

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011200.D
 Acq On : 10 Jul 2019 20:29
 Operator : SY/VA
 Sample : VW0711SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 2:50:09 PM

Quant Time: Jul 11 08:23:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	207770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	343089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153427	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	136748	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
35) Dibromofluoromethane	7.88	113	107013	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	10.32	98	430811	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.62	95	158073	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	31850	20.554	ug/l	95
3) Chloromethane	2.21	50	42488	21.279	ug/l	97
4) Vinyl Chloride	2.35	62	54465	20.841	ug/l	97
5) Bromomethane	2.76	94	27574	20.997	ug/l	97
6) Chloroethane	2.91	64	28909	20.537	ug/l	99
7) Trichlorofluoromethane	3.24	101	16033	17.269	ug/l	94
8) Diethyl Ether	3.68	74	28009	21.804	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46001	20.686	ug/l	99
10) Methyl Iodide	4.27	142	63765	20.848	ug/l	100
11) Tert butyl alcohol	5.17	59	18670	96.591	ug/l	98
12) 1,1-Dichloroethene	4.03	96	47873	20.741	ug/l	94
13) Acrolein	3.89	56	12605	81.896	ug/l	97
14) Allyl chloride	4.65	41	82452	19.590	ug/l	99
15) Acrylonitrile	5.36	53	69551	106.310	ug/l	99
16) Acetone	4.12	43	61365	97.689	ug/l	99
17) Carbon Disulfide	4.38	76	131693	18.820	ug/l	99
18) Methyl Acetate	4.66	43	49409	27.010	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	76034	21.711	ug/l	99
20) Methylene Chloride	4.91	84	57535	23.218	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	50167	20.917	ug/l	95
22) Diisopropyl ether	6.31	45	201208	22.226	ug/l	99
23) Vinyl Acetate	6.25	43	559897	99.938	ug/l	99
24) 1,1-Dichloroethane	6.21	63	104064	21.891	ug/l	99
25) 2-Butanone	7.17	43	100974	102.402	ug/l	99
26) 2,2-Dichloropropane	7.16	77	46719	18.907	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	56059	21.668	ug/l	98
28) Bromochloromethane	7.51	49	45301	20.958	ug/l #	99
29) Tetrahydrofuran	7.52	42	68238	105.539	ug/l	99
30) Chloroform	7.67	83	95979	21.802	ug/l	99
31) Cyclohexane	7.95	56	100781	19.928	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	68868	20.565	ug/l	99
36) 1,1-Dichloropropene	8.08	75	74605	20.420	ug/l	99
37) Ethyl Acetate	7.25	43	46530	21.197	ug/l	99
38) Carbon Tetrachloride	8.06	117	62083	20.045	ug/l	97

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Quant Time: Jul 11 08:23:09 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89199	20.143	ug/l	99
40) Benzene	8.32	78	217292	21.520	ug/l	96
41) Methacrylonitrile	7.48	41	28170	22.437	ug/l	92
42) 1,2-Dichloroethane	8.40	62	72572	22.156	ug/l	100
43) Isopropyl Acetate	8.42	43	85992	20.749	ug/l	98
44) Trichloroethene	9.09	130	51660	21.261	ug/l	95
45) 1,2-Dichloropropane	9.37	63	59651	21.816	ug/l	100
46) Dibromomethane	9.46	93	27961	21.769	ug/l	99
47) Bromodichloromethane	9.64	83	70503	21.453	ug/l	99
48) Methyl methacrylate	9.43	41	41731	20.930	ug/l	97
49) 1,4-Dioxane	9.45	88	8938	416.901	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	231089	106.741	ug/l	98
52) Toluene	10.38	92	132434	21.622	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	69637	19.907	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	83279	20.226	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	39186	21.505	ug/l	98
56) Ethyl methacrylate	10.65	69	58040	20.922	ug/l	99
57) 1,3-Dichloropropane	10.93	76	75651	21.955	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	144743	112.544	ug/l	100
59) 2-Hexanone	10.97	43	155582	103.625	ug/l	99
60) Dibromochloromethane	11.13	129	42253	21.147	ug/l	99
61) 1,2-Dibromoethane	11.23	107	37052	21.467	ug/l	100
64) Tetrachloroethene	10.86	164	46168	22.121	ug/l	96
65) Chlorobenzene	11.66	112	133871	21.288	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	46475	20.990	ug/l	100
67) Ethyl Benzene	11.73	91	253624	21.068	ug/l	99
68) m/p-Xylenes	11.84	106	185506	42.587	ug/l	99
69) o-Xylene	12.16	106	86765	21.134	ug/l	99
70) Styrene	12.18	104	151459	21.376	ug/l	100
71) Bromoform	12.35	173	22495	19.108	ug/l #	100
73) Isopropylbenzene	12.46	105	235242	20.511	ug/l	100
74) N-amyl acetate	12.27	43	80325	20.109	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49334	20.984	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	33637m	18.971	ug/l	
77) Bromobenzene	12.75	156	53440	20.762	ug/l	99
78) n-propylbenzene	12.80	91	290790	20.582	ug/l	100
79) 2-Chlorotoluene	12.89	91	171809	21.132	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	202872	20.821	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13635	17.394	ug/l	92
82) 4-Chlorotoluene	12.99	91	177294	20.937	ug/l	100
83) tert-Butylbenzene	13.21	119	167045	20.556	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	207650	21.224	ug/l	99
85) sec-Butylbenzene	13.38	105	241512	20.597	ug/l	100
86) p-Isopropyltoluene	13.50	119	216858	20.620	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	106244	21.454	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	105795	21.215	ug/l	98
89) n-Butylbenzene	13.82	91	217481	20.729	ug/l	99
90) Hexachloroethane	14.10	117	37422	19.472	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	96359	21.448	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7861	18.850	ug/l	96

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Instrument :
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Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	65154	21.055	ug/l	99
94) Hexachlorobutadiene	15.24	225	39550	20.818	ug/l	98
95) Naphthalene	15.37	128	123670	20.856	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	59186	21.672	ug/l	99

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

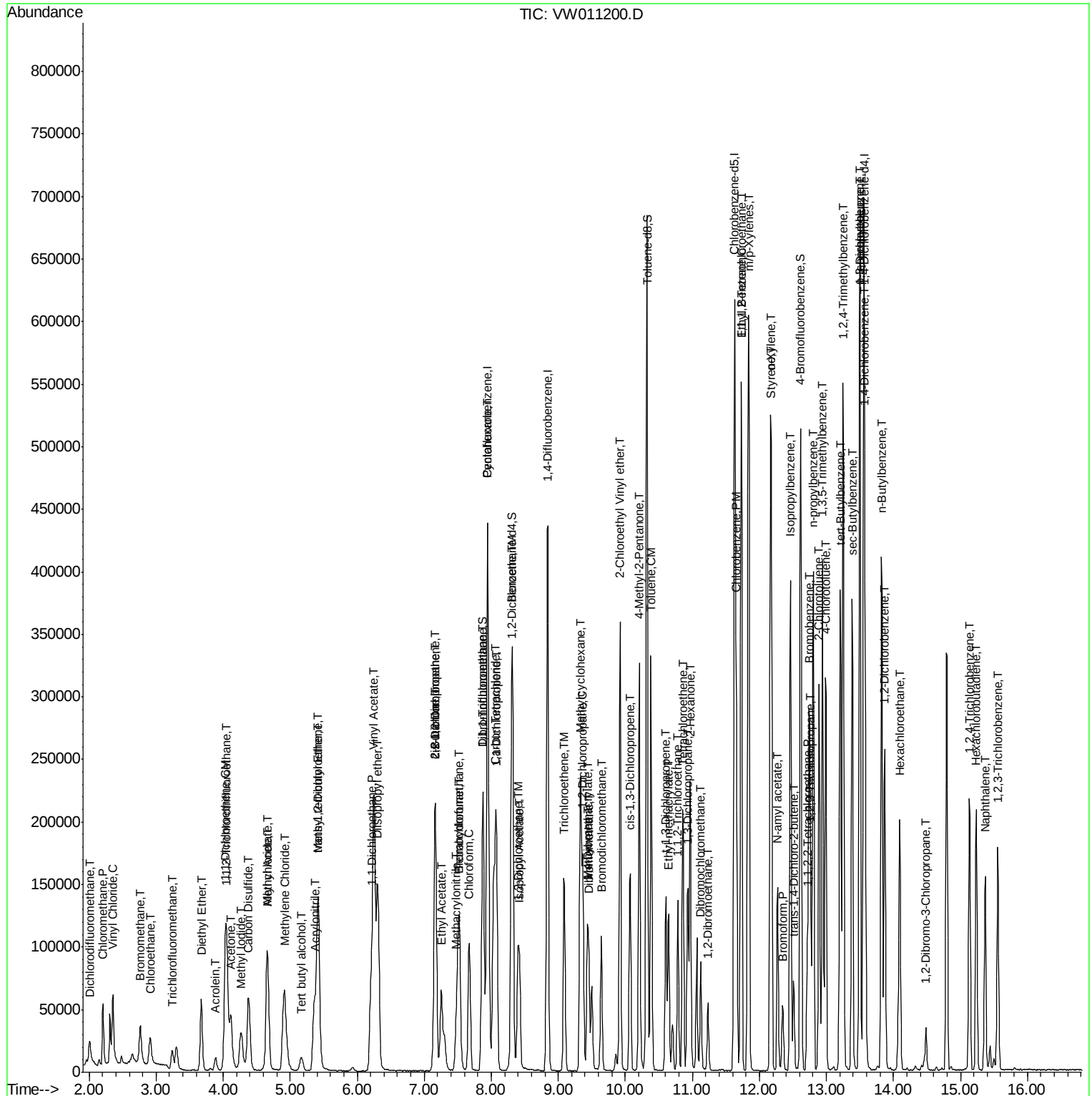
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
Data File : VW011200.D
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Operator : SY/VA
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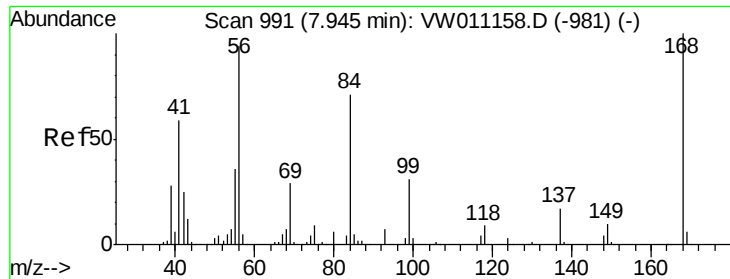
Instrument :
MSVOA_W
ClientSampleId :
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

Tot Ion:168 Resp: 207770

Ion Ratio Lower Upper

168 100

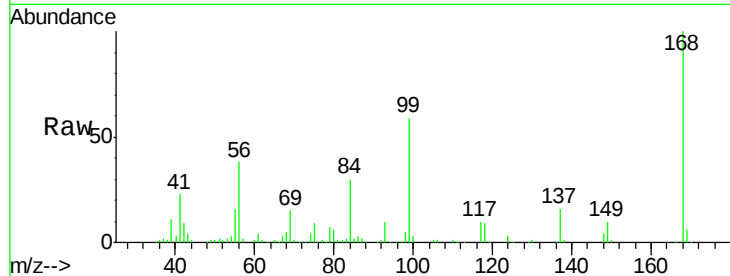
99 59.1 50.1 75.1

Manual Integrations

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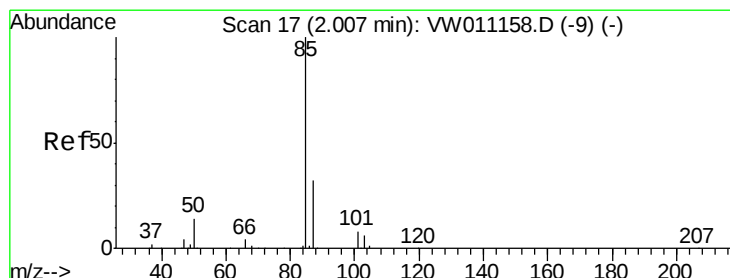
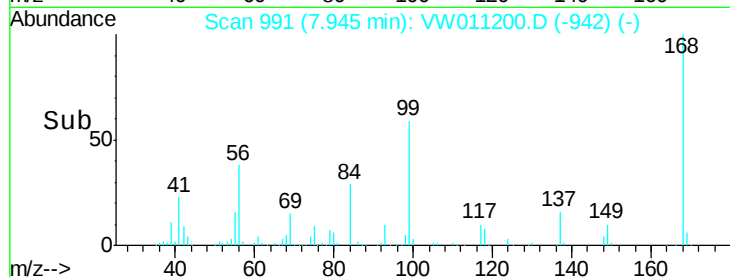
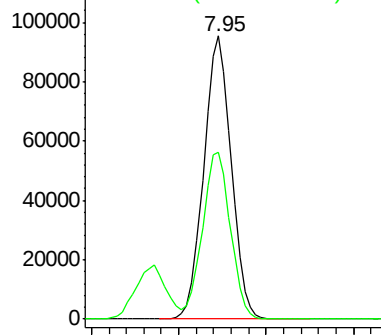
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.554 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW011200.D

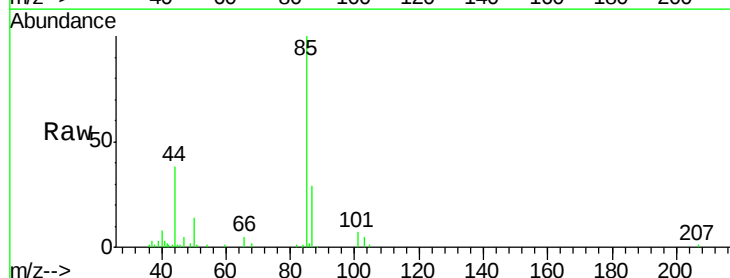
Acq: 10 Jul 2019 20:29

Tgt Ion: 85 Resp: 31850

Ion Ratio Lower Upper

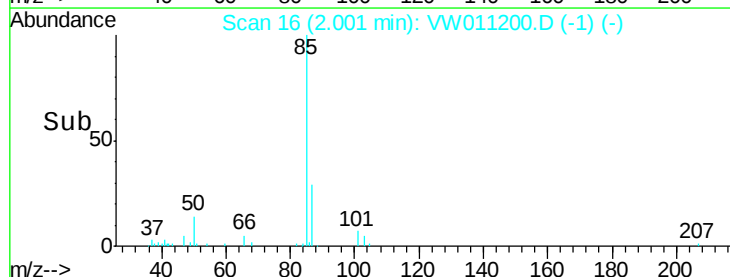
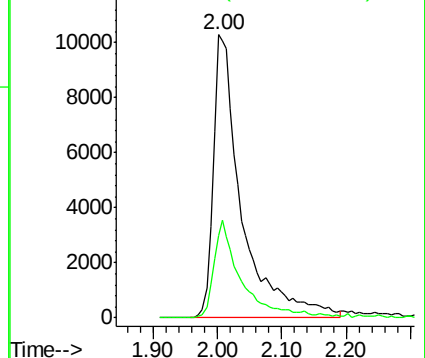
85 100

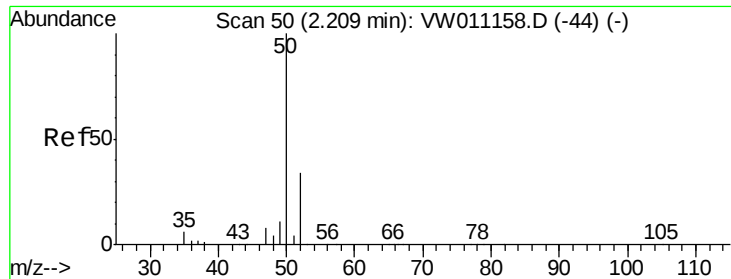
87 29.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.279 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

Tot Ion: 50 Resp: 42488

Ion Ratio Lower Upper

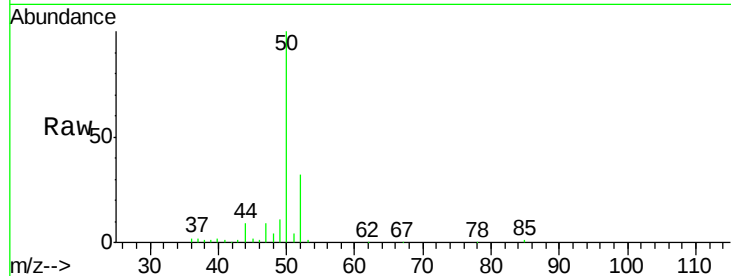
50 100

52 32.0 26.9 40.3

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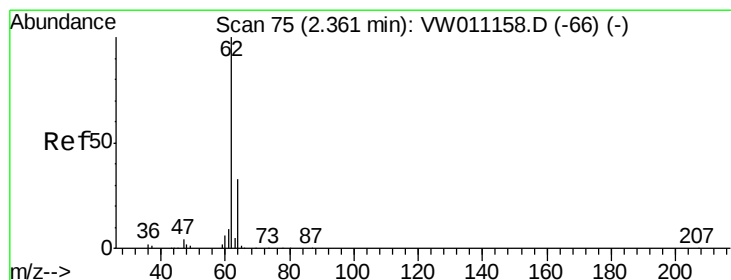
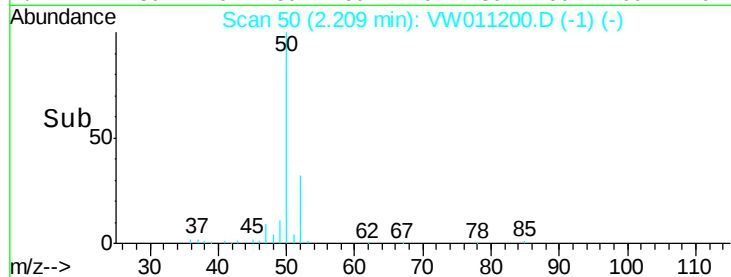
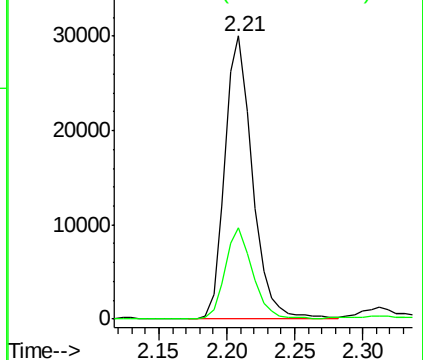
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.841 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011200.D

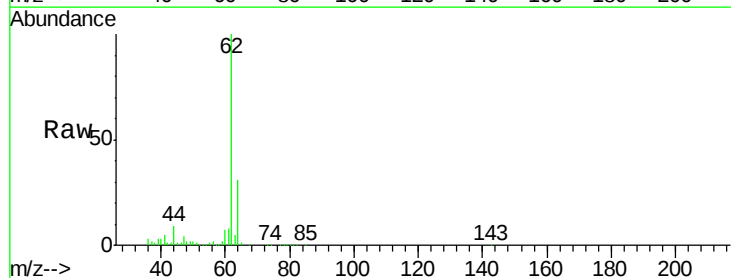
Acq: 10 Jul 2019 20:29

Tgt Ion: 62 Resp: 54465

Ion Ratio Lower Upper

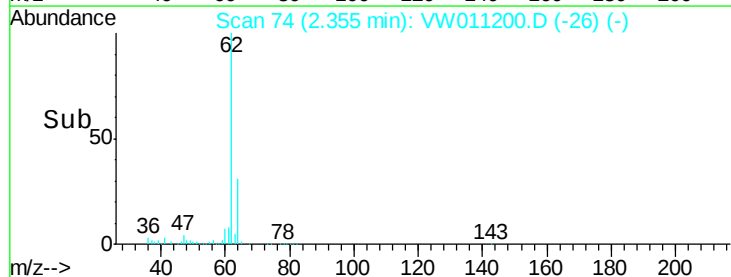
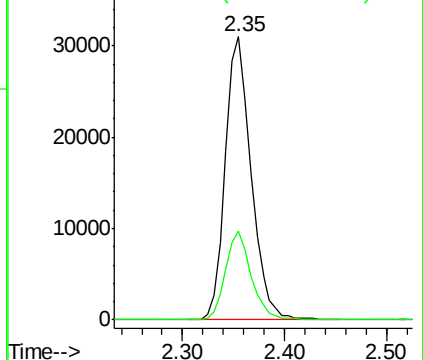
62 100

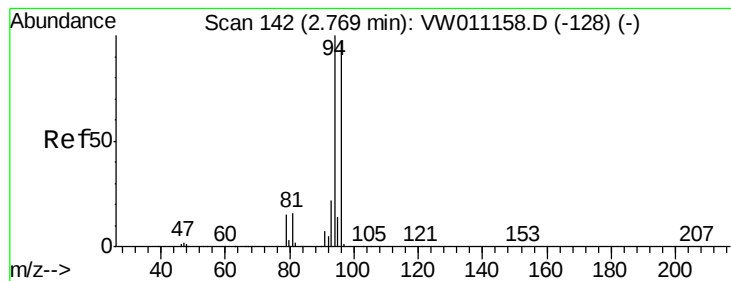
64 31.5 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.997 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

Tot Ion: 94 Resp: 27574

Ion Ratio Lower Upper

94 100

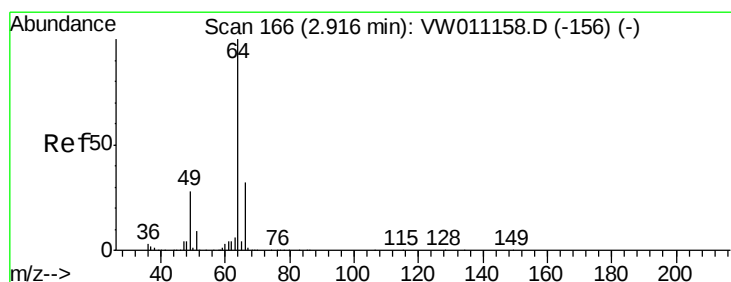
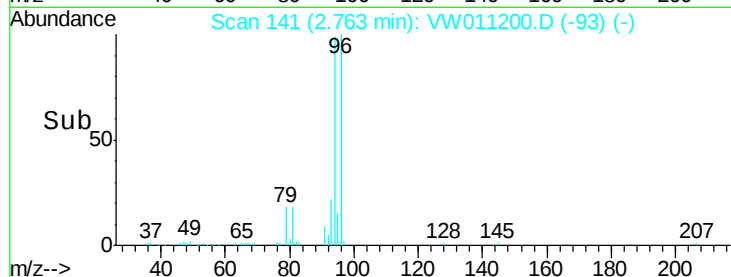
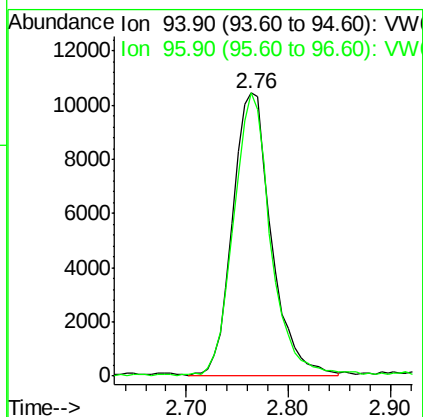
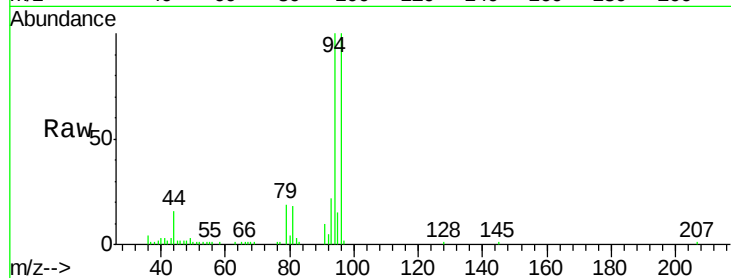
96 99.6 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 20.537 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011200.D

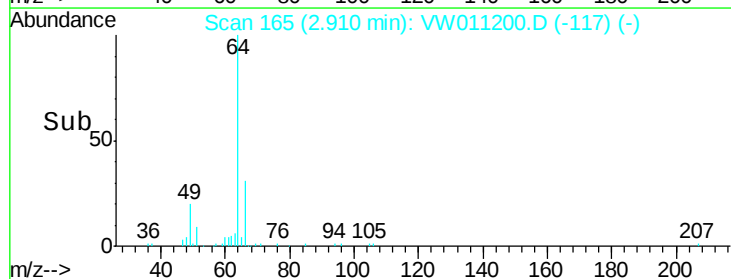
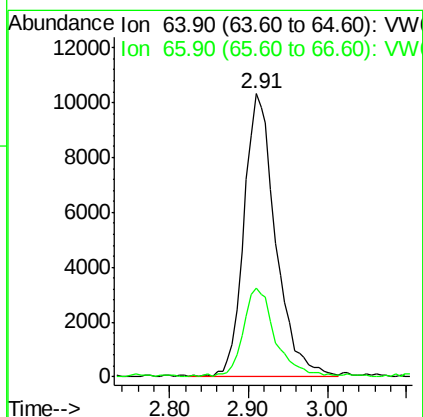
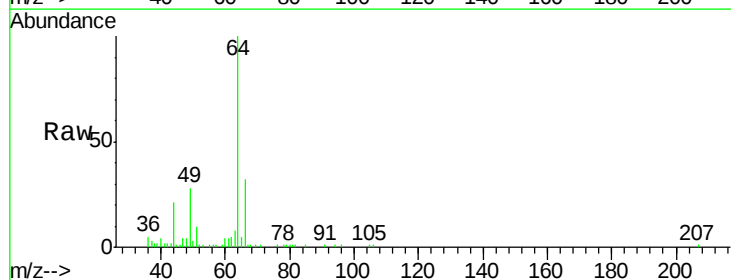
Acq: 10 Jul 2019 20:29

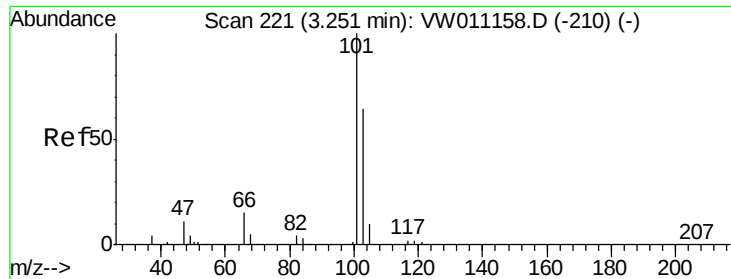
Tgt Ion: 64 Resp: 28909

Ion Ratio Lower Upper

64 100

66 31.5 25.8 38.8





#7

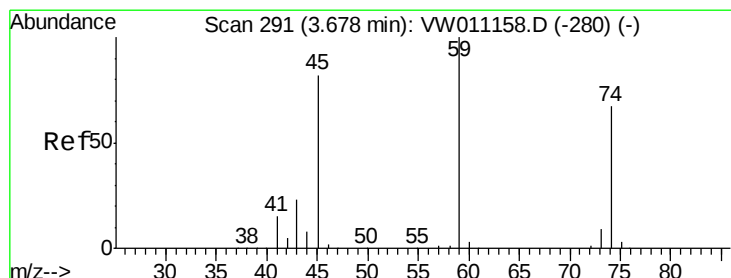
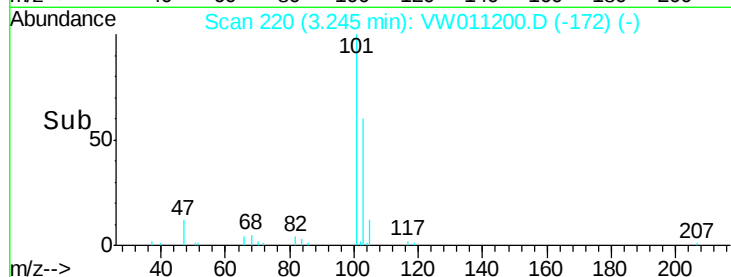
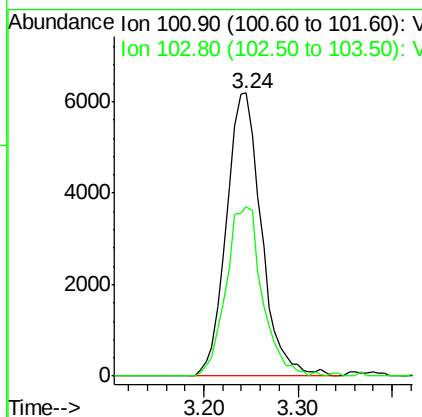
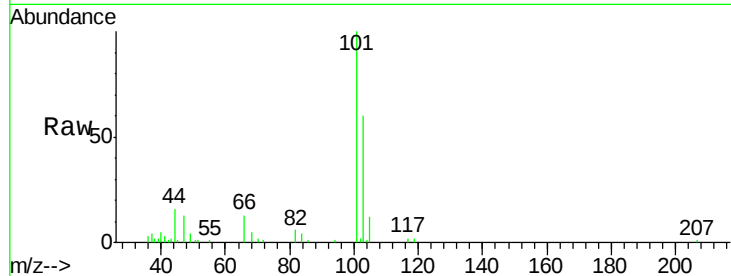
Trichlorofluoromethane
Concen: 17.269 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.8	51.3	76.9

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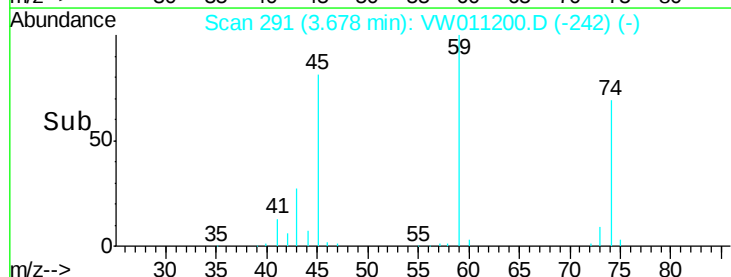
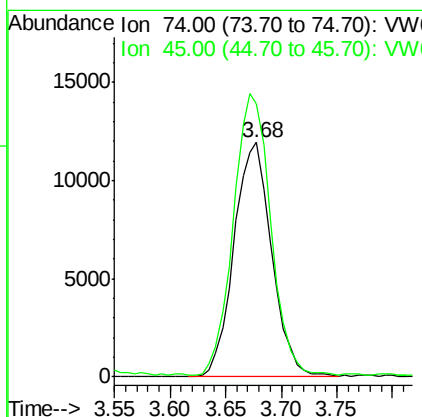
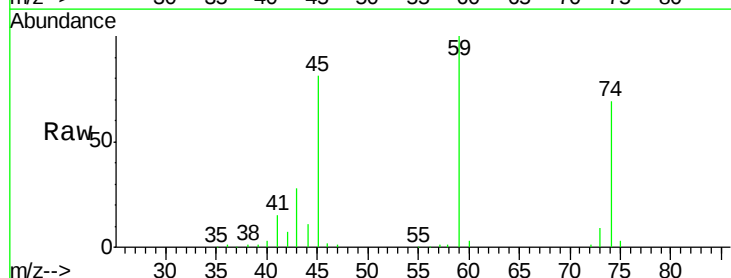
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#8

Diethyl Ether
Concen: 21.804 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.1	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.686 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

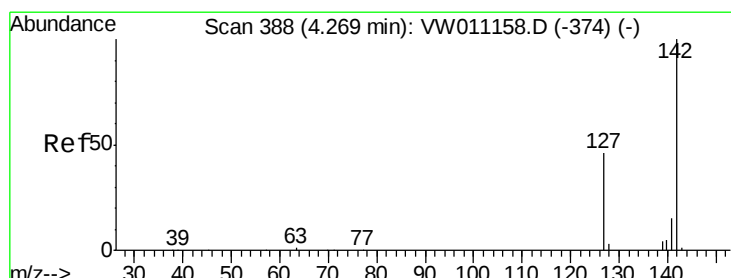
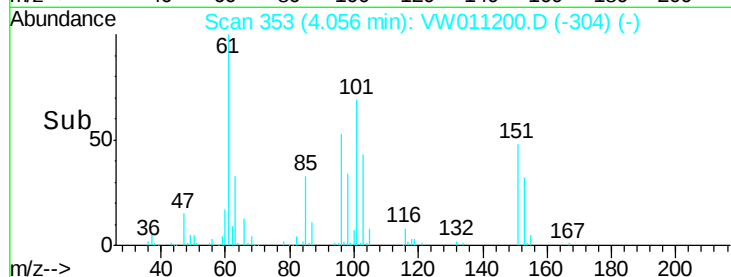
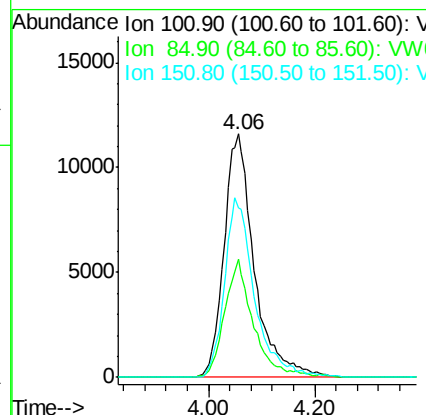
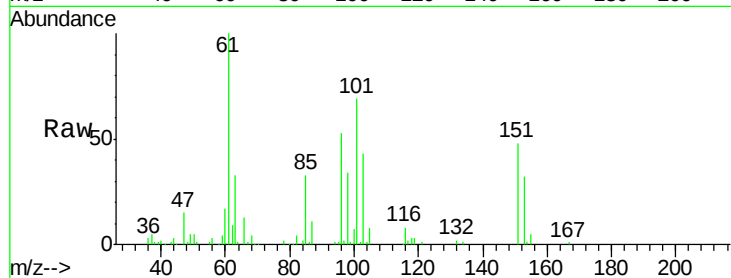
ClientSampleId :

VW0711SBS01

Tot Ion:	101	Resp:	46001
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.5	54.7
151	73.4	59.1	88.7

Manual Integrations
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#10

Methyl Iodide

Concen: 20.848 ug/l

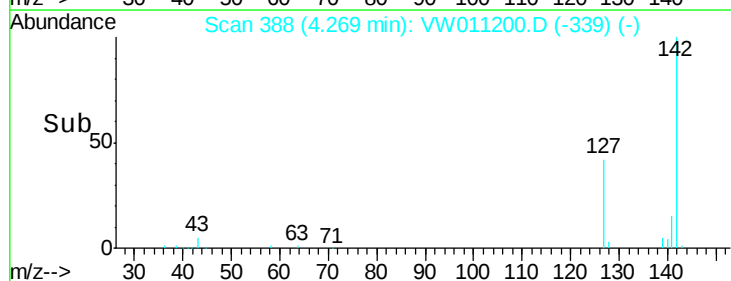
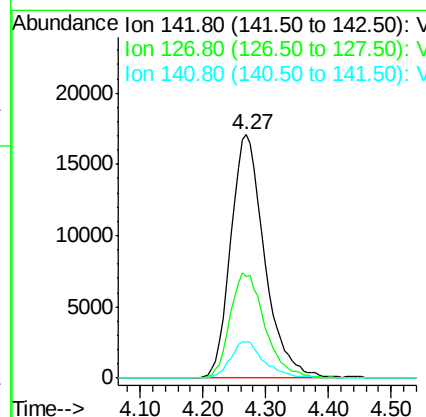
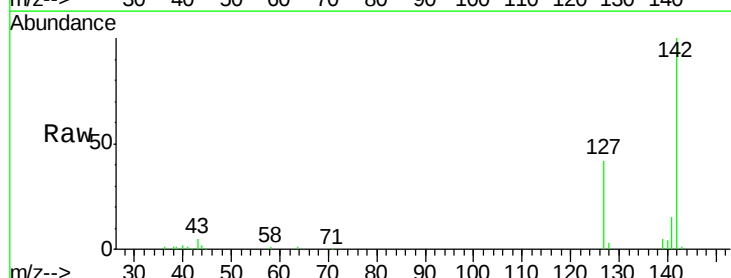
RT: 4.27 min Scan# 388

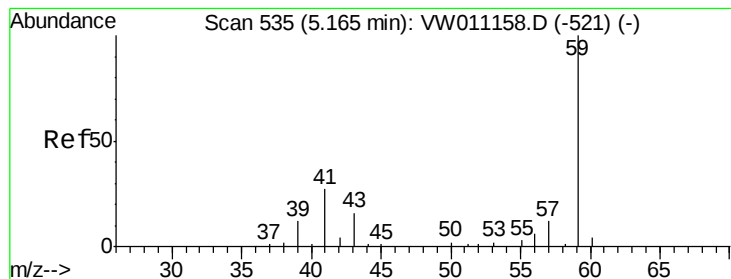
Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Tgt Ion:	142	Resp:	63765
Ion Ratio	Lower	Upper	
142	100		
127	44.5	35.7	53.5
141	15.0	11.5	17.3





#11

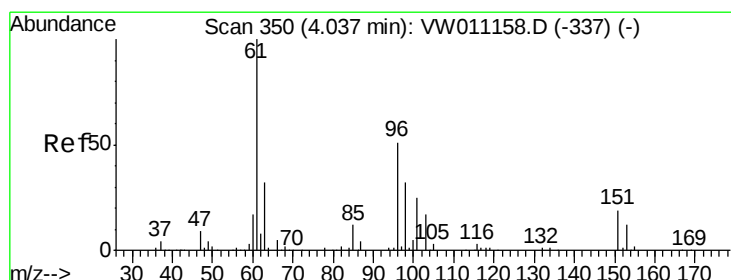
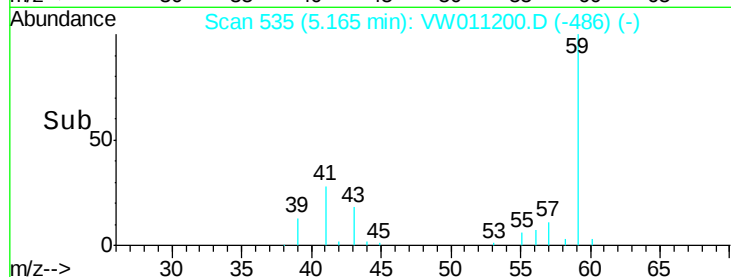
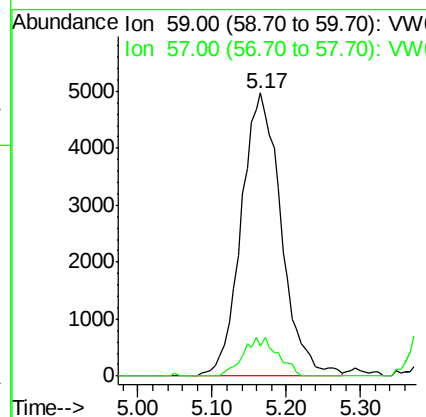
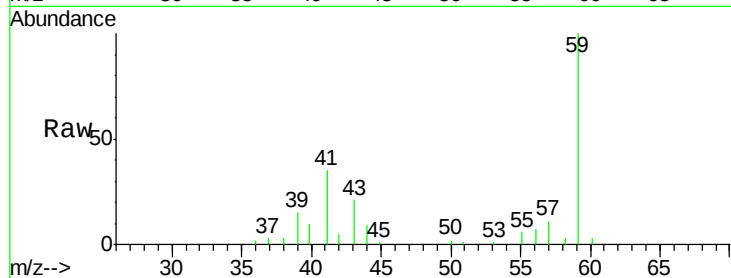
Tert butyl alcohol
 Concen: 96.591 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

Tot Ion	59.00 (58.70 to 59.70): VW	Resp	18670
Ion	Ratio	Lower	Upper
59	100		
57	11.9	9.0	13.6

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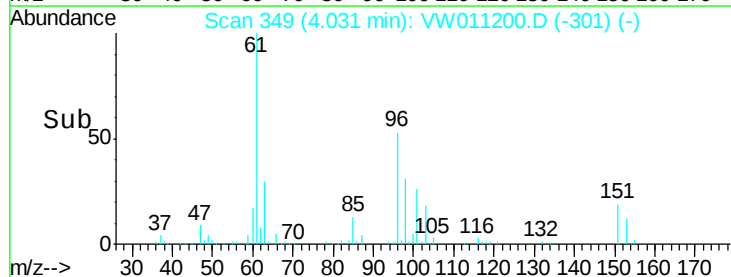
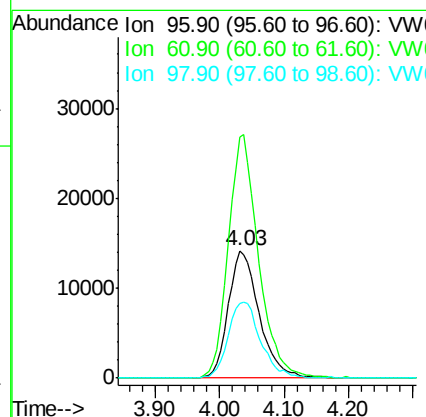
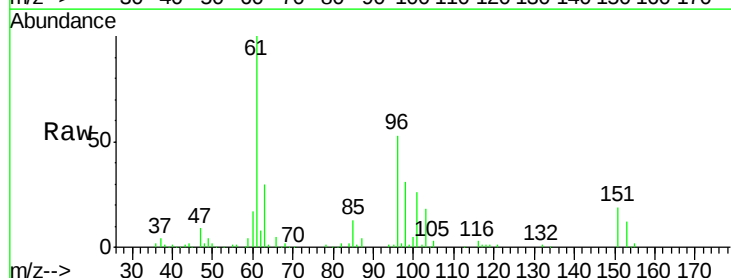
MMDadoda
 7/11/2019 2:50:09 PM

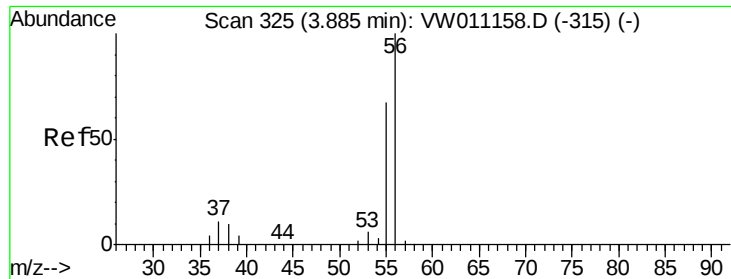


#12

1,1-Dichloroethene
 Concen: 20.741 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion	96	Resp	47873
Ion	Ratio	Lower	Upper
96	100		
61	188.8	157.7	236.5
98	58.7	50.9	76.3





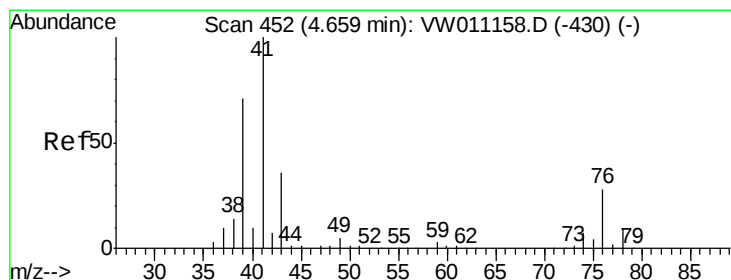
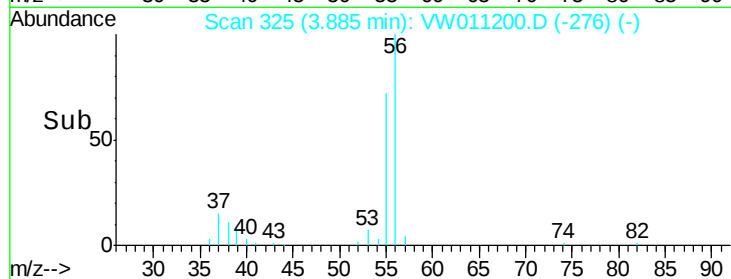
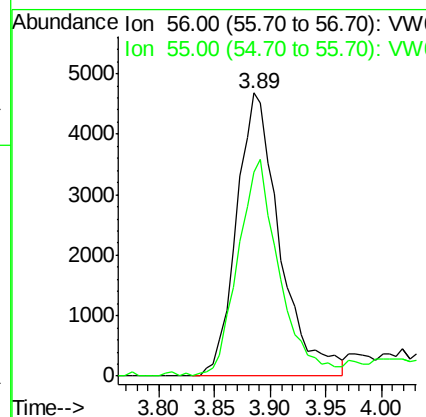
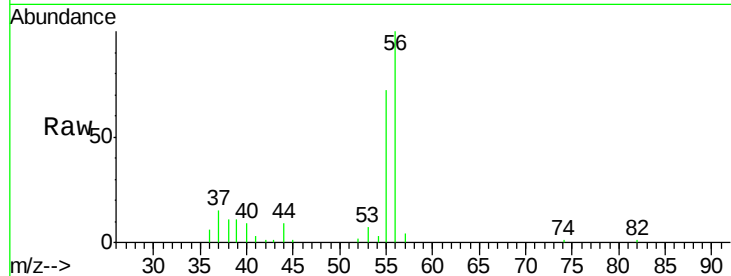
#13
 Acrolein
 Concen: 81.896 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Instrument :
 MSVOA_W
 ClientSampled :
 VW0711SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	73.2	56.4	84.6

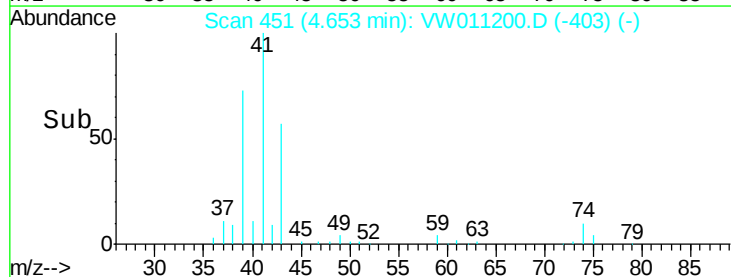
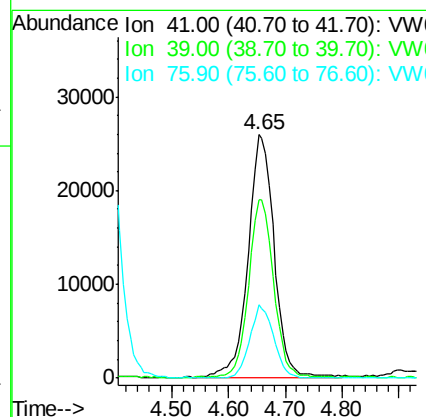
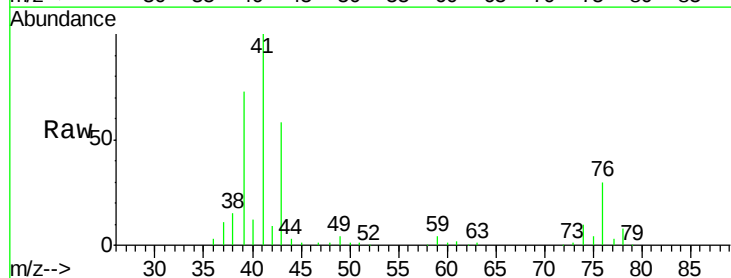
Manual Integrations
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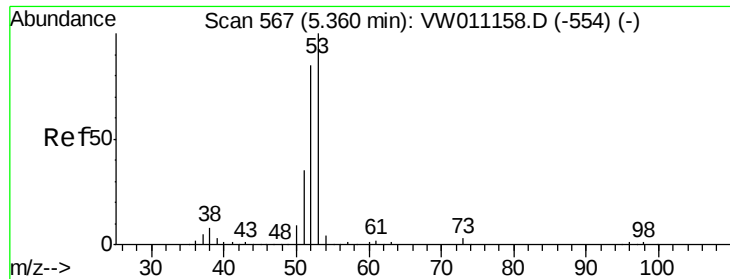
MMDadoda
 7/11/2019 2:50:09 PM



#14
 Allyl chloride
 Concen: 19.590 ug/l
 RT: 4.65 min Scan# 451
 Delta R.T. -0.01 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	69.8	55.1	82.7
76	76	27.5	22.5	33.7





#15

Acrylonitrile

Concen: 106.310 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

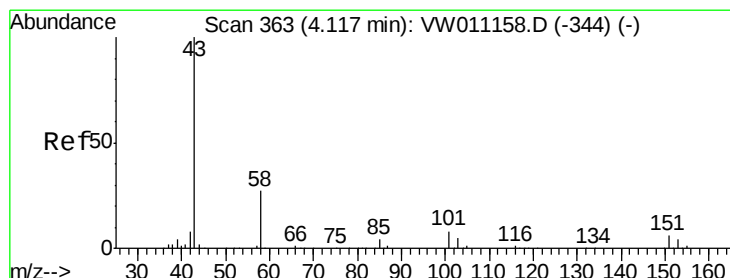
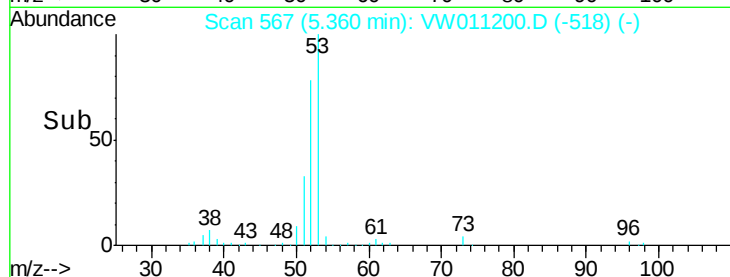
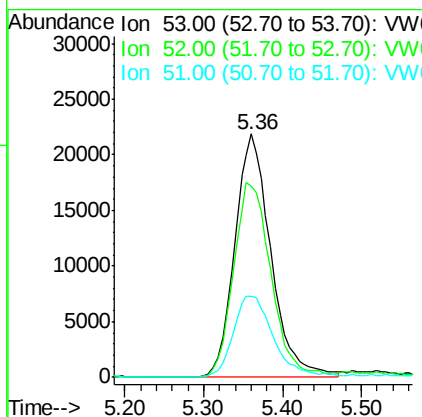
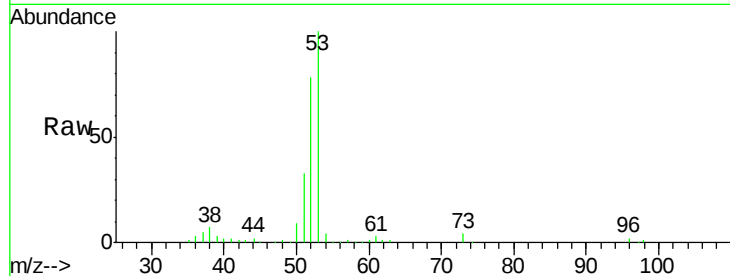
ClientSampleId :

VW0711SBS01

Tot Ion:	53	Resp:	69551
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.2	99.4
51	37.5	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 97.689 ug/l

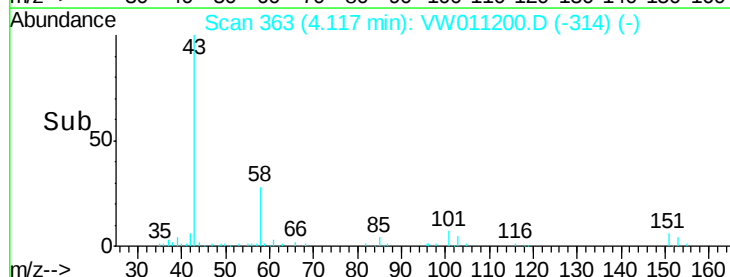
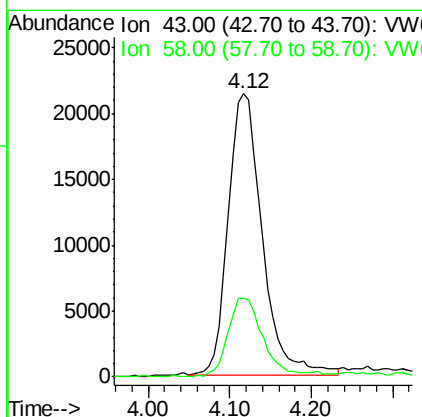
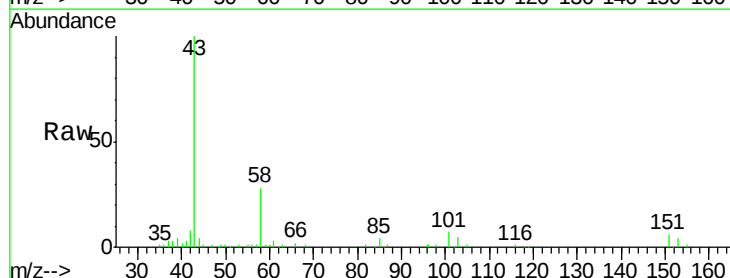
RT: 4.12 min Scan# 363

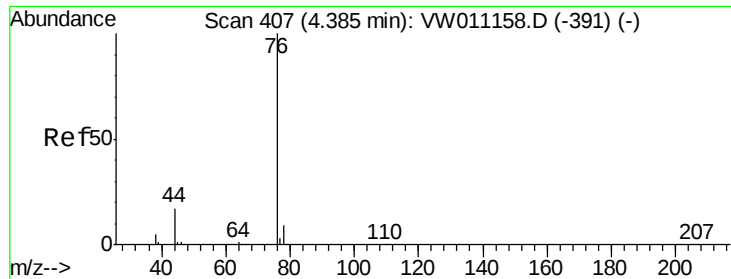
Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Tgt Ion:	43	Resp:	61365
Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.8	32.6





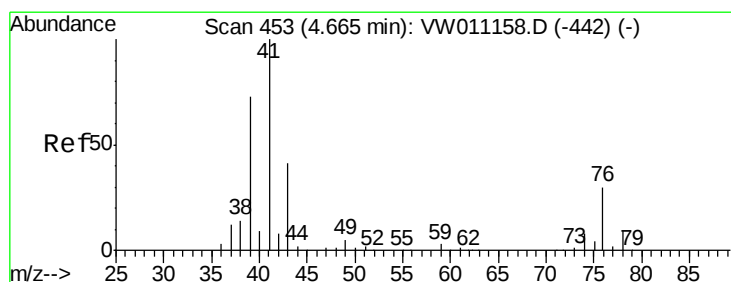
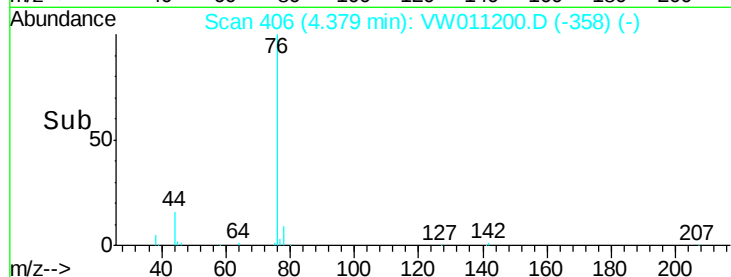
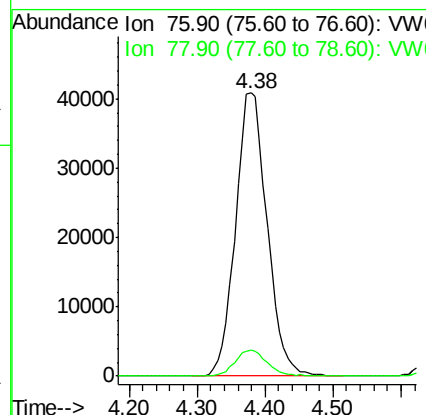
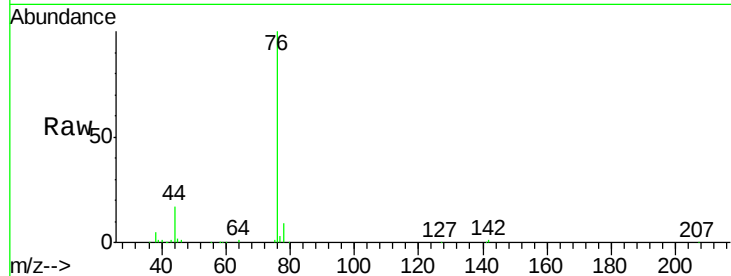
#17
Carbon Disulfide
Concen: 18.820 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

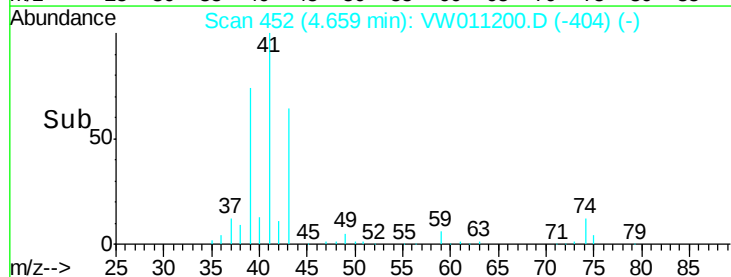
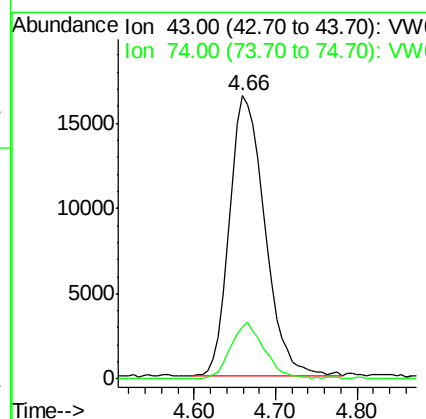
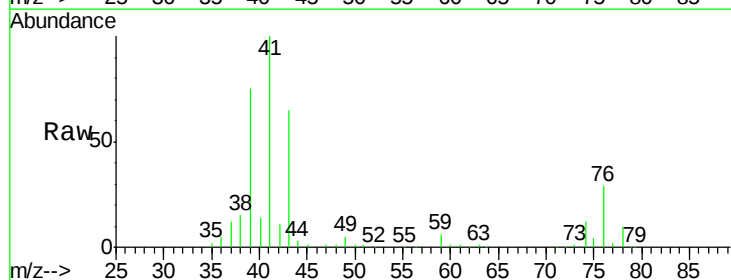
Manual Integrations
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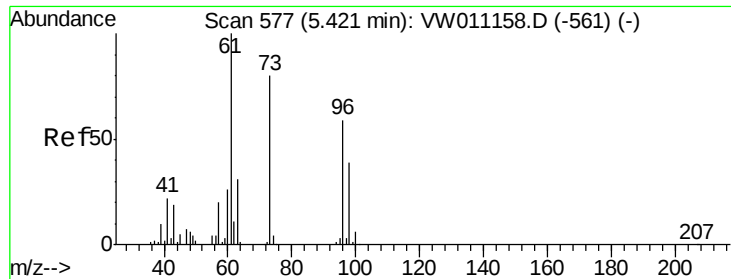
MMDadoda
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#18
Methyl Acetate
Concen: 27.010 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.1	15.7	23.5





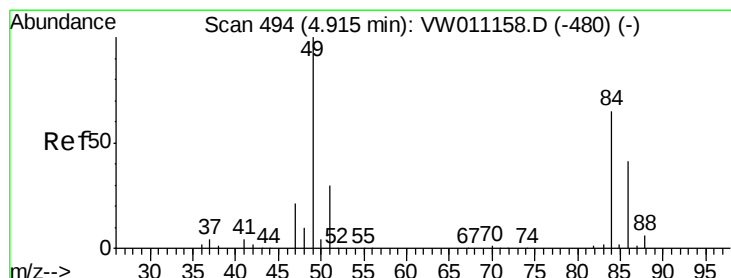
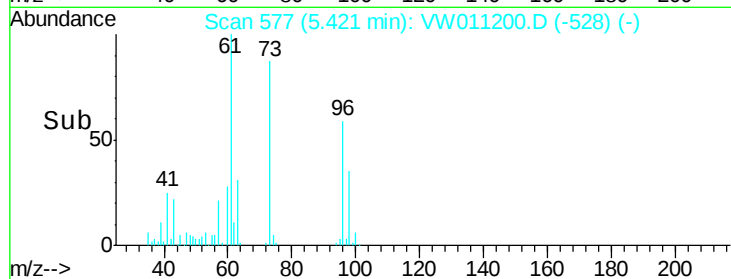
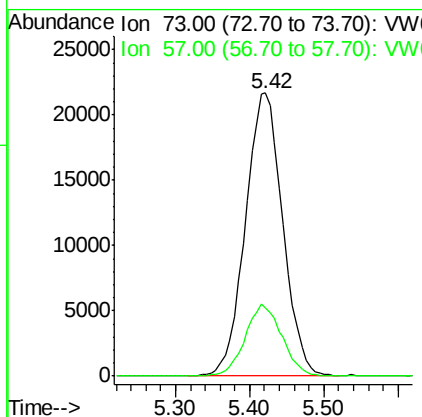
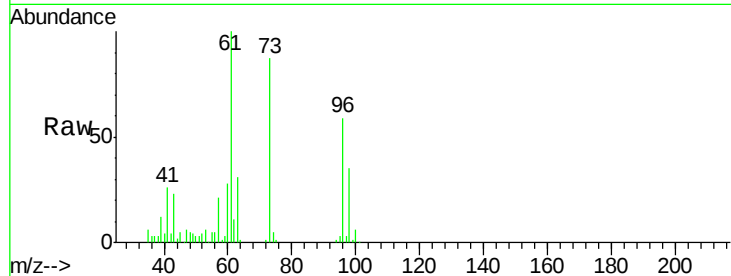
#19
Methvl tert-butvl Ether
Concen: 21.711 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion: 73 Resp: 76034
Ion Ratio Lower Upper
73 100
57 24.3 19.7 29.5

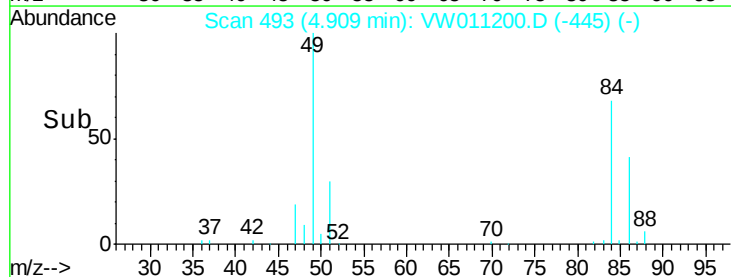
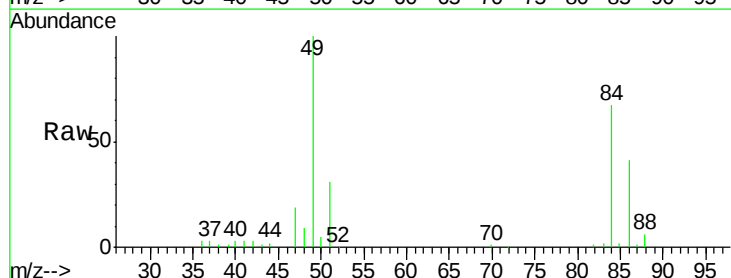
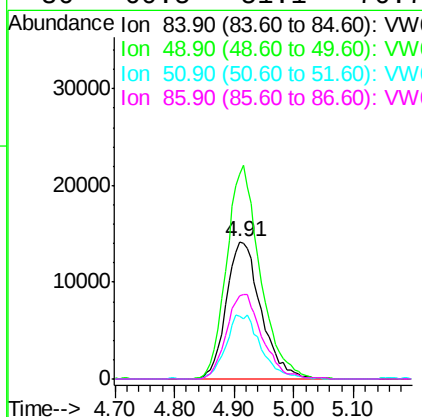
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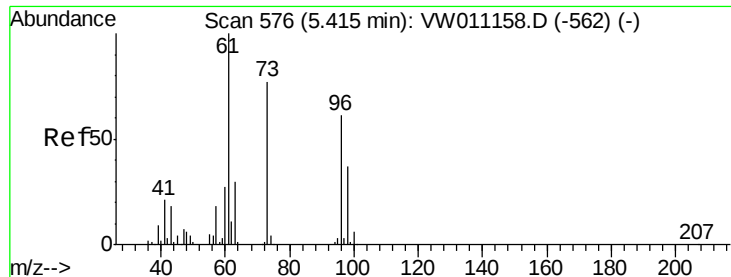
MMDadoda
7/11/2019 2:50:09 PM



#20
Methylene Chloride
Concen: 23.218 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion: 84 Resp: 57535
Ion Ratio Lower Upper
84 100
49 148.8 123.8 185.6
51 45.5 37.4 56.2
86 60.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 20.917 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

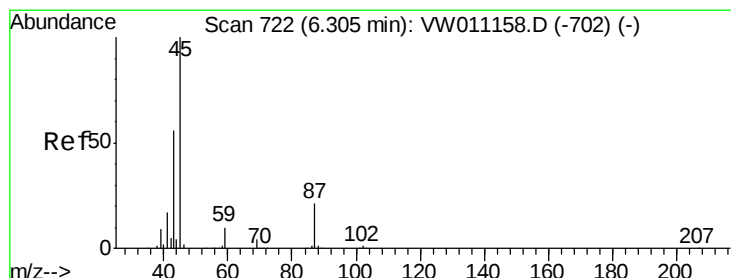
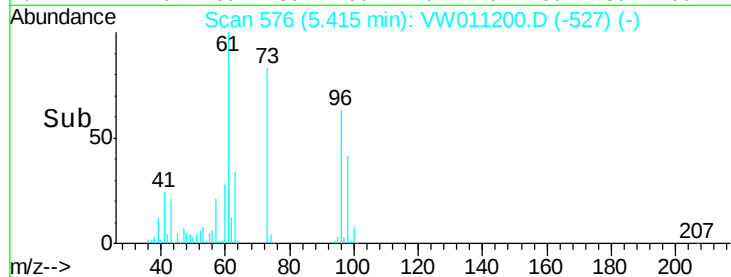
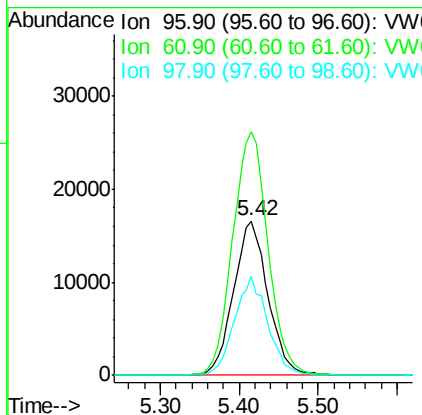
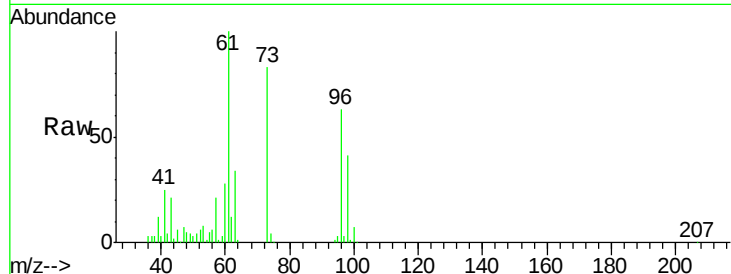
ClientSampleId :

VW0711SBS01

Tot Ion:	96	Resp:	50167
Ion	Ratio	Lower	Upper
96	100		
61	158.0	132.2	198.2
98	64.3	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.226 ug/l

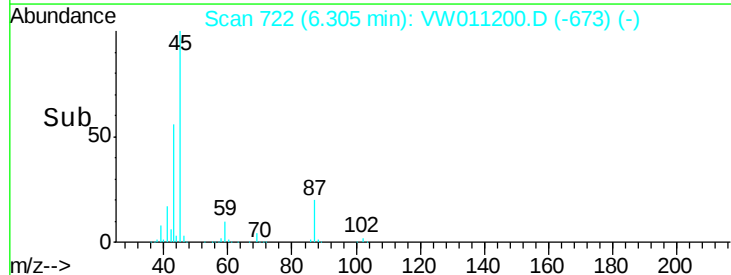
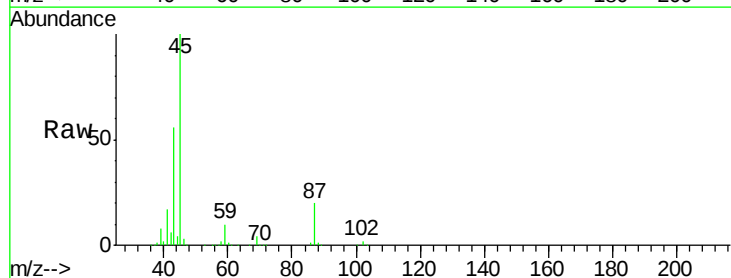
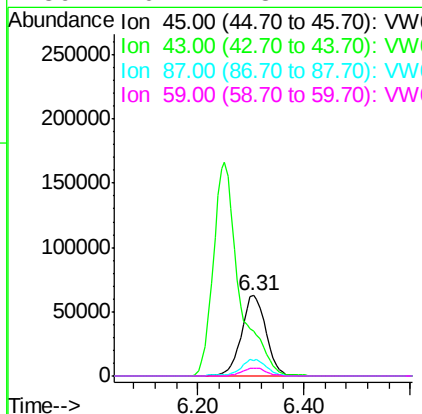
RT: 6.31 min Scan# 722

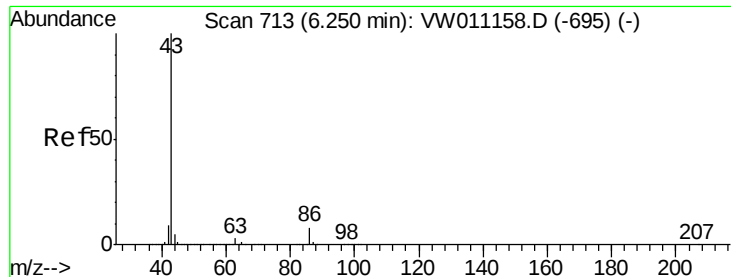
Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Tgt Ion:	45	Resp:	201208
Ion	Ratio	Lower	Upper
45	100		
43	55.8	44.6	66.8
87	19.8	17.3	25.9
59	10.2	8.2	12.2





#23

Vinyl Acetate

Concen: 99.938 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

Tot Ion: 43 Resp: 559897

Ion Ratio Lower Upper

43 100

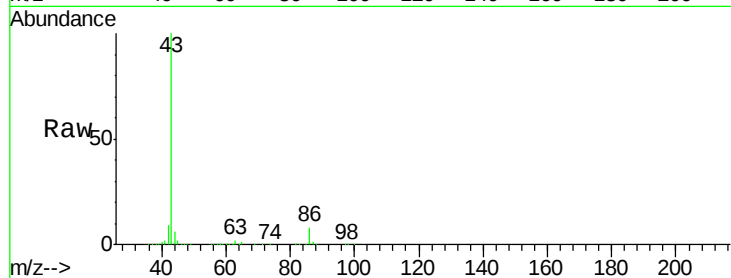
86 8.3 6.5 9.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

150000

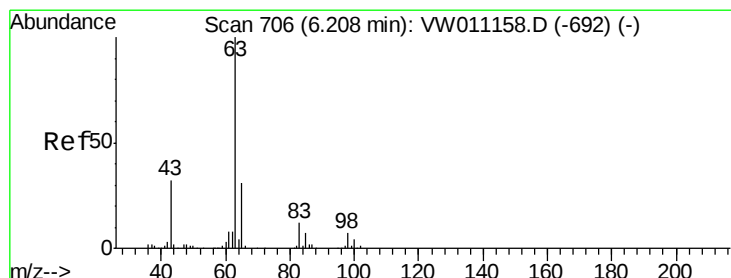
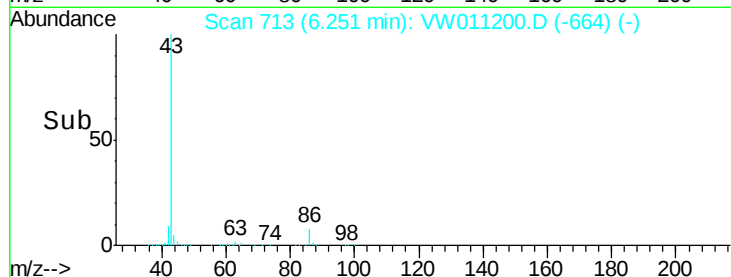
100000

50000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 21.891 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

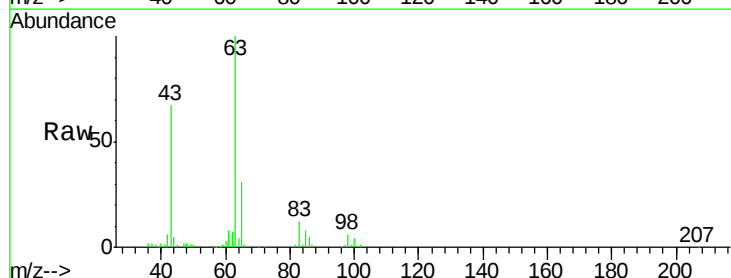
Tgt Ion: 63 Resp: 104064

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 3.8 2.1 6.2



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

40000

30000

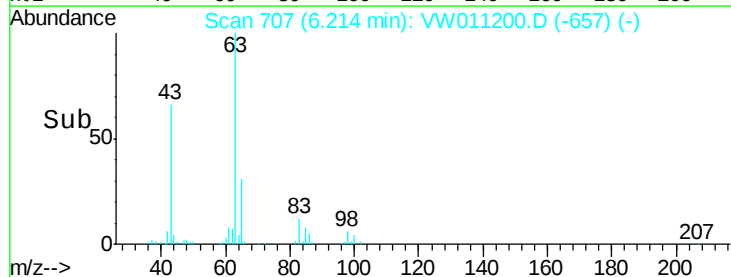
20000

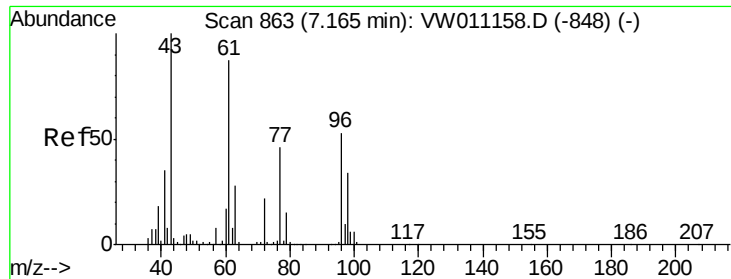
10000

0

6.10 6.20 6.30

Time-->





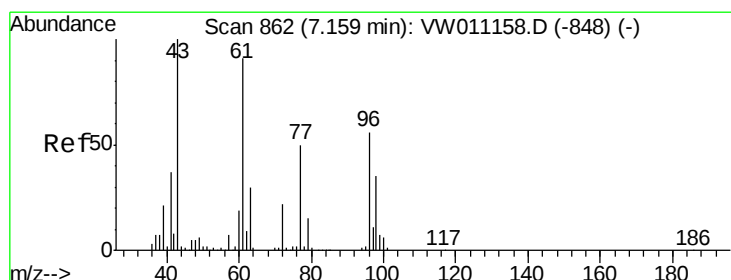
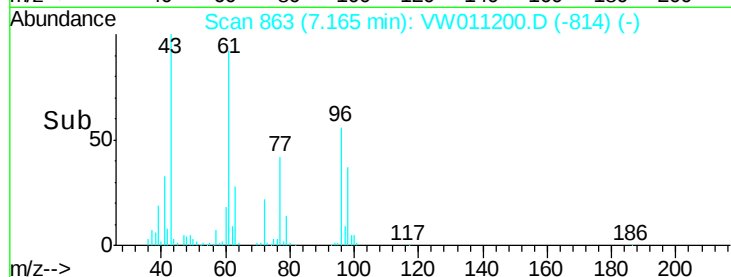
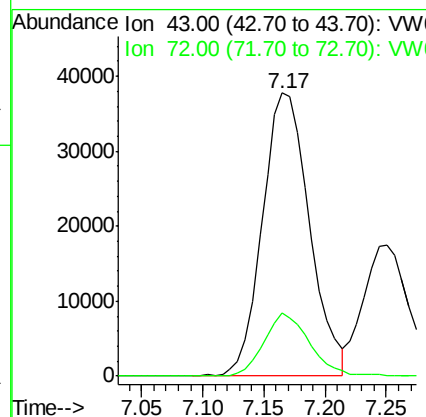
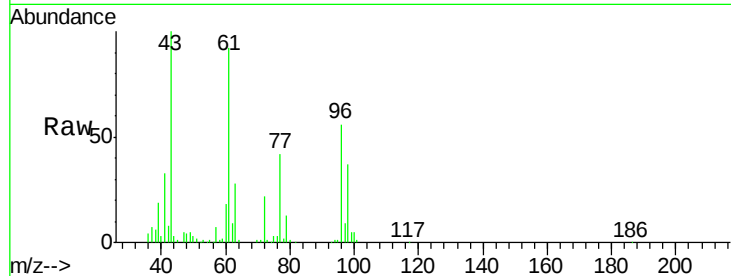
#25
2-Butanone
Concen: 102.402 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion: 43 Resp: 100974
Ion Ratio Lower Upper
43 100
72 22.4 17.6 26.4

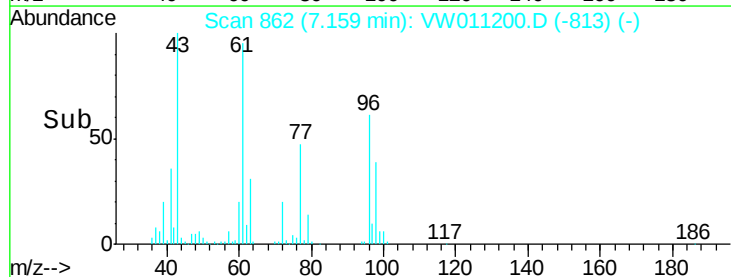
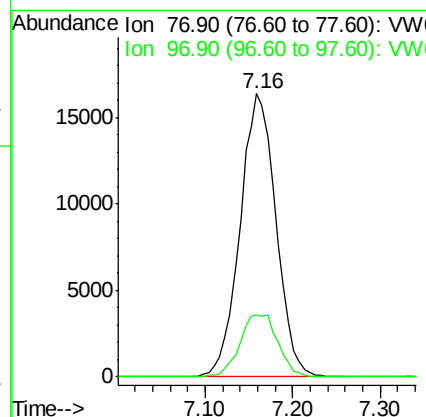
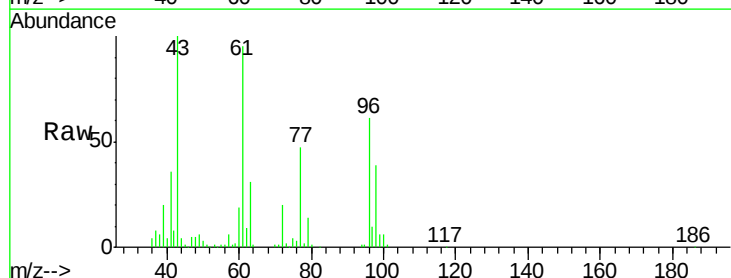
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 18.907 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion: 77 Resp: 46719
Ion Ratio Lower Upper
77 100
97 23.3 11.2 33.5





#27

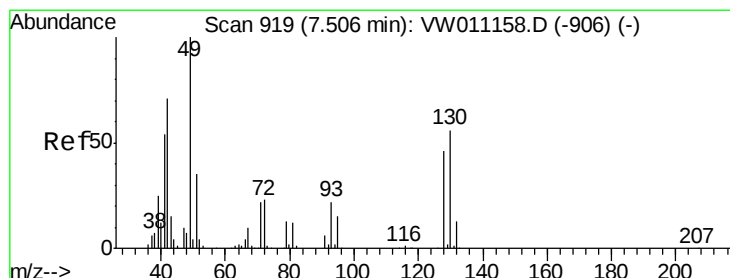
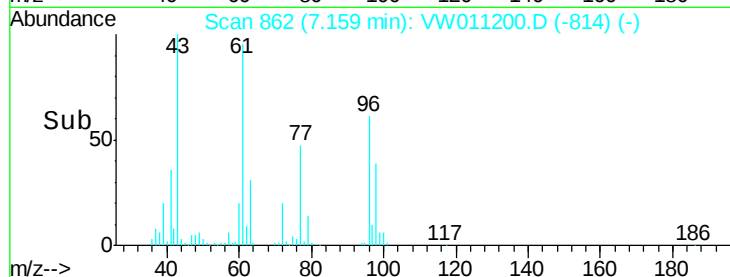
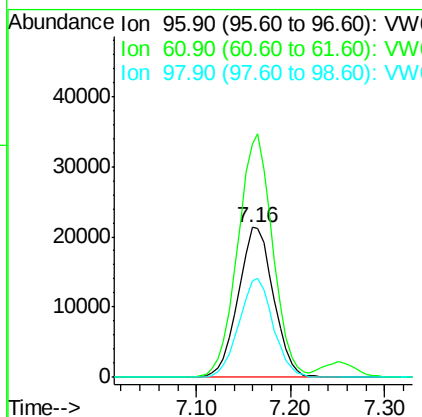
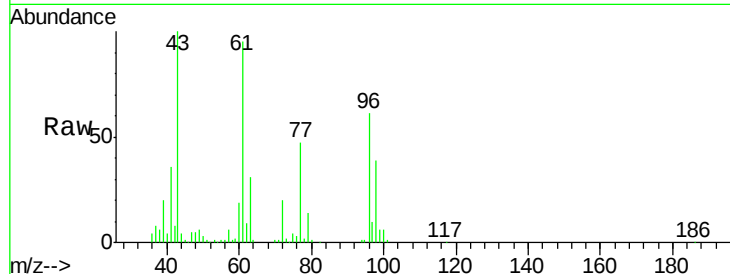
cis-1,2-Dichloroethene
Concen: 21.668 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.0	0.0	325.6
98	64.0	0.0	128.2

Manual Integrations
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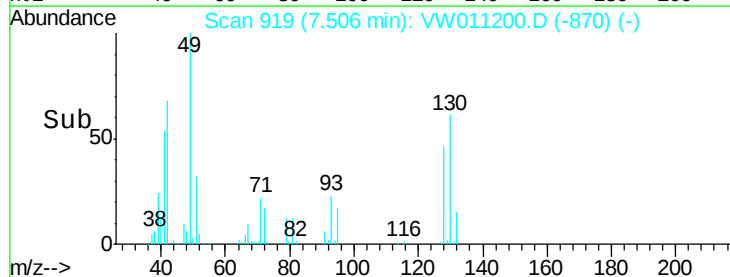
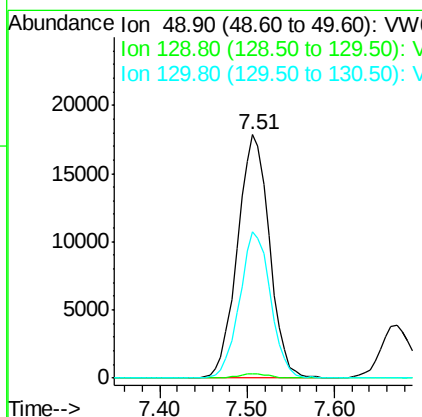
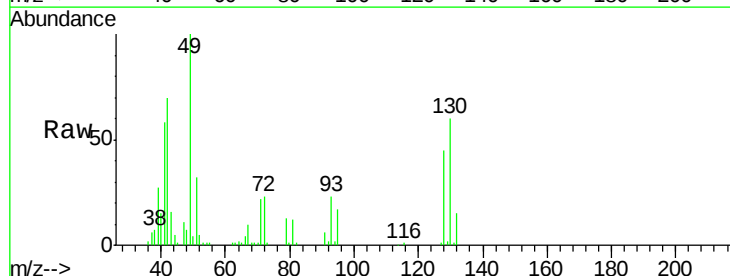
MMDadoda
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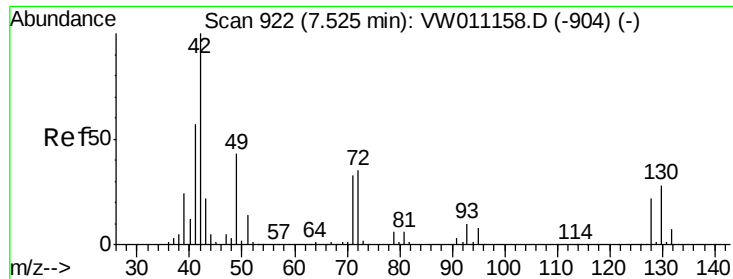


#28

Bromochloromethane
Concen: 20.958 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	1.4#
130	57.9	45.8	68.8





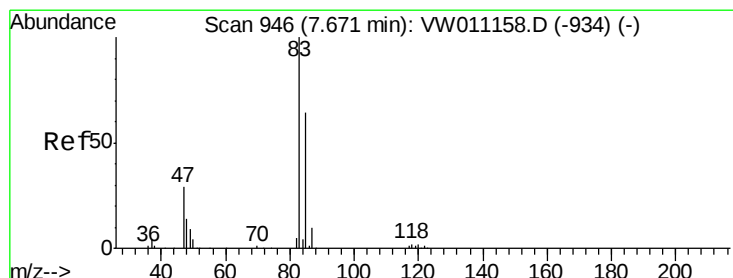
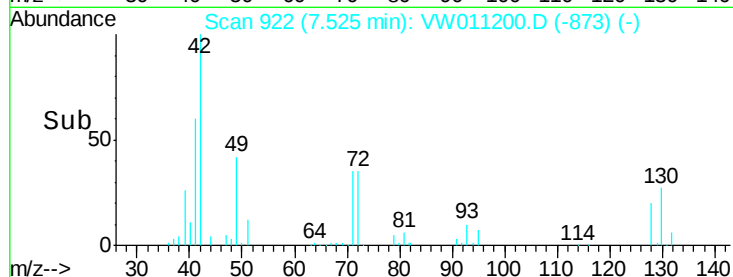
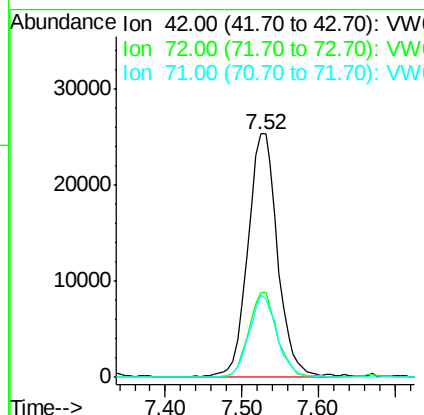
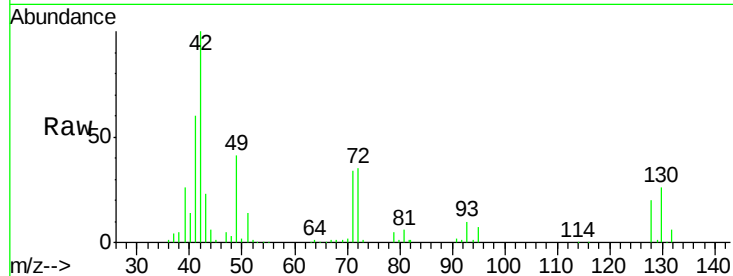
#29
Tetrahydrofuran
Concen: 105.539 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.7	27.4	41.2
71	32.2	25.9	38.9

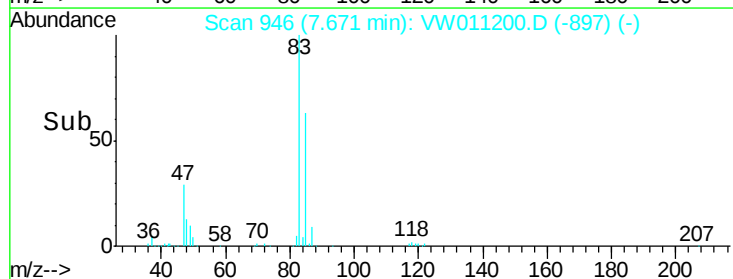
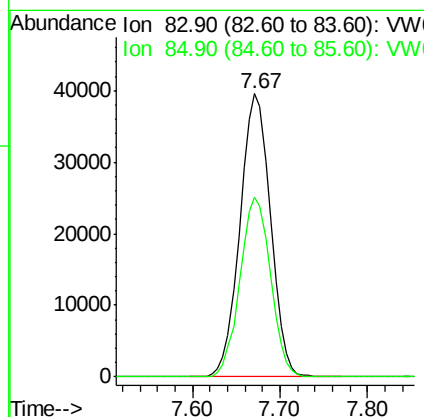
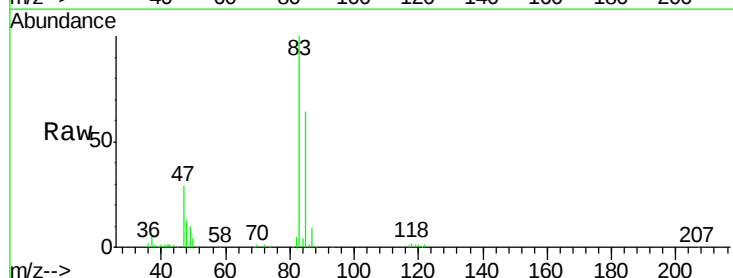
Manual Integrations
APPROVED

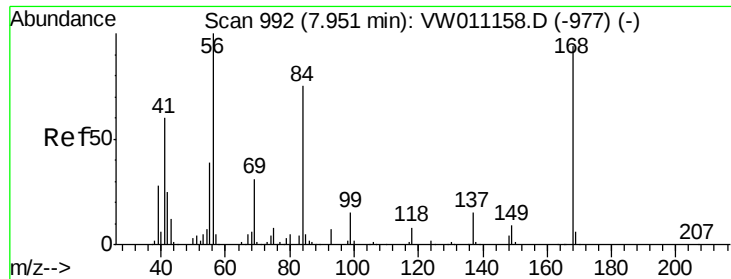
MMDadoda
7/11/2019 2:50:09 PM



#30
Chloroform
Concen: 21.802 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.4	77.2





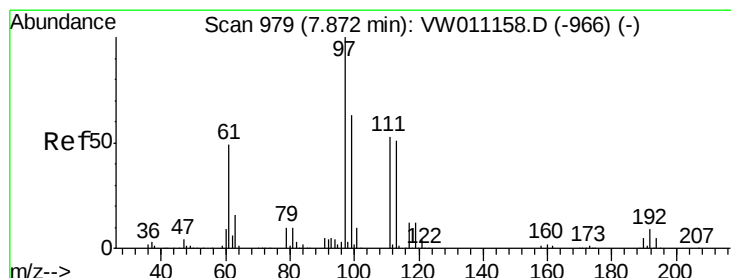
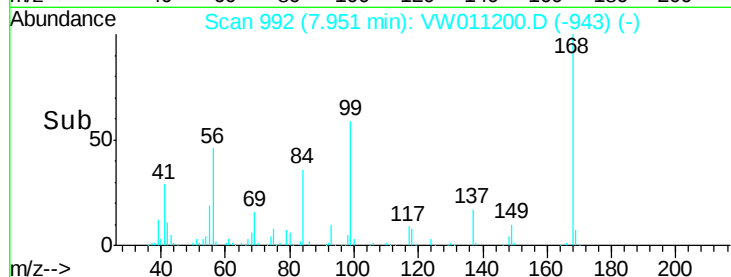
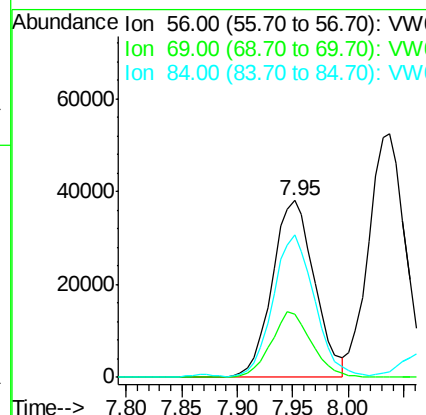
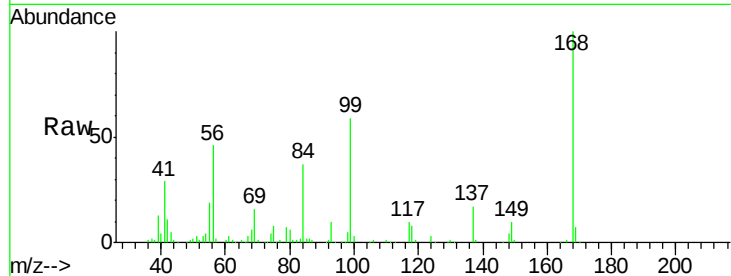
#31
Cyclohexane
Concen: 19.928 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	24.6	36.8
84	79.9	60.1	90.1

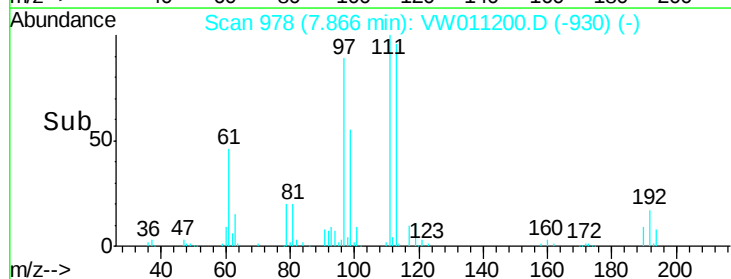
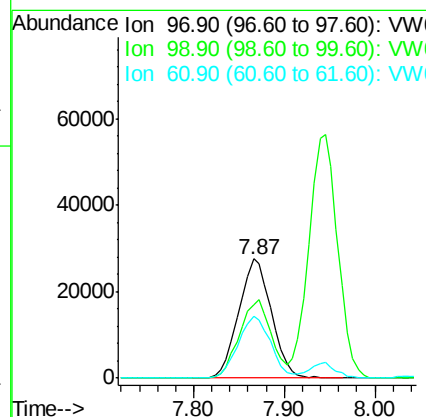
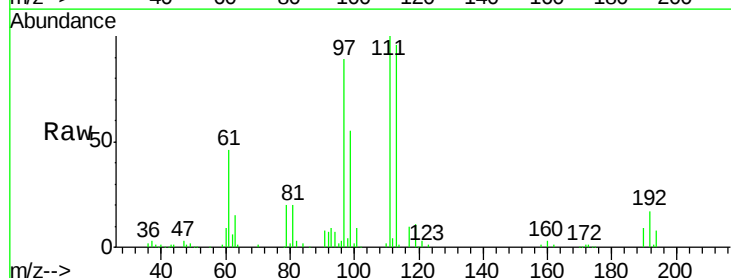
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 20.565 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	52.0	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 52.380 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

Tot Ion: 65 Resp: 136748

Ion Ratio Lower Upper

65 100

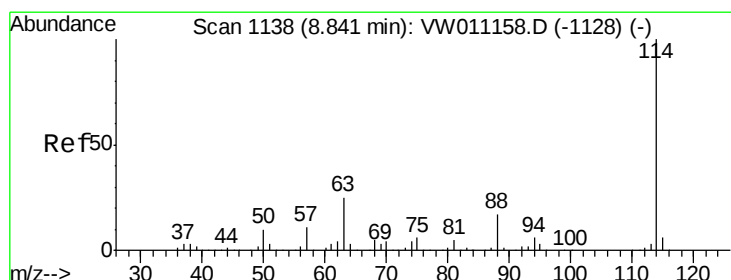
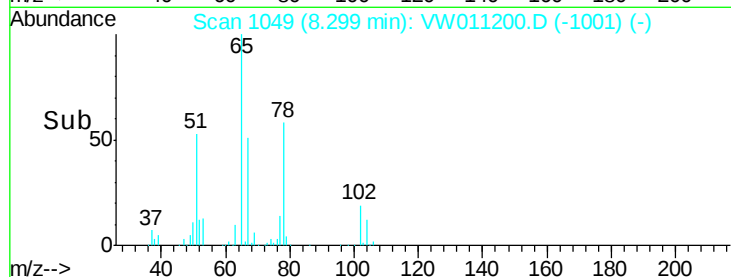
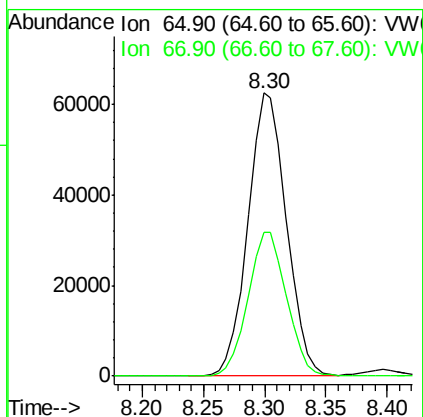
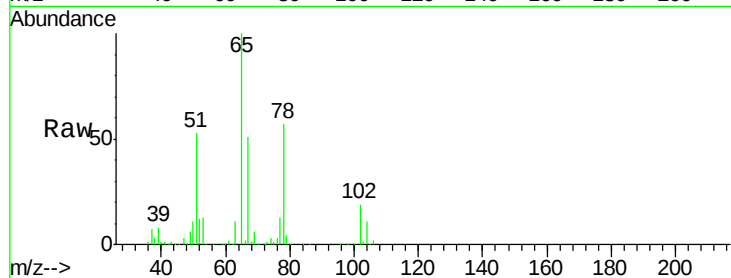
67 51.2 0.0 104.4

Manual Integrations

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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: VW011200.D

Acq: 10 Jul 2019 20:29

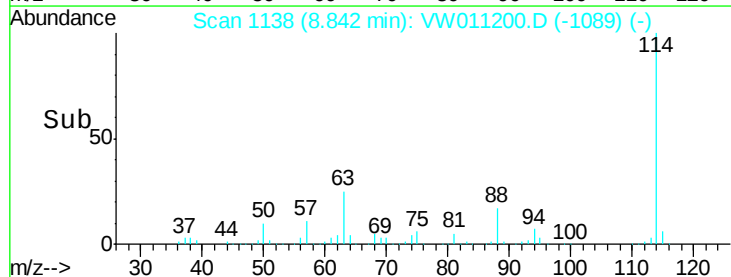
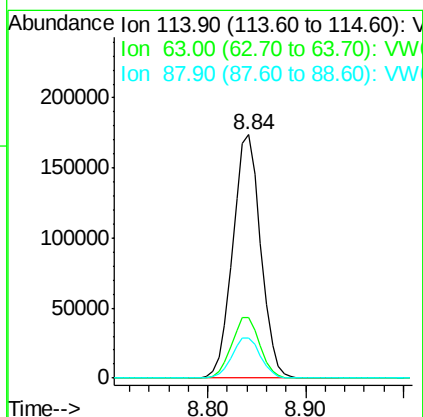
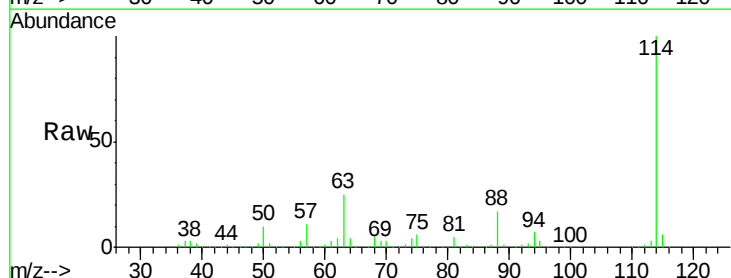
Tgt Ion: 114 Resp: 343089

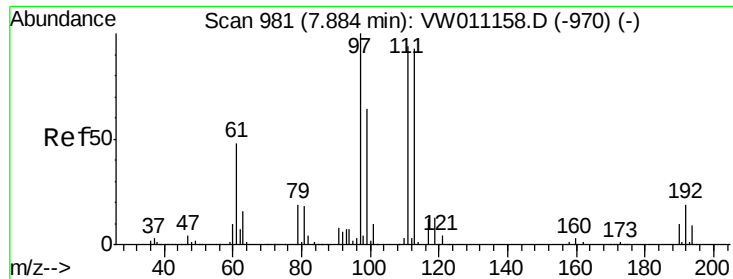
Ion Ratio Lower Upper

114 100

63 24.7 0.0 50.8

88 16.5 0.0 34.2





#35

Dibromofluoromethane

Concen: 52.330 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

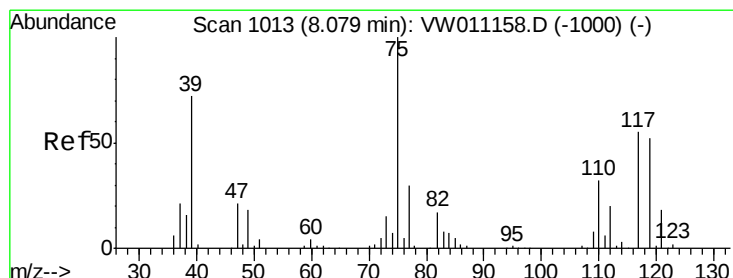
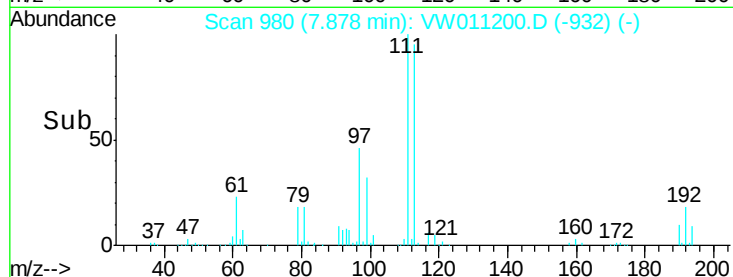
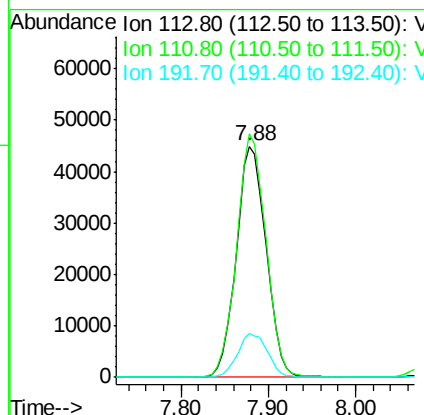
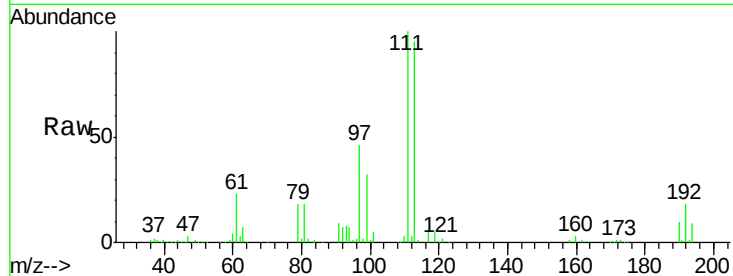
ClientSampleId :

VW0711SBS01

Tot Ion:	113	Resp:	107013
Ion Ratio	Lower	Upper	
113	100		
111	103.5	82.4	123.6
192	19.1	15.8	23.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.420 ug/l

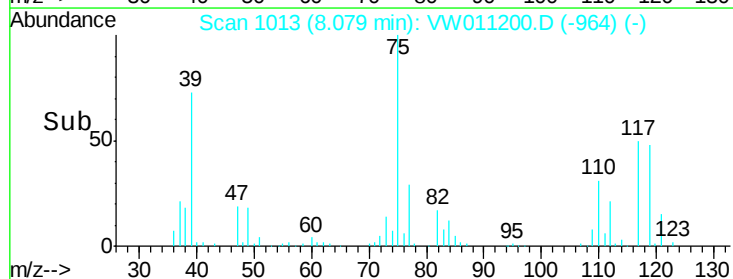
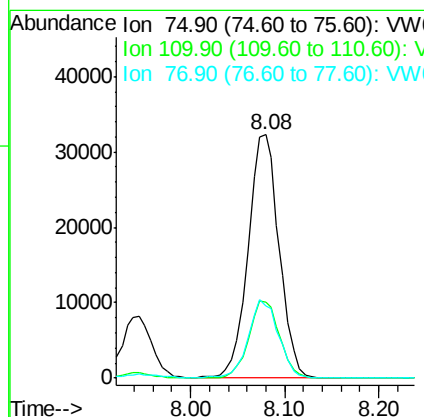
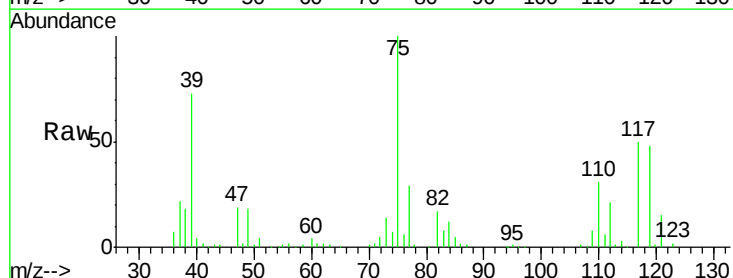
RT: 8.08 min Scan# 1013

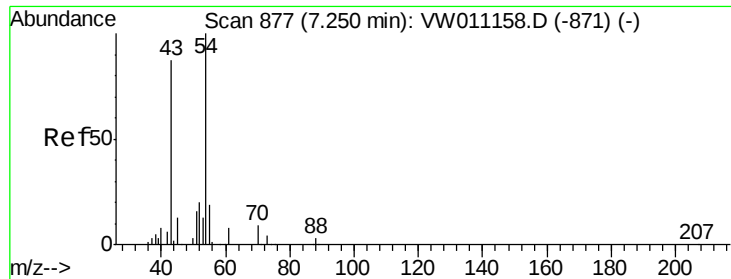
Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Tgt Ion:	75	Resp:	74605
Ion Ratio	Lower	Upper	
75	100		
110	31.3	15.9	47.6
77	31.4	24.6	36.8





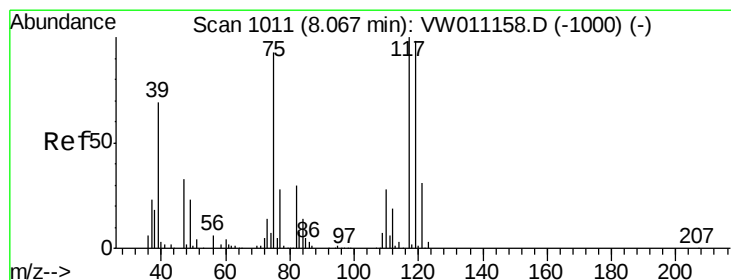
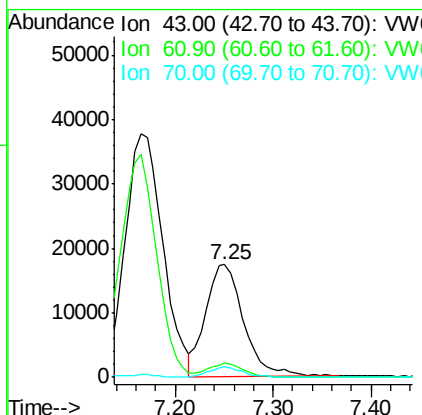
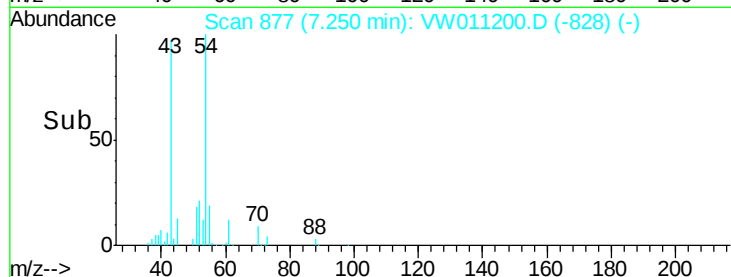
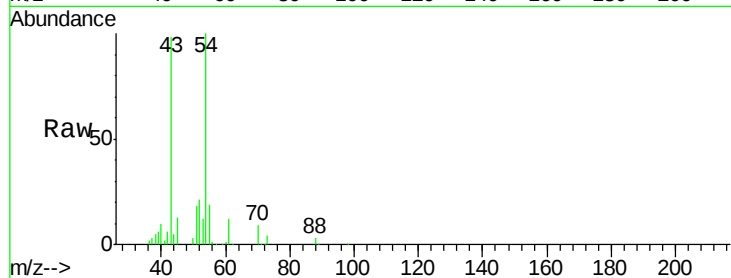
#37
Ethyl Acetate
Concen: 21.197 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.5	14.3
70	8.5	7.1	10.7

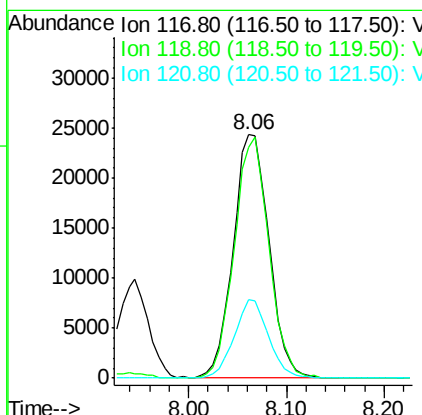
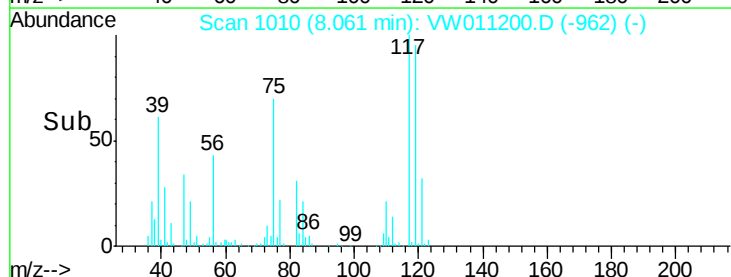
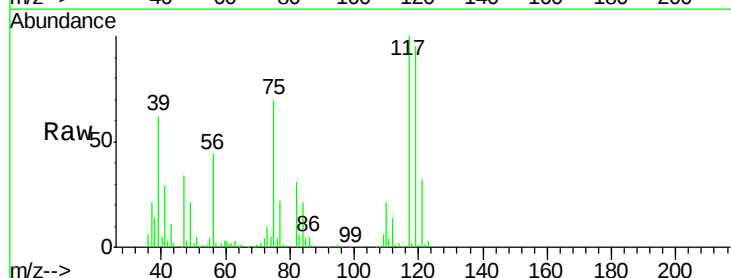
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 20.045 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	78.1	117.1
121	32.3	25.1	37.7





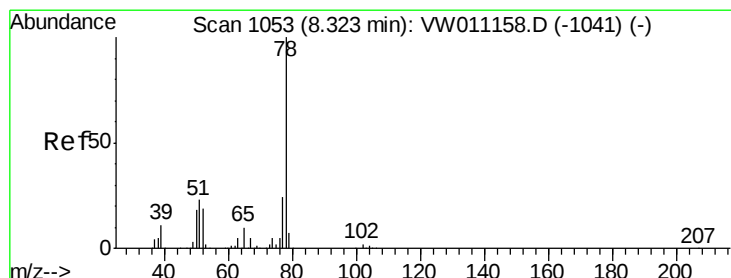
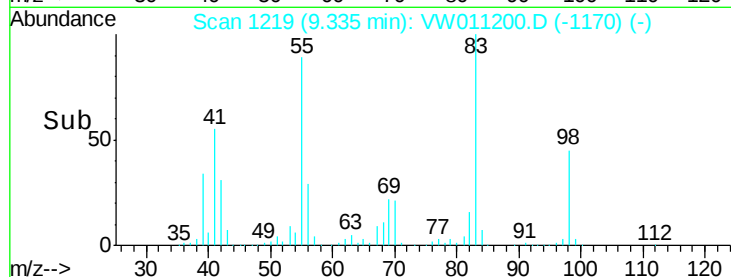
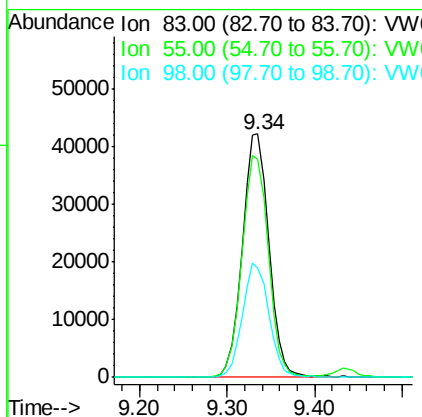
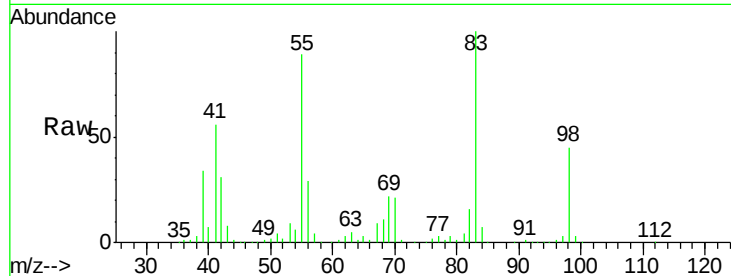
#39
Methvlcvclohexane
Concen: 20.143 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion	83.00	Resp	89199
Ion Ratio	100	Lower	Upper
83	100		
55	89.4	71.2	106.8
98	45.0	37.5	56.3

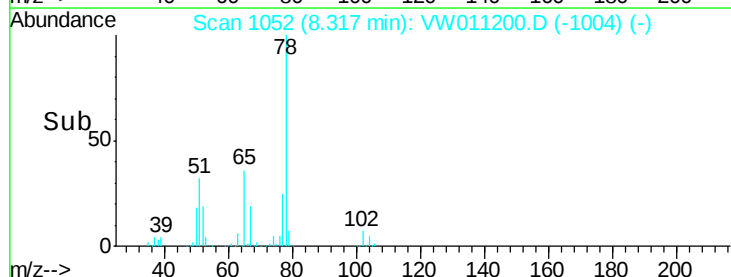
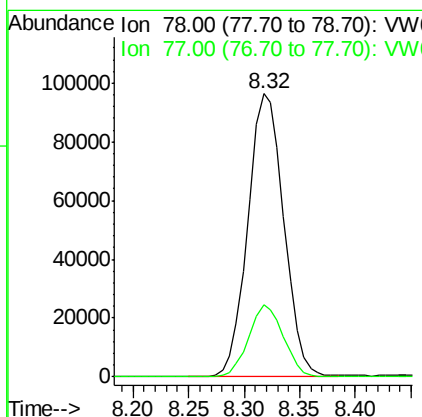
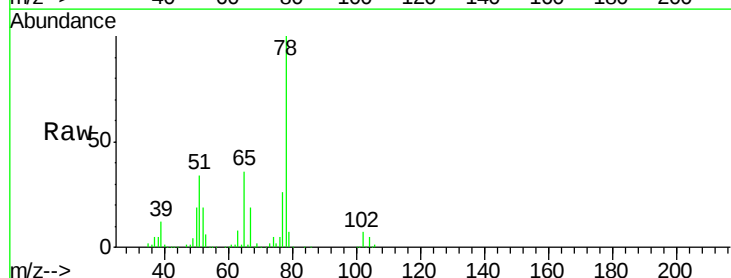
Manual Integrations
APPROVED

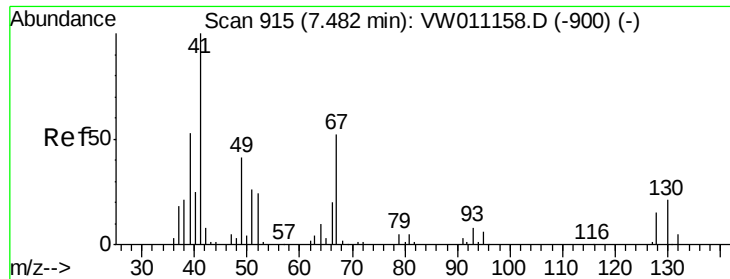
MMDadoda
7/11/2019 2:50:09 PM



#40
Benzene
Concen: 21.520 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion	78.00	Resp	217292
Ion Ratio	100	Lower	Upper
78	100		
77	25.6	19.0	28.6





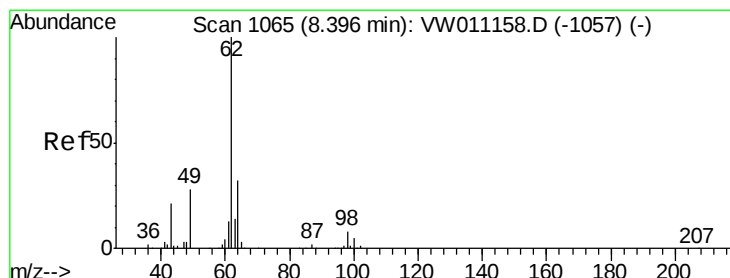
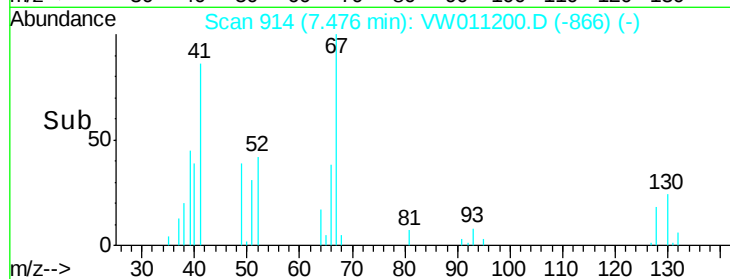
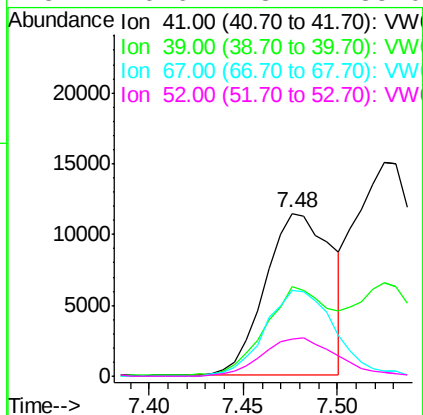
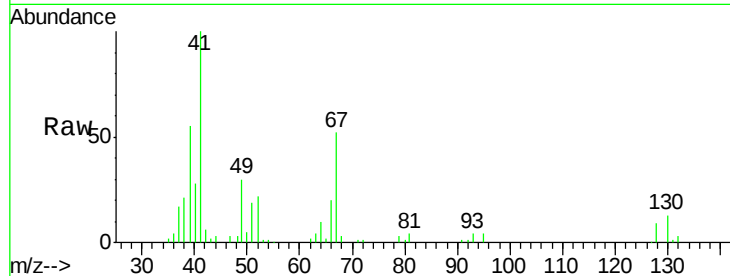
#41
Methacrylonitrile
Concen: 22.437 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion:	41	Resp:	28170
Ion	Ratio	Lower	Upper
41	100		
39	53.1	48.0	72.0
67	55.6	49.7	74.5
52	26.6	23.4	35.0

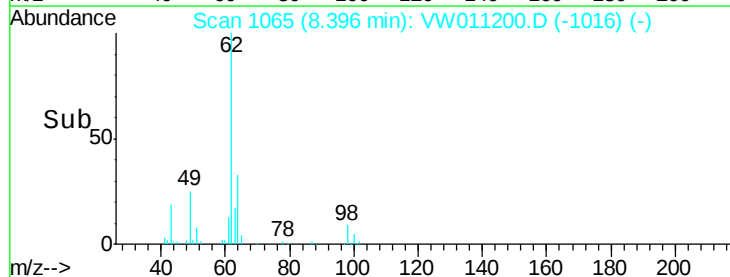
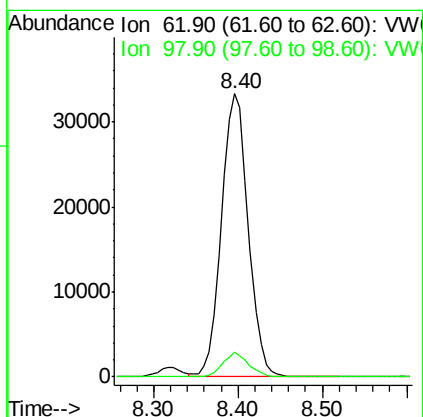
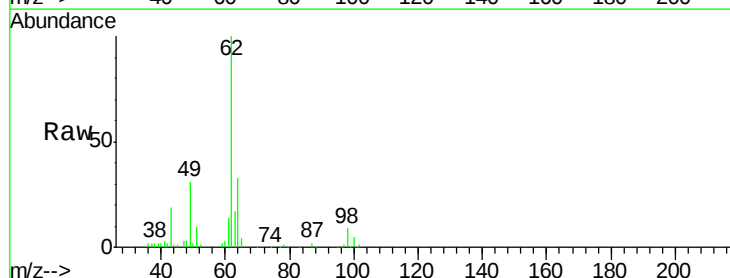
Manual Integrations
APPROVED

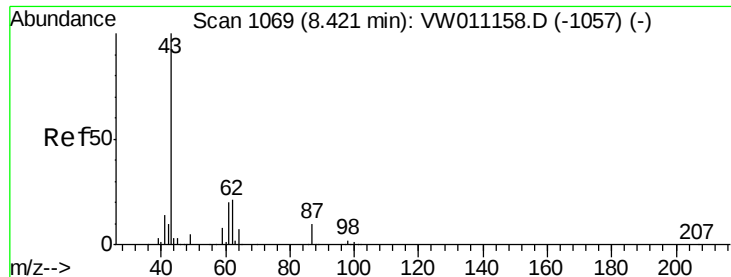
MMDadoda
7/11/2019 2:50:09 PM



#42
1,2-Dichloroethane
Concen: 22.156 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion:	62	Resp:	72572
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.8





#43

Isopropyl Acetate

Concen: 20.749 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

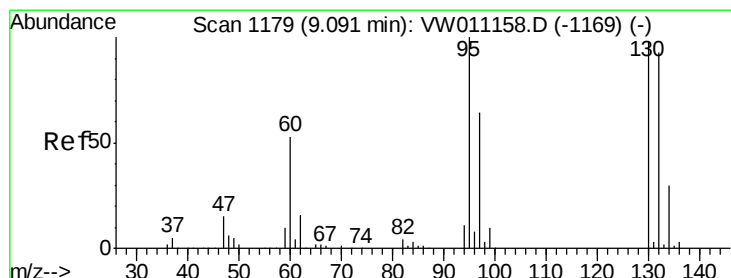
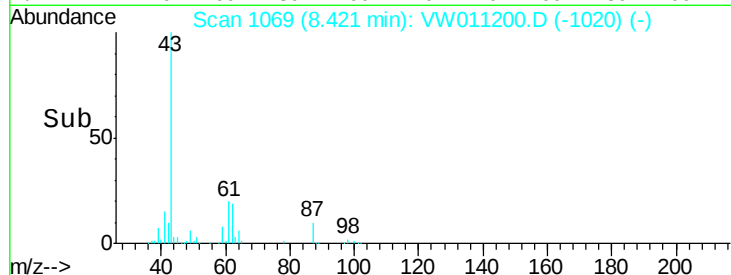
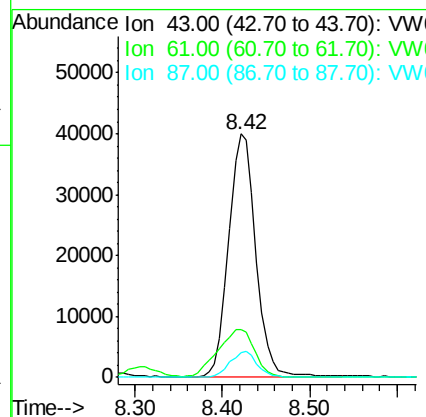
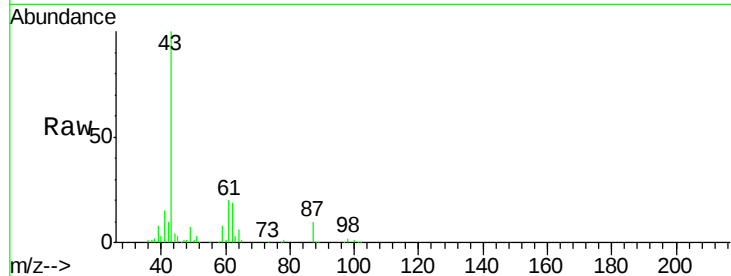
ClientSampleId :

VW0711SBS01

Tot Ion:	43	Resp:	85992
Ion	Ratio	Lower	Upper
43	100		
61	27.0	20.7	31.1
87	10.7	8.1	12.1

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#44

Trichloroethene

Concen: 21.261 ug/l

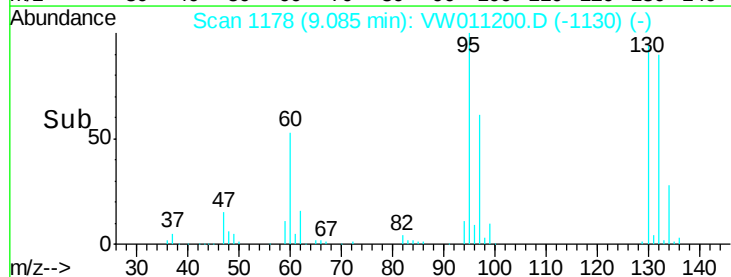
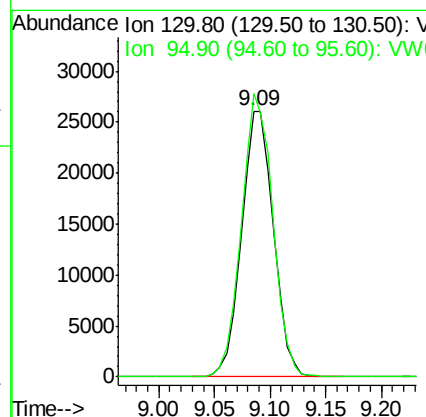
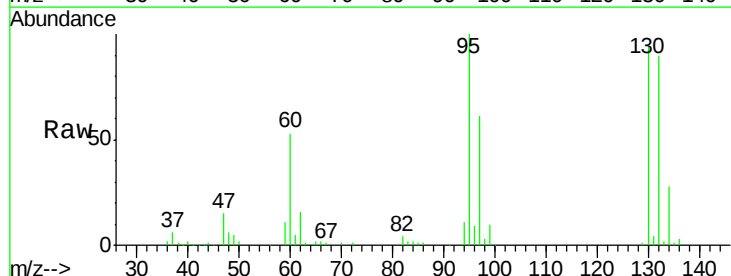
RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Tgt Ion:	130	Resp:	51660
Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	203.6





#45

1,2-Dichloropropane

Concen: 21.816 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

Tot Ion: 63 Resp: 59651

Ion Ratio Lower Upper

63 100

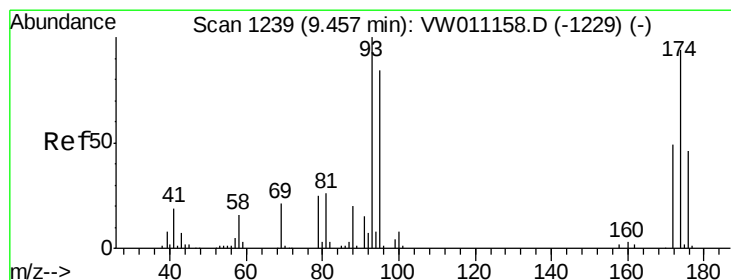
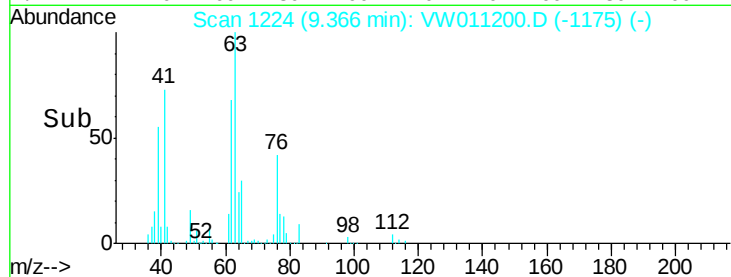
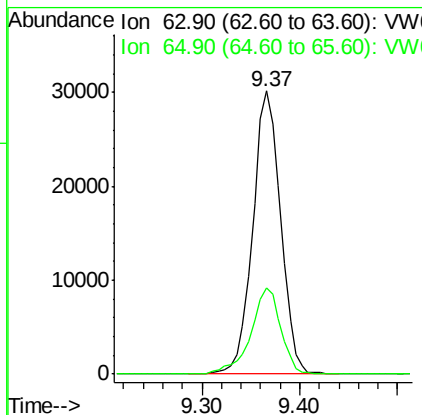
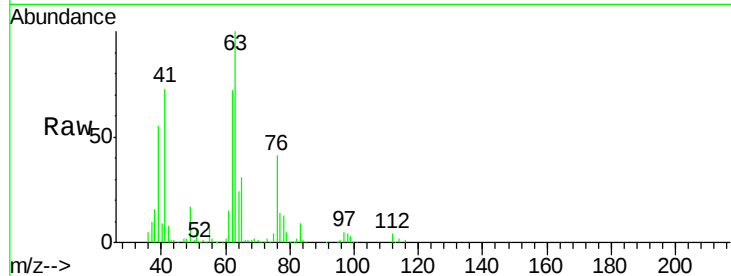
65 30.6 24.4 36.6

Manual Integrations

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MMDadoda

7/11/2019 2:50:09 PM



#46

Dibromomethane

Concen: 21.769 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

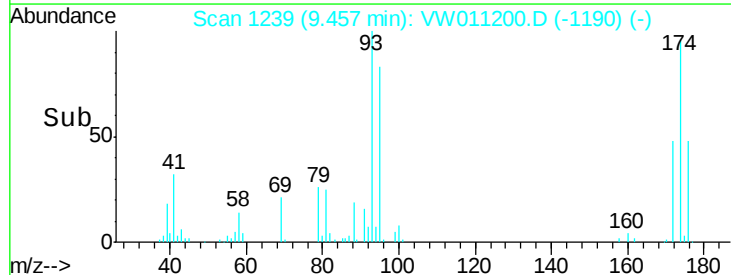
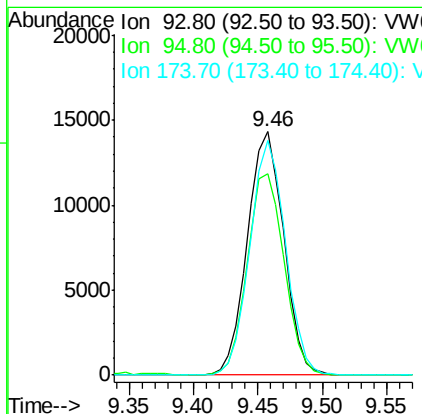
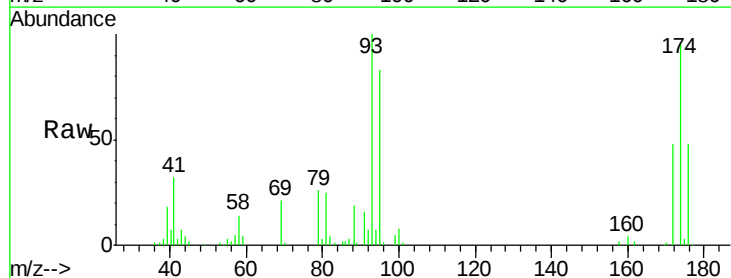
Tgt Ion: 93 Resp: 27961

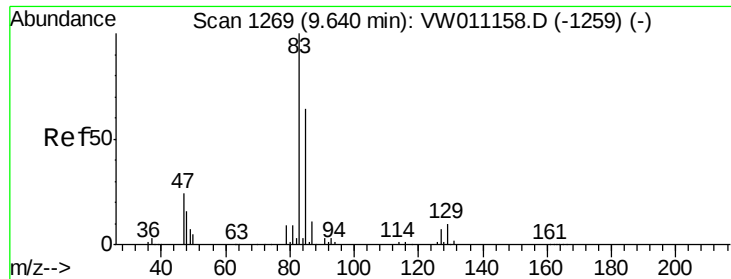
Ion Ratio Lower Upper

93 100

95 83.7 67.2 100.8

174 94.3 76.3 114.5





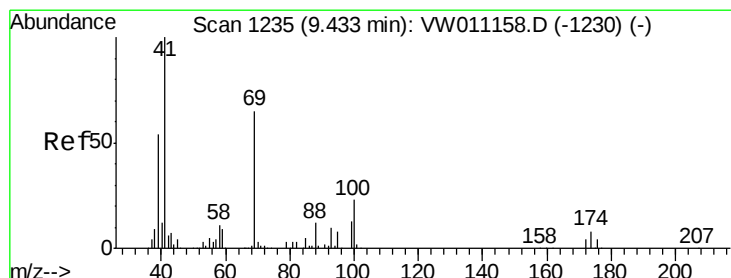
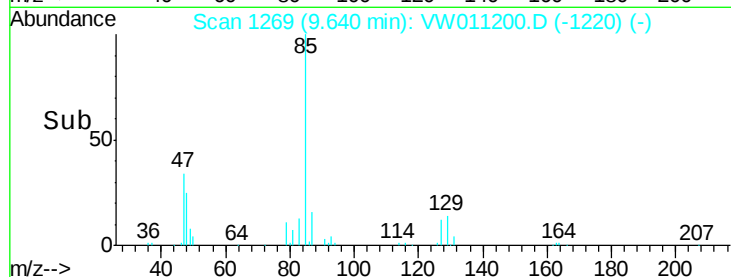
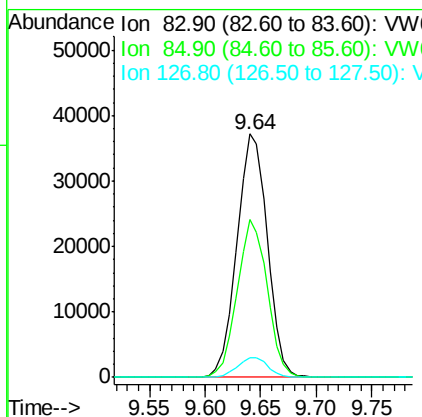
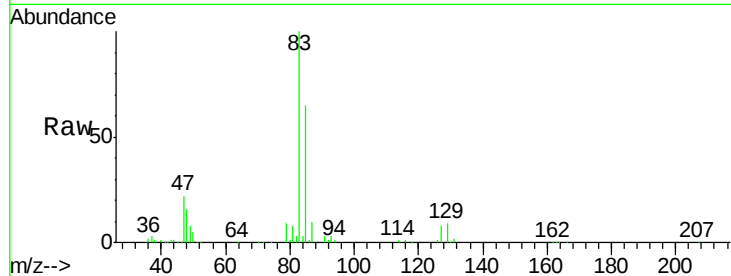
#47
Bromodichloromethane
Concen: 21.453 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampled :
VW0711SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	70503		
85	64.6		51.0	76.4
127	8.0		6.0	9.0

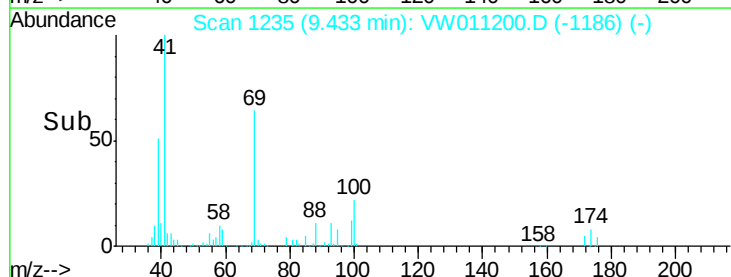
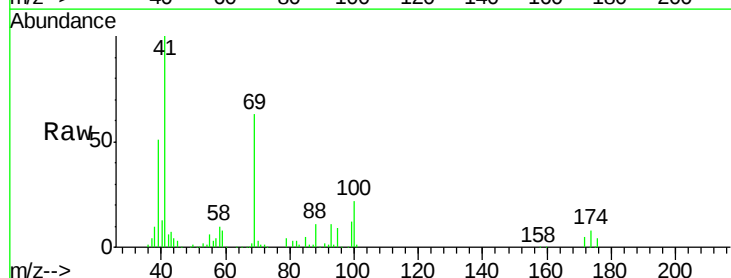
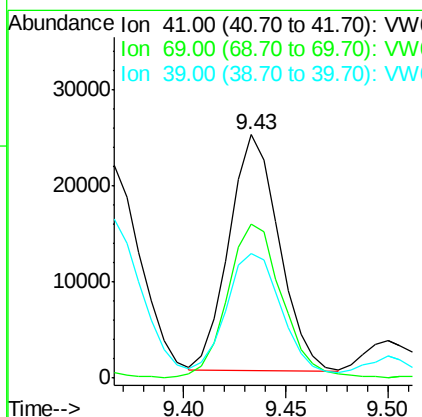
Manual Integrations
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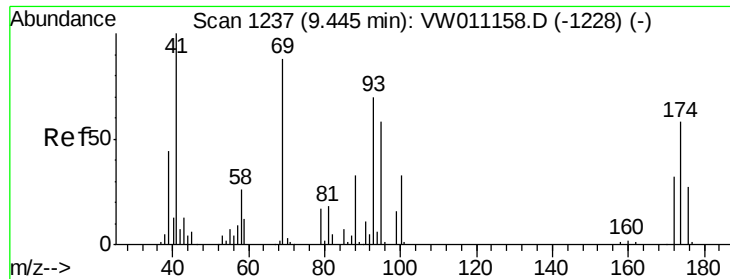
MMDadoda
7/11/2019 2:50:09 PM



#48
Methyl methacrylate
Concen: 20.930 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	41731		
69	70.5		56.0	84.0
39	59.5		43.5	65.3





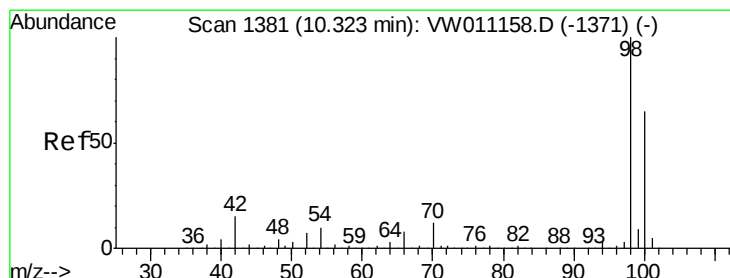
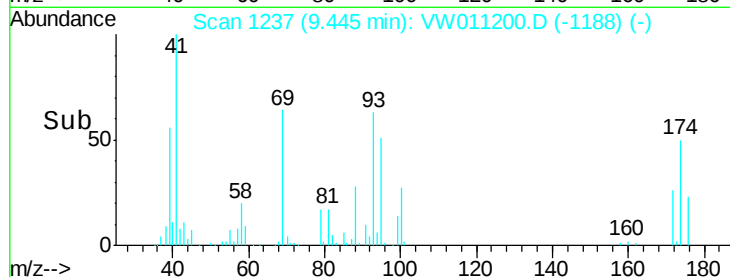
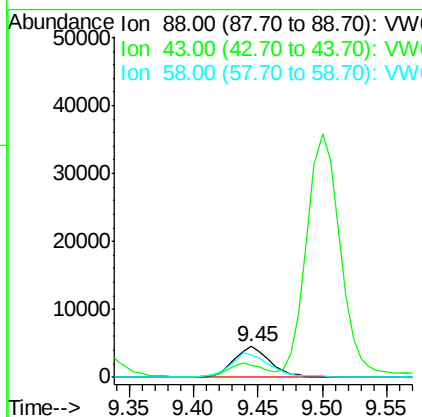
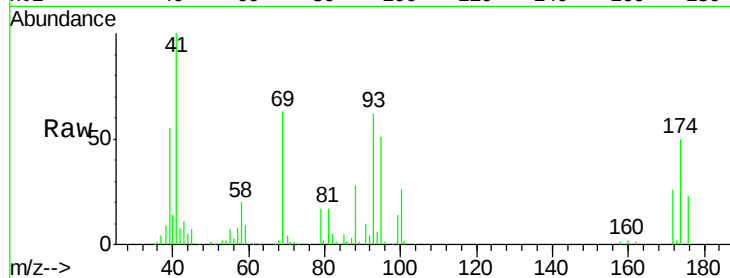
#49
1,4-Dioxane
Concen: 416.901 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion	88	Resp	8938
Ion Ratio	100	Lower	Upper
88	100		
43	42.5	33.4	50.0
58	87.9	64.5	96.7

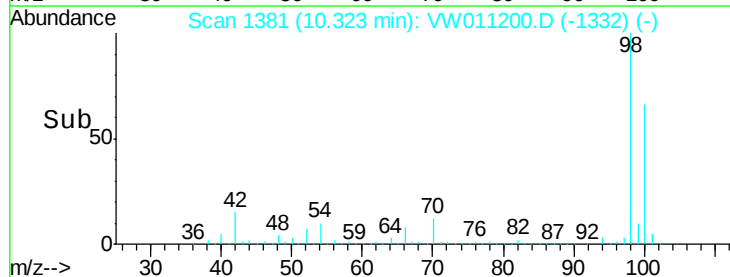
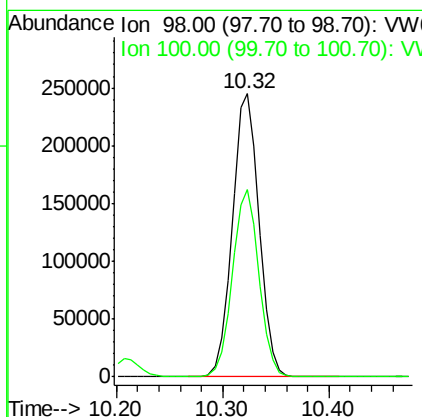
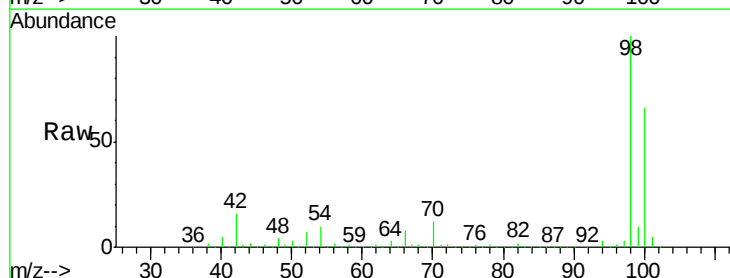
Manual Integrations
APPROVED

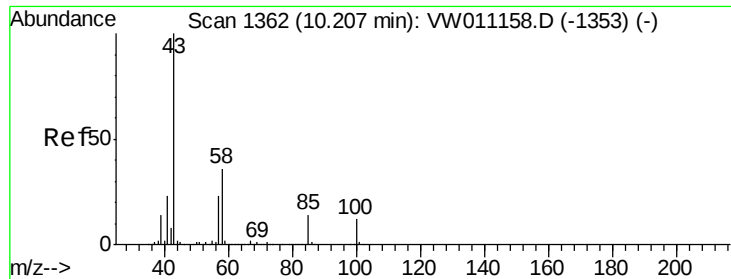
MMDadoda
7/11/2019 2:50:09 PM



#50
Toluene-d8
Concen: 52.118 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion	98	Resp	430811
Ion Ratio	100	Lower	Upper
98	100		
100	65.5	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 106.741 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampled :

VW0711SBS01

Tot Ion: 43 Resp: 231089

Ion Ratio Lower Upper

43 100

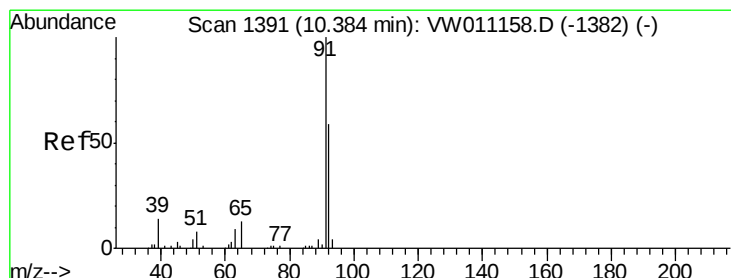
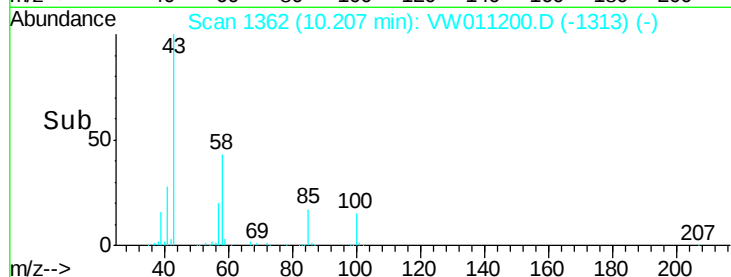
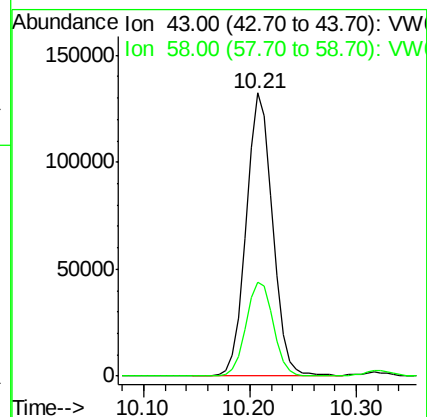
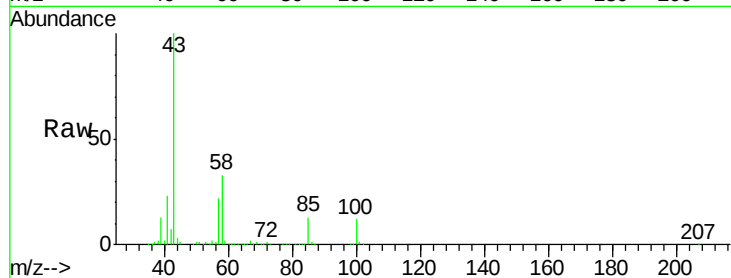
58 34.2 28.2 42.2

Manual Integrations

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MMDadoda

7/11/2019 2:50:09 PM



#52

Toluene

Concen: 21.622 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011200.D

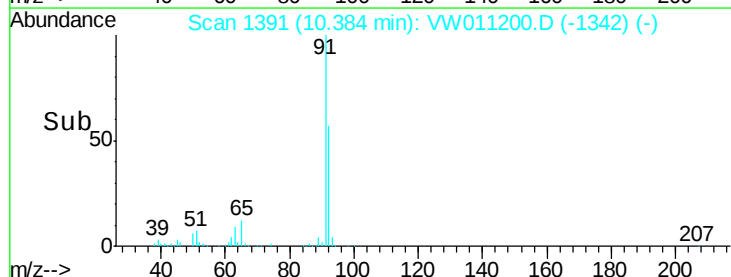
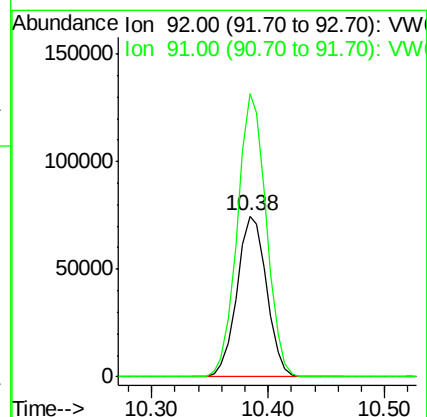
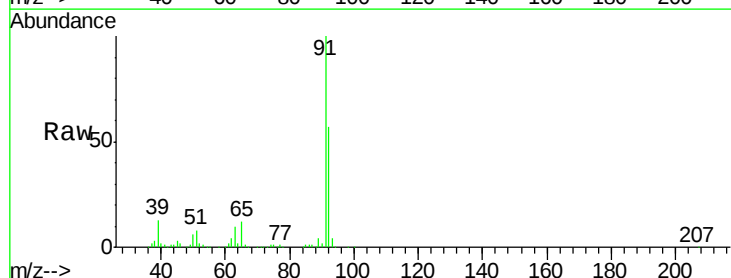
Acq: 10 Jul 2019 20:29

Tgt Ion: 92 Resp: 132434

Ion Ratio Lower Upper

92 100

91 172.0 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 19.907 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

Tot Ion: 75 Resp: 69637

Ion Ratio Lower Upper

75 100

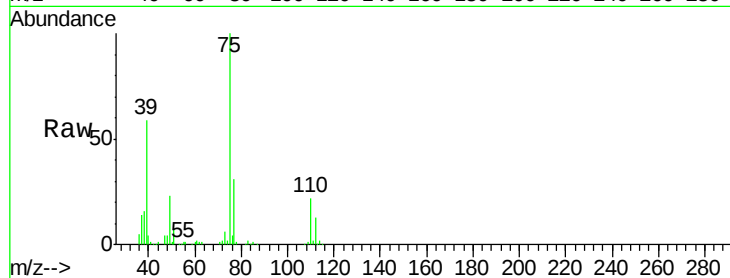
77 31.1 25.4 38.0

Manual Integrations

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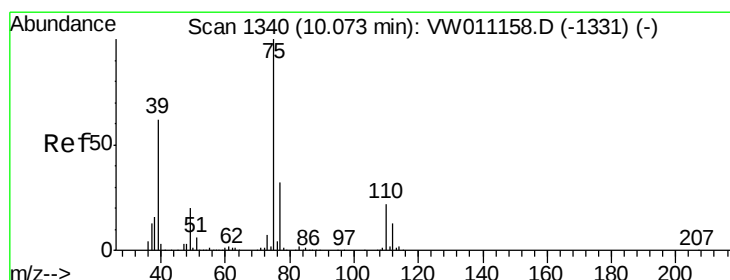
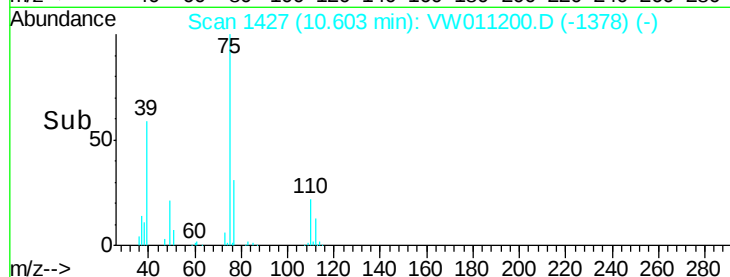
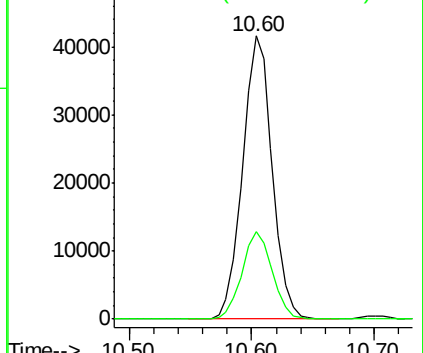
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 20.226 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

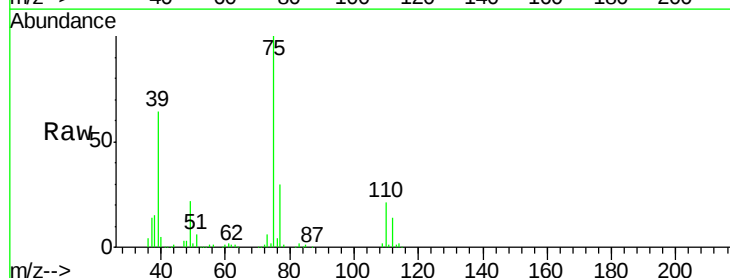
Tgt Ion: 75 Resp: 83279

Ion Ratio Lower Upper

75 100

77 30.4 25.7 38.5

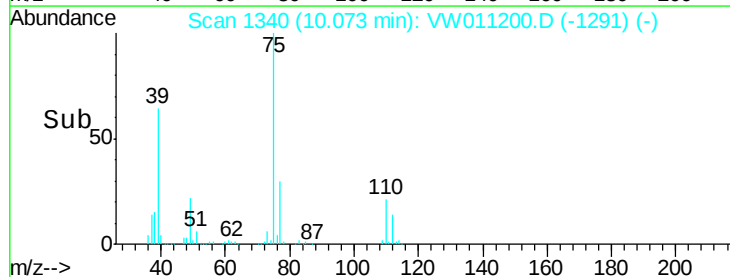
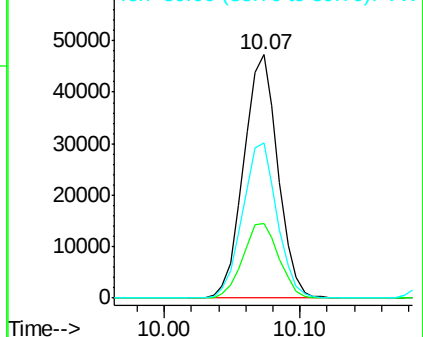
39 63.7 49.8 74.8

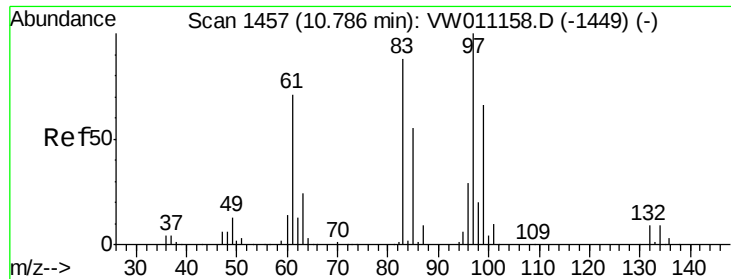


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 21.505 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

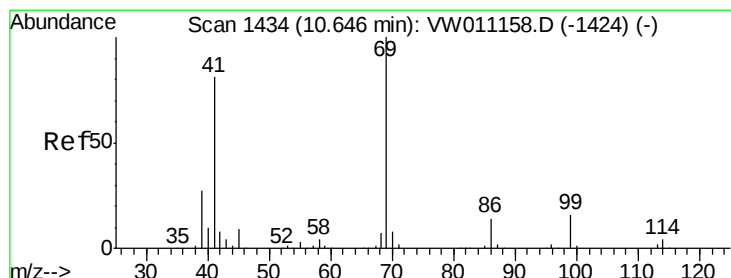
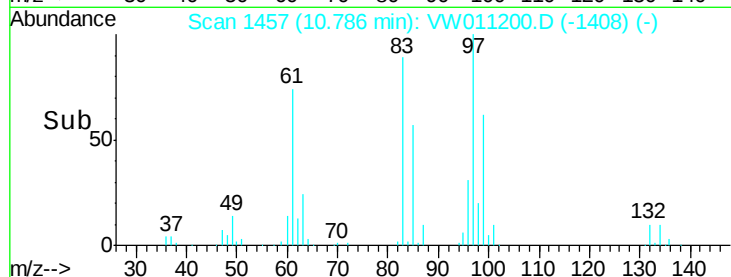
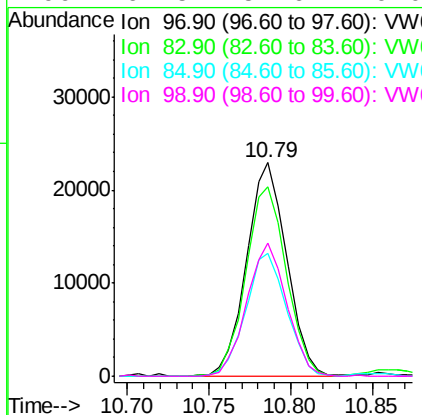
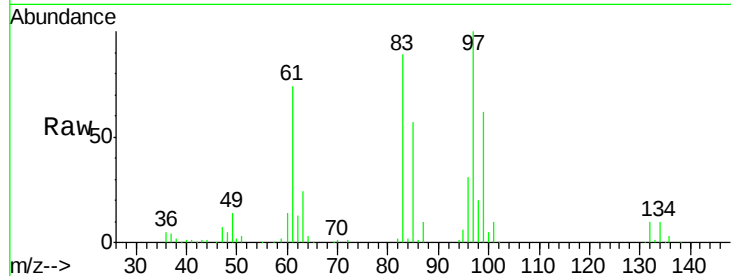
ClientSampleId :

VW0711SBS01

Tot Ion:	97	Resp:	39186
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.2	105.4
85	57.4	44.2	66.2
99	62.5	52.6	79.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.922 ug/l

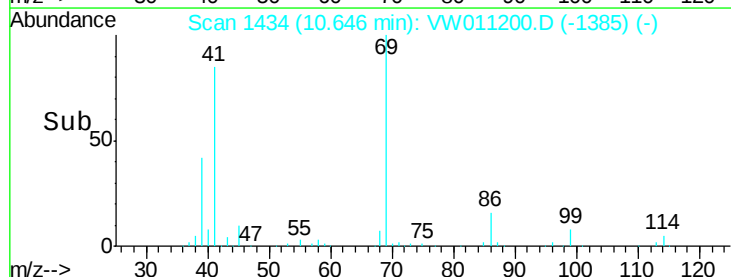
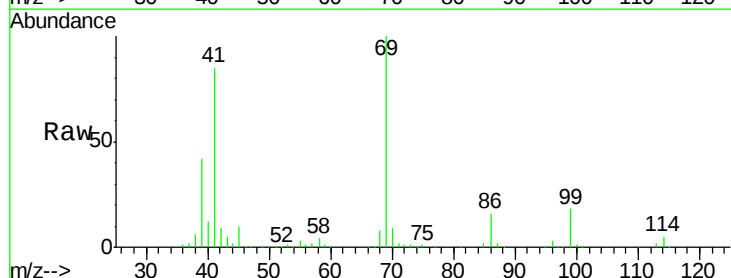
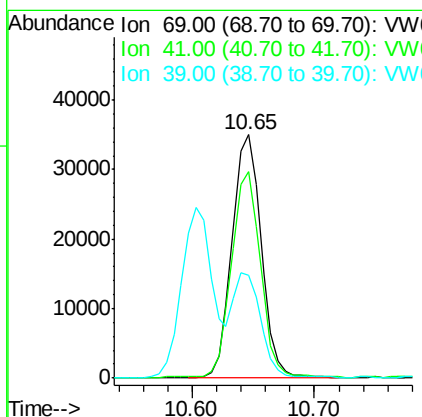
RT: 10.65 min Scan# 1434

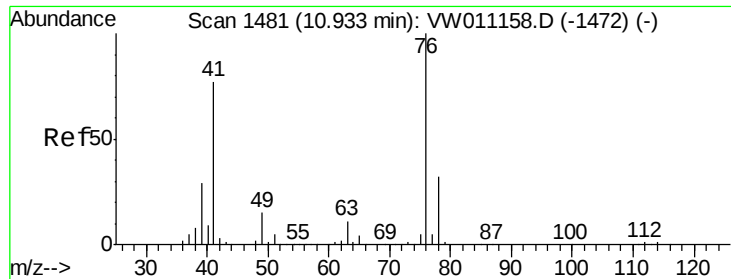
Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Tgt Ion:	69	Resp:	58040
Ion	Ratio	Lower	Upper
69	100		
41	84.3	66.5	99.7
39	40.6	32.5	48.7





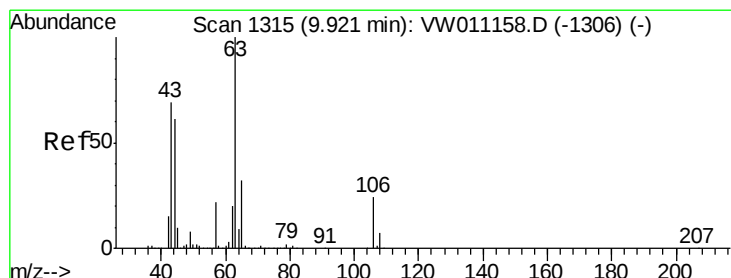
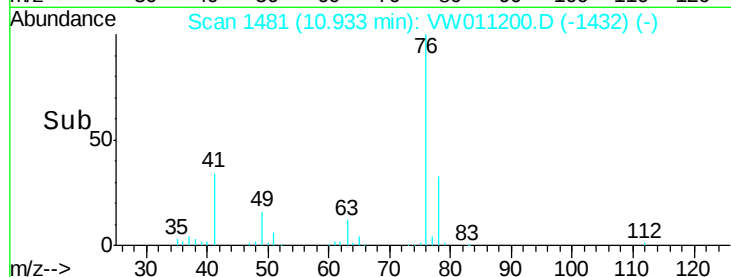
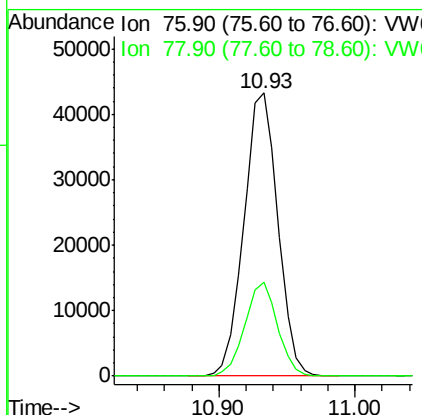
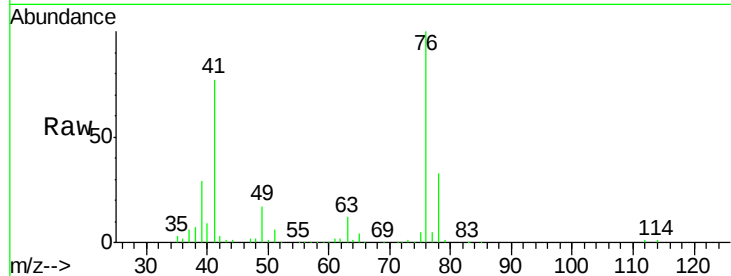
#57
 1,3-Dichloropropane
 Concen: 21.955 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.2	39.2

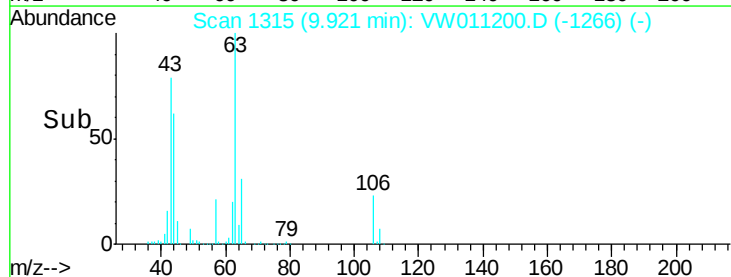
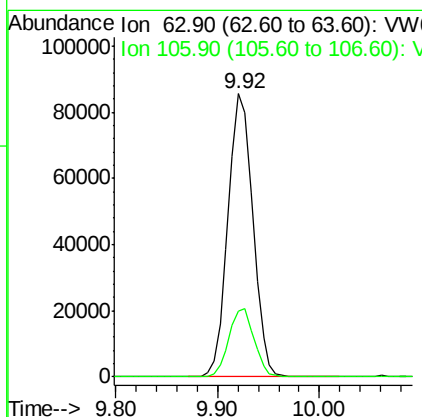
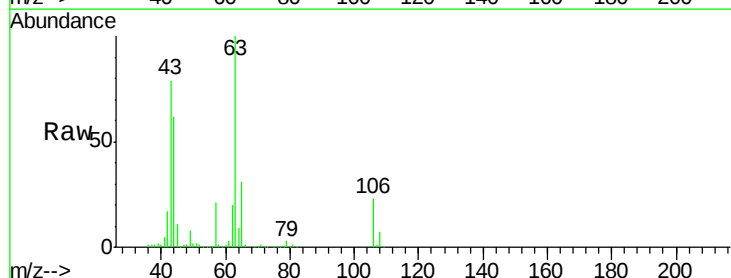
Manual Integrations
 APPROVED

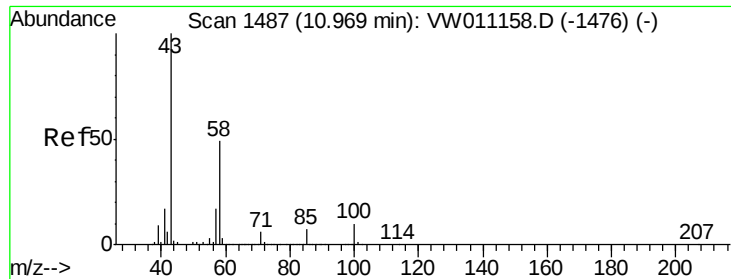
MMDadoda
 7/11/2019 2:50:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.544 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	19.4	29.0





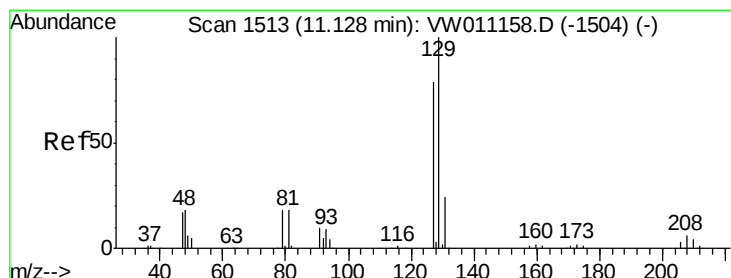
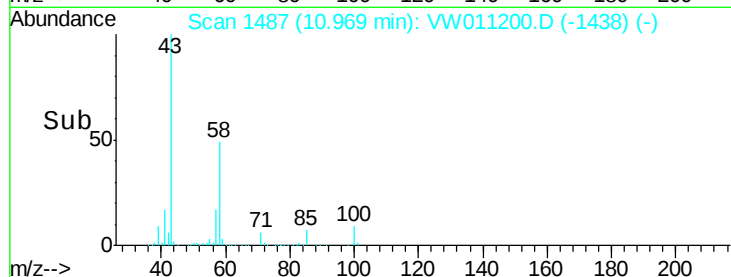
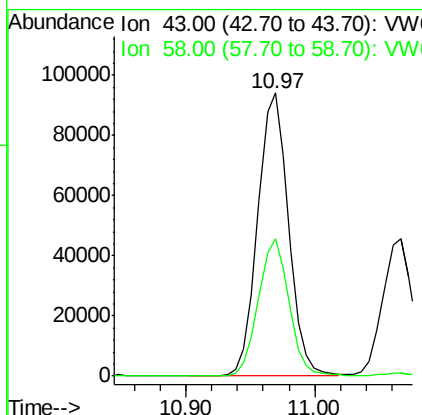
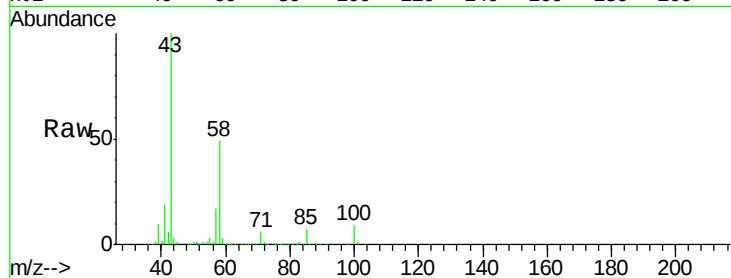
#59
2-Hexanone
Concen: 103.625 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampled :
VW0711SBS01

Tot Ion: 43 Resp: 155582
Ion Ratio Lower Upper
43 100
58 48.4 24.4 73.4

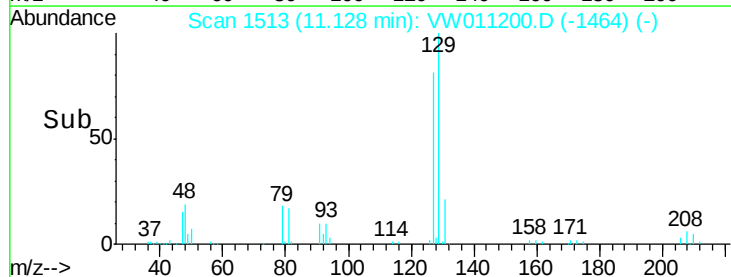
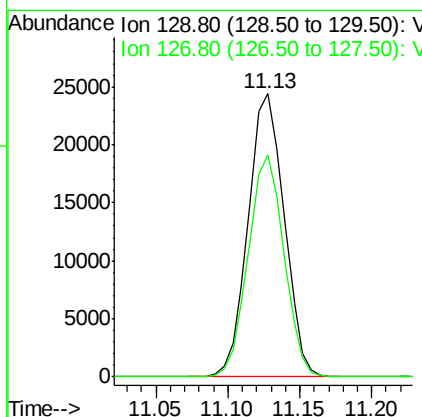
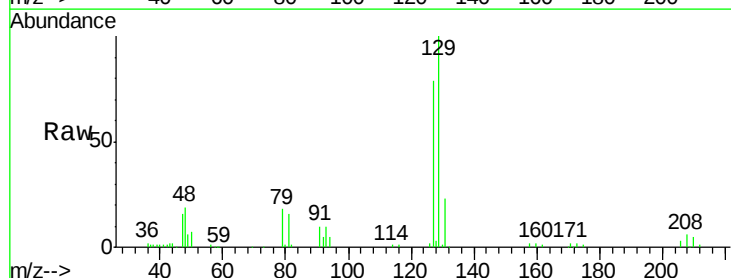
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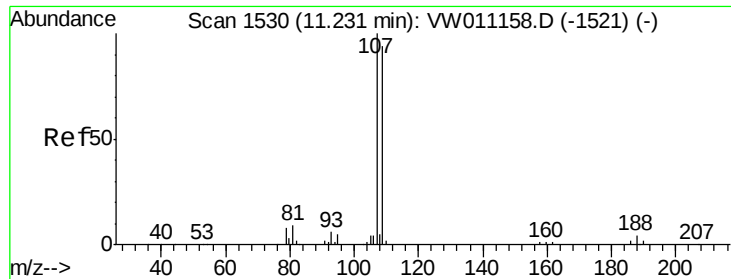
MMDadoda
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#60
Dibromochloromethane
Concen: 21.147 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion: 129 Resp: 42253
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3





#61

1,2-Dibromoethane

Concen: 21.467 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

Tot Ion: 107 Resp: 37052

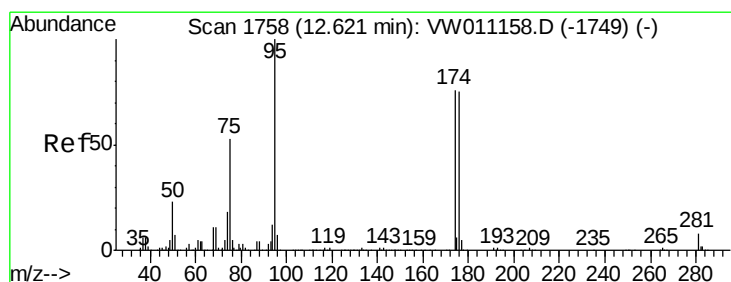
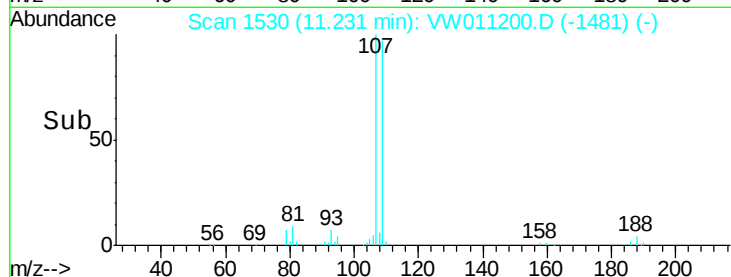
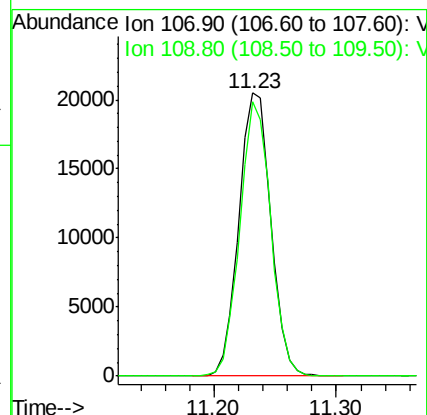
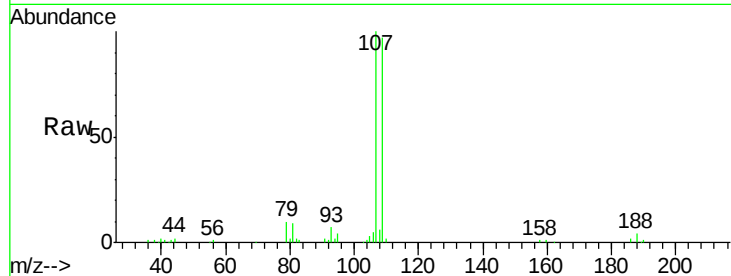
Ion Ratio Lower Upper

107 100

109 94.1 75.2 112.8

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 52.173 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

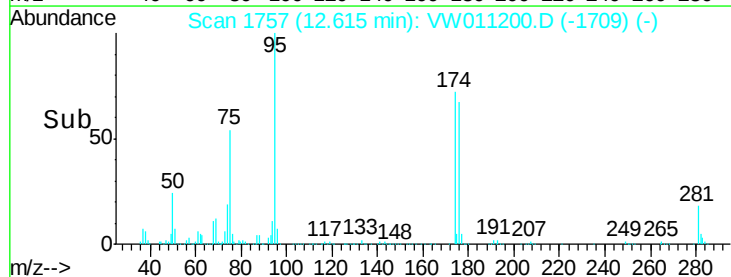
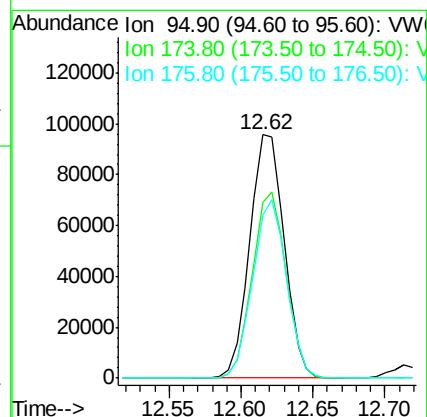
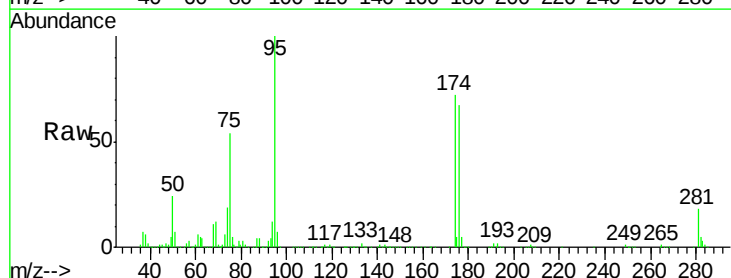
Tgt Ion: 95 Resp: 158073

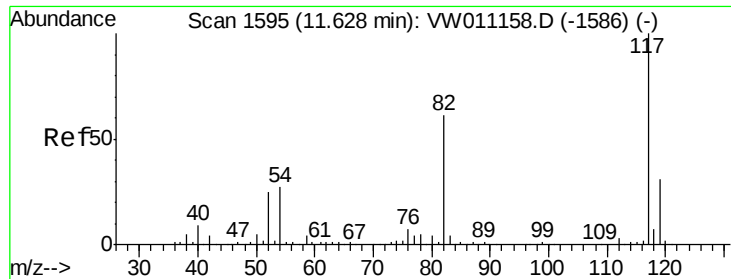
Ion Ratio Lower Upper

95 100

174 75.1 0.0 147.6

176 71.8 0.0 144.6





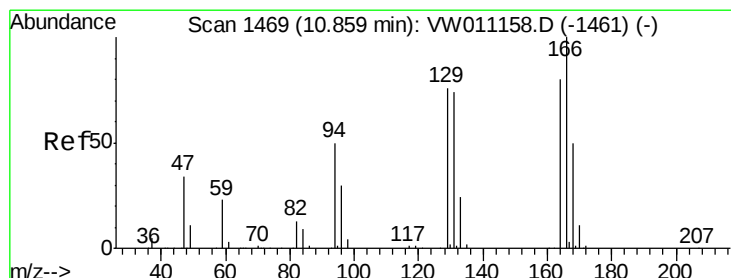
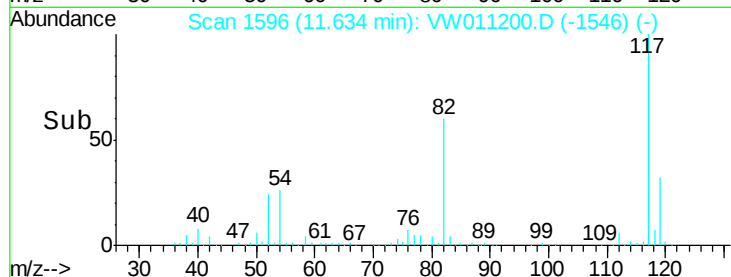
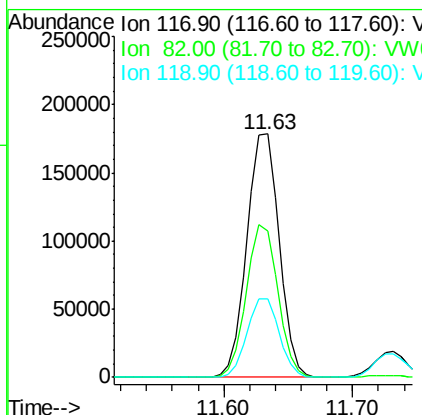
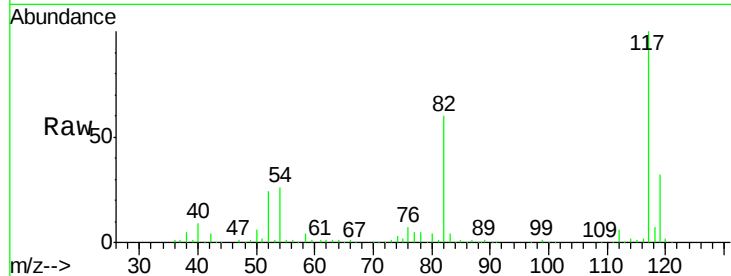
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	309300		
82	60.0	48.9	73.3	
119	32.3	25.0	37.6	

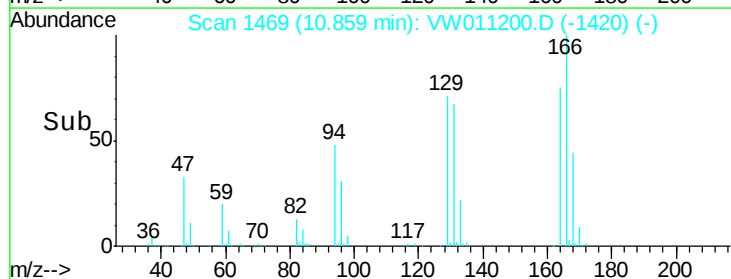
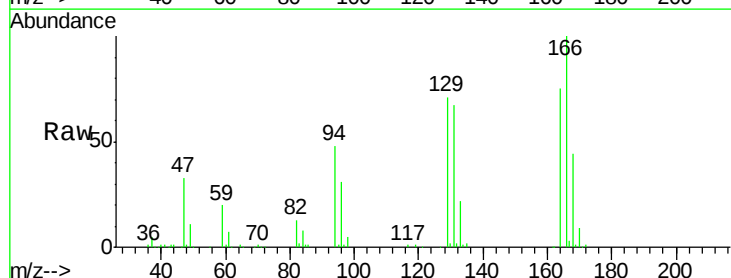
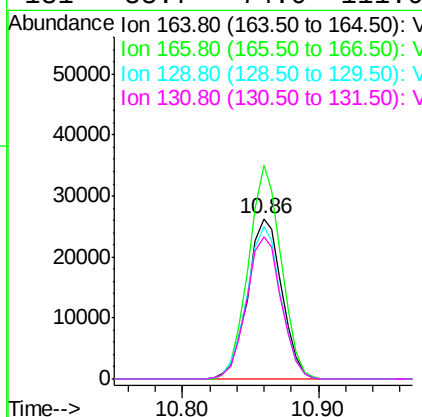
Manual Integrations
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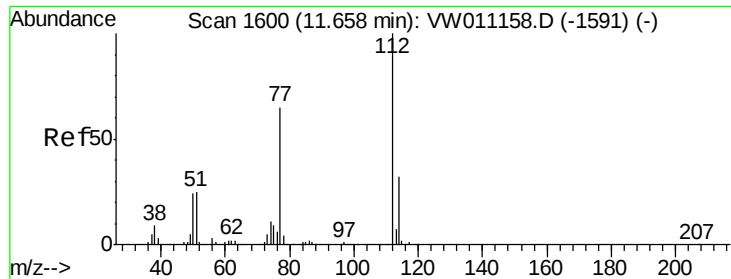
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#64
Tetrachloroethene
Concen: 22.121 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46168		
166	133.3	99.7	149.5	
129	94.7	76.2	114.2	
131	88.7	74.0	111.0	





#65

Chlorobenzene

Concen: 21.288 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

Tot Ion:112 Resp: 133871

Ion Ratio Lower Upper

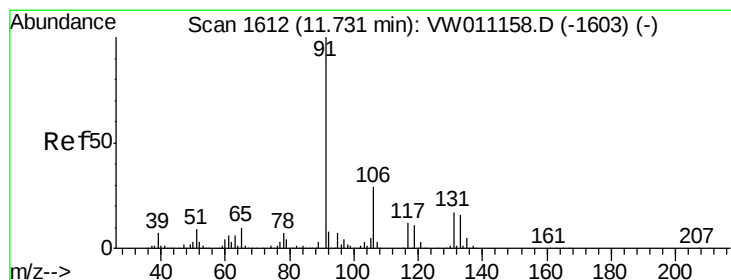
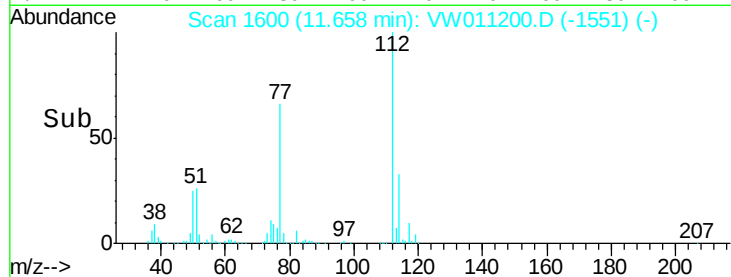
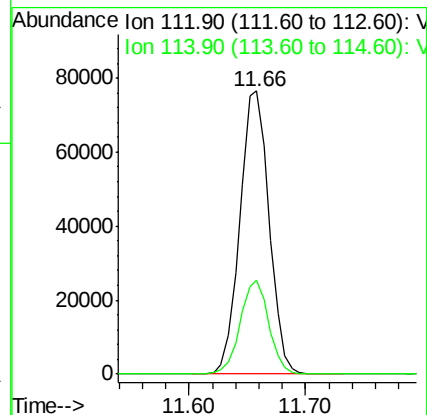
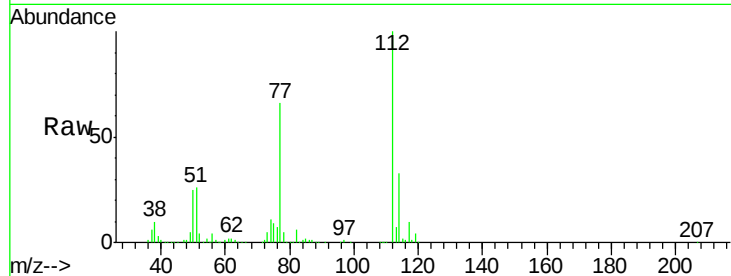
112 100

114 33.3 25.5 38.3

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.990 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

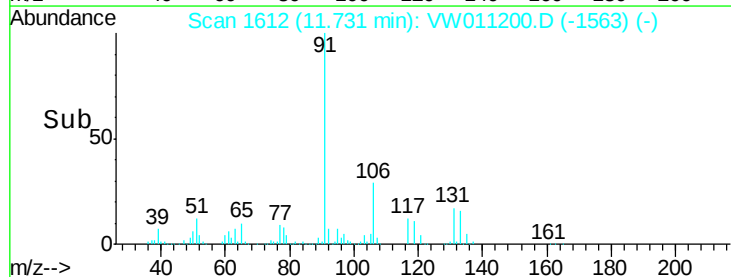
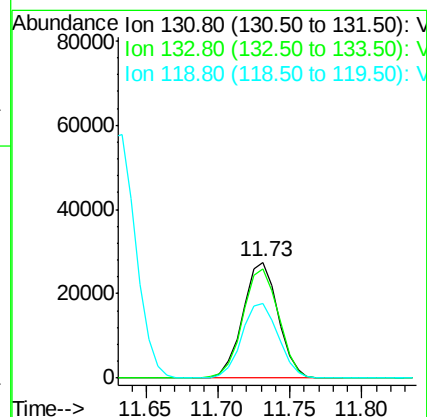
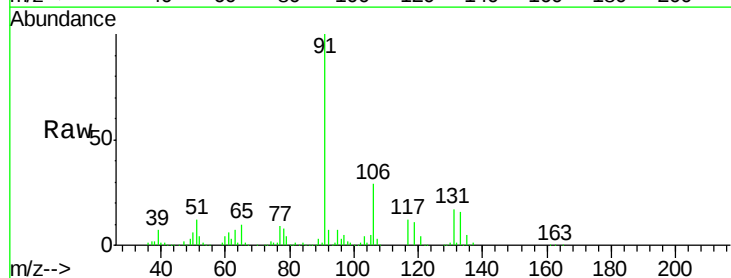
Tgt Ion:131 Resp: 46475

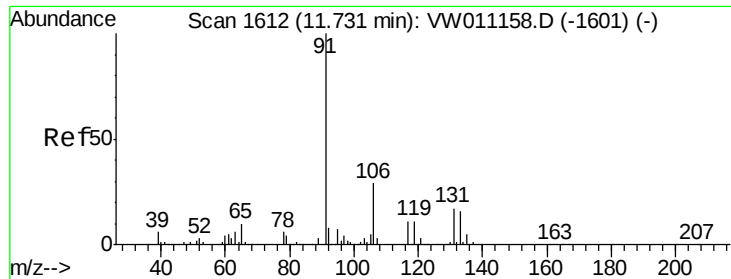
Ion Ratio Lower Upper

131 100

133 95.8 47.9 143.8

119 66.7 33.1 99.2





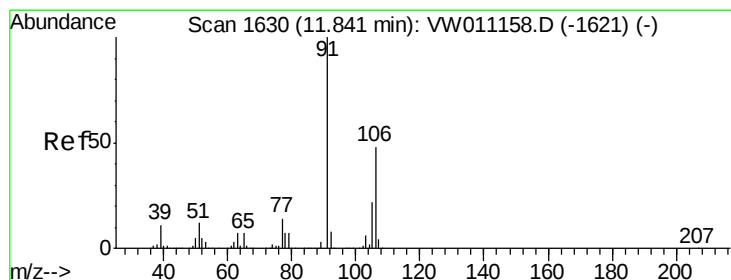
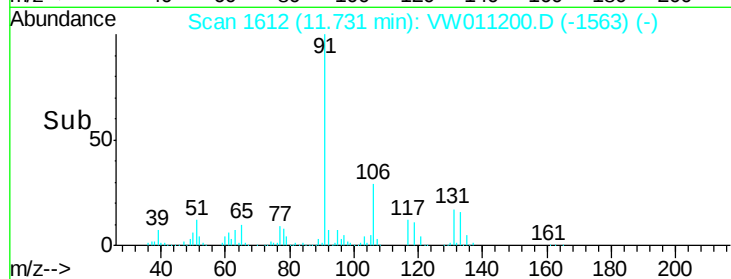
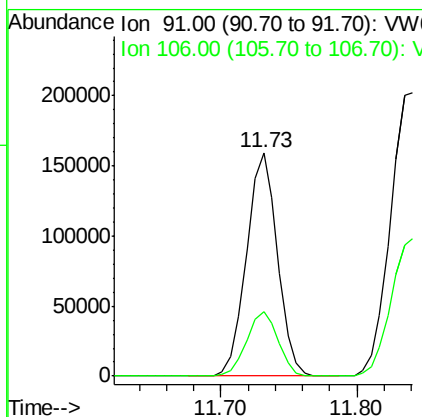
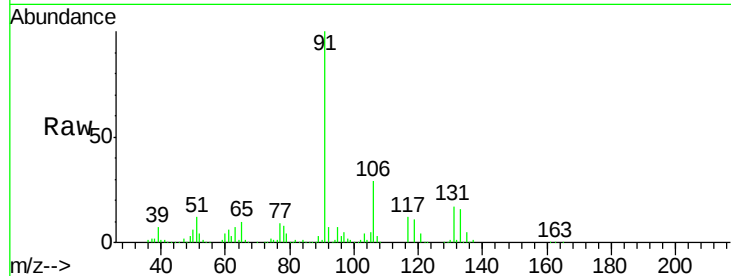
#67
Ethyl Benzene
Concen: 21.068 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.5	35.3

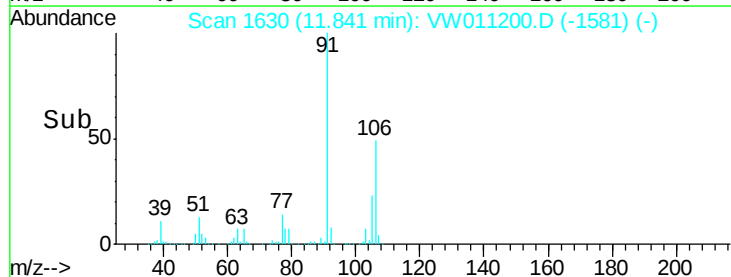
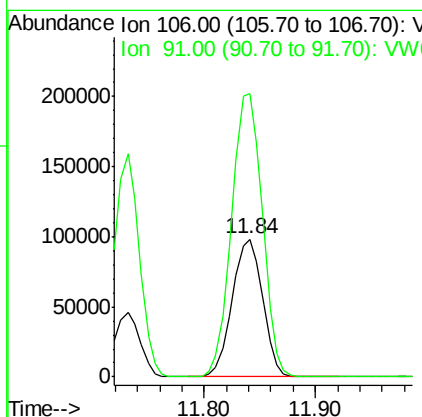
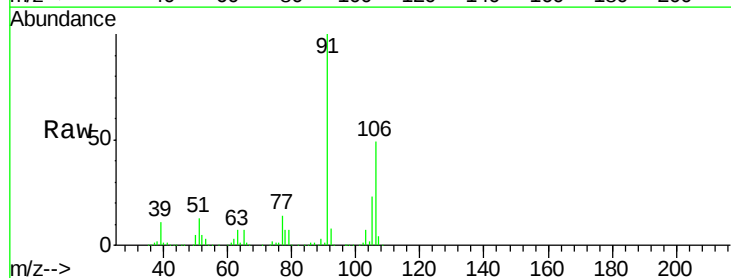
Manual Integrations
APPROVED

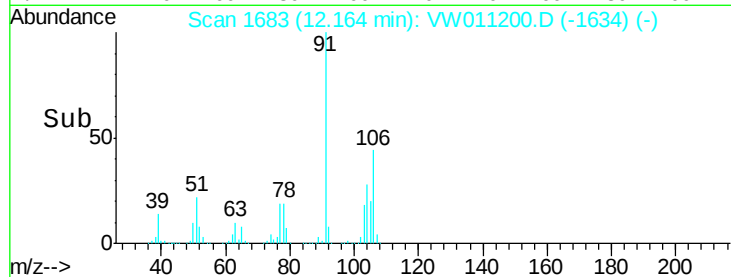
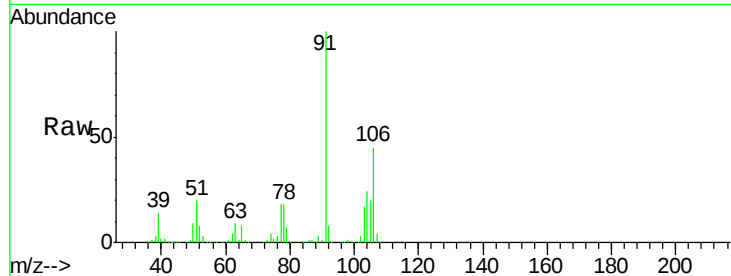
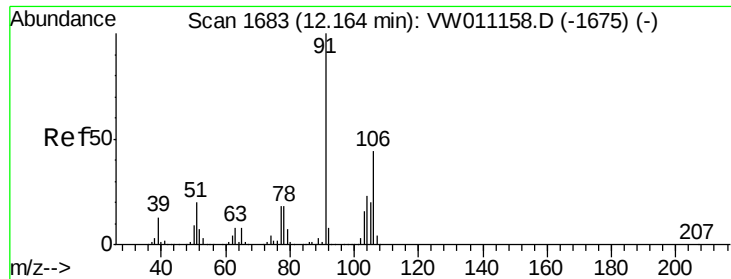
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#68
m/p-Xylenes
Concen: 42.587 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.8	167.7	251.5





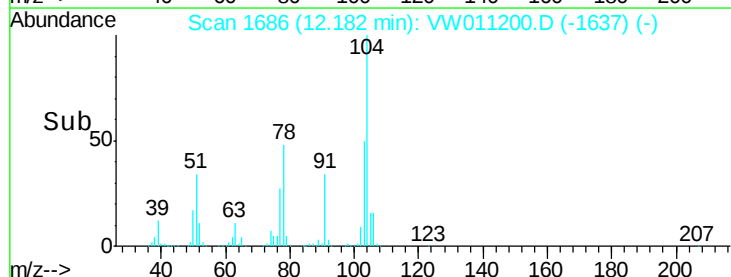
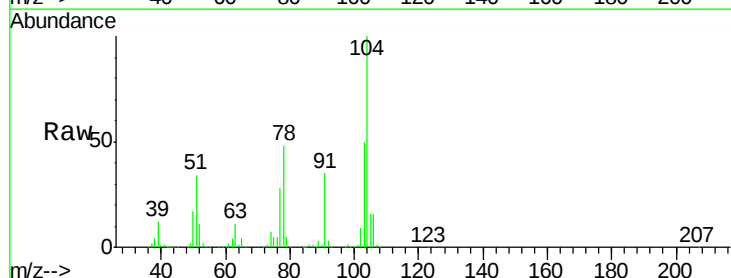
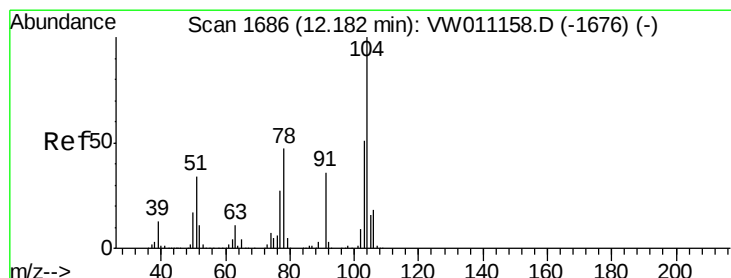
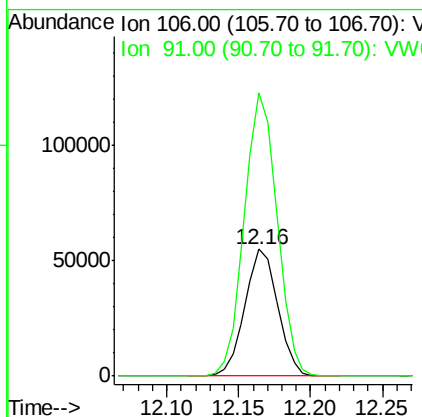
#69
o-Xylene
Concen: 21.134 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tot Ion:106 Resp: 86765
Ion Ratio Lower Upper
106 100
91 222.9 110.7 332.1

Instrument :
MSVOA_W
ClientSampled :
VW0711SBS01

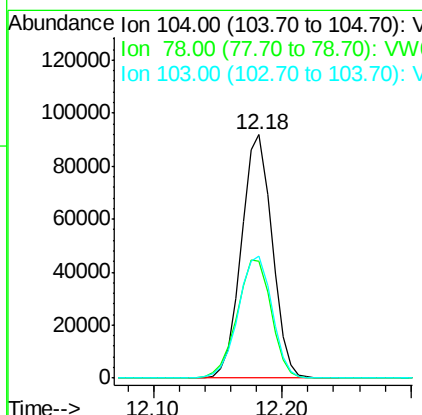
Manual Integrations
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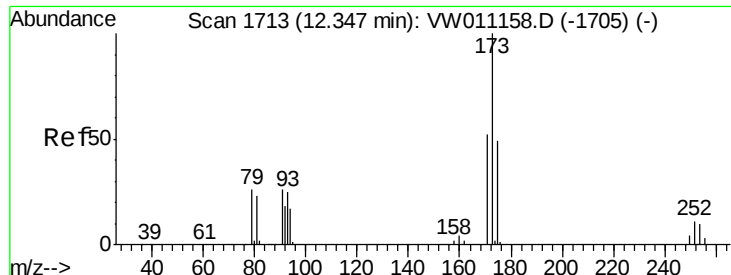
MMDadoda
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#70
Styrene
Concen: 21.376 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion:104 Resp: 151459
Ion Ratio Lower Upper
104 100
78 54.4 43.1 64.7
103 55.1 44.1 66.1





#71

Bromoform

Concen: 19.108 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

Tot Ion:173 Resp: 22495

Ion Ratio Lower Upper

173 100

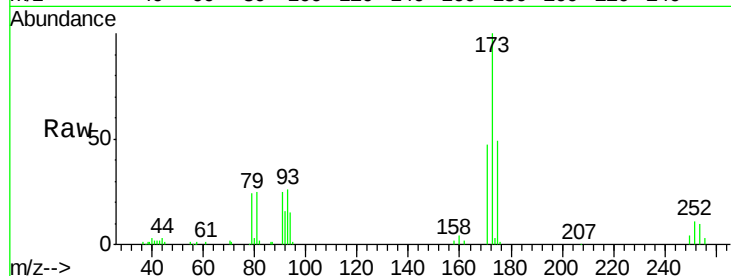
175 49.7 24.8 74.3

254 0.0 0.0 0.0

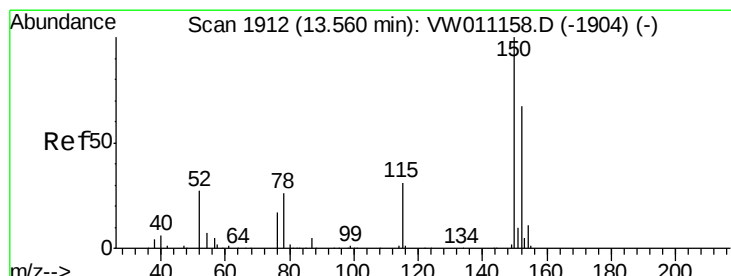
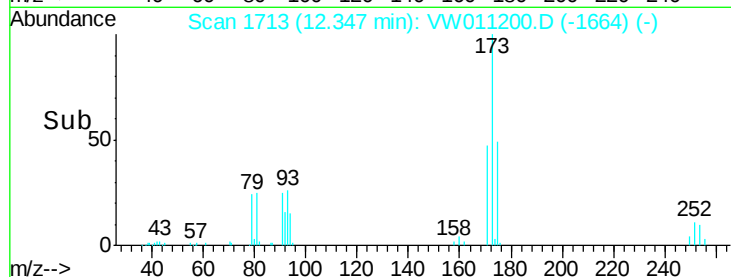
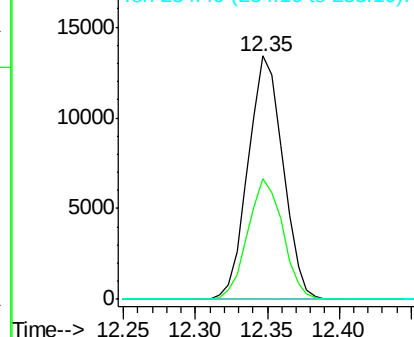
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

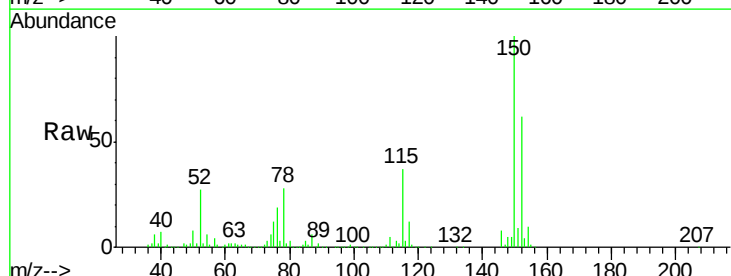
Tgt Ion:152 Resp: 153427

Ion Ratio Lower Upper

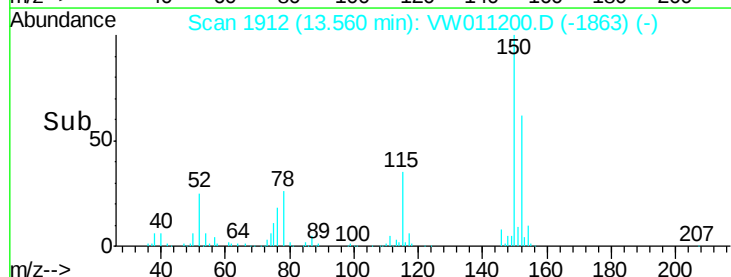
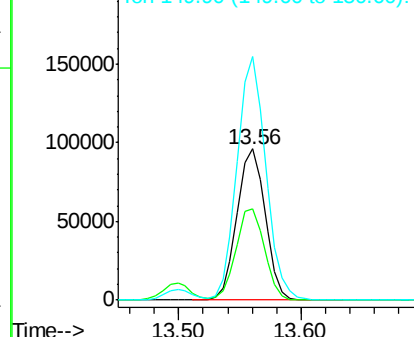
152 100

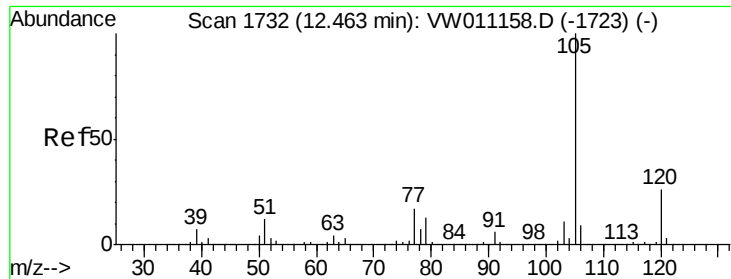
115 60.8 30.1 90.3

150 163.9 0.0 346.0



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





#73

Isopropylbenzene

Concen: 20.511 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

Tot Ion:105 Resp: 235242

Ion Ratio Lower Upper

105 100

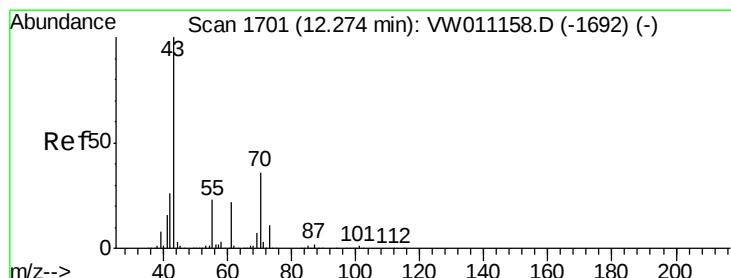
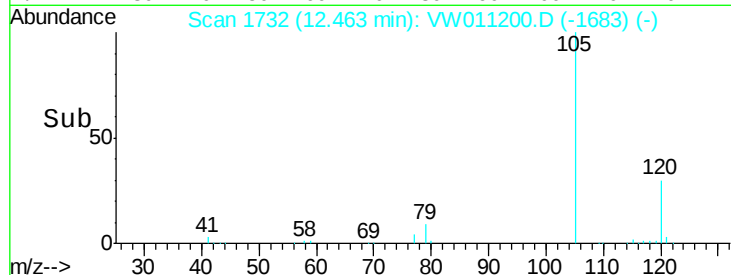
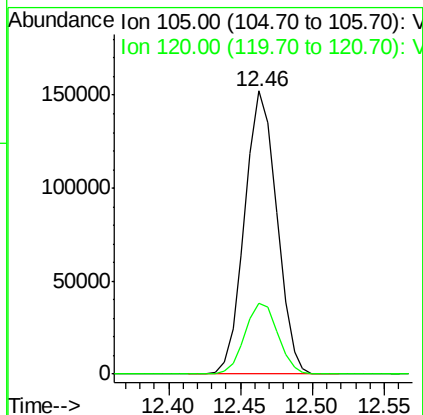
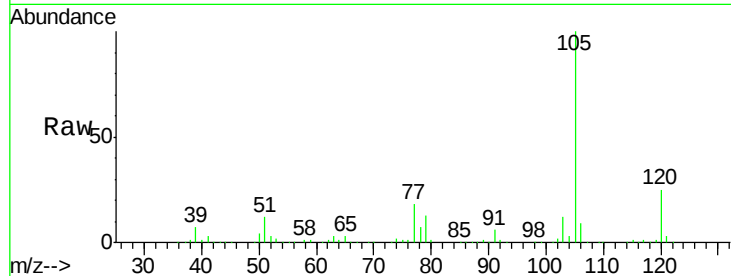
120 25.7 12.8 38.3

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#74

N-ethyl acetate

Concen: 20.109 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Tgt Ion: 43 Resp: 80325

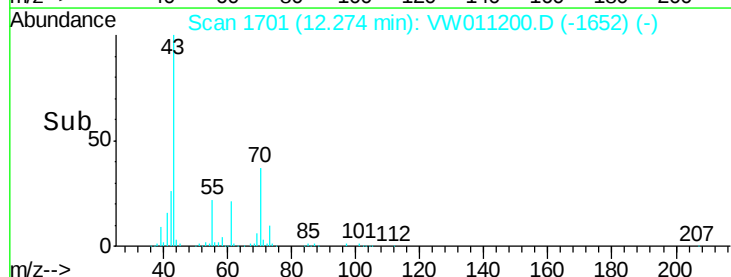
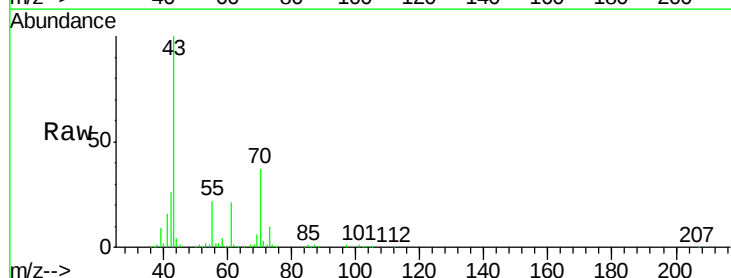
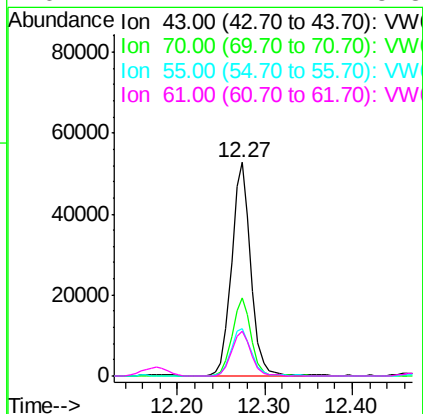
Ion Ratio Lower Upper

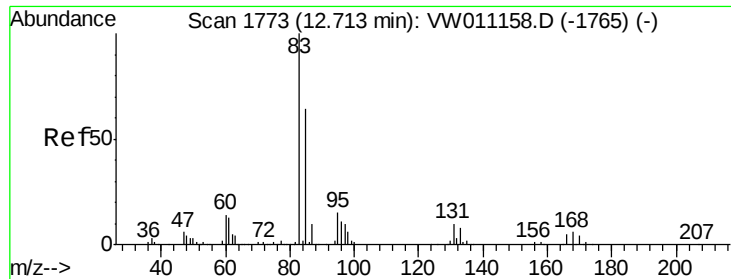
43 100

70 36.2 28.5 42.7

55 23.5 18.1 27.1

61 21.7 17.2 25.8





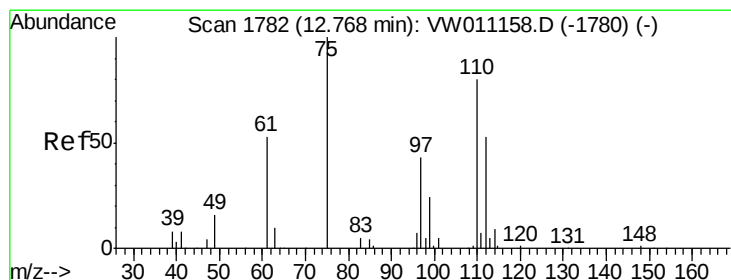
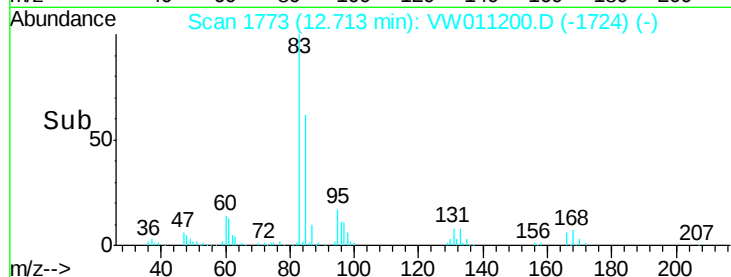
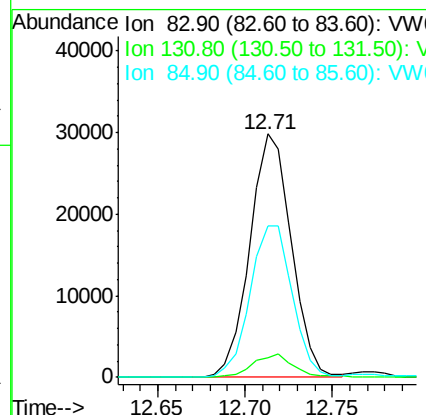
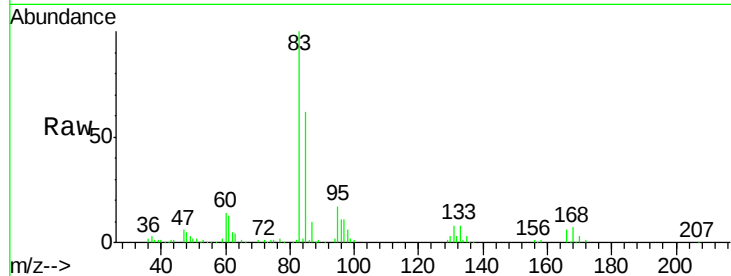
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.984 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.0	15.0
85	63.6	31.6	94.8

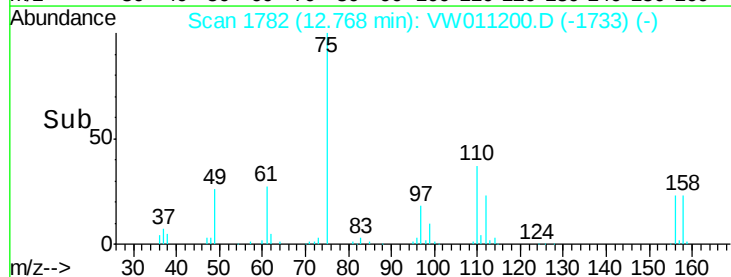
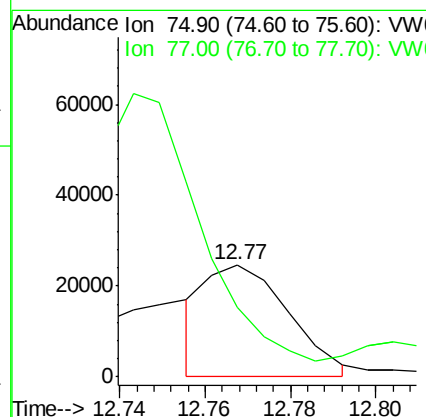
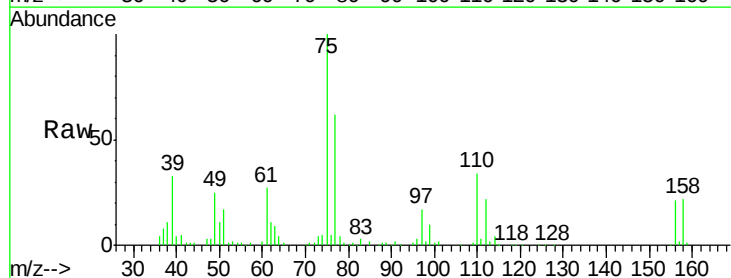
Manual Integrations
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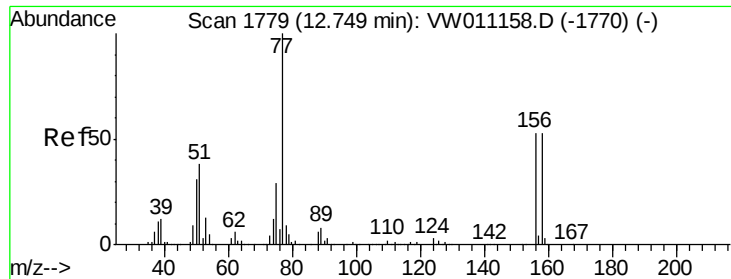
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#76
 1,2,3-Trichloropropane
 Concen: 18.971 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.762 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011200.D

Acq: 10 Jul 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBS01

Tot Ion:156 Resp: 53440

Ion Ratio Lower Upper

156 100

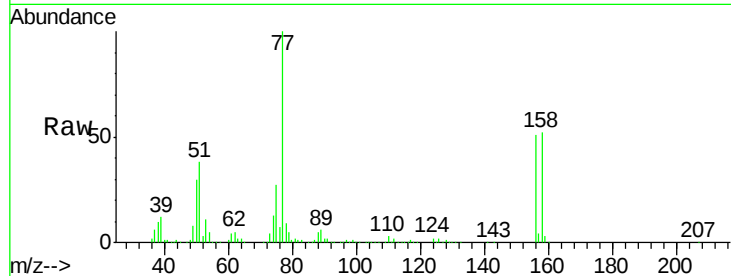
77 219.3 109.0 327.0

158 99.0 48.8 146.3

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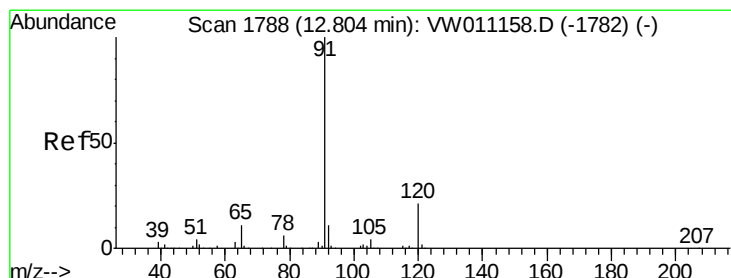
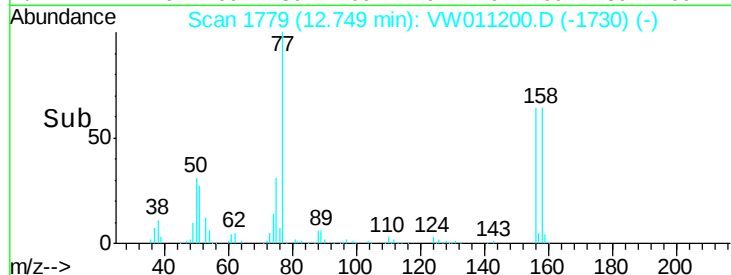
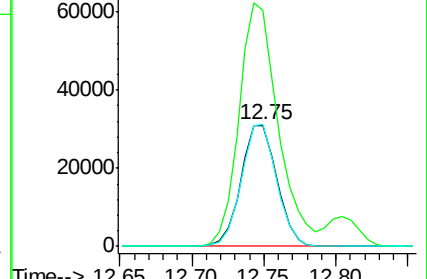
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.582 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011200.D

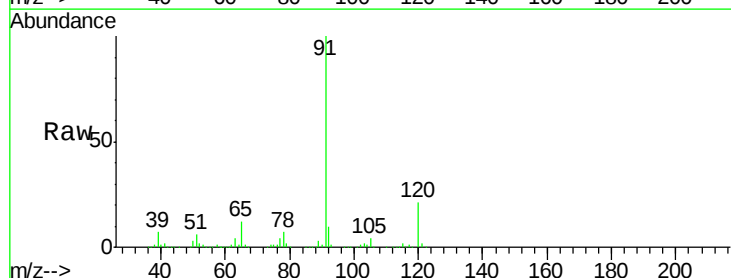
Acq: 10 Jul 2019 20:29

Tgt Ion: 91 Resp: 290790

Ion Ratio Lower Upper

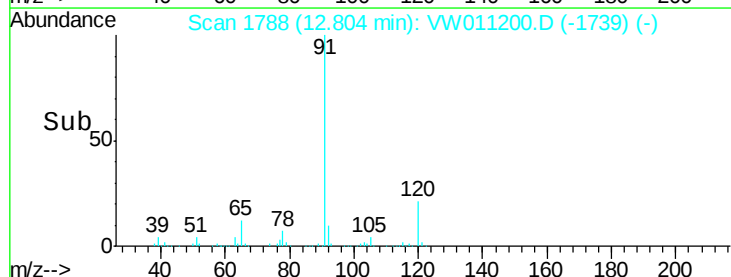
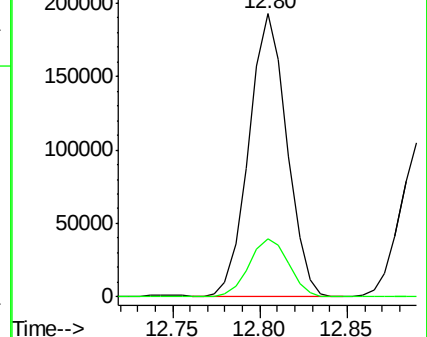
91 100

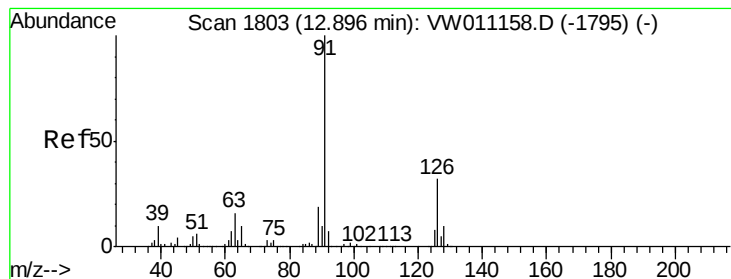
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





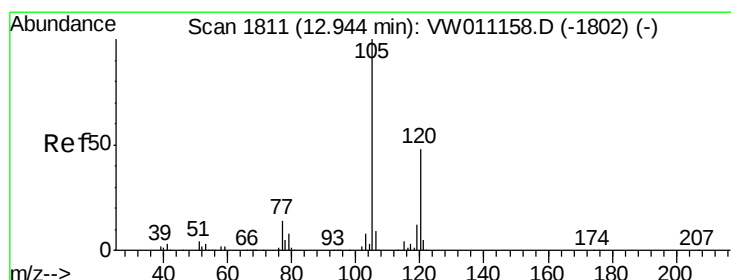
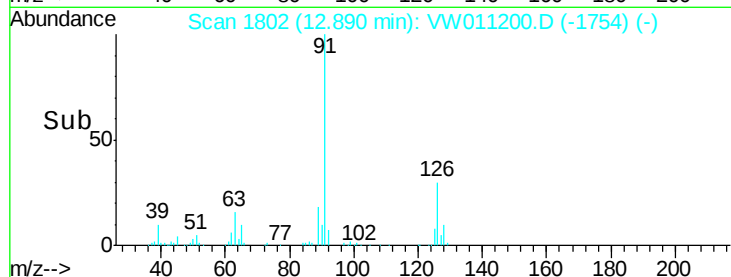
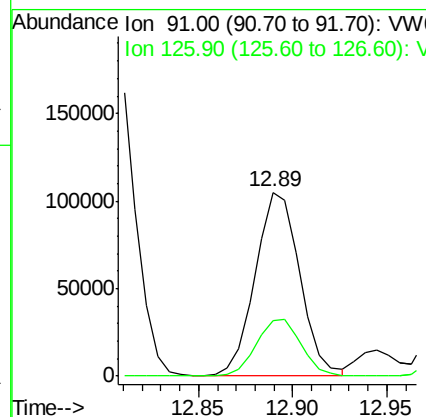
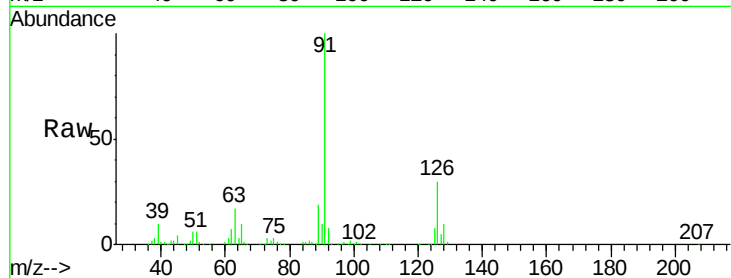
#79
 2-Chlorotoluene
 Concen: 21.132 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

Tot Ion: 91 Resp: 171809
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.8 47.3

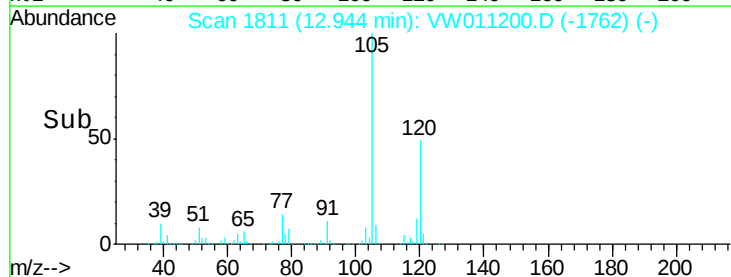
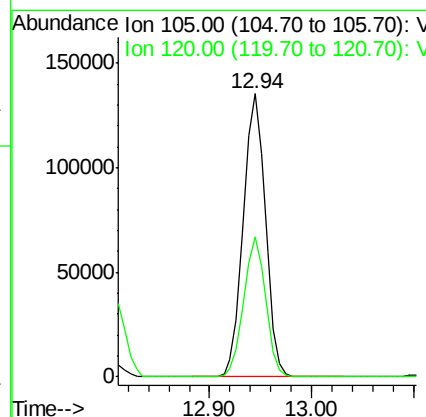
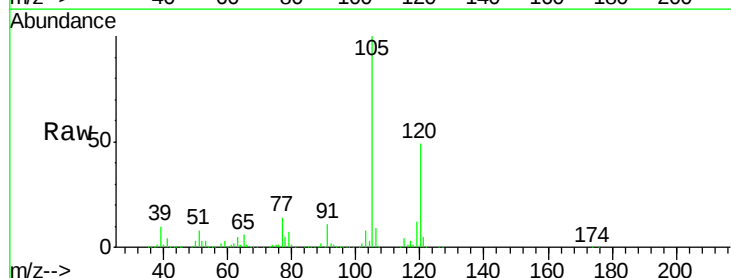
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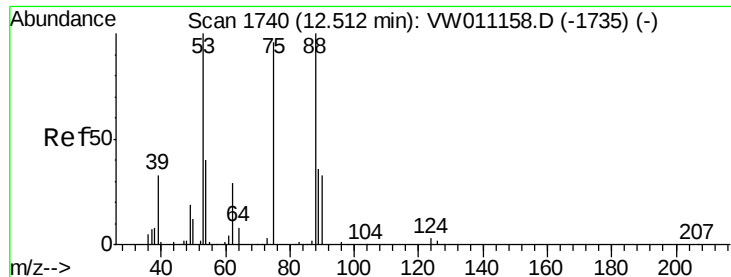
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.821 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion: 105 Resp: 202872
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.1 72.2





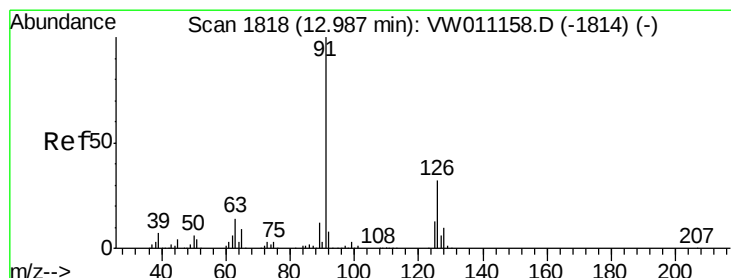
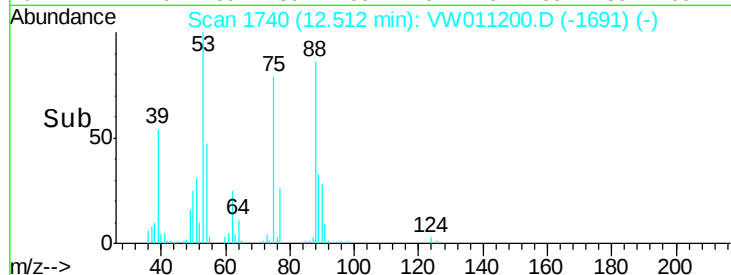
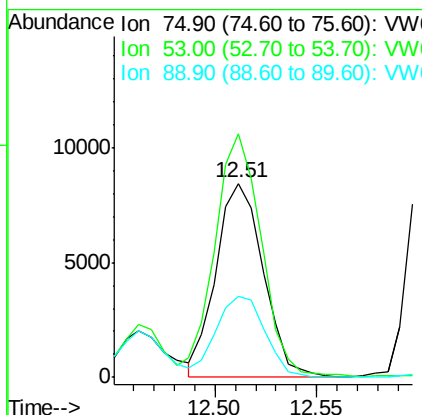
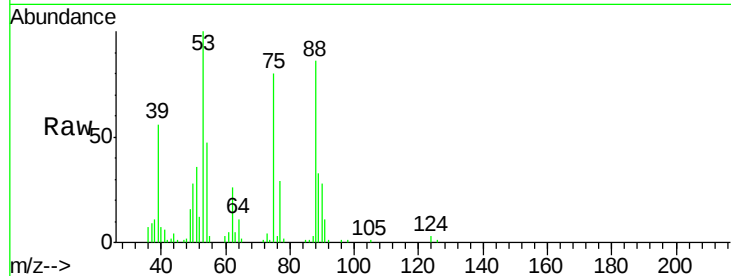
#81
trans-1,4-Dichloro-2-butene
Concen: 17.394 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampled :
VW0711SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	123.8	89.8	134.6
89	43.1	34.3	51.5

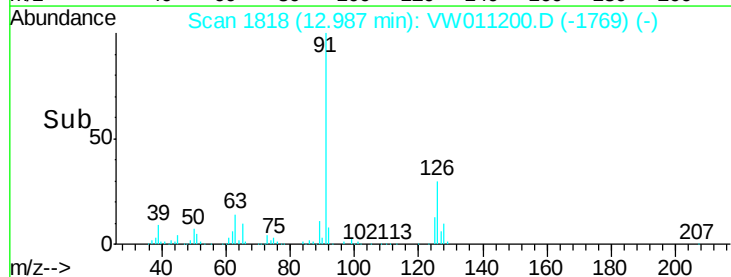
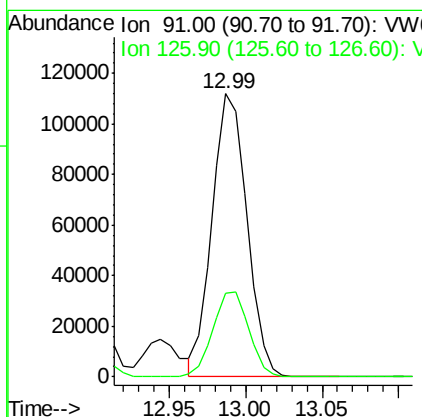
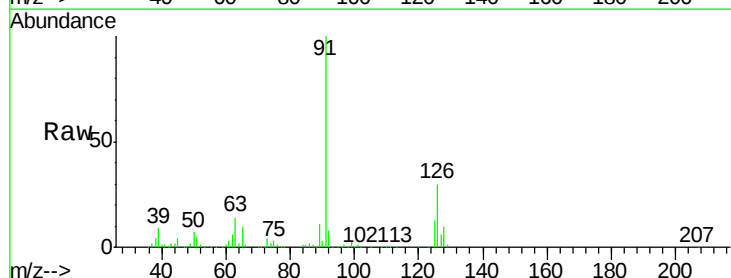
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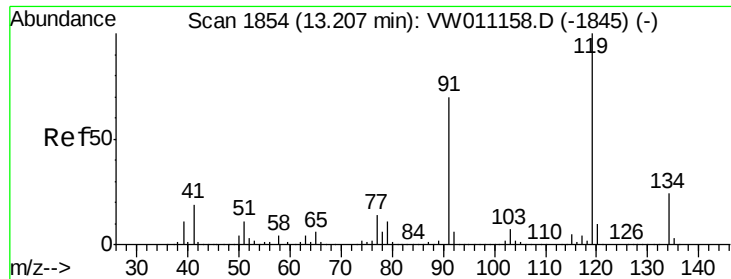
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.937 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1





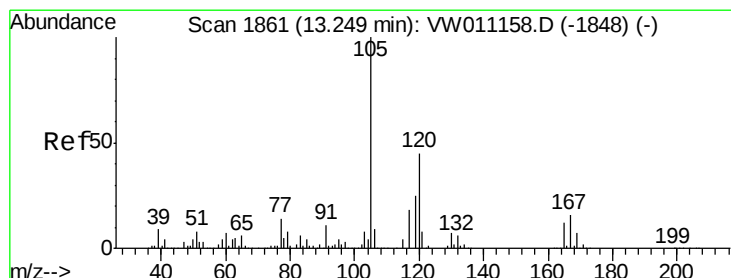
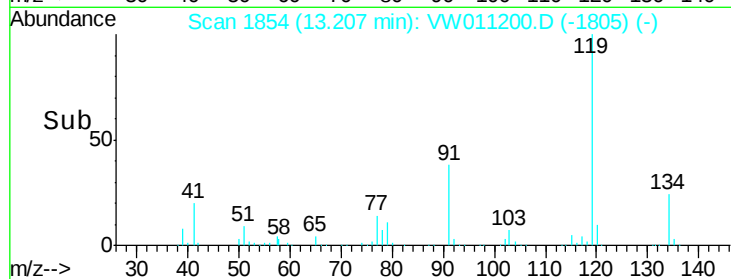
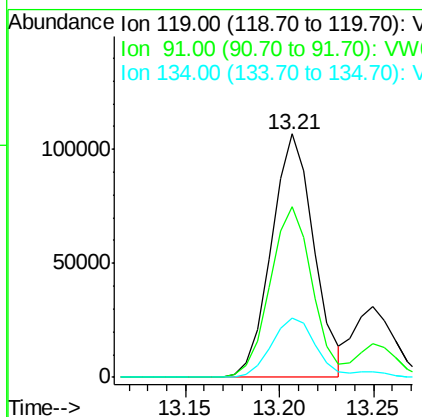
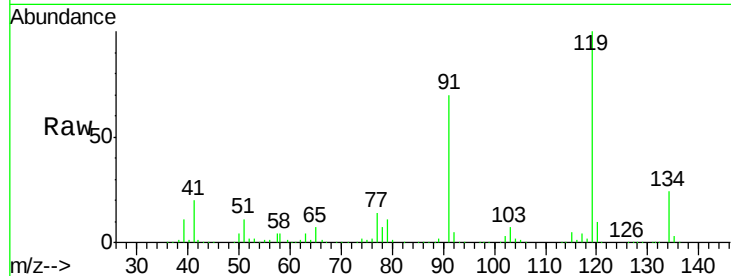
#83
 tert-Butylbenzene
 Concen: 20.556 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	167045		
91	69.4	35.4	106.3	
134	25.4	13.4	40.2	

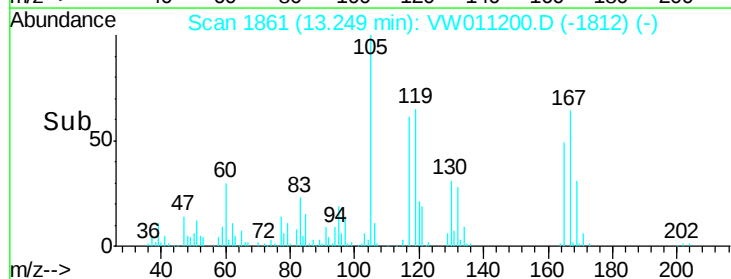
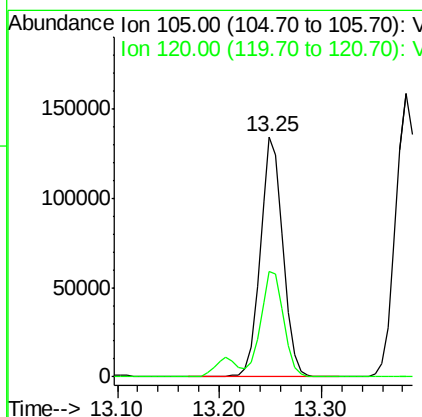
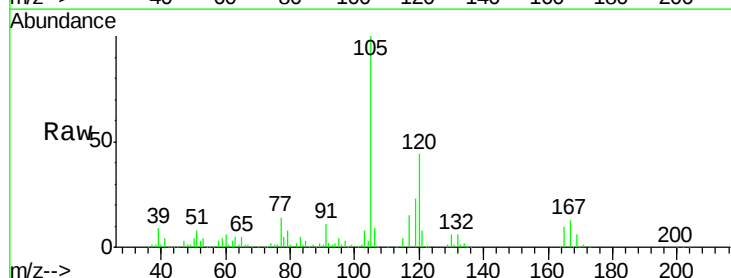
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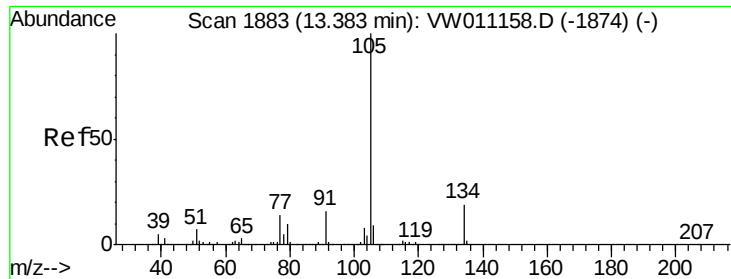
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.224 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	207650		
120	44.1	22.3	66.9	





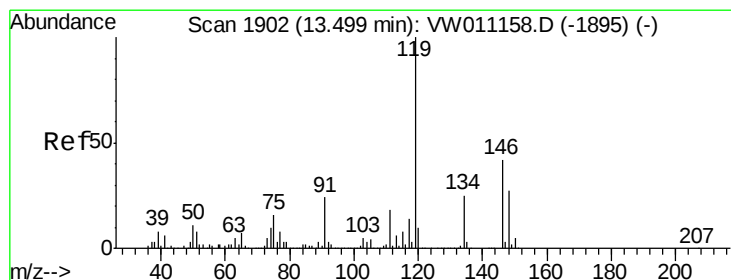
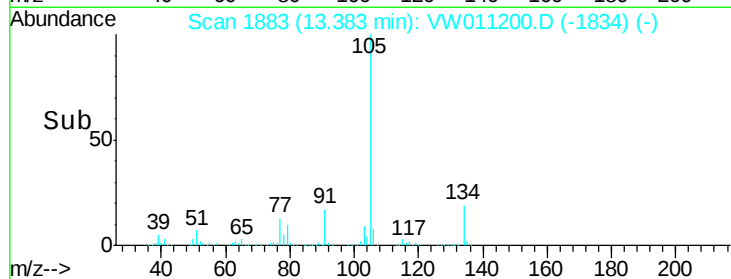
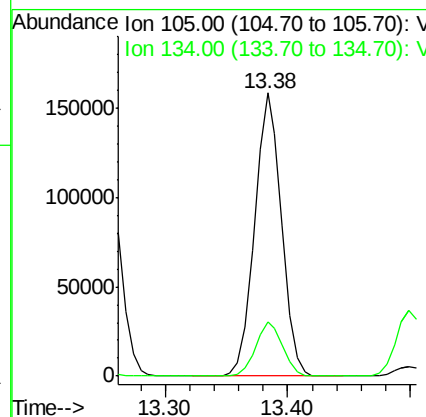
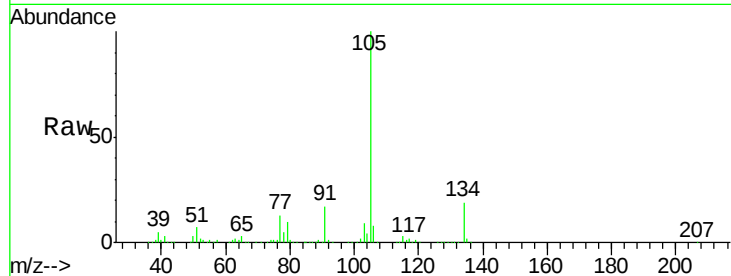
#85
 sec-Butylbenzene
 Concen: 20.597 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	241512		
134	19.2	9.7	28.9	

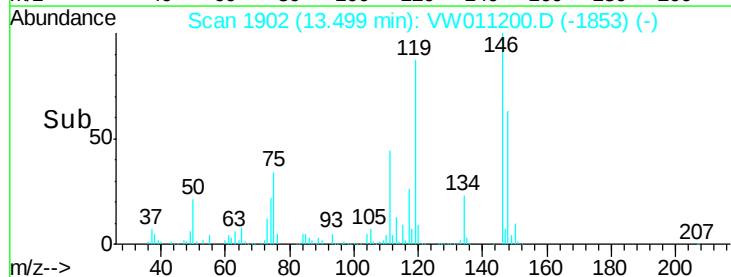
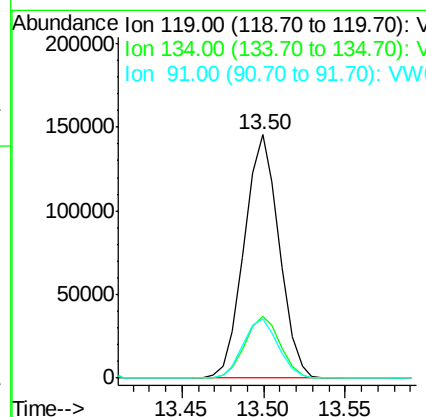
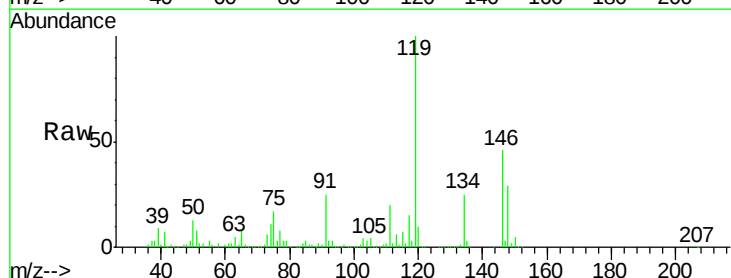
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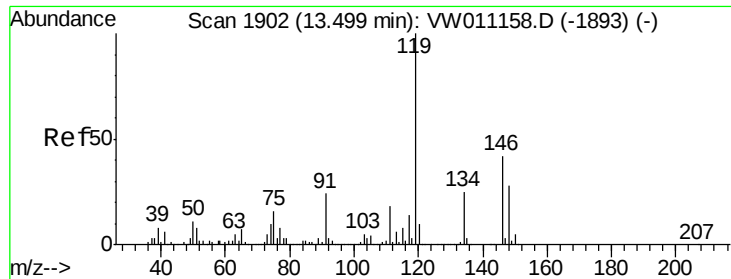
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#86
 p-Isopropyltoluene
 Concen: 20.620 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	216858		
134	25.7	12.9	38.6	
91	24.5	12.3	36.8	





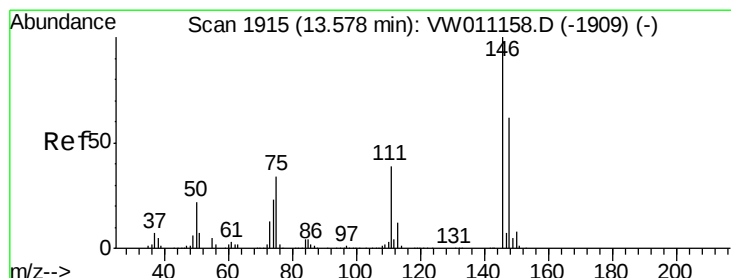
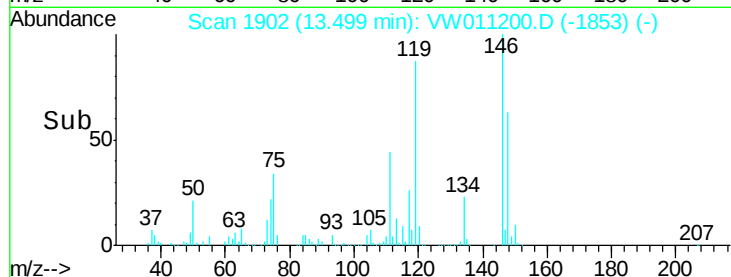
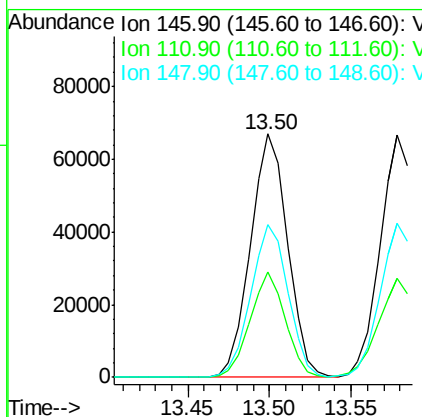
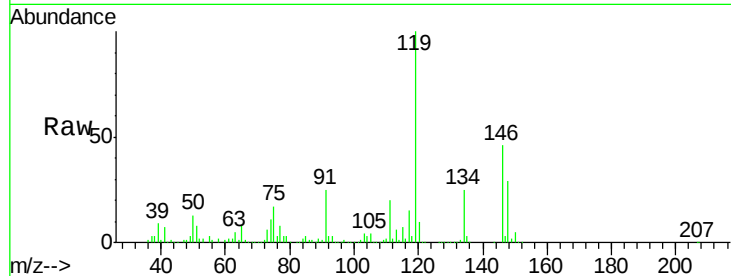
#87
 1,3-Dichlorobenzene
 Concen: 21.454 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	106244		
111	41.2	21.1	63.1	
148	63.1	32.6	97.7	

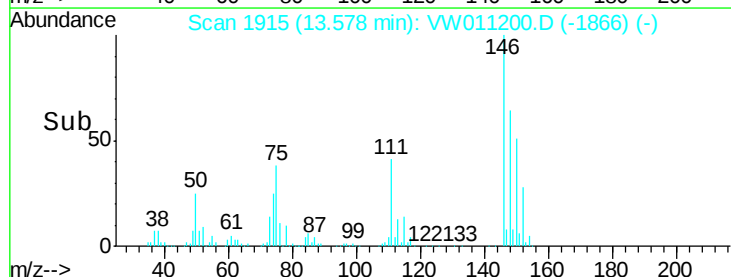
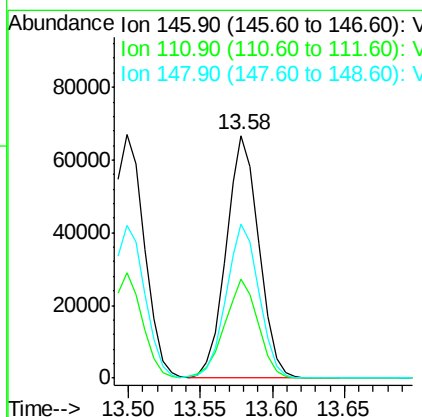
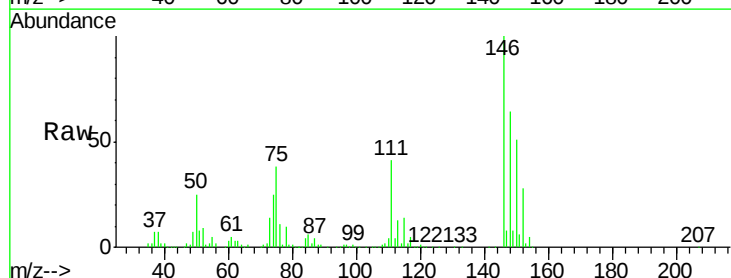
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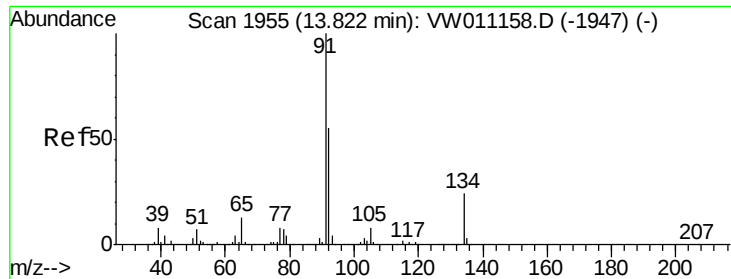
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#88
 1,4-Dichlorobenzene
 Concen: 21.215 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	105795		
111	42.0	19.9	59.7	
148	64.2	31.5	94.5	





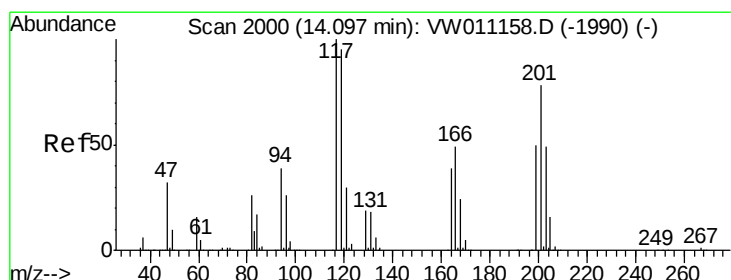
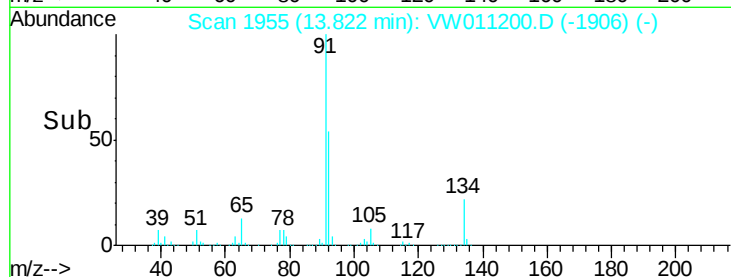
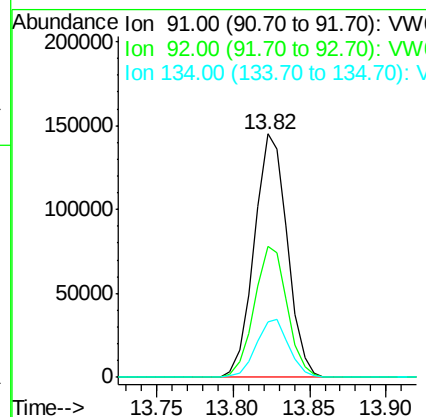
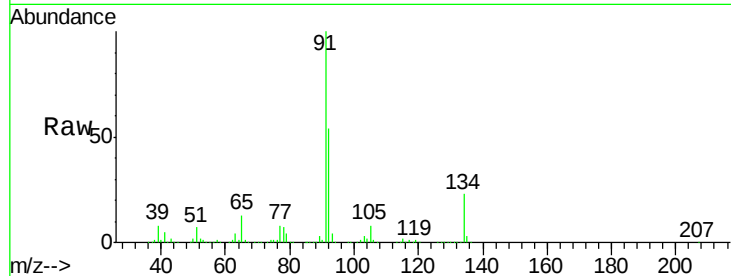
#89
n-Butylbenzene
Concen: 20.729 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.7
134	23.5	12.2	36.4

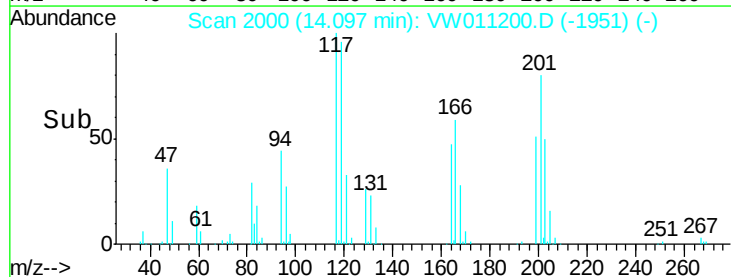
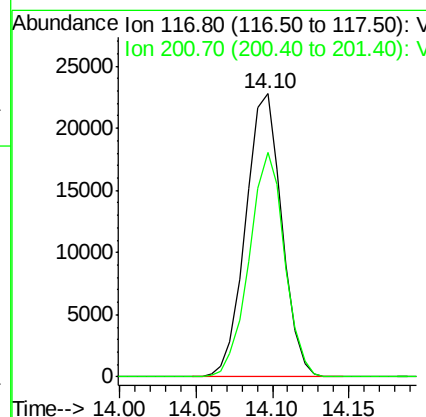
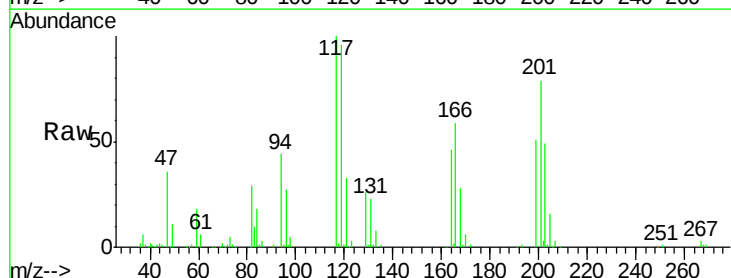
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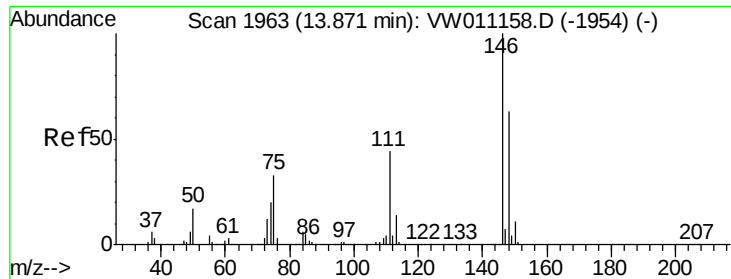
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#90
Hexachloroethane
Concen: 19.472 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.5	38.3	114.8





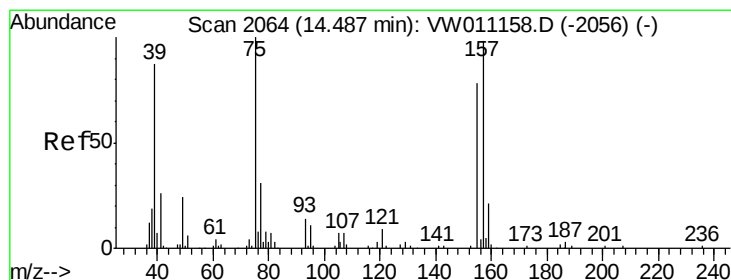
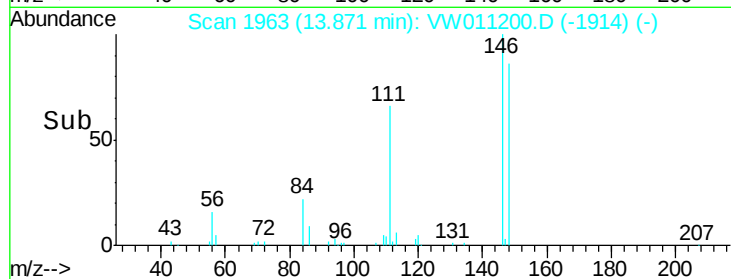
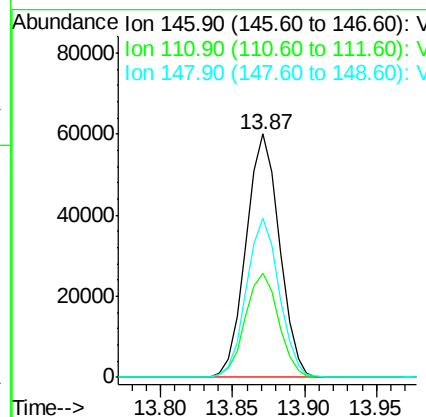
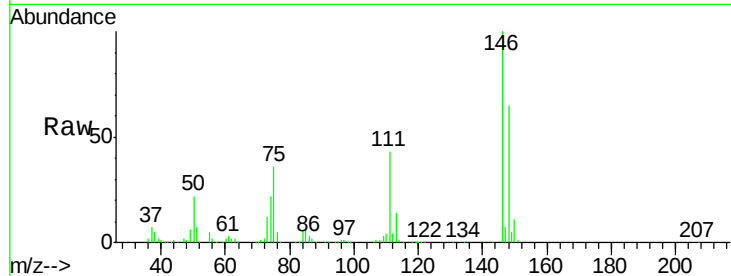
#91
 1,2-Dichlorobenzene
 Concen: 21.448 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	65.0
148	64.1	31.9	95.5

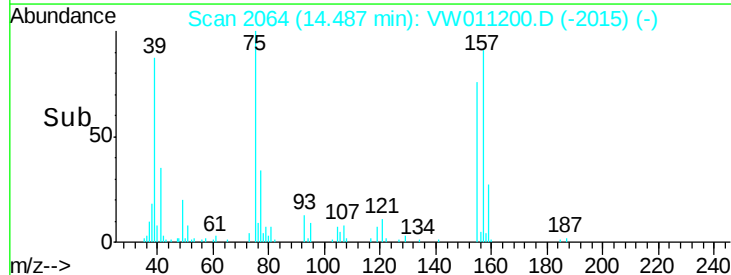
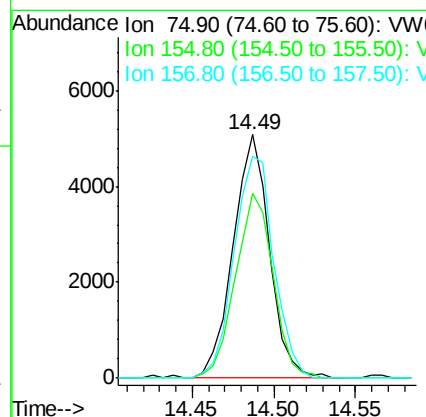
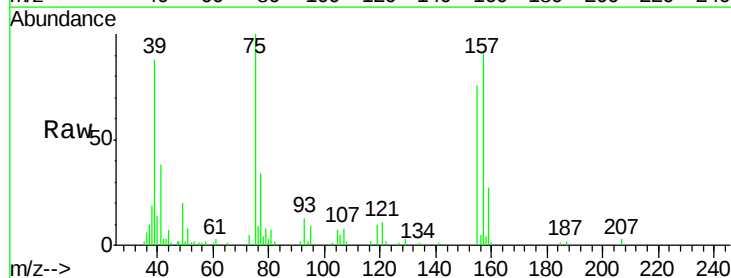
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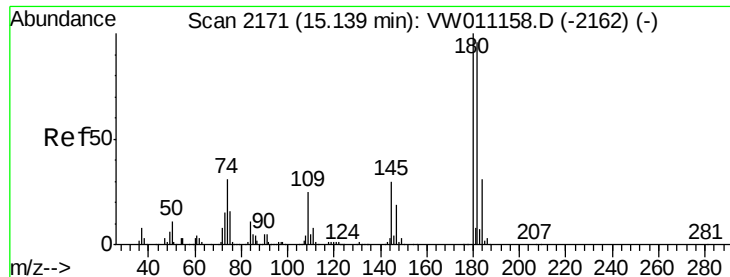
MMDadoda
 7/11/2019 2:50:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.850 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	37.1	111.3
157	99.7	48.5	145.6





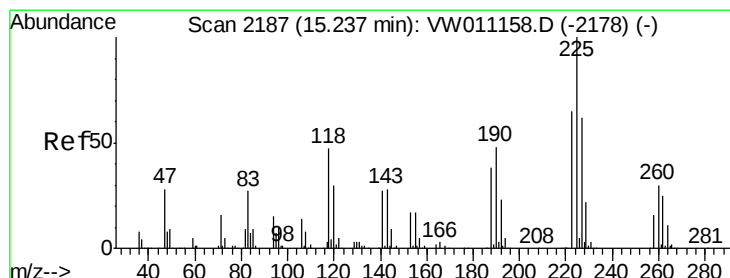
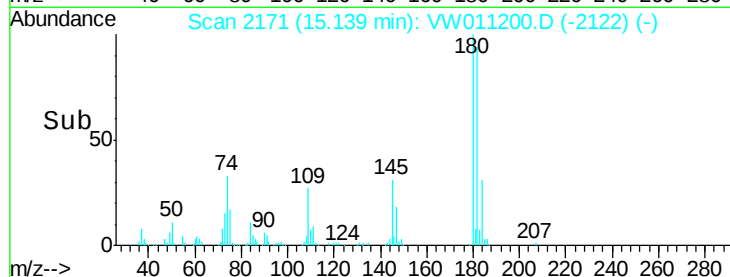
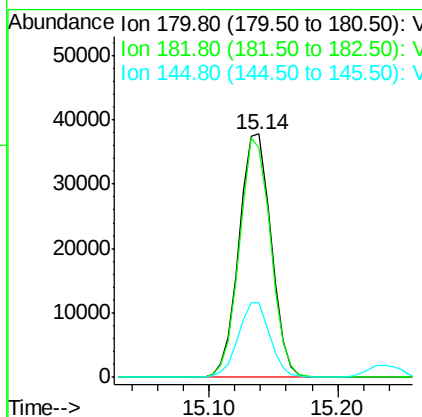
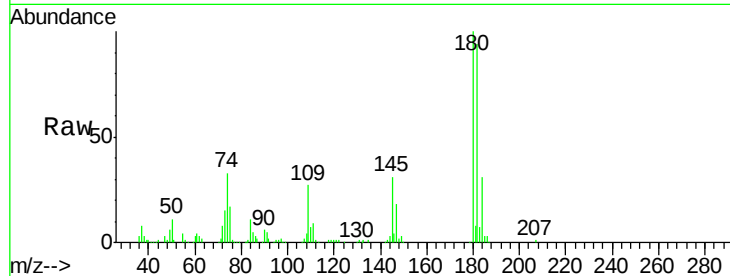
#93
 1,2,4-Trichlorobenzene
 Concen: 21.055 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	65154		
182	95.6	48.3	144.9	
145	30.3	15.5	46.5	

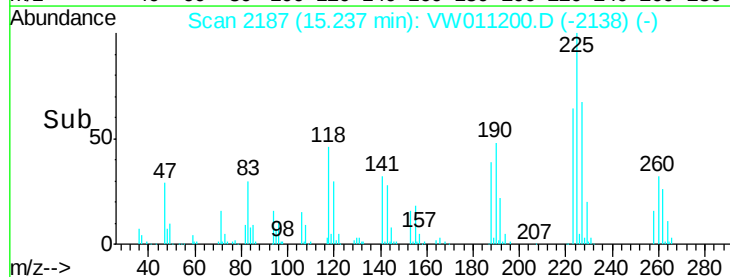
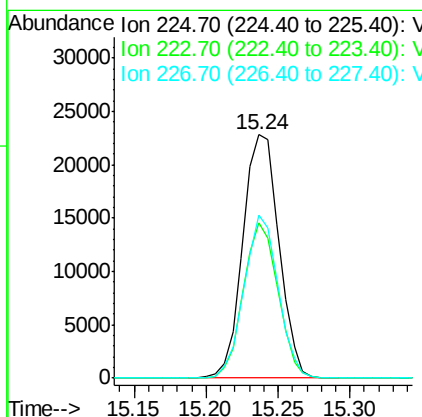
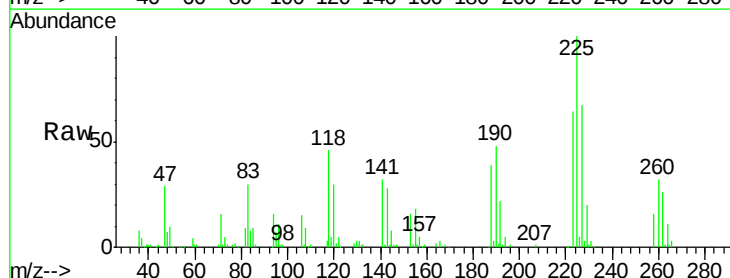
Manual Integrations
 APPROVED

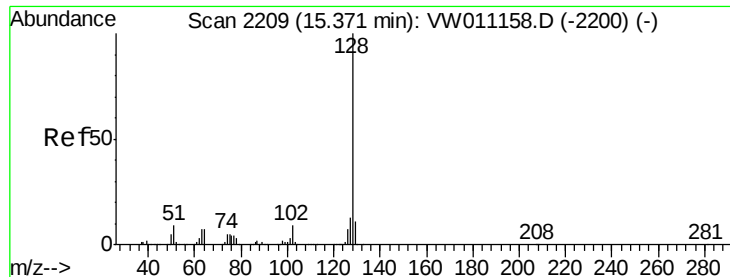
MMDadoda
 7/11/2019 2:50:09 PM



#94
 Hexachlorobutadiene
 Concen: 20.818 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011200.D
 Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39550		
223	61.1	31.6	95.0	
227	63.2	32.0	96.0	





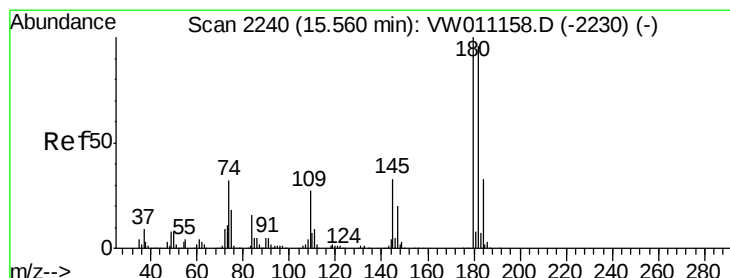
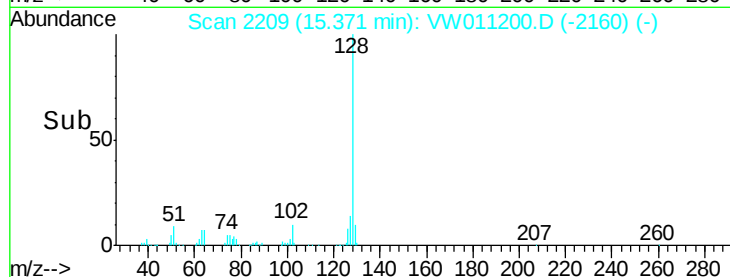
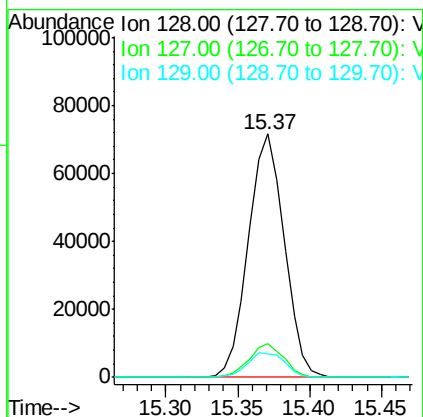
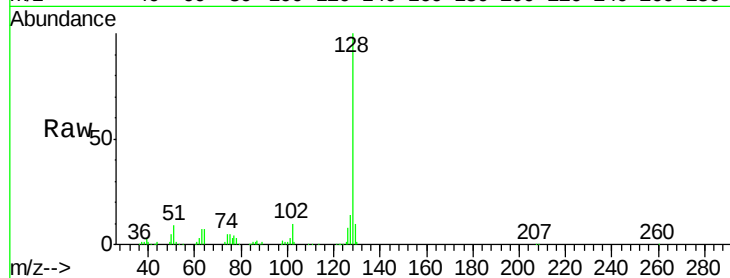
#95
Naphthalene
Concen: 20.856 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	123670		
127	13.5	10.6	16.0	
129	10.7	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
7/11/2019 2:50:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.672 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011200.D
Acq: 10 Jul 2019 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	59186		
182	95.8	47.6	142.8	
145	32.6	16.5	49.5	

