

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW092019

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:51 AM

Quant Time: Sep 20 16:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	380098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	547785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	468312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	237442	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	142916	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
35) Dibromofluoromethane	7.88	113	142670	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
50) Toluene-d8	10.32	98	594334	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
62) 4-Bromofluorobenzene	12.62	95	202111	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	107791	49.162	ug/l	95
3) Chloromethane	2.21	50	123760	43.911	ug/l	99
4) Vinyl Chloride	2.36	62	166442	45.807	ug/l	94
5) Bromomethane	2.78	94	107925	46.870	ug/l	91
6) Chloroethane	2.92	64	99089	46.265	ug/l	95
7) Trichlorofluoromethane	3.25	101	96872	46.235	ug/l	96
8) Diethyl Ether	3.68	74	81799	45.707	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	161521	47.351	ug/l	100
10) Methyl Iodide	4.27	142	240168	45.412	ug/l	99
11) Tert butyl alcohol	5.19	59	49675	221.285	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	168180	47.612	ug/l	99
13) Acrolein	3.89	56	42521	238.111	ug/l	98
14) Allyl chloride	4.66	41	271196	48.241	ug/l	100
15) Acrylonitrile	5.37	53	178143	230.623	ug/l	99
16) Acetone	4.13	43	182423	260.764	ug/l	92
17) Carbon Disulfide	4.38	76	492891	48.277	ug/l	96
18) Methyl Acetate	4.67	43	83635	42.530	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	251856	46.522	ug/l	98
20) Methylene Chloride	4.91	84	168647	46.960	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	180775	47.351	ug/l	96
22) Diisopropyl ether	6.31	45	506115	47.344	ug/l	99
23) Vinyl Acetate	6.25	43	1523284	240.191	ug/l	99
24) 1,1-Dichloroethane	6.21	63	304228	47.162	ug/l	100
25) 2-Butanone	7.17	43	235377	224.132	ug/l	95
26) 2,2-Dichloropropane	7.16	77	189578	49.055	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	187826	46.618	ug/l	99
28) Bromochloromethane	7.51	49	125358	50.633	ug/l #	99
29) Tetrahydrofuran	7.53	42	145540	225.981	ug/l	100
30) Chloroform	7.67	83	291405	46.141	ug/l	97
31) Cyclohexane	7.95	56	310113	46.119	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	241702	47.253	ug/l	99
36) 1,1-Dichloropropene	8.08	75	250588	47.230	ug/l	99
37) Ethyl Acetate	7.24	43	101755	45.126	ug/l	98
38) Carbon Tetrachloride	8.07	117	227824	47.901	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	332539	48.771	ug/l	97
40) Benzene	8.32	78	699939	47.296	ug/l	100
41) Methacrylonitrile	7.48	41	61871	45.973	ug/l	97
42) 1,2-Dichloroethane	8.40	62	183408	46.102	ug/l	99
43) Isopropyl Acetate	8.42	43	197615	45.726	ug/l	100
44) Trichloroethene	9.09	130	196346	47.287	ug/l	99
45) 1,2-Dichloropropane	9.37	63	172081	47.627	ug/l	98
46) Dibromomethane	9.46	93	82460	47.009	ug/l	99
47) Bromodichloromethane	9.64	83	214055	47.957	ug/l	99
48) Methyl methacrylate	9.43	41	101099	49.749	ug/l	94
49) 1,4-Dioxane	9.46	88	23021	874.296	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	492601	227.362	ug/l	99
52) Toluene	10.38	92	450784	47.528	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	223312	48.697	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	272044	48.791	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	121707	46.420	ug/l	96
56) Ethyl methacrylate	10.65	69	164229	47.862	ug/l	99
57) 1,3-Dichloropropane	10.93	76	213084	46.573	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	391193	246.263	ug/l	99
59) 2-Hexanone	10.96	43	353238	236.976	ug/l	99
60) Dibromochloromethane	11.13	129	141501	47.530	ug/l	99
61) 1,2-Dibromoethane	11.23	107	115690	46.408	ug/l	99
64) Tetrachloroethene	10.86	164	169768	47.778	ug/l	97
65) Chlorobenzene	11.66	112	463360	47.382	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.72	131	160820	48.136	ug/l	99
67) Ethyl Benzene	11.73	91	857266	48.381	ug/l	98
68) m/p-Xylenes	11.83	106	652964	96.706	ug/l	99
69) o-Xylene	12.16	106	299268	47.673	ug/l	99
70) Styrene	12.18	104	522507	48.482	ug/l	99
71) Bromoform	12.35	173	84266	47.742	ug/l	100
73) Isopropylbenzene	12.46	105	849123	48.410	ug/l	100
74) N-amyl acetate	12.27	43	185285	47.605	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	133670	45.568	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	106073m	50.585	ug/l	
77) Bromobenzene	12.74	156	196705	47.325	ug/l	100
78) n-propylbenzene	12.80	91	997196	48.570	ug/l	99
79) 2-Chlorotoluene	12.89	91	553298	48.103	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	708518	48.054	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	45043	48.200	ug/l	99
82) 4-Chlorotoluene	12.99	91	579435	47.770	ug/l	99
83) tert-Butylbenzene	13.21	119	625794	48.357	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	711612	48.502	ug/l	98
85) sec-Butylbenzene	13.38	105	874002	48.986	ug/l	100
86) p-Isopropyltoluene	13.50	119	813968	49.187	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	377640	47.208	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	377155	48.073	ug/l	100
89) n-Butylbenzene	13.82	91	754599	49.939	ug/l	100
90) Hexachloroethane	14.09	117	138029	49.651	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	330985	47.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21134	47.102	ug/l	99

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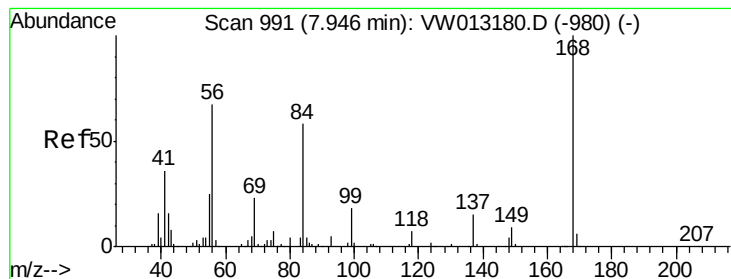
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	250275	50.468	ug/l	100
94) Hexachlorobutadiene	15.24	225	165104	48.664	ug/l	99
95) Naphthalene	15.36	128	416934	51.405	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	214927	50.158	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampled :

ICVW092019

Tot Ion:168 Resp: 380098

Ion Ratio Lower Upper

168 100

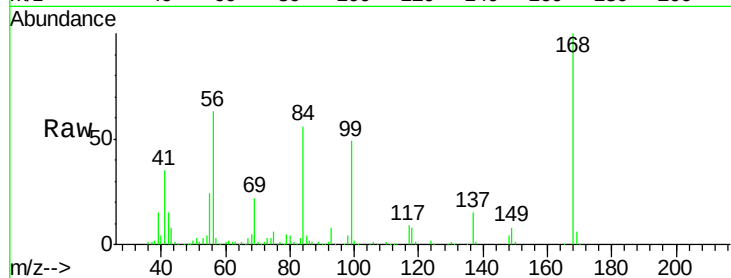
99 48.7 40.2 60.4

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

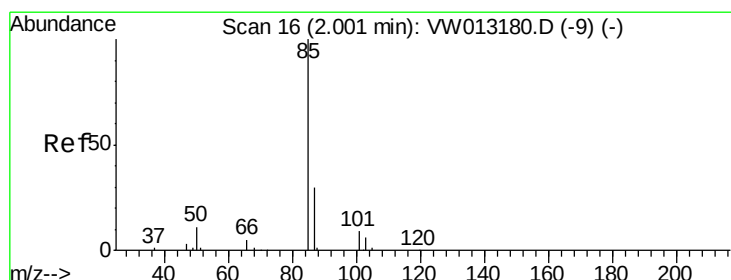
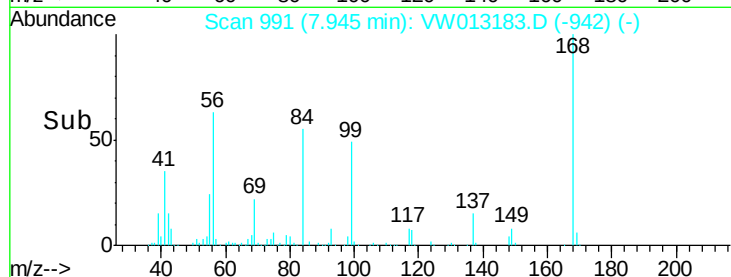
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.162 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013183.D

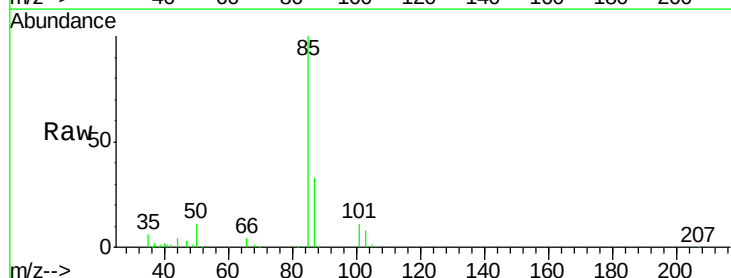
Acq: 20 Sep 2019 15:34

Tgt Ion: 85 Resp: 107791

Ion Ratio Lower Upper

85 100

87 32.9 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

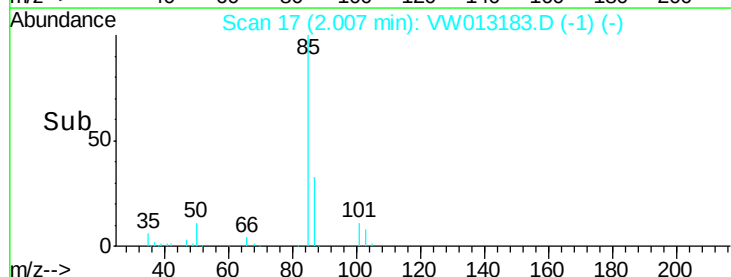
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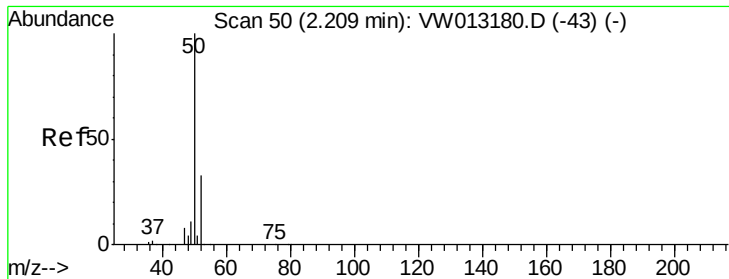
20000

10000

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Time-->





#3

Chloromethane

Concen: 43.911 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW092019

Tot Ion: 50 Resp: 123760

Ion Ratio Lower Upper

50 100

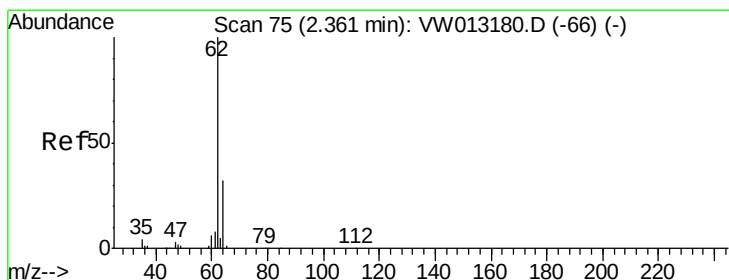
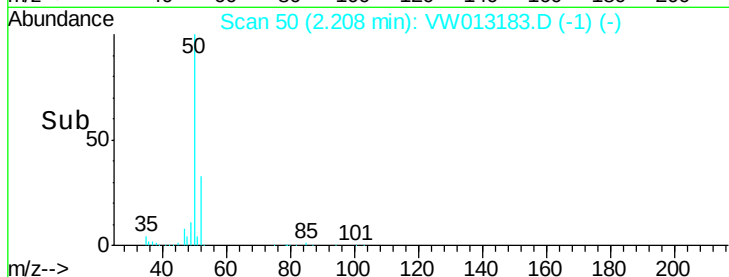
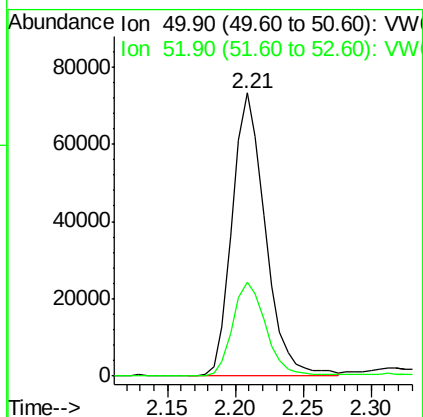
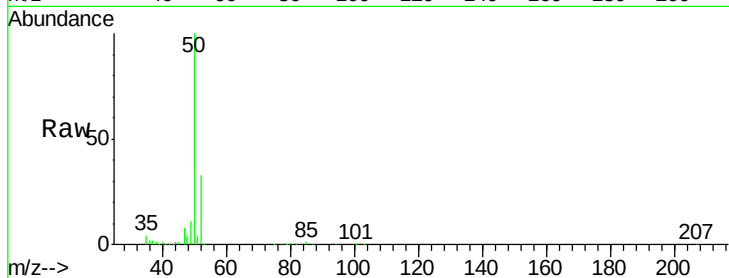
52 33.2 26.1 39.1

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#4

Vinyl Chloride

Concen: 45.807 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013183.D

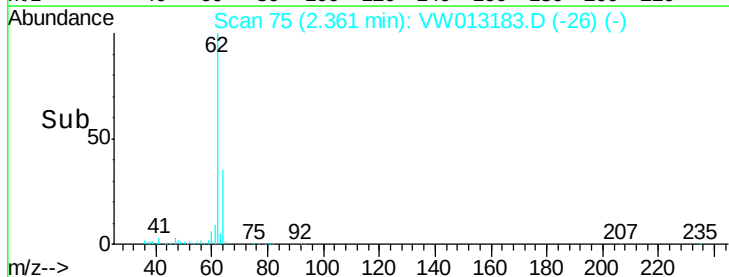
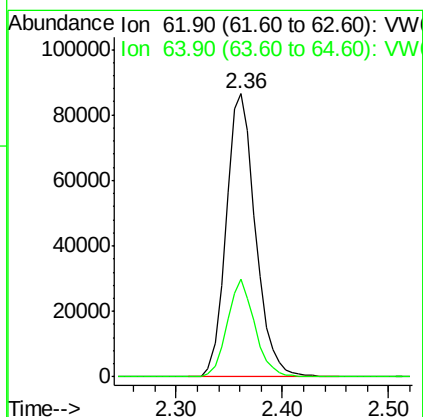
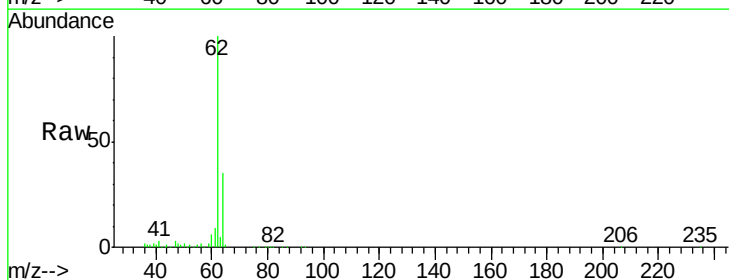
Acq: 20 Sep 2019 15:34

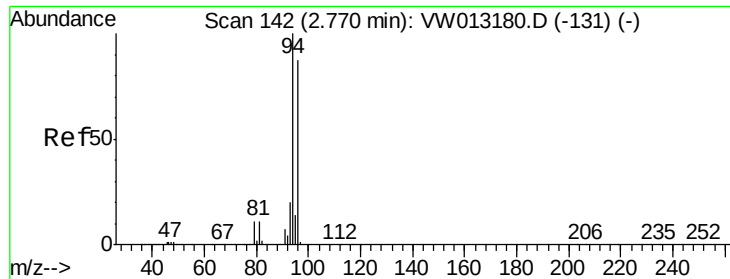
Tgt Ion: 62 Resp: 166442

Ion Ratio Lower Upper

62 100

64 34.8 25.3 37.9





#5

Bromomethane

Concen: 46.870 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW092019

Tot Ion: 94 Resp: 107925

Ion Ratio Lower Upper

94 100

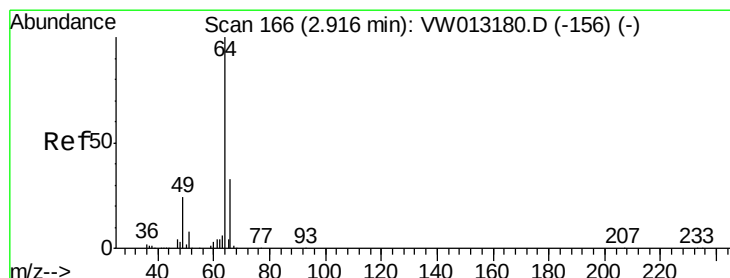
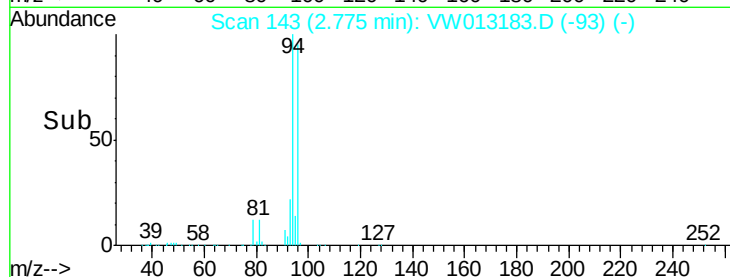
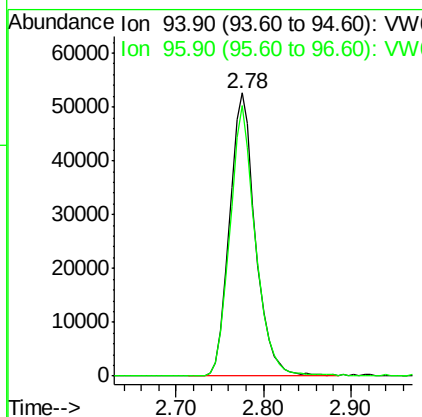
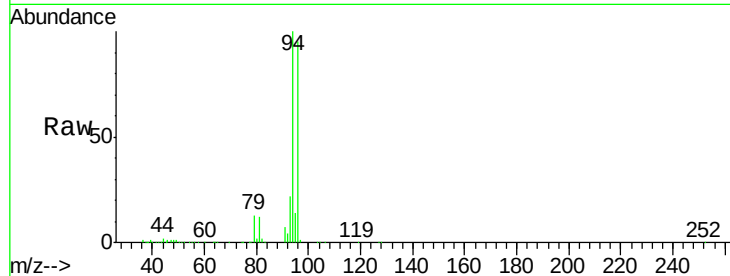
96 95.5 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 46.265 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013183.D

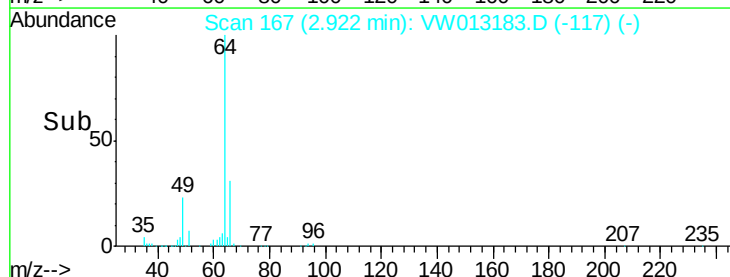
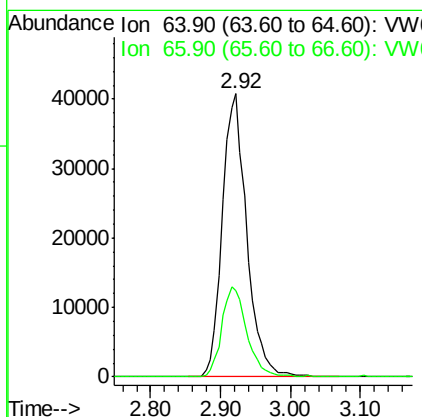
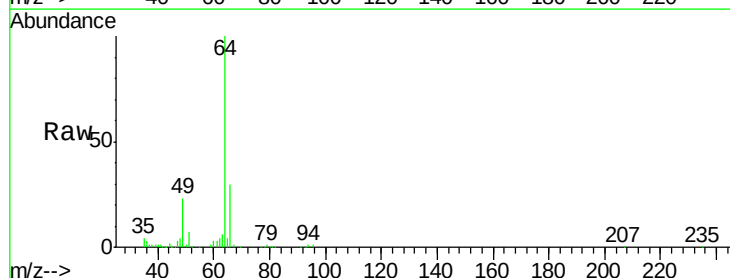
Acq: 20 Sep 2019 15:34

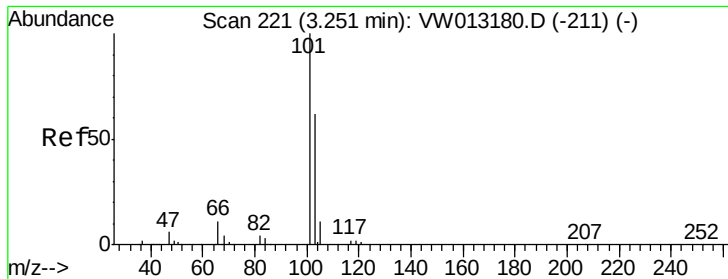
Tgt Ion: 64 Resp: 99089

Ion Ratio Lower Upper

64 100

66 30.5 26.6 39.8





#7

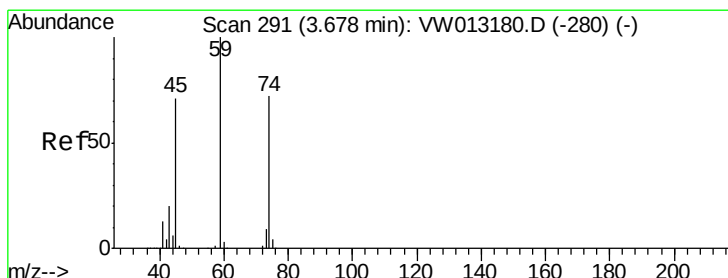
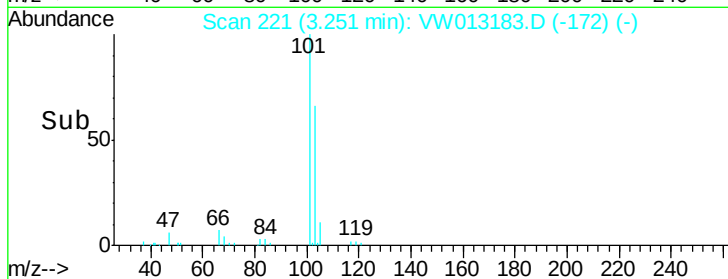
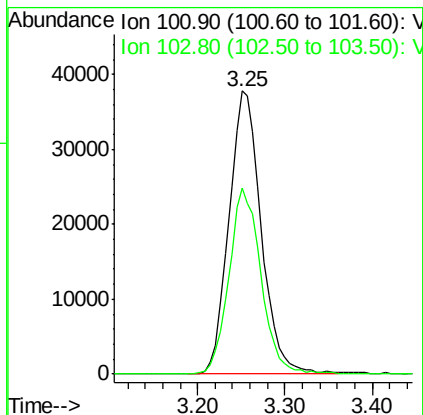
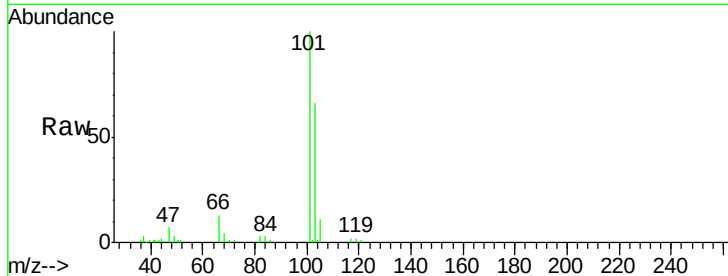
Trichlorofluoromethane
Concen: 46.235 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	49.7	74.5

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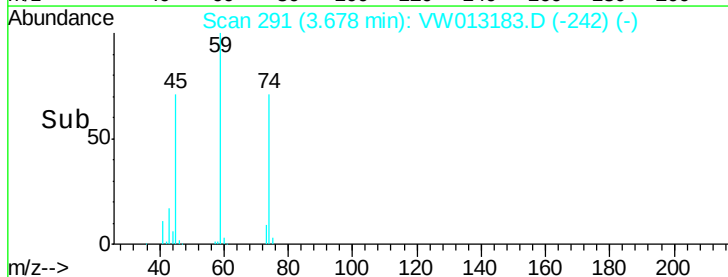
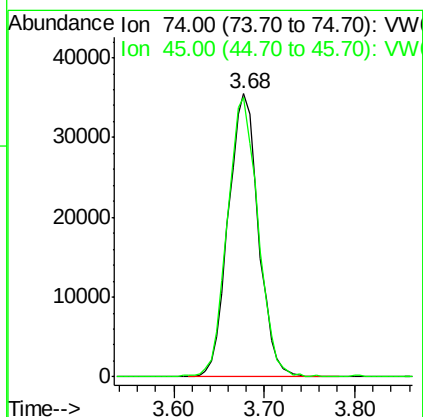
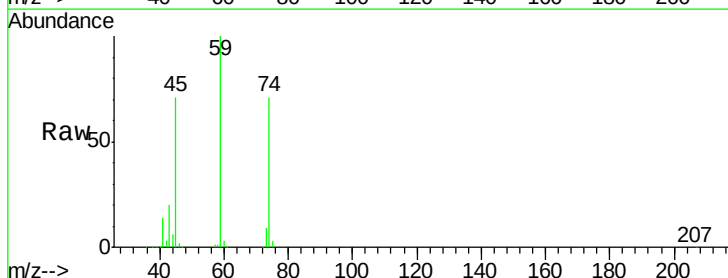
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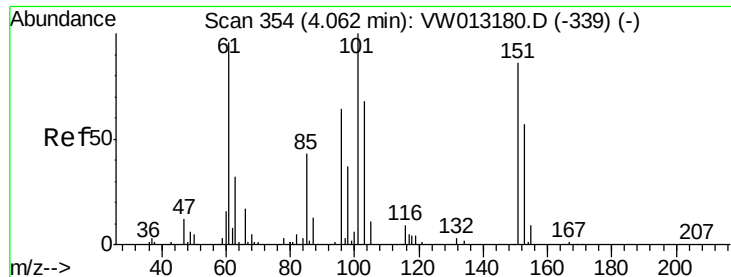


#8

Diethyl Ether
Concen: 45.707 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.351 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

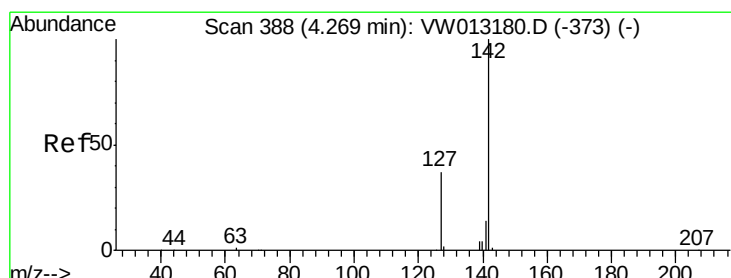
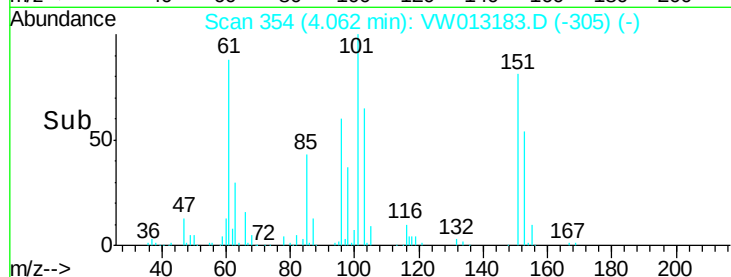
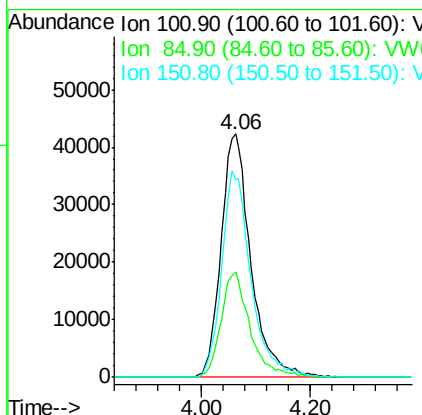
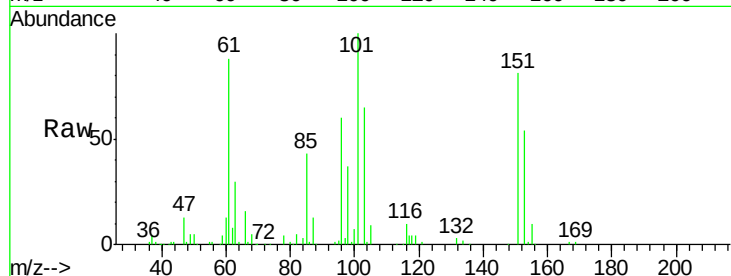
ClientSampled :

ICVW092019

Tot Ion:	101	Resp:	161521
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.4	50.0
151	83.1	66.9	100.3

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#10

Methyl Iodide

Concen: 45.412 ug/l

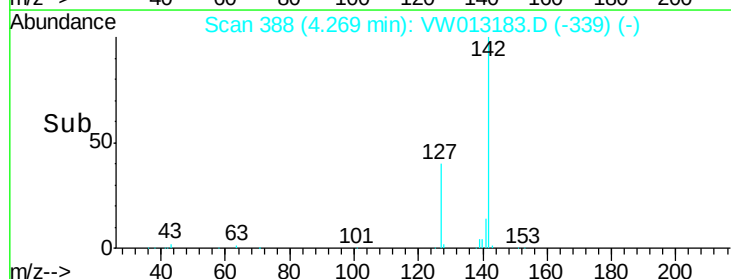
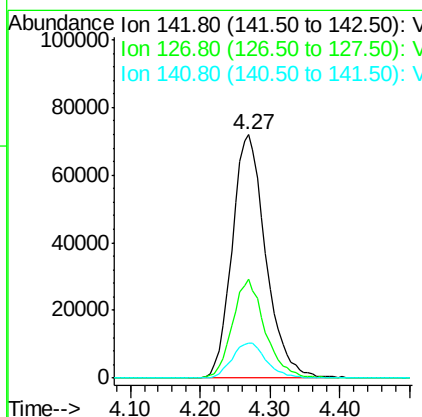
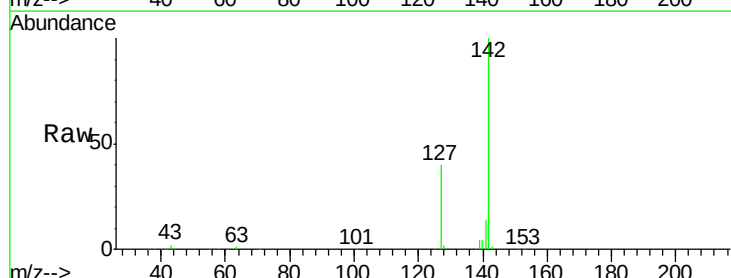
RT: 4.27 min Scan# 388

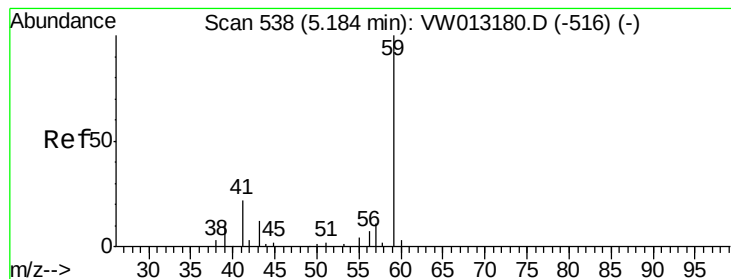
Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Tgt Ion:	142	Resp:	240168
Ion Ratio	Lower	Upper	
142	100		
127	39.2	30.9	46.3
141	14.8	11.7	17.5





#11

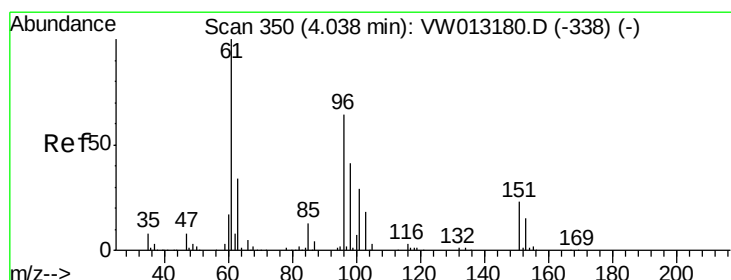
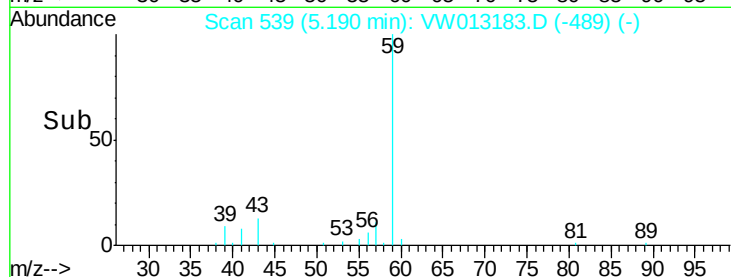
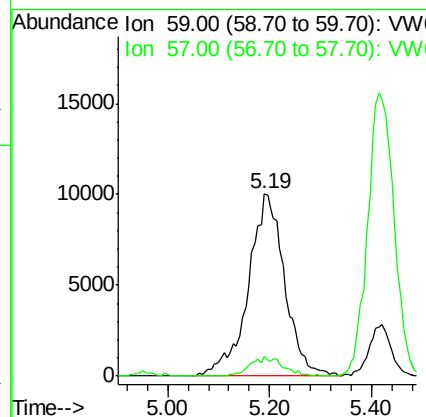
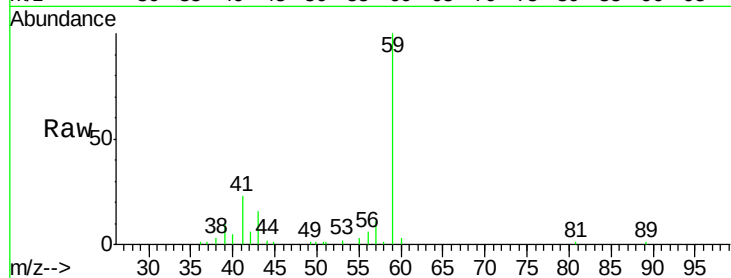
Tert butyl alcohol
 Concen: 221.285 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW092019

Tot Ion	59	57	Ratio	100	5.7	Resp	49675	Lower	Upper
Ion	59	57	Ratio	100	5.7	Resp	49675	Lower	Upper
								8.2	12.2#

Manual Integrations
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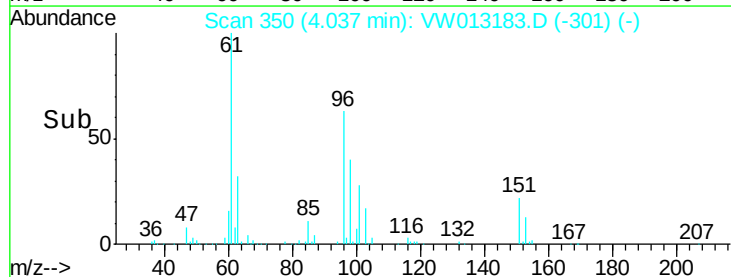
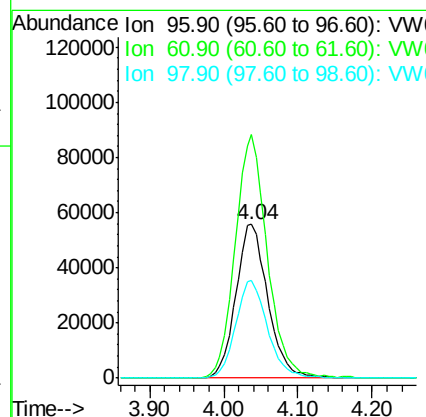
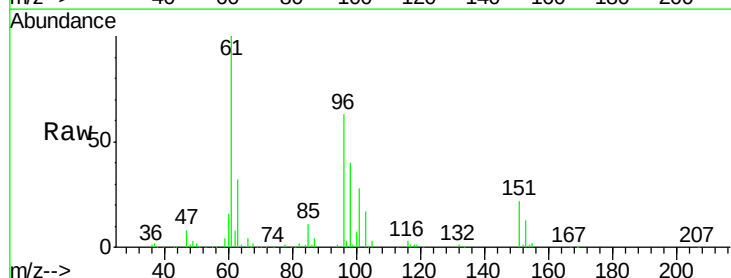
MMDadoda
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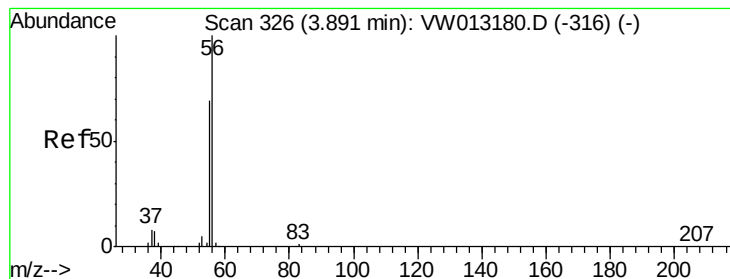


#12

1,1-Dichloroethene
 Concen: 47.612 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	96	61	98	Ratio	100	158.2	63.7	Resp	168180	Lower	Upper
Ion	96	61	98	Ratio	100	158.2	63.7	Resp	168180	Lower	Upper
										125.1	187.7
										50.8	76.2





#13

Acrolein

Concen: 238.111 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW092019

Tot Ion: 56 Resp: 42521

Ion Ratio Lower Upper

56 100

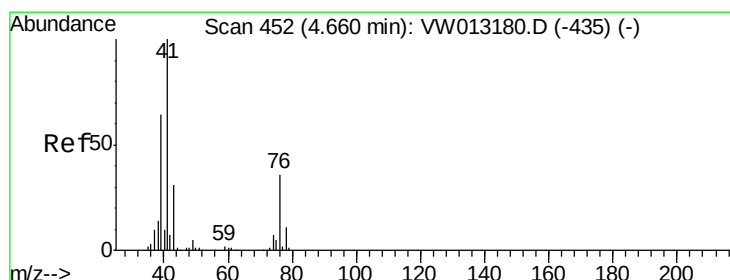
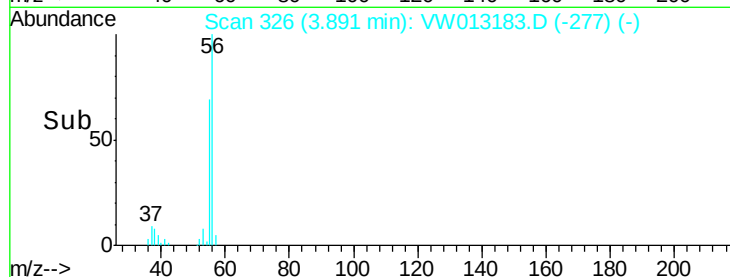
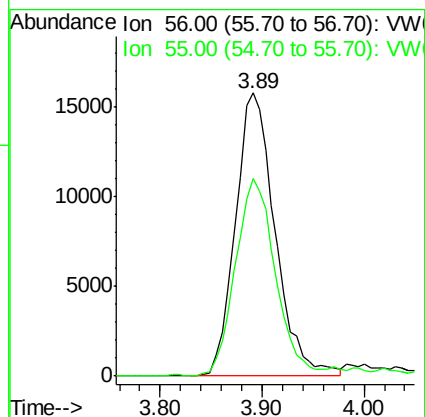
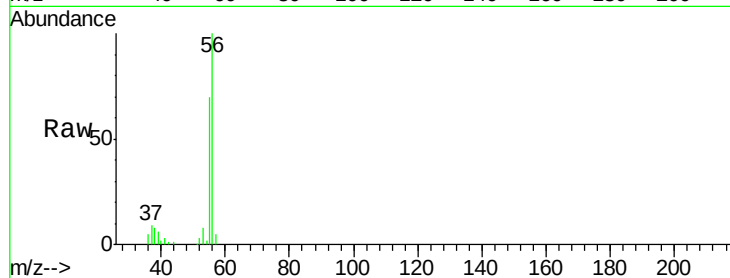
55 70.5 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 48.241 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

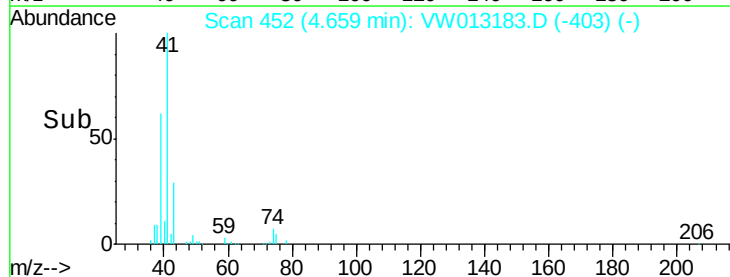
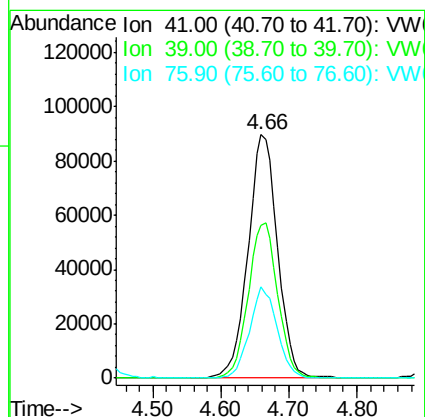
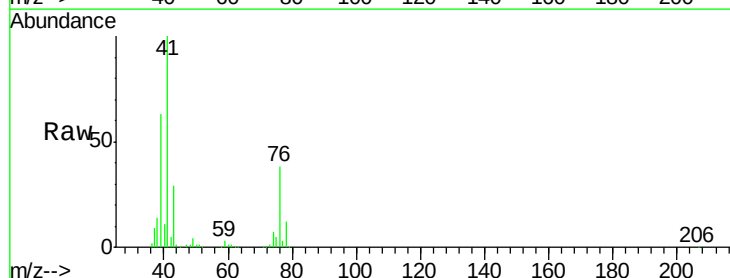
Tgt Ion: 41 Resp: 271196

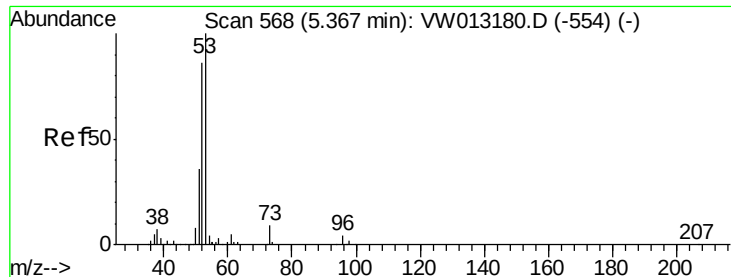
Ion Ratio Lower Upper

41 100

39 63.7 51.0 76.4

76 35.1 28.4 42.6





#15

Acrylonitrile

Concen: 230.623 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

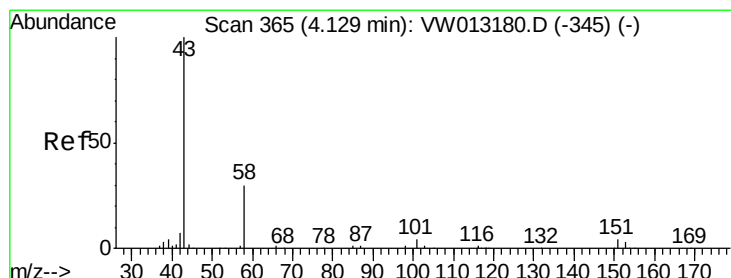
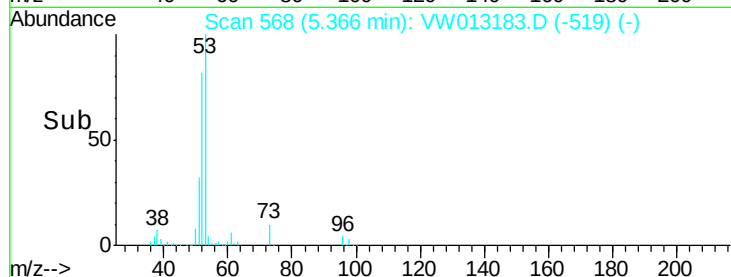
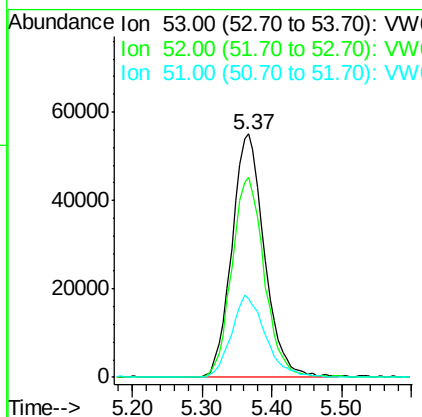
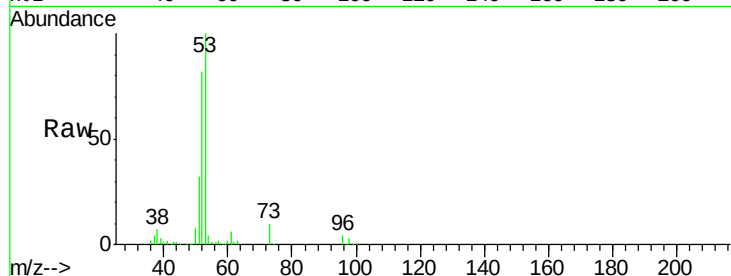
ClientSampleId :

ICVW092019

Tot Ion:	53	Resp:	178143
Ion Ratio		Lower	Upper
53	100		
52	81.8	65.3	97.9
51	35.3	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 260.764 ug/l

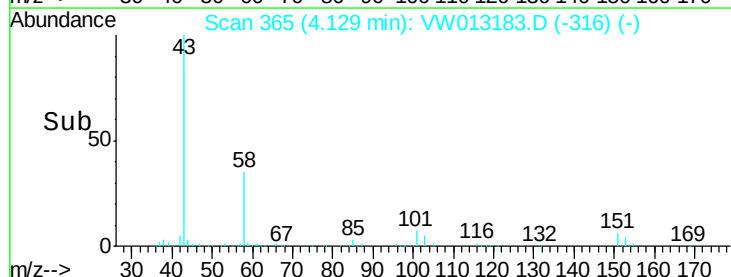
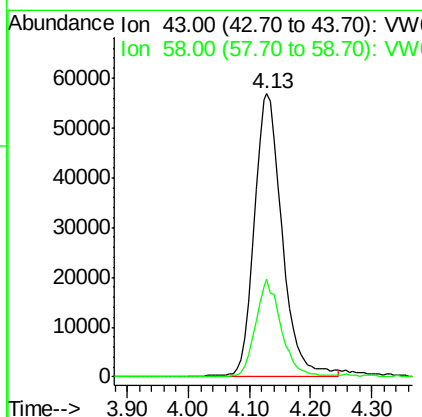
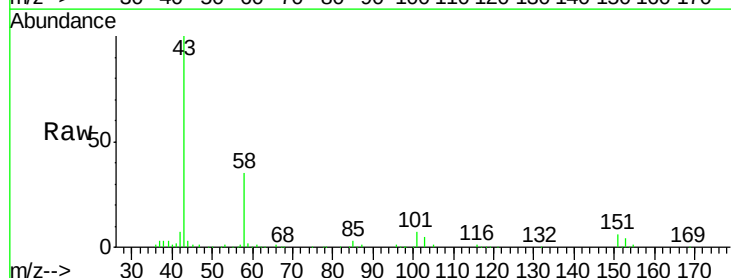
RT: 4.13 min Scan# 365

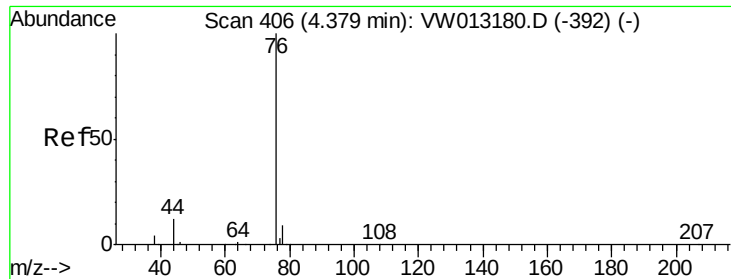
Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Tgt Ion:	43	Resp:	182423
Ion Ratio		Lower	Upper
43	100		
58	34.5	24.1	36.1





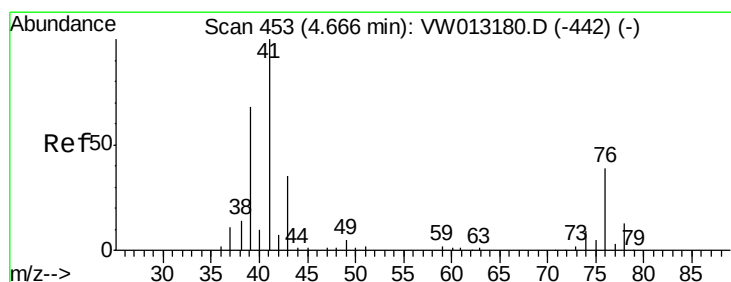
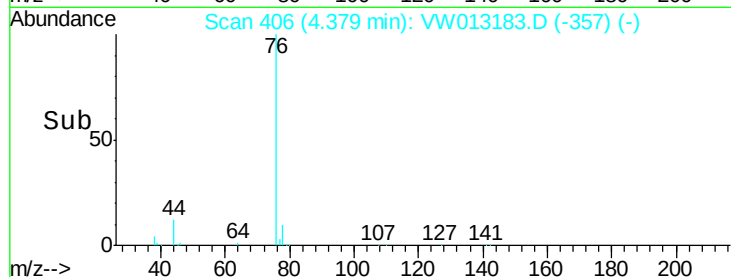
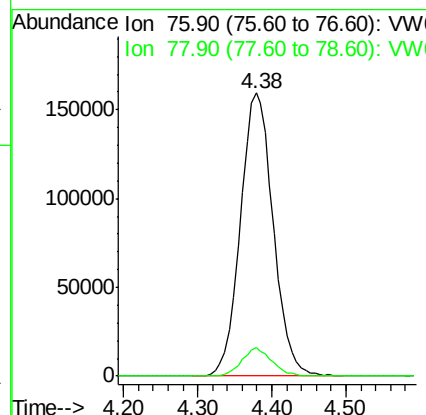
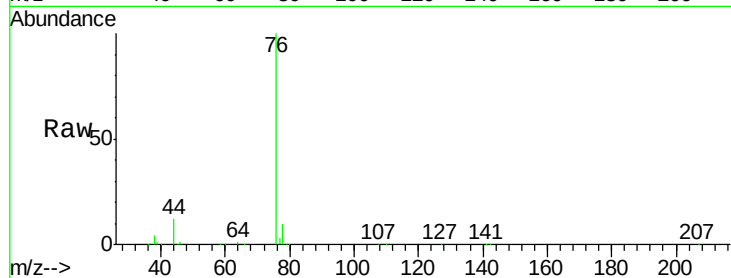
#17
Carbon Disulfide
Concen: 48.277 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.0	10.4

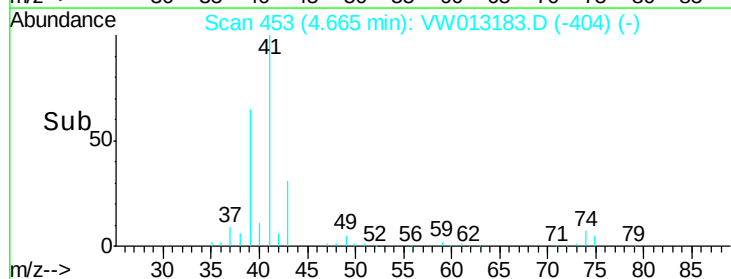
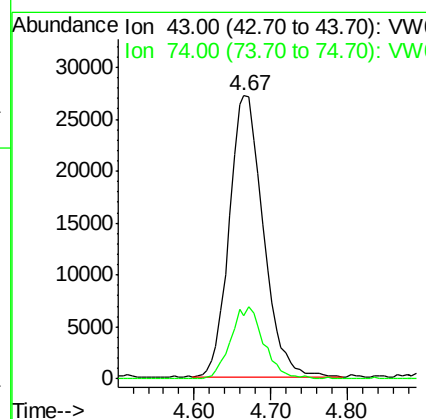
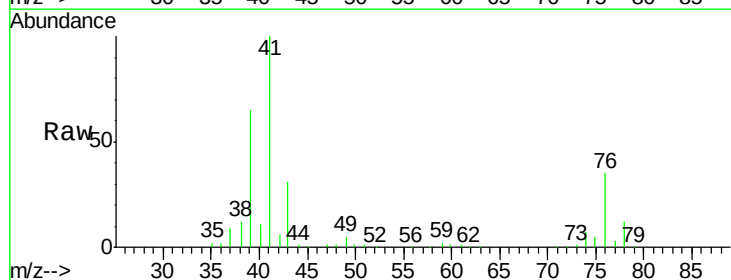
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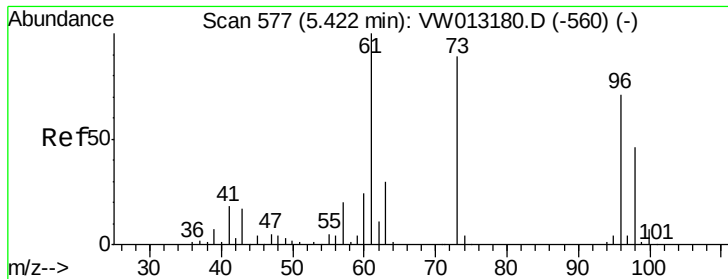
MMDadoda
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#18
Methyl Acetate
Concen: 42.530 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.3	28.9





#19

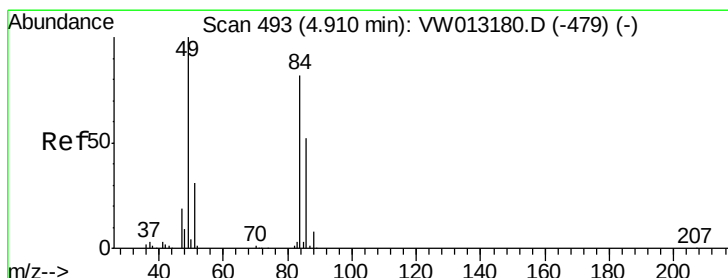
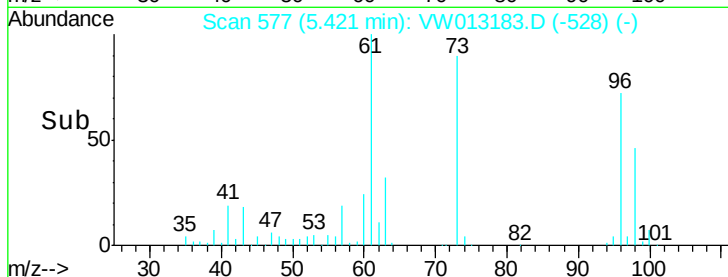
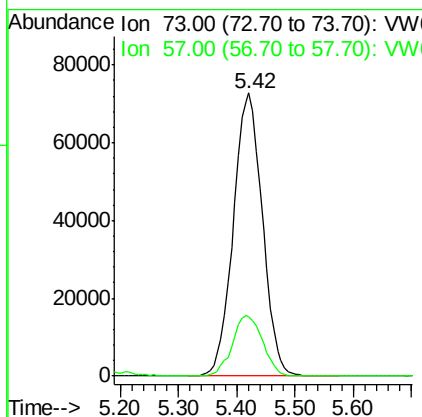
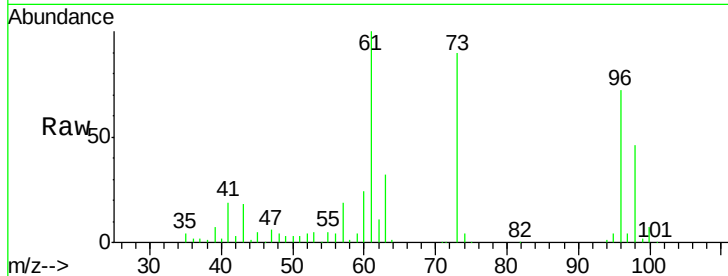
Methyl tert-butyl Ether
 Concen: 46.522 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW092019

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.6	26.4

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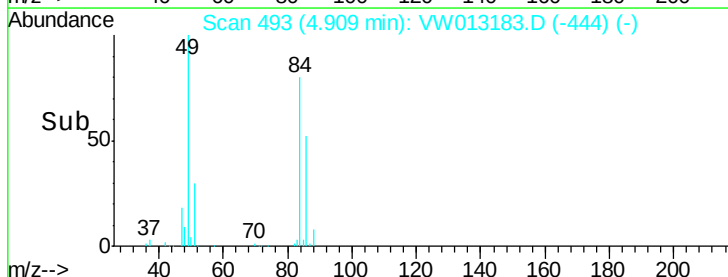
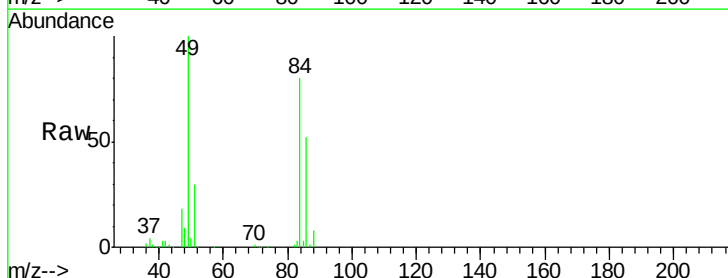
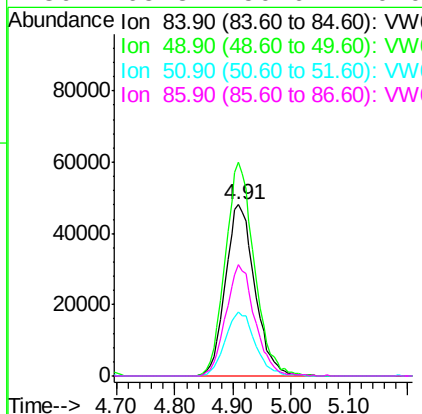
MMDadoda
 9/24/2019 5:28:51 AM

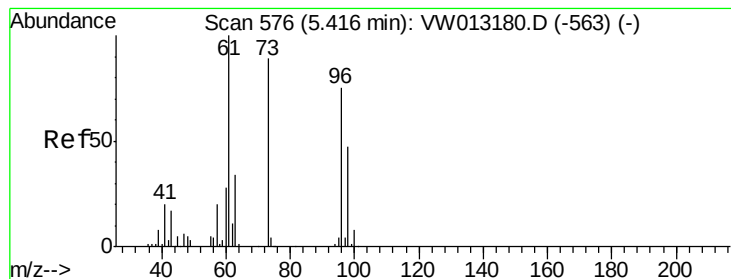


#20

Methylene Chloride
 Concen: 46.960 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.9	97.6	146.4
51	37.8	30.2	45.2
86	65.3	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 47.351 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampled :

ICVW092019

Tot Ion: 96 Resp: 180775

Ion Ratio Lower Upper

96 100

61 139.3 106.6 159.8

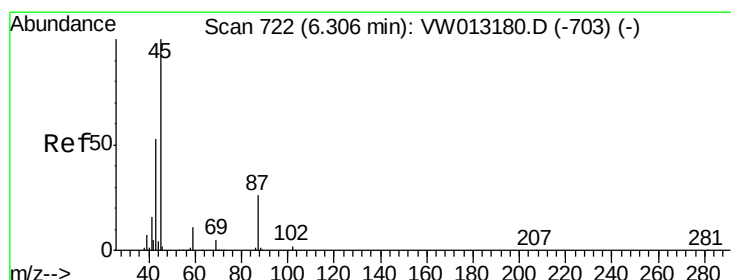
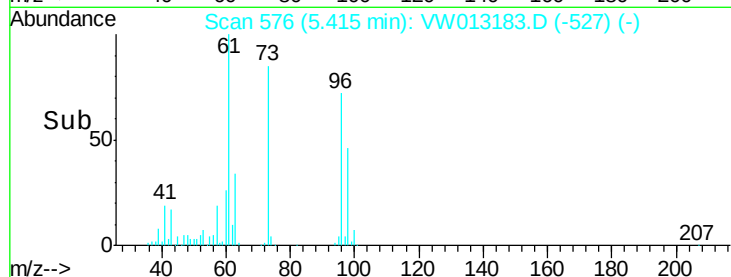
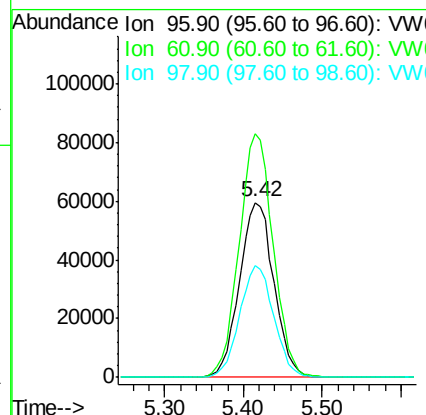
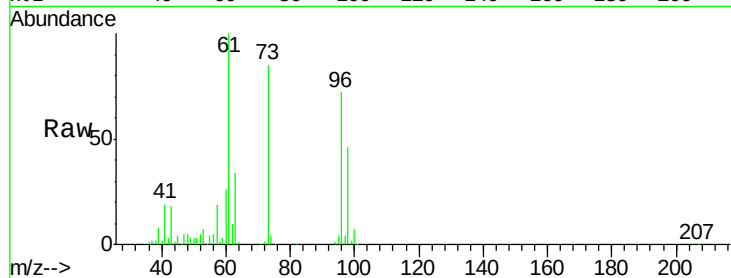
98 63.7 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 47.344 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Tgt Ion: 45 Resp: 506115

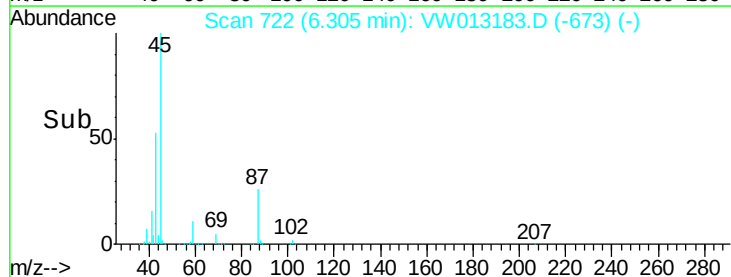
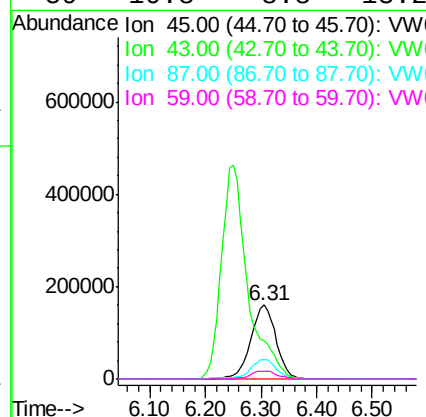
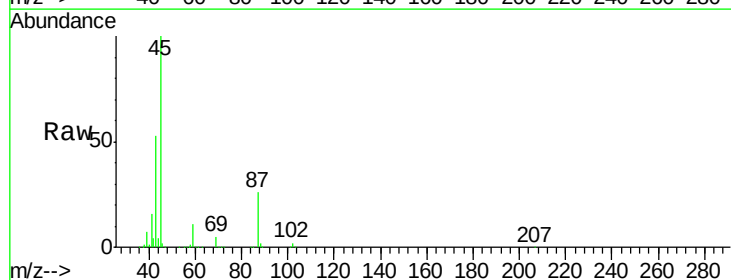
Ion Ratio Lower Upper

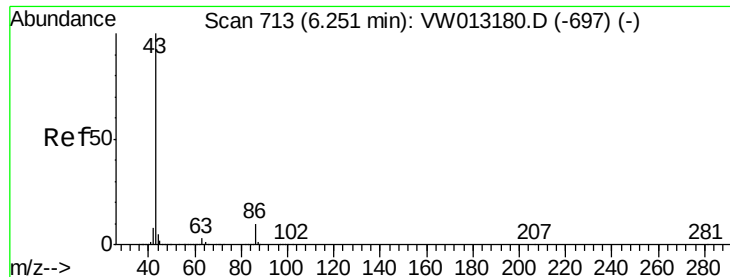
45 100

43 52.4 42.4 63.6

87 26.0 20.4 30.6

59 10.8 8.8 13.2





#23

Vinyl Acetate

Concen: 240.191 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Tot Ion: 43 Resp: 1523284

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5

Instrument :

MSVOA_W

ClientSampleId :

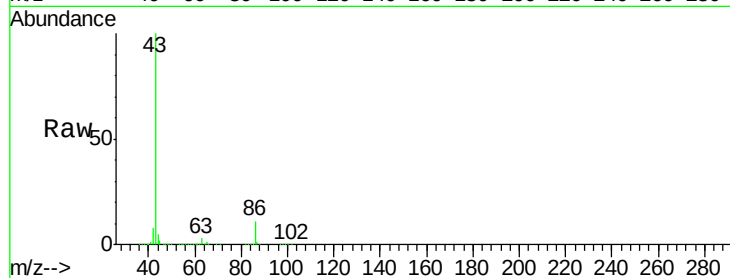
ICVW092019

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

500000

400000

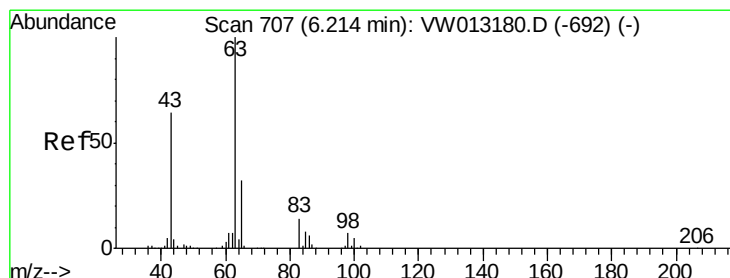
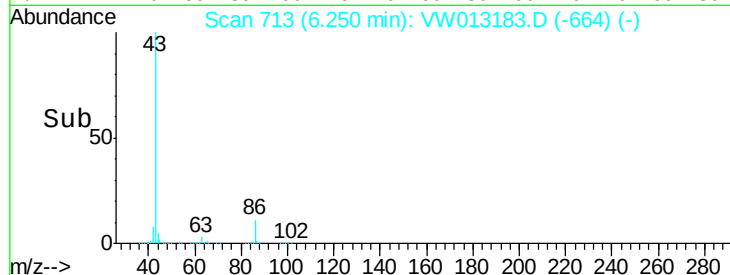
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.162 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

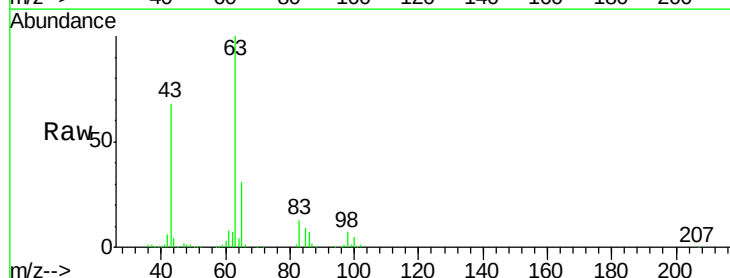
Tgt Ion: 63 Resp: 304228

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.7 2.4 7.1



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

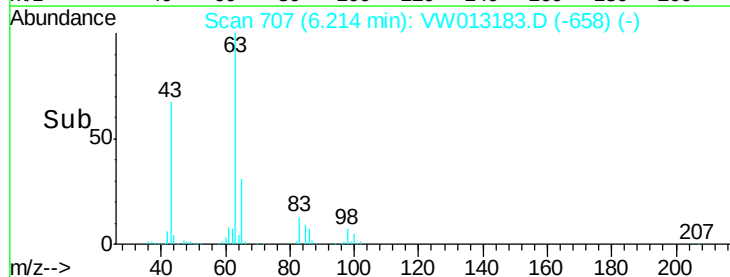
6.21

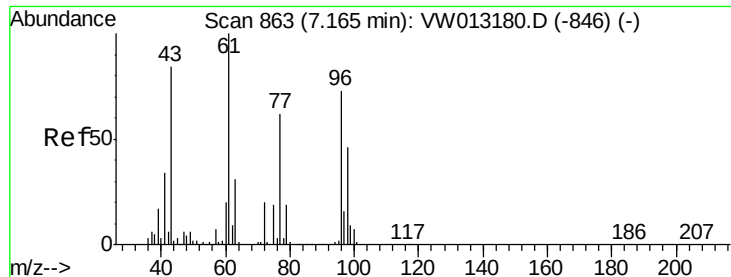
100000

50000

0

Time-->





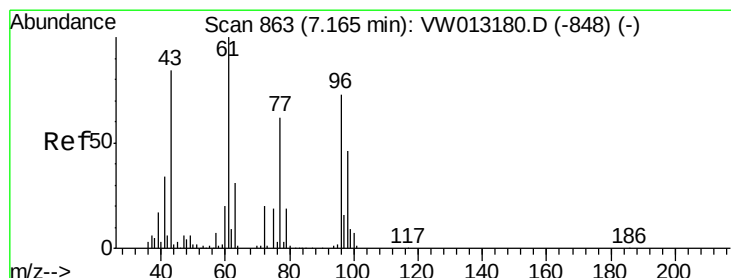
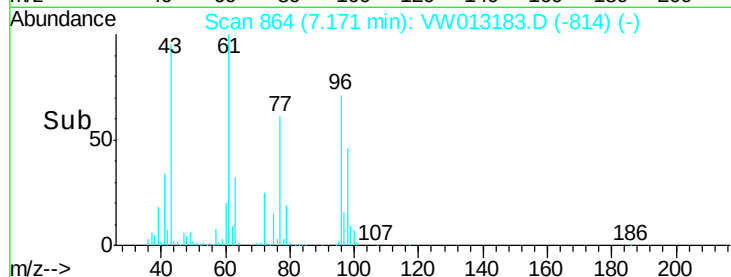
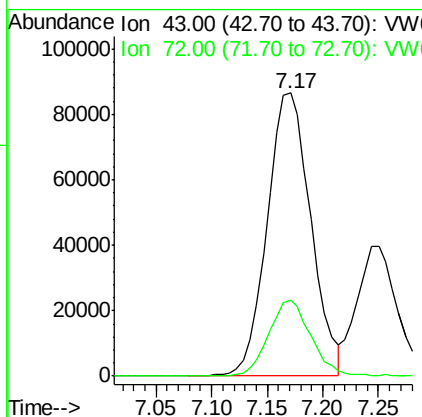
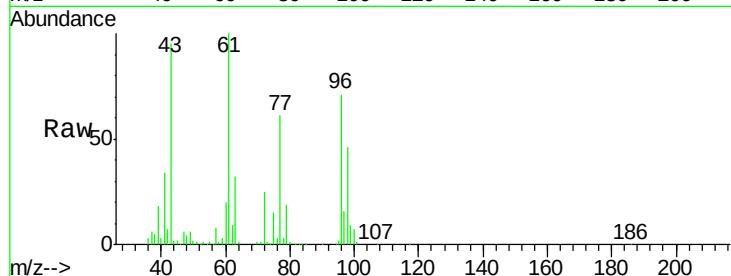
#25
2-Butanone
Concen: 224.132 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampled :
ICVW092019

Tot Ion	43	Resp	235377
Ion Ratio	Lower	Upper	
43	100		
72	26.9	19.4	29.0

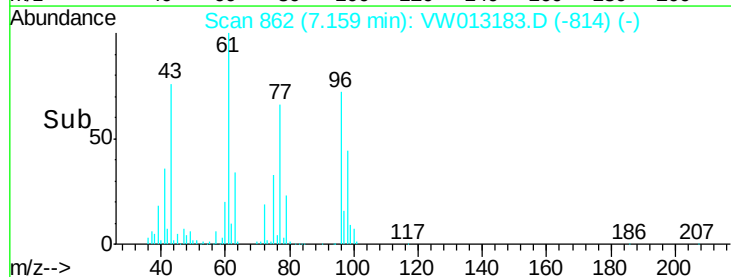
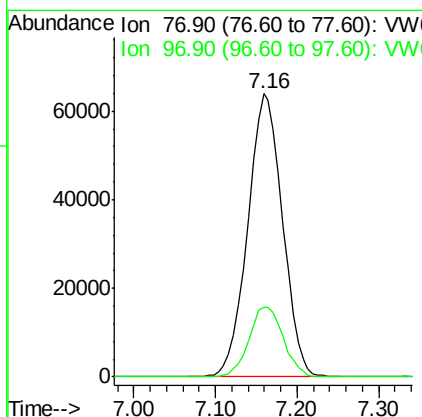
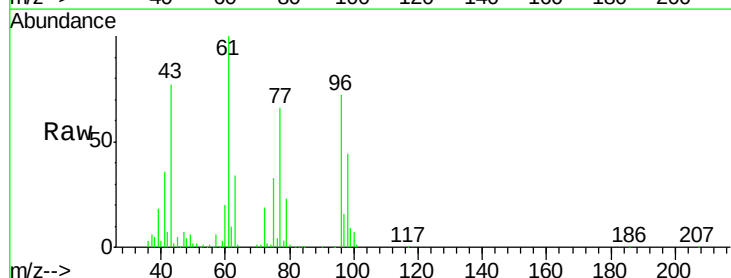
Manual Integrations
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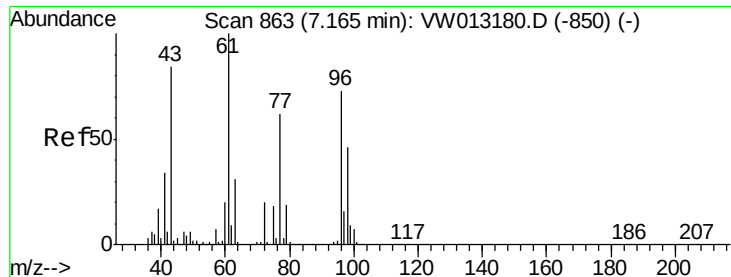
MMDadoda
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#26
2,2-Dichloropropane
Concen: 49.055 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	77	Resp	189578
Ion Ratio	Lower	Upper	
77	100		
97	24.3	11.8	35.4





#27

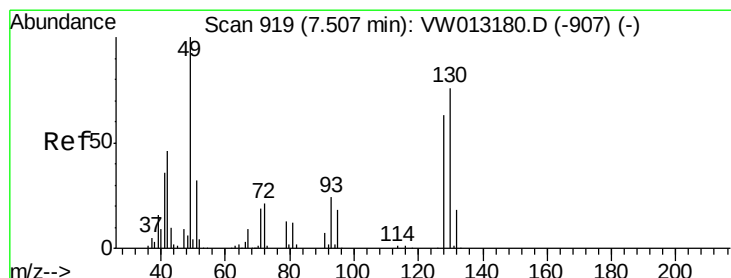
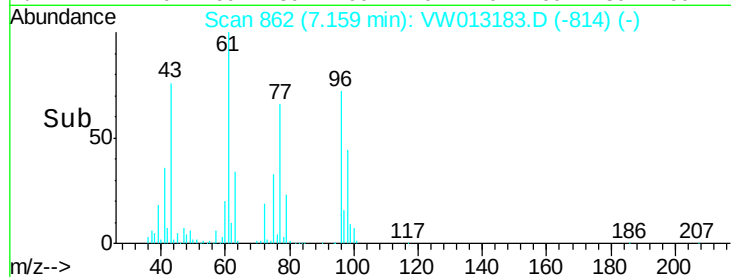
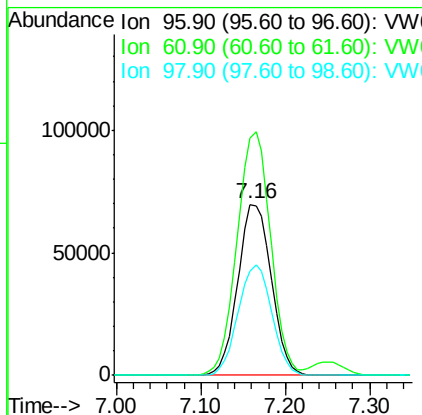
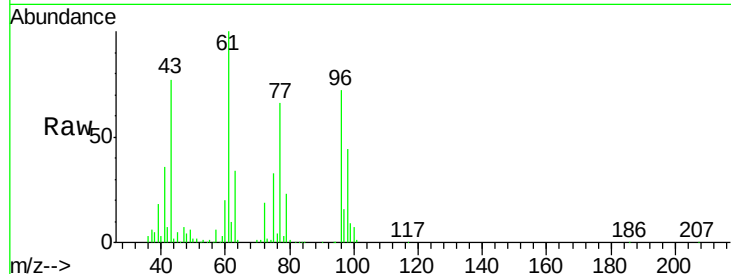
cis-1,2-Dichloroethene
Concen: 46.618 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion	Ratio	Resp	Lower	Upper
96	100	187826		
61	142.8	0.0	282.4	
98	64.9	0.0	128.2	

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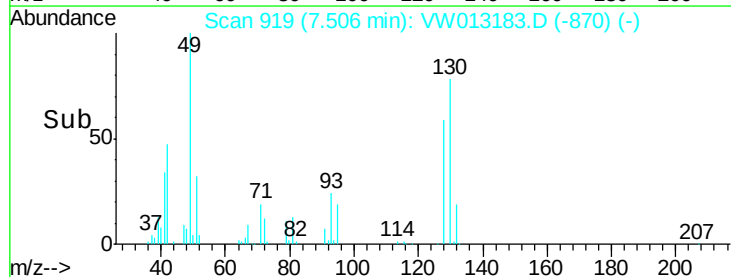
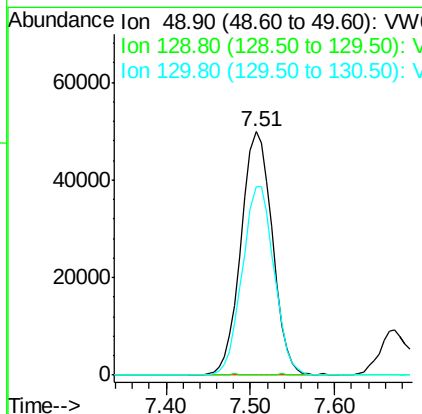
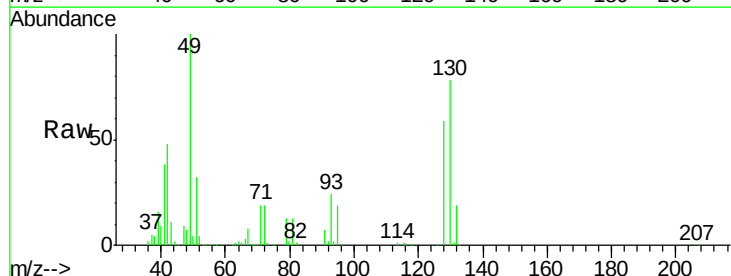
MMDadoda
9/24/2019 5:28:51 AM

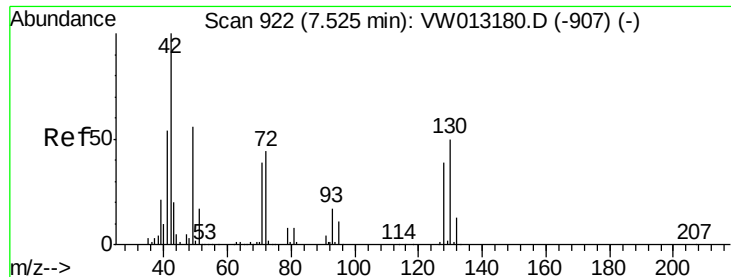


#28

Bromochloromethane
Concen: 50.633 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	125358		
129	0.0	0.0	1.0	
130	78.7	63.4	95.2	





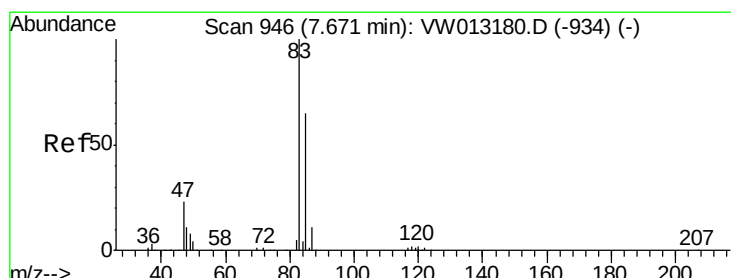
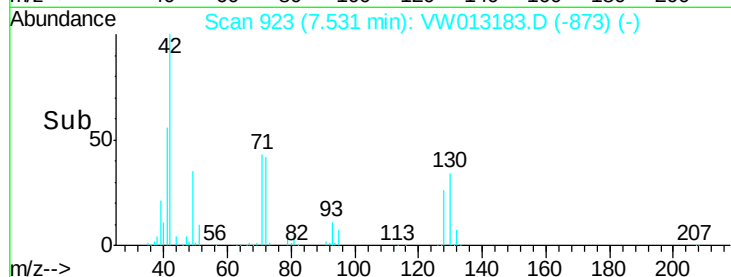
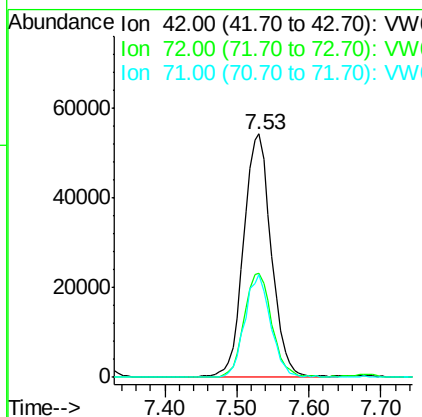
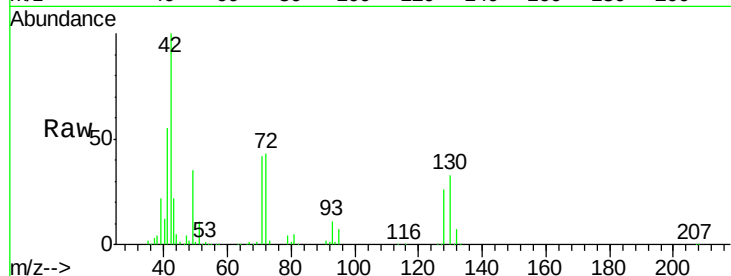
#29
Tetrahydrofuran
Concen: 225.981 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.9	50.9
71	39.6	31.9	47.9

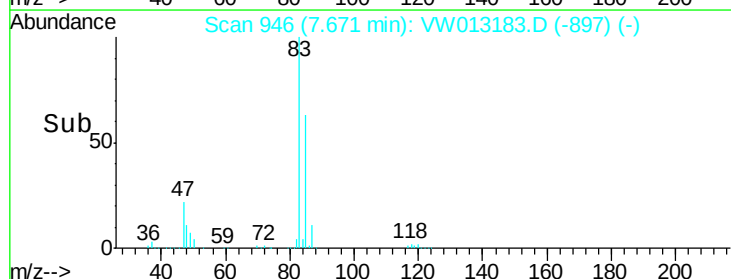
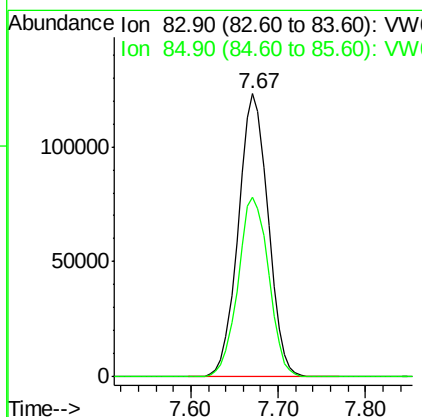
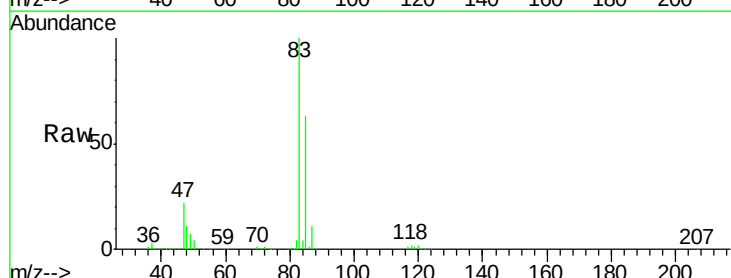
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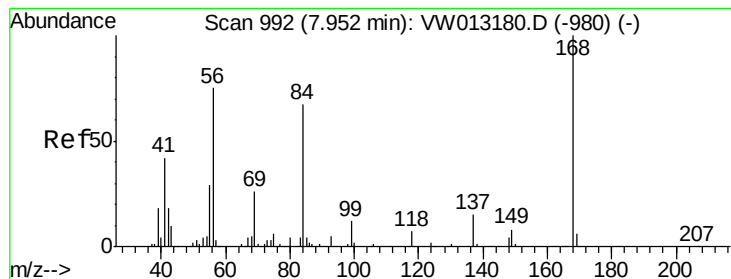
MMDadoda
9/24/2019 5:28:51 AM



#30
Chloroform
Concen: 46.141 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.3	78.5





#31

Cyclohexane

Concen: 46.119 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW092019

Tot Ion: 56 Resp: 310113

Ion Ratio Lower Upper

56 100

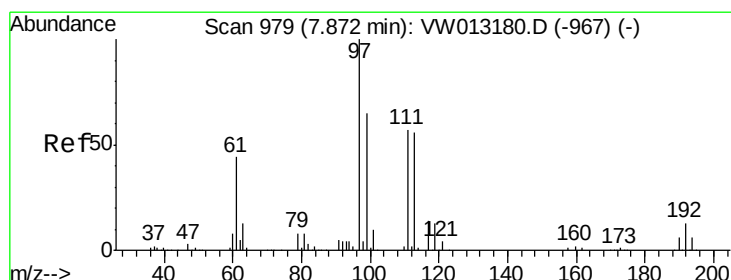
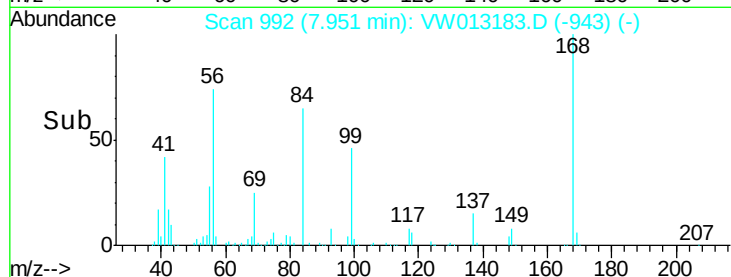
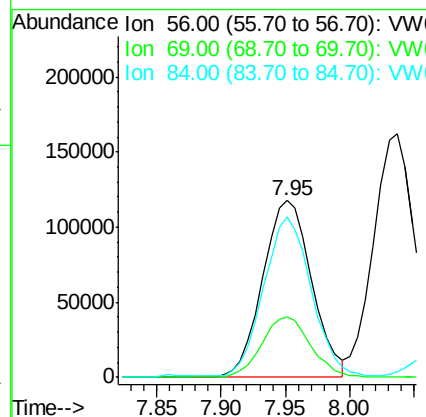
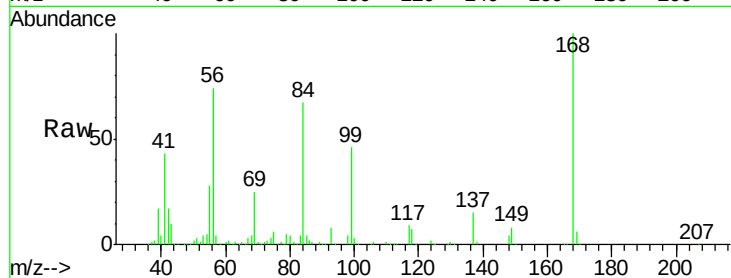
69 34.4 27.2 40.8

84 89.6 70.8 106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.253 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

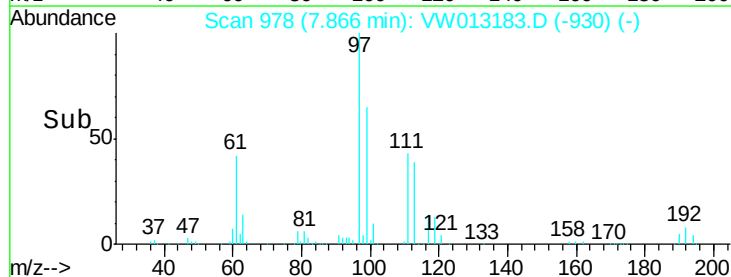
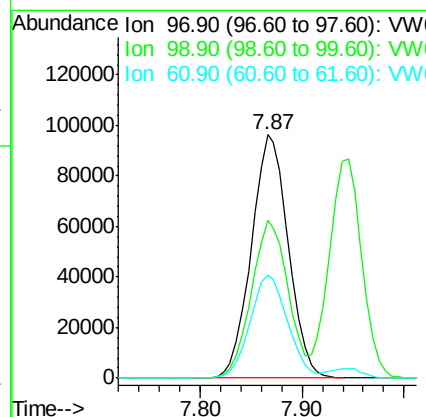
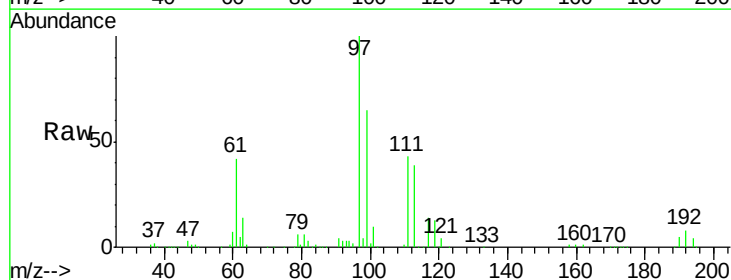
Tgt Ion: 97 Resp: 241702

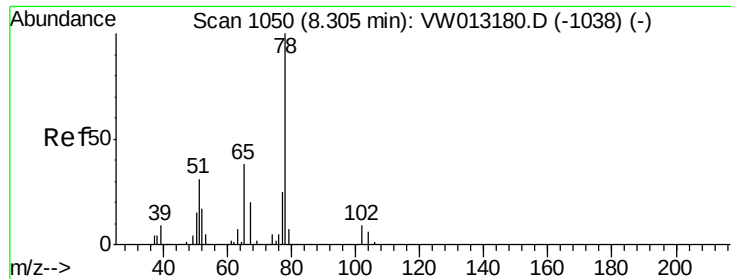
Ion Ratio Lower Upper

97 100

99 64.0 51.7 77.5

61 42.9 34.6 51.8





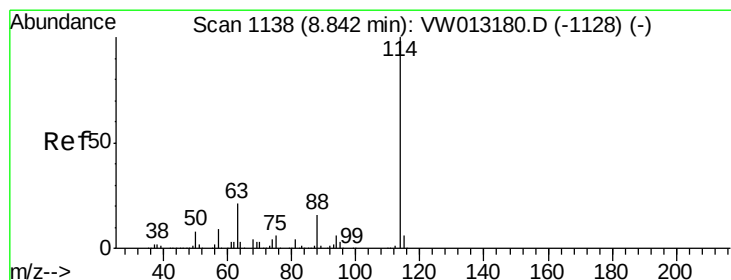
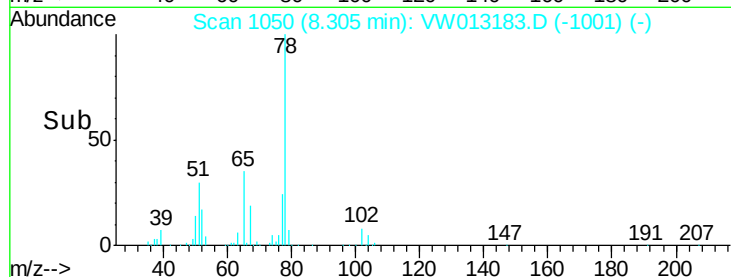
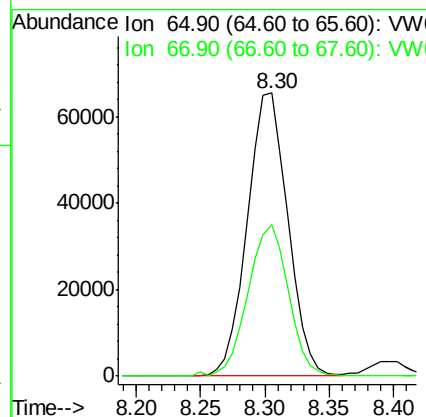
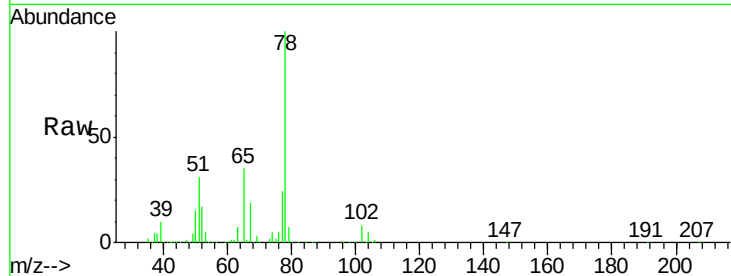
#33
 1,2-Dichloroethane-d4
 Concen: 46.070 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW092019

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142916		
67	53.4	0.0	106.2	

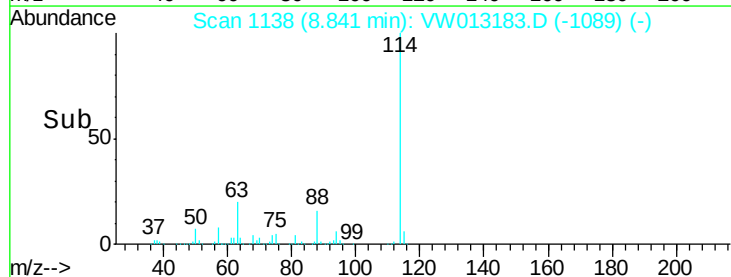
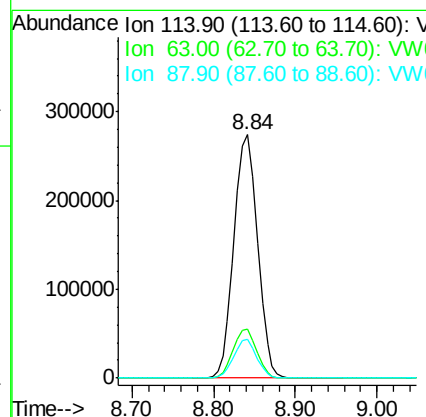
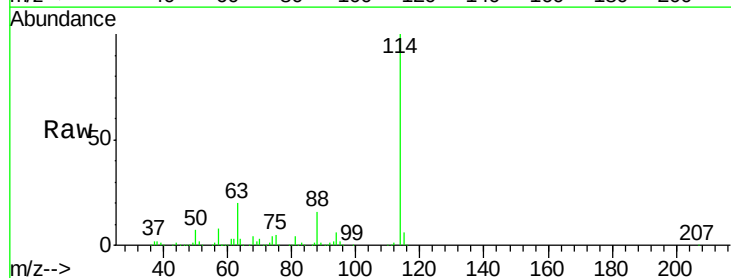
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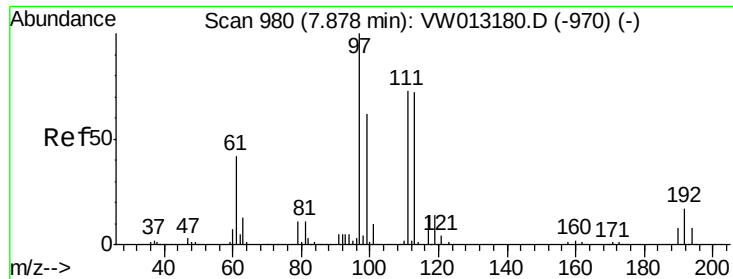
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	547785		
63	20.0	0.0	41.4	
88	15.9	0.0	32.0	





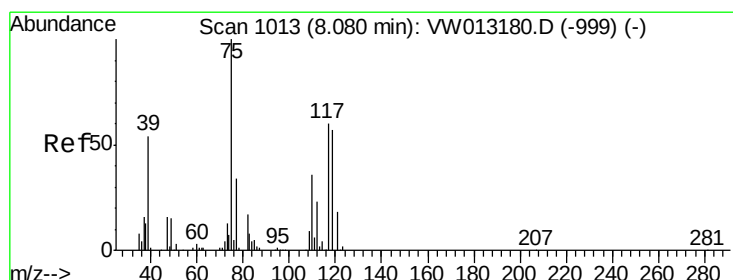
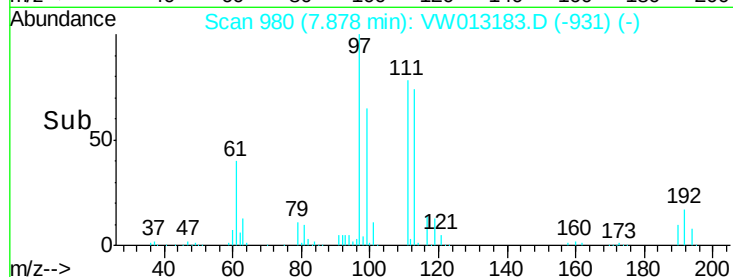
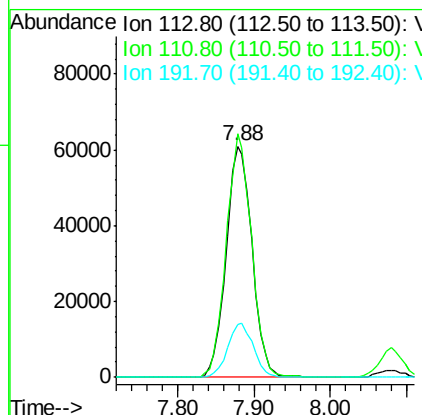
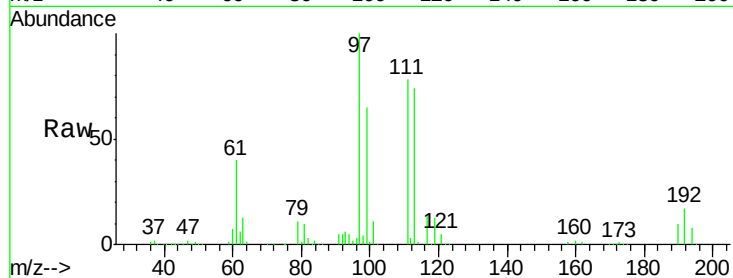
#35
 Dibromofluoromethane
 Concen: 47.354 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW092019

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142670		
111	102.6	81.9	122.9	
192	23.0	19.1	28.7	

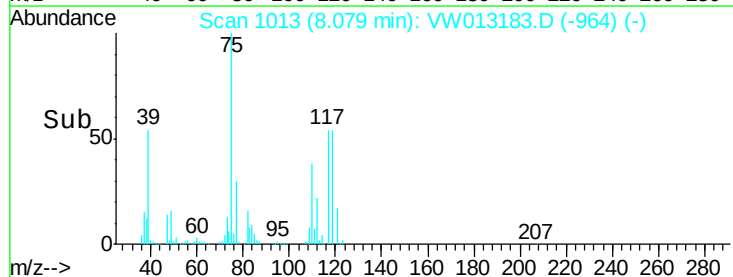
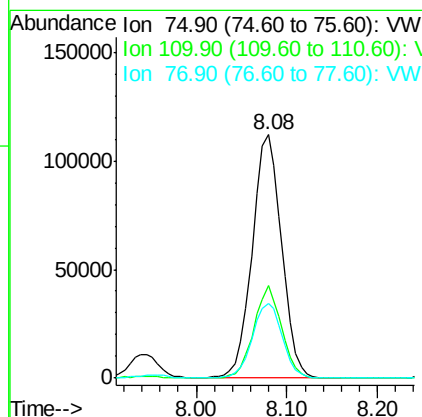
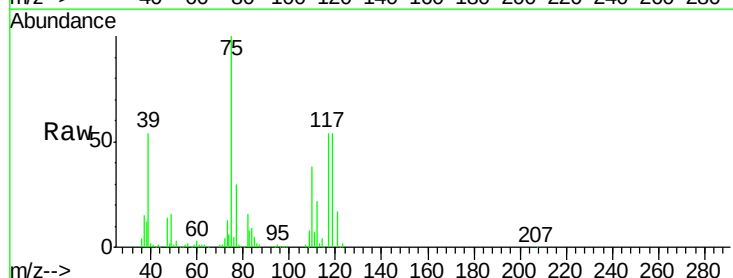
Manual Integrations
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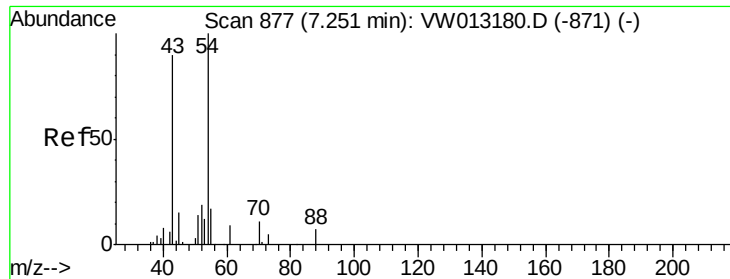
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 47.230 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	250588		
110	35.8	18.1	54.3	
77	31.5	25.8	38.6	





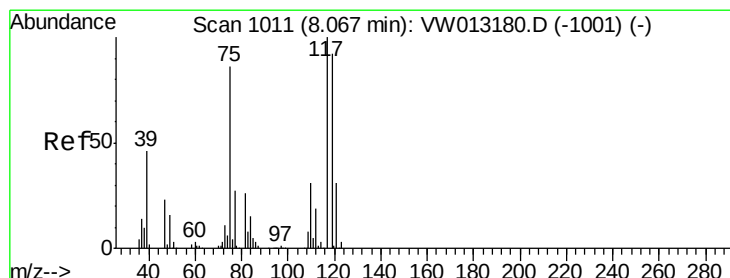
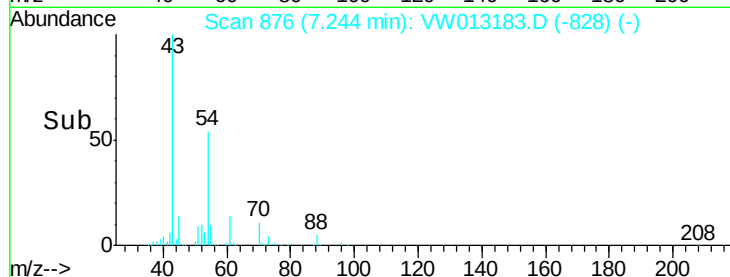
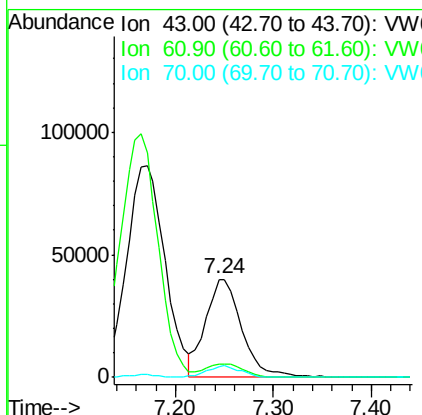
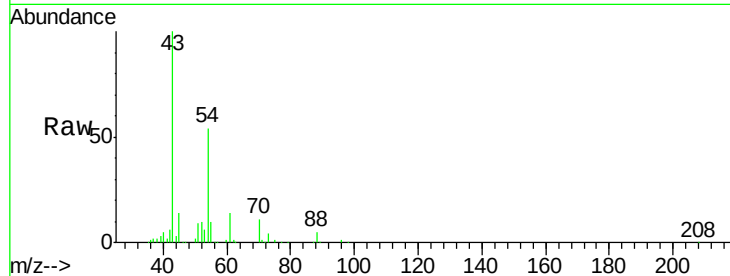
#37
Ethyl Acetate
Concen: 45.126 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampled :
ICVW092019

Tot Ion	Ratio	Resp	Lower	Upper
43	100	101755		
61	14.0		10.9	16.3
70	11.1		8.2	12.2

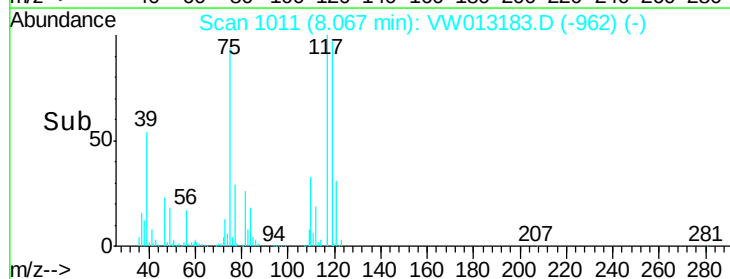
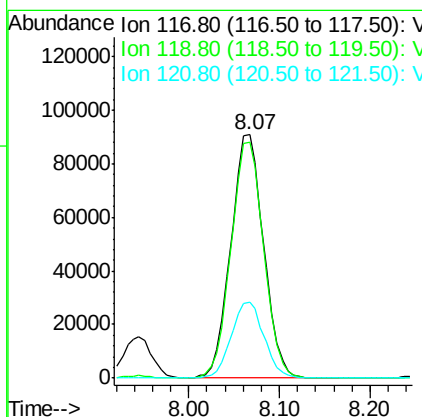
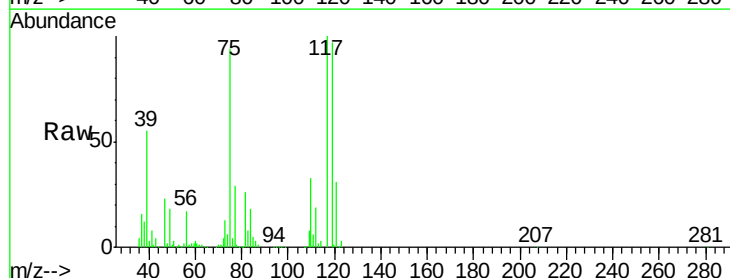
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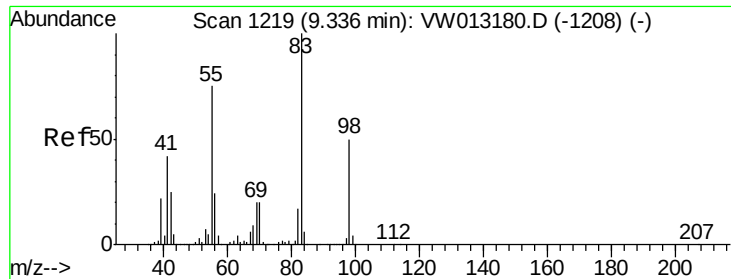
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.901 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	227824		
119	96.8		73.5	110.3
121	30.9		25.0	37.6





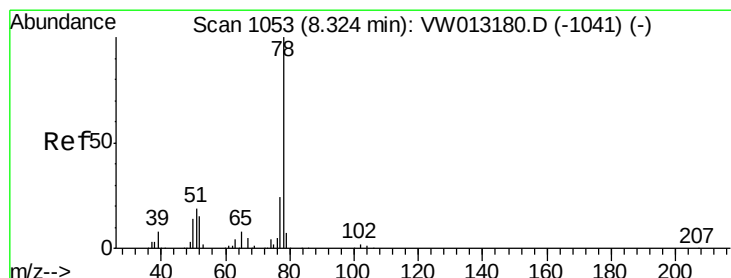
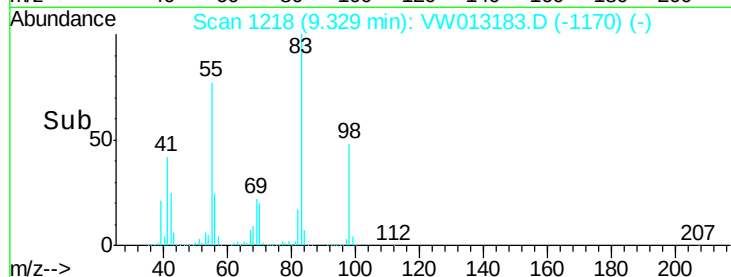
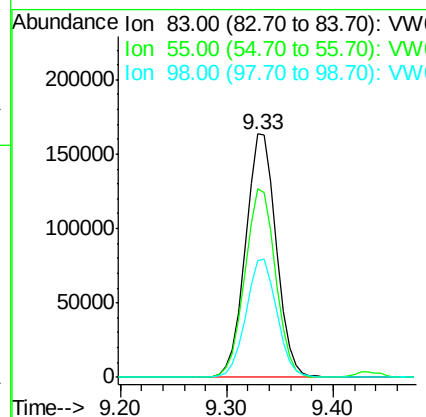
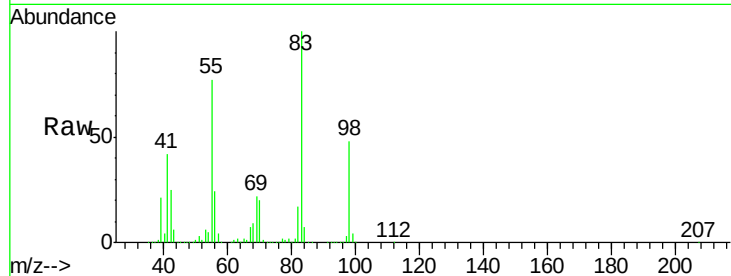
#39
Methvlcvclohexane
Concen: 48.771 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion	Ratio	Resp	Lower	Upper
83	100	332539		
55	77.4		60.4	90.6
98	47.8		40.0	60.0

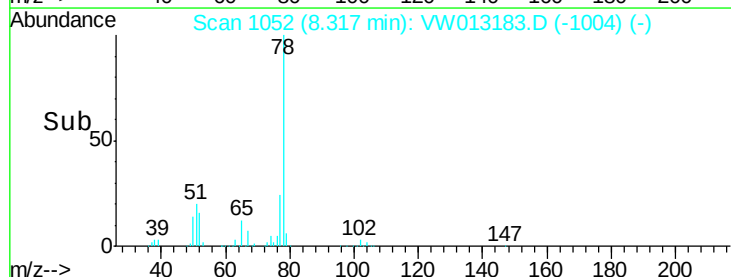
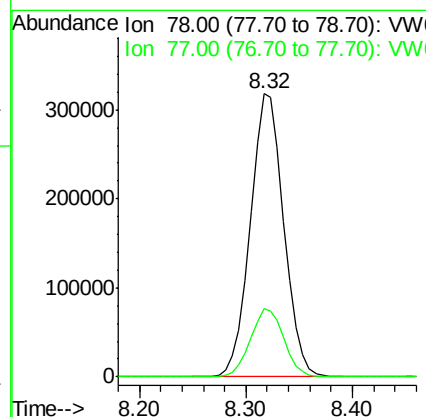
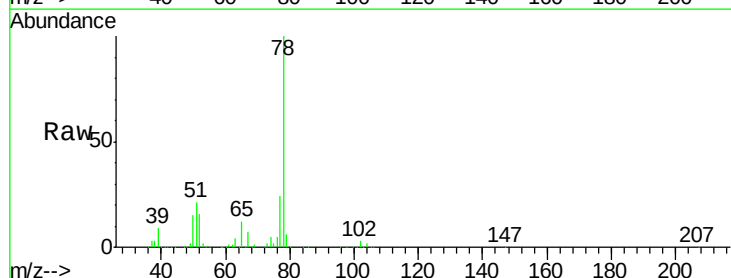
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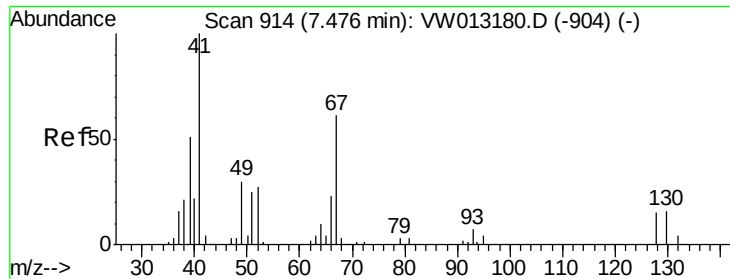
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#40
Benzene
Concen: 47.296 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	699939		
77	24.0		19.1	28.7





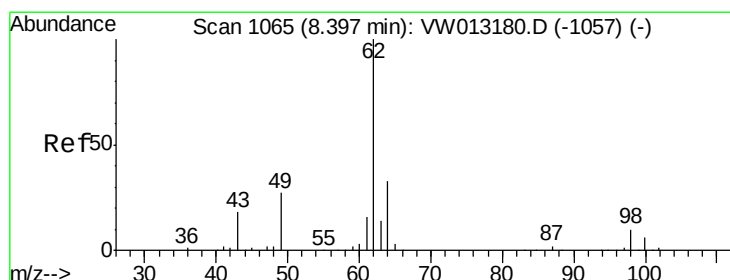
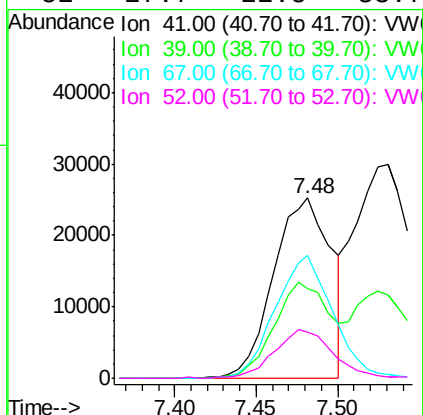
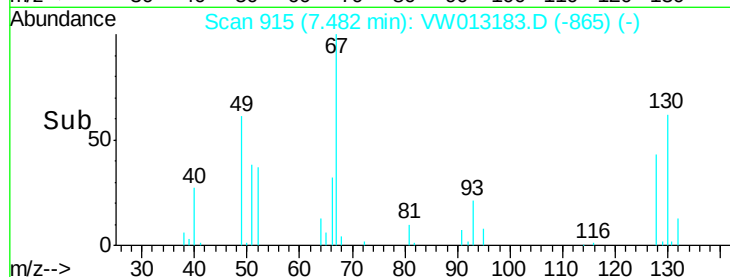
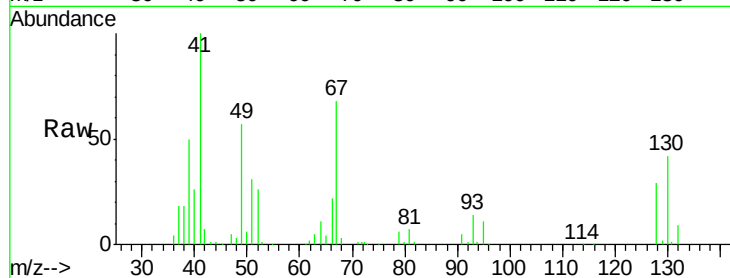
#41
Methacrylonitrile
Concen: 45.973 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.2	45.9	68.9
67	67.8	54.5	81.7
52	27.7	22.5	33.7

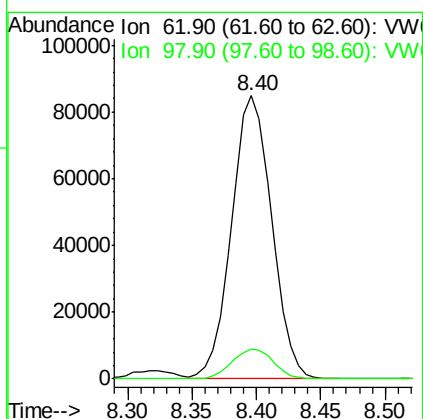
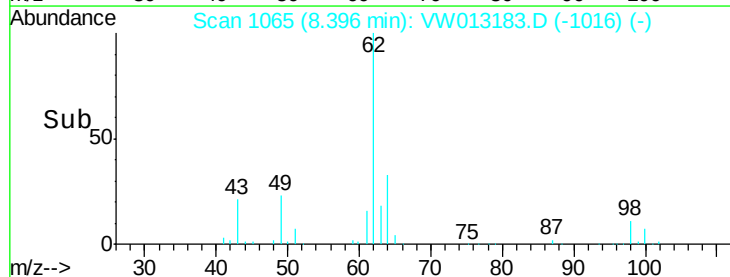
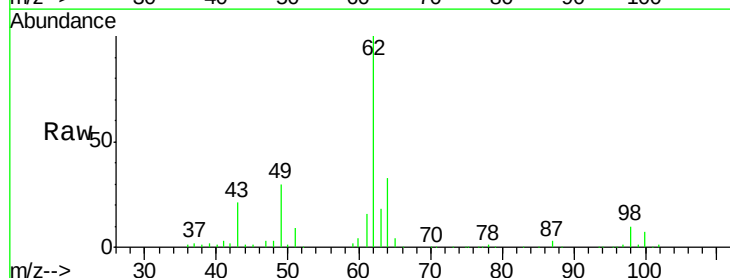
Manual Integrations
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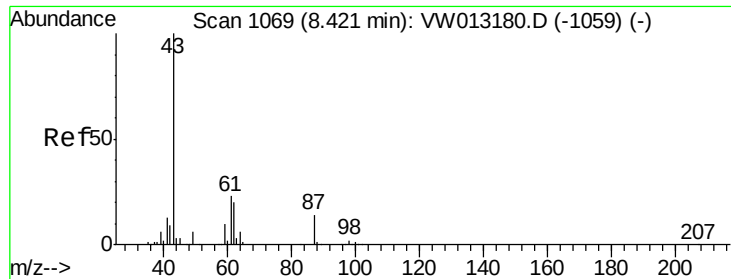
MMDadoda
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#42
1,2-Dichloroethane
Concen: 46.102 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.6





#43

Isopropyl Acetate

Concen: 45.726 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

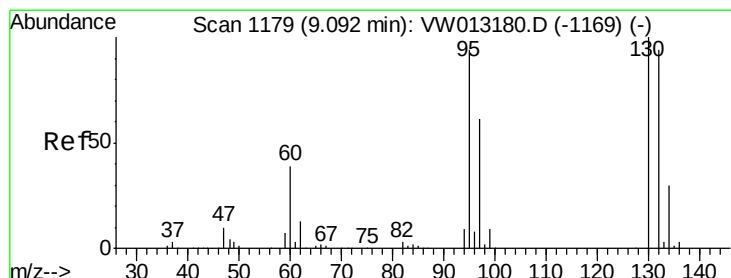
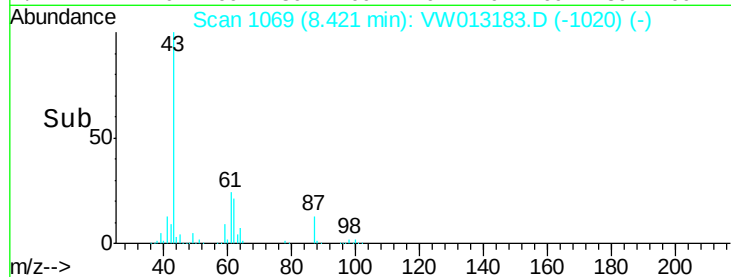
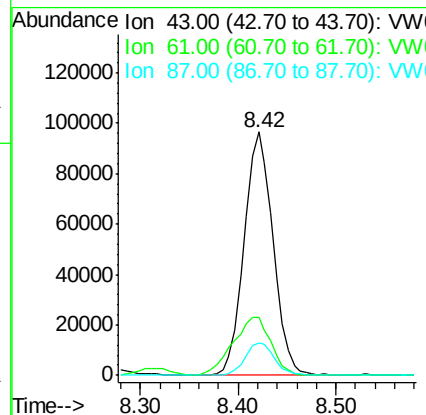
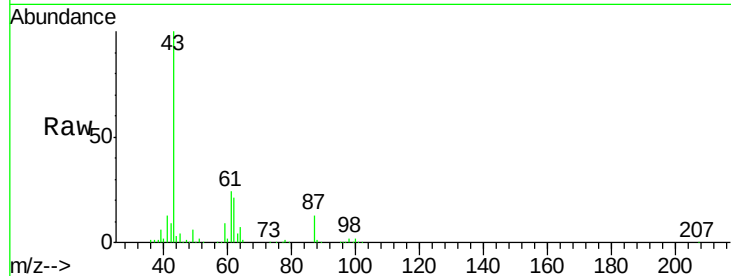
ClientSampleId :

ICVW092019

Tot Ion:	43	Resp:	197615
Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.5	38.3
87	13.6	11.0	16.4

Manual Integrations
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MMDadoda
9/24/2019 5:28:51 AM



#44

Trichloroethene

Concen: 47.287 ug/l

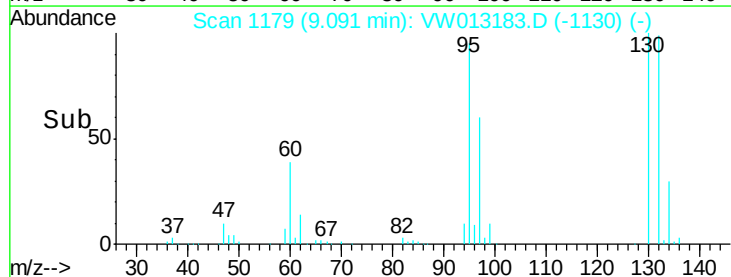
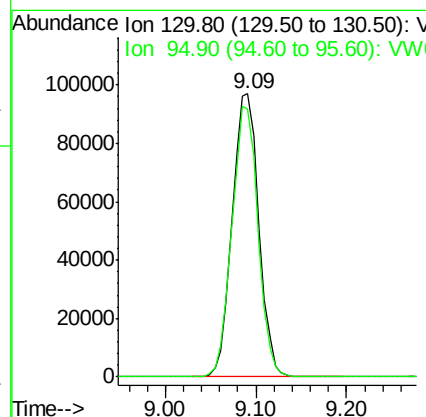
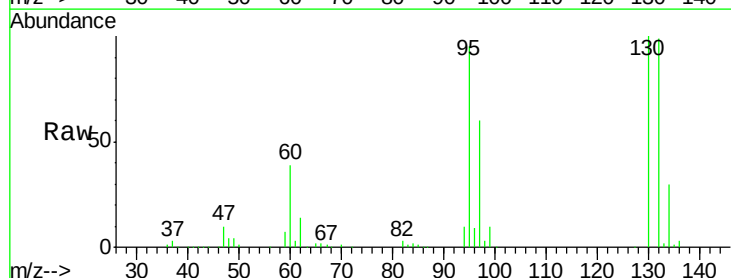
RT: 9.09 min Scan# 1179

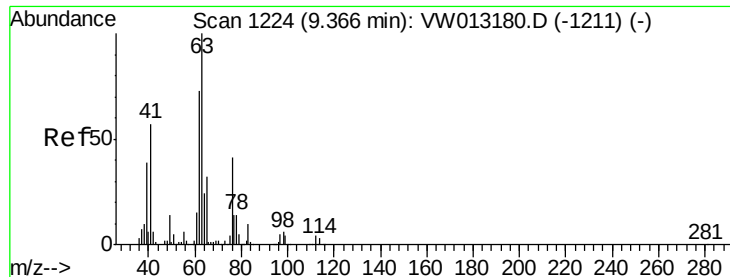
Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Tgt Ion:	130	Resp:	196346
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	188.0





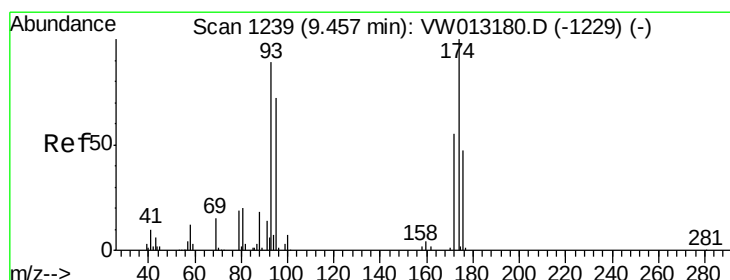
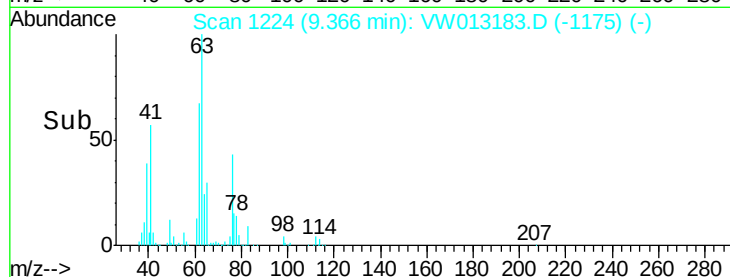
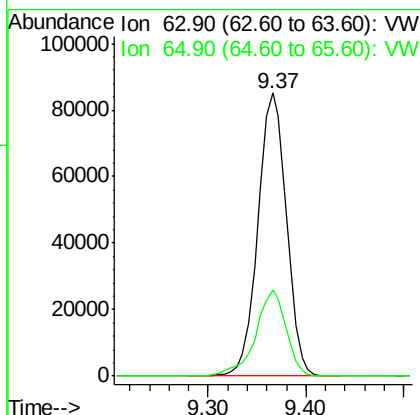
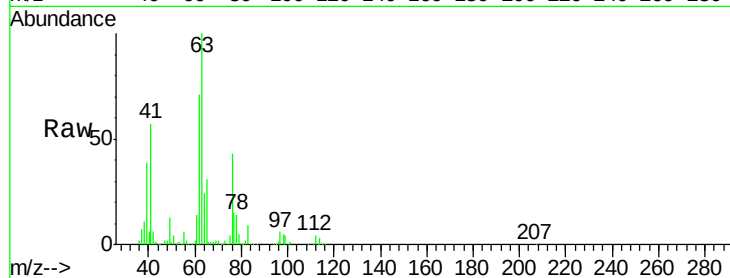
#45
 1,2-Dichloropropane
 Concen: 47.627 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW092019

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.3	37.9

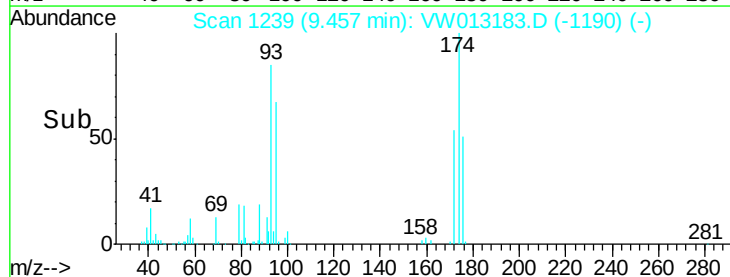
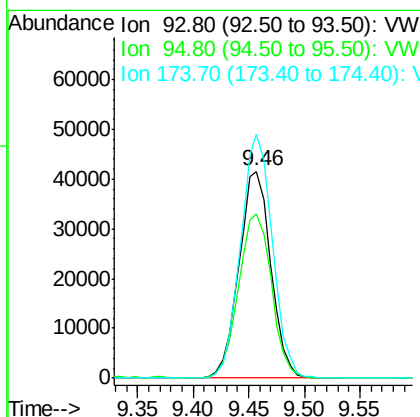
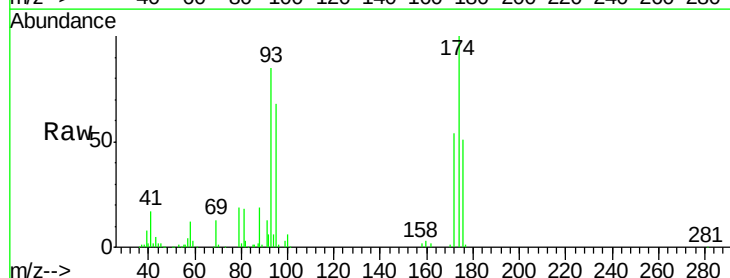
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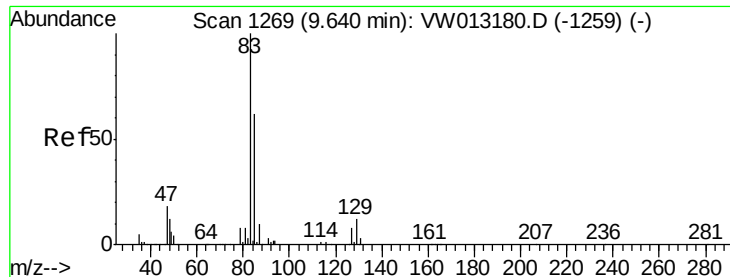
MMDadoda
 9/24/2019 5:28:51 AM



#46
 Dibromomethane
 Concen: 47.009 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.4	99.6
174	117.8	93.0	139.6





#47

Bromodichloromethane

Concen: 47.957 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

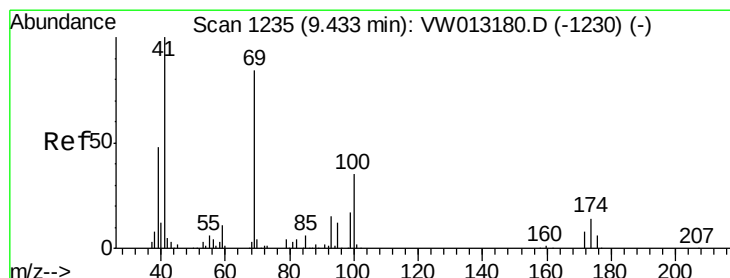
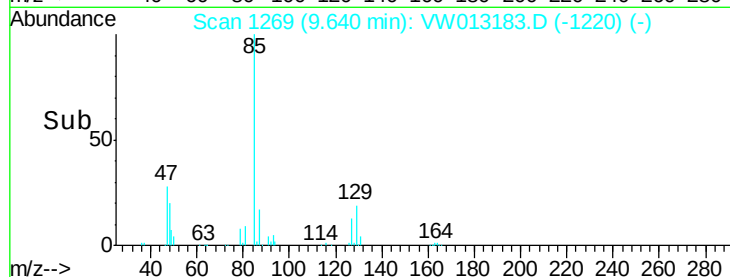
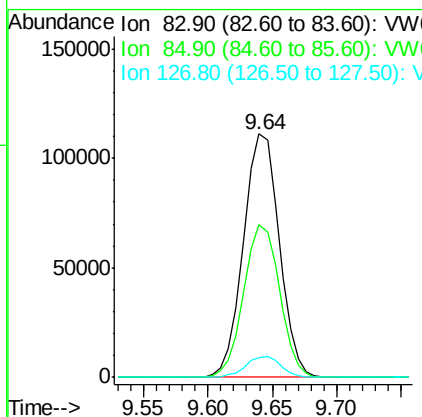
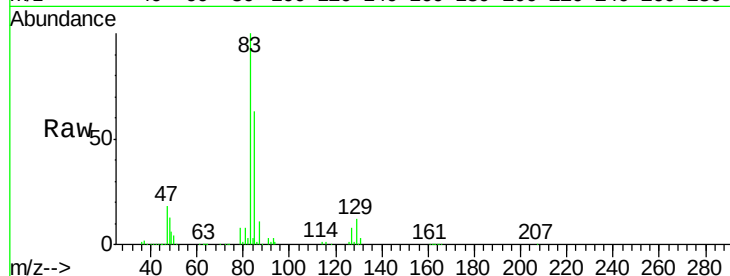
ClientSampleId :

ICVW092019

Tot Ion:	83	Resp:	214055
Ion	Ratio	Lower	Upper
83	100		
85	62.5	49.4	74.2
127	8.3	6.5	9.7

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#48

Methyl methacrylate

Concen: 49.749 ug/l

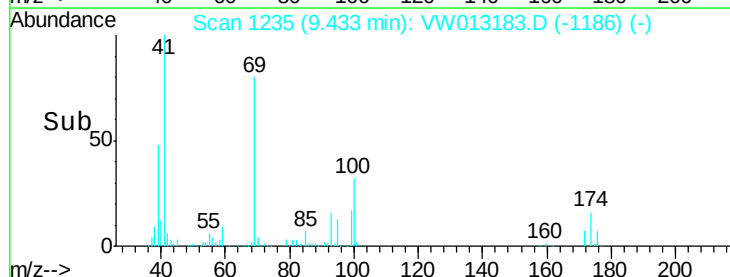
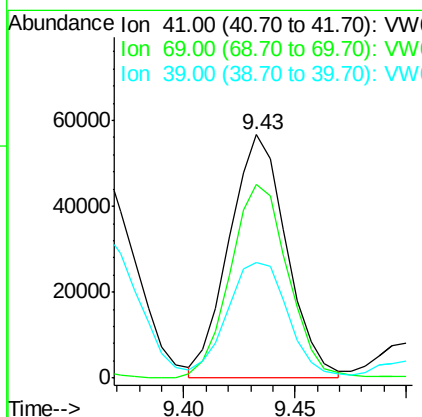
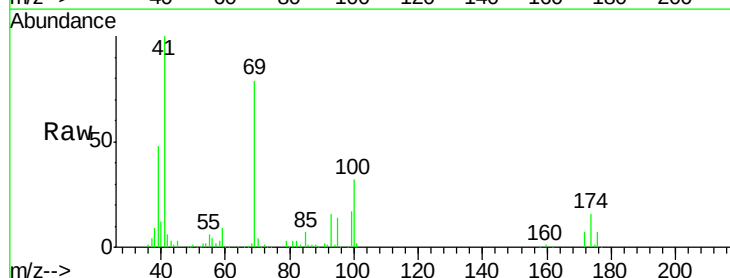
RT: 9.43 min Scan# 1235

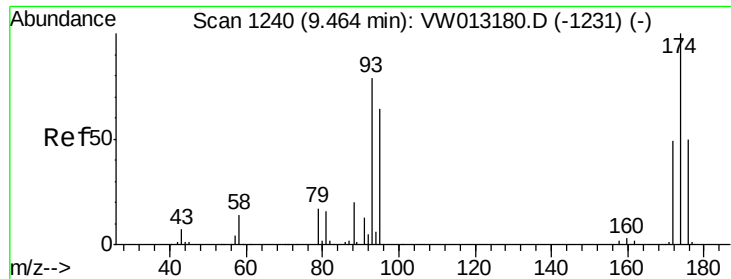
Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Tgt Ion:	41	Resp:	101099
Ion	Ratio	Lower	Upper
41	100		
69	80.5	69.7	104.5
39	47.8	41.1	61.7





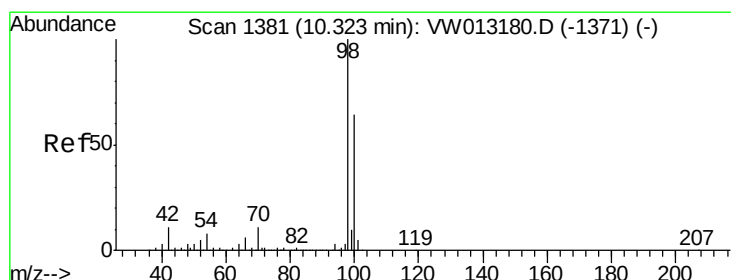
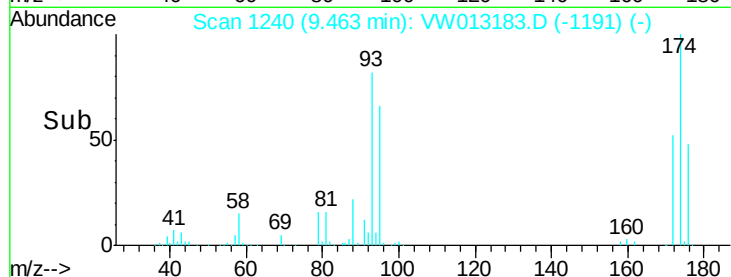
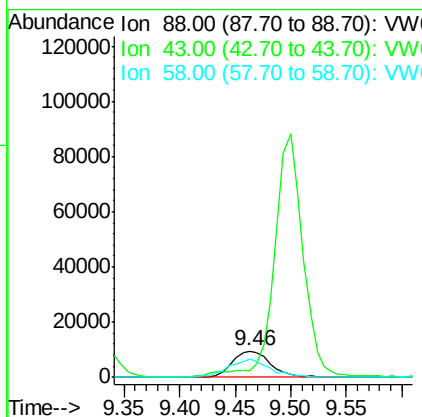
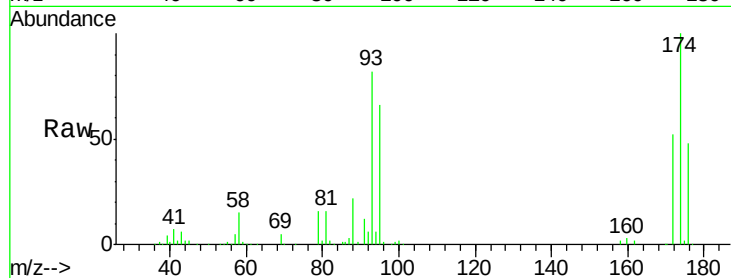
#49
1,4-Dioxane
Concen: 874.296 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	73.2	65.4	98.0

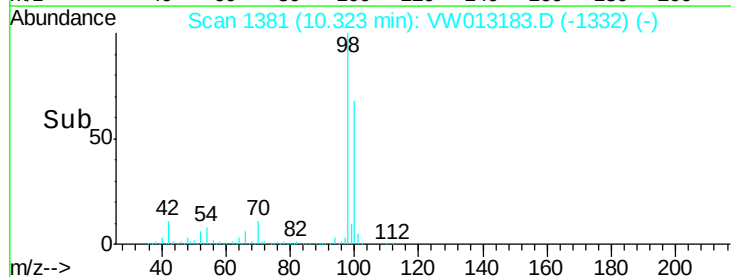
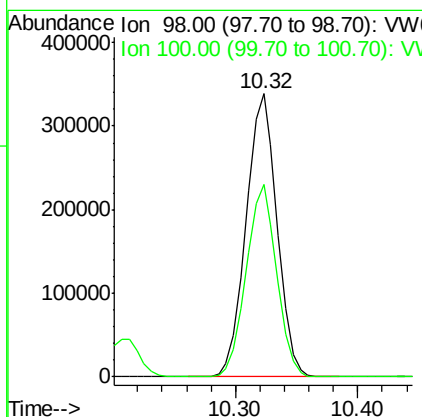
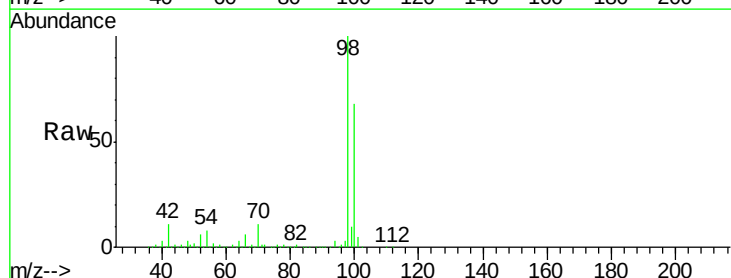
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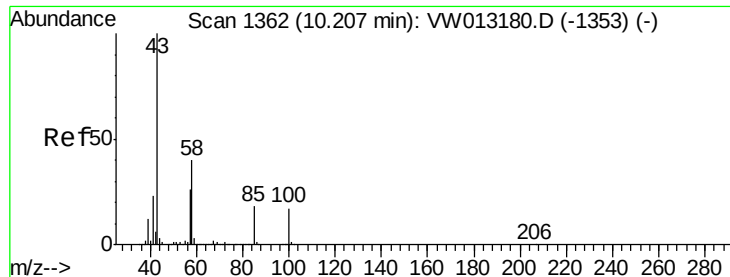
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#50
Toluene-d8
Concen: 47.136 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 227.362 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW092019

Tot Ion: 43 Resp: 492601

Ion Ratio Lower Upper

43 100

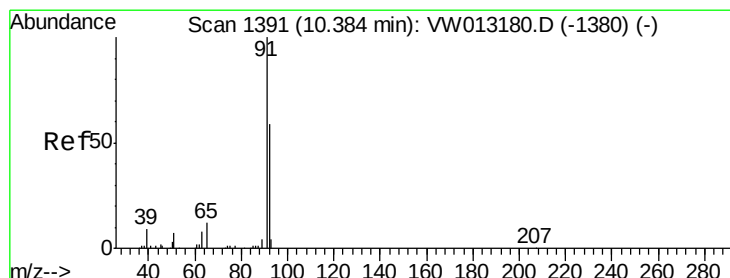
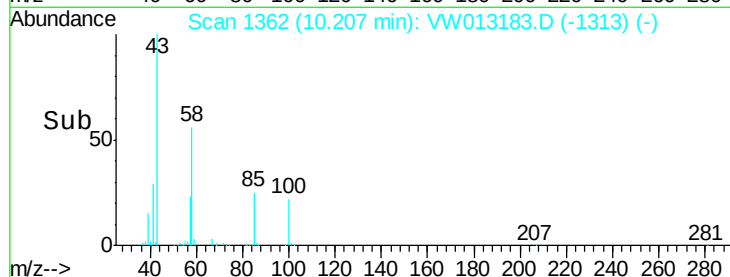
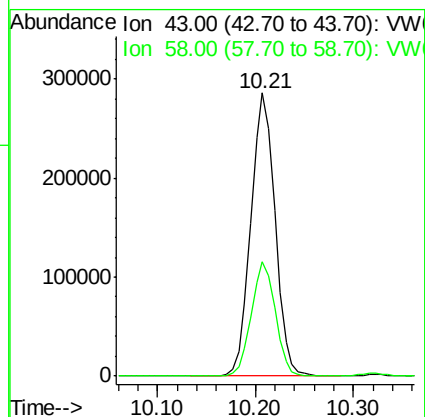
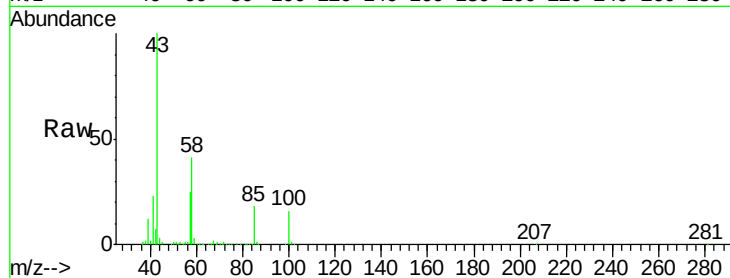
58 40.3 31.7 47.5

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#52

Toluene

Concen: 47.528 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013183.D

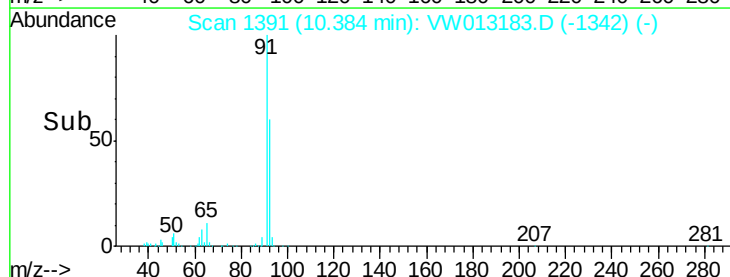
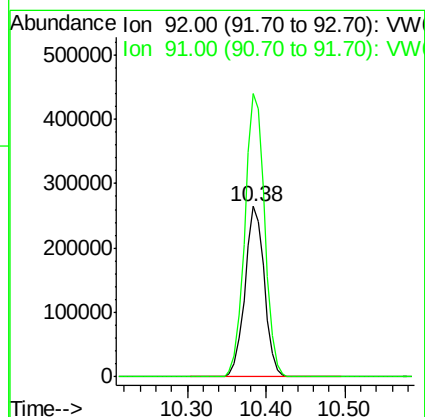
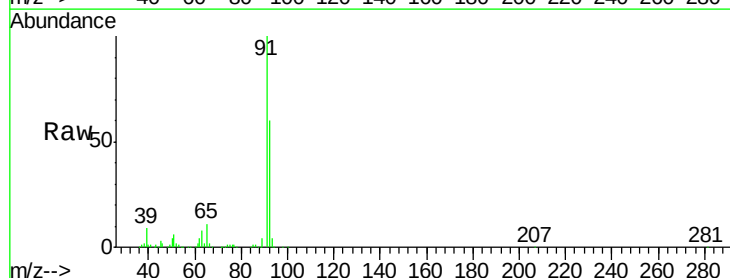
Acq: 20 Sep 2019 15:34

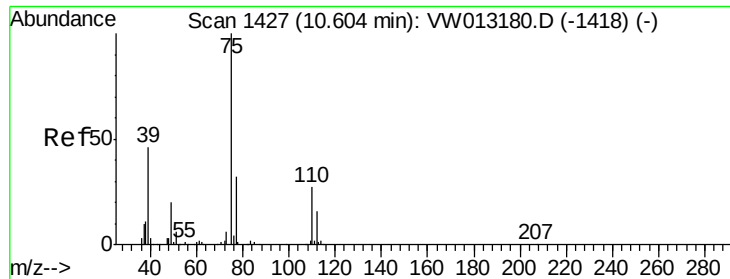
Tgt Ion: 92 Resp: 450784

Ion Ratio Lower Upper

92 100

91 169.3 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 48.697 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampled :

ICVW092019

Tot Ion: 75 Resp: 223312

Ion Ratio Lower Upper

75 100

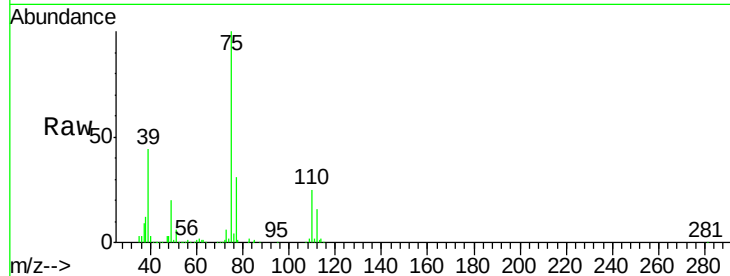
77 30.5 25.5 38.3

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

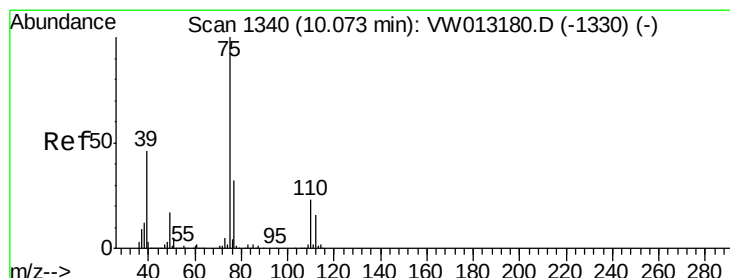
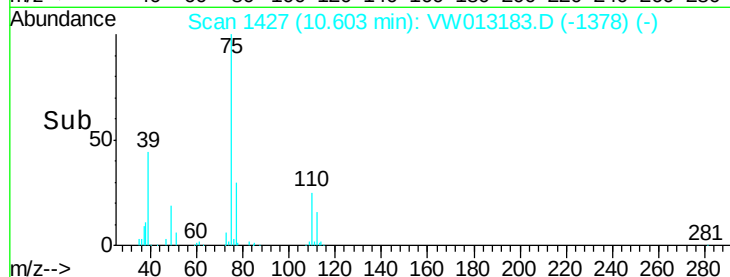
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 48.791 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

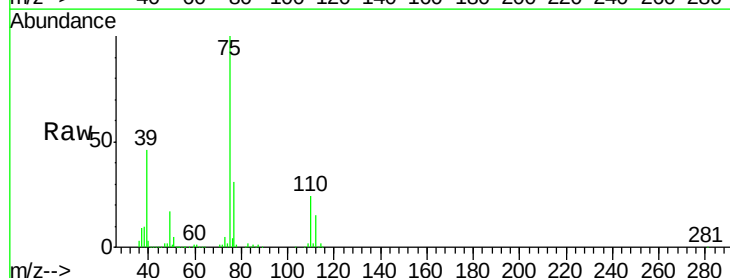
Tgt Ion: 75 Resp: 272044

Ion Ratio Lower Upper

75 100

77 30.6 25.2 37.8

39 45.9 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

200000

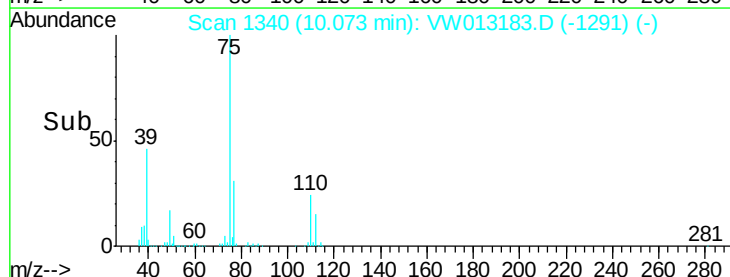
150000

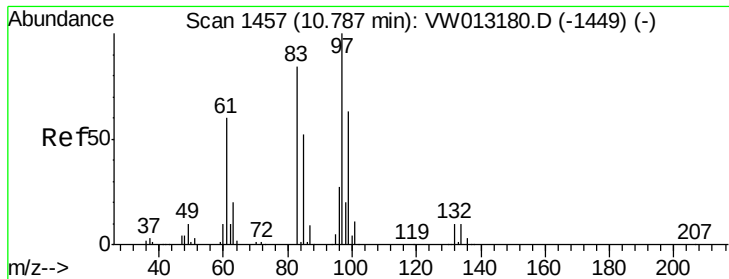
100000

50000

0

Time--> 10.00 10.10





#55

1,1,2-Trichloroethane

Concen: 46.420 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

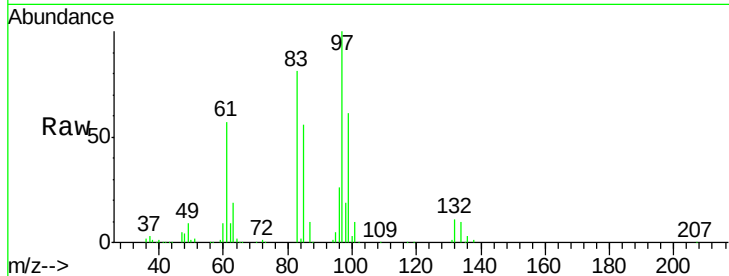
ClientSampleId :

ICVW092019

Tot Ion:	97	Resp:	121707
Ion	Ratio	Lower	Upper
97	100		
83	81.1	67.6	101.4
85	56.3	41.9	62.9
99	61.1	50.1	75.1

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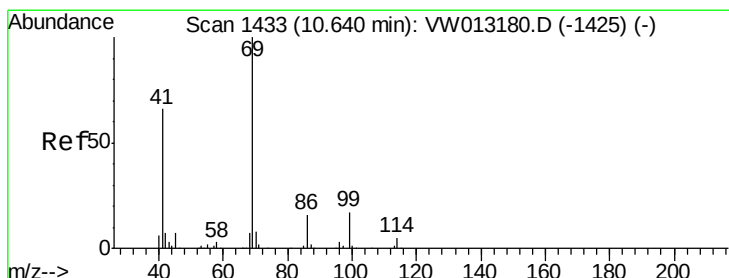
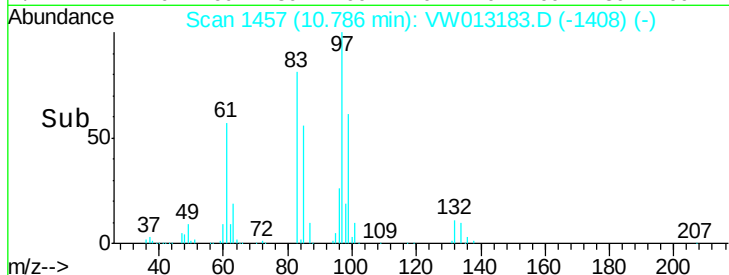
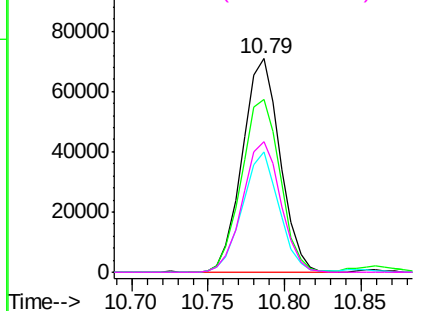


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 47.862 ug/l

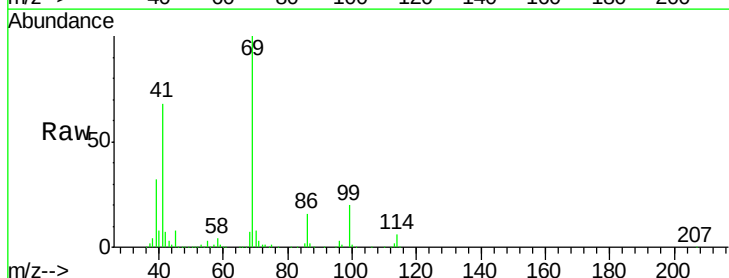
RT: 10.65 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

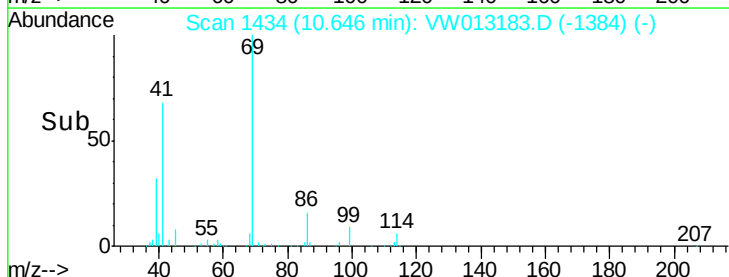
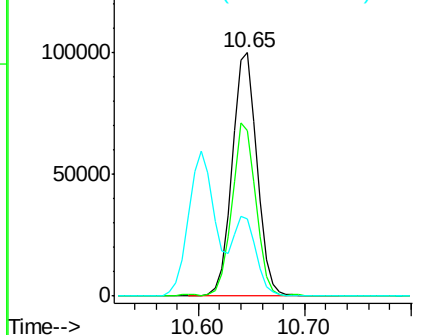
Tgt Ion:	69	Resp:	164229
Ion	Ratio	Lower	Upper
69	100		
41	67.8	53.9	80.9
39	28.5	23.8	35.6

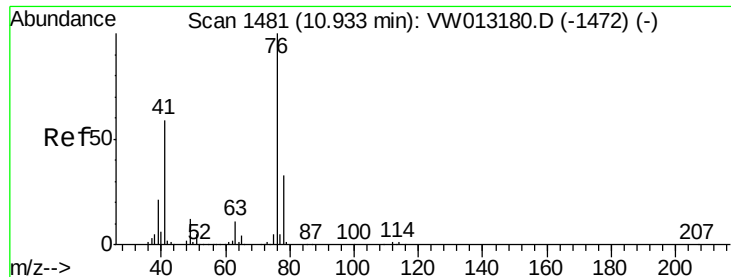


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 46.573 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampled :

ICVW092019

Tot Ion: 76 Resp: 213084

Ion Ratio Lower Upper

76 100

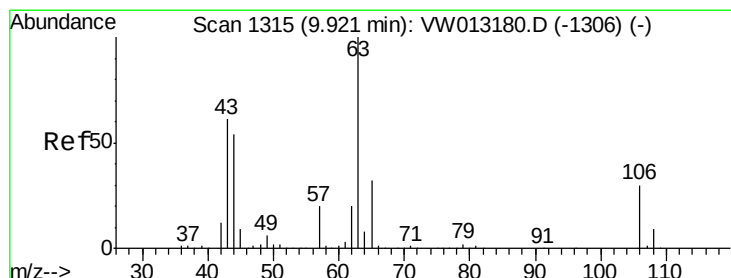
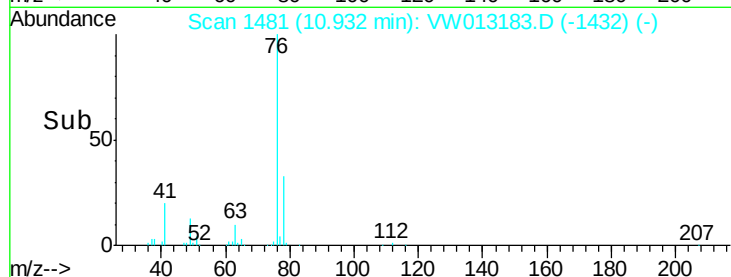
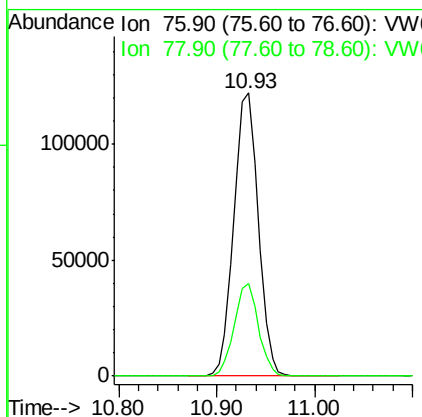
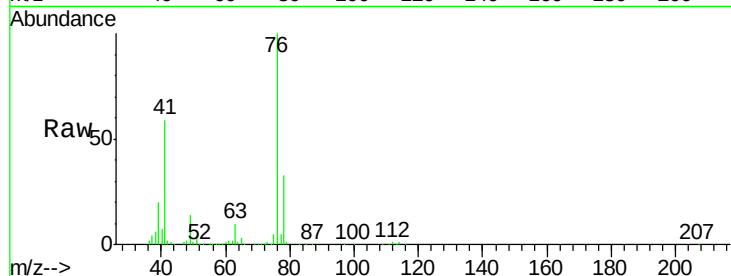
78 32.4 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 246.263 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013183.D

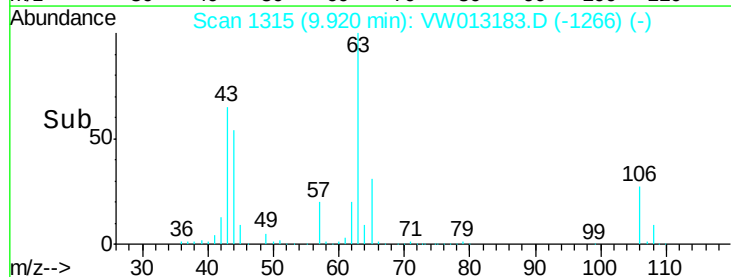
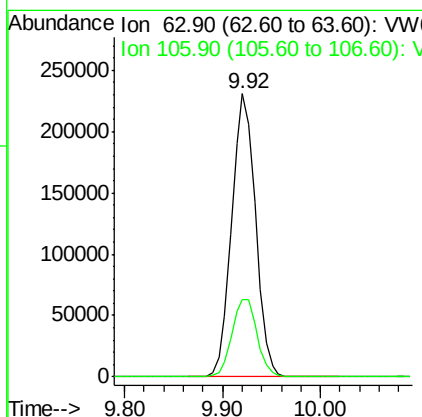
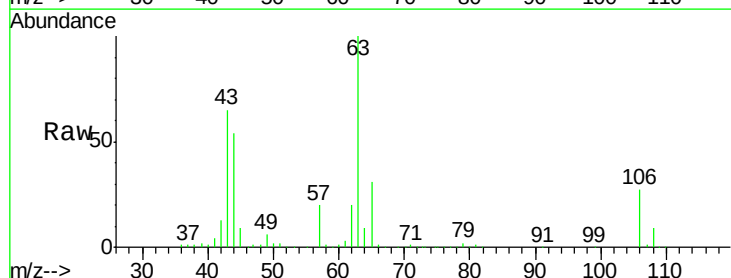
Acq: 20 Sep 2019 15:34

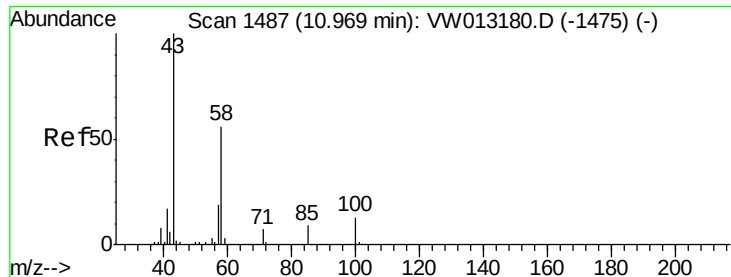
Tgt Ion: 63 Resp: 391193

Ion Ratio Lower Upper

63 100

106 28.8 23.4 35.0





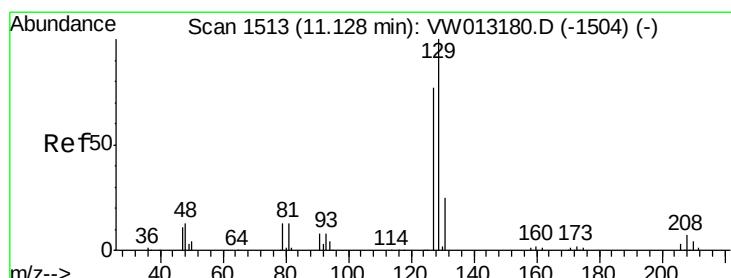
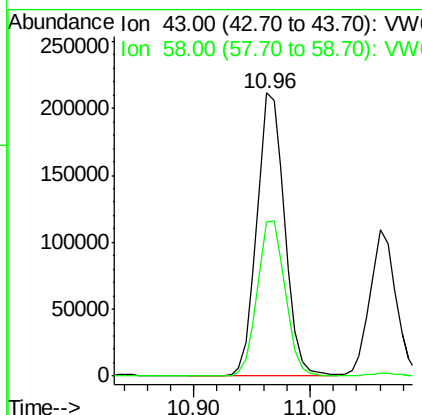
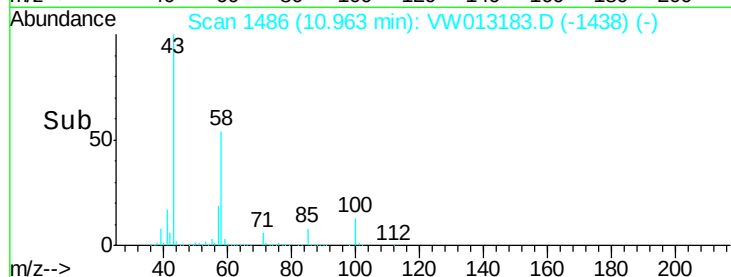
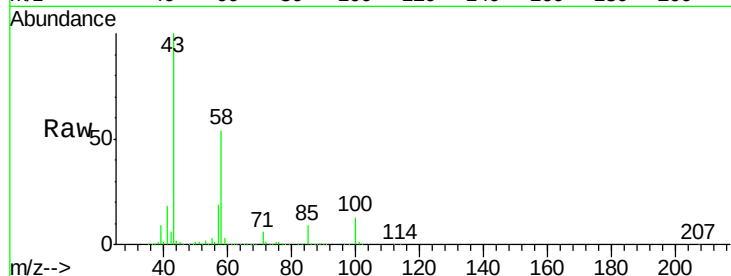
#59
2-Hexanone
Concen: 236.976 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion: 43 Resp: 353238
Ion Ratio Lower Upper
43 100
58 55.4 28.1 84.2

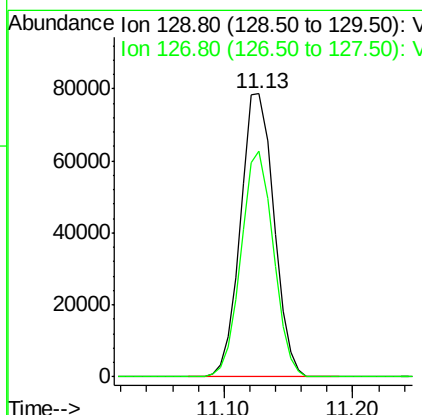
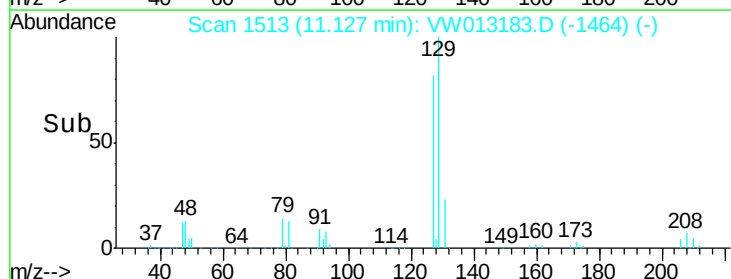
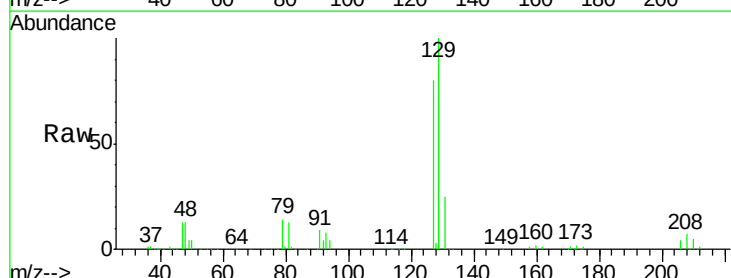
Manual Integrations
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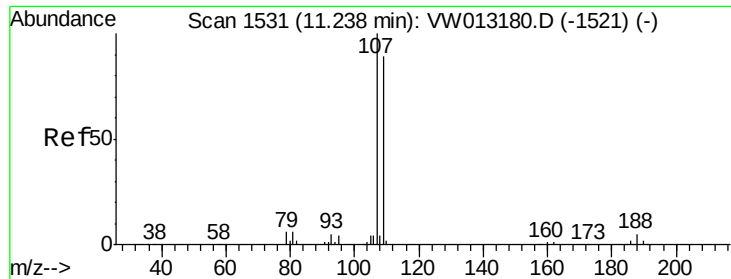
MMDadoda
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#60
Dibromochloromethane
Concen: 47.530 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion: 129 Resp: 141501
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.4





#61

1,2-Dibromoethane

Concen: 46.408 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW092019

Tot Ion: 107 Resp: 115690

Ion Ratio Lower Upper

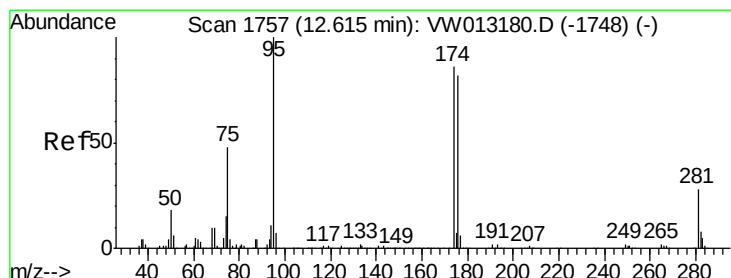
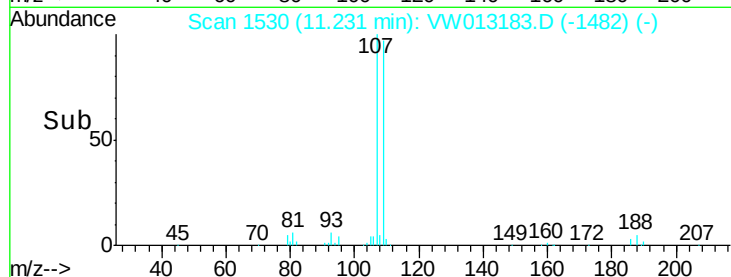
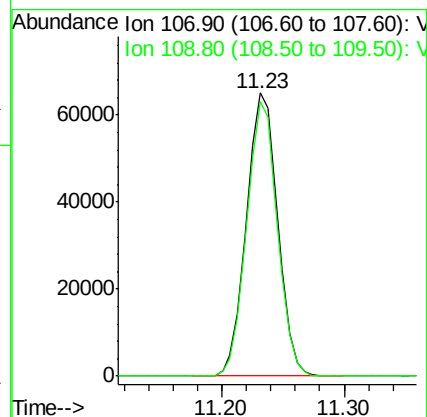
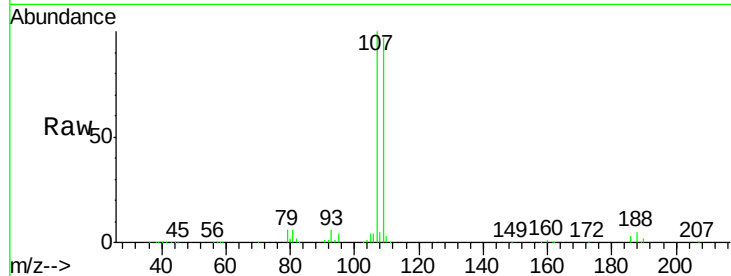
107 100

109 95.2 75.2 112.8

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 46.925 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

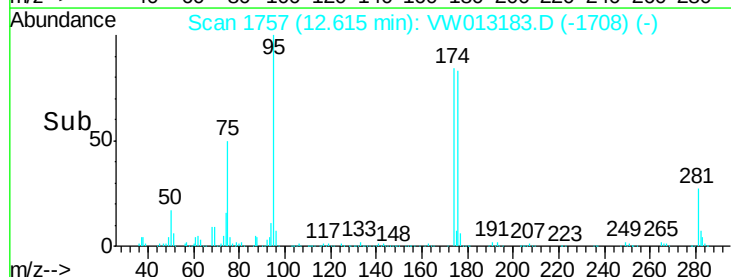
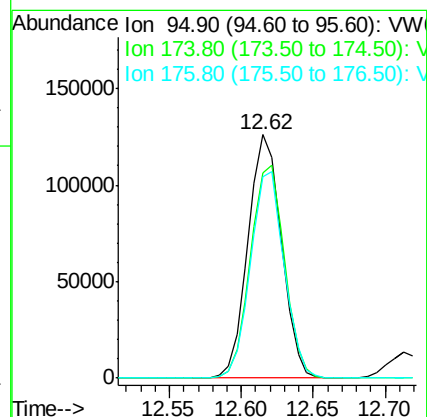
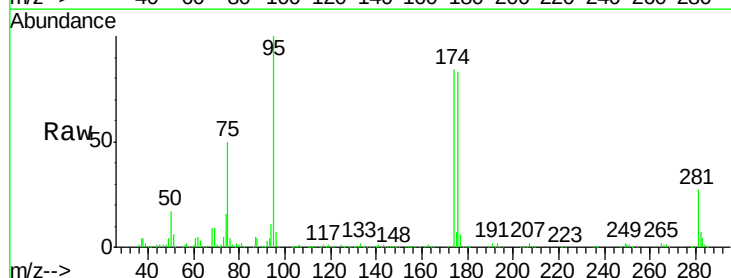
Tgt Ion: 95 Resp: 202111

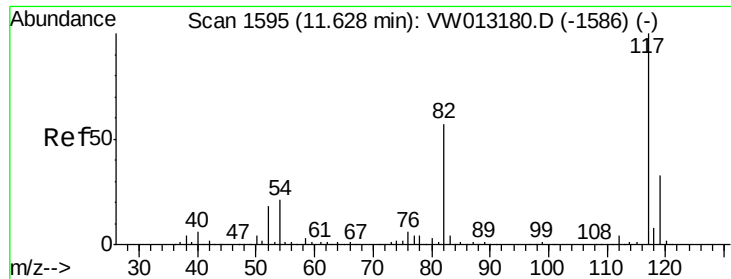
Ion Ratio Lower Upper

95 100

174 89.0 0.0 178.4

176 85.5 0.0 172.2





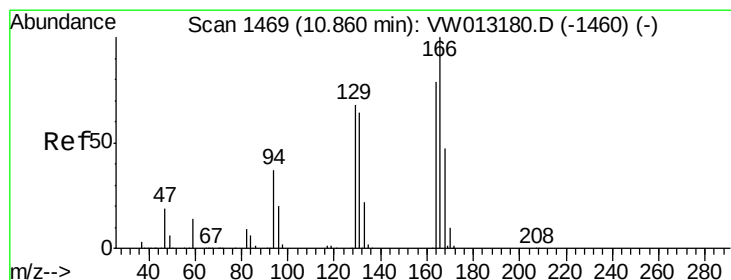
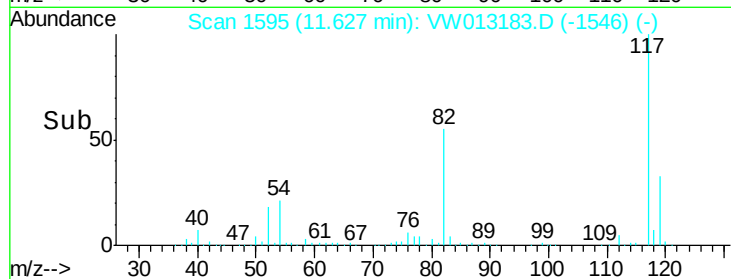
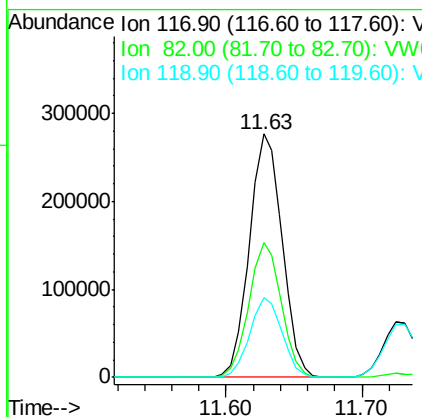
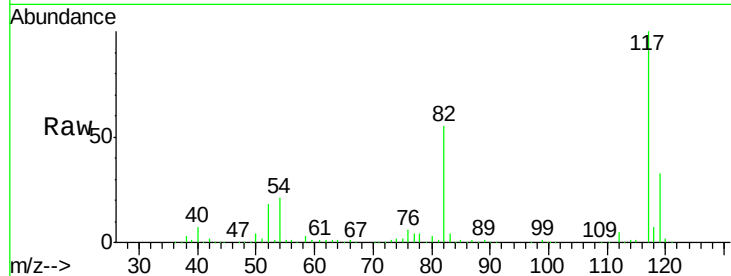
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion	Ratio	Resp	Lower	Upper
117	100	468312		
82	55.3	45.9	68.9	
119	32.6	26.2	39.2	

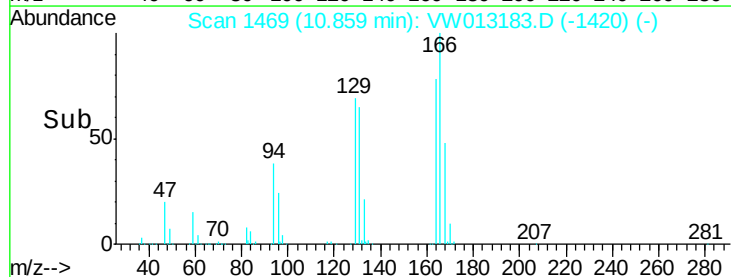
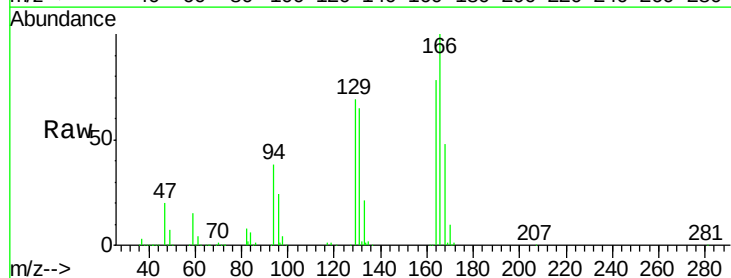
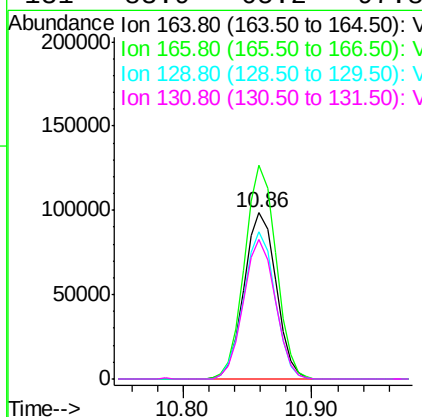
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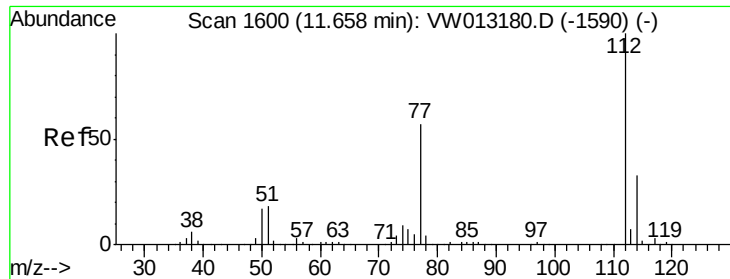
MMDadoda
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#64
Tetrachloroethene
Concen: 47.778 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	169768		
166	128.7	101.2	151.8	
129	88.9	68.8	103.2	
131	83.9	65.2	97.8	





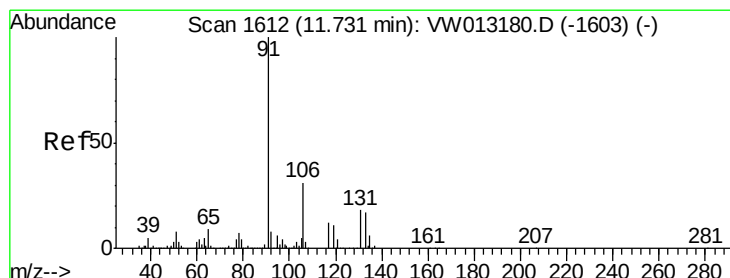
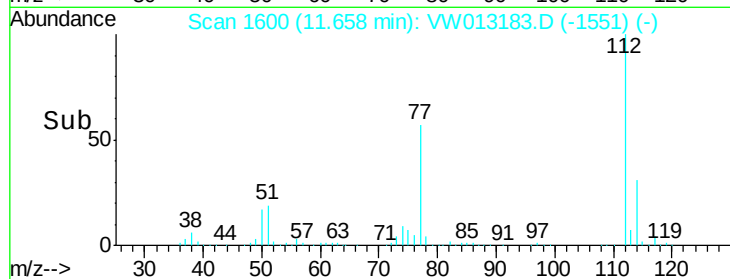
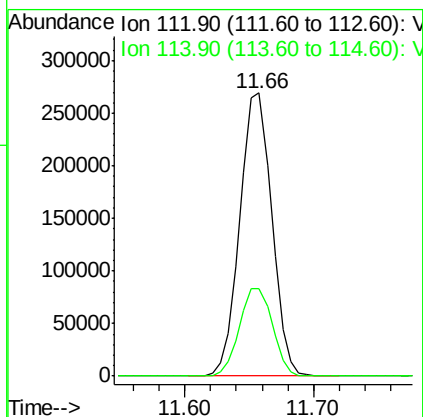
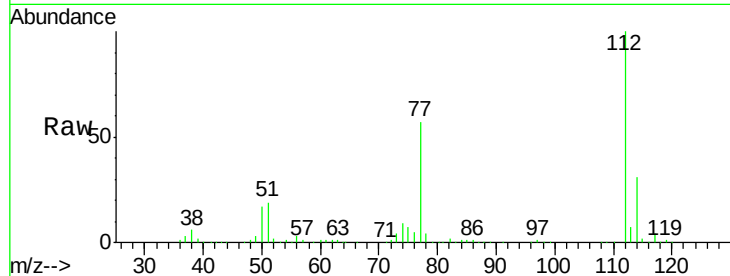
#65
Chlorobenzene
Concen: 47.382 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion:112 Resp: 463360
Ion Ratio Lower Upper
112 100
114 30.9 26.5 39.7

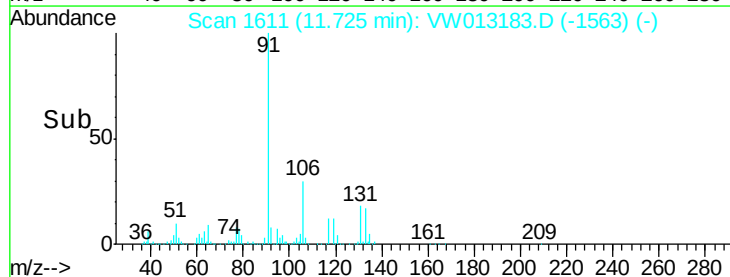
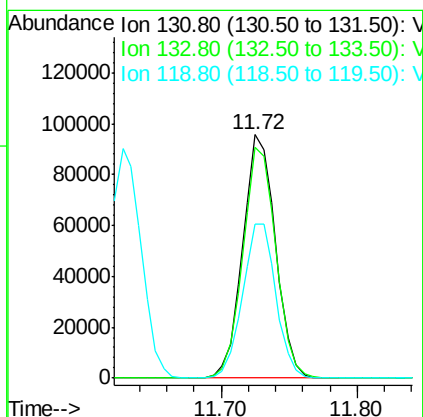
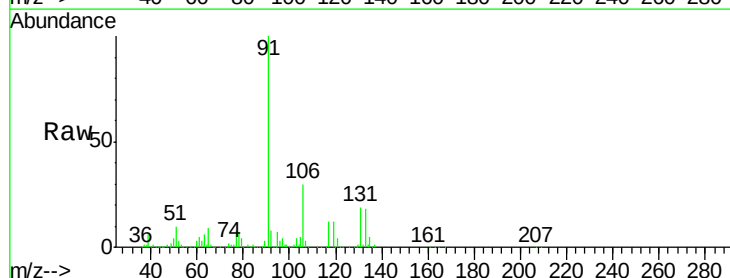
Manual Integrations
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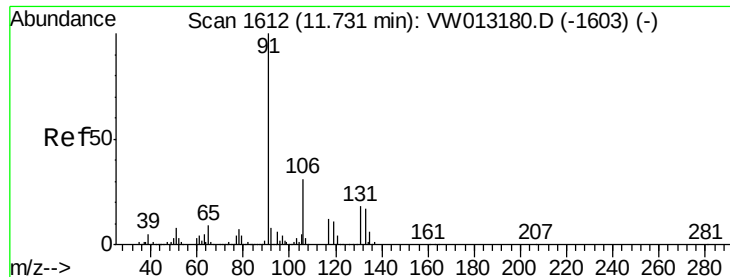
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.136 ug/l
RT: 11.72 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion:131 Resp: 160820
Ion Ratio Lower Upper
131 100
133 95.7 47.5 142.6
119 64.5 32.5 97.5





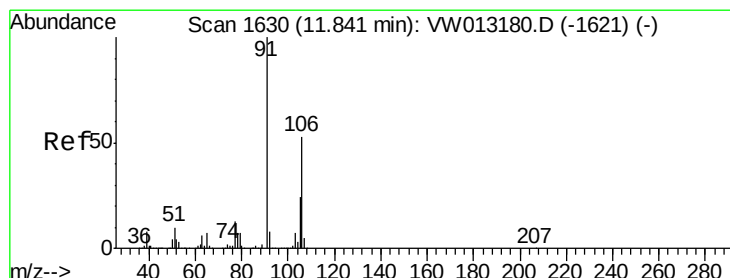
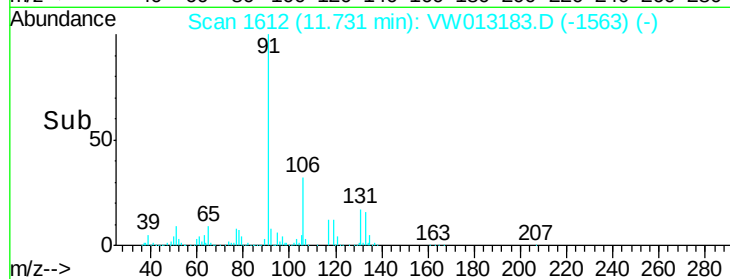
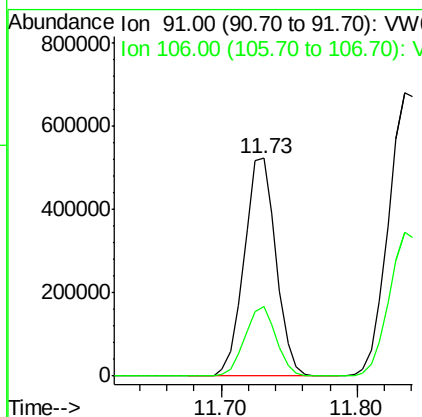
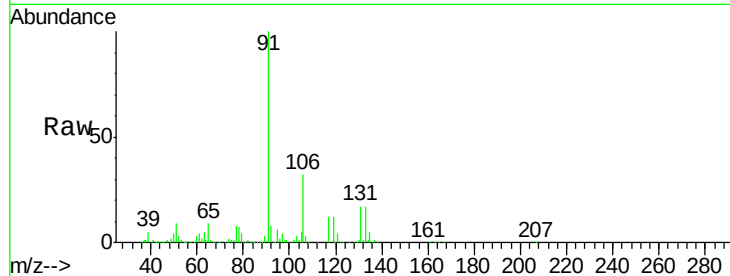
#67
Ethyl Benzene
Concen: 48.381 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.0	24.9	37.3

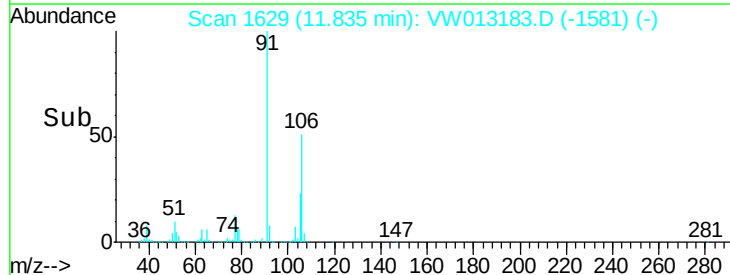
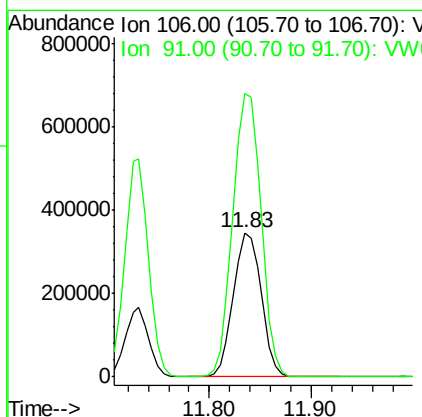
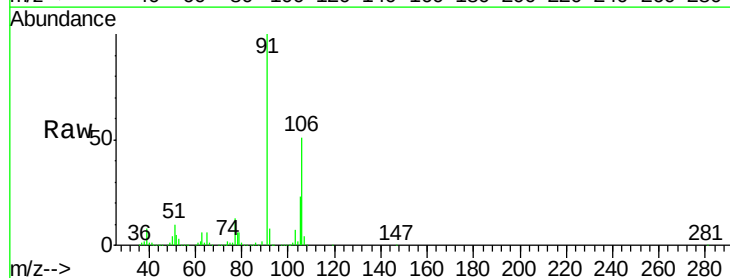
Manual Integrations
APPROVED

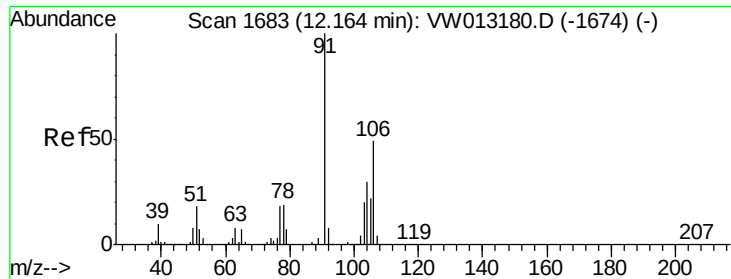
MMDadoda
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#68
m/p-Xylenes
Concen: 96.706 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.4	157.9	236.9





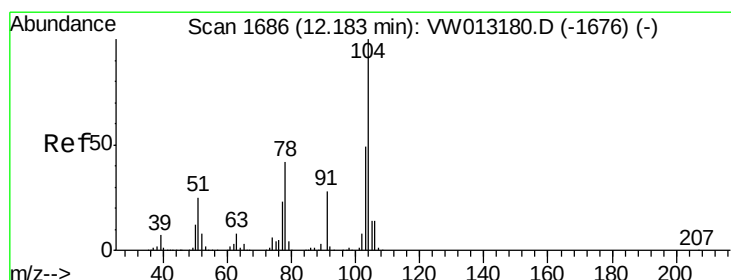
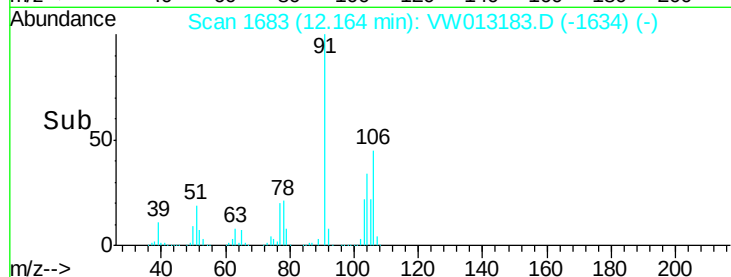
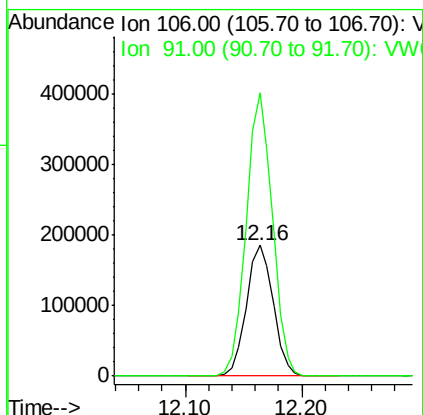
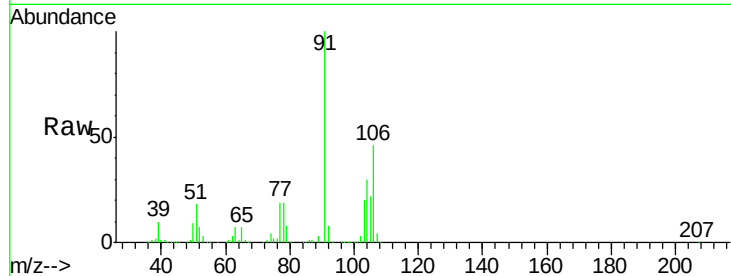
#69
o-Xylene
Concen: 47.673 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion	Ratio	Resp	Lower	Upper
106	100	299268		
91	211.4	106.5	319.5	

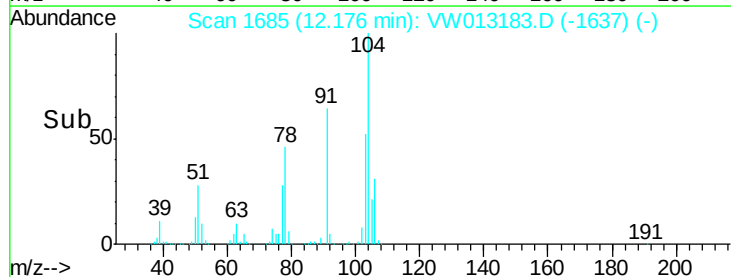
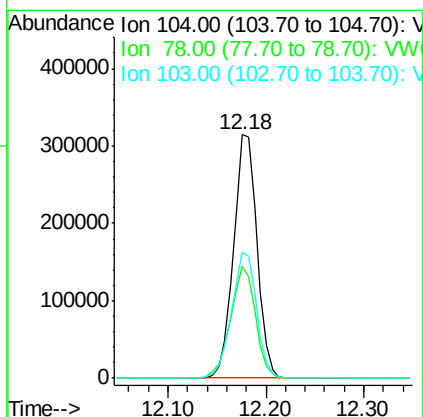
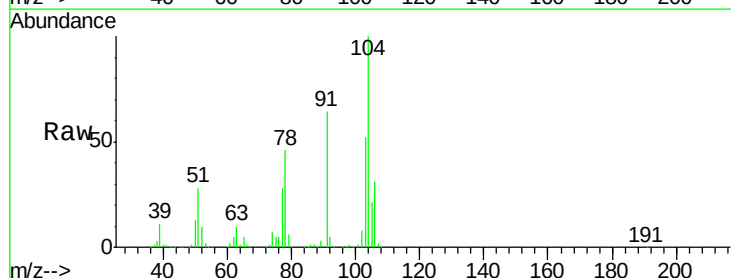
Manual Integrations
APPROVED

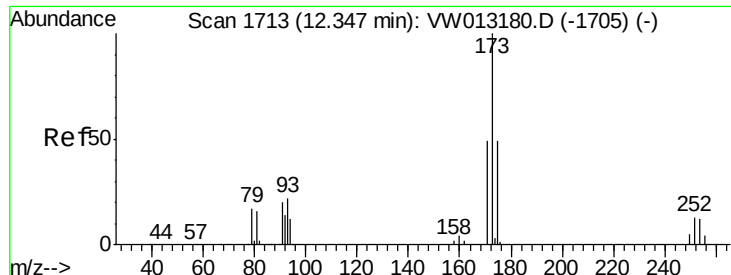
MMDadoda
9/24/2019 5:28:51 AM



#70
Styrene
Concen: 48.482 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	522507		
78	48.4	38.4	57.6	
103	54.9	43.3	64.9	





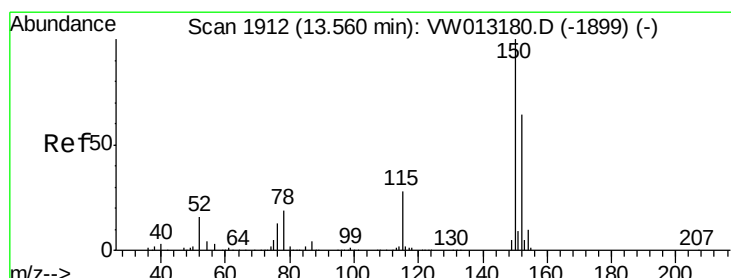
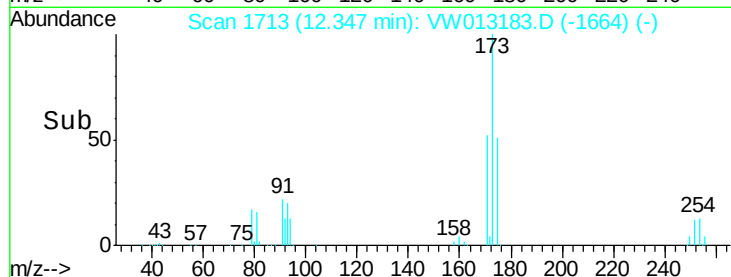
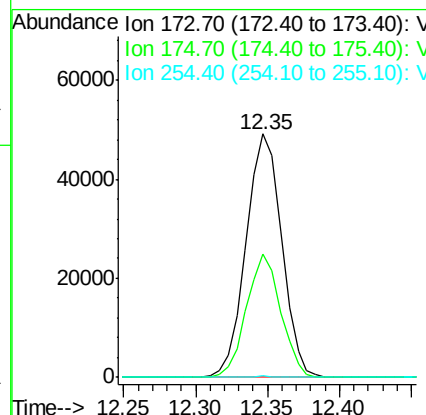
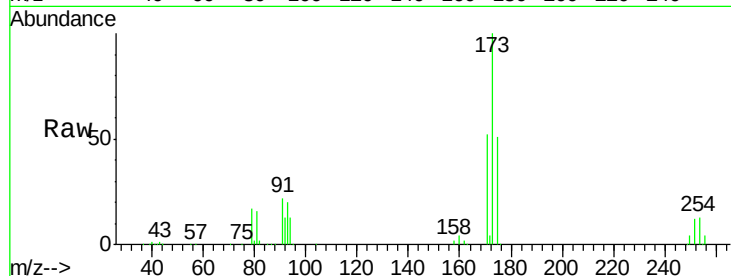
#71
Bromoform
Concen: 47.742 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	73.0
254	0.1	0.1	0.1

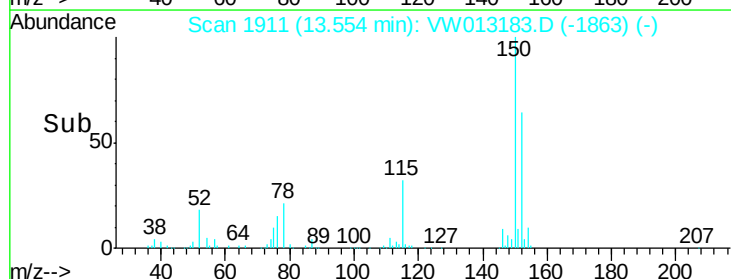
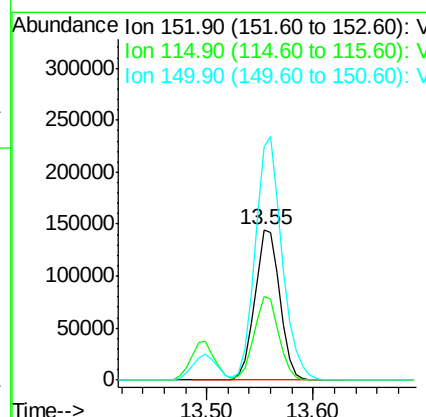
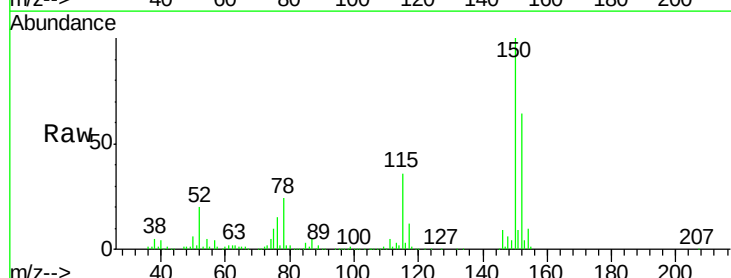
Manual Integrations
APPROVED

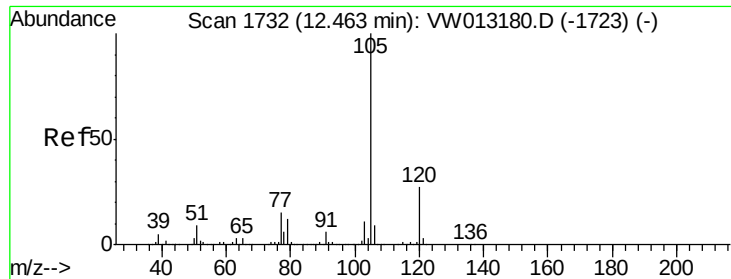
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.3	81.9
150	173.4	0.0	349.0





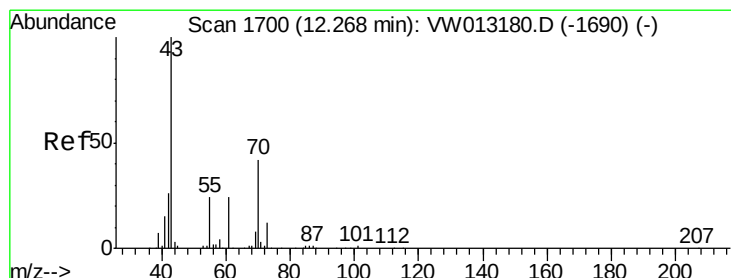
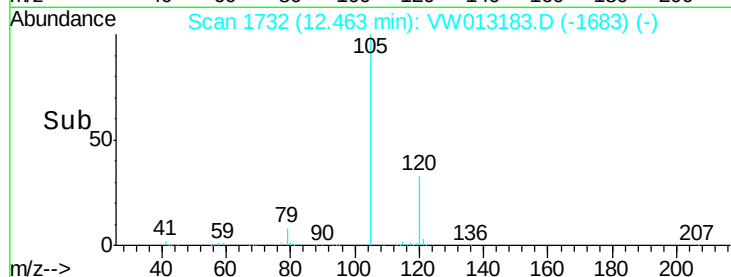
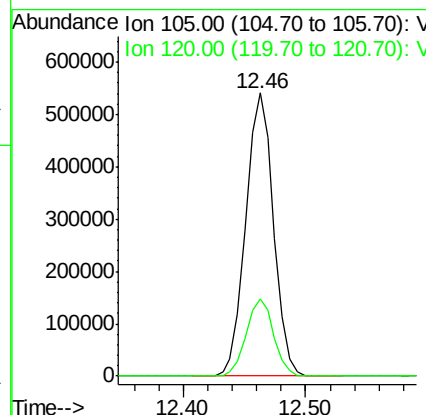
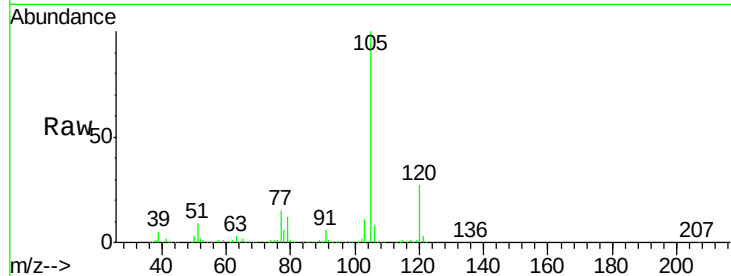
#73
Isopropylbenzene
Concen: 48.410 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion	Ratio	Resp	Lower	Upper
105	100	849123		
120	26.8	13.4	40.1	

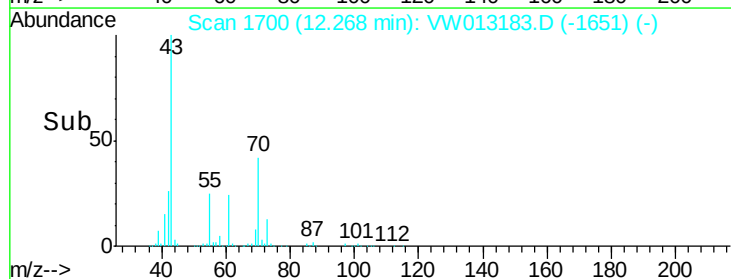
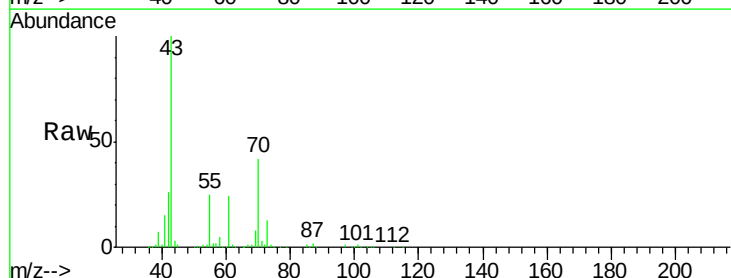
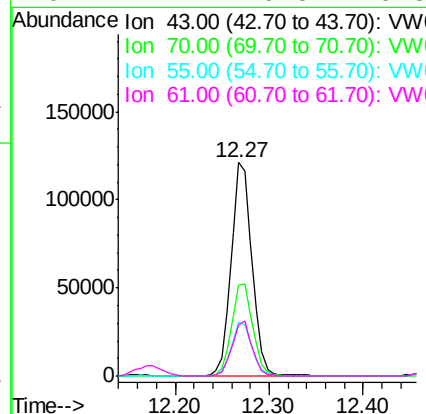
Manual Integrations
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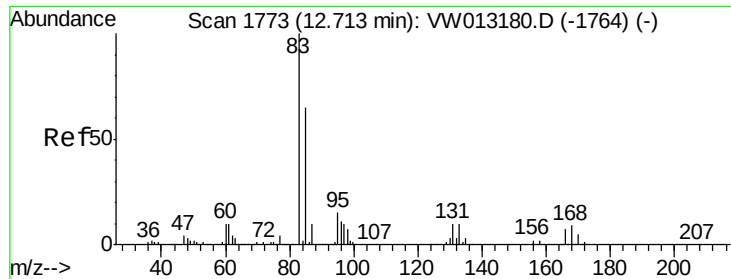
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#74
N-ethyl acetate
Concen: 47.605 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	185285		
70	43.9	35.1	52.7	
55	25.0	19.9	29.9	
61	24.7	19.5	29.3	





#75

1,1,2,2-Tetrachloroethane

Concen: 45.568 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

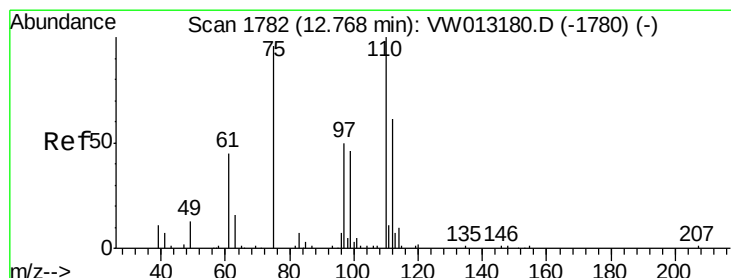
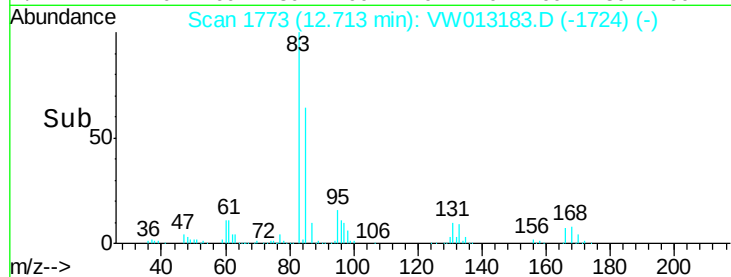
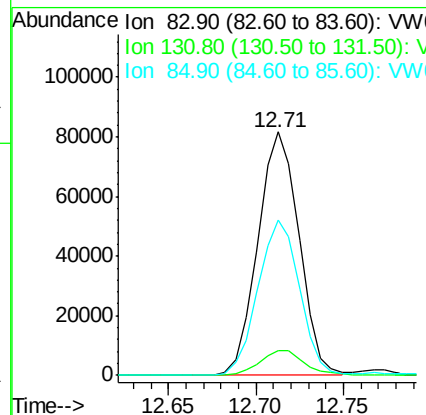
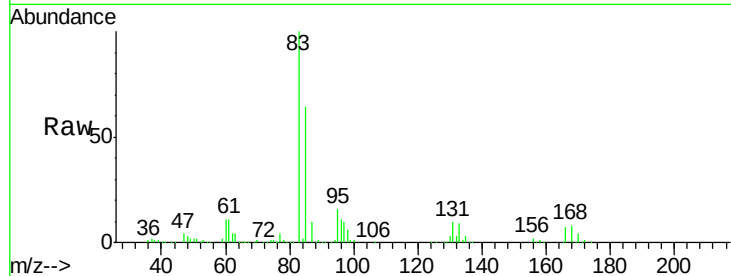
ClientSampled :

ICVW092019

Tot Ion:	83	Resp:	133670
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.4	16.2
85	64.7	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.585 ug/l m

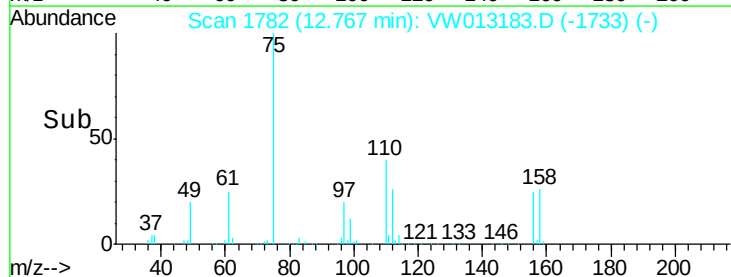
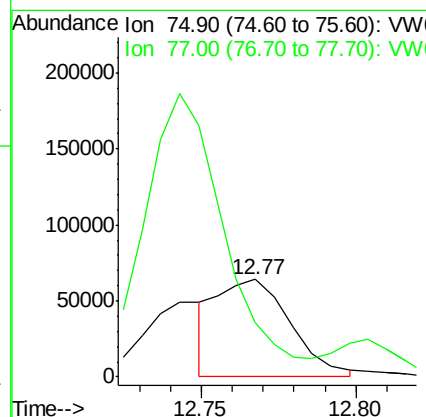
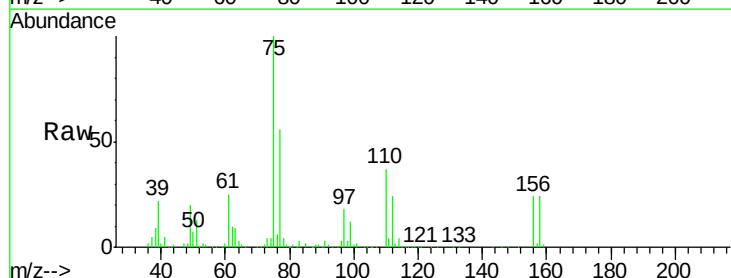
RT: 12.77 min Scan# 1782

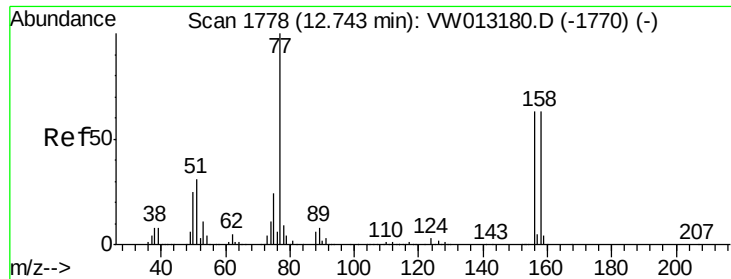
Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Tgt Ion:	75	Resp:	106073
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





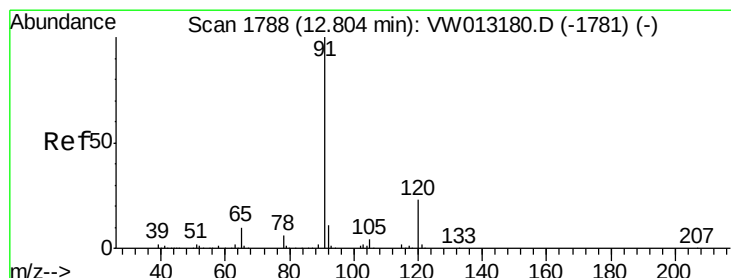
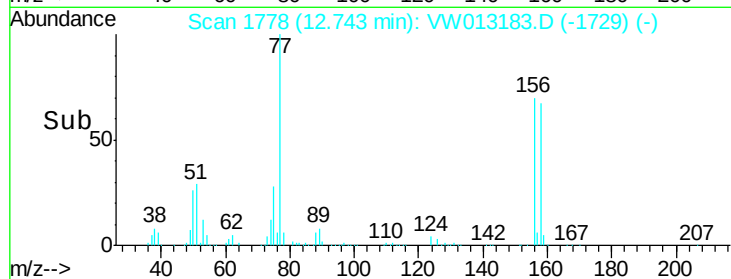
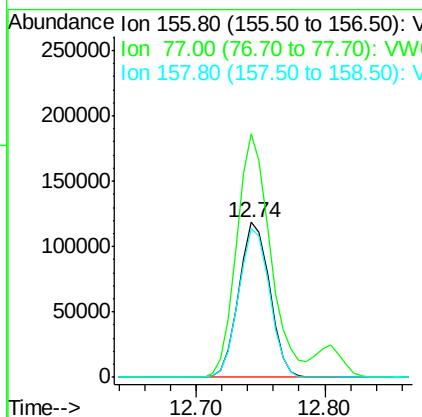
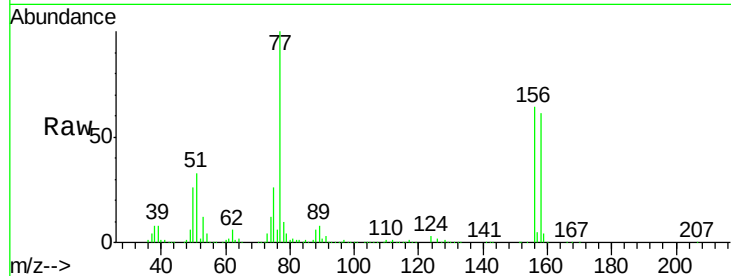
#77
Bromobenzene
Concen: 47.325 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.3	85.7	257.1
158	96.3	48.1	144.4

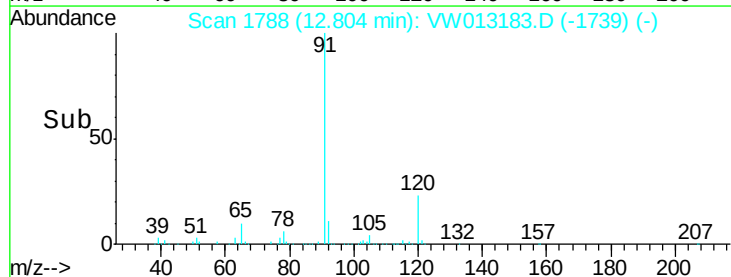
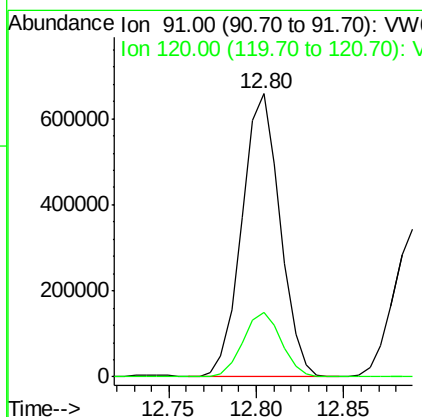
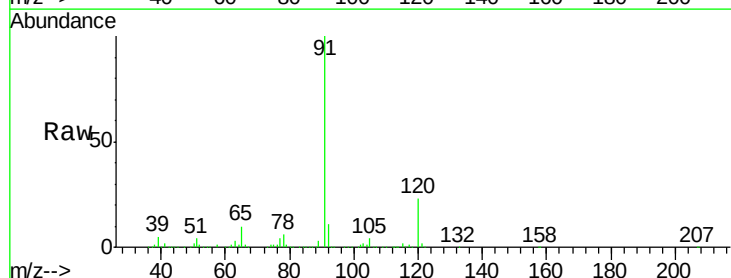
Manual Integrations
APPROVED

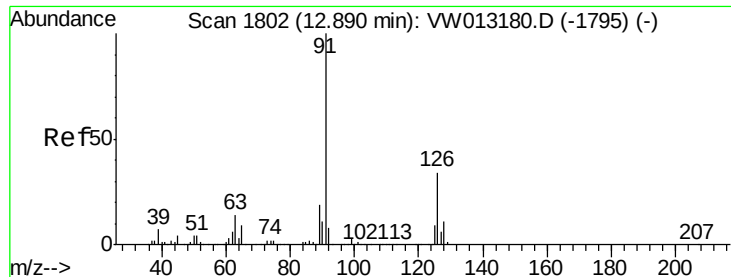
MMDadoda
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#78
n-propylbenzene
Concen: 48.570 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.7	35.1





#79

2-Chlorotoluene

Concen: 48.103 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW092019

Tot Ion: 91 Resp: 553298

Ion Ratio Lower Upper

91 100

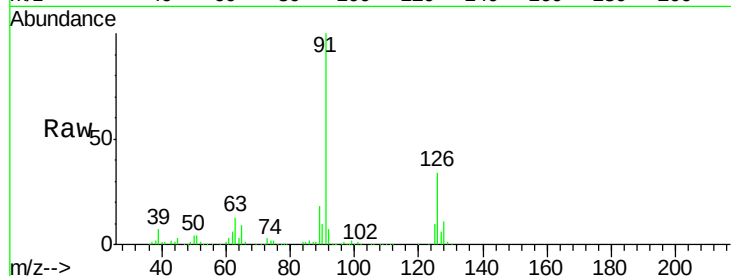
126 34.2 17.2 51.5

Manual Integrations

APPROVED

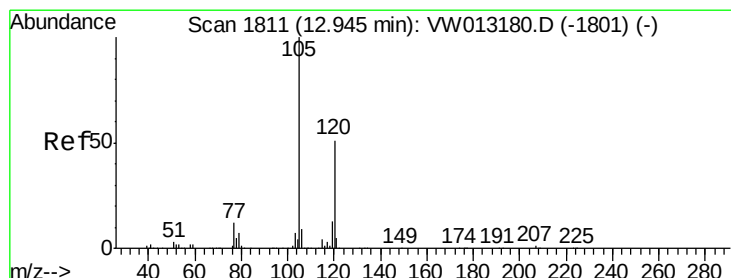
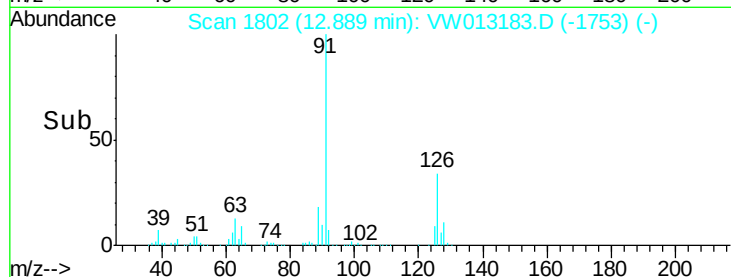
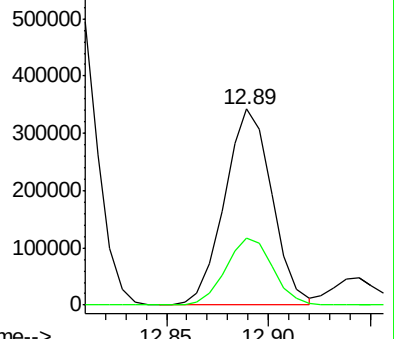
MMDadoda

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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: 48.054 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013183.D

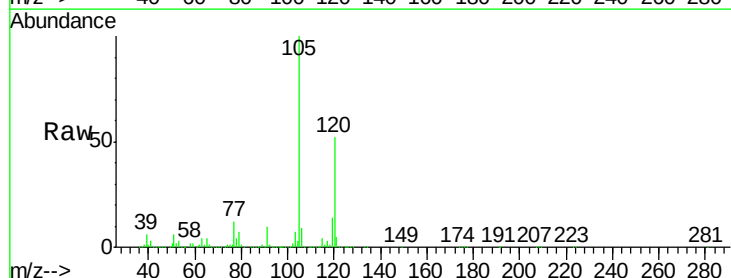
Acq: 20 Sep 2019 15:34

Tgt Ion: 105 Resp: 708518

Ion Ratio Lower Upper

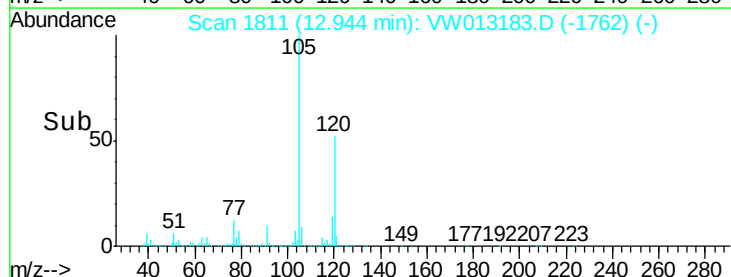
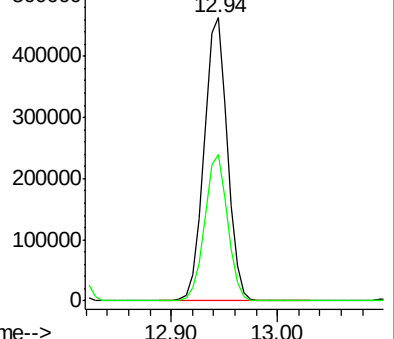
105 100

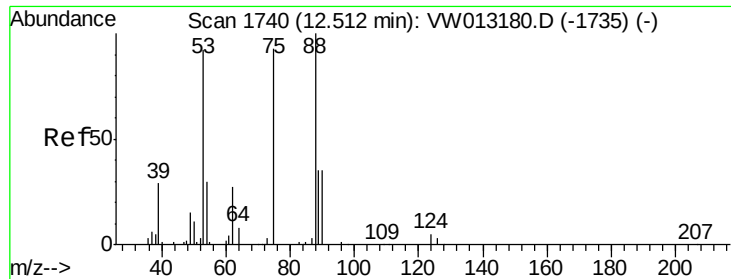
120 50.9 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





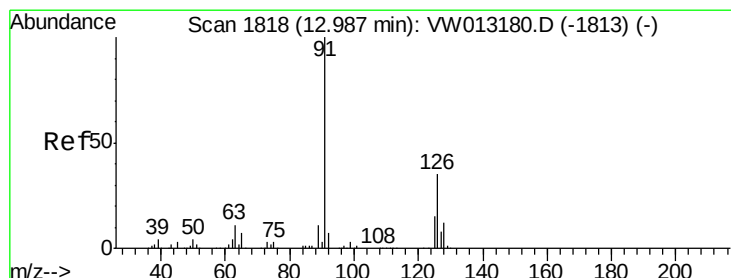
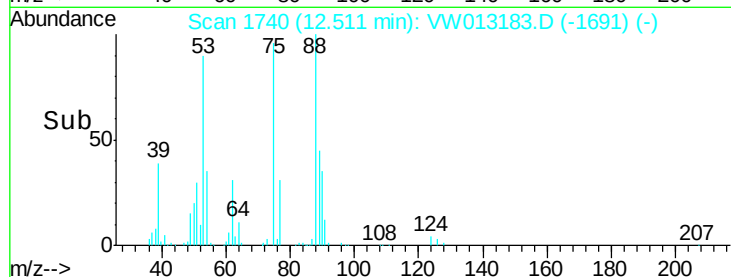
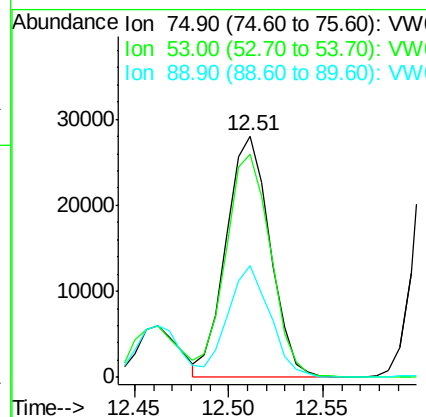
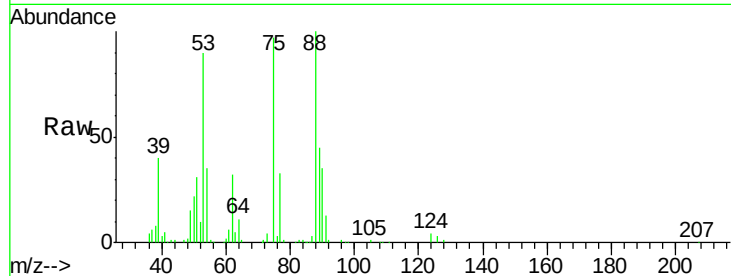
#81
trans-1,4-Dichloro-2-butene
Concen: 48.200 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.4	76.6	114.8
89	44.4	33.5	50.3

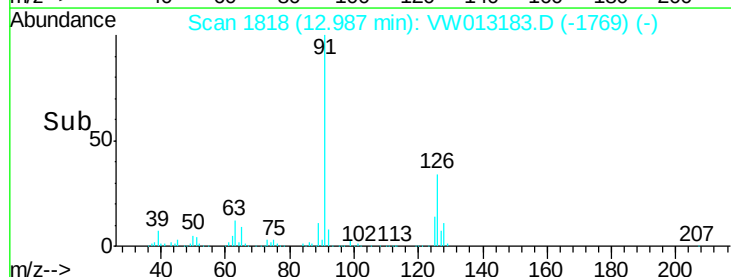
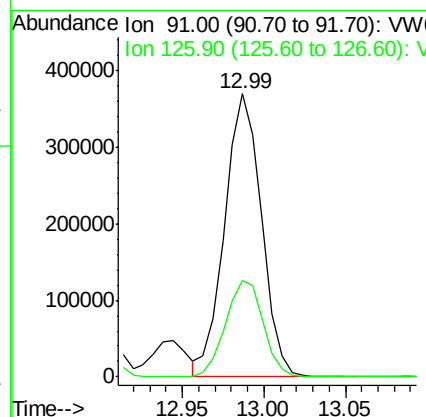
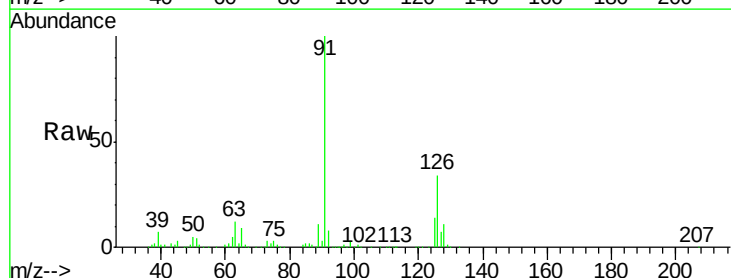
Manual Integrations
APPROVED

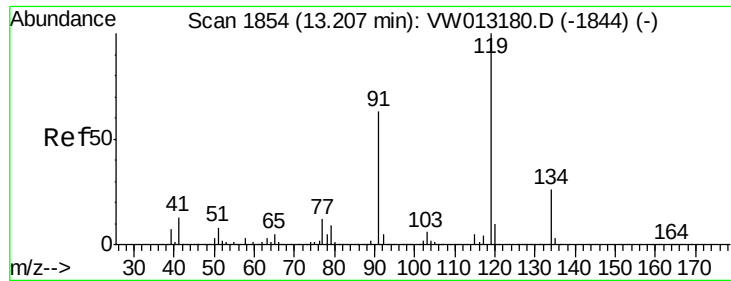
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.770 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	51.7





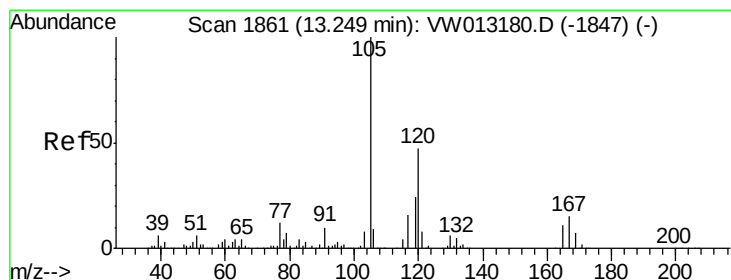
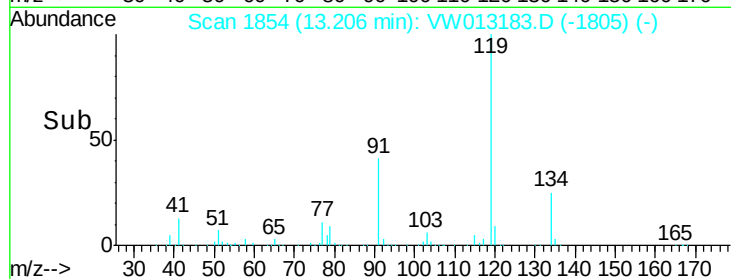
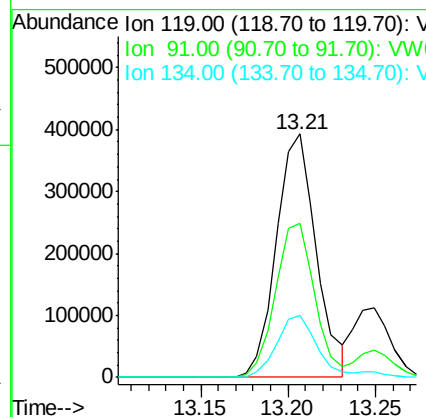
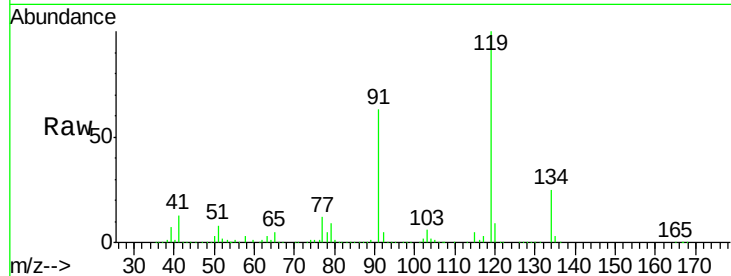
#83
tert-Butylbenzene
Concen: 48.357 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :
ICVW092019

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.7	92.1
134	25.3	12.6	37.6

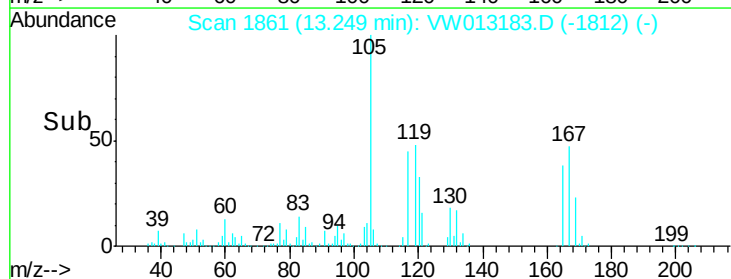
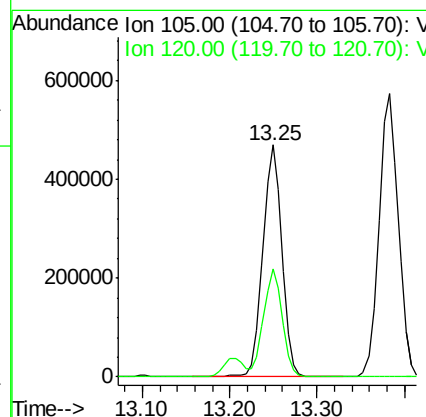
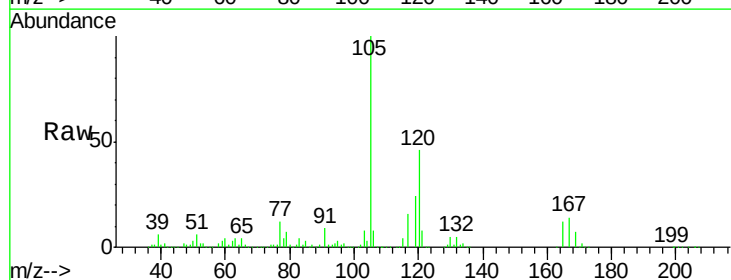
Manual Integrations
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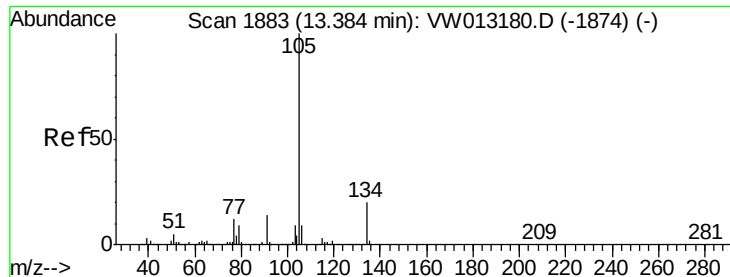
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#84
1,2,4-Trimethylbenzene
Concen: 48.502 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.4	70.3





#85

sec-Butylbenzene

Concen: 48.986 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampleId :

ICVW092019

Tot Ion:105 Resp: 874002

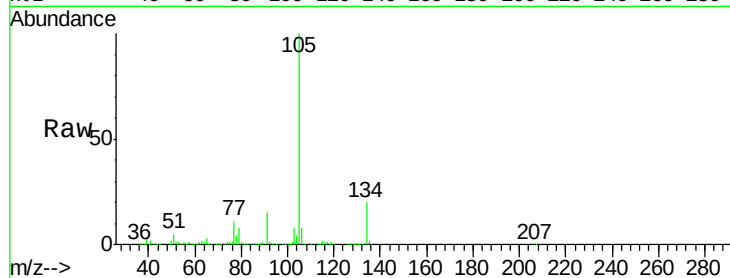
Ion Ratio Lower Upper

105 100

134 20.3 10.3 30.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

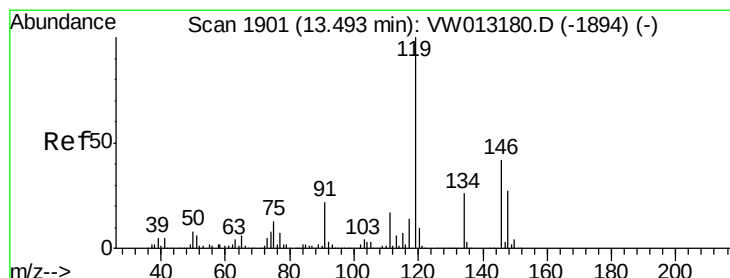
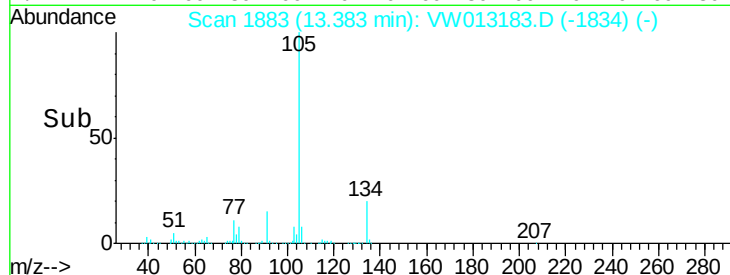
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.187 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

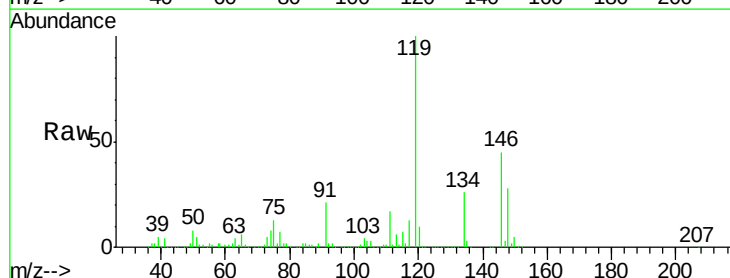
Tgt Ion:119 Resp: 813968

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 21.5 10.8 32.4



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

13.50

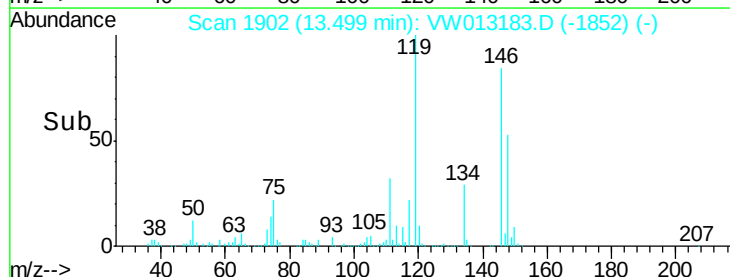
600000

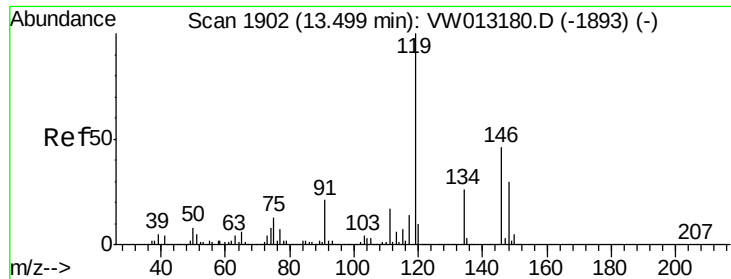
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.208 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

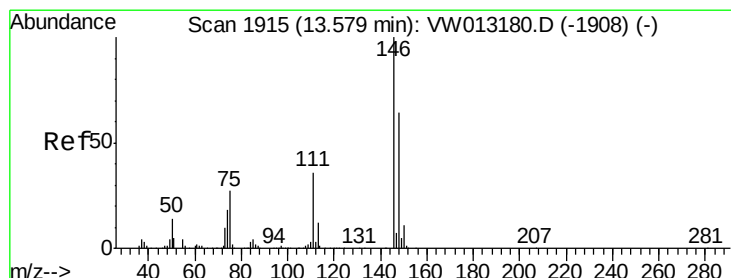
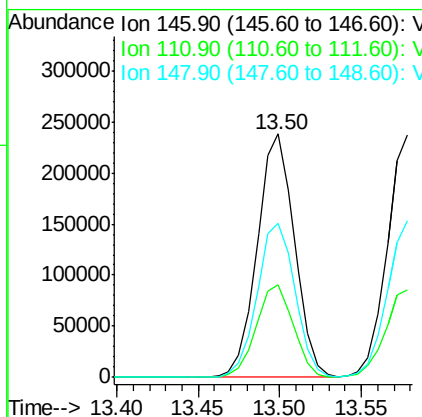
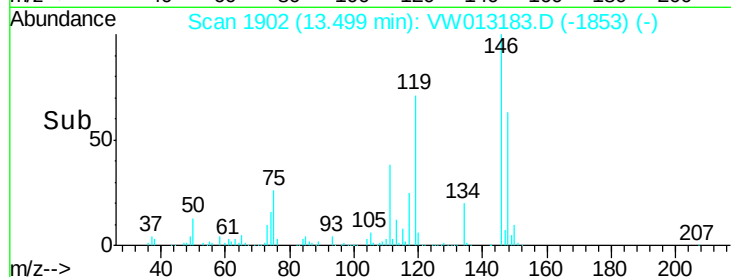
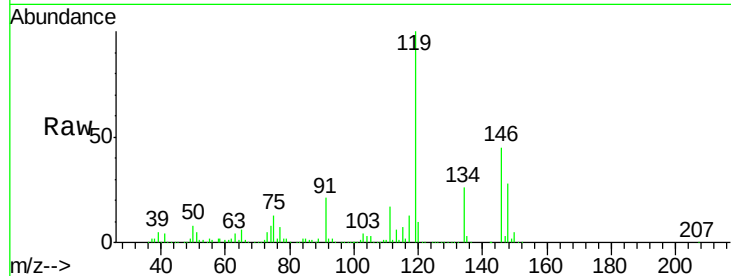
Instrument :
MSVOA_W

ClientSampleId :
ICVW092019

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.9
148	64.5	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.073 ug/l

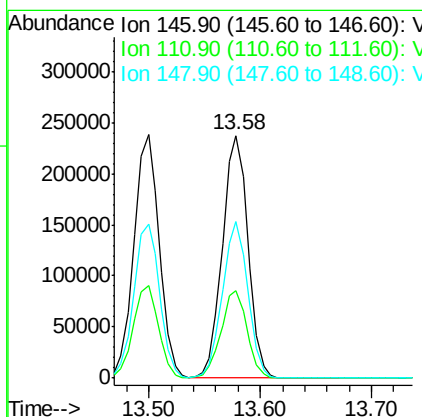
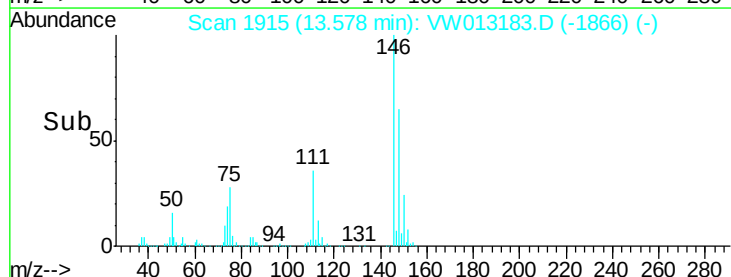
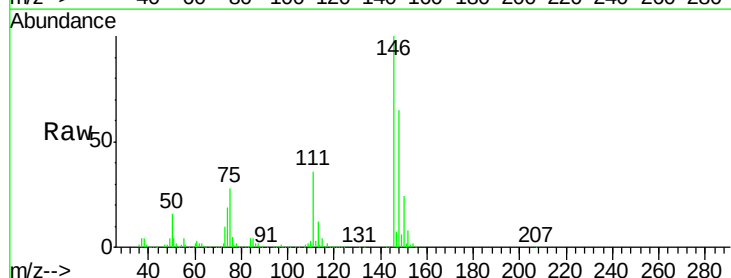
RT: 13.58 min Scan# 1915

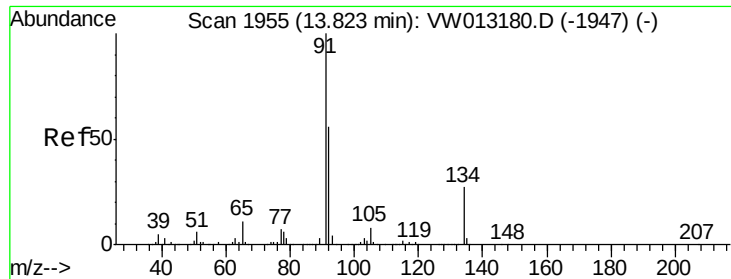
Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.0
148	64.0	32.1	96.3





#89

n-Butylbenzene

Concen: 49.939 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

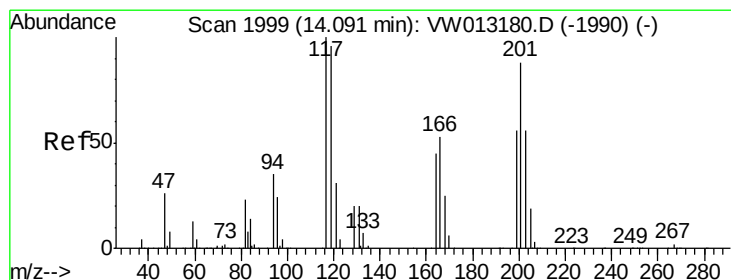
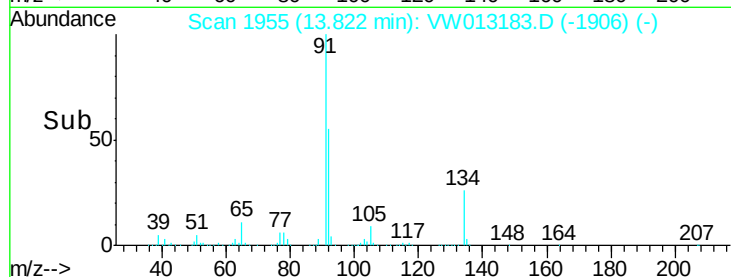
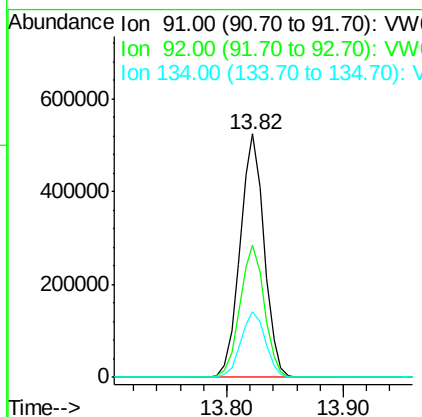
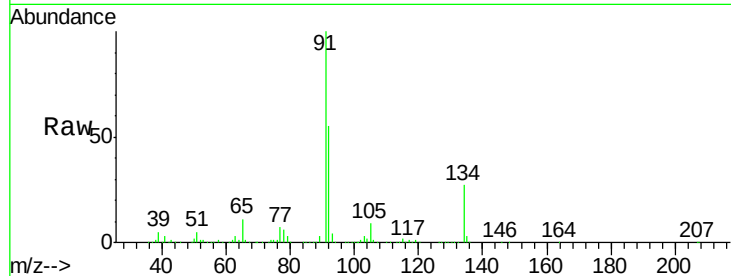
ClientSampleId :

ICVW092019

Tot Ion:	91	Resp:	754599
Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.8
134	27.5	13.7	41.1

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#90

Hexachloroethane

Concen: 49.651 ug/l

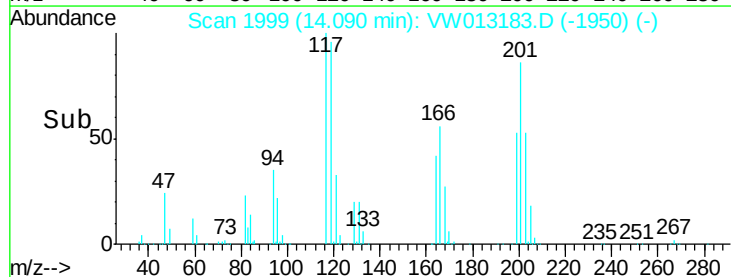
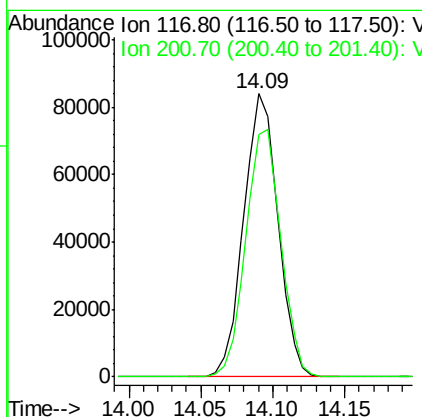
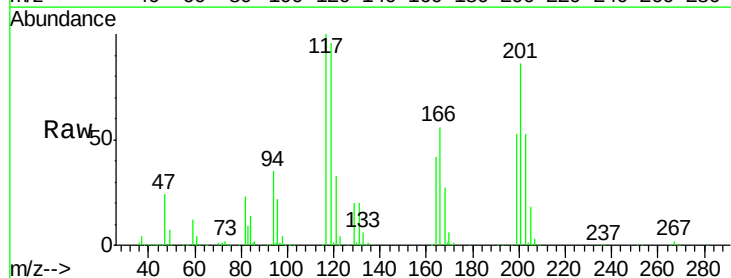
RT: 14.09 min Scan# 1999

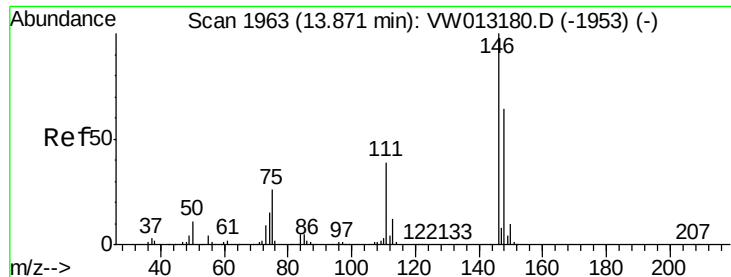
Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Tgt Ion:	117	Resp:	138029
Ion	Ratio	Lower	Upper
117	100		
201	89.4	44.5	133.5





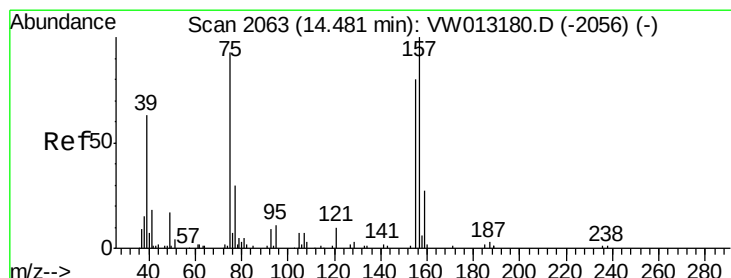
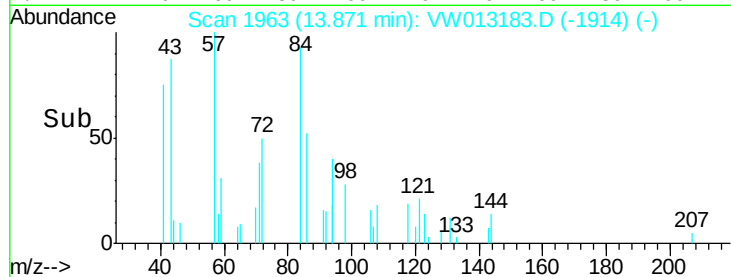
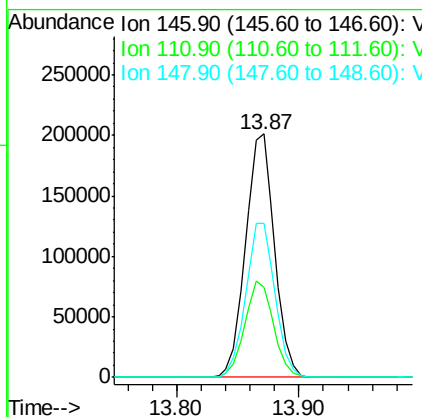
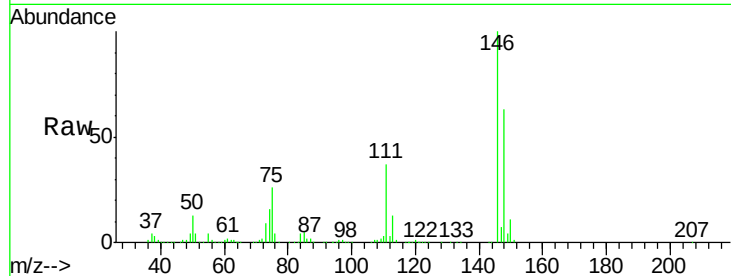
#91
 1,2-Dichlorobenzene
 Concen: 47.826 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW092019

Tot Ion	Ratio	Resp	Lower	Upper
146	100	330985		
111	39.4	20.1	60.3	
148	63.9	32.0	96.0	

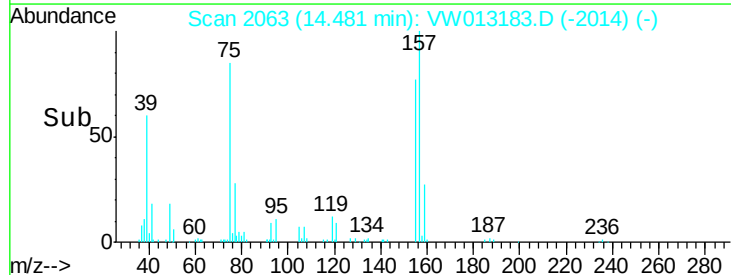
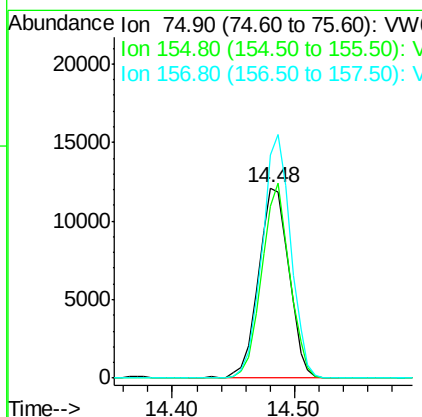
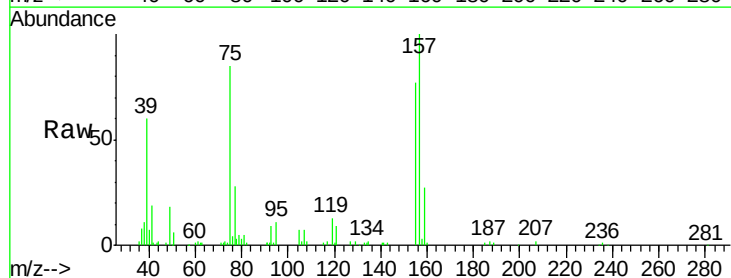
Manual Integrations
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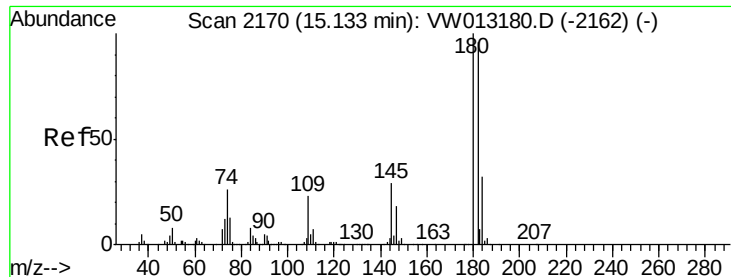
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.102 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21134		
155	93.0	46.1	138.3	
157	119.5	60.4	181.2	





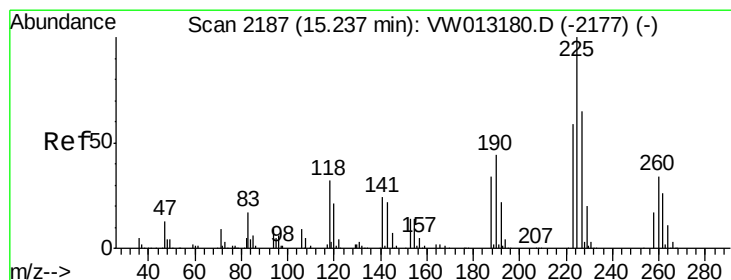
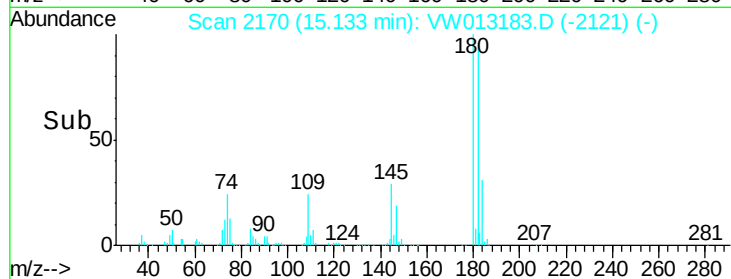
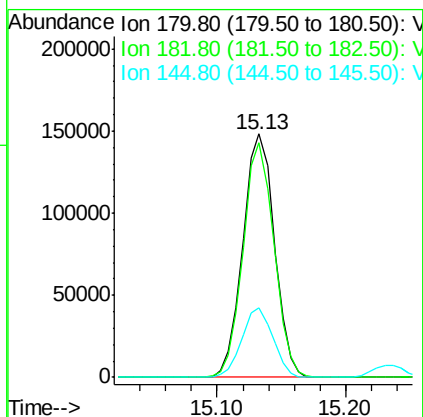
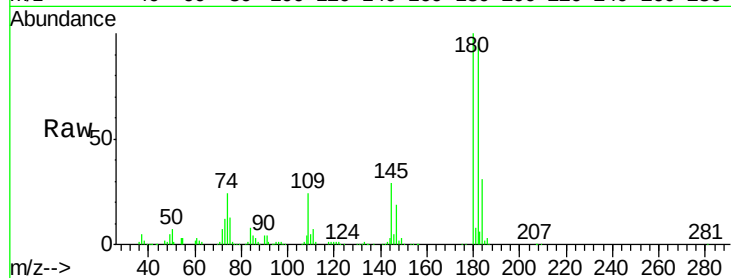
#93
 1,2,4-Trichlorobenzene
 Concen: 50.468 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW092019

Tot Ion	Ratio	Resp	Lower	Upper
180	100	250275		
182	94.5	47.3	142.0	
145	28.4	14.2	42.8	

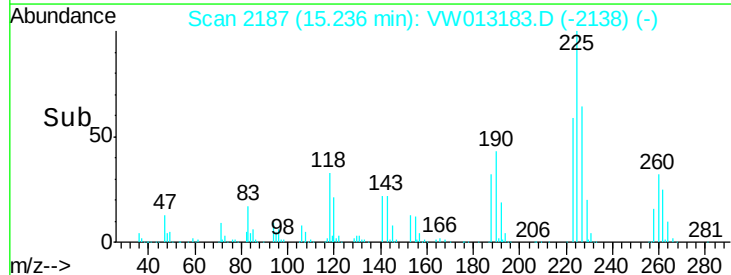
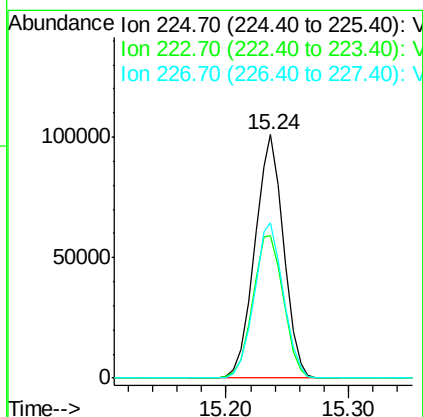
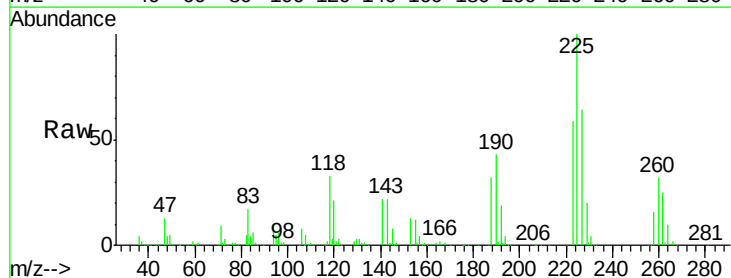
Manual Integrations
 APPROVED

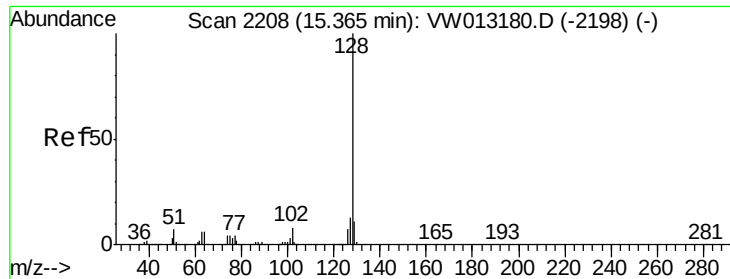
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#94
 Hexachlorobutadiene
 Concen: 48.664 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	165104		
223	62.4	30.6	91.8	
227	64.5	31.9	95.9	





#95

Naphthalene

Concen: 51.405 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

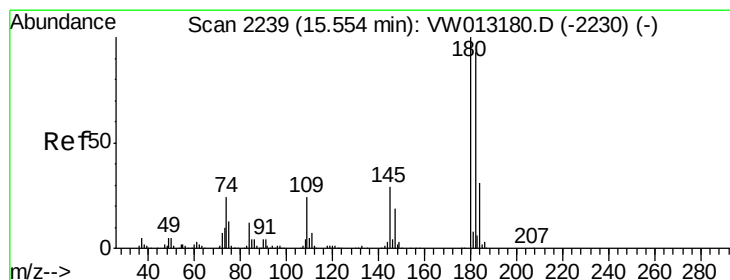
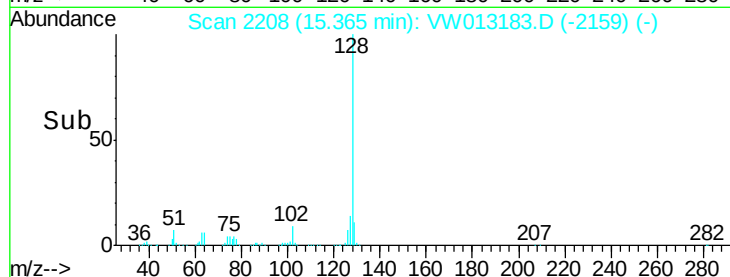
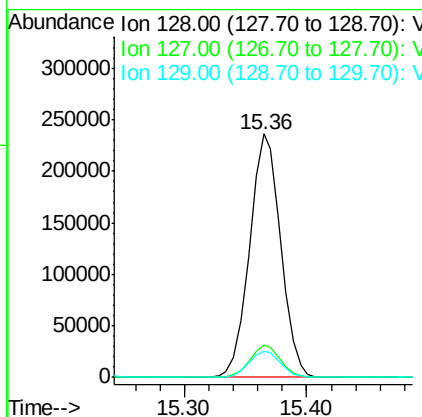
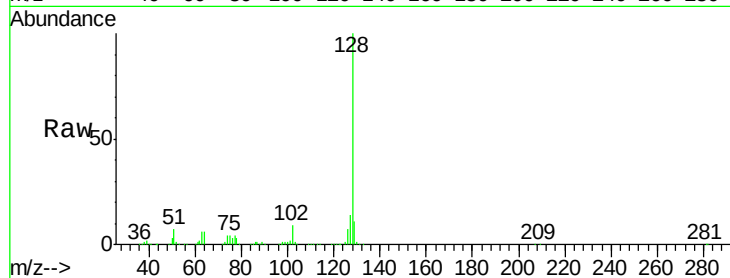
ClientSampleId :

ICVW092019

Tot Ion:	128	Resp:	416934
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:51 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.158 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Tgt Ion:	180	Resp:	214927
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.9	143.7
145	30.6	15.0	45.0

