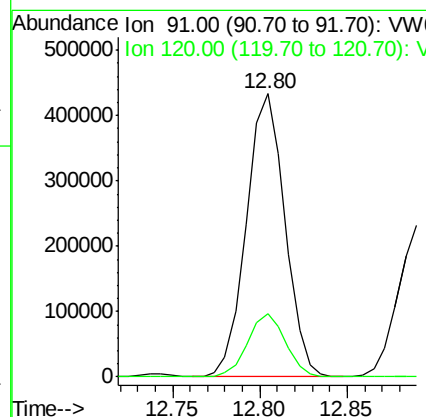
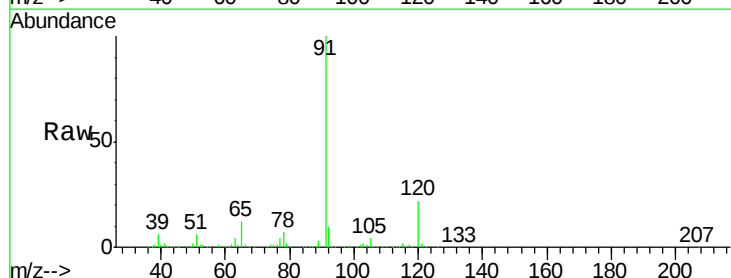
RT: 12.80 min Scan# 1788

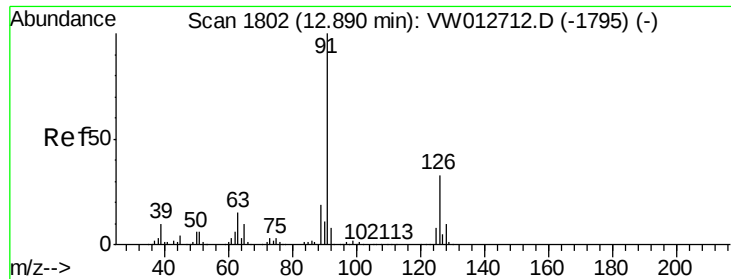
Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Tgt Ion:	91	Resp:	663758
Ion Ratio	Lower	Upper	
91	100		
120	21.9	11.0	33.0





#79

2-Chlorotoluene

Concen: 50.379 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW090719

Tot Ion: 91 Resp: 374808

Ion Ratio Lower Upper

91 100

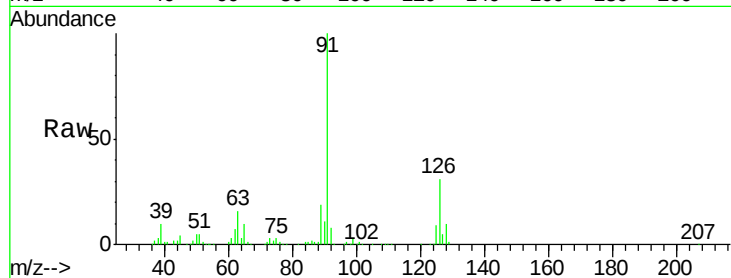
126 31.7 16.1 48.3

Manual Integrations

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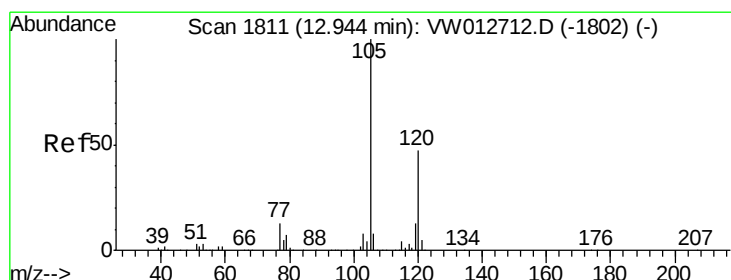
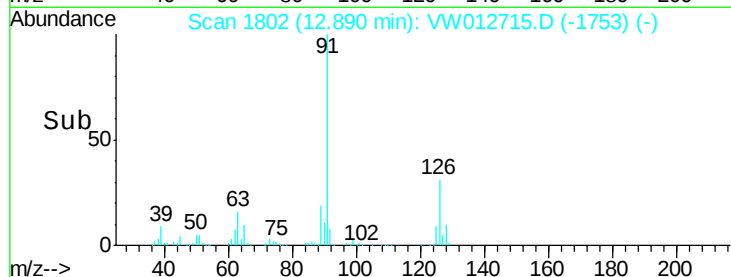
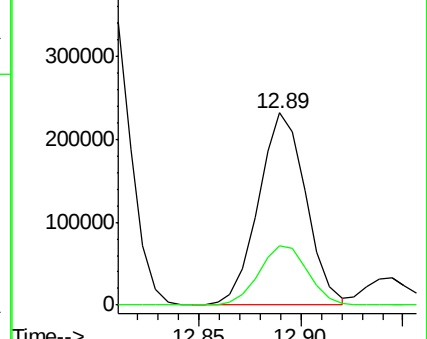
MMDadoda

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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: 49.831 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012715.D

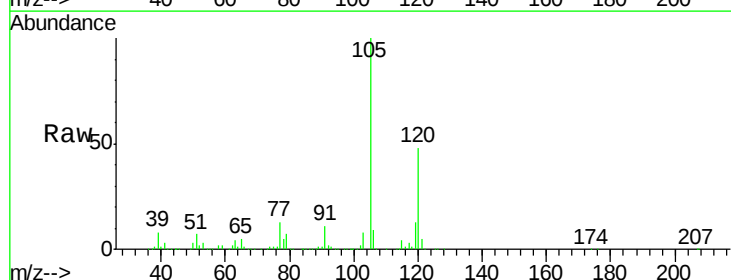
Acq: 07 Sep 2019 12:34

Tgt Ion:105 Resp: 454985

Ion Ratio Lower Upper

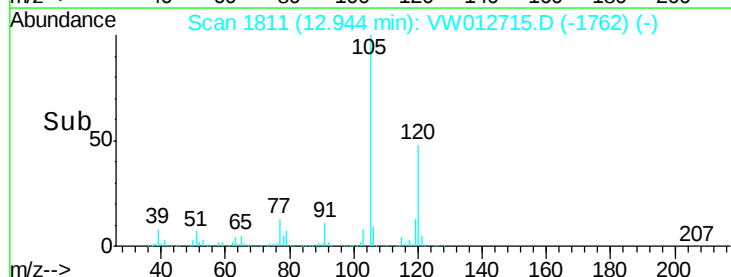
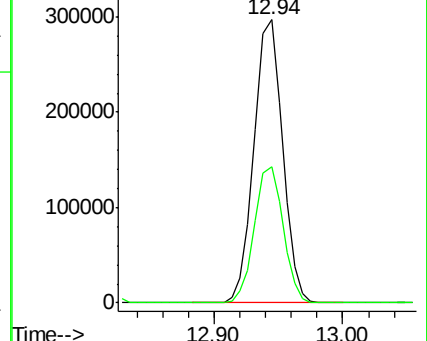
105 100

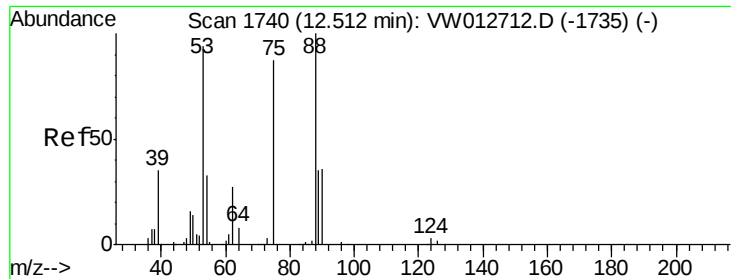
120 48.4 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





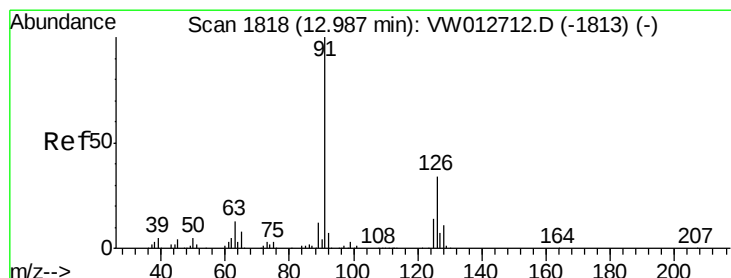
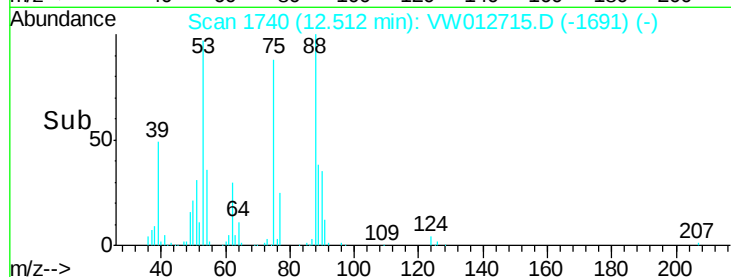
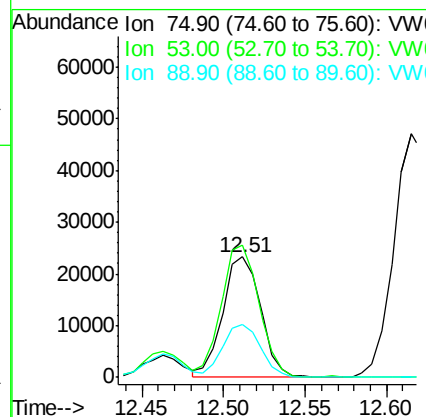
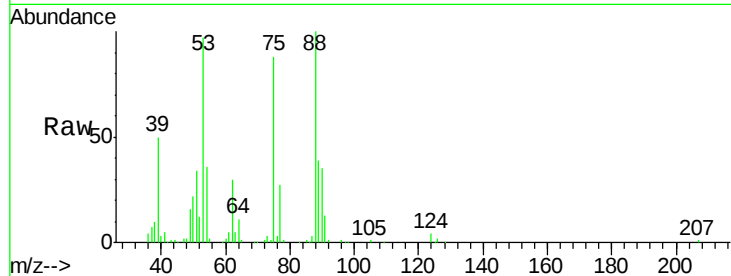
#81
trans-1,4-Dichloro-2-butene
Concen: 51.019 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.0	87.6	131.4
89	44.1	35.5	53.3

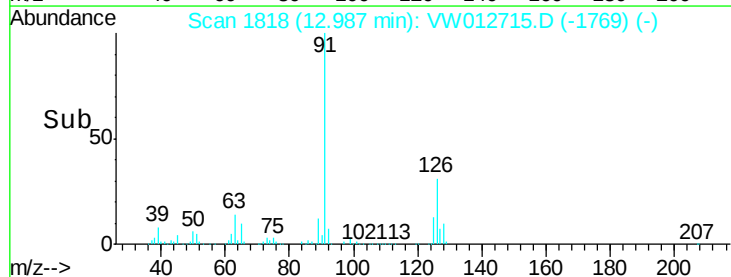
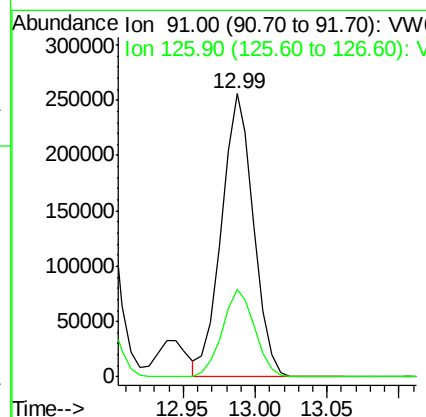
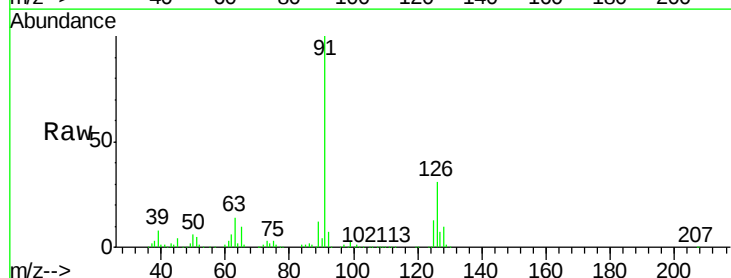
Manual Integrations
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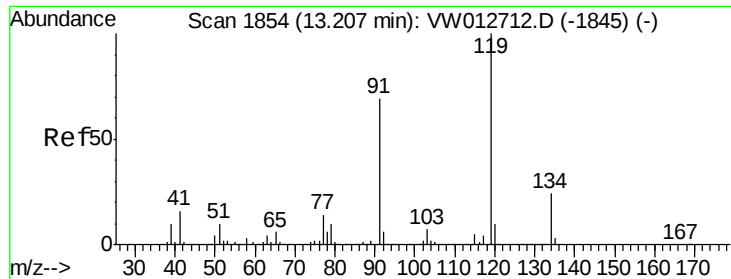
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#82
4-Chlorotoluene
Concen: 50.486 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.6





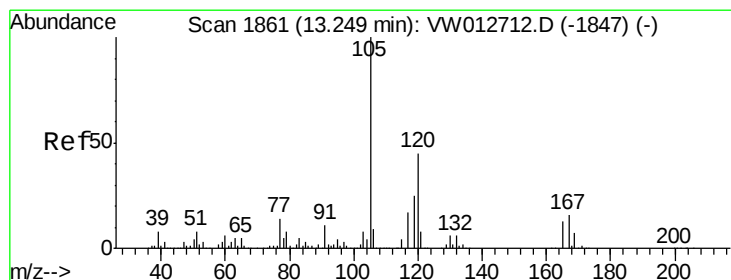
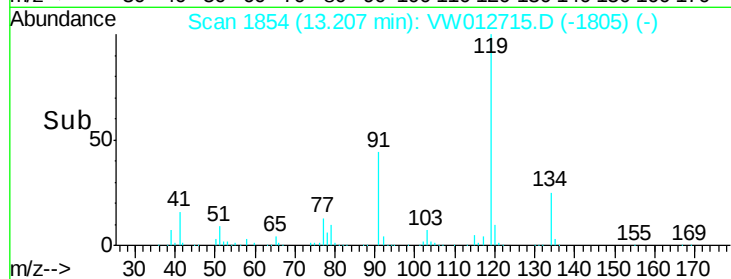
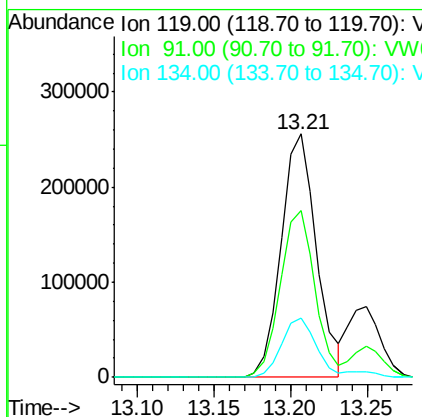
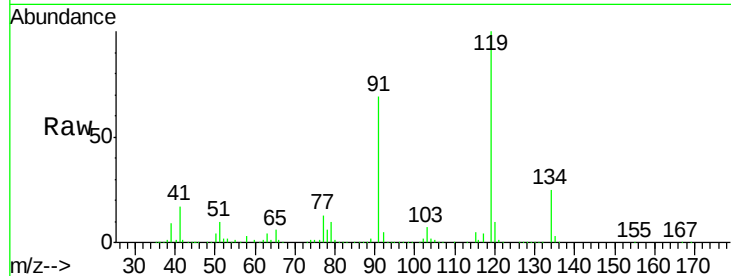
#83
tert-Butylbenzene
Concen: 50.665 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.2	102.5
134	24.4	12.3	36.9

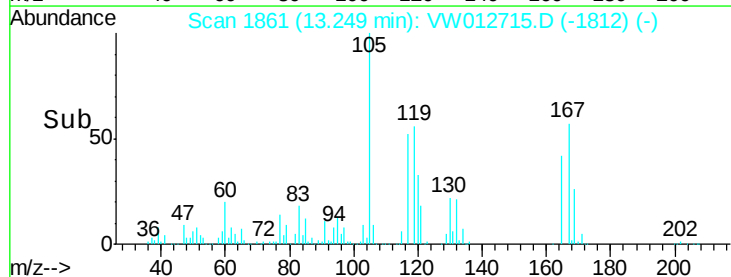
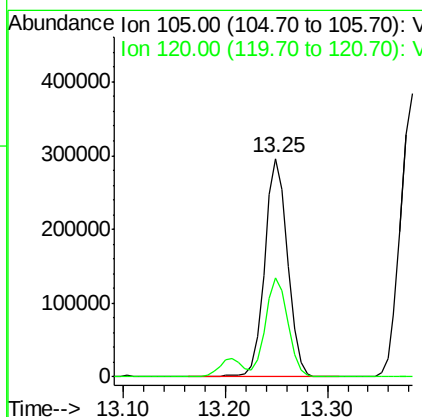
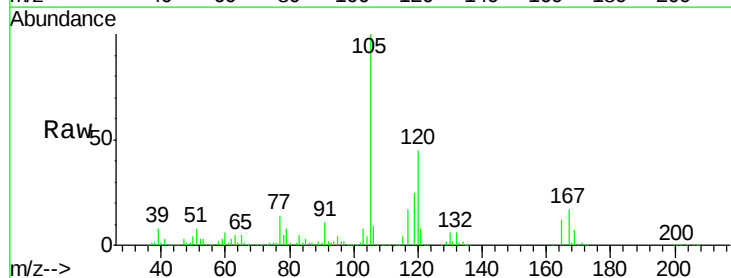
Manual Integrations
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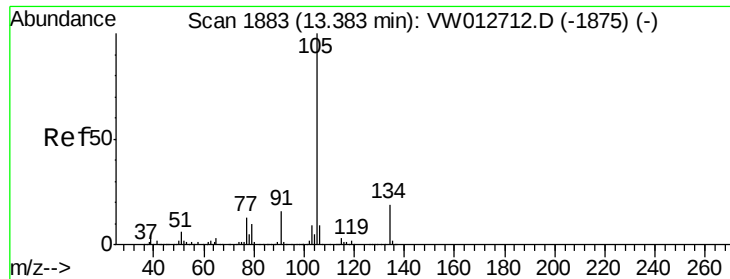
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#84
1,2,4-Trimethylbenzene
Concen: 50.032 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.3





#85

sec-Butylbenzene

Concen: 51.131 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW090719

Tot Ion:105 Resp: 572820

Ion Ratio Lower Upper

105 100

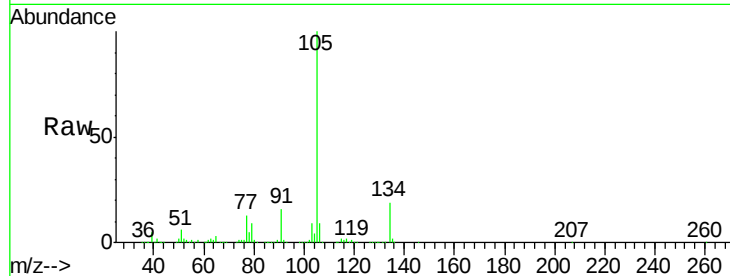
134 19.5 9.8 29.3

Manual Integrations

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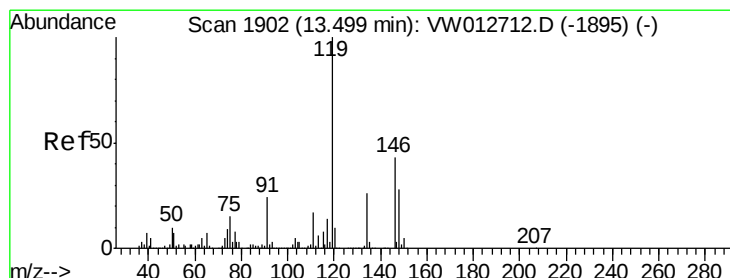
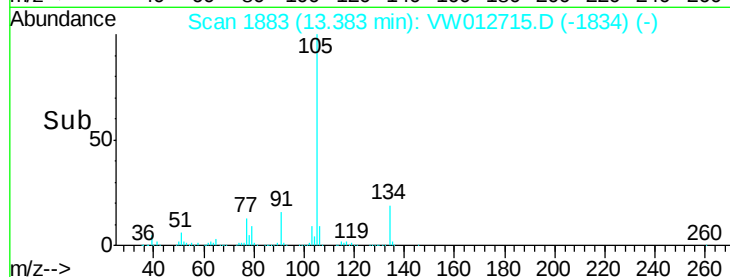
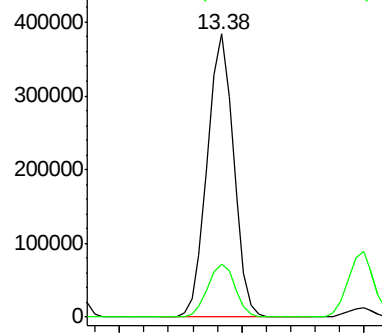
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.927 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

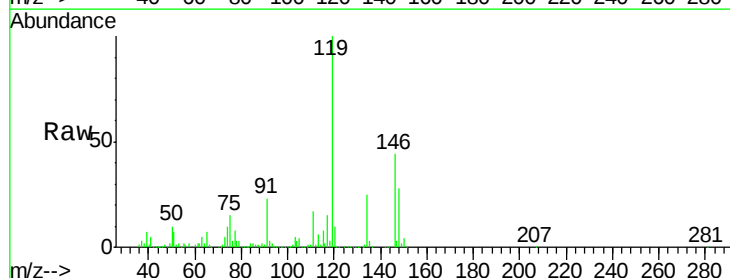
Tgt Ion:119 Resp: 521136

Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.1

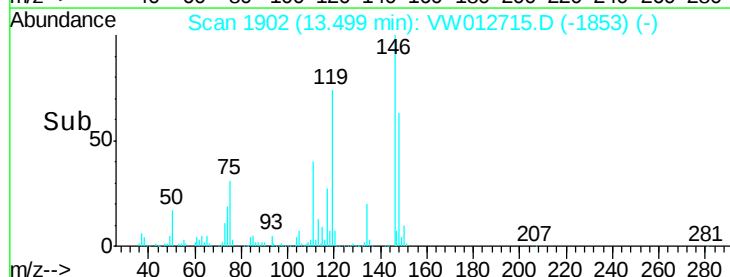
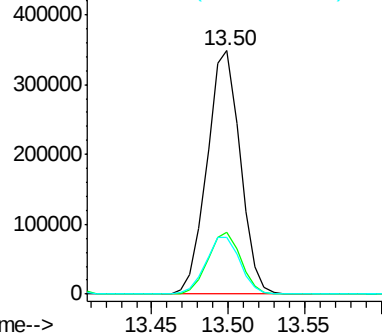
91 24.1 12.2 36.6

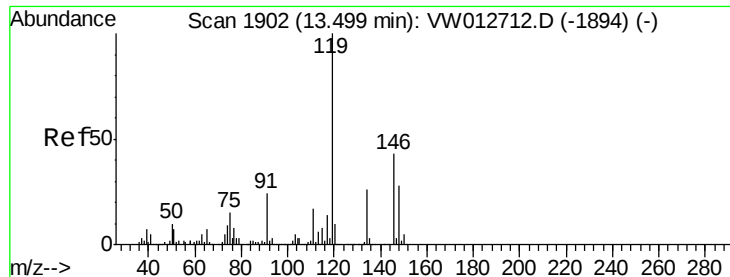


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





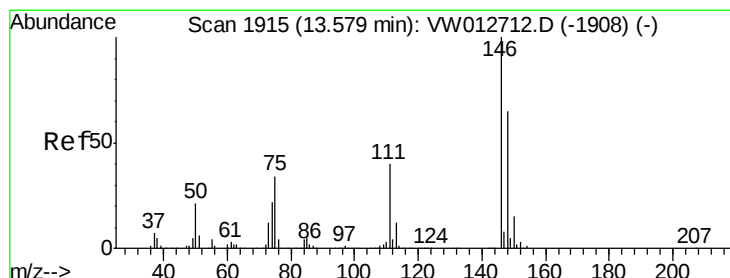
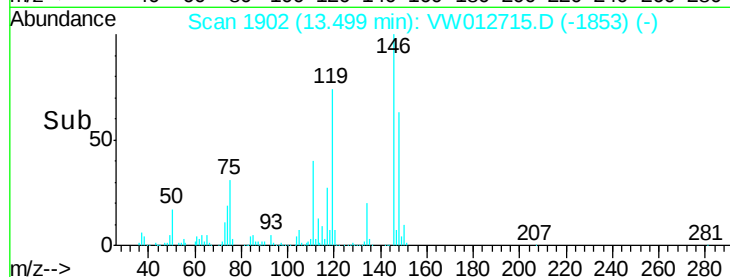
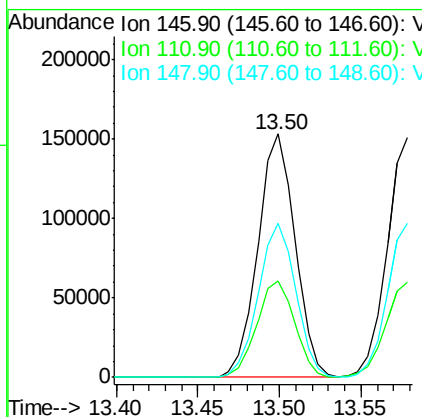
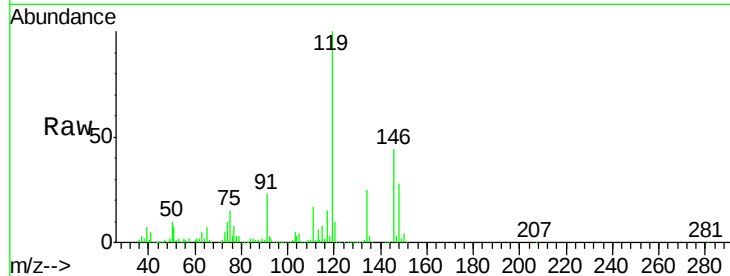
#87
 1,3-Dichlorobenzene
 Concen: 50.169 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012715.D
 Acq: 07 Sep 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW090719

Tot Ion	Ratio	Resp	Lower	Upper
146	100	242082		
111	40.5	20.4	61.2	
148	63.6	31.8	95.4	

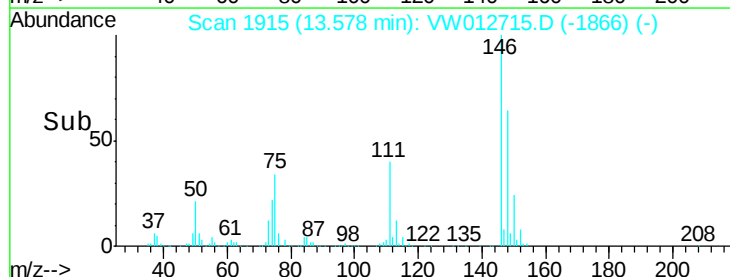
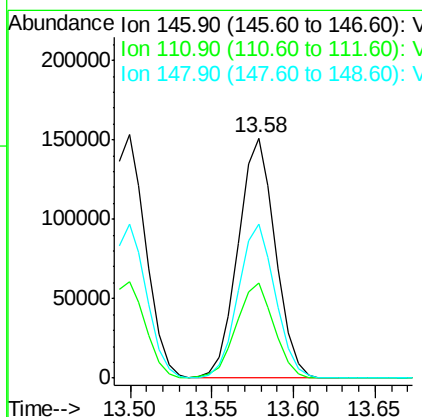
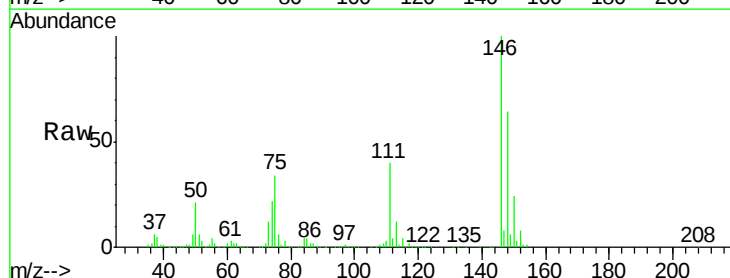
Manual Integrations
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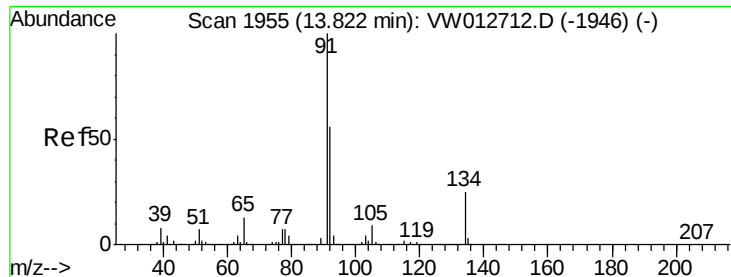
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#88
 1,4-Dichlorobenzene
 Concen: 50.048 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012715.D
 Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	240305		
111	40.3	20.0	60.0	
148	63.9	32.2	96.6	





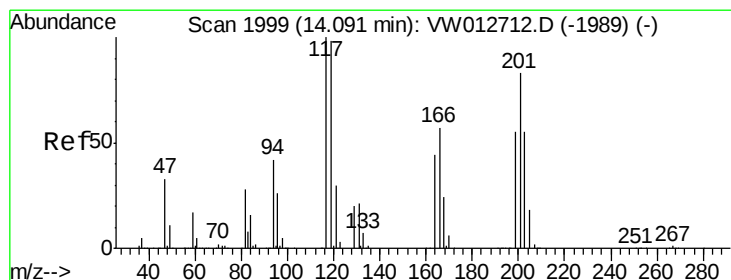
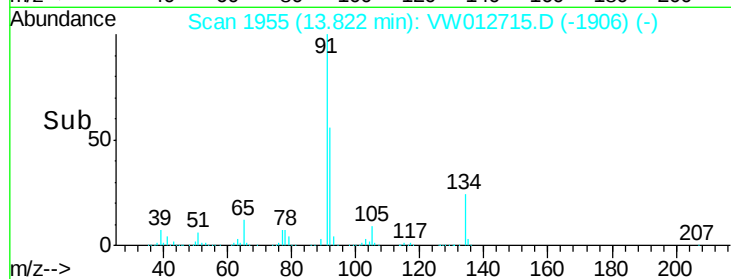
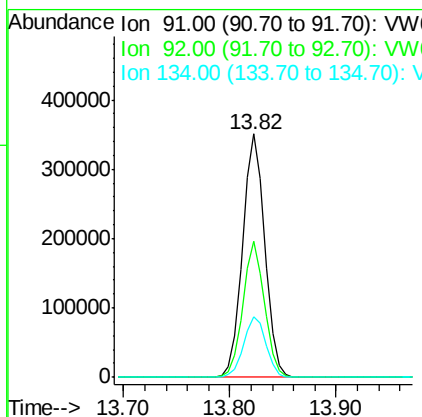
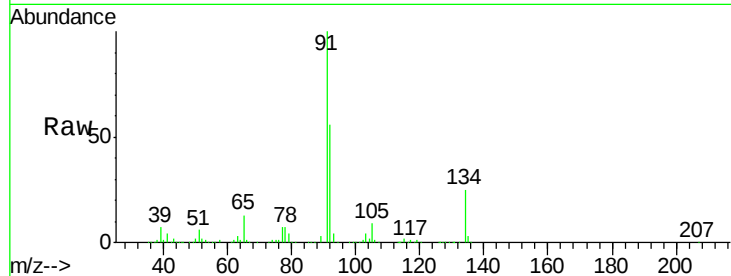
#89
n-Butylbenzene
Concen: 51.616 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW090719

Tot Ion	Ratio	Resp	Lower	Upper
91	100	512772		
92	54.4		27.2	81.5
134	25.0		12.7	38.1

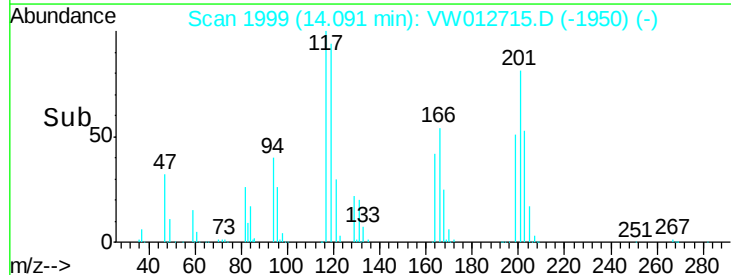
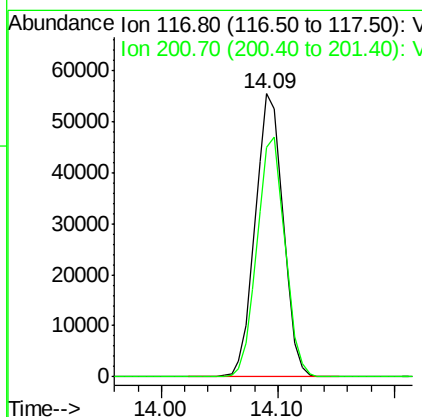
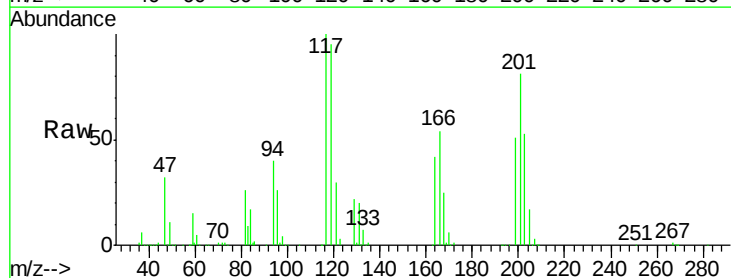
Manual Integrations
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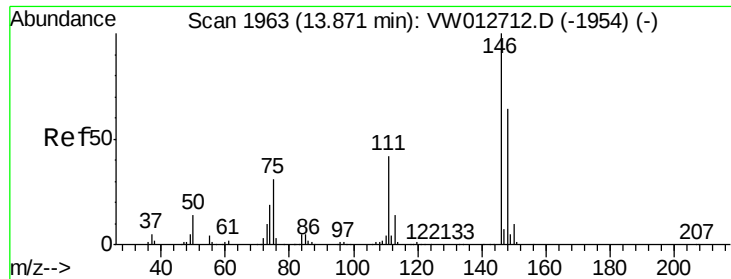
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#90
Hexachloroethane
Concen: 52.095 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012715.D
Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	93062		
201	84.9		42.8	128.4





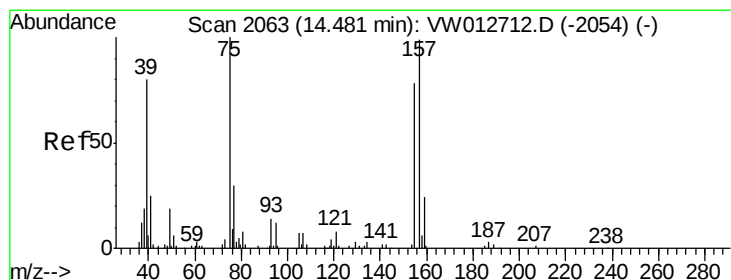
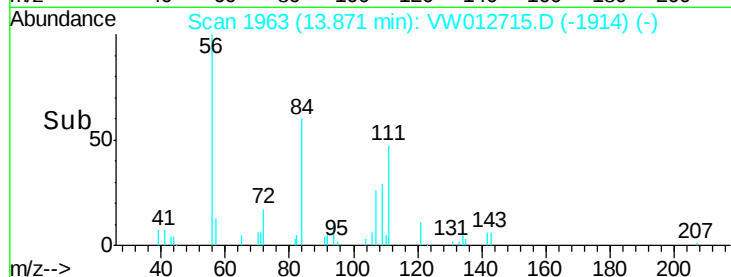
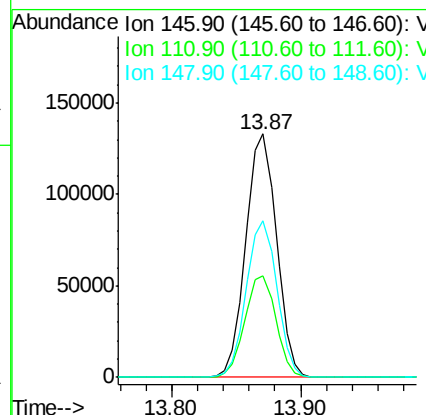
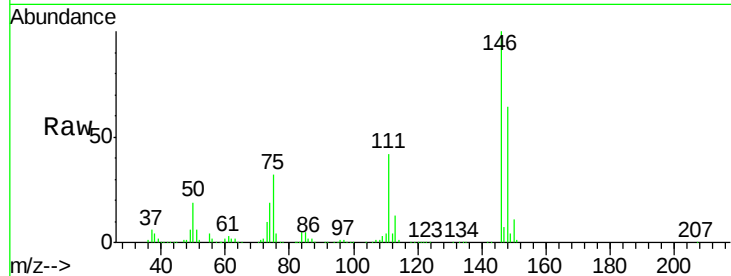
#91
 1,2-Dichlorobenzene
 Concen: 50.557 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012715.D
 Acq: 07 Sep 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW090719

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.9
148	64.2	32.1	96.5

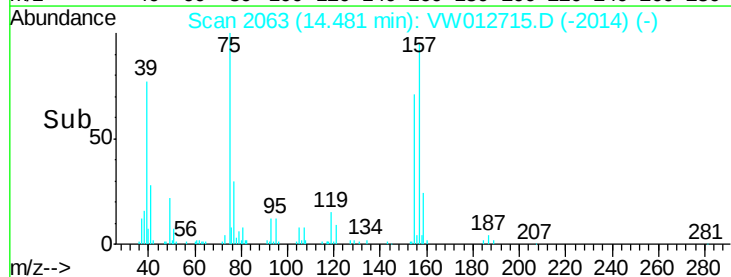
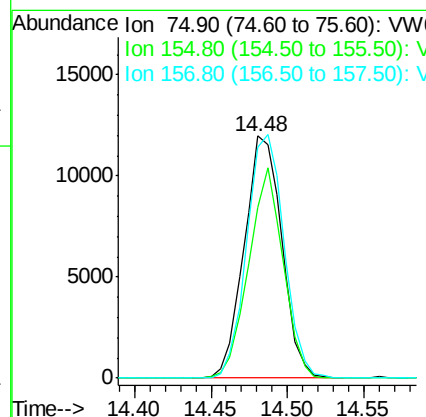
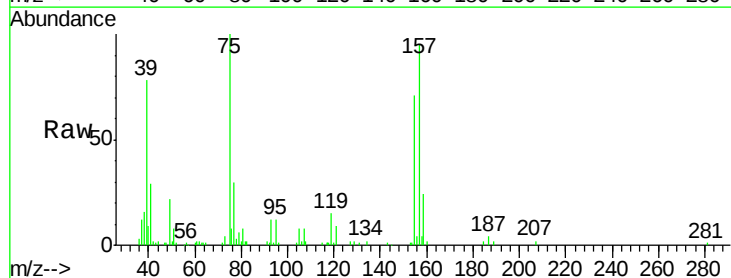
Manual Integrations
 APPROVED

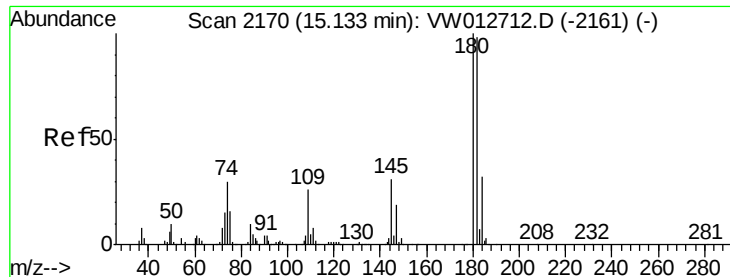
MMDadoda
 9/10/2019 1:02:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.353 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012715.D
 Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.4	40.6	122.0
157	99.4	52.5	157.5





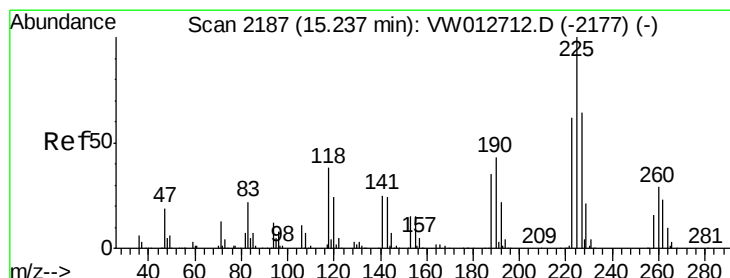
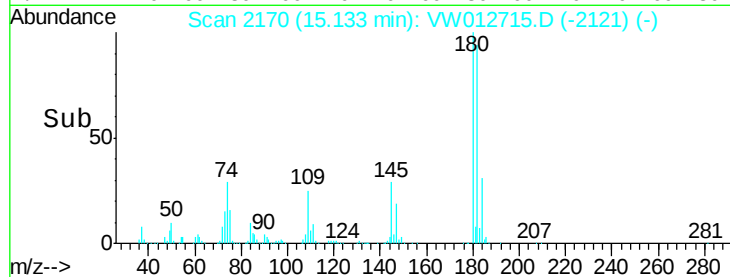
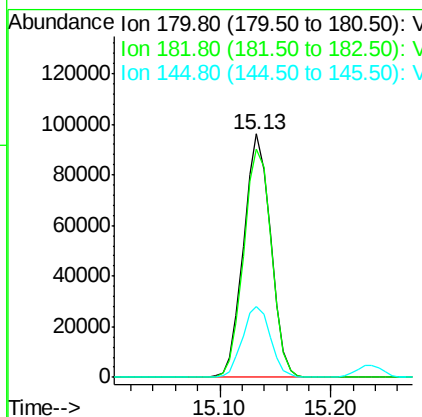
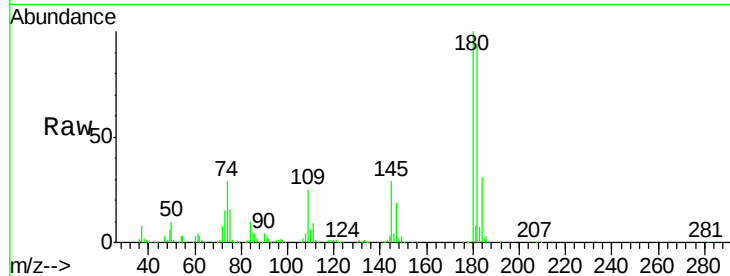
#93
 1,2,4-Trichlorobenzene
 Concen: 53.844 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012715.D
 Acq: 07 Sep 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW090719

Tot Ion	Ratio	Resp	Lower	Upper
180	100	162812		
182	95.9	48.7	146.1	
145	30.1	15.0	45.1	

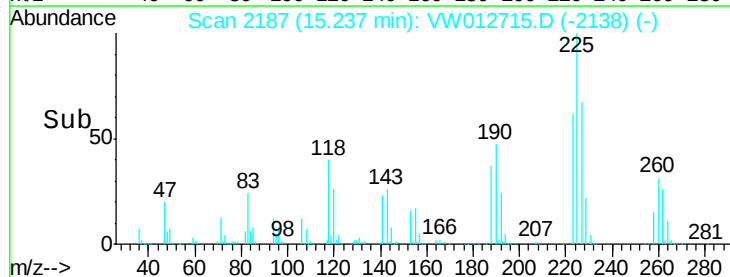
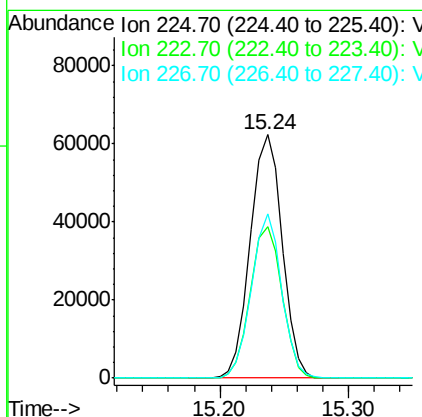
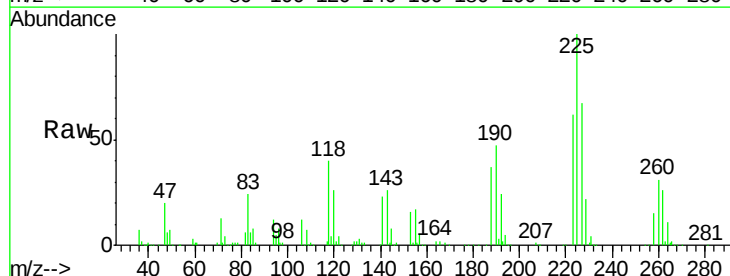
Manual Integrations
 APPROVED

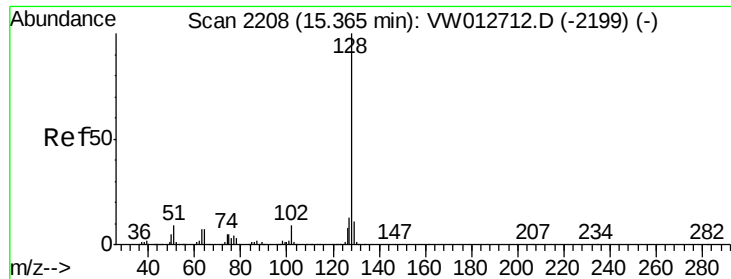
MMDadoda
 9/10/2019 1:02:45 PM



#94
 Hexachlorobutadiene
 Concen: 50.888 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012715.D
 Acq: 07 Sep 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	106506		
223	62.1	31.1	93.3	
227	63.8	31.4	94.2	





#95

Naphthalene

Concen: 50.939 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Instrument :

MSVOA_W

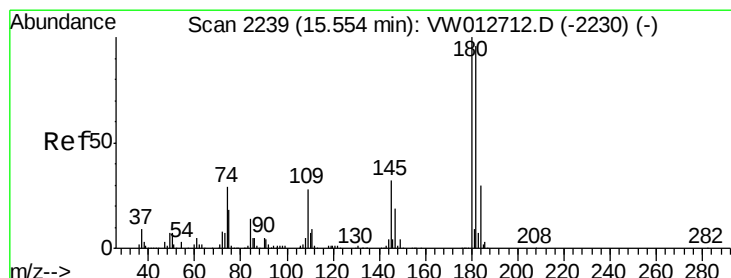
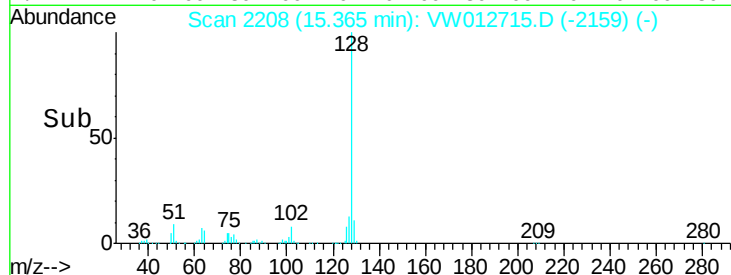
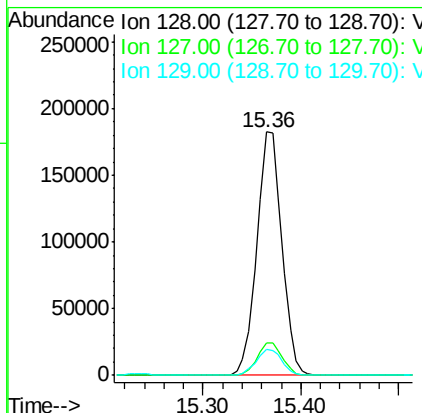
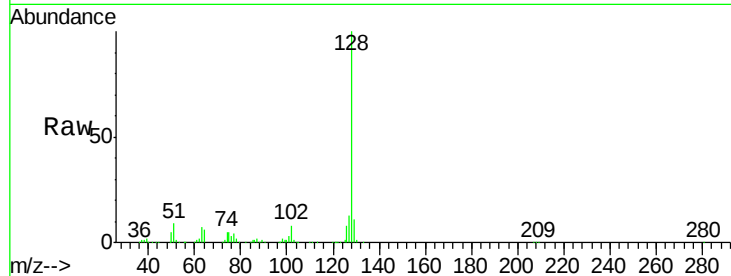
ClientSampleId :

ICVW090719

Tot Ion:	128	Resp:	323451
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.7	16.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:02:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.983 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW012715.D

Acq: 07 Sep 2019 12:34

Tgt Ion:	180	Resp:	144083
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.8	143.3
145	31.4	15.4	46.2

