

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070419\
 Data File : VW011139.D
 Acq On : 03 Jul 2019 13:58
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 9:41:34 AM

Quant Time: Jul 04 04:02:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	222905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	358644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	150664	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	133975	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
35) Dibromofluoromethane	7.88	113	107083	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	10.32	98	449822	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	12.62	95	157900	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	85186	50.695	ug/l	98
3) Chloromethane	2.21	50	109331	48.535	ug/l	97
4) Vinyl Chloride	2.35	62	146904	50.086	ug/l	98
5) Bromomethane	2.77	94	73122	50.086	ug/l	99
6) Chloroethane	2.92	64	81144	52.475	ug/l	99
7) Trichlorofluoromethane	3.25	101	55326	64.190	ug/l	95
8) Diethyl Ether	3.68	74	67213	49.239	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	126690	52.263	ug/l	99
10) Methyl Iodide	4.26	142	166801	49.182	ug/l	100
11) Tert butyl alcohol	5.16	59	43967	207.749	ug/l	99
12) 1,1-Dichloroethene	4.03	96	129218	51.212	ug/l	94
13) Acrolein	3.89	56	38828	235.272	ug/l	100
14) Allyl chloride	4.66	41	249117	61.343	ug/l	99
15) Acrylonitrile	5.36	53	164289	244.407	ug/l	100
16) Acetone	4.12	43	204461	287.454	ug/l	97
17) Carbon Disulfide	4.38	76	380169	53.109	ug/l	100
18) Methyl Acetate	4.66	43	80327	43.597	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	177516	49.706	ug/l	98
20) Methylene Chloride	4.92	84	134057	46.388	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	135358	52.060	ug/l	99
22) Diisopropyl ether	6.31	45	500802	51.245	ug/l	97
23) Vinyl Acetate	6.24	43	1546825	256.883	ug/l	99
24) 1,1-Dichloroethane	6.21	63	266578	51.678	ug/l	100
25) 2-Butanone	7.17	43	261562	241.924	ug/l	99
26) 2,2-Dichloropropane	7.16	77	134657	50.277	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	144203	51.510	ug/l	98
28) Bromochloromethane	7.51	49	110133	45.862	ug/l	99
29) Tetrahydrofuran	7.52	42	156963	233.215	ug/l	99
30) Chloroform	7.67	83	241115	51.449	ug/l	100
31) Cyclohexane	7.95	56	275716	49.465	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	187684	53.594	ug/l	99
36) 1,1-Dichloropropene	8.08	75	207619	53.860	ug/l	99
37) Ethyl Acetate	7.25	43	106400	47.447	ug/l	99
38) Carbon Tetrachloride	8.06	117	174623	55.008	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	256355	54.038	ug/l	99
40) Benzene	8.32	78	563199	53.120	ug/l	99
41) Methacrylonitrile	7.48	41	60962	44.682	ug/l	91
42) 1,2-Dichloroethane	8.40	62	173054	49.781	ug/l	100
43) Isopropyl Acetate	8.42	43	204548	48.217	ug/l	99
44) Trichloroethene	9.09	130	135620	52.928	ug/l	97
45) 1,2-Dichloropropane	9.37	63	150976	52.438	ug/l	97
46) Dibromomethane	9.46	93	66530	49.409	ug/l	99
47) Bromodichloromethane	9.64	83	176390	52.909	ug/l	97
48) Methyl methacrylate	9.43	41	107702	52.361	ug/l	94
49) 1,4-Dioxane	9.44	88	21445	947.205	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	535783	239.932	ug/l	99
52) Toluene	10.38	92	347077	53.470	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	183081	52.723	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	222164	53.633	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	94376	49.609	ug/l	97
56) Ethyl methacrylate	10.65	69	143723	50.451	ug/l	96
57) 1,3-Dichloropropane	10.93	76	182529	50.440	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	361478	250.787	ug/l	99
59) 2-Hexanone	10.97	43	396875	254.853	ug/l	99
60) Dibromochloromethane	11.13	129	104348	52.307	ug/l	99
61) 1,2-Dibromoethane	11.23	107	88458	49.669	ug/l	99
64) Tetrachloroethene	10.86	164	110900	51.570	ug/l	96
65) Chlorobenzene	11.66	112	337526	52.766	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	118114	54.386	ug/l	99
67) Ethyl Benzene	11.73	91	673010	54.933	ug/l	100
68) m/p-Xylenes	11.84	106	485003	109.097	ug/l	99
69) o-Xylene	12.16	106	225265	54.402	ug/l	100
70) Styrene	12.18	104	391815	54.453	ug/l	99
71) Bromoform	12.35	173	55762	52.667	ug/l #	100
73) Isopropylbenzene	12.46	105	631025	55.908	ug/l	100
74) N-amyl acetate	12.27	43	192788	50.860	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	111984	50.524	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	78582m	49.403	ug/l	
77) Bromobenzene	12.74	156	132487	53.403	ug/l	99
78) n-propylbenzene	12.80	91	782830	56.008	ug/l	99
79) 2-Chlorotoluene	12.89	91	434111	54.364	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	531274	55.535	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35884	48.165	ug/l	98
82) 4-Chlorotoluene	12.99	91	454942	54.671	ug/l	100
83) tert-Butylbenzene	13.21	119	448425	56.212	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	534524	55.280	ug/l	99
85) sec-Butylbenzene	13.38	105	649069	56.008	ug/l	100
86) p-Isopropyltoluene	13.50	119	581227	55.734	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	265276	54.056	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	261590	53.399	ug/l	99
89) n-Butylbenzene	13.82	91	591607	55.814	ug/l	99
90) Hexachloroethane	14.10	117	100661	56.413	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	230542	52.306	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18708	49.665	ug/l	98

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QLast Update : Fri Jun 28 01:55:46 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	168963	54.485	ug/l	99
94) Hexachlorobutadiene	15.24	225	102240	54.357	ug/l	99
95) Naphthalene	15.37	128	302128	51.866	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	143076	51.670	ug/l	100

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

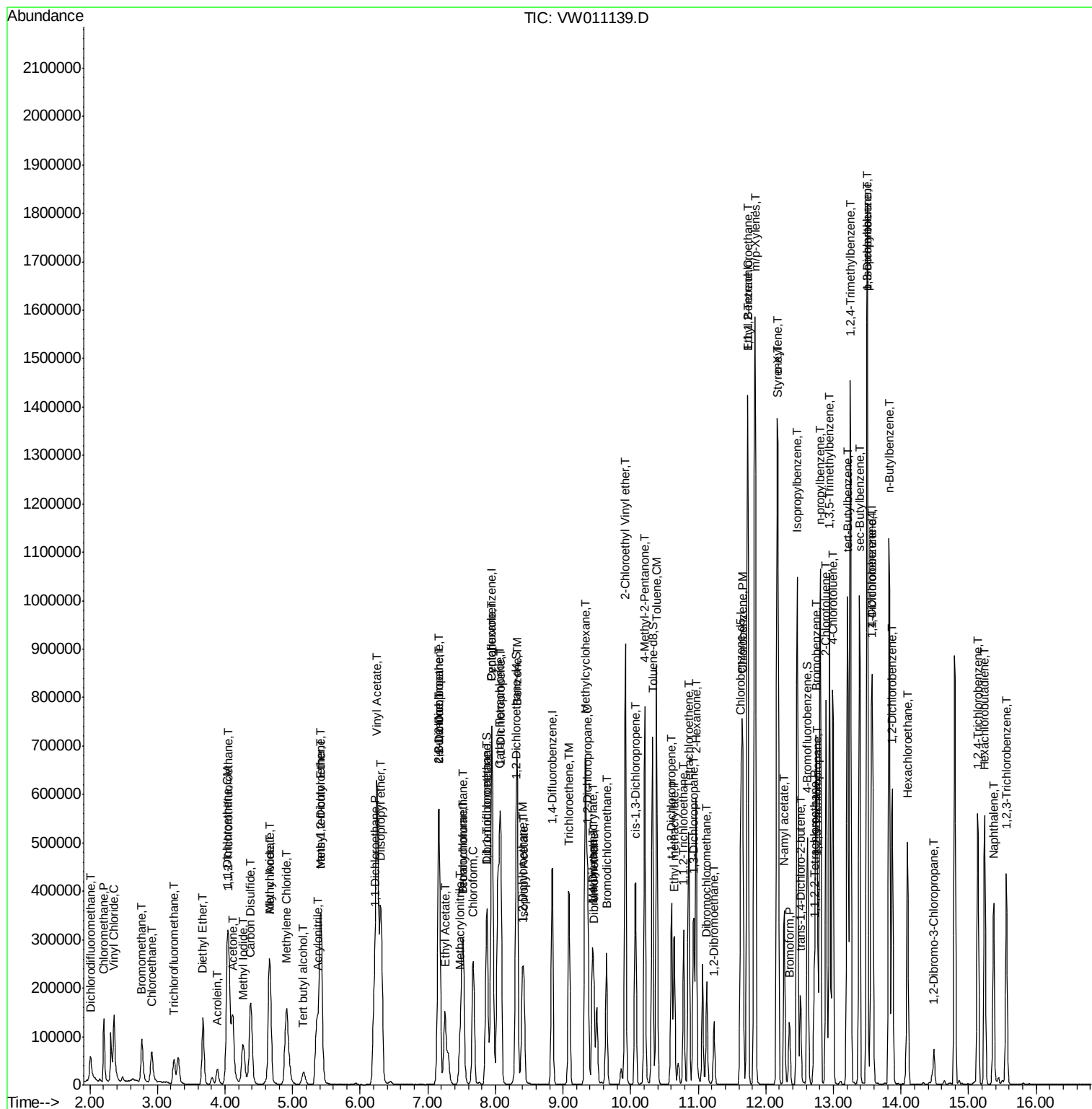
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW070419\
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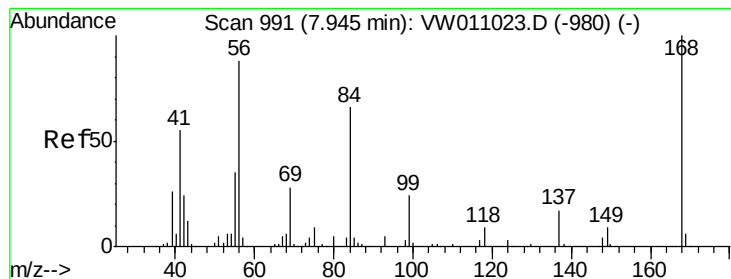
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 222905

Ion Ratio Lower Upper

168 100

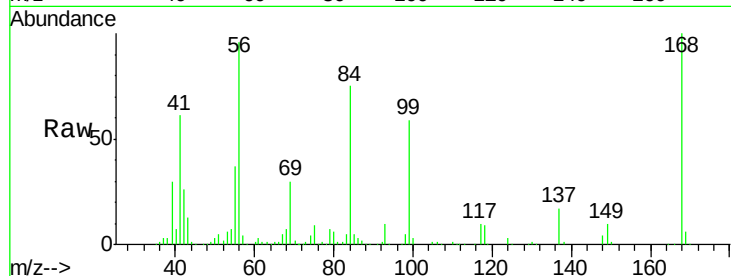
99 59.2 47.8 71.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

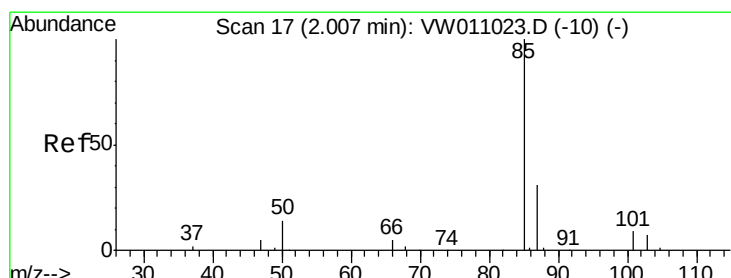
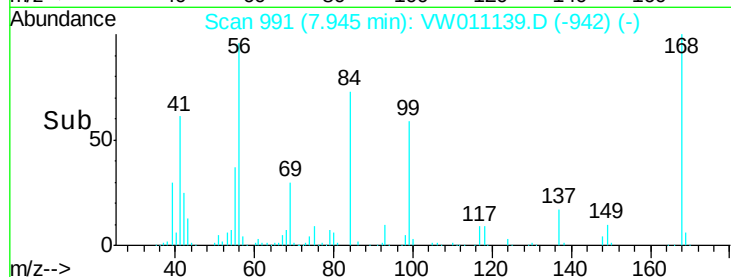
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.695 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011139.D

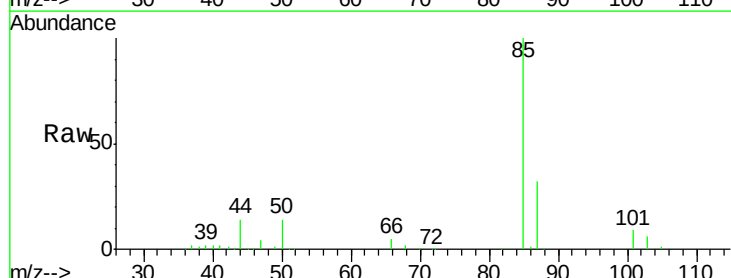
Acq: 03 Jul 2019 13:58

Tgt Ion: 85 Resp: 85186

Ion Ratio Lower Upper

85 100

87 32.4 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

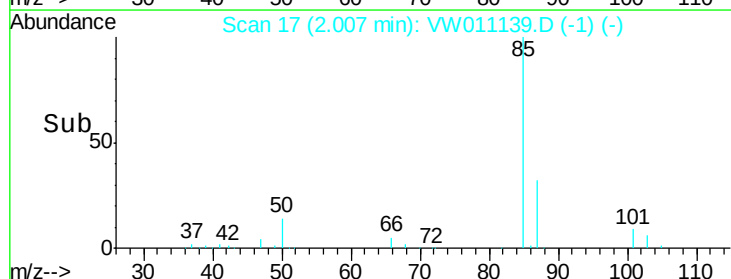
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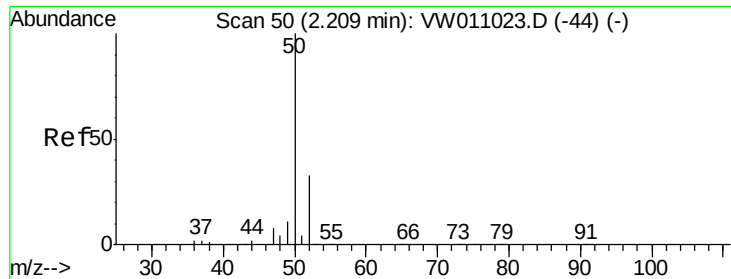
20000

10000

0

Time-->





#3

Chloromethane

Concen: 48.535 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 109331

Ion Ratio Lower Upper

50 100

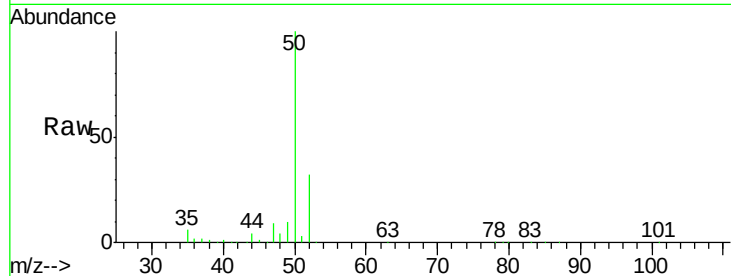
52 31.6 26.6 40.0

Manual Integrations

APPROVED

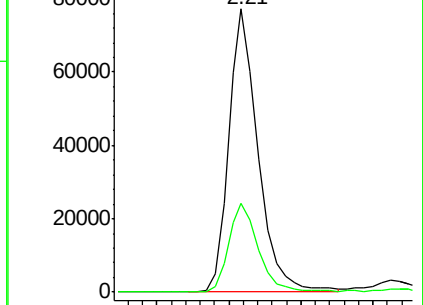
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7/8/2019 9:41:34 AM

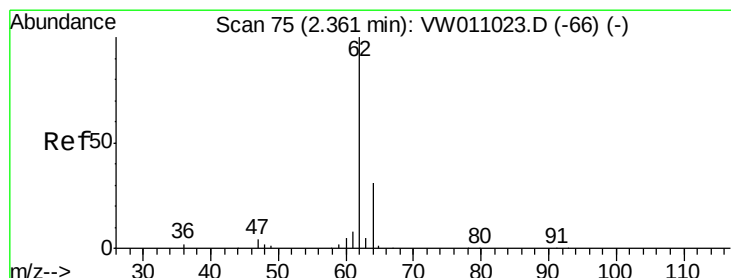
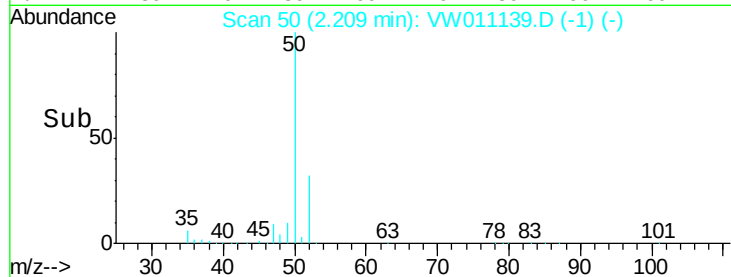


Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



Time-->



#4

Vinyl Chloride

Concen: 50.086 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011139.D

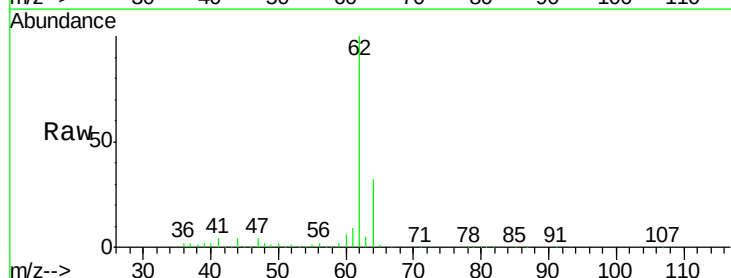
Acq: 03 Jul 2019 13:58

Tgt Ion: 62 Resp: 146904

Ion Ratio Lower Upper

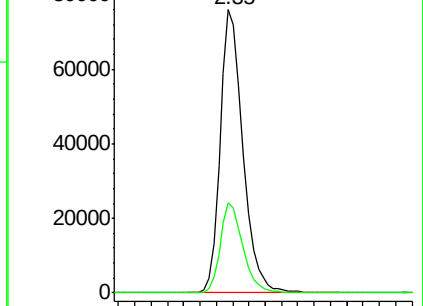
62 100

64 31.8 24.8 37.2

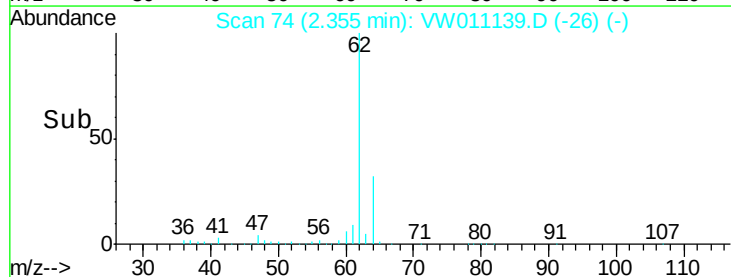


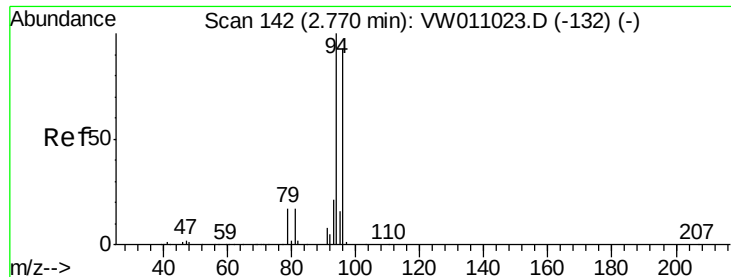
Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW



Time-->





#5

Bromomethane

Concen: 50.086 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 73122

Ion Ratio Lower Upper

94 100

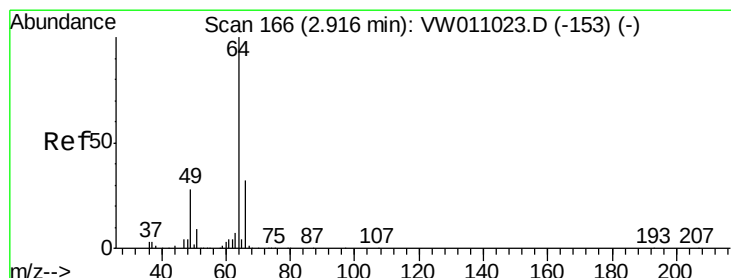
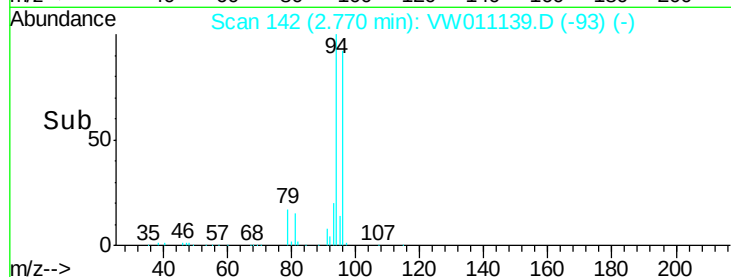
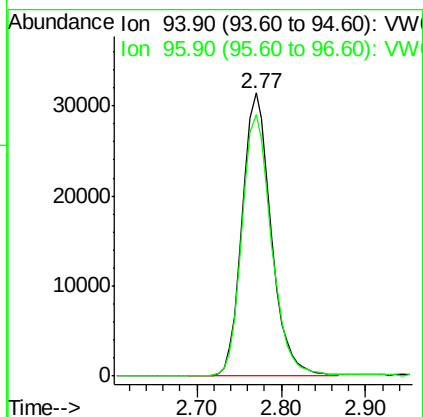
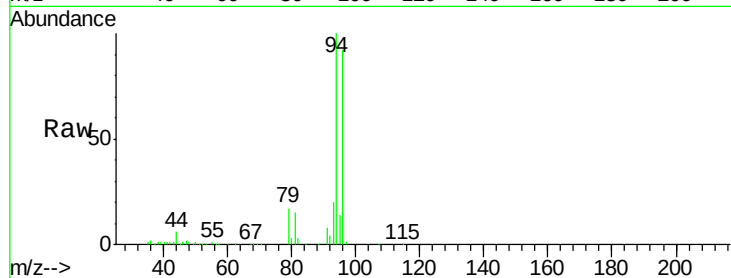
96 92.2 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 52.475 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011139.D

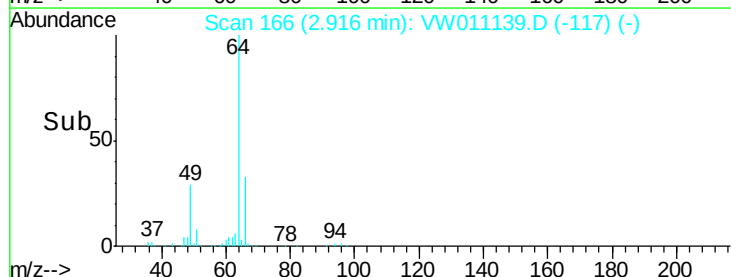
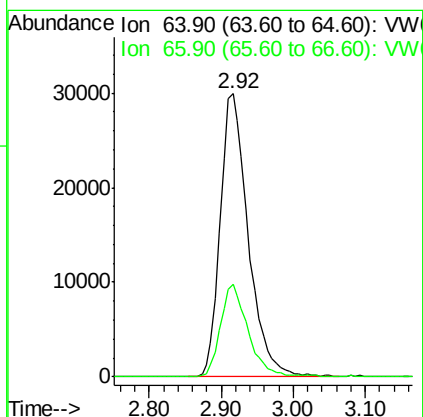
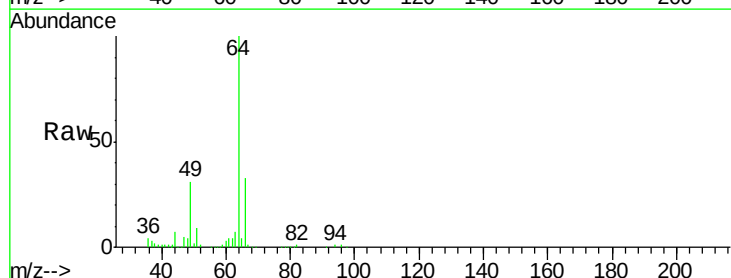
Acq: 03 Jul 2019 13:58

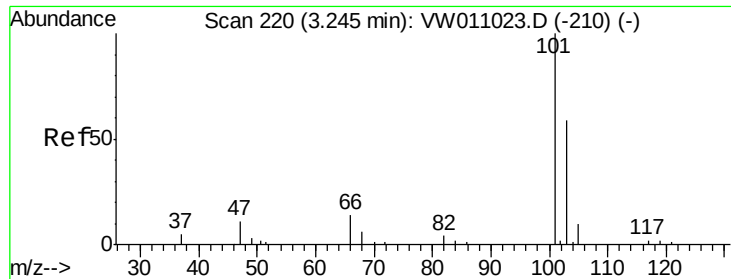
Tgt Ion: 64 Resp: 81144

Ion Ratio Lower Upper

64 100

66 32.8 25.7 38.5





#7

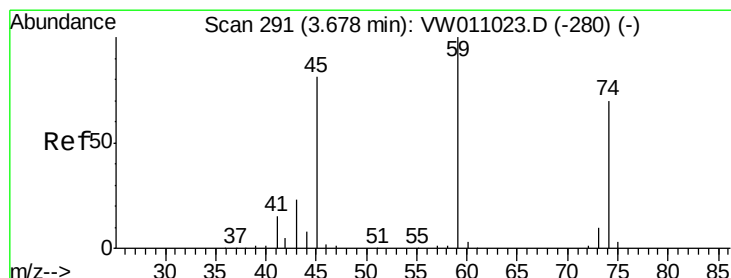
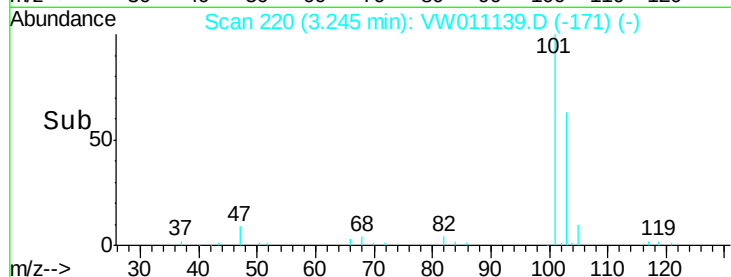
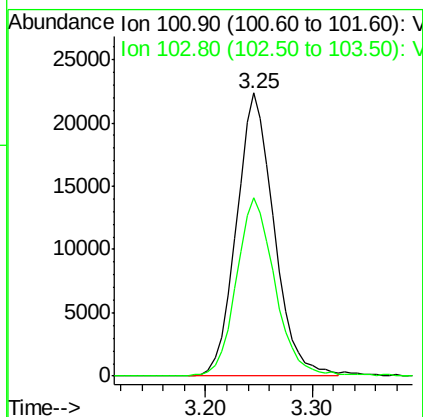
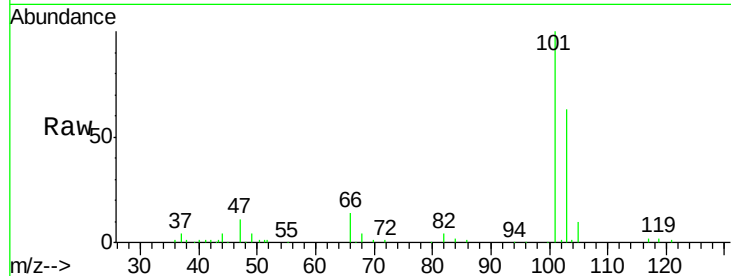
Trichlorofluoromethane
Concen: 64.190 ug/l
RT: 3.25 min Scan# 220
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	47.5	71.3

Manual Integrations
APPROVED

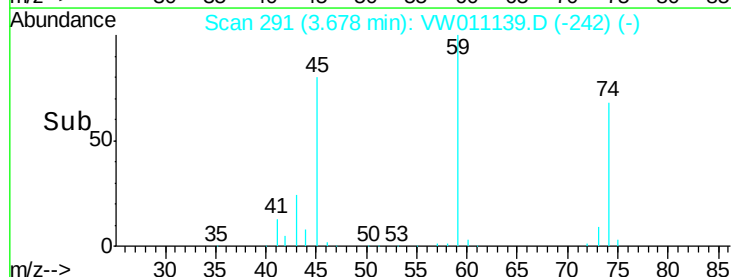
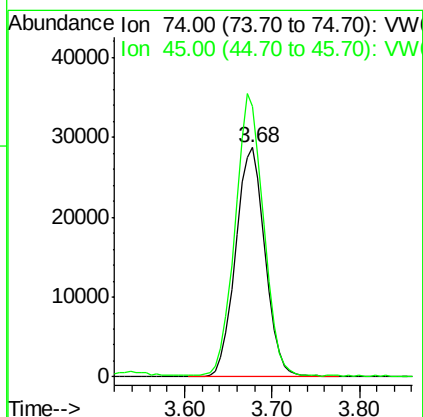
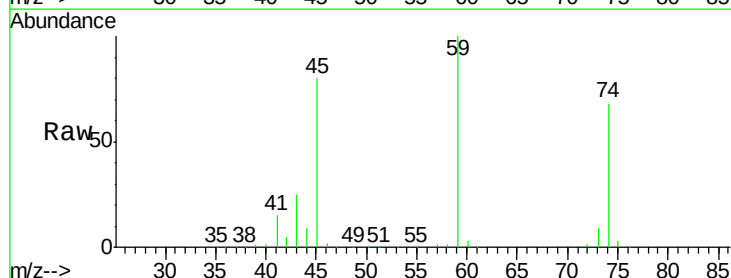
MMDadoda
7/8/2019 9:41:34 AM

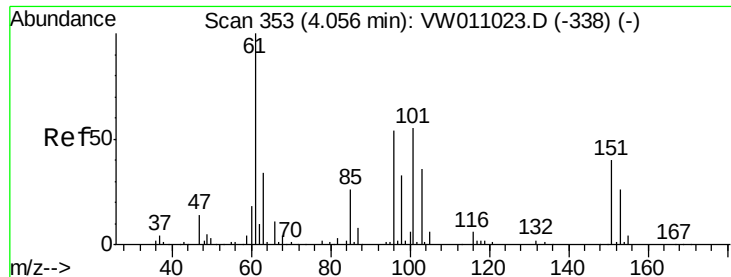


#8

Diethyl Ether
Concen: 49.239 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.1	59.5	178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.263 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Instrument :

MSVOA_W

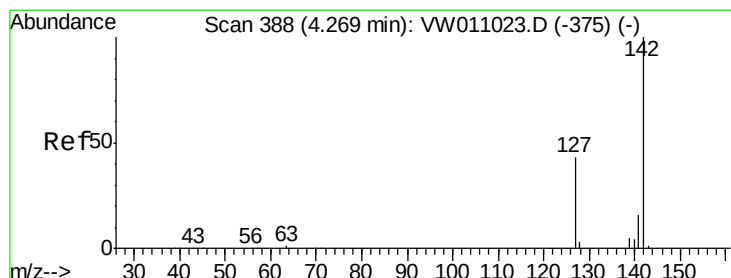
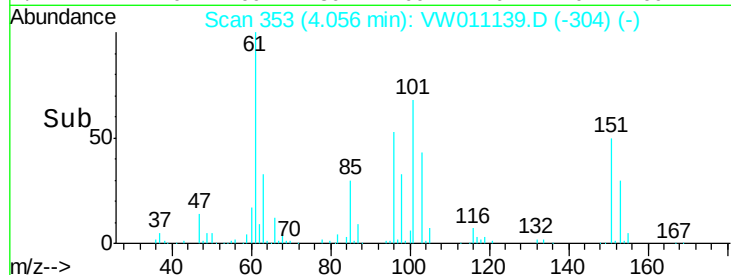
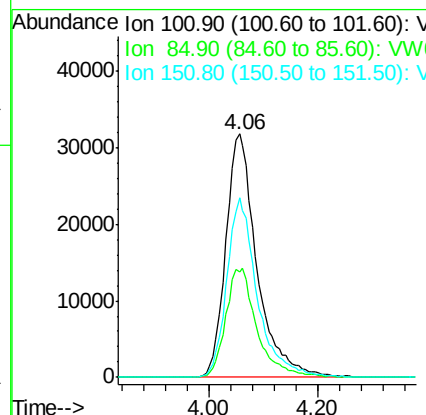
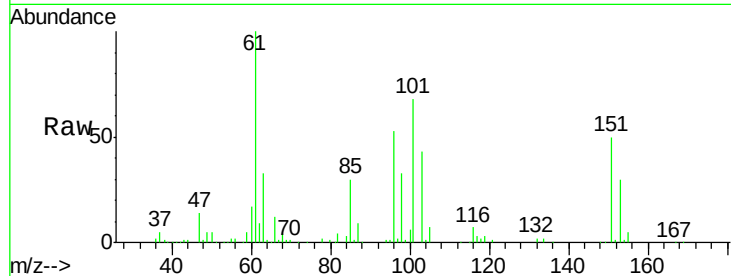
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	126690
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.6	55.0
151	72.2	58.9	88.3

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#10

Methyl Iodide

Concen: 49.182 ug/l

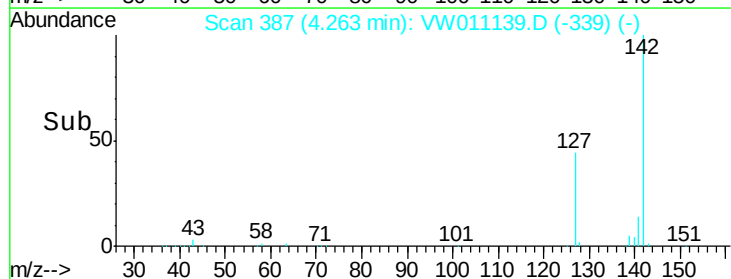
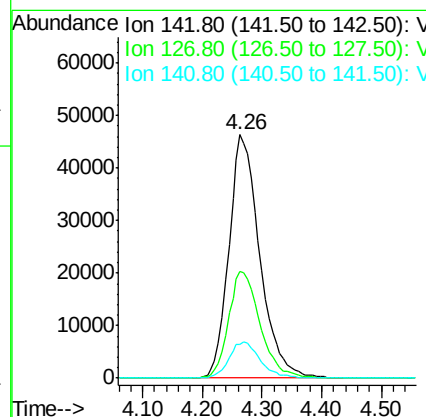
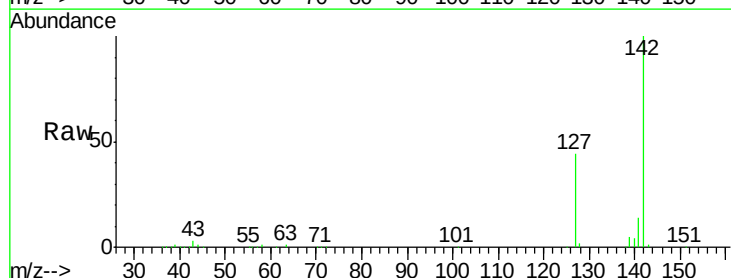
RT: 4.26 min Scan# 387

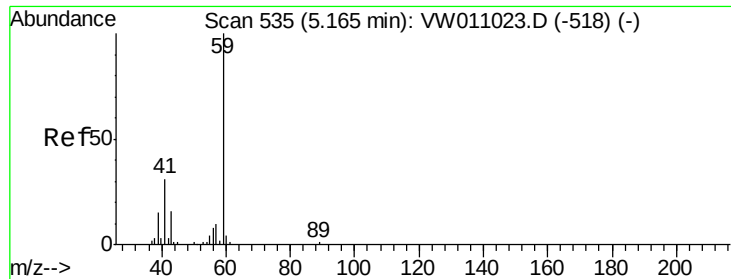
Delta R.T. -0.01 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Tgt Ion:	142	Resp:	166801
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.8	53.8
141	14.9	12.2	18.2





#11

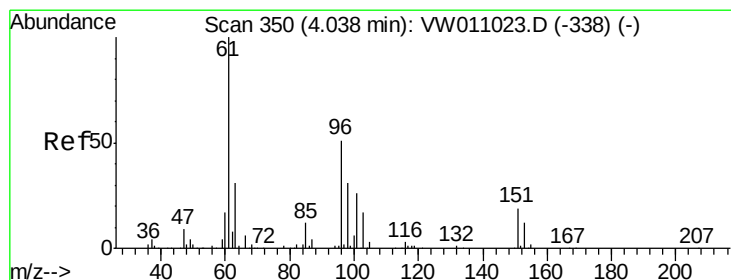
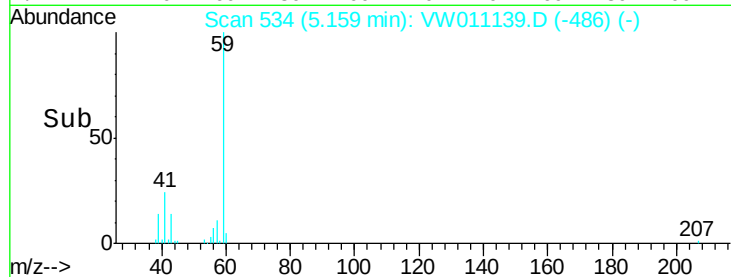
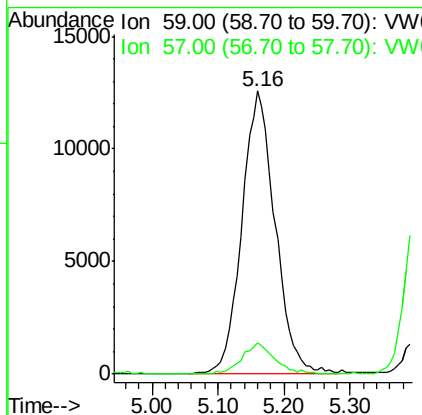
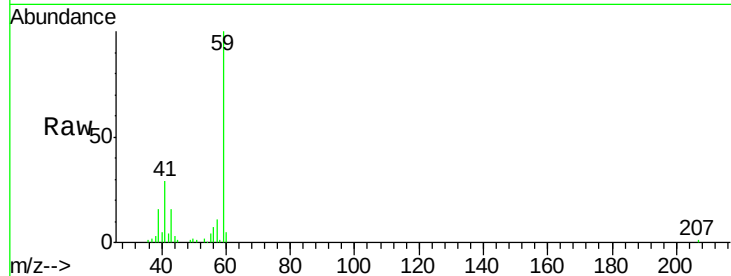
Tert butyl alcohol
 Concen: 207.749 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.0	13.4

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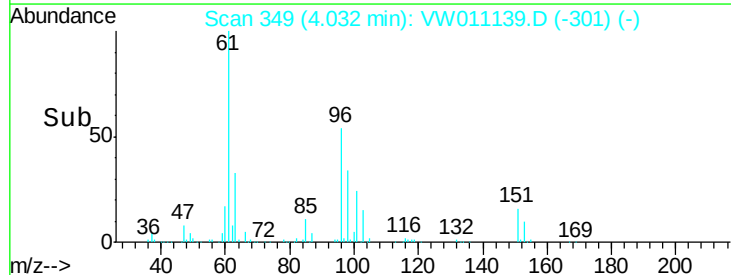
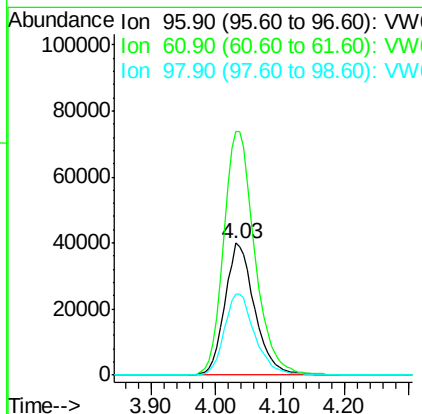
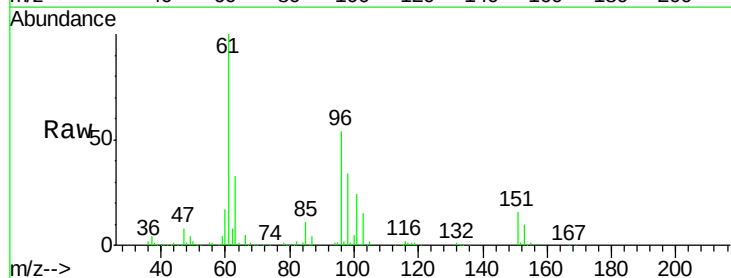
MMDadoda
 7/8/2019 9:41:34 AM

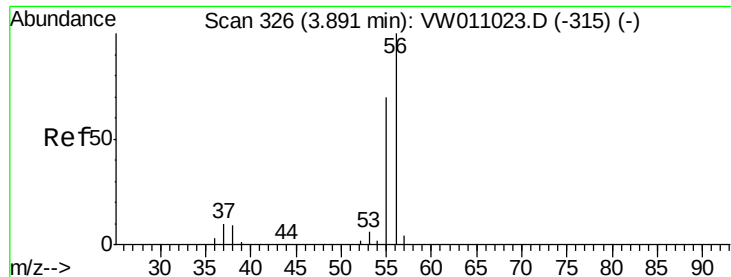


#12

1,1-Dichloroethene
 Concen: 51.212 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.6	156.0	234.0
98	61.9	48.7	73.1





#13

Acrolein

Concen: 235.272 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 38828

Ion Ratio Lower Upper

56 100

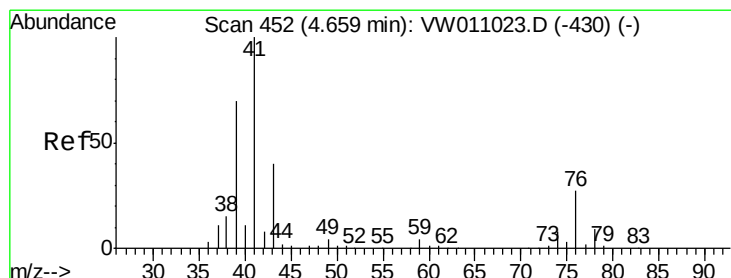
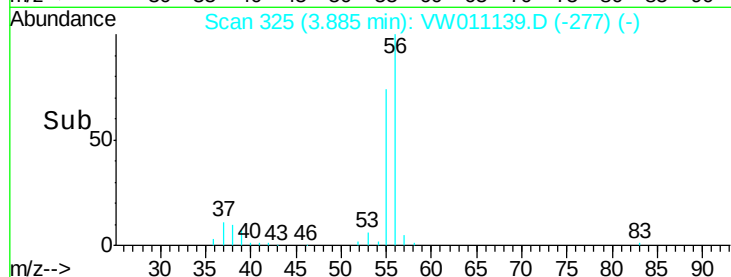
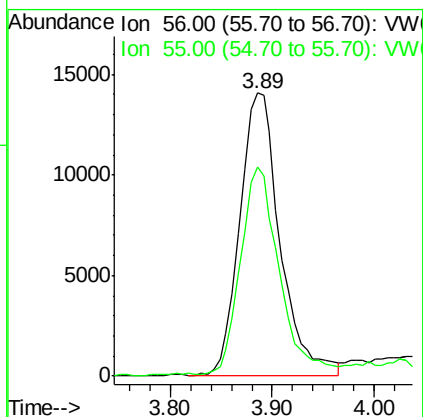
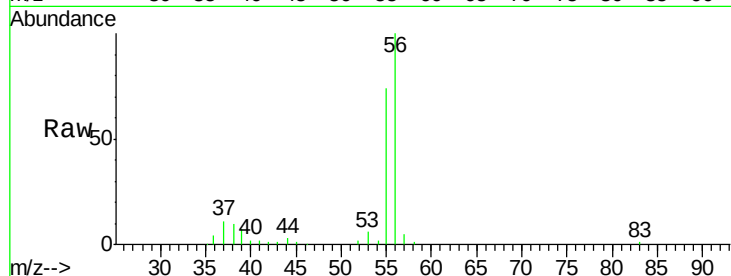
55 69.8 55.7 83.5

Manual Integrations

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#14

Allyl chloride

Concen: 61.343 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

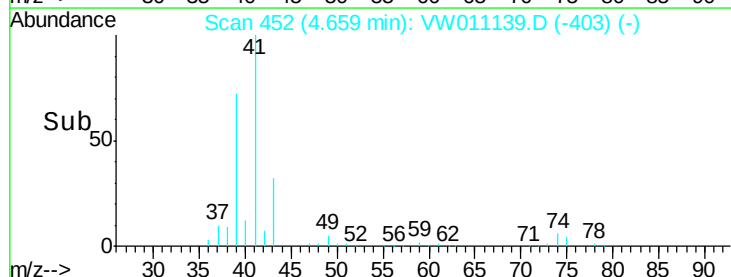
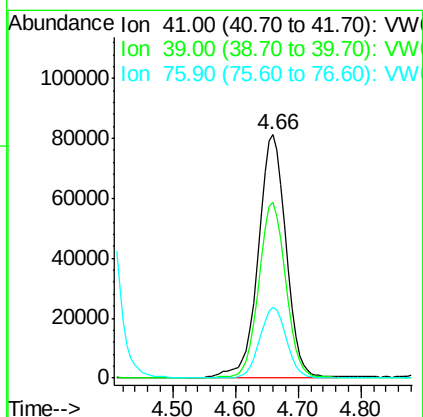
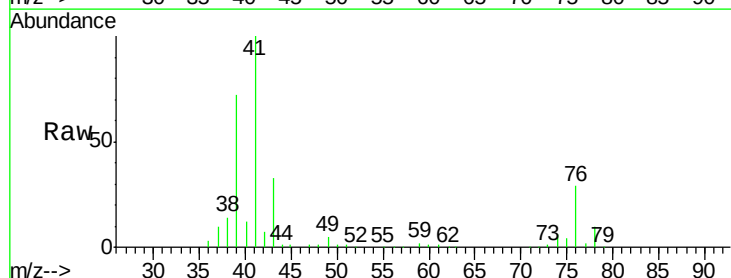
Tgt Ion: 41 Resp: 249117

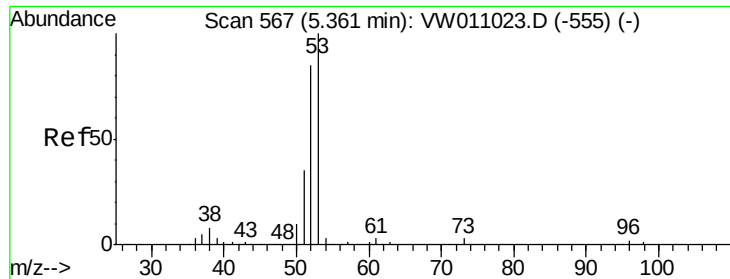
Ion Ratio Lower Upper

41 100

39 70.3 55.4 83.2

76 28.0 22.0 33.0





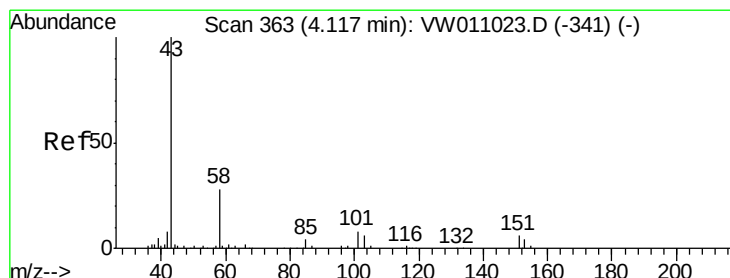
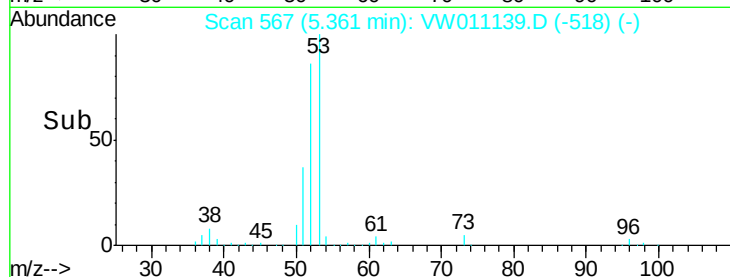
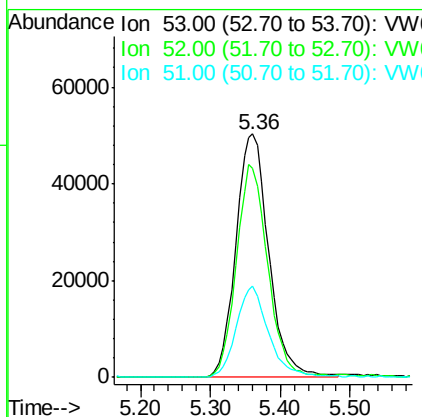
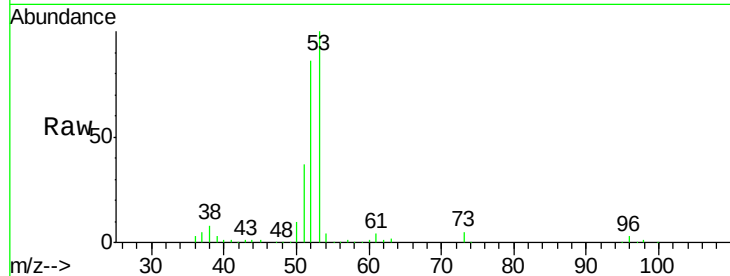
#15
 Acrylonitrile
 Concen: 244.407 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	53	Ratio	Lower	Upper
53	100			
52	83.4	66.3	99.5	
51	37.1	29.8	44.6	

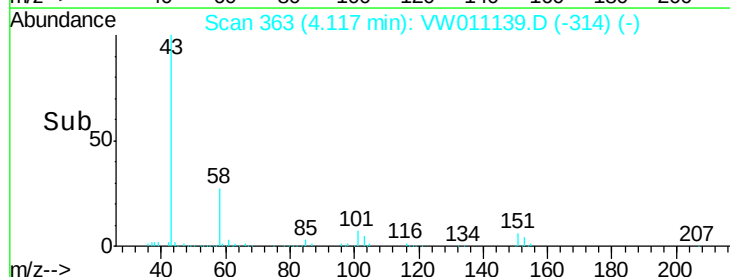
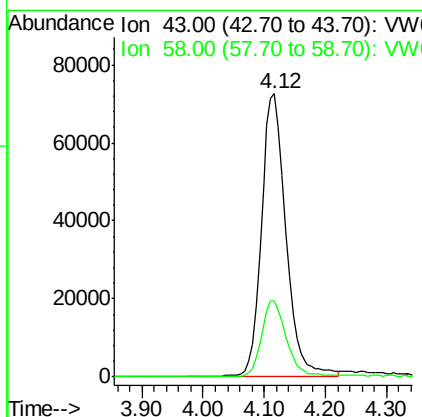
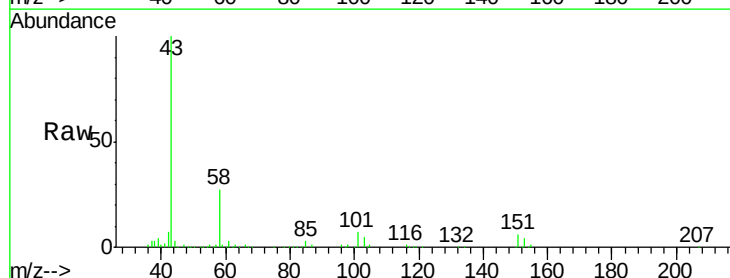
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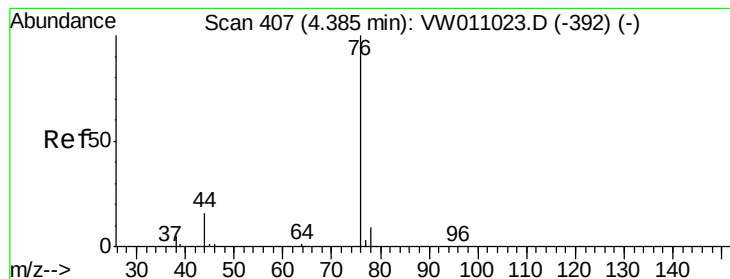
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#16
 Acetone
 Concen: 287.454 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Tgt Ion	43	Ratio	Lower	Upper
43	100			
58	26.7	22.5	33.7	





#17

Carbon Disulfide

Concen: 53.109 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 380169

Ion Ratio Lower Upper

76 100

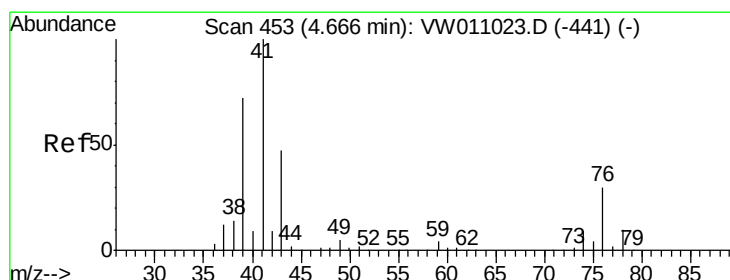
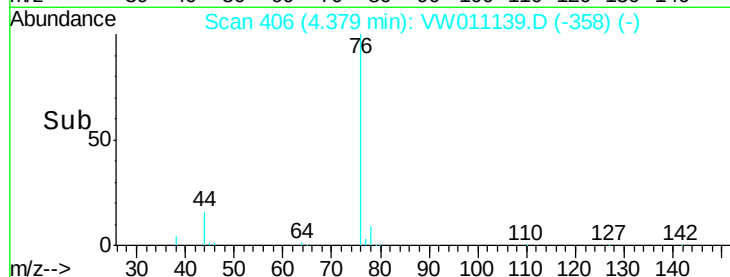
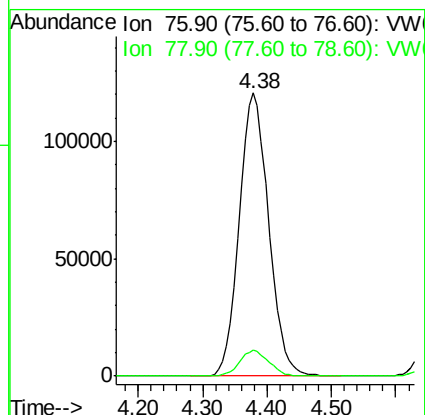
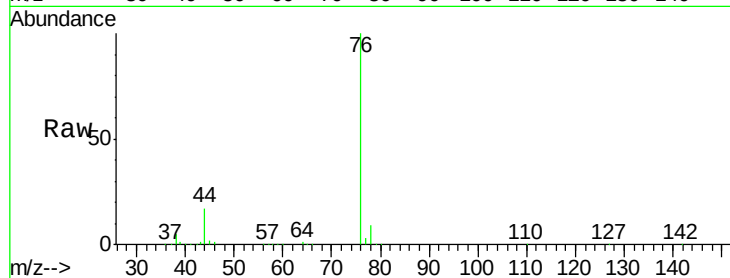
78 9.0 7.2 10.8

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#18

Methyl Acetate

Concen: 43.597 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011139.D

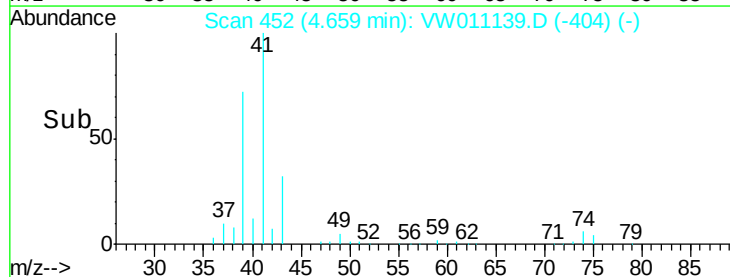
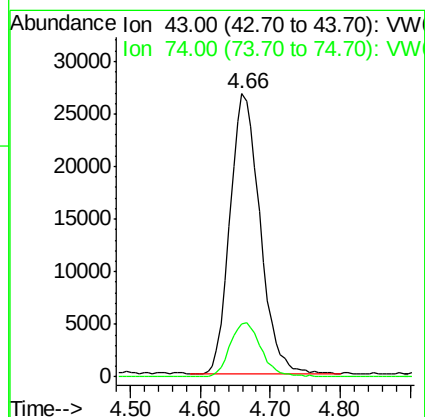
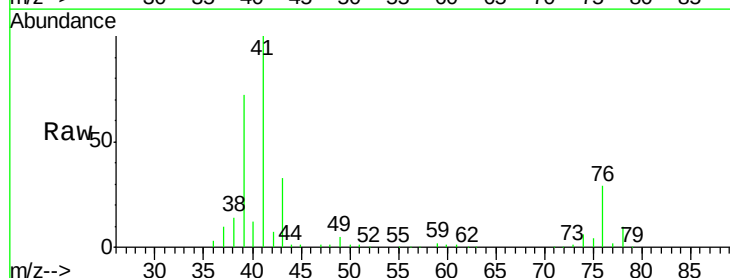
Acq: 03 Jul 2019 13:58

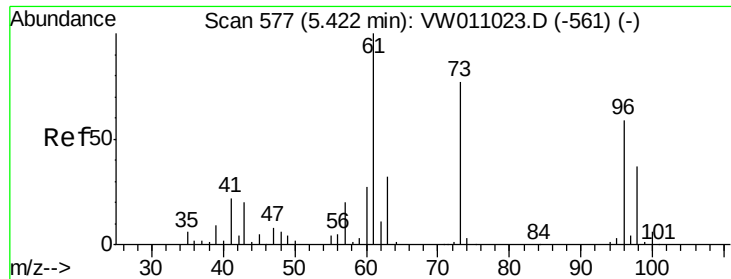
Tgt Ion: 43 Resp: 80327

Ion Ratio Lower Upper

43 100

74 19.9 15.8 23.8





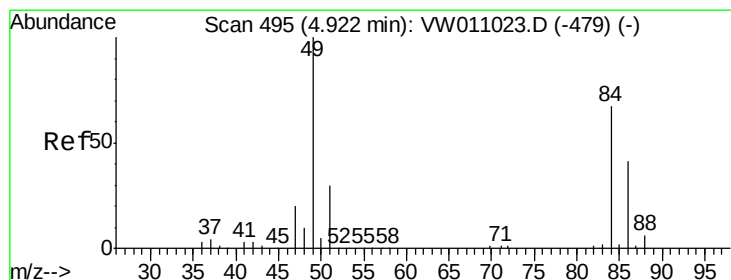
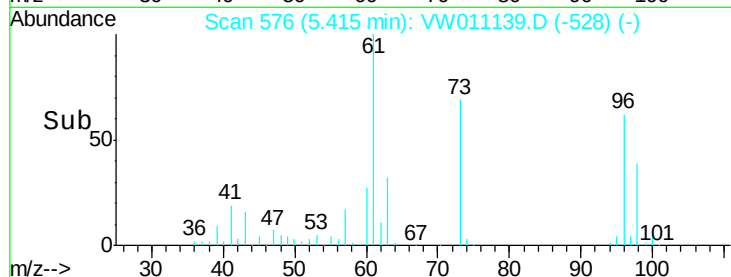
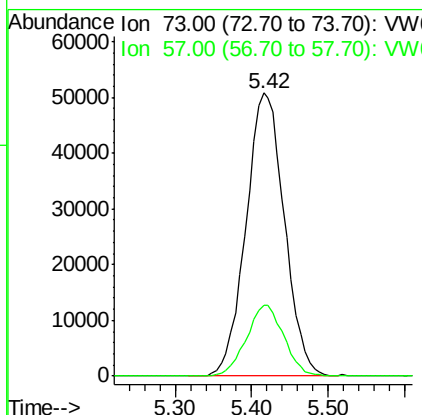
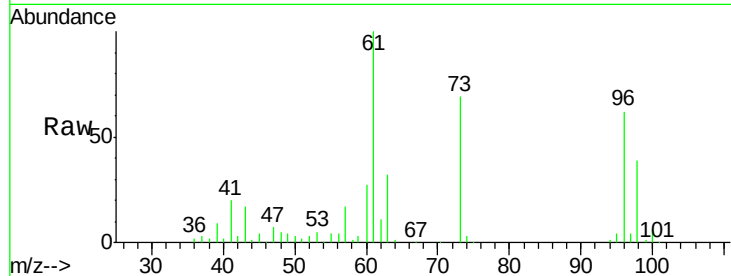
#19
Methyl tert-butyl Ether
Concen: 49.706 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 177516
Ion Ratio Lower Upper
73 100
57 24.9 20.8 31.2

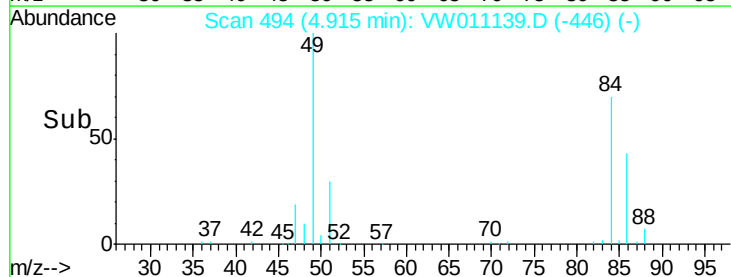
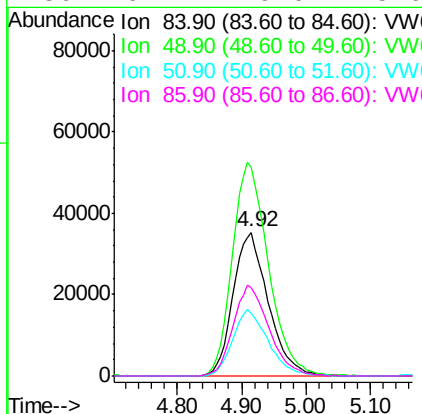
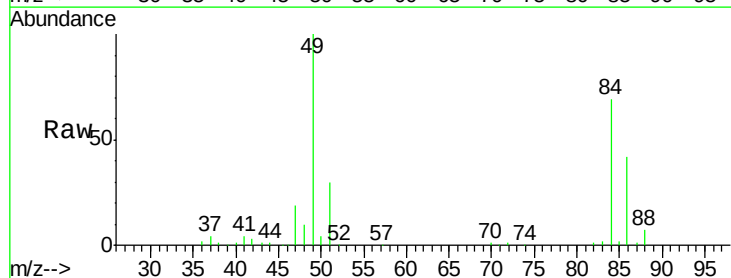
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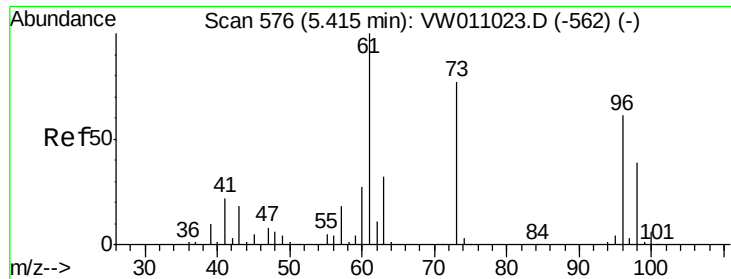
MMDadoda
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#20
Methylene Chloride
Concen: 46.388 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion: 84 Resp: 134057
Ion Ratio Lower Upper
84 100
49 145.1 119.6 179.4
51 43.7 35.6 53.4
86 61.4 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 52.060 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Instrument :

MSVOA_W

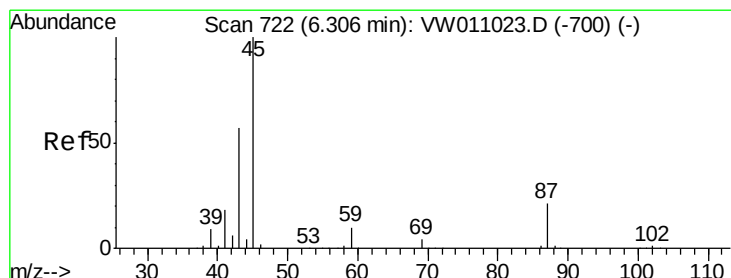
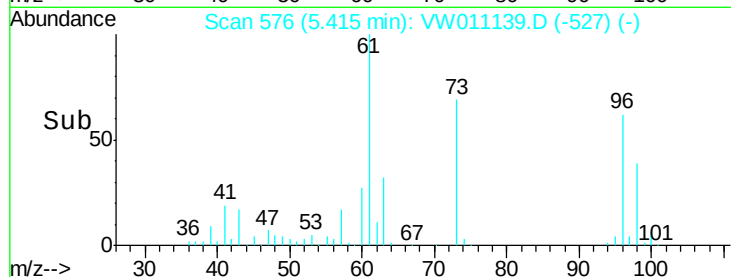
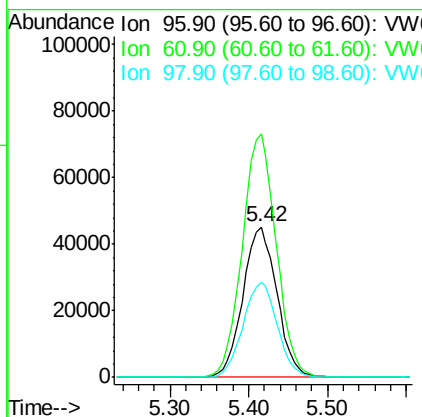
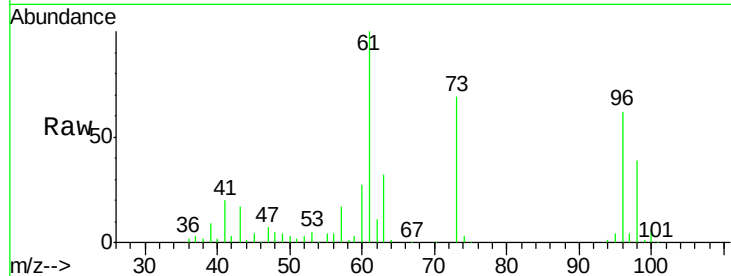
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	135358
Ion	Ratio	Lower	Upper
96	100		
61	161.5	131.0	196.4
98	62.7	50.8	76.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.245 ug/l

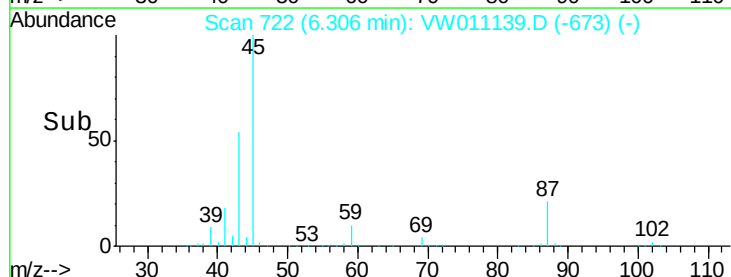
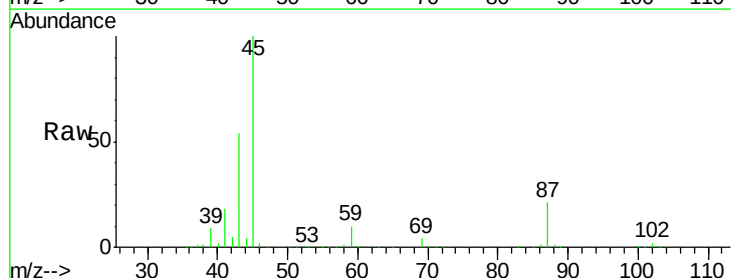
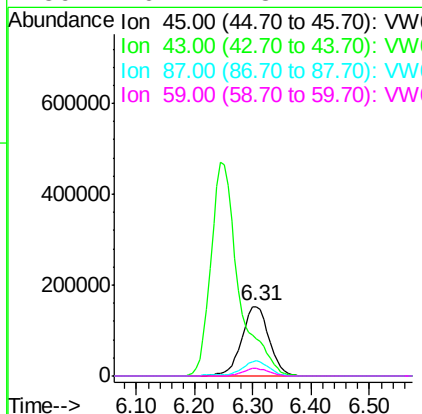
RT: 6.31 min Scan# 722

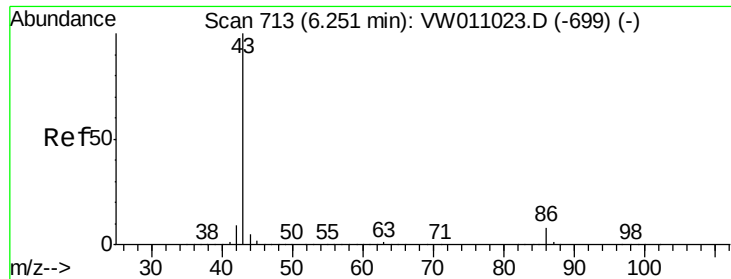
Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Tgt Ion:	45	Resp:	500802
Ion	Ratio	Lower	Upper
45	100		
43	53.5	45.8	68.6
87	21.3	17.1	25.7
59	10.4	8.2	12.4





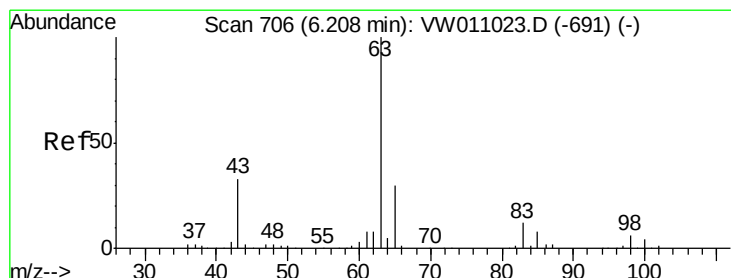
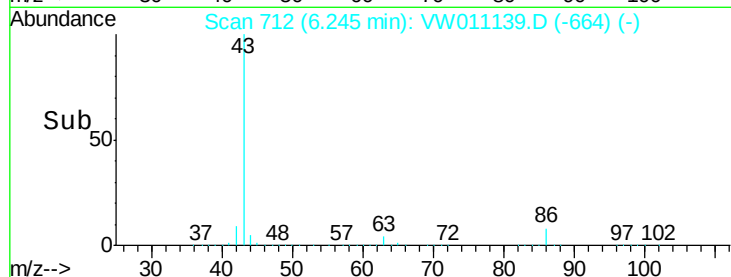
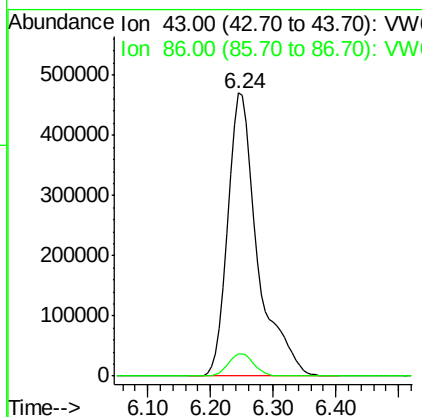
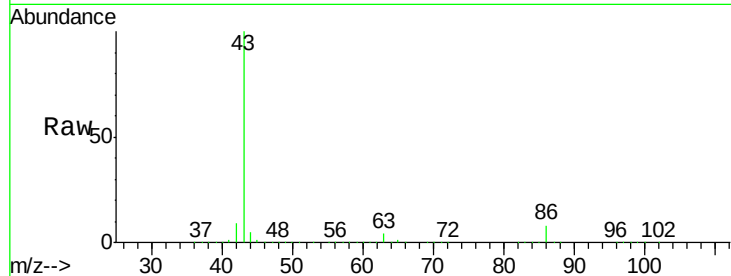
#23
 Vinyl Acetate
 Concen: 256.883 ug/l
 RT: 6.24 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 1546825
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.6 10.0

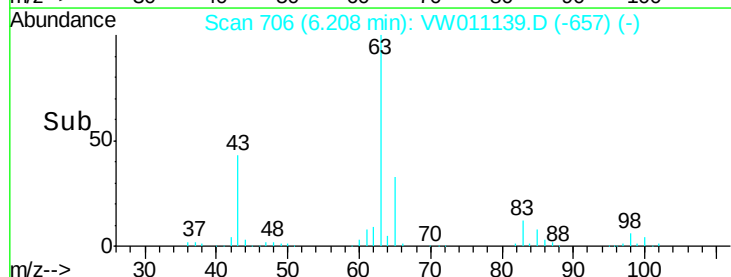
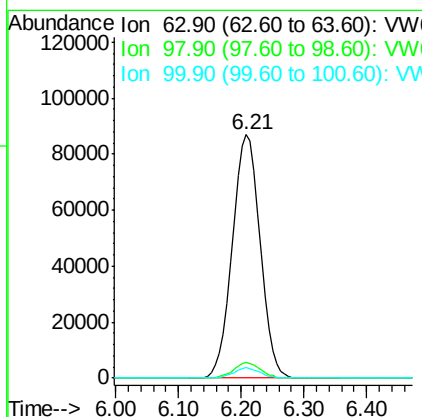
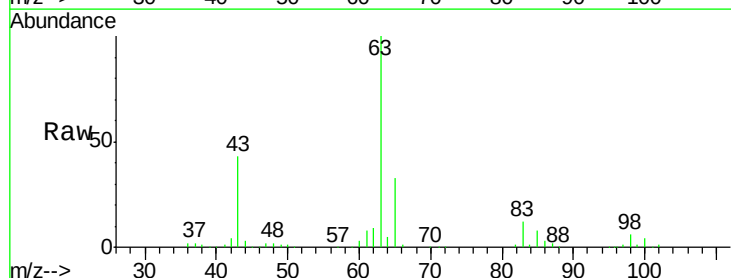
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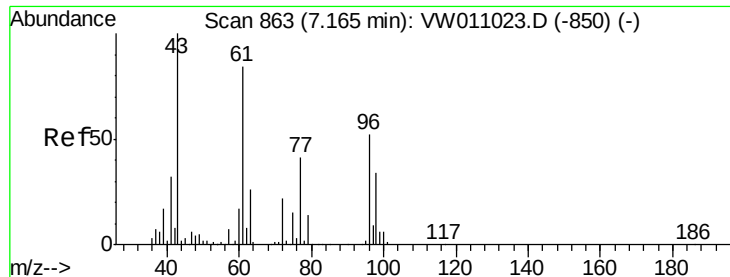
MMDadoda
 7/8/2019 9:41:34 AM



#24
 1,1-Dichloroethane
 Concen: 51.678 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Tgt Ion: 63 Resp: 266578
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.1 9.4
 100 4.2 2.1 6.2





#25

2-Butanone

Concen: 241.924 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 261562

Ion Ratio Lower Upper

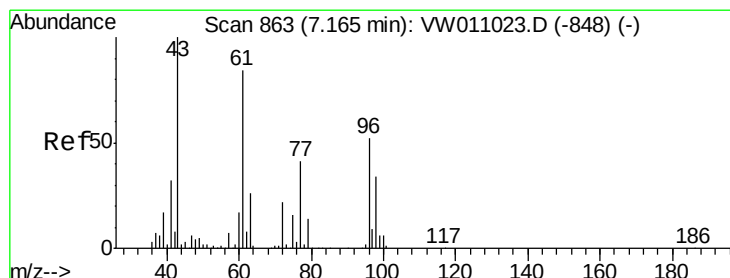
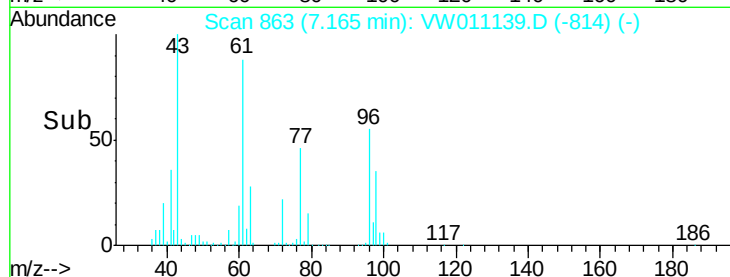
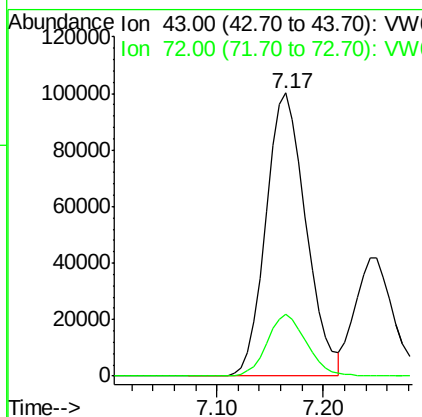
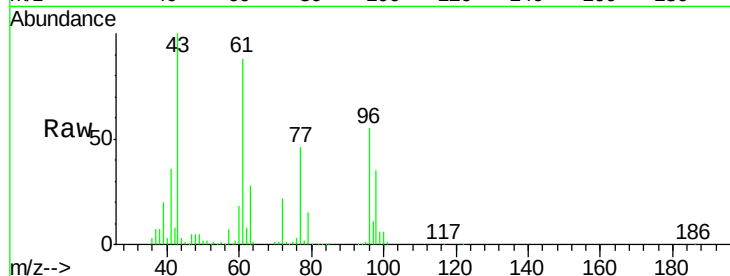
43 100

72 21.9 17.2 25.8

Manual Integrations
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MMDadoda

7/8/2019 9:41:34 AM



#26

2,2-Dichloropropane

Concen: 50.277 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011139.D

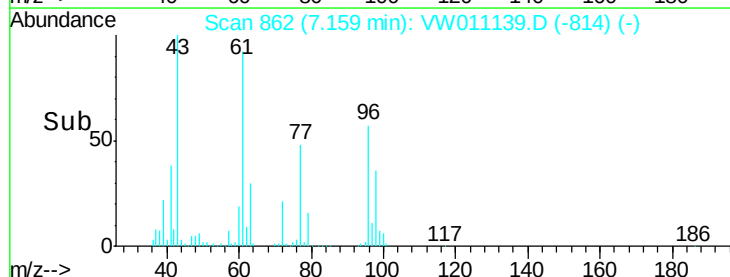
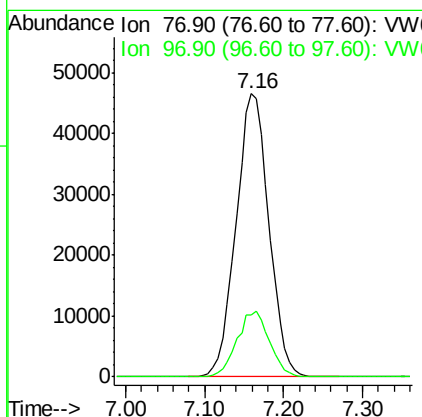
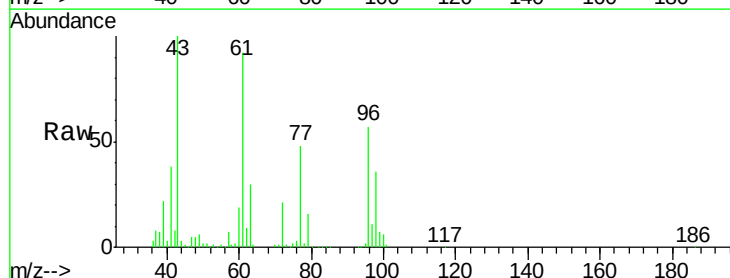
Acq: 03 Jul 2019 13:58

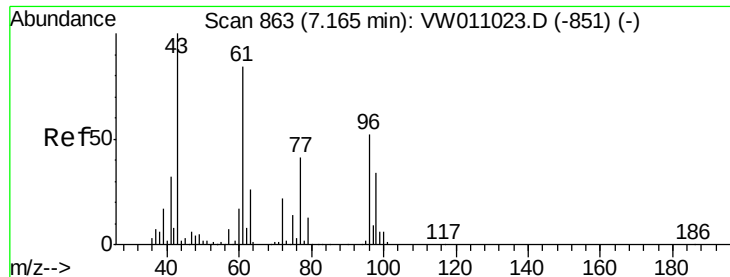
Tgt Ion: 77 Resp: 134657

Ion Ratio Lower Upper

77 100

97 22.8 10.9 32.7





#27

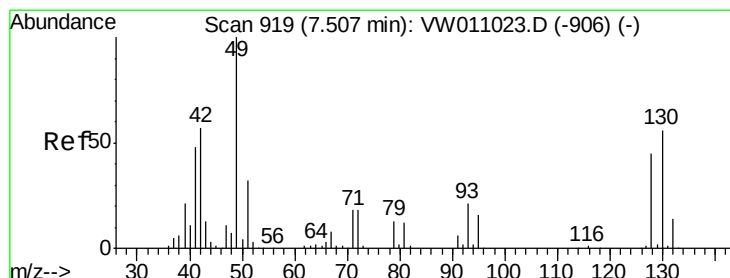
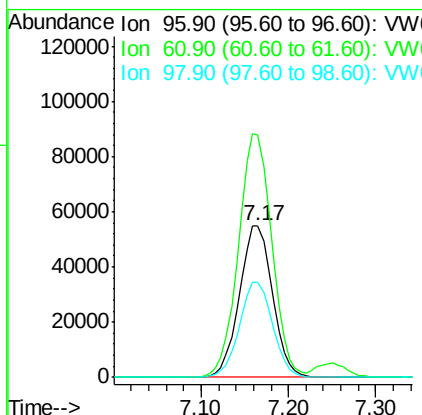
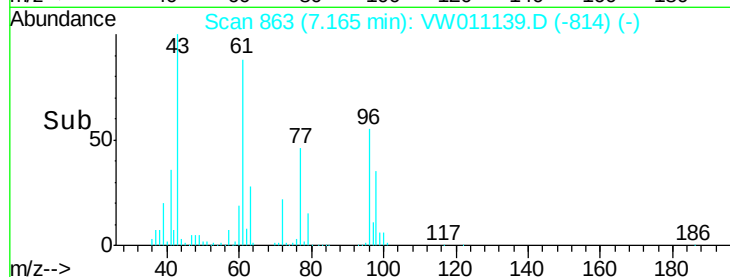
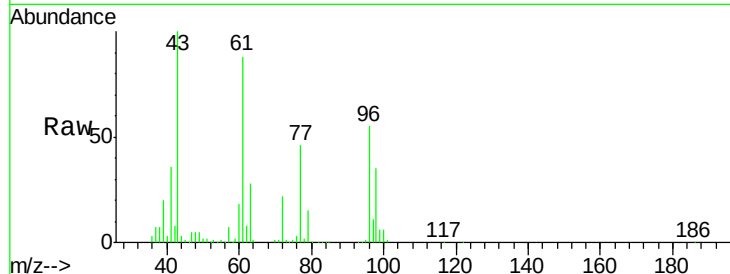
cis-1,2-Dichloroethene
Concen: 51.510 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.5	0.0	330.4
98	63.0	0.0	129.4

Manual Integrations
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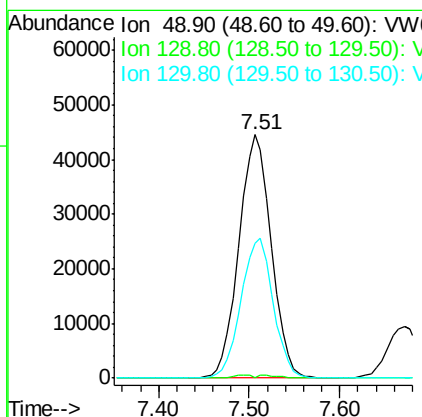
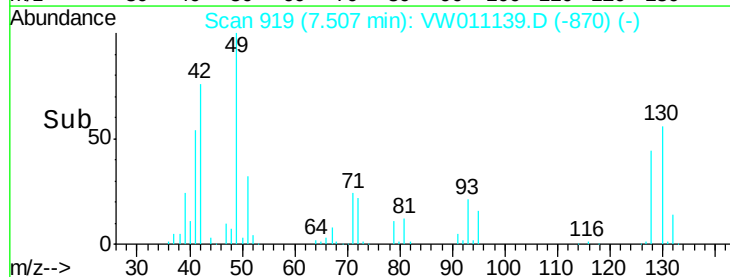
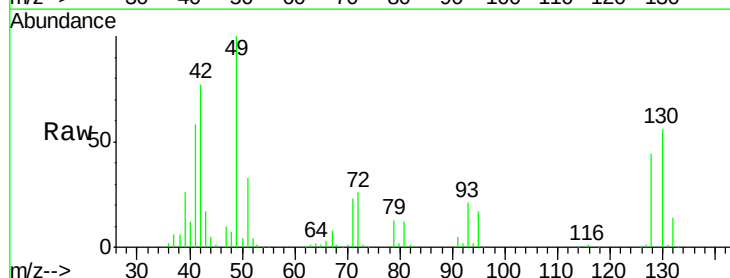
MMDadoda
7/8/2019 9:41:34 AM

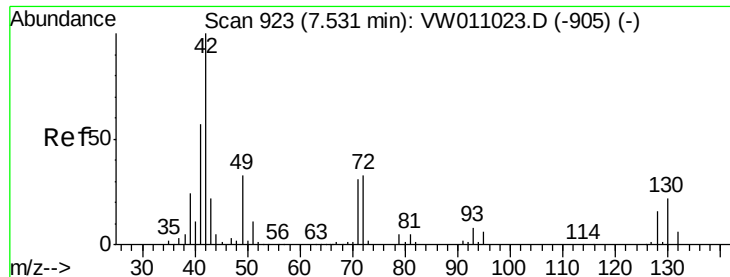


#28

Bromochloromethane
Concen: 45.862 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.4
130	57.0	46.1	69.1





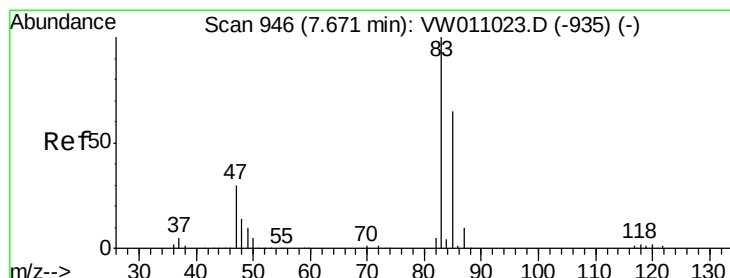
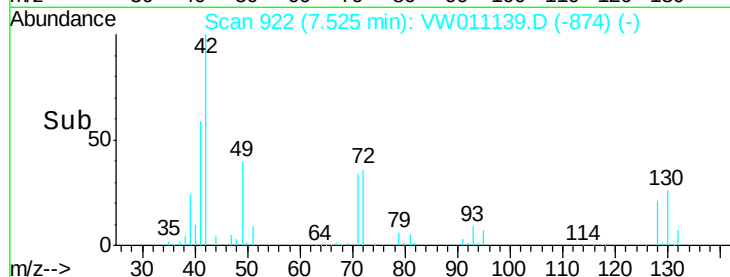
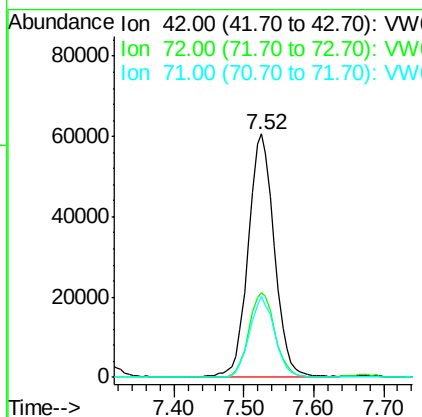
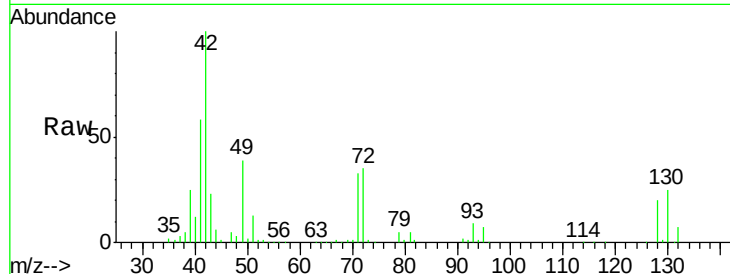
#29
Tetrahydrofuran
Concen: 233.215 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.9	27.4	41.0
71	32.0	25.6	38.4

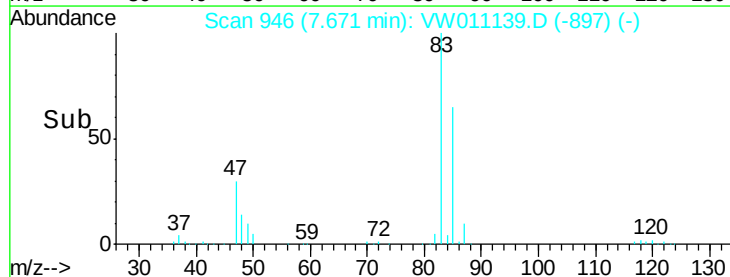
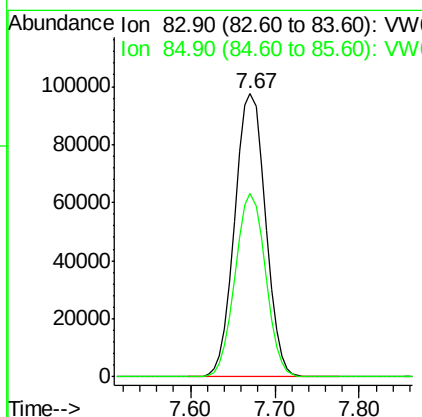
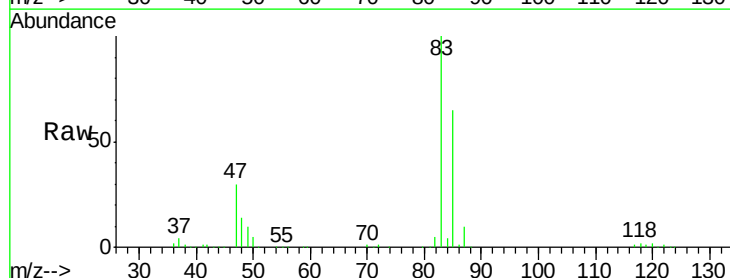
Manual Integrations
APPROVED

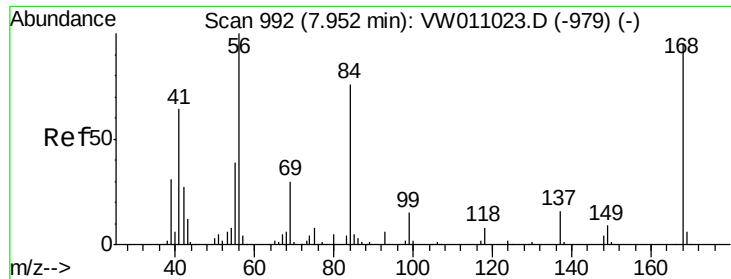
MMDadoda
7/8/2019 9:41:34 AM



#30
Chloroform
Concen: 51.449 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4





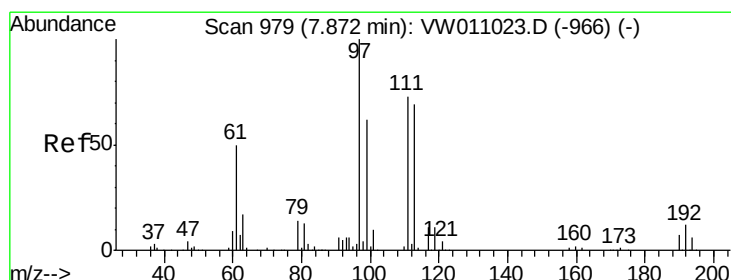
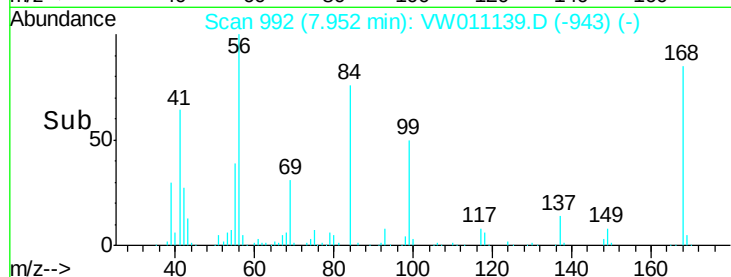
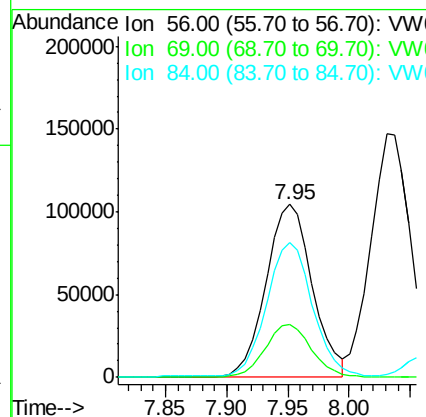
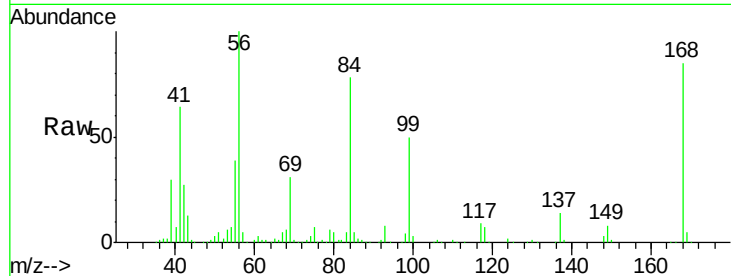
#31
Cyclohexane
Concen: 49.465 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.2	36.2
84	77.0	60.6	90.8

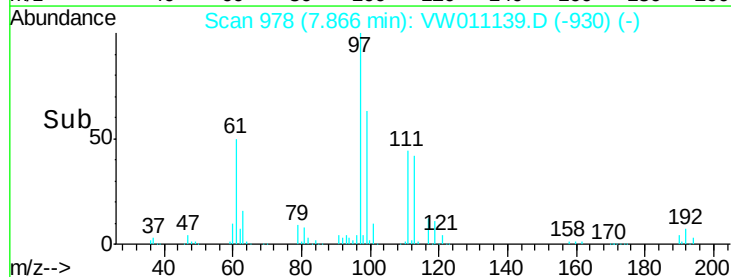
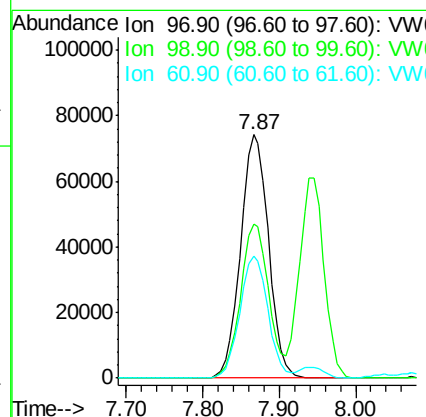
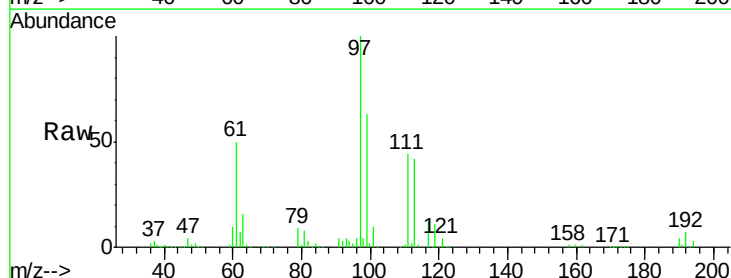
Manual Integrations
APPROVED

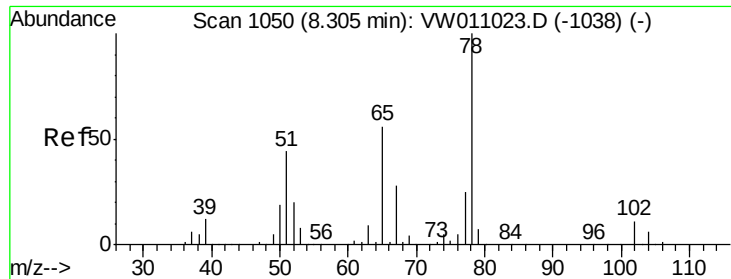
MMDadoda
7/8/2019 9:41:34 AM



#32
1,1,1-Trichloroethane
Concen: 53.594 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	50.6	41.4	62.2





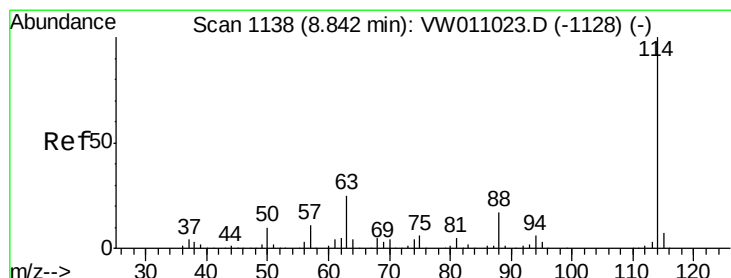
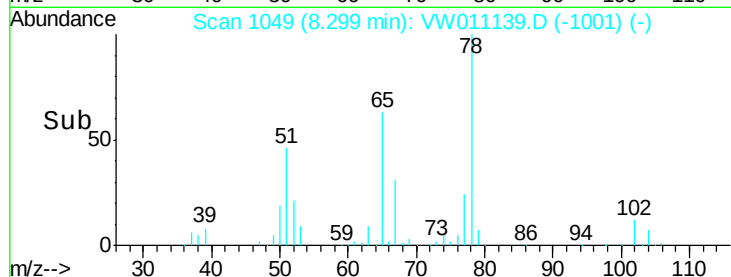
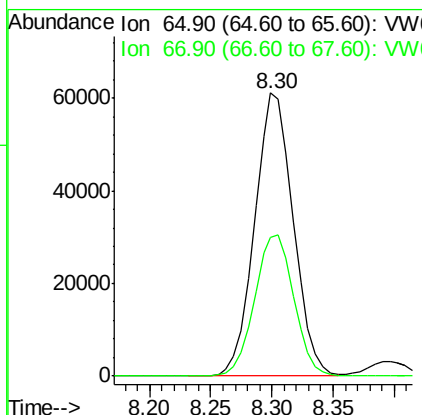
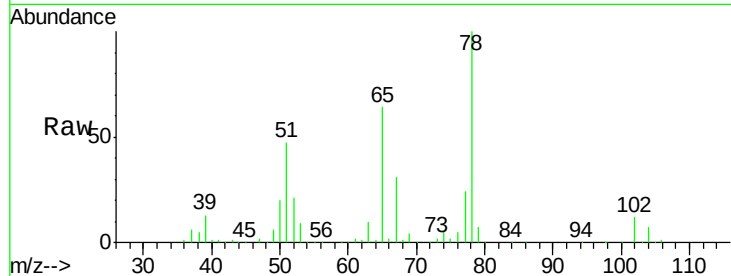
#33
 1,2-Dichloroethane-d4
 Concen: 45.977 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133975		
67	50.8	0.0	102.4	

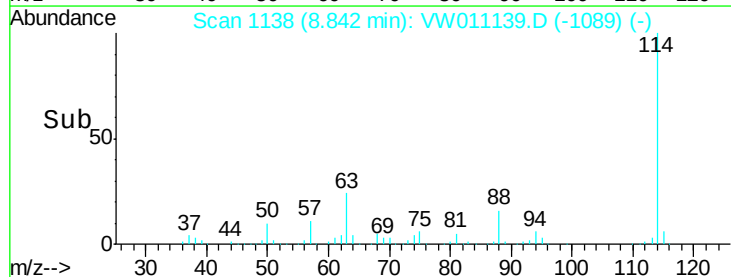
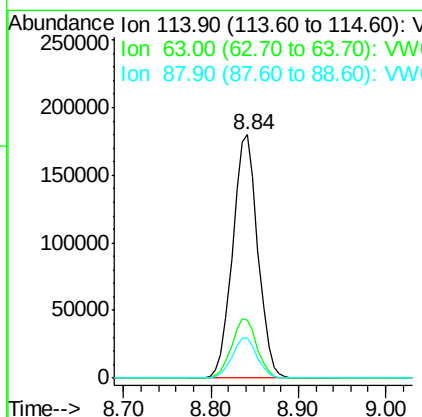
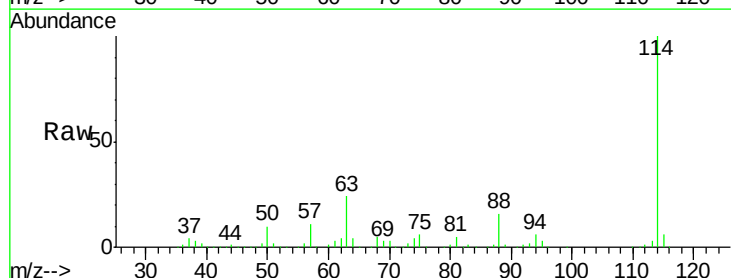
Manual Integrations
 APPROVED

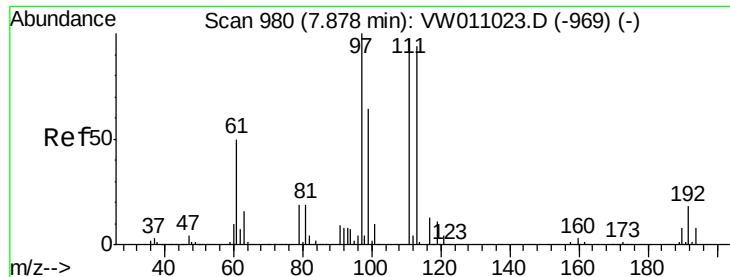
MMDadoda
 7/8/2019 9:41:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	358644		
63	23.8	0.0	50.6	
88	16.4	0.0	34.0	





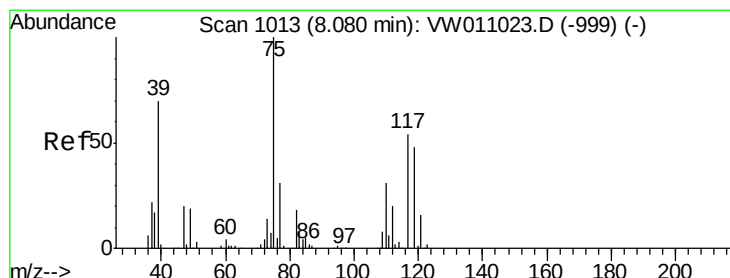
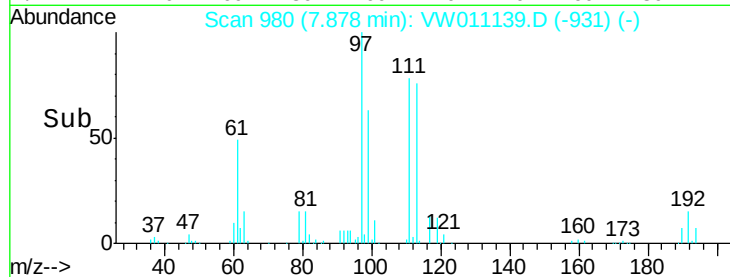
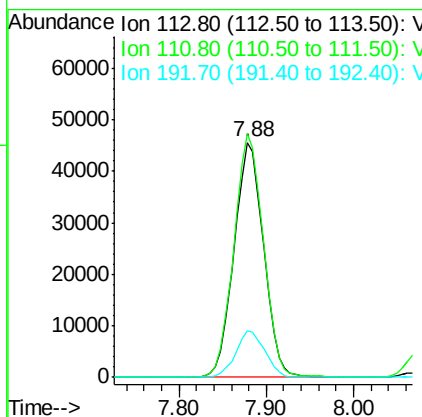
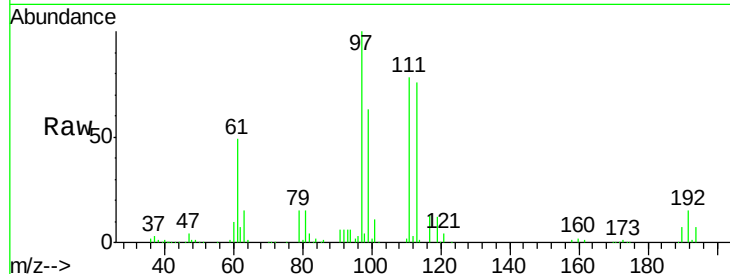
#35
 Dibromofluoromethane
 Concen: 48.896 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107083		
111	103.7	83.8	125.6	
192	19.5	16.0	24.0	

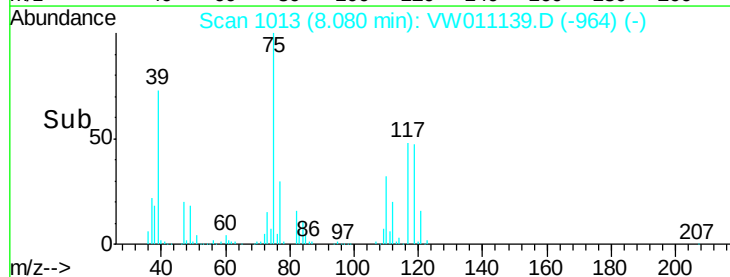
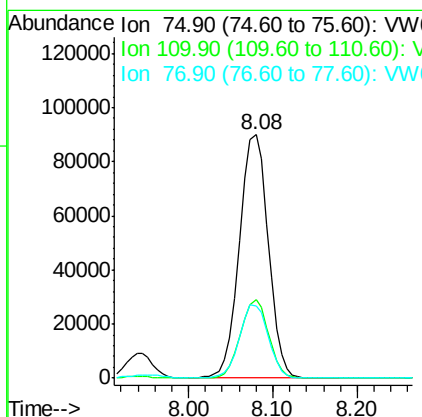
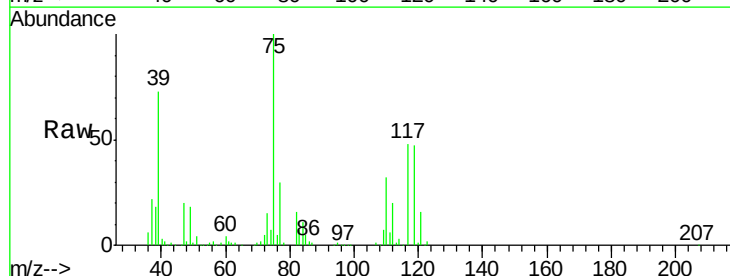
Manual Integrations
 APPROVED

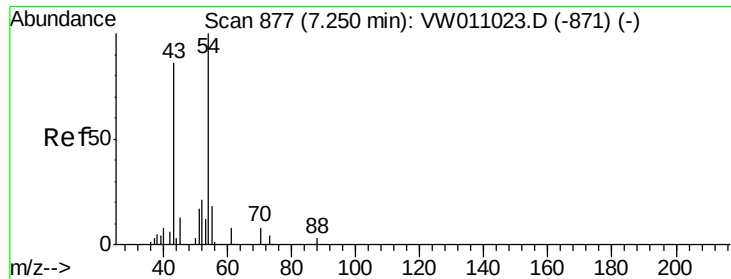
MMDadoda
 7/8/2019 9:41:34 AM



#36
 1,1-Dichloropropene
 Concen: 53.860 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	207619		
110	31.3	15.5	46.5	
77	30.4	24.9	37.3	





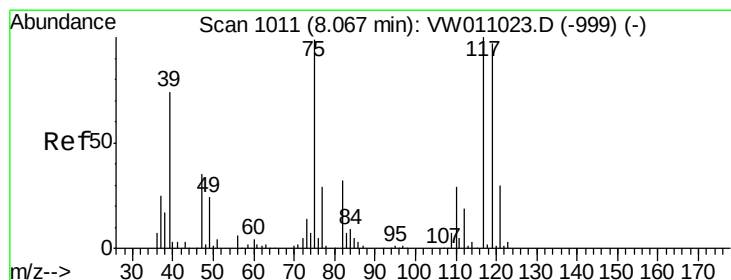
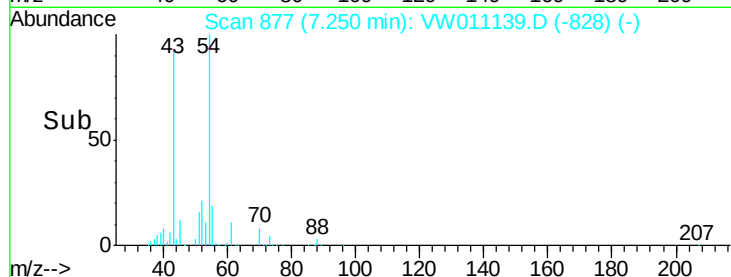
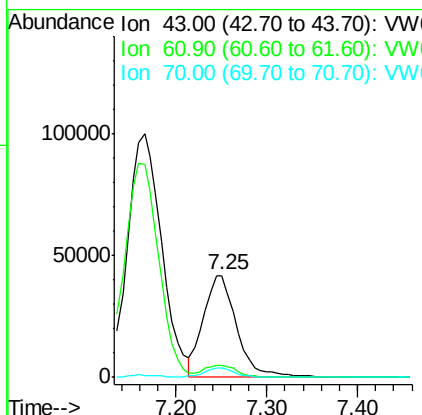
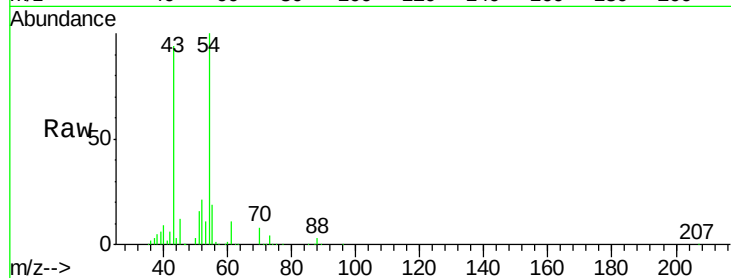
#37
Ethyl Acetate
Concen: 47.447 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	11.8	9.0	13.4	
70	8.5	7.2	10.8	

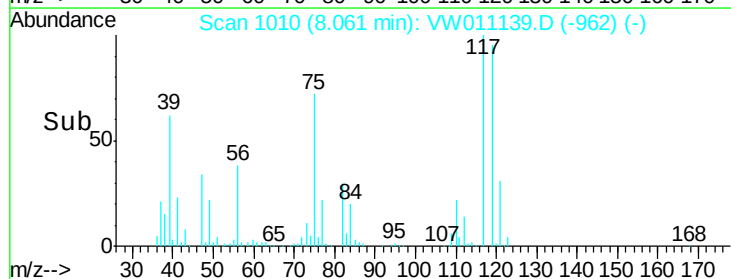
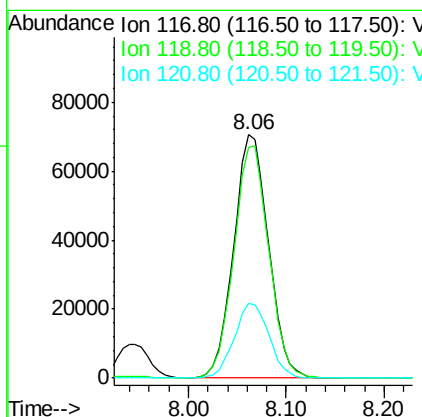
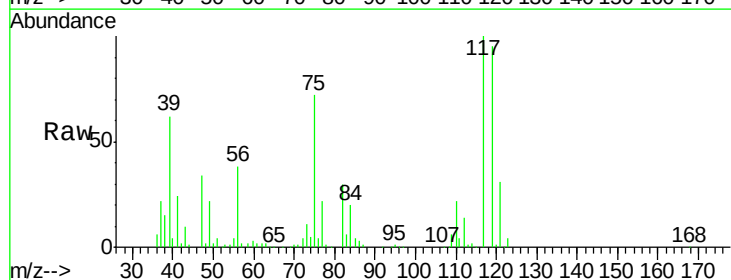
Manual Integrations
APPROVED

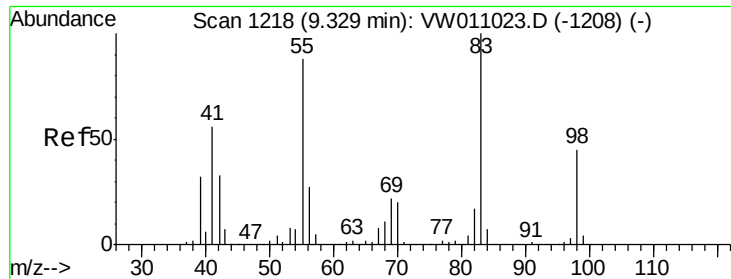
MMDadoda
7/8/2019 9:41:34 AM



#38
Carbon Tetrachloride
Concen: 55.008 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.0	77.7	116.5	
121	30.6	23.9	35.9	





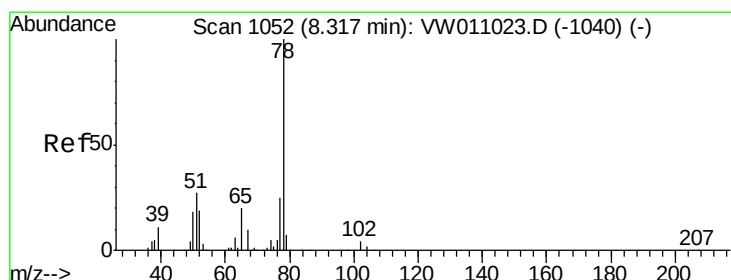
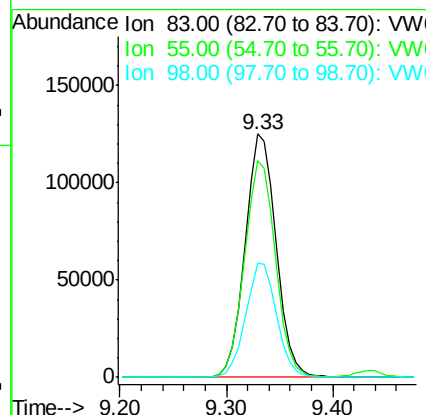
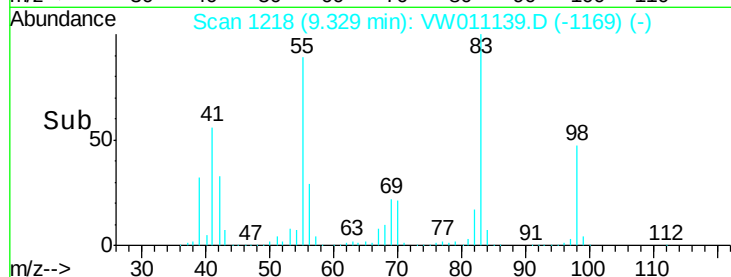
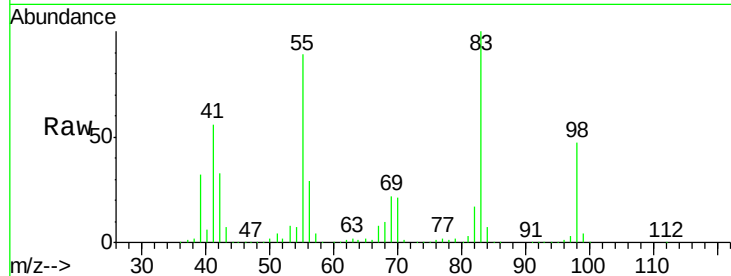
#39
Methylvlcyclohexane
Concen: 54.038 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	256355
Ion Ratio	100	Lower	Upper
83	100	70.7	106.1
55	89.0	36.4	54.6
98	46.9		

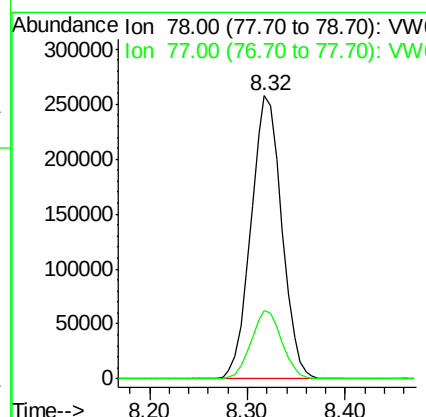
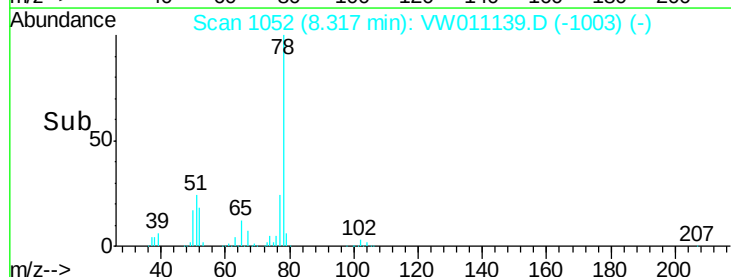
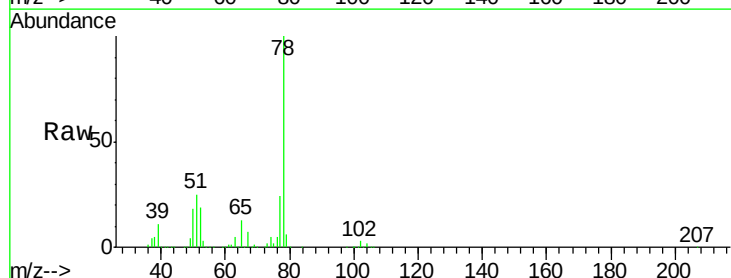
Manual Integrations
APPROVED

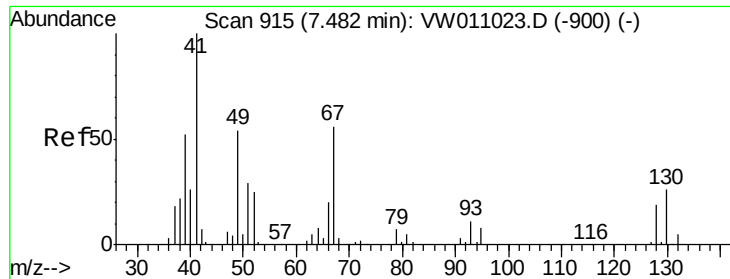
MMDadoda
7/8/2019 9:41:34 AM



#40
Benzene
Concen: 53.120 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion	78	Resp	563199
Ion Ratio	100	Lower	Upper
78	100	19.7	29.5
77	24.3		





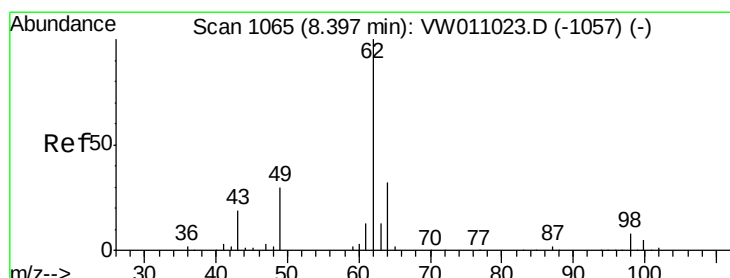
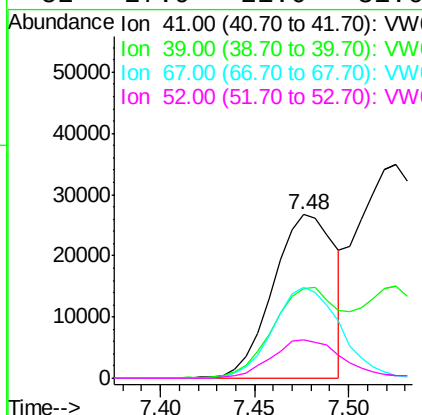
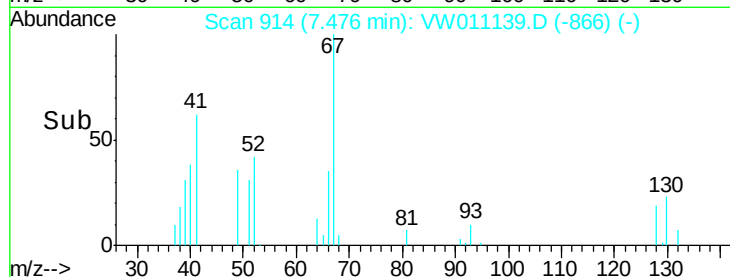
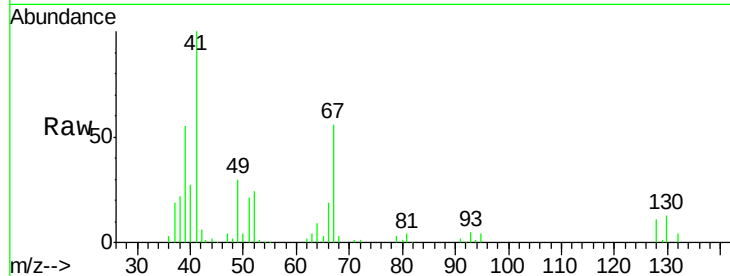
#41
Methacrylonitrile
Concen: 44.682 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.7	42.1	63.1	
67	60.9	44.2	66.2	
52	27.9	21.0	31.6	

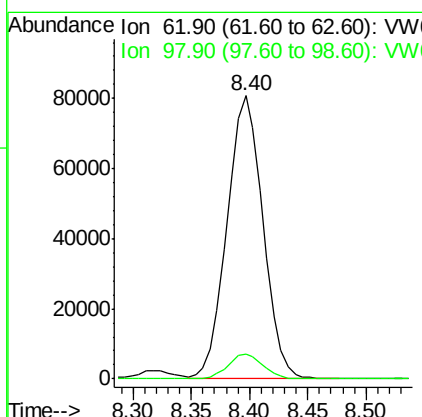
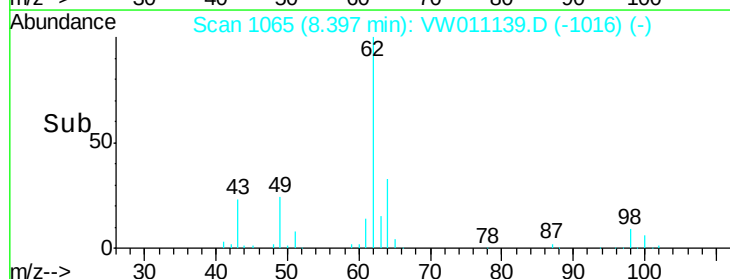
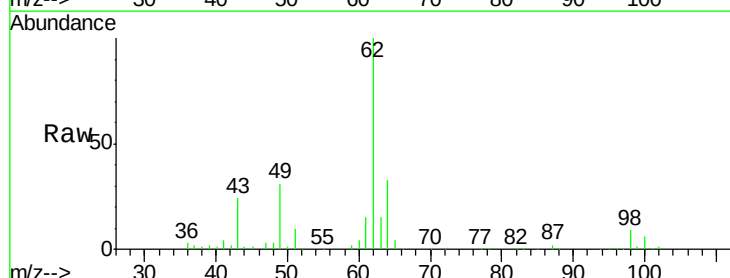
Manual Integrations
APPROVED

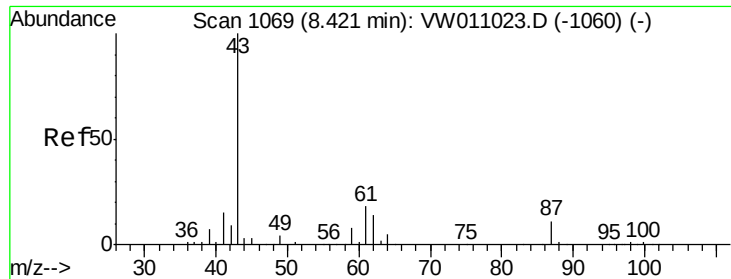
MMDadoda
7/8/2019 9:41:34 AM



#42
1,2-Dichloroethane
Concen: 49.781 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	16.8	





#43

Isopropyl Acetate

Concen: 48.217 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Instrument :

MSVOA_W

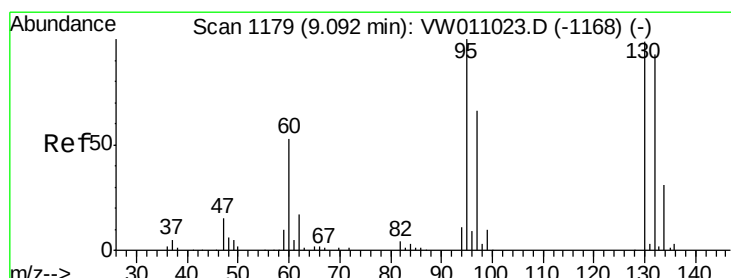
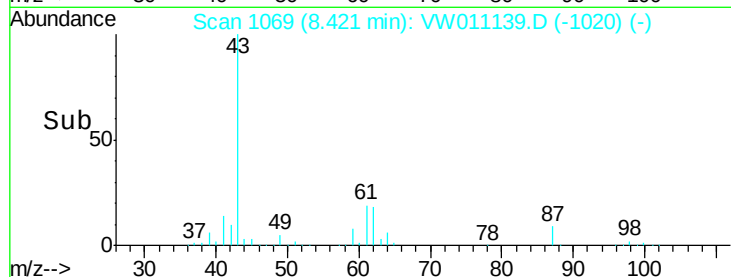
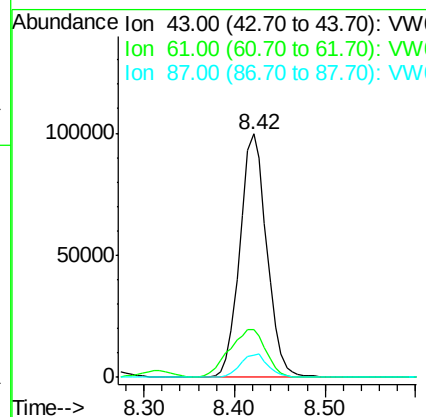
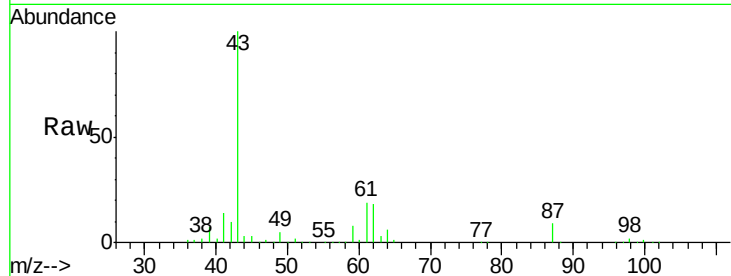
ClientSampled :

VSTDCCC050

Tot Ion:	43	Resp:	204548
Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.0	31.6
87	9.7	8.2	12.4

Manual Integrations
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#44

Trichloroethene

Concen: 52.928 ug/l

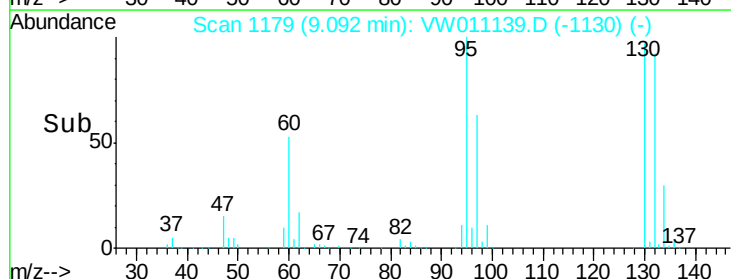
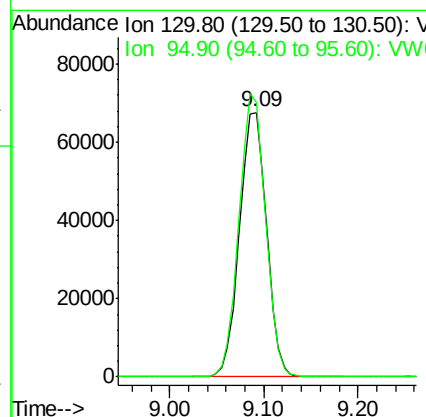
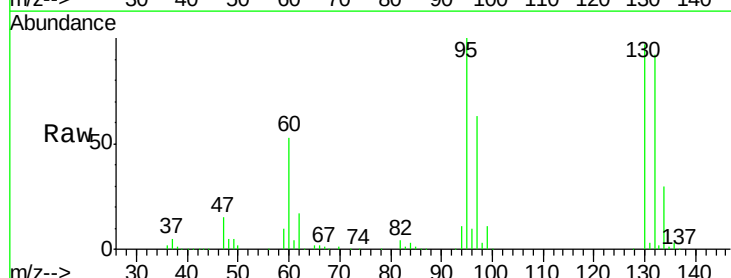
RT: 9.09 min Scan# 1179

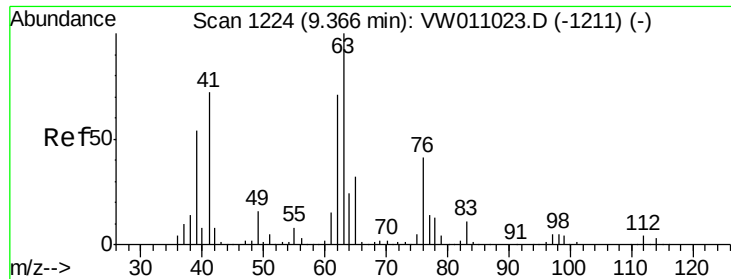
Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Tgt Ion:	130	Resp:	135620
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	202.0





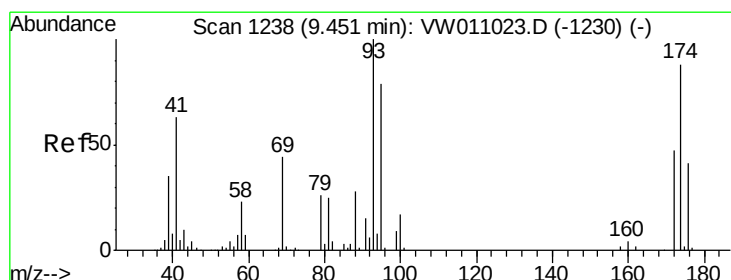
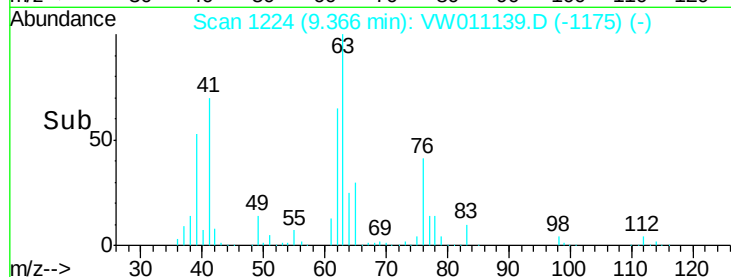
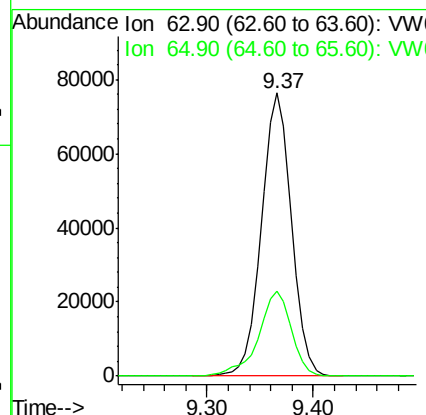
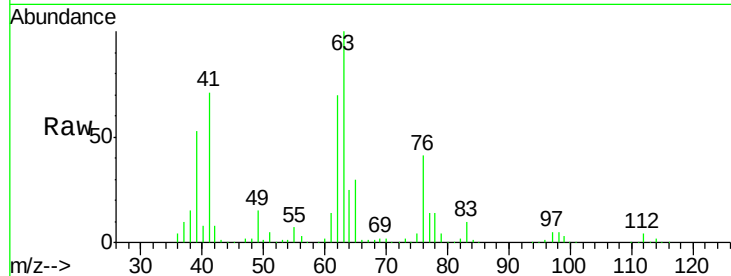
#45
 1,2-Dichloropropane
 Concen: 52.438 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	25.6	38.4

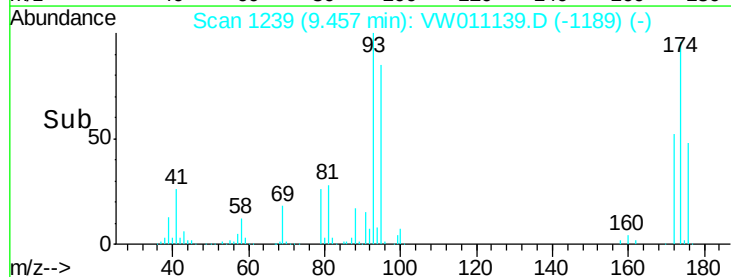
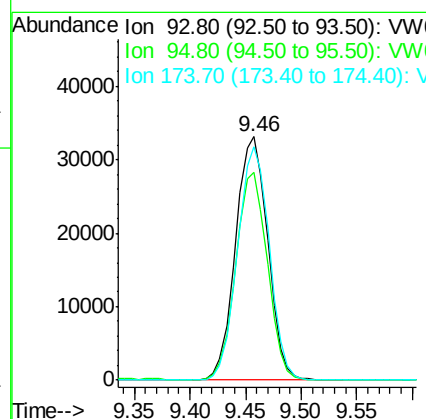
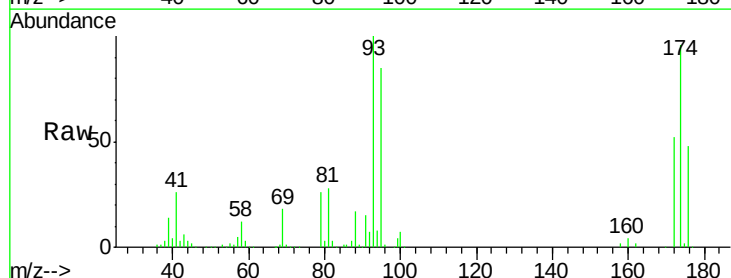
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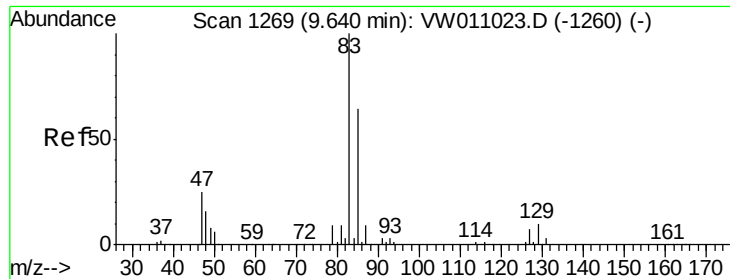
MMDadoda
 7/8/2019 9:41:34 AM



#46
 Dibromomethane
 Concen: 49.409 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.8	98.6
174	94.2	75.4	113.0





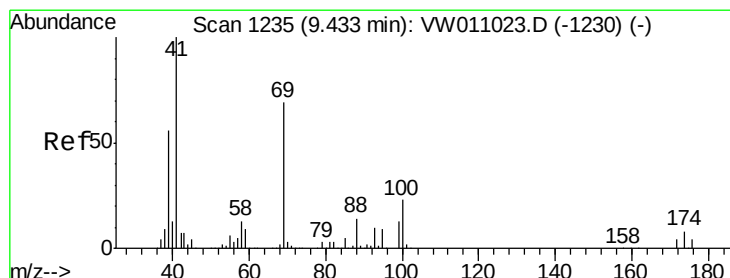
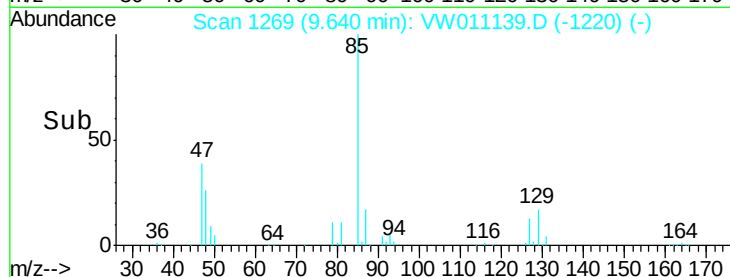
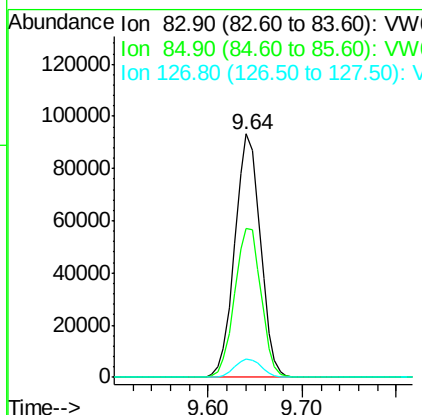
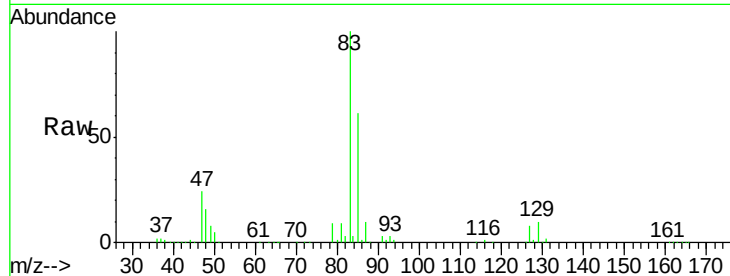
#47
Bromodichloromethane
Concen: 52.909 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	176390
Ion Ratio	100	Lower	Upper
83	100		
85	61.4	51.0	76.4
127	7.8	5.8	8.8

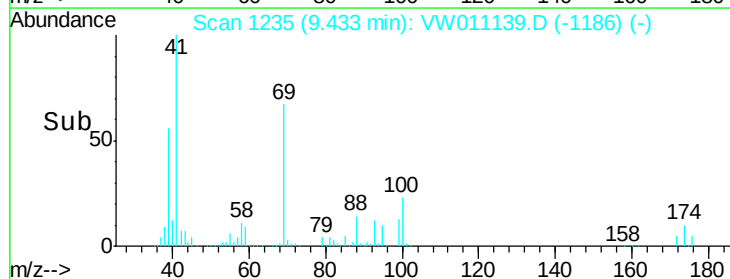
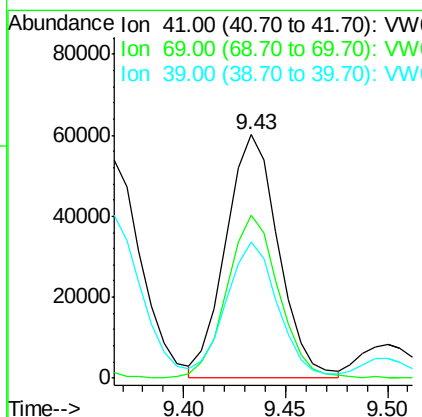
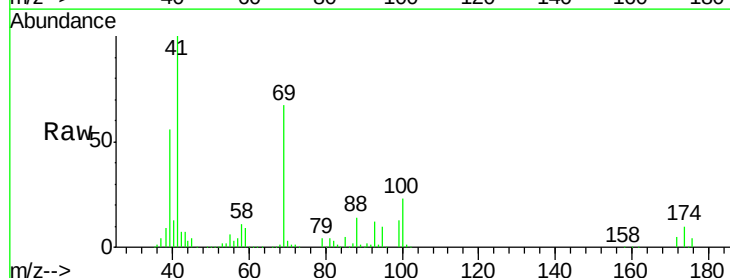
Manual Integrations
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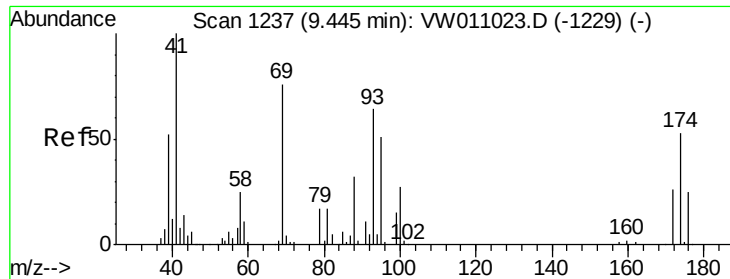
MMDadoda
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#48
Methyl methacrylate
Concen: 52.361 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion	41	Resp	107702
Ion Ratio	100	Lower	Upper
41	100		
69	65.8	56.7	85.1
39	51.4	45.0	67.6





#49

1,4-Dioxane

Concen: 947.205 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Instrument :

MSVOA_W

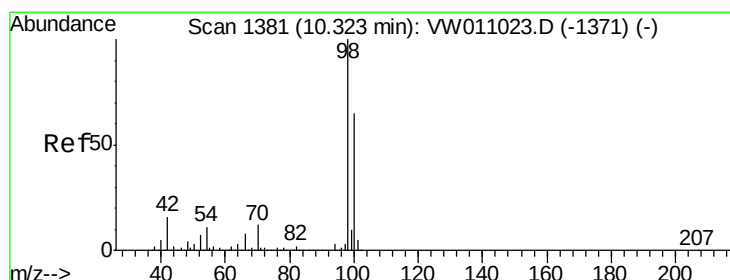
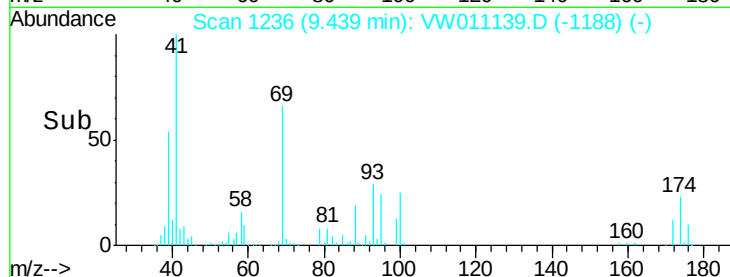
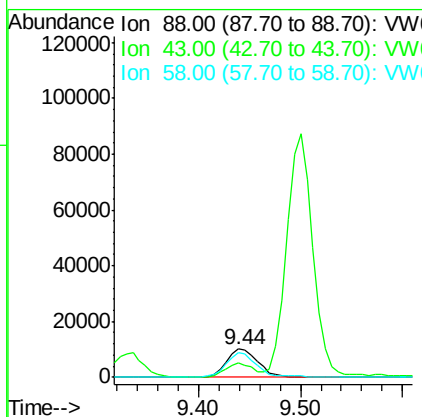
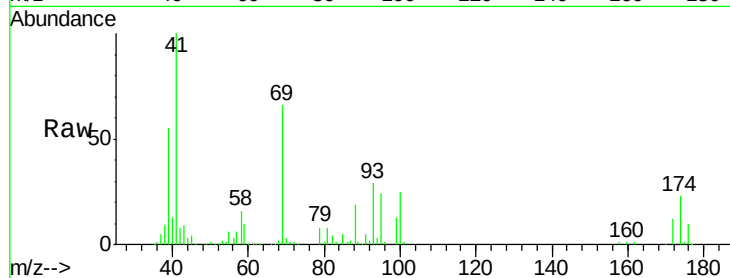
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	21445
Ion	Ratio	Lower	Upper
88	100		
43	44.9	34.4	51.6
58	82.1	65.2	97.8

Manual Integrations
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#50

Toluene-d8

Concen: 49.899 ug/l

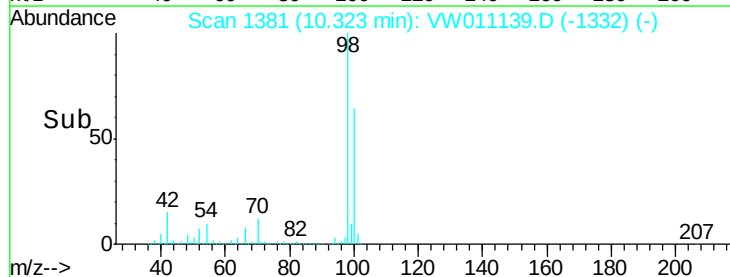
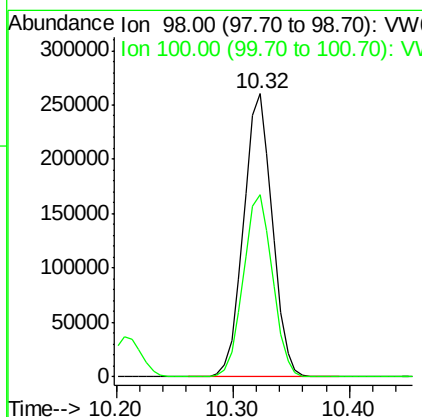
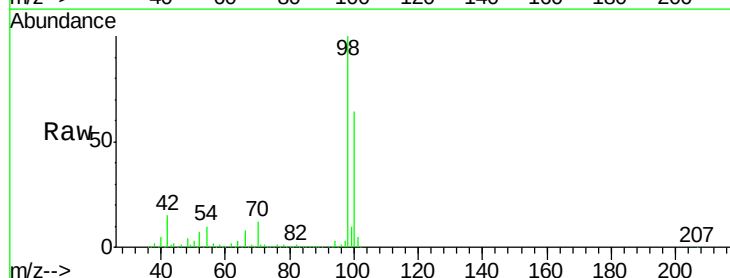
RT: 10.32 min Scan# 1381

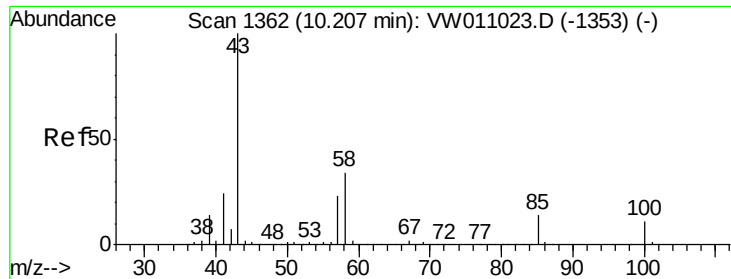
Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Tgt Ion:	98	Resp:	449822
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5





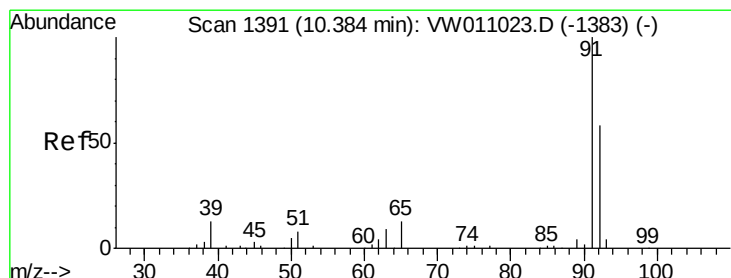
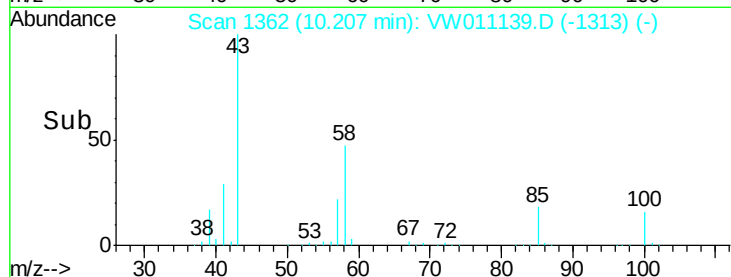
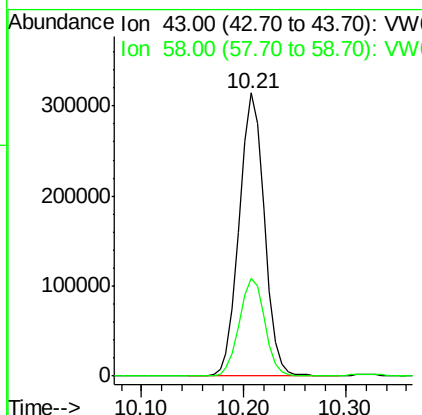
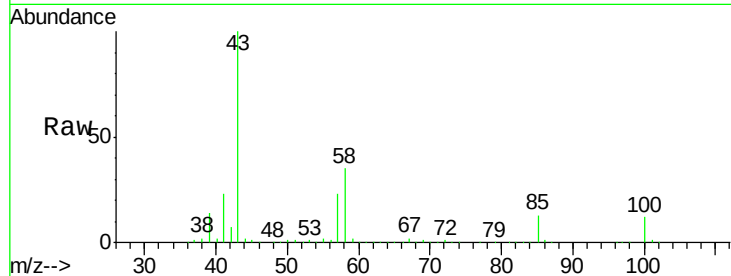
#51
4-Methyl-2-Pentanone
Concen: 239.932 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 535783
Ion Ratio Lower Upper
43 100
58 35.0 27.8 41.6

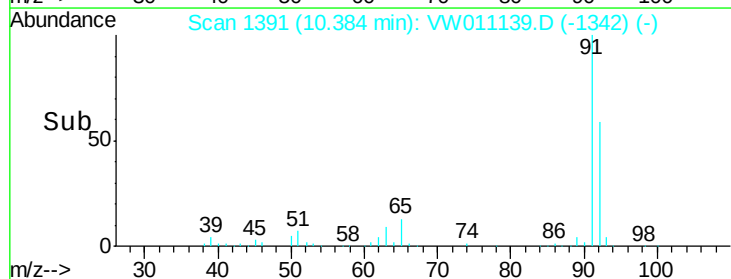
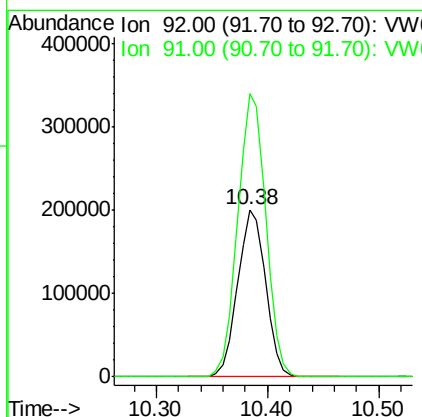
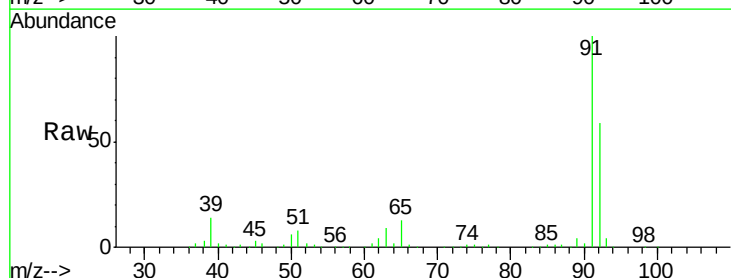
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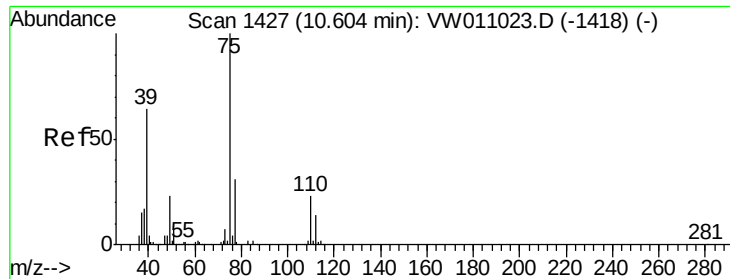
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#52
Toluene
Concen: 53.470 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion: 92 Resp: 347077
Ion Ratio Lower Upper
92 100
91 170.9 136.9 205.3





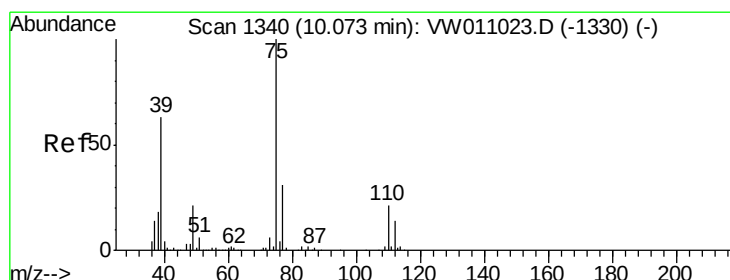
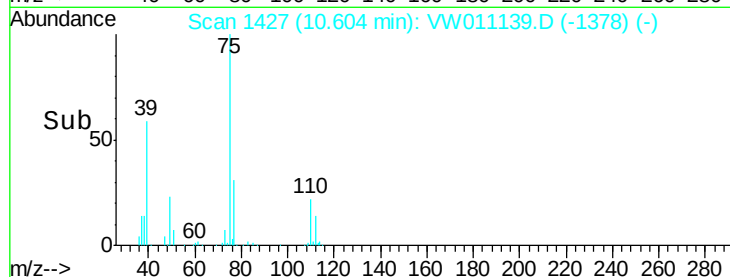
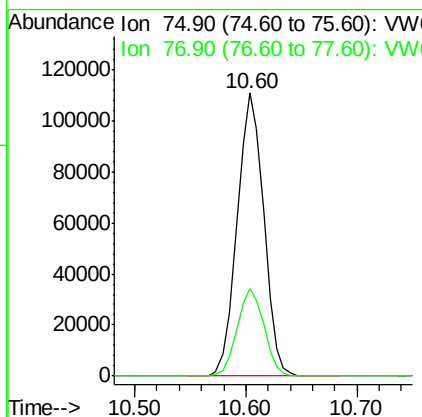
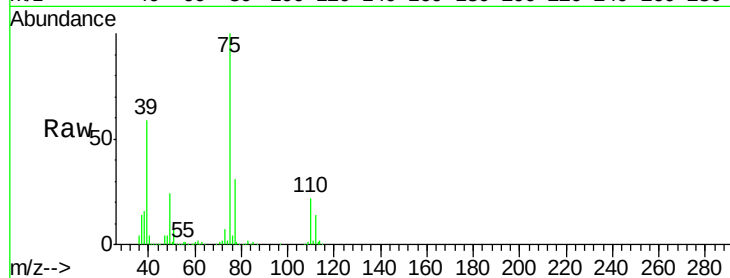
#53
 t-1,3-Dichloropropene
 Concen: 52.723 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 183081
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 37.0

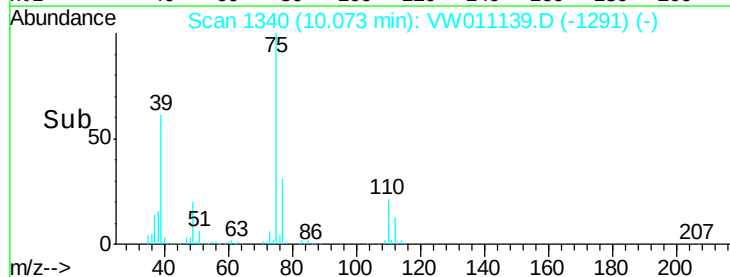
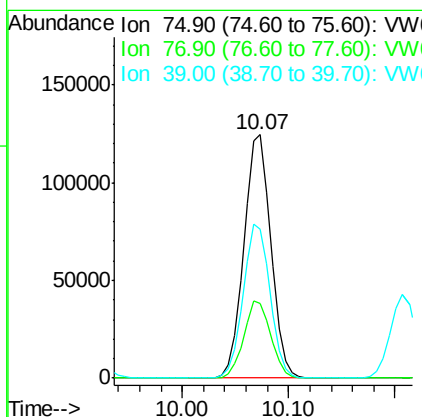
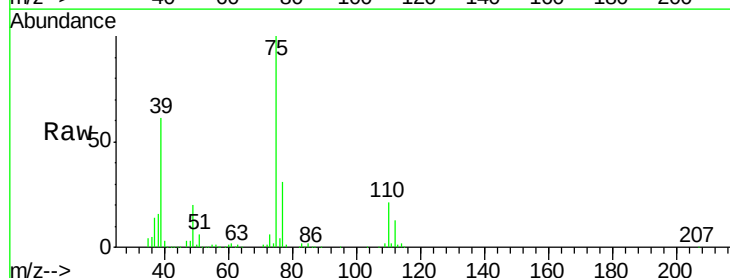
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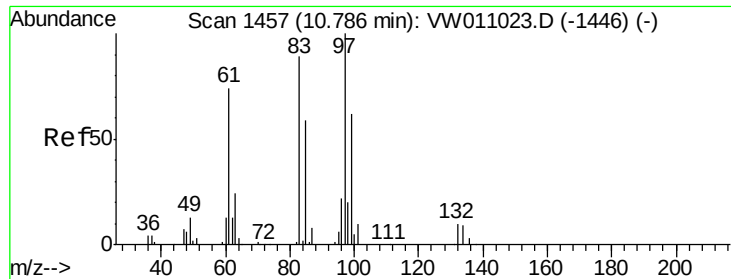
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#54
 cis-1,3-Dichloropropene
 Concen: 53.633 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Tgt Ion: 75 Resp: 222164
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.8 37.2
 39 60.9 50.0 75.0





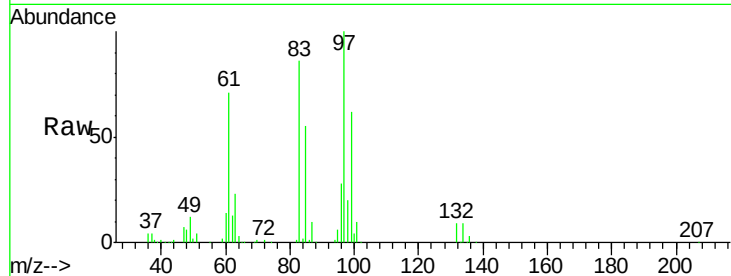
#55
 1,1,2-Trichloroethane
 Concen: 49.609 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.9	106.3
85	55.4	47.2	70.8
99	62.4	50.0	75.0

Manual Integrations
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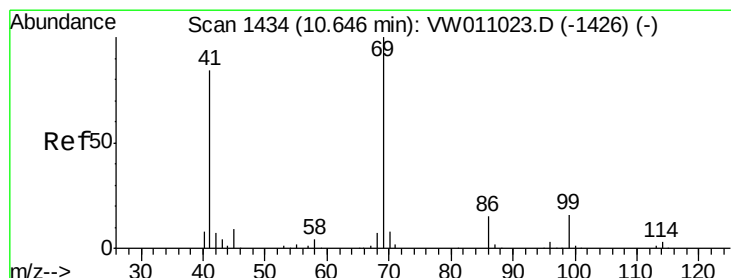
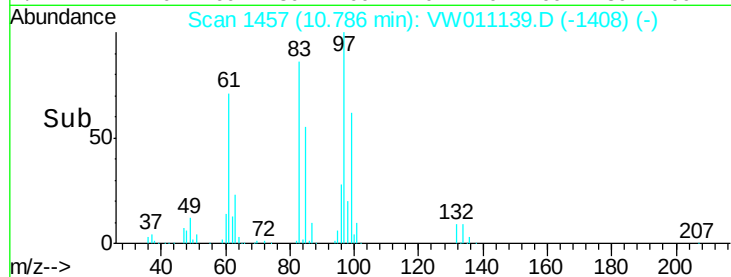
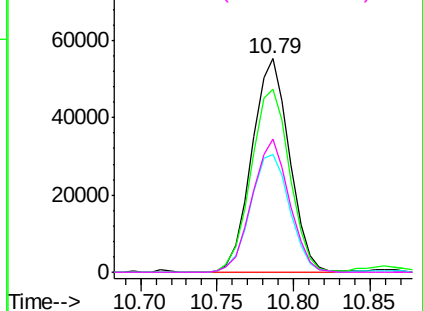
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

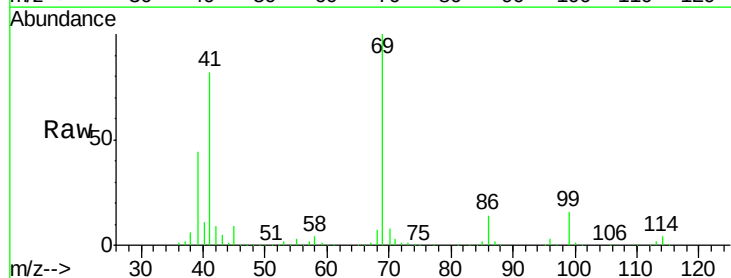
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 50.451 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	81.7	67.9	101.9
39	39.1	33.2	49.8

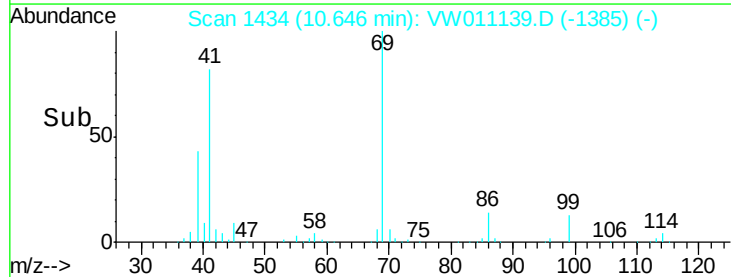
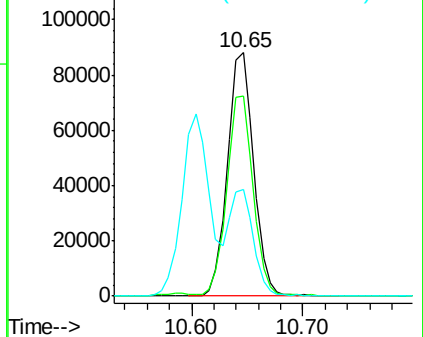


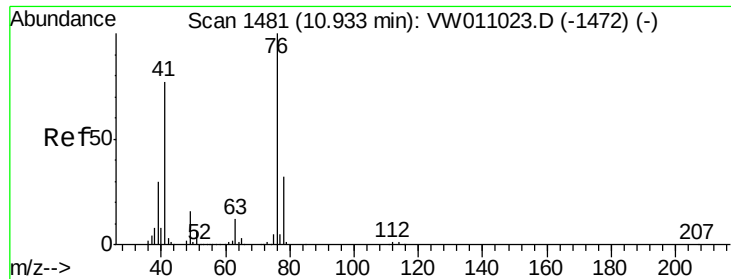
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





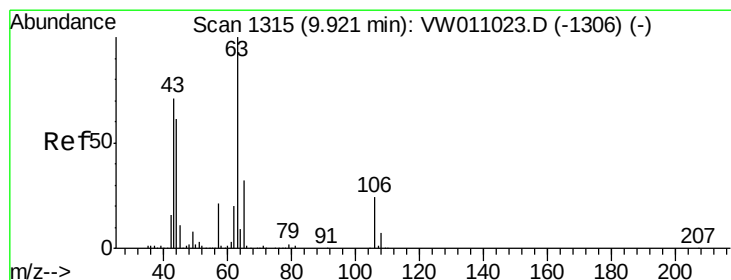
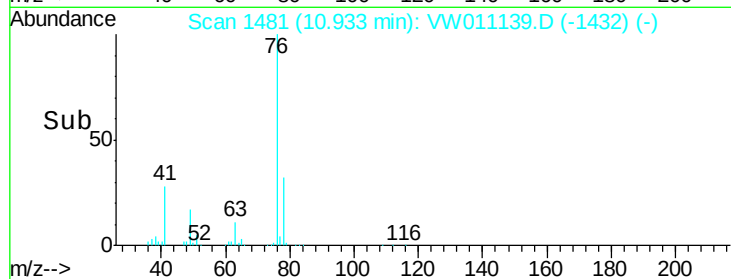
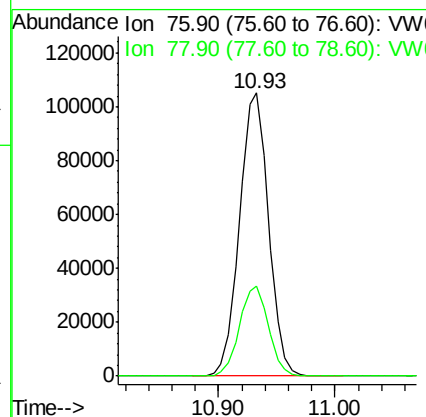
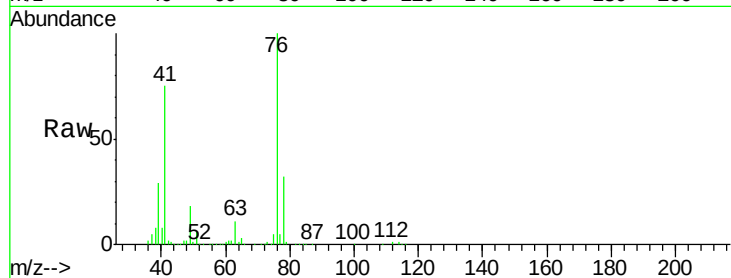
#57
 1,3-Dichloropropane
 Concen: 50.440 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.6

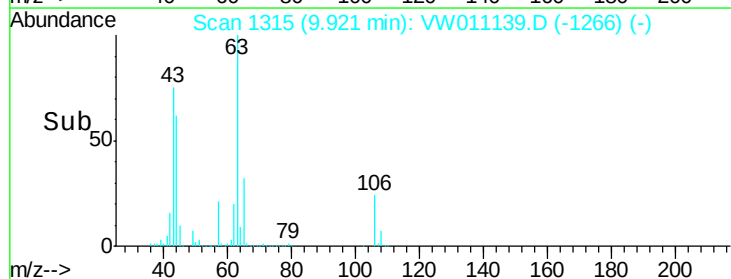
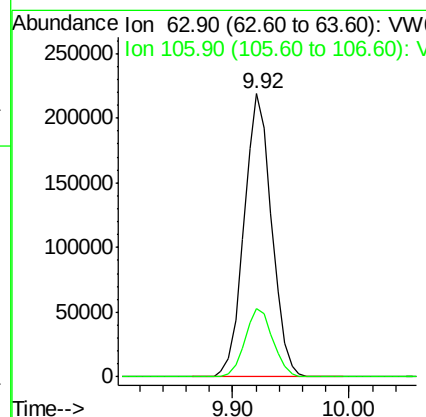
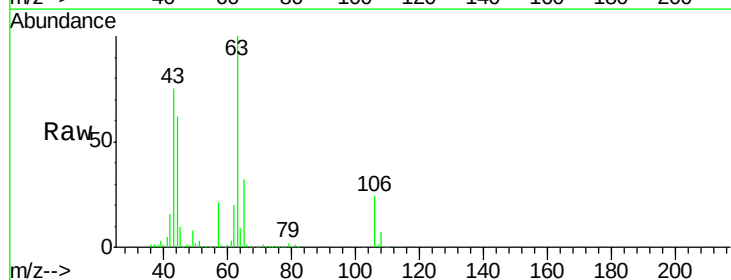
Manual Integrations
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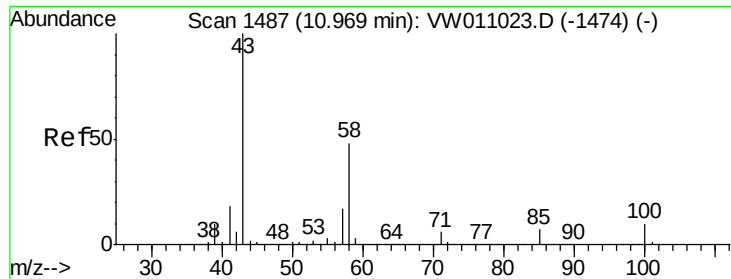
MMDadoda
 7/8/2019 9:41:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.787 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.5	19.4	29.0





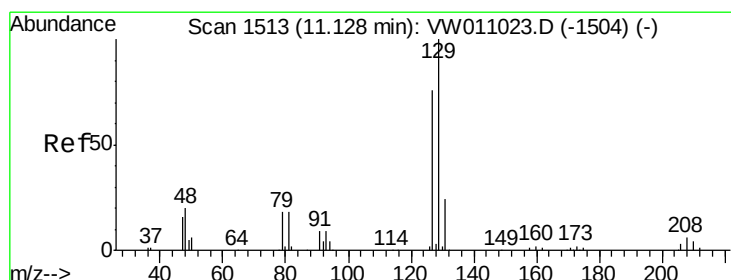
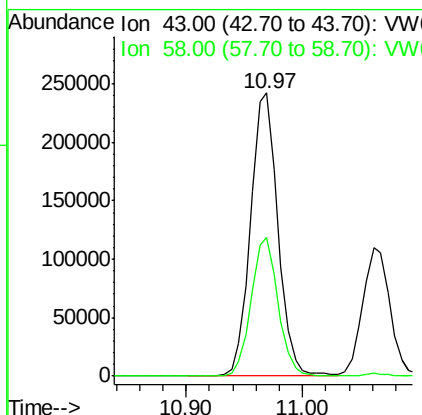
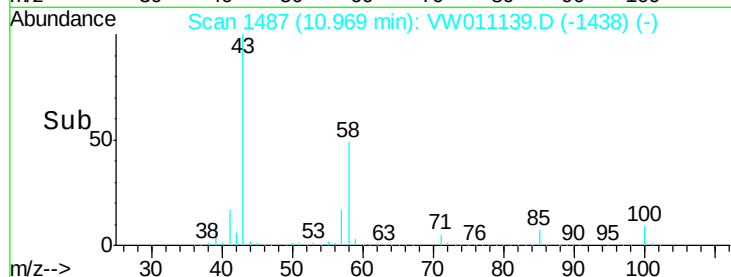
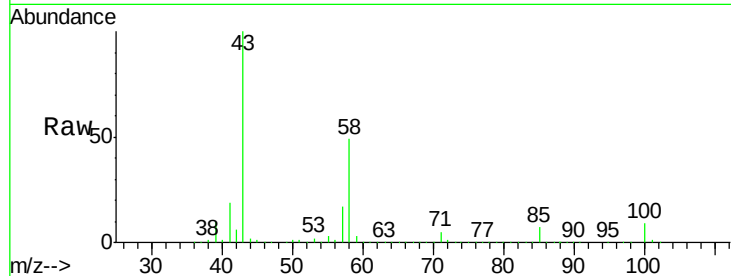
#59
2-Hexanone
Concen: 254.853 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 396875
Ion Ratio Lower Upper
43 100
58 48.2 23.8 71.5

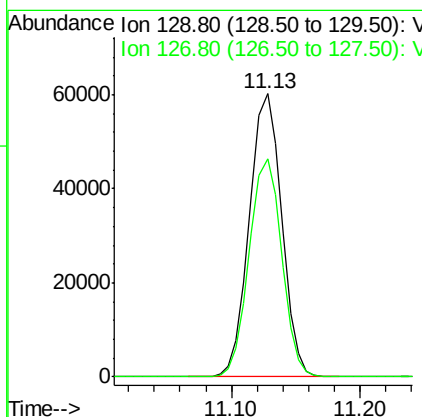
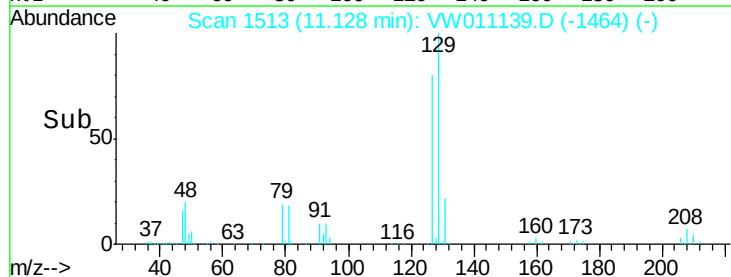
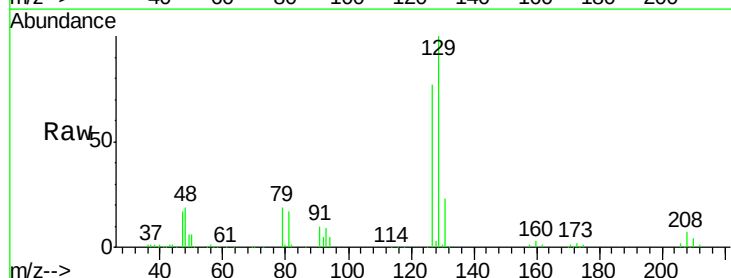
Manual Integrations
APPROVED

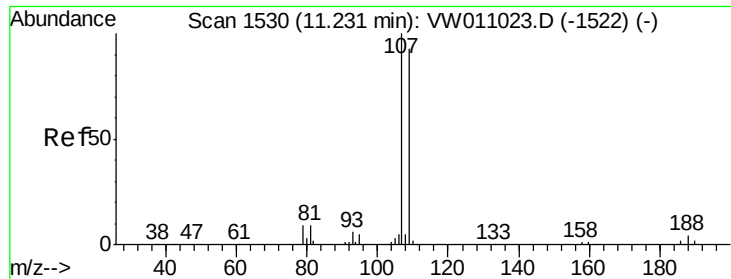
MMDadoda
7/8/2019 9:41:34 AM



#60
Dibromochloromethane
Concen: 52.307 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion: 129 Resp: 104348
Ion Ratio Lower Upper
129 100
127 77.7 39.4 118.1





#61

1,2-Dibromoethane

Concen: 49.669 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 88458

Ion Ratio Lower Upper

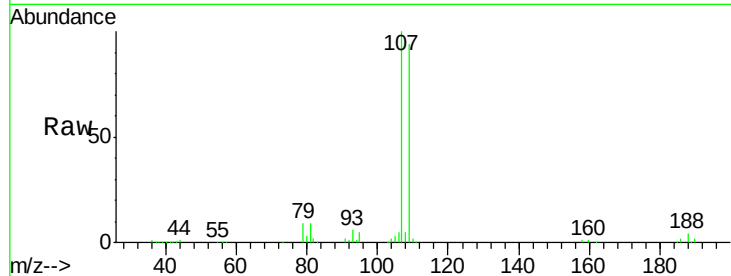
107 100

109 93.2 75.1 112.7

Manual Integrations
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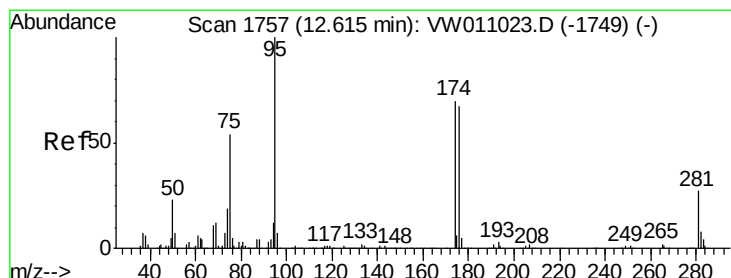
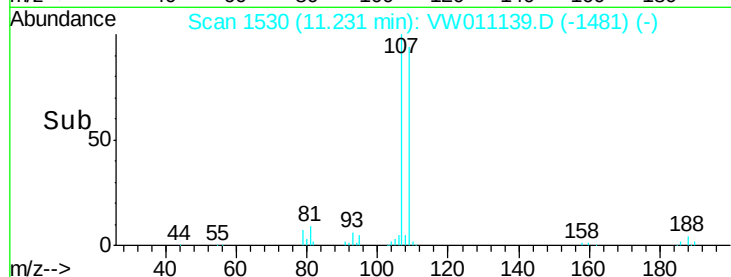
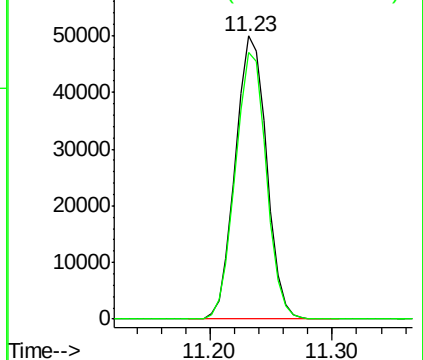
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.890 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

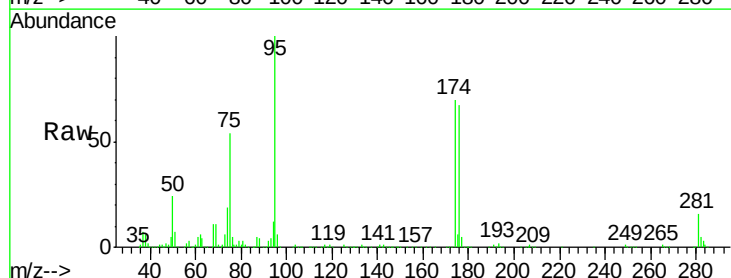
Tgt Ion: 95 Resp: 157900

Ion Ratio Lower Upper

95 100

174 74.5 0.0 149.2

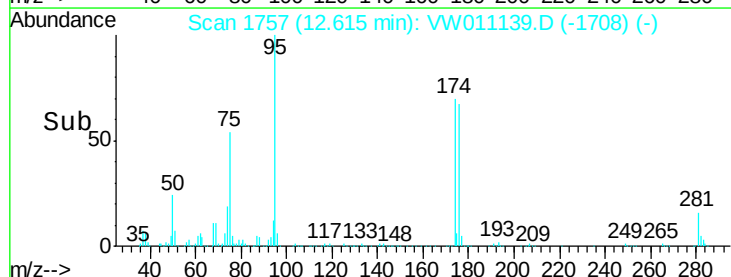
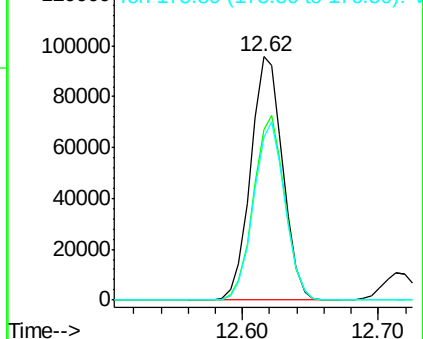
176 71.9 0.0 143.6

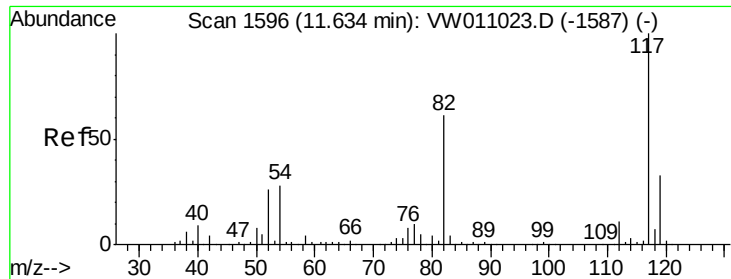


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





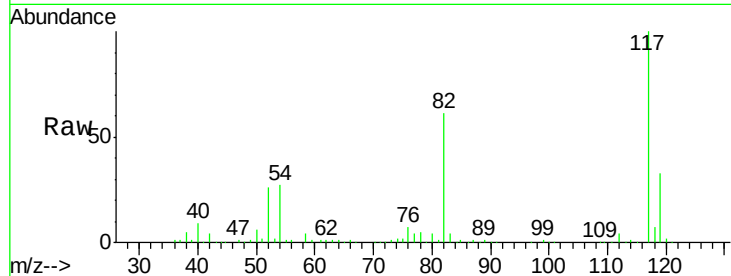
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	48.6	73.0
119	32.5	26.1	39.1

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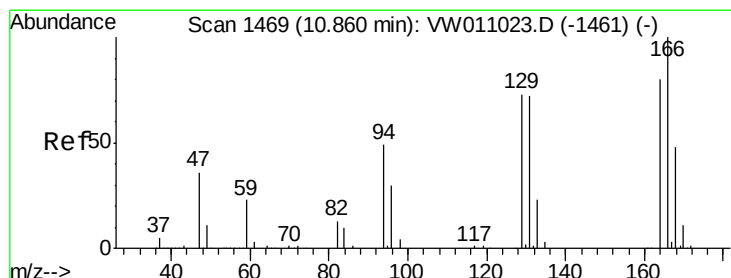
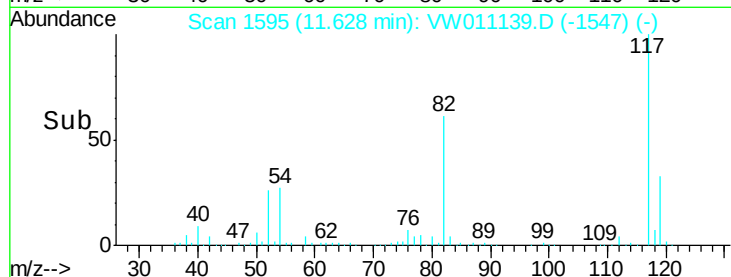
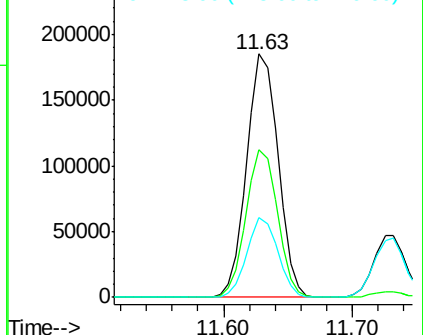


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.570 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	99.8	149.6
129	94.0	73.0	109.4
131	95.0	71.4	107.0

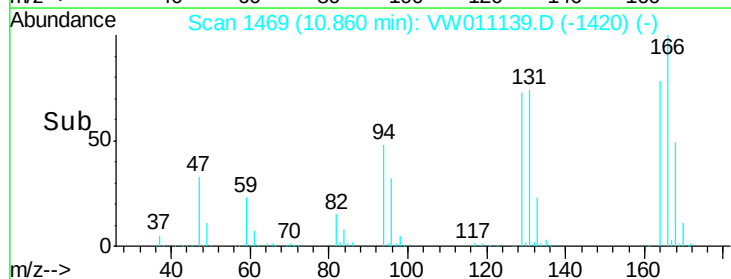
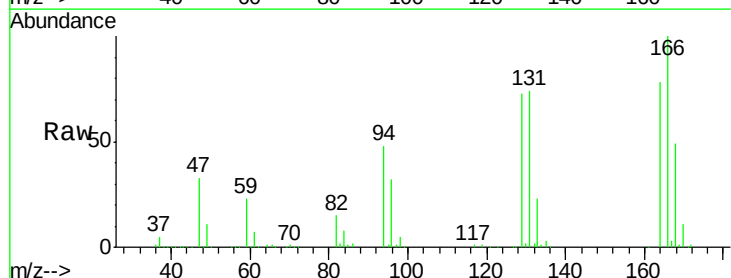
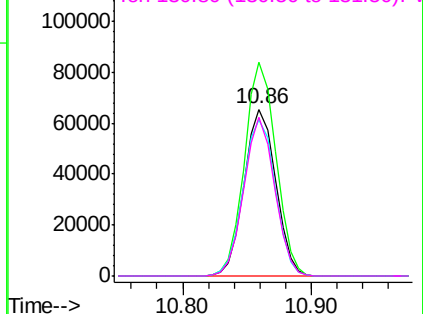
Abundance

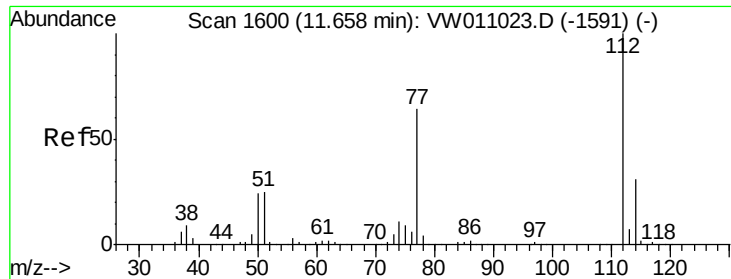
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





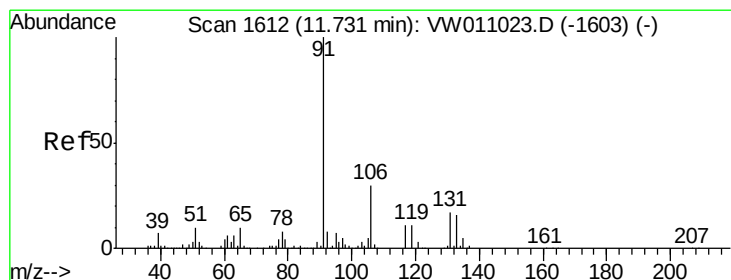
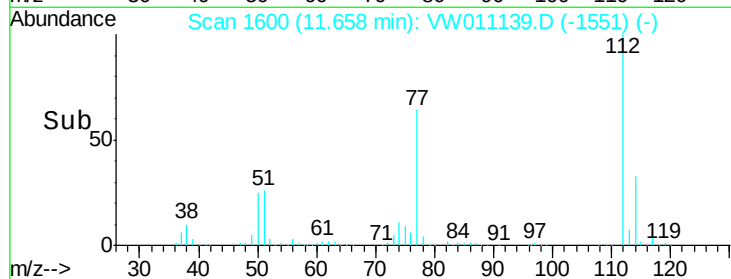
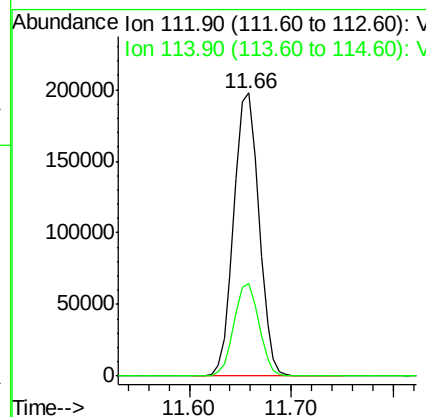
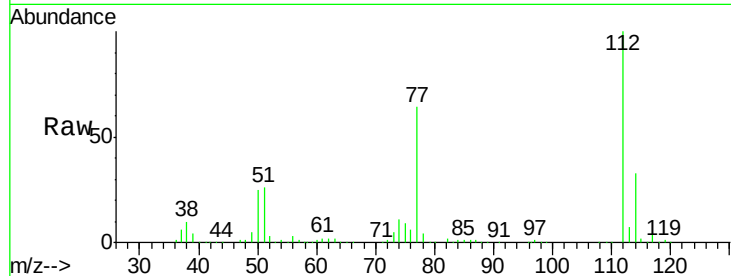
#65
Chlorobenzene
Concen: 52.766 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 337526
Ion Ratio Lower Upper
112 100
114 32.8 25.2 37.8

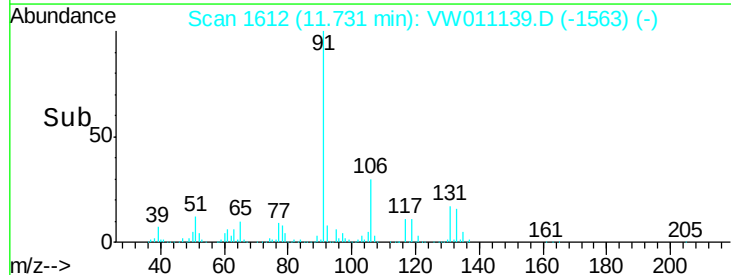
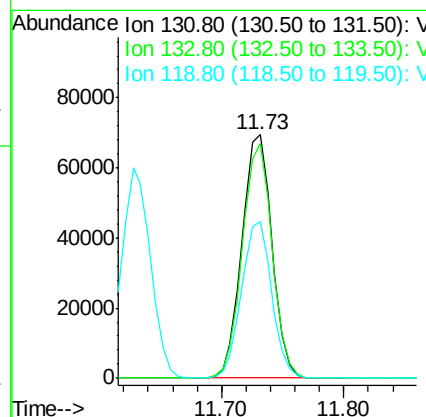
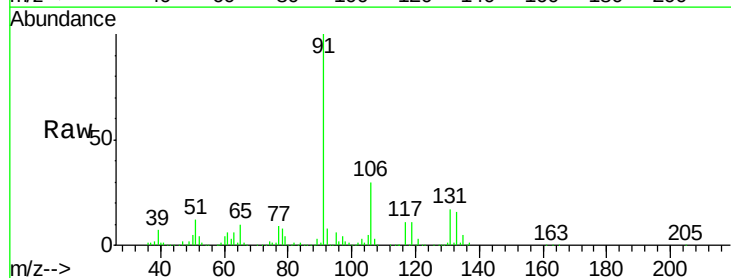
Manual Integrations
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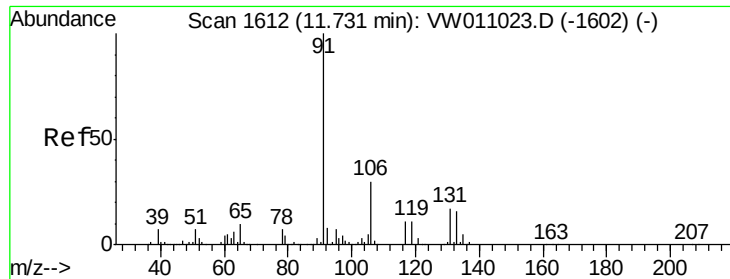
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.386 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion:131 Resp: 118114
Ion Ratio Lower Upper
131 100
133 95.7 47.7 143.1
119 64.5 33.1 99.2





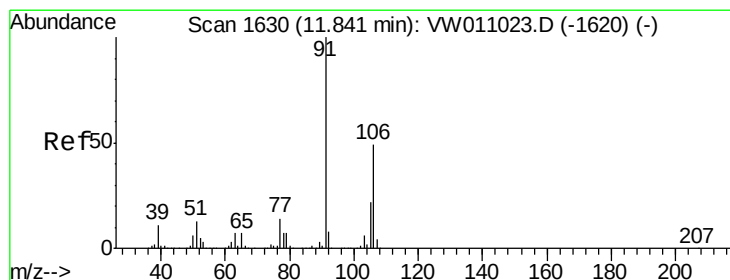
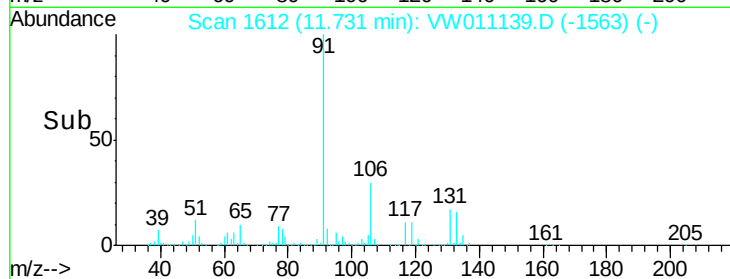
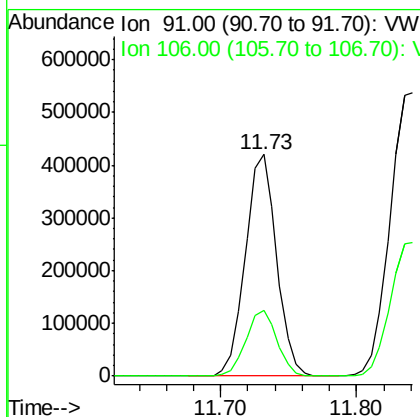
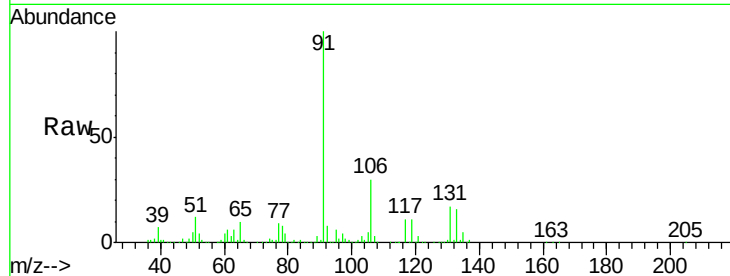
#67
Ethyl Benzene
Concen: 54.933 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 673010
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6

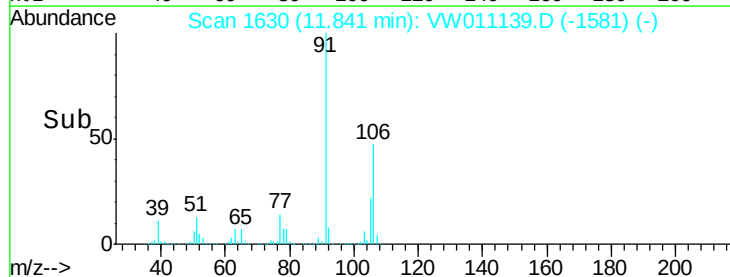
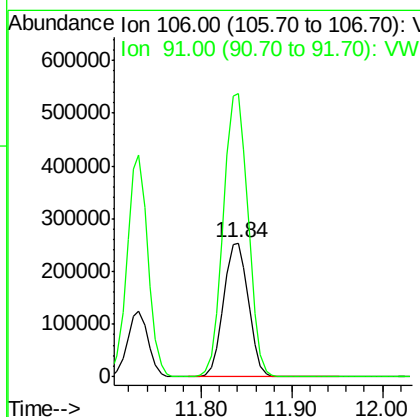
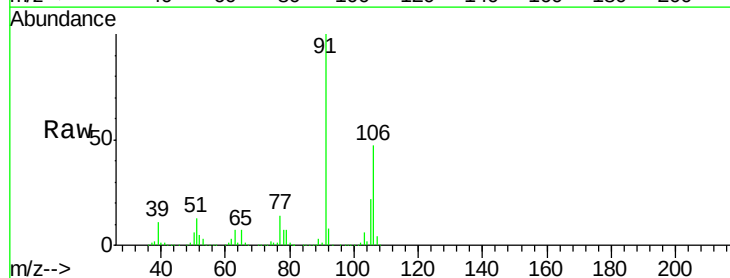
Manual Integrations
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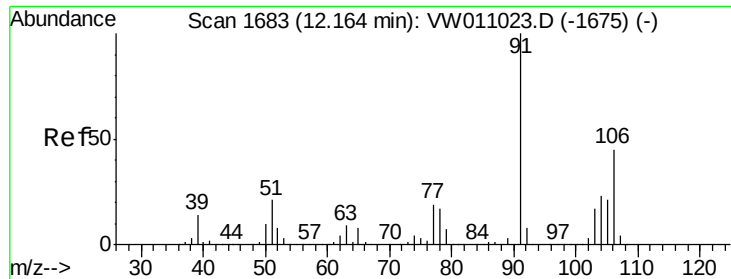
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#68
m/p-Xylenes
Concen: 109.097 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion: 106 Resp: 485003
Ion Ratio Lower Upper
106 100
91 210.4 167.5 251.3





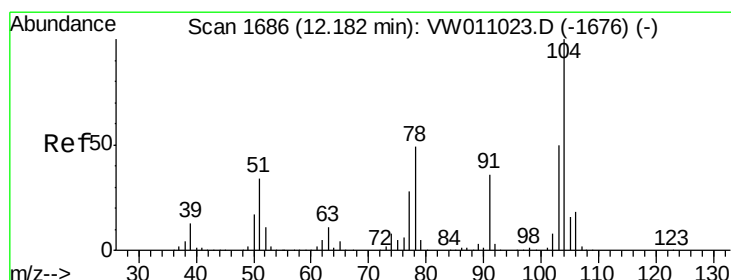
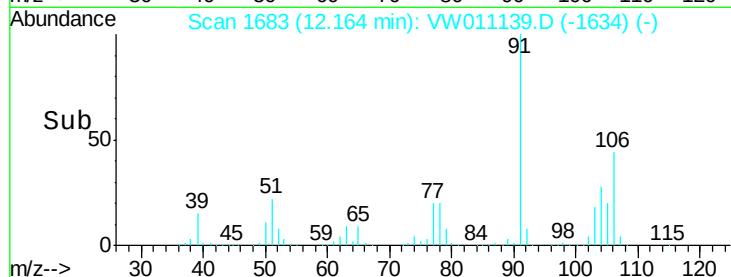
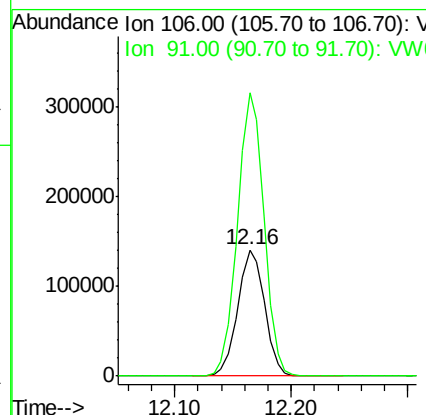
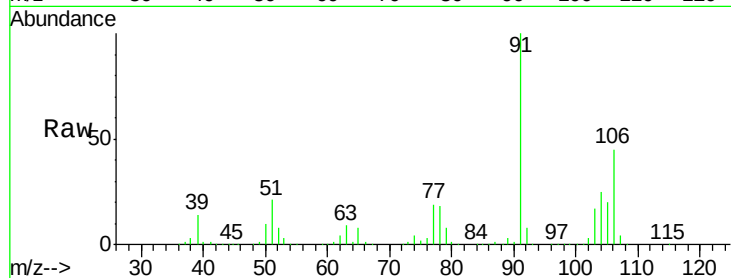
#69
o-Xylene
Concen: 54.402 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 225265
Ion Ratio Lower Upper
106 100
91 222.2 110.8 332.3

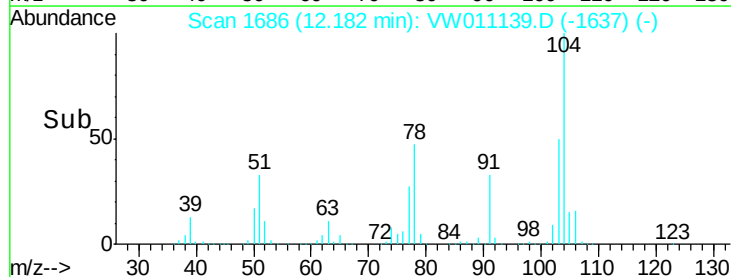
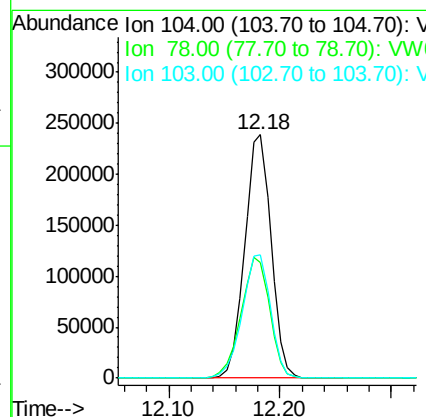
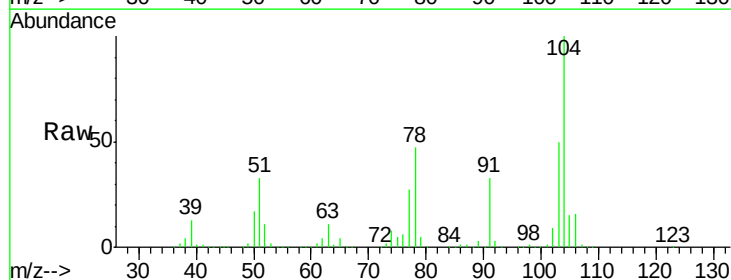
Manual Integrations
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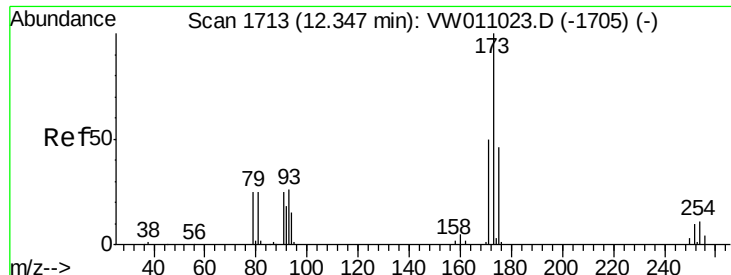
MMDadoda
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#70
Styrene
Concen: 54.453 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion:104 Resp: 391815
Ion Ratio Lower Upper
104 100
78 53.8 43.7 65.5
103 54.4 43.9 65.9





#71

Bromoform

Concen: 52.667 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 55762

Ion Ratio Lower Upper

173 100

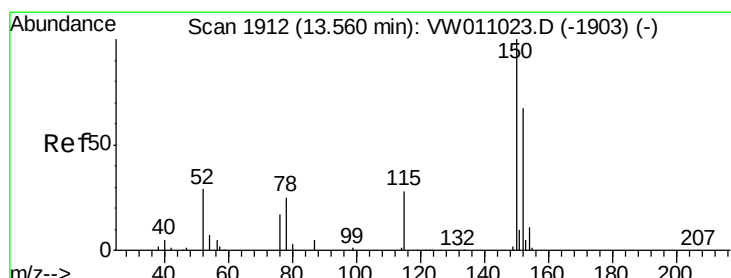
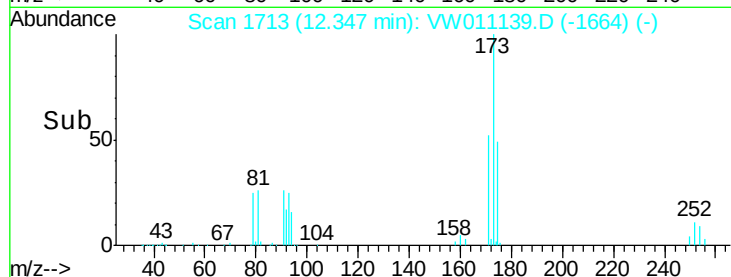
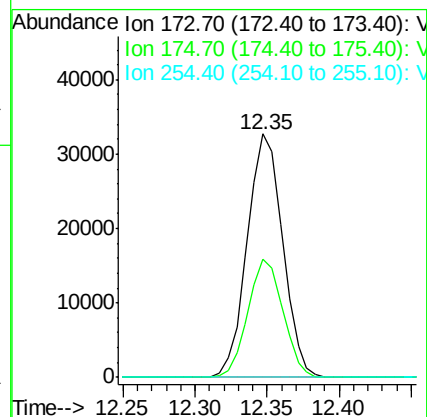
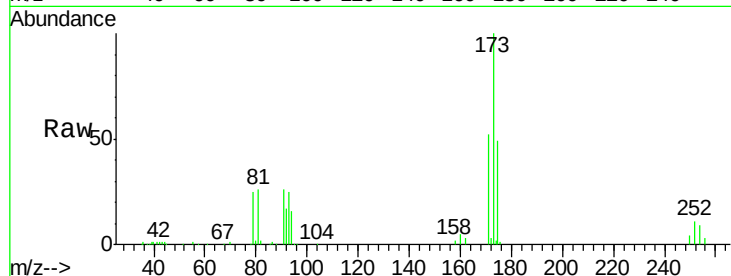
175 48.0 24.1 72.2

254 0.0 0.0 0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

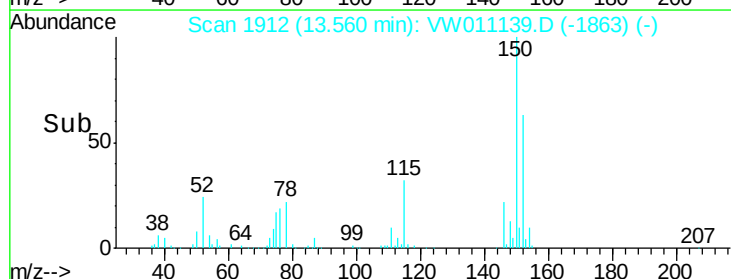
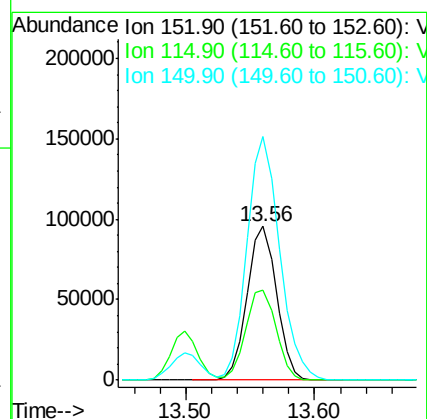
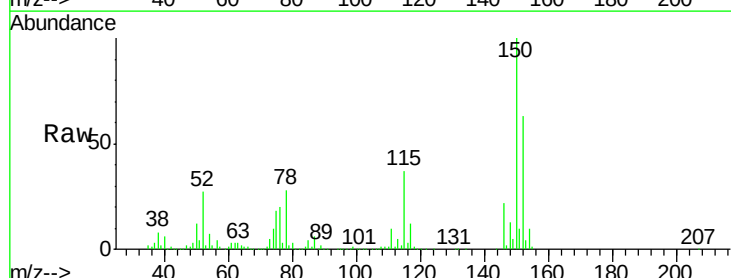
Tgt Ion:152 Resp: 150664

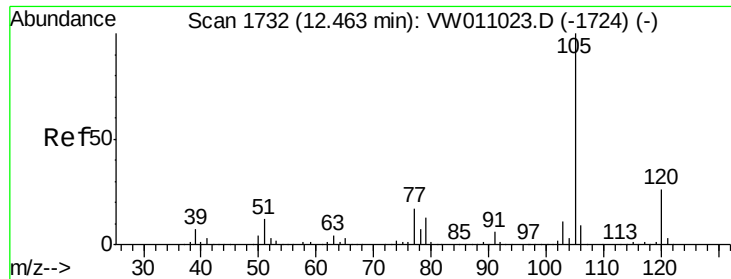
Ion Ratio Lower Upper

152 100

115 61.0 30.7 92.1

150 175.6 0.0 341.8





#73

Isopropylbenzene

Concen: 55.908 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 631025

Ion Ratio Lower Upper

105 100

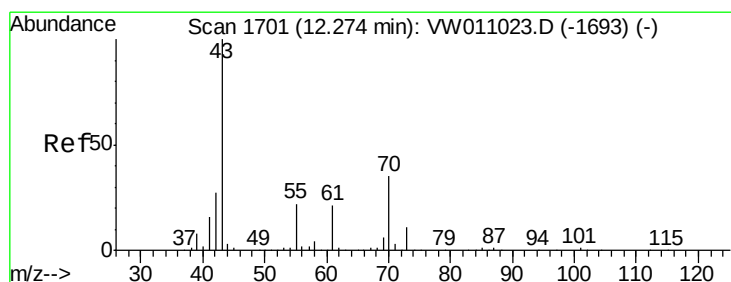
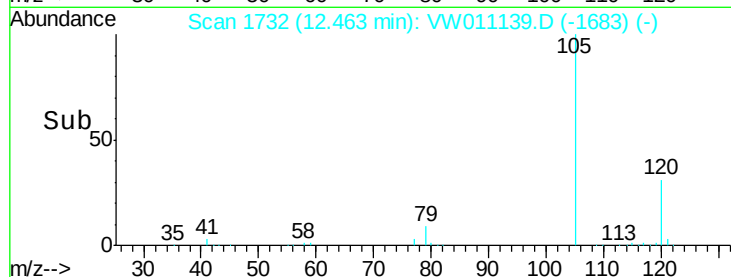
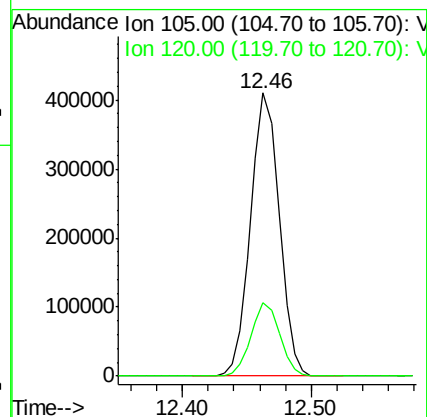
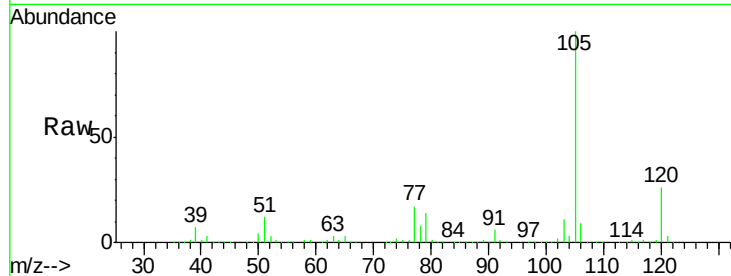
120 25.8 12.9 38.6

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#74

N-ethyl acetate

Concen: 50.860 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Tgt Ion: 43 Resp: 192788

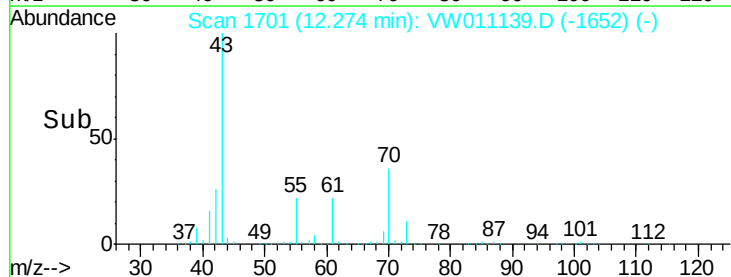
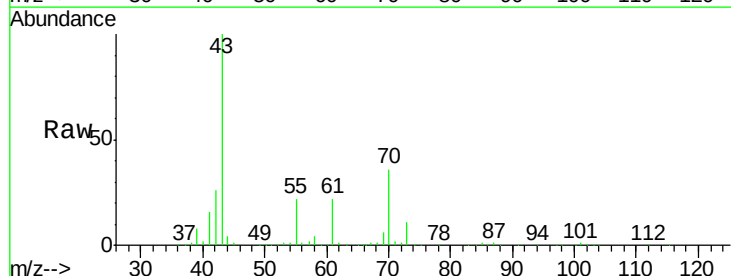
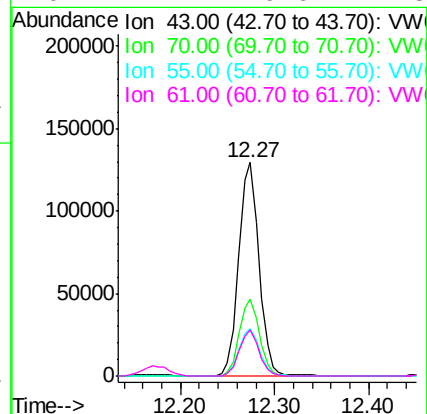
Ion Ratio Lower Upper

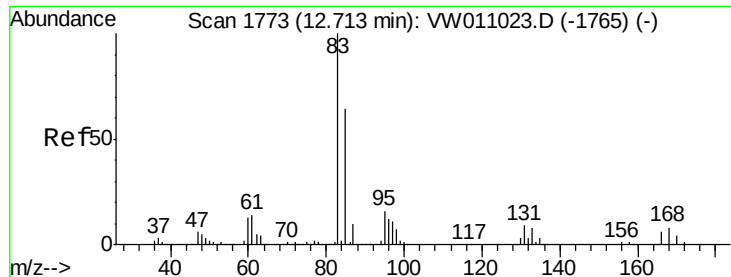
43 100

70 36.2 28.2 42.4

55 22.8 17.8 26.8

61 21.1 16.6 24.8





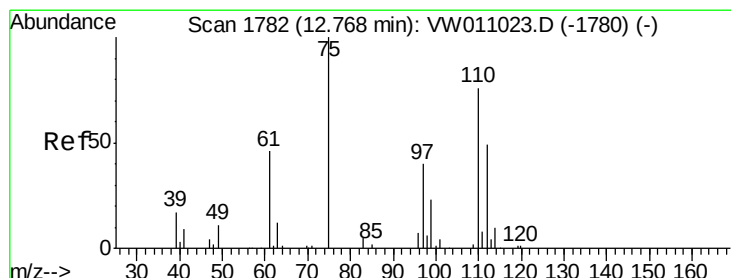
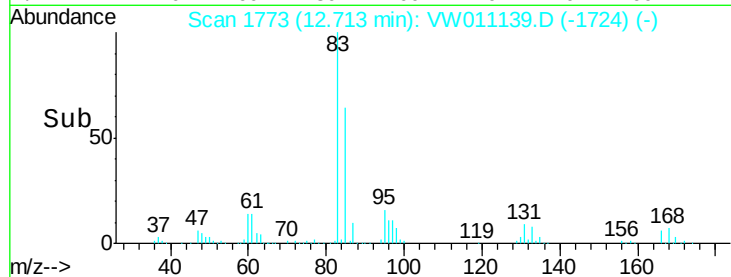
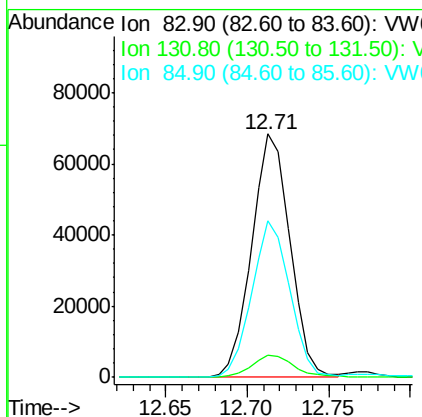
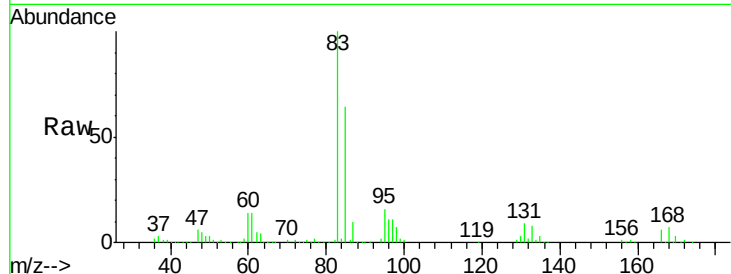
#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.524 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	111984
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	63.6	31.8	95.4

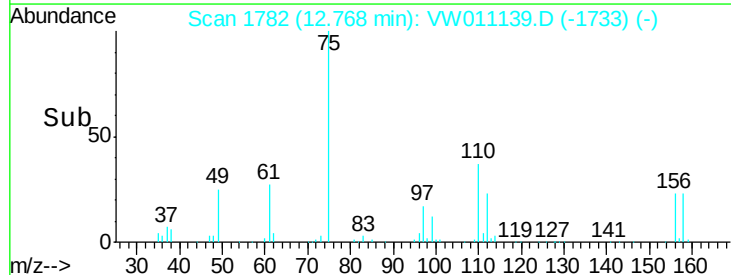
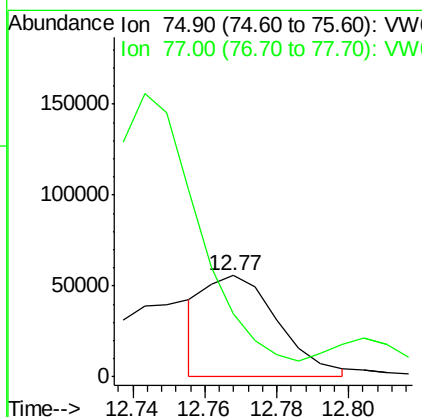
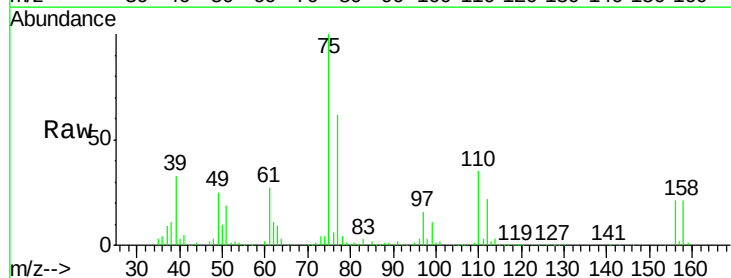
Manual Integrations
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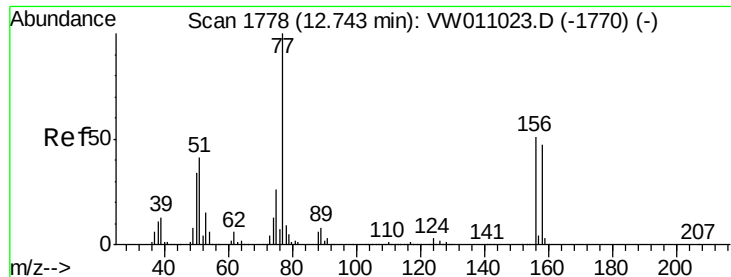
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 7/8/2019 9:41:34 AM



#76
 1,2,3-Trichloropropane
 Concen: 49.403 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Tgt Ion	75	Resp	78582
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.403 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Instrument :

MSVOA_W

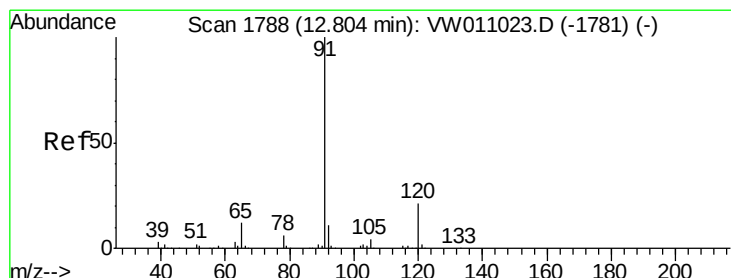
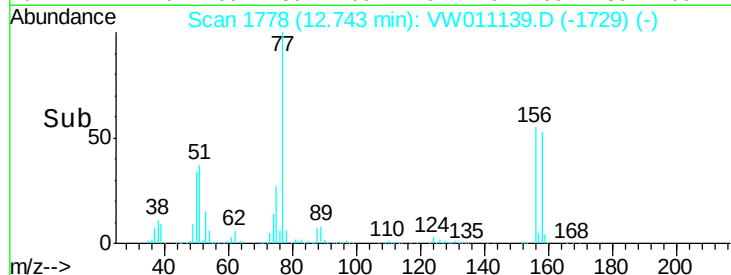
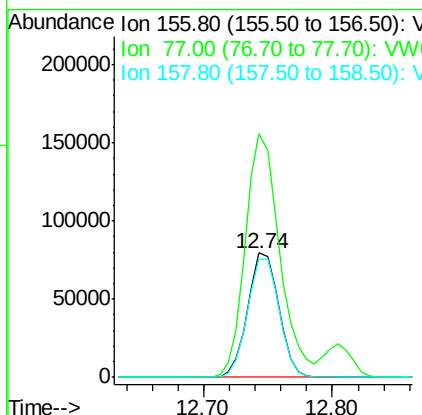
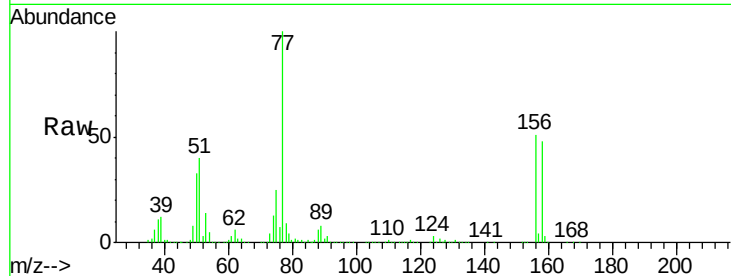
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	132487
Ion Ratio	Lower	Upper	
156	100		
77	216.4	109.5	328.5
158	97.1	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 56.008 ug/l

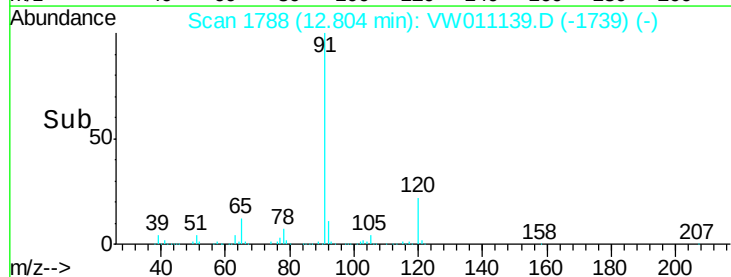
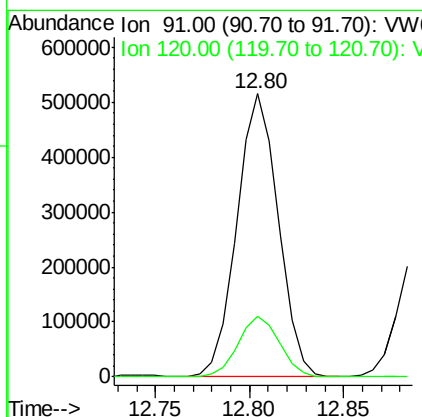
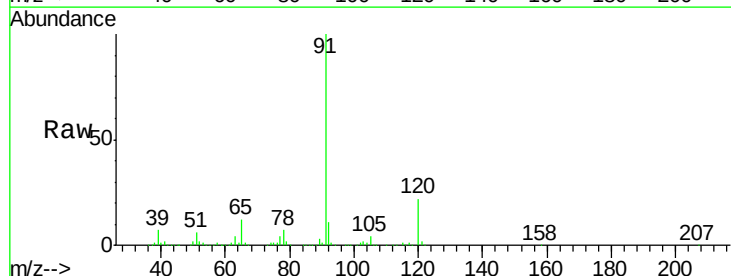
RT: 12.80 min Scan# 1788

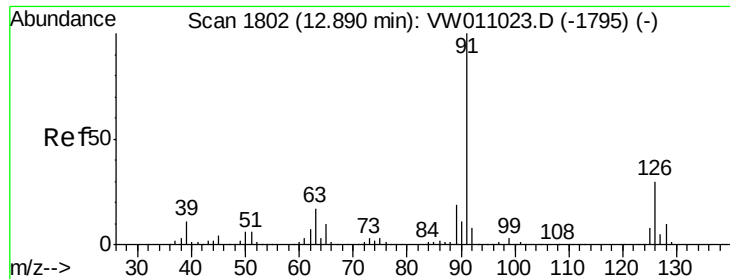
Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Tgt Ion:	91	Resp:	782830
Ion Ratio	Lower	Upper	
91	100		
120	21.4	10.5	31.6





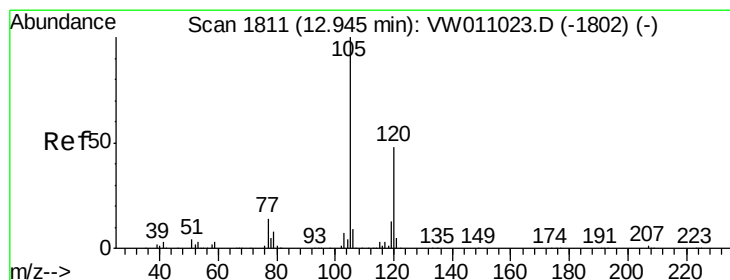
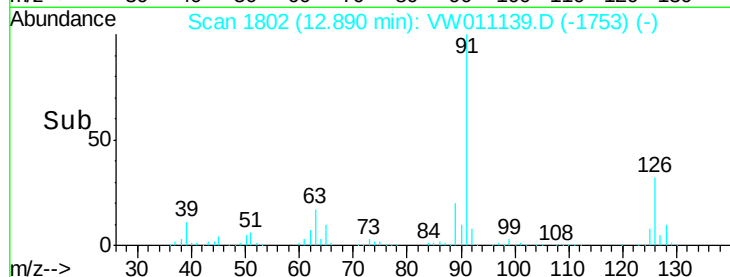
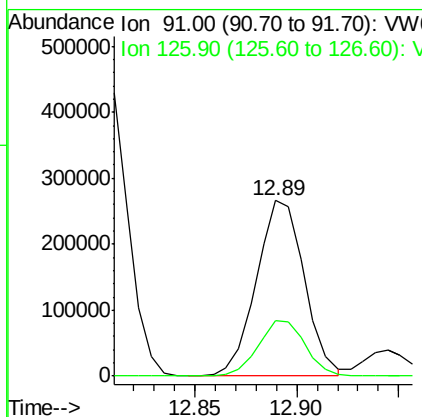
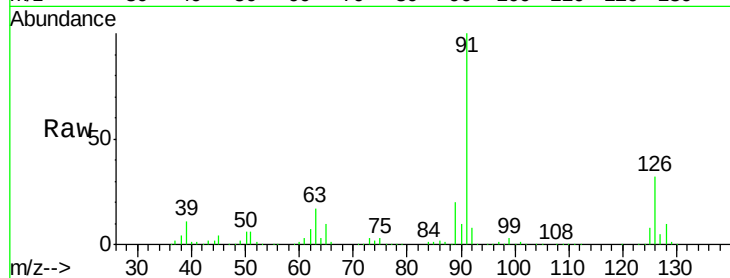
#79
 2-Chlorotoluene
 Concen: 54.364 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 434111
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.4 46.4

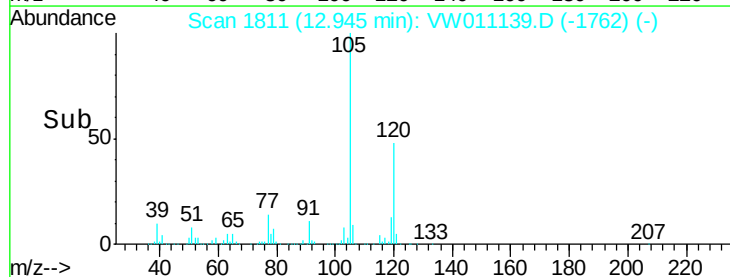
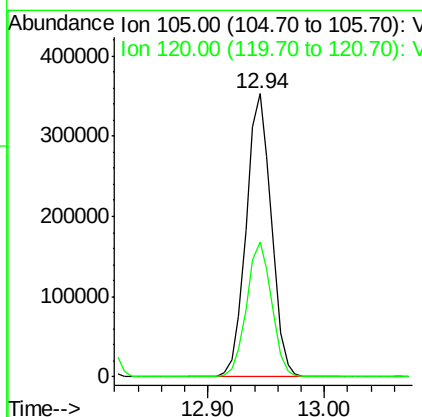
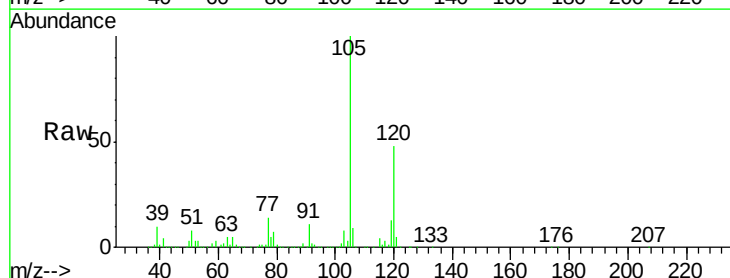
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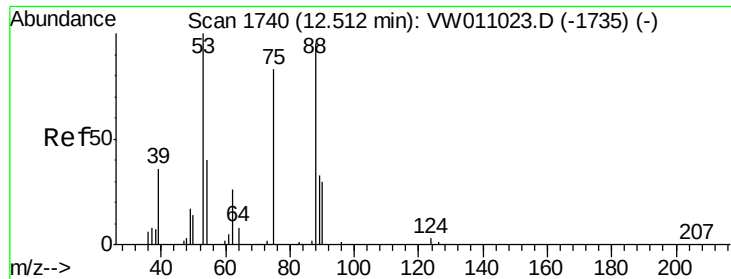
MMDadoda
 7/8/2019 9:41:34 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 55.535 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Tgt Ion: 105 Resp: 531274
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.8 71.5





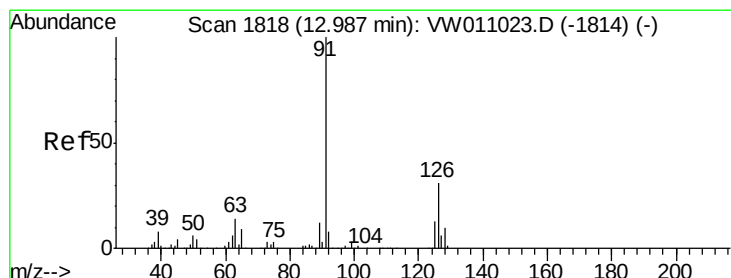
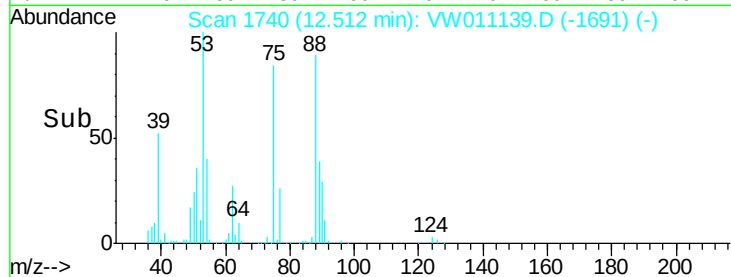
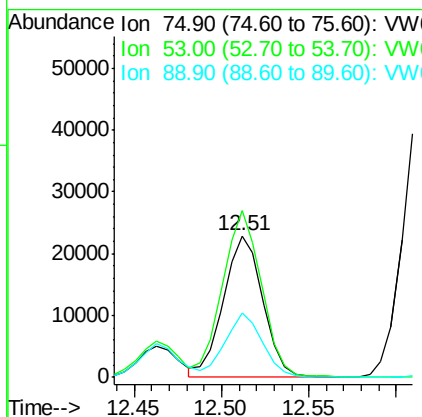
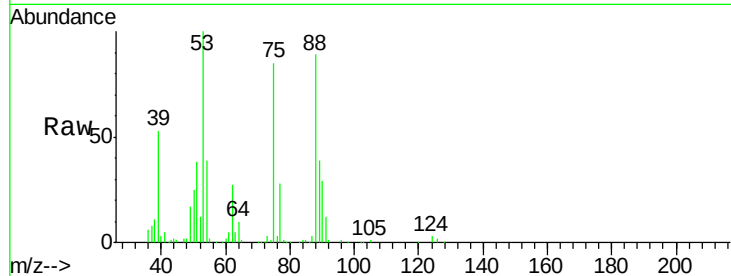
#81
trans-1,4-Dichloro-2-butene
Concen: 48.165 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.2	95.6	143.4
89	42.9	34.4	51.6

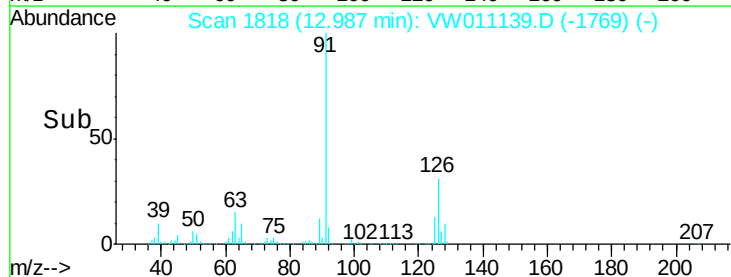
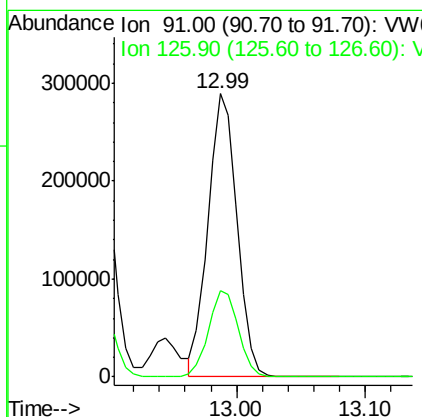
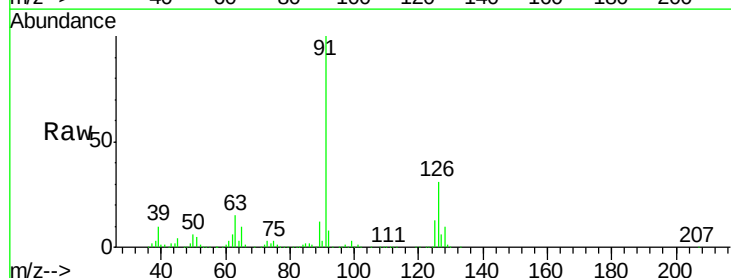
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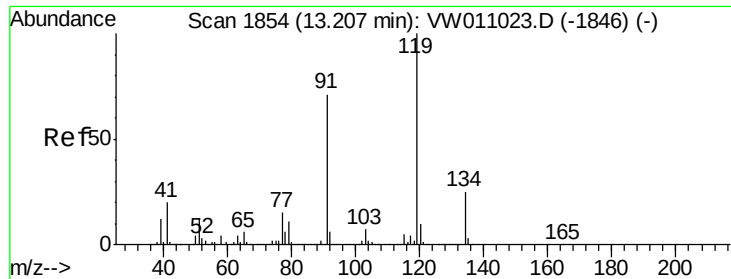
MMDadoda
7/8/2019 9:41:34 AM



#82
4-Chlorotoluene
Concen: 54.671 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1





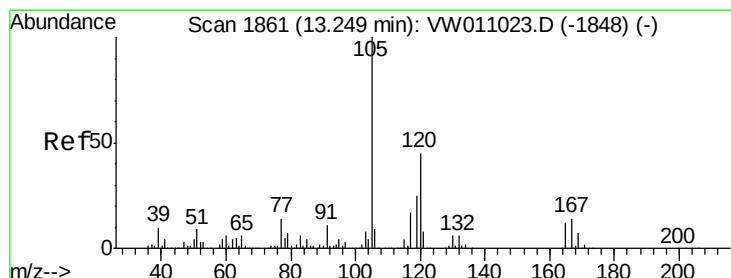
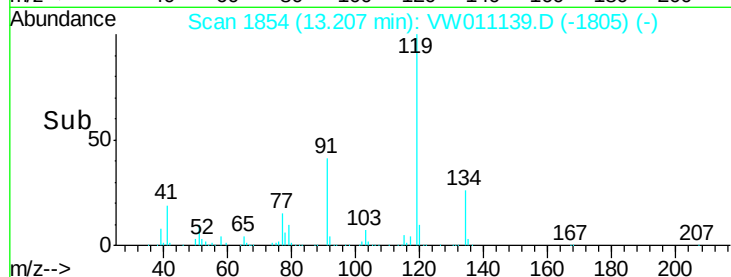
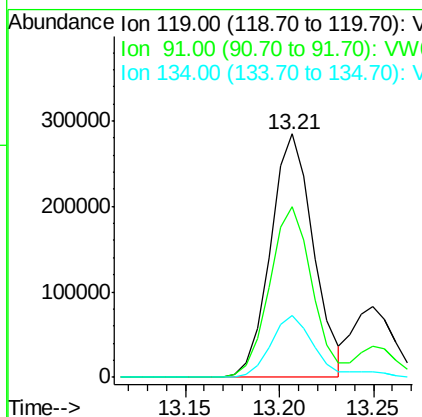
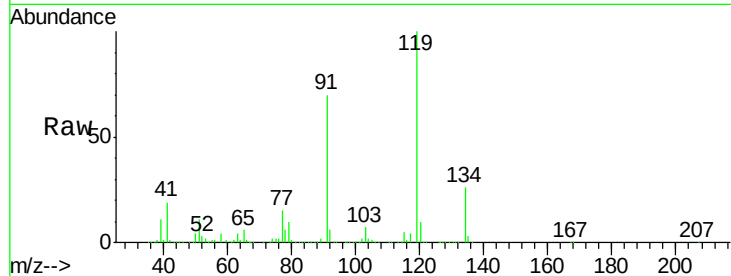
#83
 tert-Butylbenzene
 Concen: 56.212 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	448425		
91	69.4		35.5	106.5
134	25.2		12.4	37.2

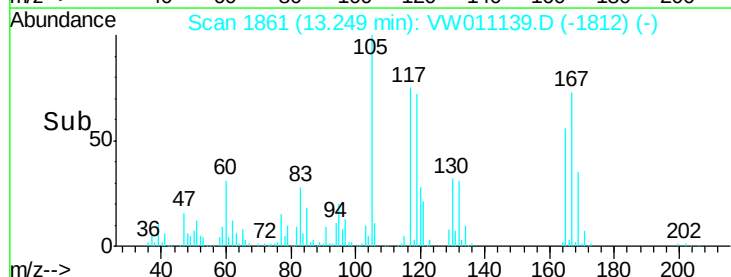
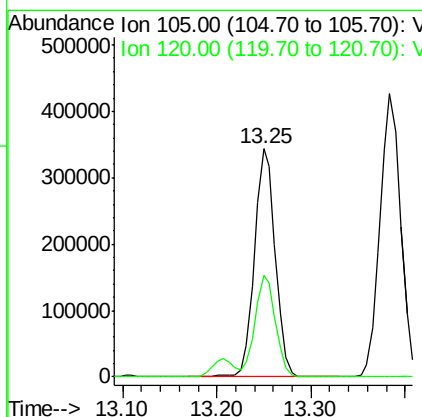
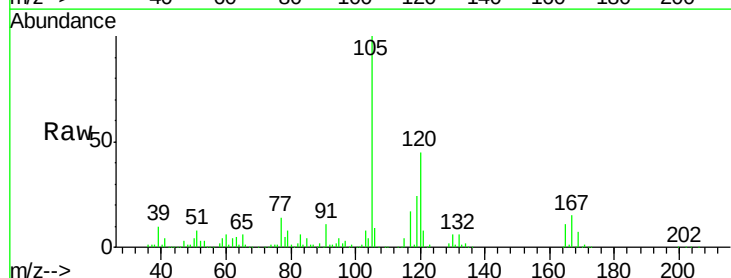
Manual Integrations
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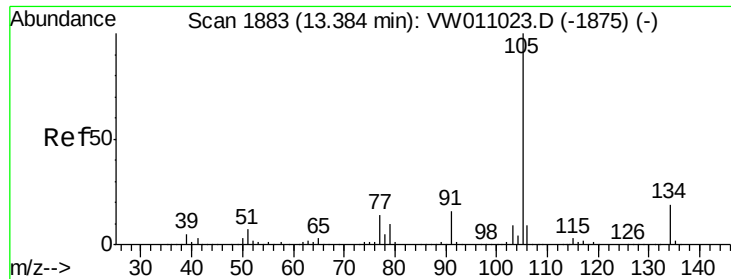
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.280 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	534524		
120	43.9		22.4	67.2





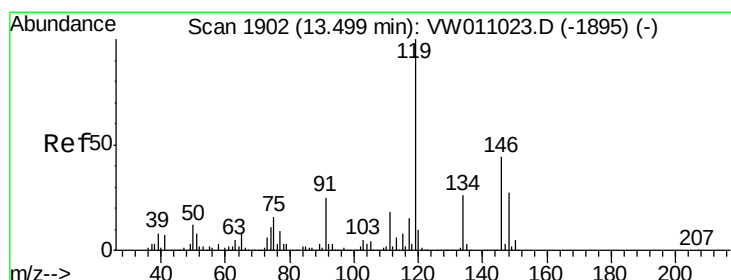
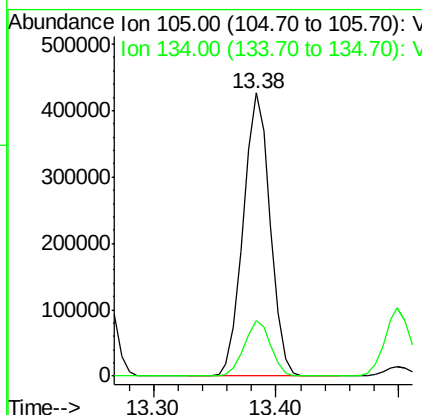
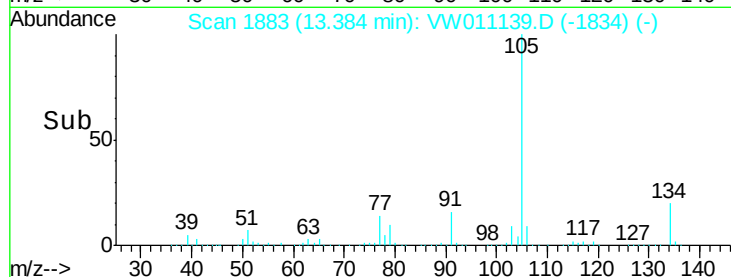
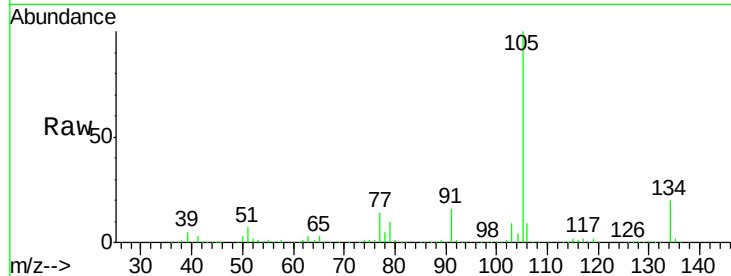
#85
 sec-Butylbenzene
 Concen: 56.008 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 649069
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.6 28.8

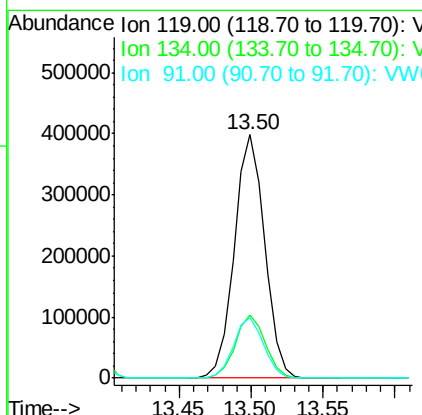
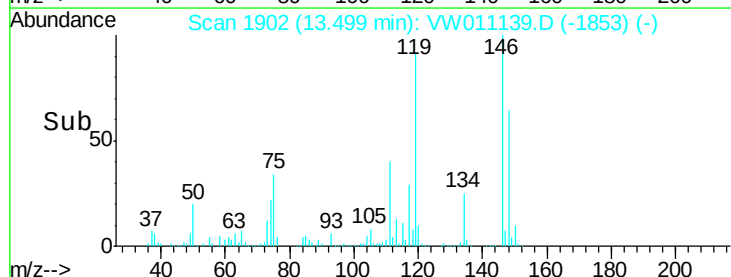
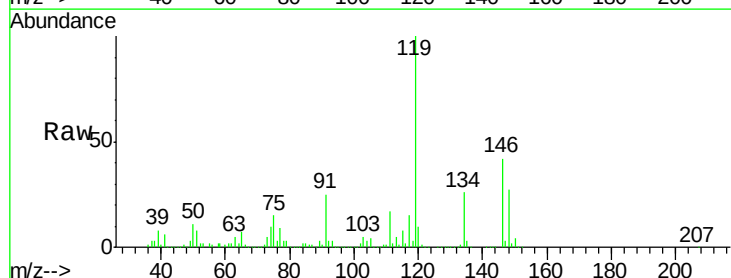
Manual Integrations
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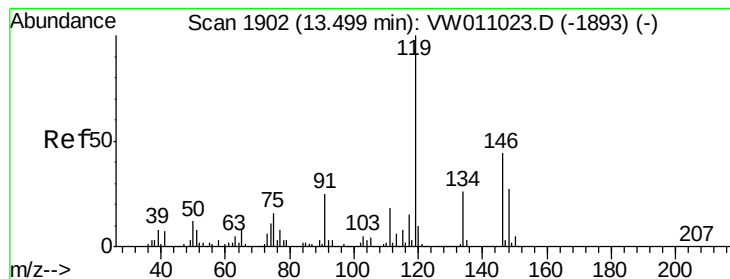
MMDadoda
 7/8/2019 9:41:34 AM



#86
 p-Isopropyltoluene
 Concen: 55.734 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Tgt Ion:119 Resp: 581227
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.7
 91 24.7 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 54.056 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Instrument :

MSVOA_W

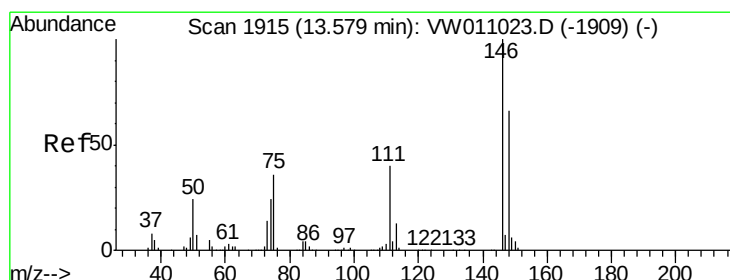
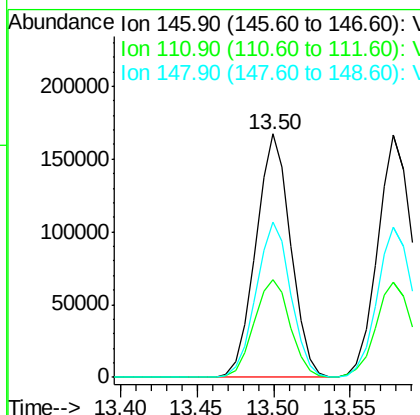
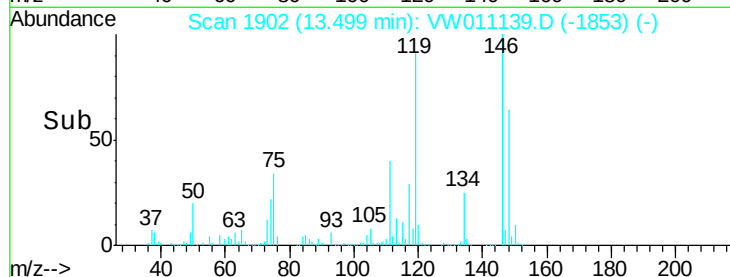
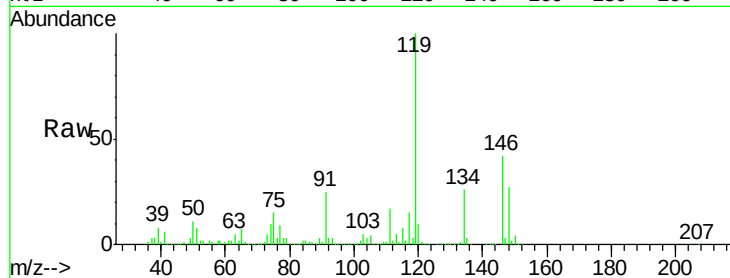
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	265276
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.9	62.8
148	63.6	31.8	95.4

Manual Integrations
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7/8/2019 9:41:34 AM



#88

1,4-Dichlorobenzene

Concen: 53.399 ug/l

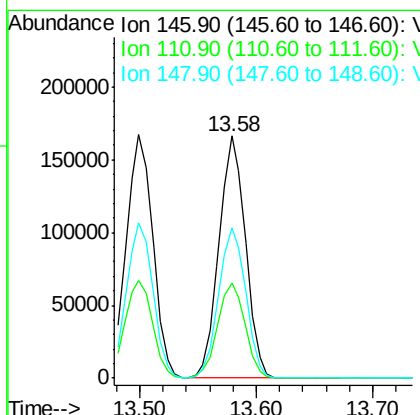
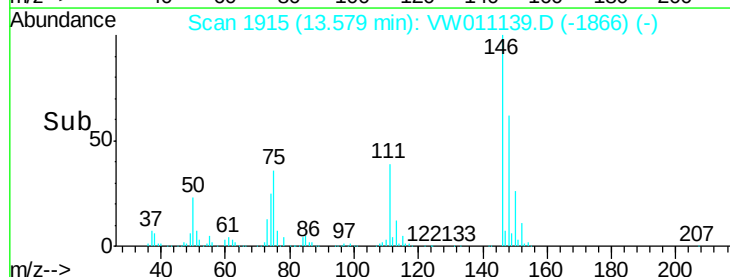
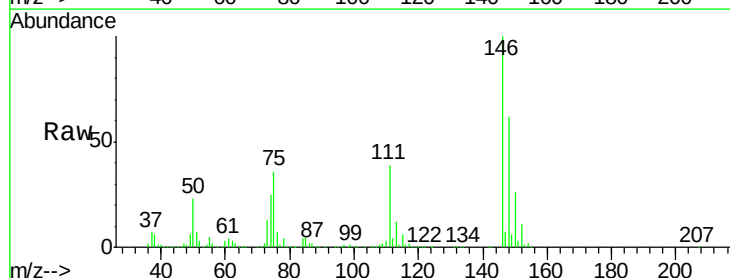
RT: 13.58 min Scan# 1915

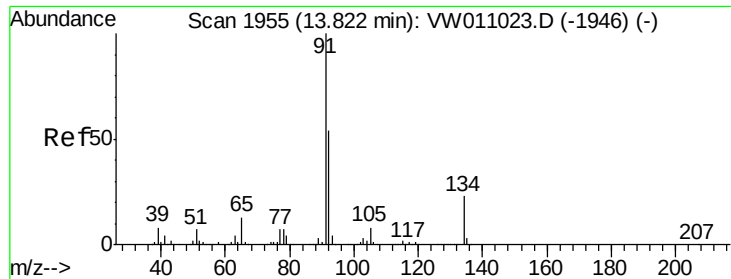
Delta R.T. 0.00 min

Lab File: VW011139.D

Acq: 03 Jul 2019 13:58

Tgt Ion:	146	Resp:	261590
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.6	61.9
148	63.5	32.4	97.2





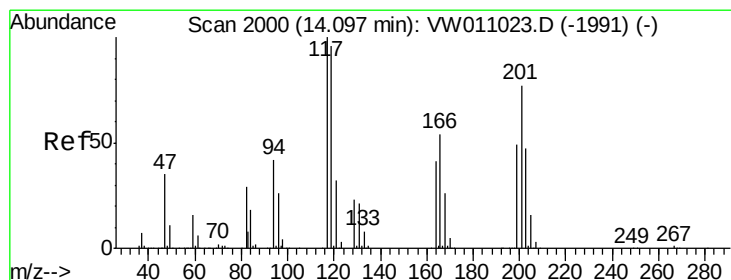
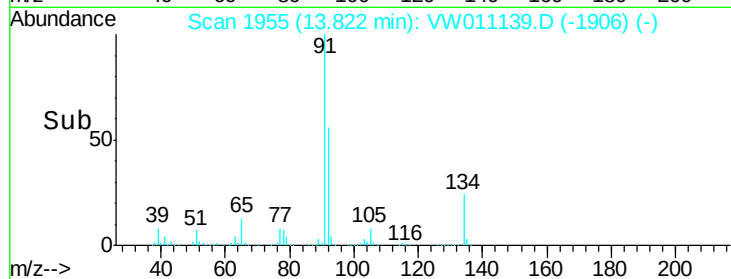
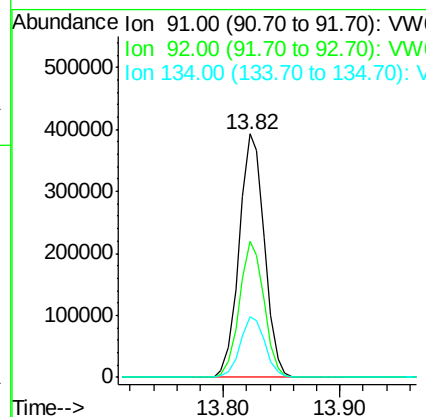
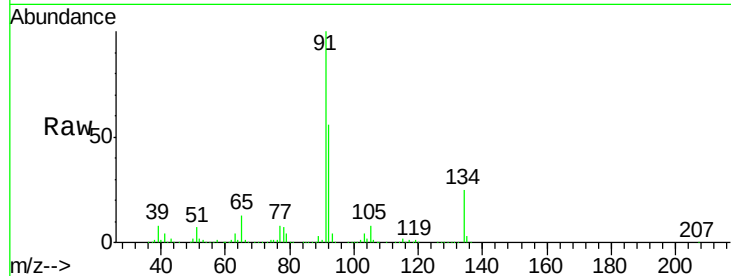
#89
n-Butylbenzene
Concen: 55.814 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	591607		
92	54.5		27.1	81.2
134	24.4		12.0	36.1

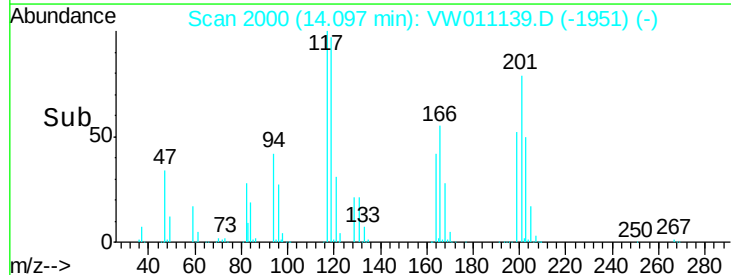
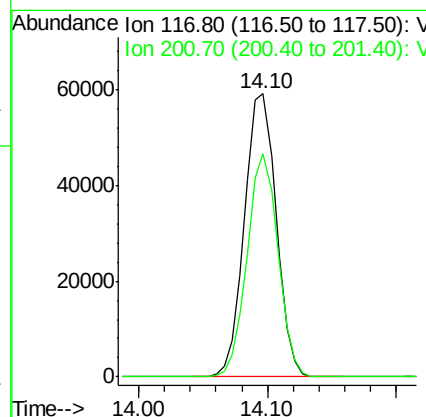
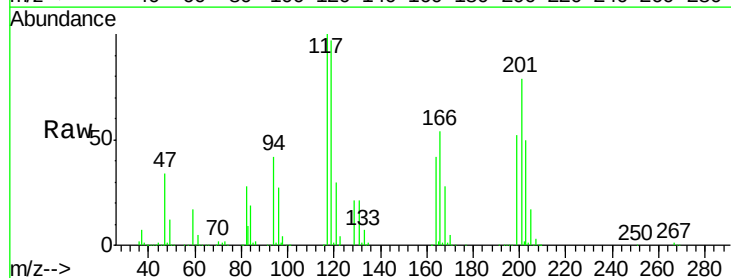
Manual Integrations
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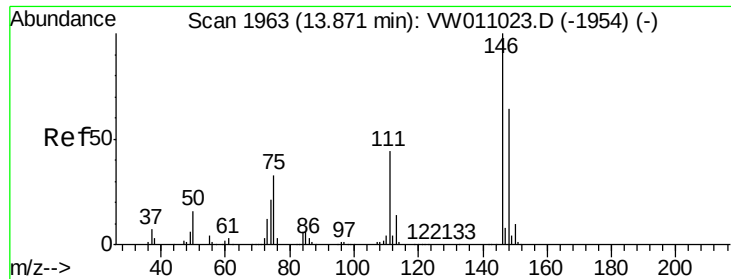
MMDadoda
7/8/2019 9:41:34 AM



#90
Hexachloroethane
Concen: 56.413 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	100661		
201	76.5		38.0	114.0





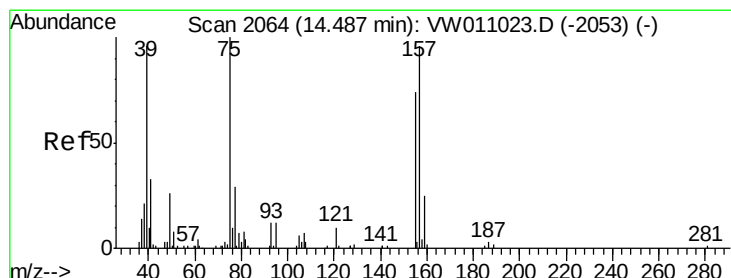
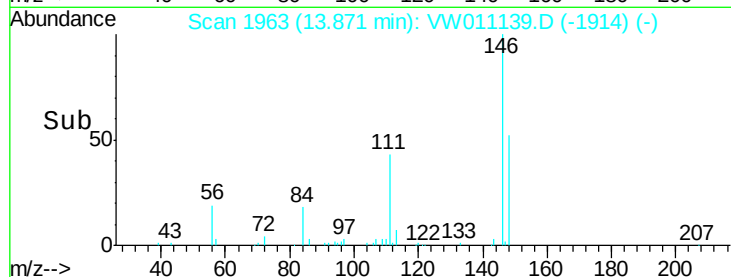
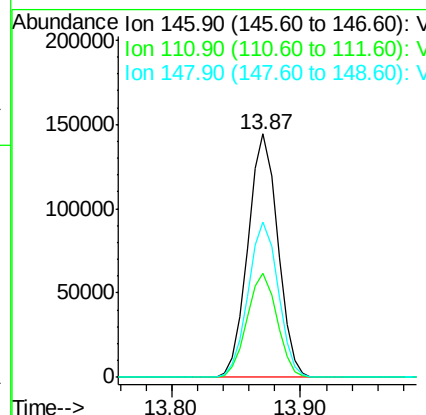
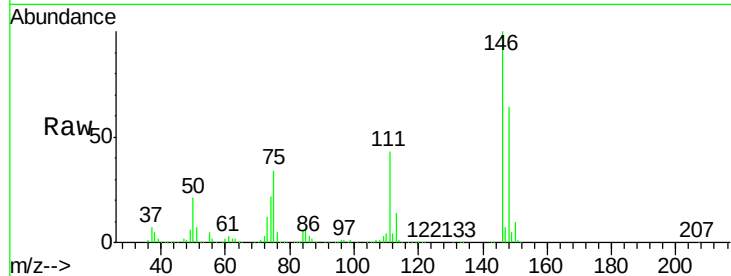
#91
 1,2-Dichlorobenzene
 Concen: 52.306 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.4	64.3
148	64.3	31.8	95.3

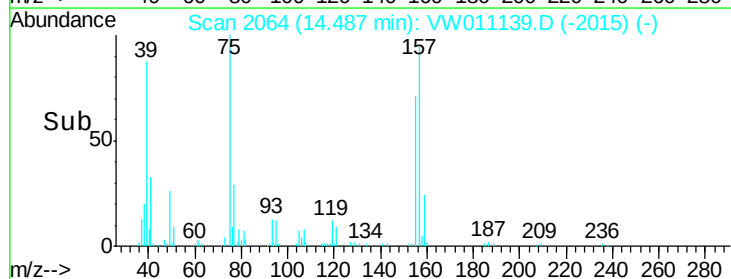
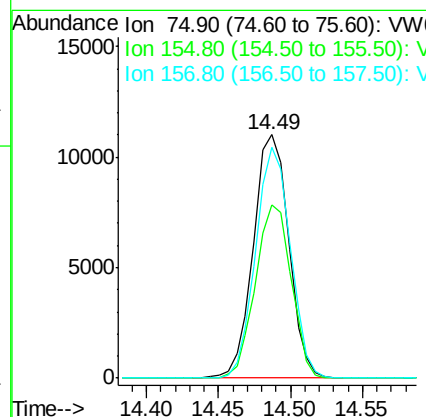
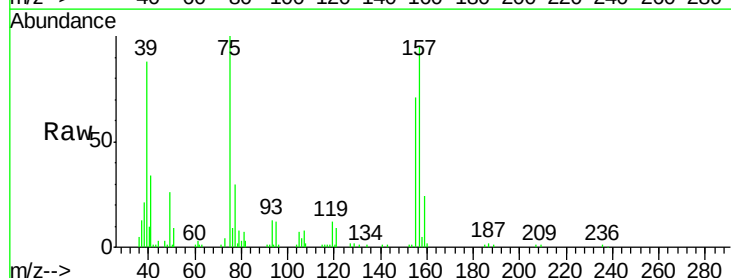
Manual Integrations
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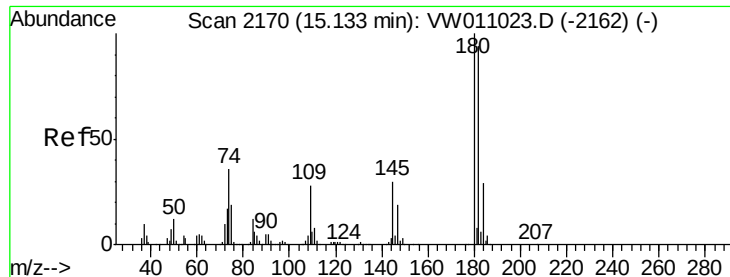
MMDadoda
 7/8/2019 9:41:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.665 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011139.D
 Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.8	37.0	110.9
157	92.6	45.9	137.7





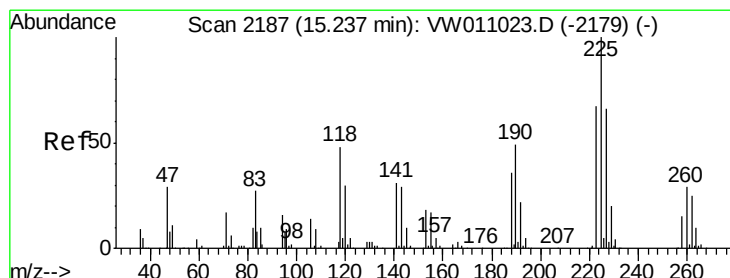
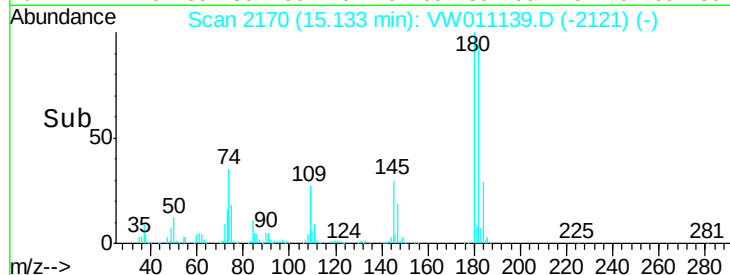
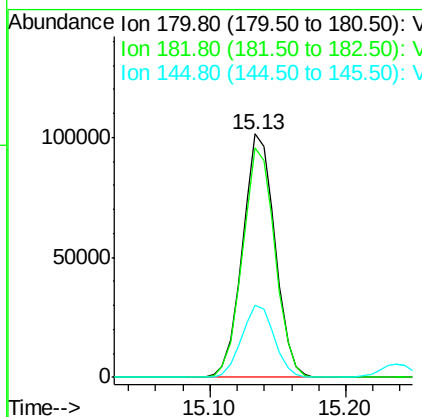
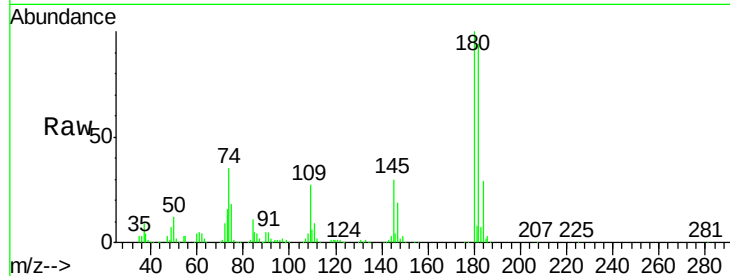
#93
1,2,4-Trichlorobenzene
Concen: 54.485 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	168963		
182	94.3	47.4	142.2	
145	29.9	15.3	45.8	

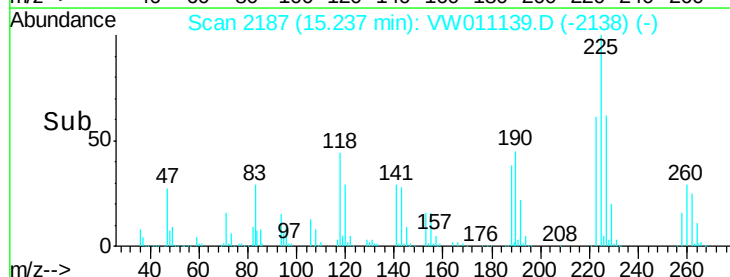
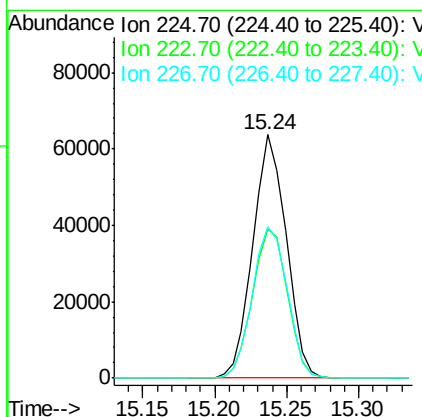
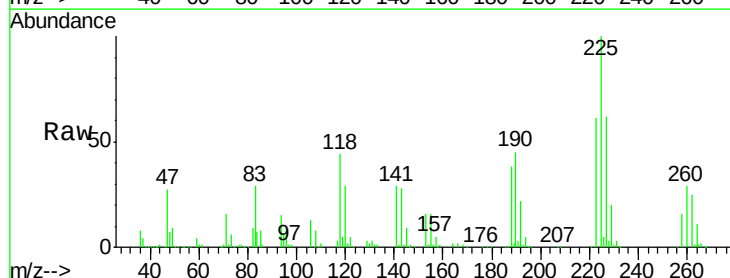
Manual Integrations
APPROVED

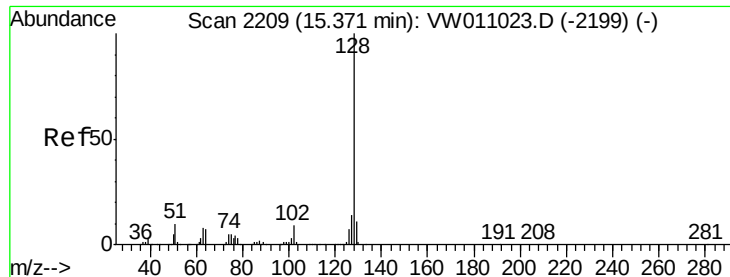
MMDadoda
7/8/2019 9:41:34 AM



#94
Hexachlorobutadiene
Concen: 54.357 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102240		
223	64.2	31.9	95.9	
227	64.8	31.9	95.9	





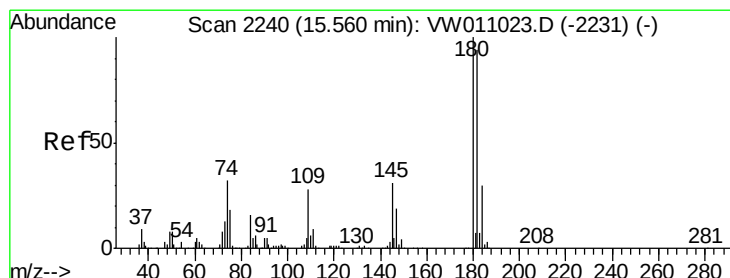
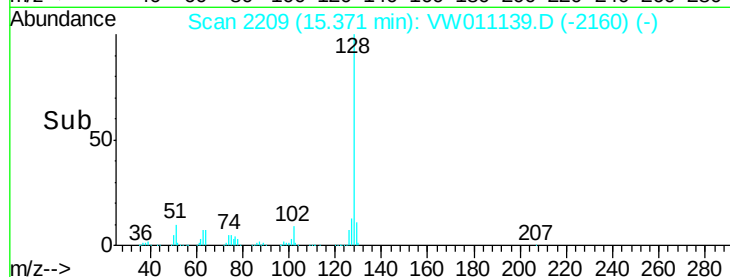
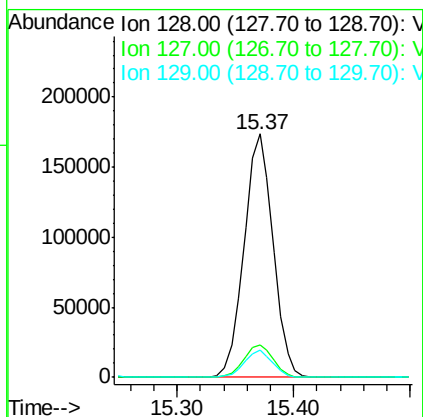
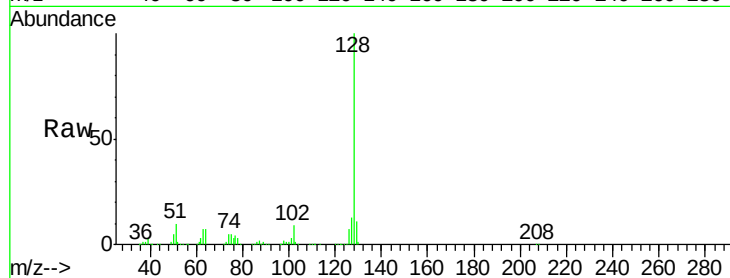
#95
Naphthalene
Concen: 51.866 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	302128
Ion Ratio		Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/8/2019 9:41:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.670 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011139.D
Acq: 03 Jul 2019 13:58

Tgt Ion:	180	Resp:	143076
Ion Ratio		Lower	Upper
180	100		
182	96.1	47.9	143.7
145	32.3	16.1	48.2

