

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010672.D
 Acq On : 03 Jun 2019 21:28
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 12:13:11 PM

Quant Time: Jun 04 08:36:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	160264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	262327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	236652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	118153	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	78937	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
35) Dibromofluoromethane	7.88	113	83282	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
50) Toluene-d8	10.32	98	302909	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.62	95	121036	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	63595	44.511	ug/l	97
3) Chloromethane	2.21	50	70242	41.715	ug/l	100
4) Vinyl Chloride	2.36	62	79471	40.745	ug/l	98
5) Bromomethane	2.75	94	59293	44.189	ug/l	99
6) Chloroethane	2.90	64	57679	46.067	ug/l	99
7) Trichlorofluoromethane	3.25	101	146160	50.757	ug/l	98
8) Diethyl Ether	3.68	74	49951	54.723	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	91257	51.460	ug/l	95
10) Methyl Iodide	4.27	142	102319	50.480	ug/l	96
11) Tert butyl alcohol	5.17	59	40734	273.762	ug/l	100
12) 1,1-Dichloroethene	4.03	96	86175	50.907	ug/l	95
13) Acrolein	3.89	56	19179	218.388	ug/l	97
14) Allyl chloride	4.67	41	121656	49.649	ug/l	99
15) Acrylonitrile	5.37	53	103397	270.473	ug/l	99
16) Acetone	4.12	43	94055	278.551	ug/l	96
17) Carbon Disulfide	4.38	76	219059	43.385	ug/l	100
18) Methyl Acetate	4.67	43	46518	56.330	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	240201	55.660	ug/l	98
20) Methylene Chloride	4.92	84	95518	48.010	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	100263	51.637	ug/l	95
22) Diisopropyl ether	6.31	45	265257	52.794	ug/l	98
23) Vinyl Acetate	6.26	43	788267	262.646	ug/l	100
24) 1,1-Dichloroethane	6.21	63	161369	53.820	ug/l	99
25) 2-Butanone	7.17	43	136732	282.960	ug/l	98
26) 2,2-Dichloropropane	7.17	77	135692	47.511	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	116770	55.316	ug/l	96
28) Bromochloromethane	7.51	49	55033	51.265	ug/l	89
29) Tetrahydrofuran	7.52	42	87048	266.215	ug/l	97
30) Chloroform	7.68	83	176866	54.688	ug/l	99
31) Cyclohexane	7.95	56	142224	45.284	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	162288	52.502	ug/l	98
36) 1,1-Dichloropropene	8.08	75	130417	53.369	ug/l	99
37) Ethyl Acetate	7.25	43	59484	57.241	ug/l	98
38) Carbon Tetrachloride	8.07	117	143792	54.547	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	170892	52.197	ug/l	97
40) Benzene	8.32	78	382511	56.317	ug/l	98
41) Methacrylonitrile	7.48	41	33960	55.000	ug/l	97
42) 1,2-Dichloroethane	8.40	62	110984	57.171	ug/l	98
43) Isopropyl Acetate	8.43	43	116183	55.964	ug/l	99
44) Trichloroethene	9.09	130	119208	59.118	ug/l	96
45) 1,2-Dichloropropane	9.37	63	92606	57.408	ug/l	96
46) Dibromomethane	9.46	93	56717	60.121	ug/l	93
47) Bromodichloromethane	9.65	83	136346	57.513	ug/l	99
48) Methyl methacrylate	9.44	41	51144	53.849	ug/l	94
49) 1,4-Dioxane	9.45	88	19582	1270.666	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	300680	285.822	ug/l	99
52) Toluene	10.39	92	261309	57.287	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	132935	55.366	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	156510	57.077	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	81509	60.083	ug/l	98
56) Ethyl methacrylate	10.65	69	106254	56.791	ug/l	98
57) 1,3-Dichloropropane	10.93	76	135097	59.451	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	212011	255.832	ug/l	96
59) 2-Hexanone	10.97	43	212267	282.860	ug/l	99
60) Dibromochloromethane	11.13	129	103765	60.437	ug/l	99
61) 1,2-Dibromoethane	11.24	107	82671	60.159	ug/l	99
64) Tetrachloroethene	10.86	164	108489	65.763	ug/l	96
65) Chlorobenzene	11.66	112	295669	58.623	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	108841	60.242	ug/l	99
67) Ethyl Benzene	11.73	91	492908	55.354	ug/l	97
68) m/p-Xylenes	11.84	106	390105	111.692	ug/l	98
69) o-Xylene	12.16	106	186236	56.279	ug/l	98
70) Styrene	12.18	104	320698	57.118	ug/l	98
71) Bromoform	12.35	173	59675	59.979	ug/l #	98
73) Isopropylbenzene	12.47	105	505026	53.865	ug/l	100
74) N-amyl acetate	12.27	43	109689	51.053	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	94694	55.528	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	64634m	53.892	ug/l	
77) Bromobenzene	12.75	156	127839	60.930	ug/l	92
78) n-propylbenzene	12.80	91	564177	51.634	ug/l	99
79) 2-Chlorotoluene	12.90	91	335889	53.009	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	422796	53.244	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	28987	50.442	ug/l	98
82) 4-Chlorotoluene	12.99	91	348235	52.948	ug/l	98
83) tert-Butylbenzene	13.21	119	370068	53.352	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	419172	53.001	ug/l	99
85) sec-Butylbenzene	13.38	105	504246	51.947	ug/l	99
86) p-Isopropyltoluene	13.50	119	462913	52.687	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	232448	56.469	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	234228	56.713	ug/l	98
89) n-Butylbenzene	13.83	91	418634	50.093	ug/l	98
90) Hexachloroethane	14.10	117	90794	53.389	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	217423	57.969	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16084	50.723	ug/l	87

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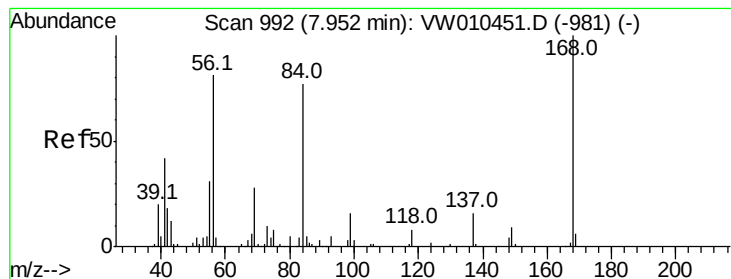
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	156290	61.243	ug/l	99
94) Hexachlorobutadiene	15.24	225	84618	62.068	ug/l	99
95) Naphthalene	15.37	128	320940	59.912	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	139454	63.508	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 160264

Ion Ratio Lower Upper

168 100

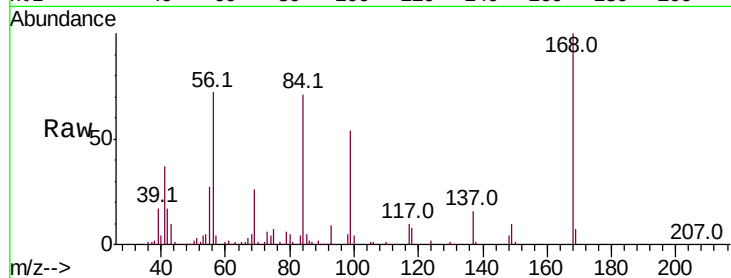
99 54.3 46.1 69.1

Manual Integrations

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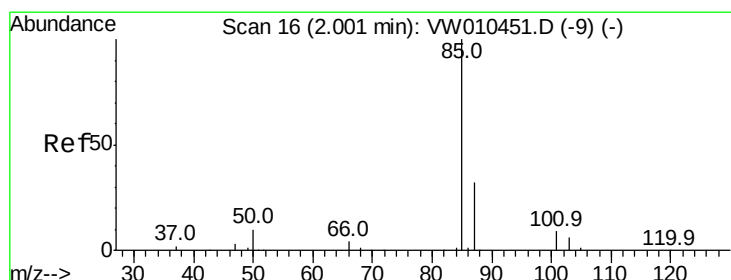
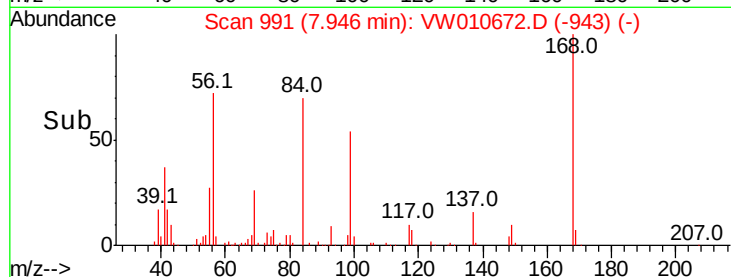
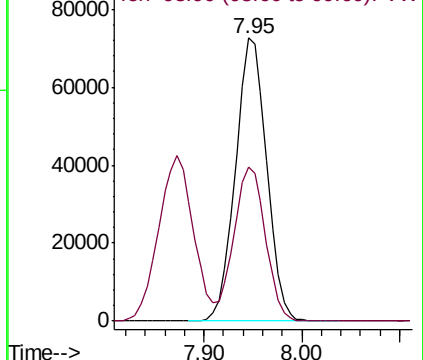
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 44.511 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010672.D

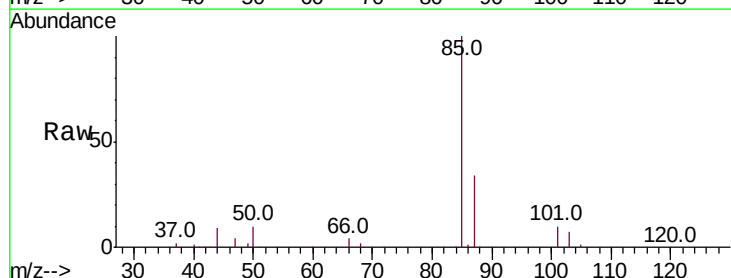
Acq: 03 Jun 2019 21:28

Tgt Ion: 85 Resp: 63595

Ion Ratio Lower Upper

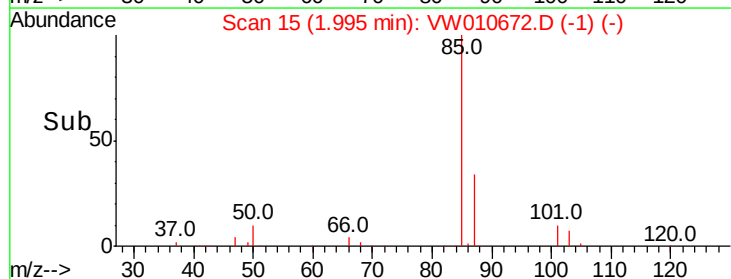
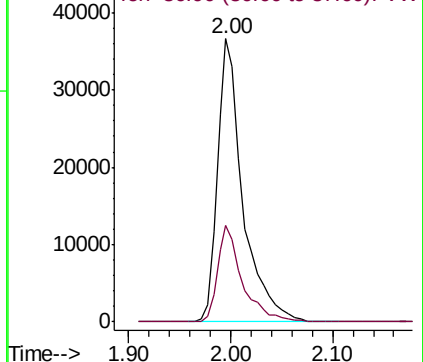
85 100

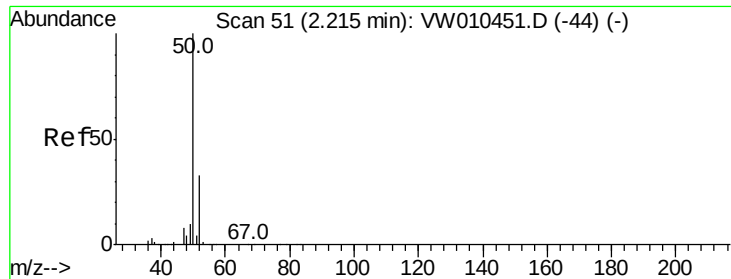
87 34.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 41.715 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 70242

Ion Ratio Lower Upper

50 100

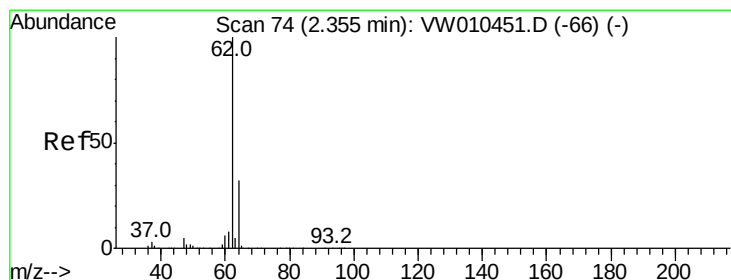
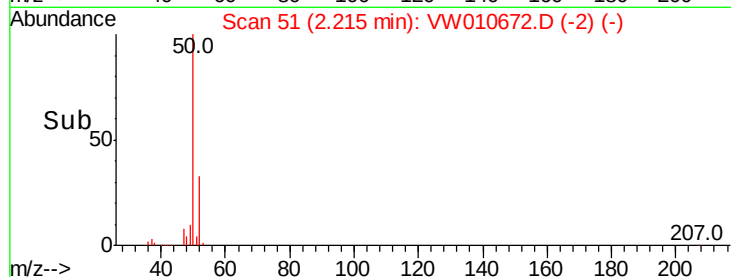
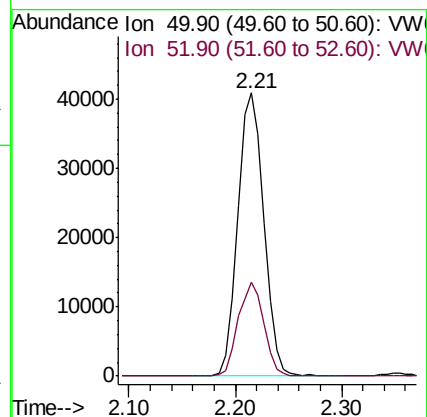
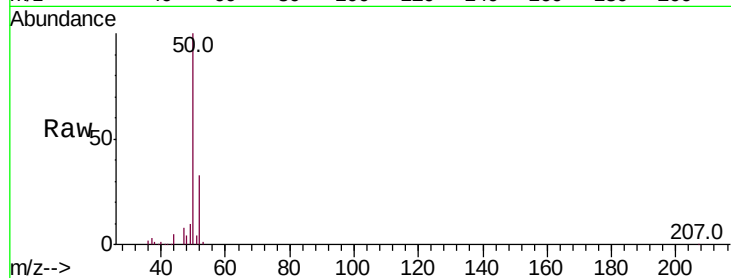
52 33.2 26.3 39.5

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#4

Vinyl Chloride

Concen: 40.745 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW010672.D

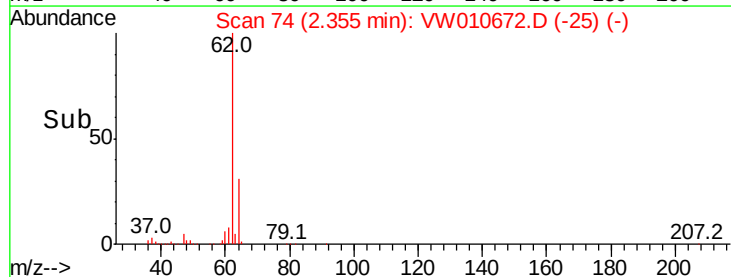
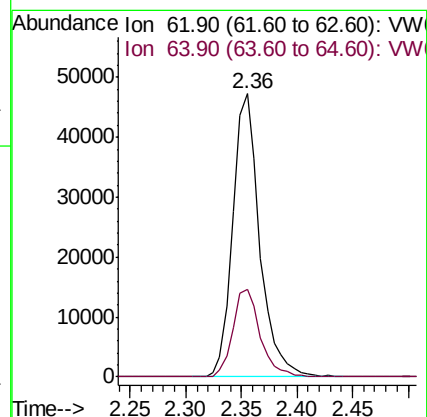
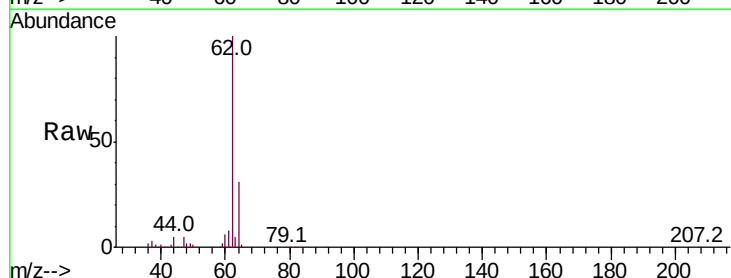
Acq: 03 Jun 2019 21:28

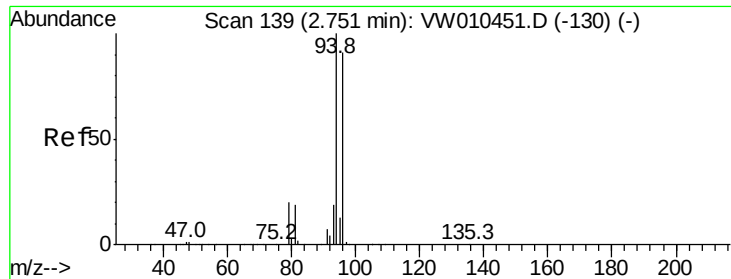
Tgt Ion: 62 Resp: 79471

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.8





#5

Bromomethane

Concen: 44.189 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 59293

Ion Ratio Lower Upper

94 100

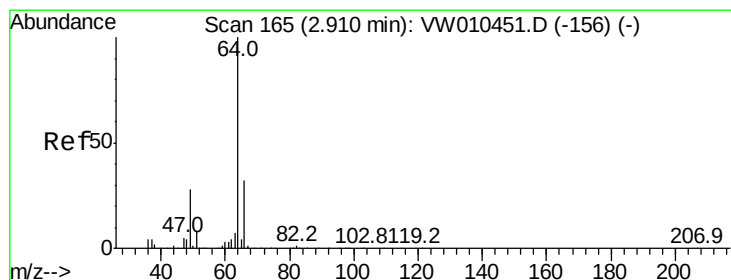
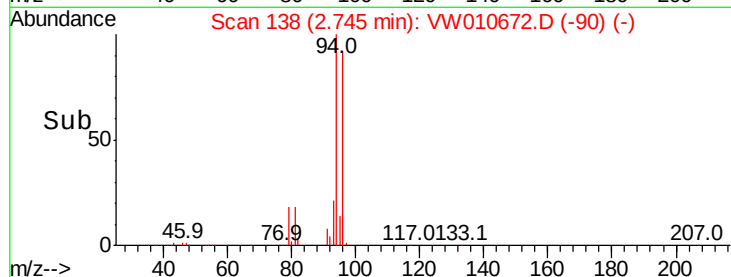
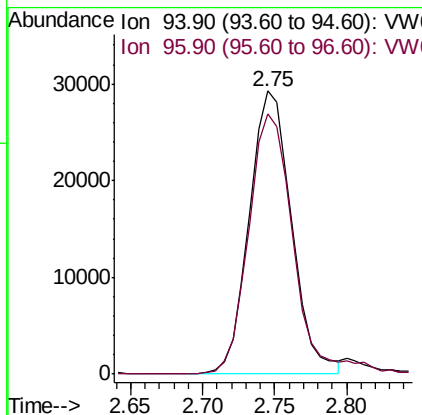
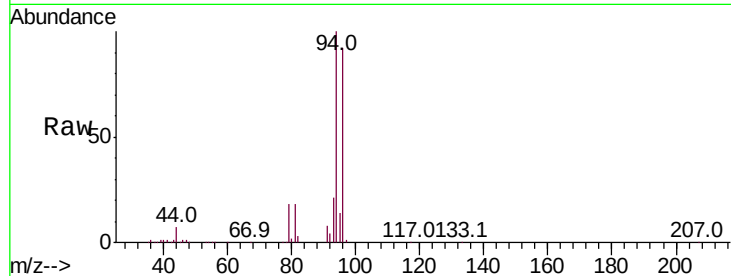
96 92.0 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 46.067 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010672.D

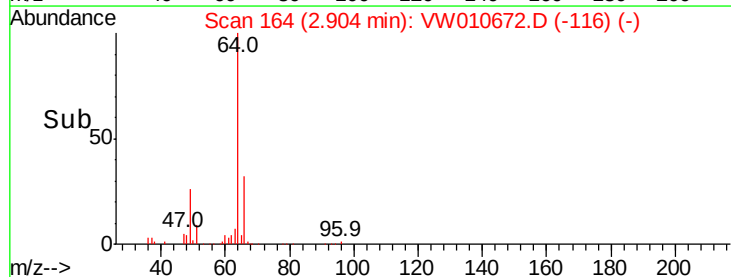
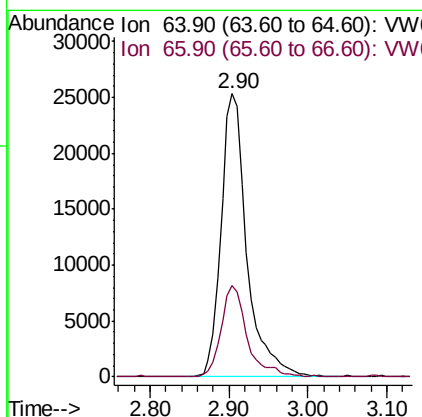
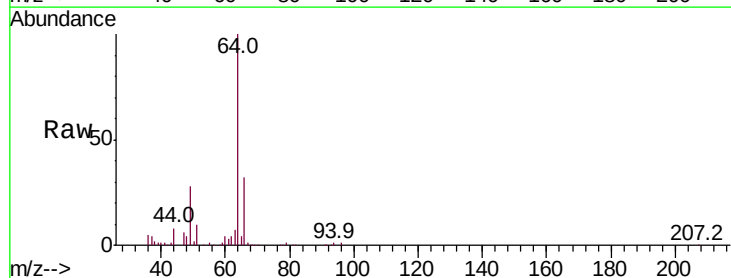
Acq: 03 Jun 2019 21:28

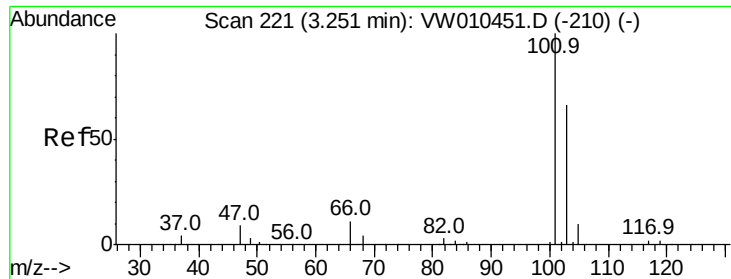
Tgt Ion: 64 Resp: 57679

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3





#7

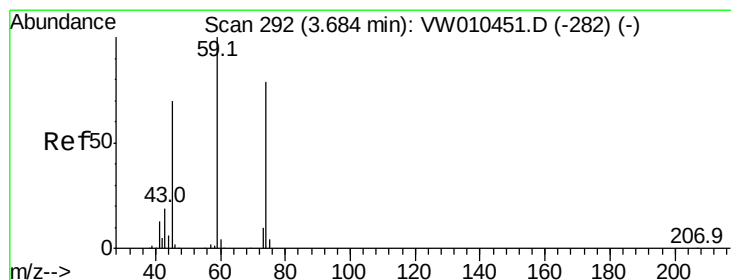
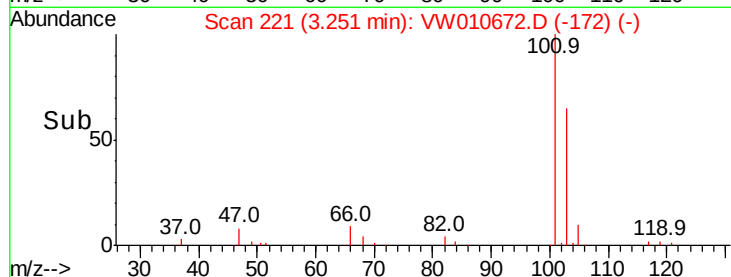
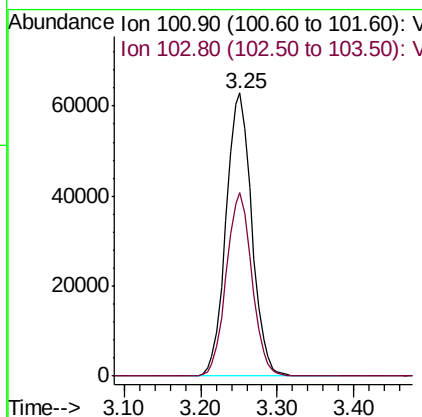
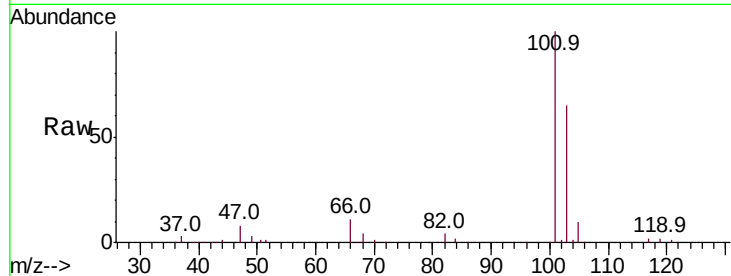
Trichlorofluoromethane
Concen: 50.757 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	53.0	79.4

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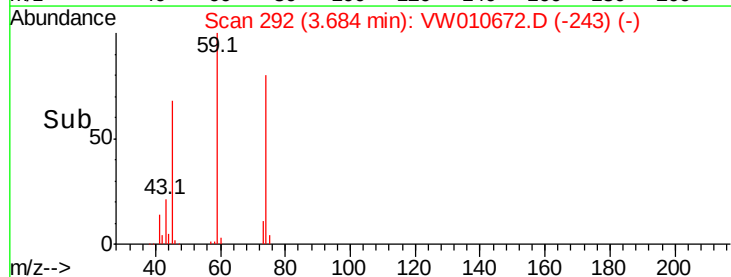
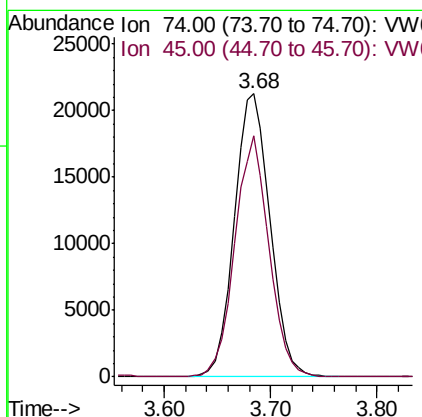
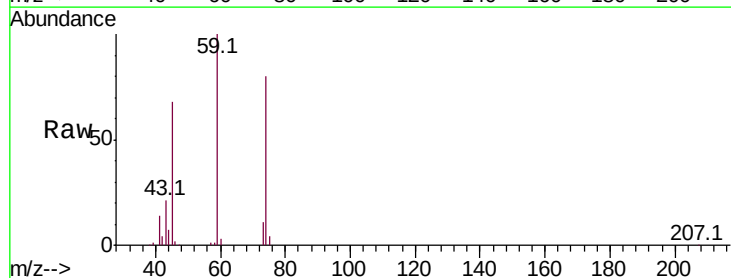
MMDadoda
6/4/2019 12:13:11 PM

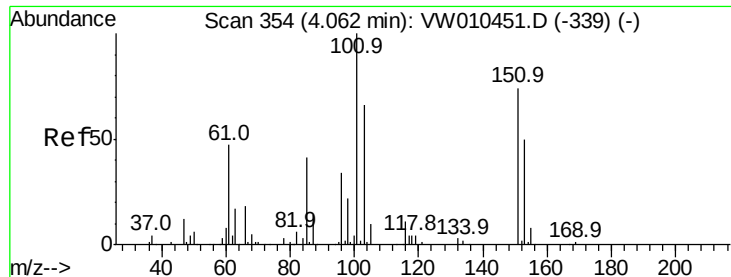


#8

Diethyl Ether
Concen: 54.723 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.5	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.460 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

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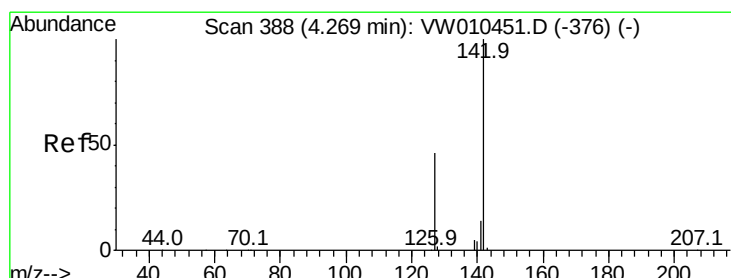
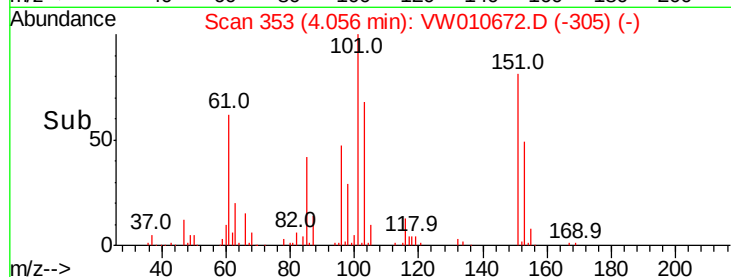
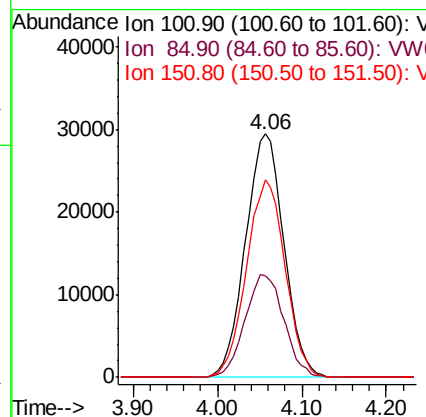
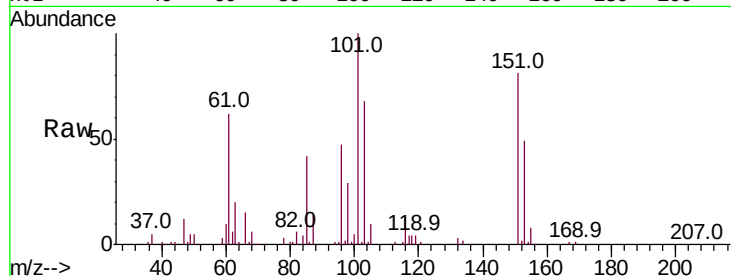
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	91257
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.3	51.5
151	81.7	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 50.480 ug/l

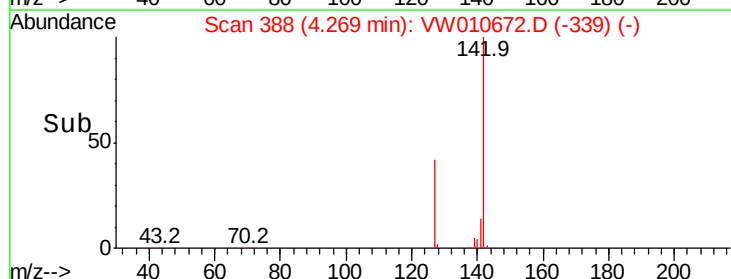
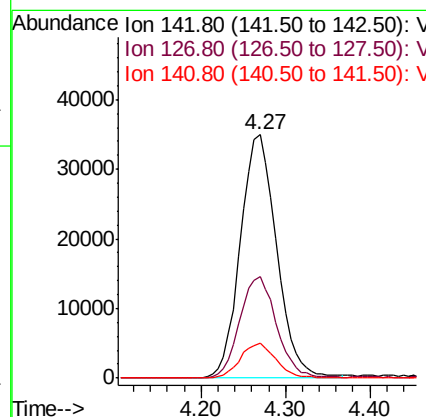
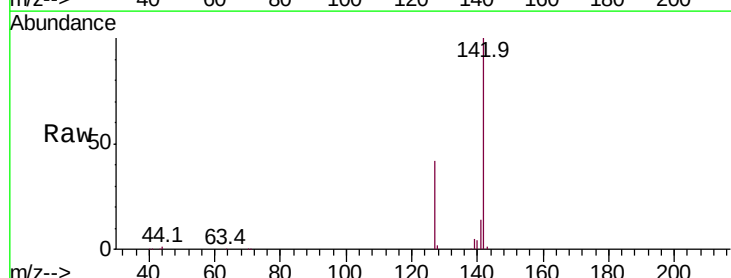
RT: 4.27 min Scan# 388

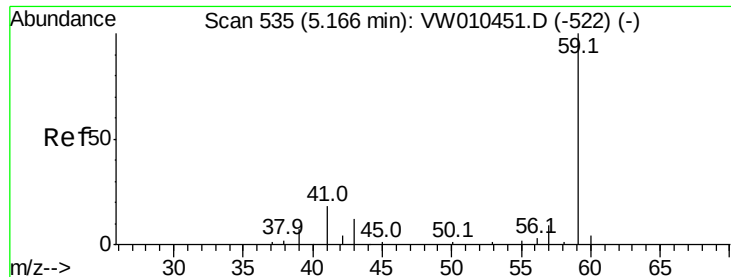
Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Tgt Ion:	142	Resp:	102319
Ion Ratio	Lower	Upper	
142	100		
127	42.2	36.1	54.1
141	13.9	11.3	16.9





#11

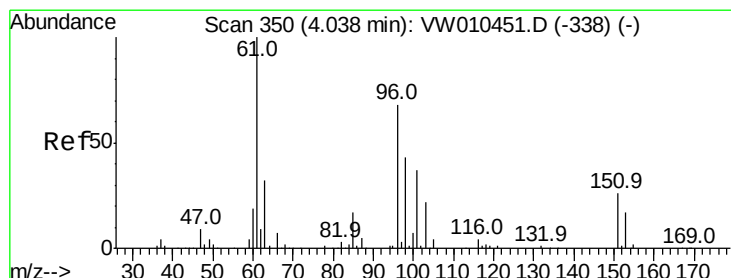
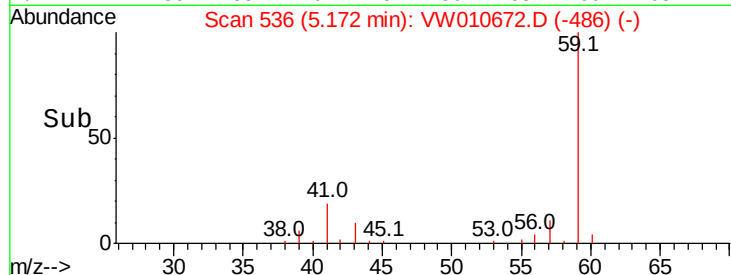
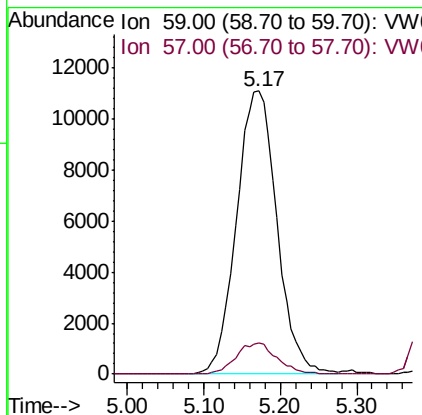
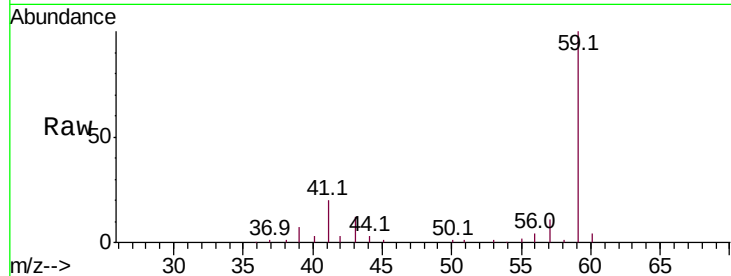
Tert butyl alcohol
 Concen: 273.762 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW010672.D
 Acq: 03 Jun 2019 21:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	11.1	Resp:	40734	Lower	Upper
59	100								
57		11.1						8.8	13.2

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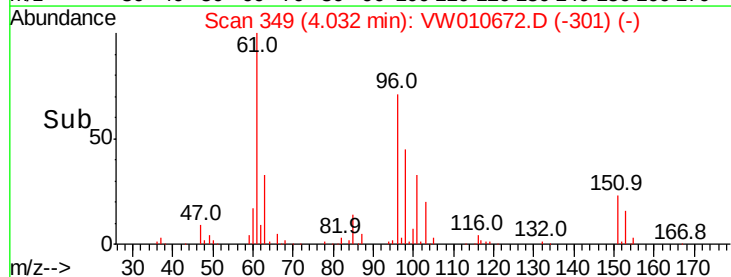
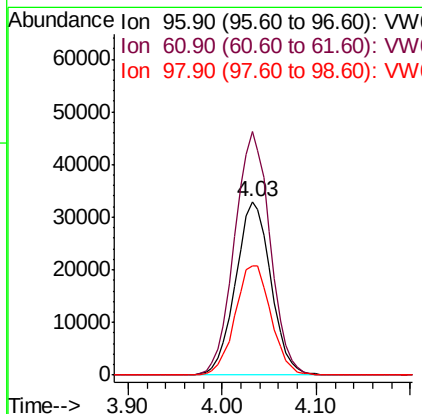
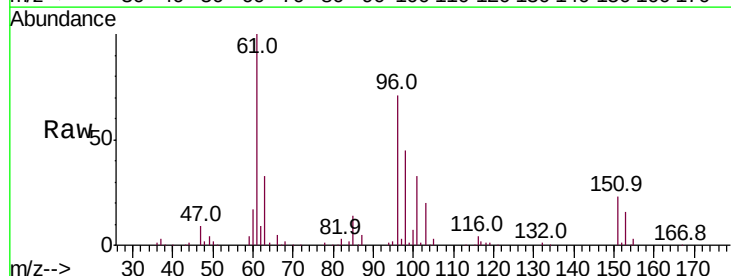
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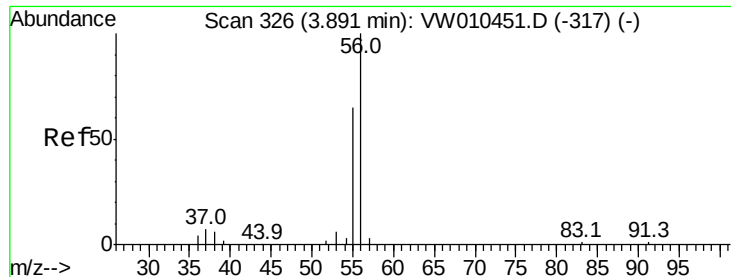


#12

1,1-Dichloroethene
 Concen: 50.907 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010672.D
 Acq: 03 Jun 2019 21:28

Tgt Ion	96	61	98	Ratio	100	140.2	62.9	Resp:	86175	Lower	Upper
96	100										
61		140.2								118.3	177.5
98		62.9								51.0	76.6





#13

Acrolein

Concen: 218.388 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 19179

Ion Ratio Lower Upper

56 100

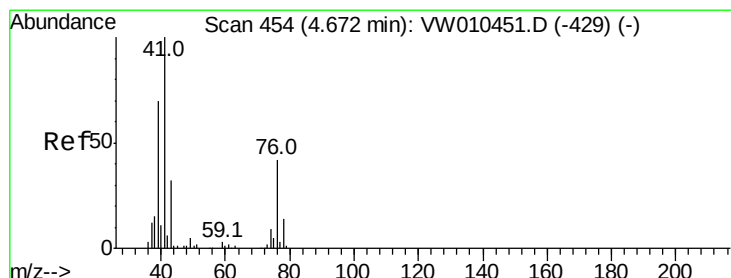
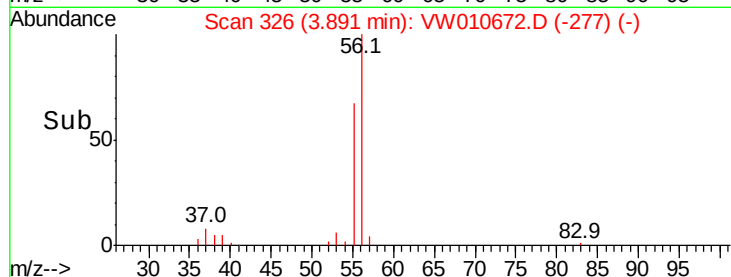
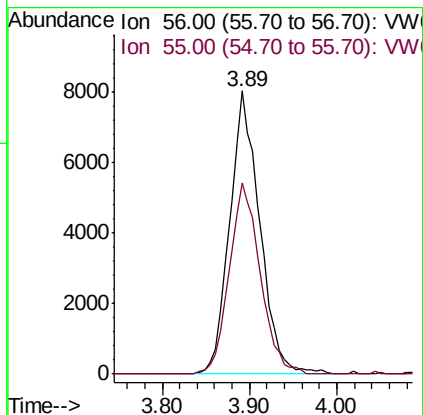
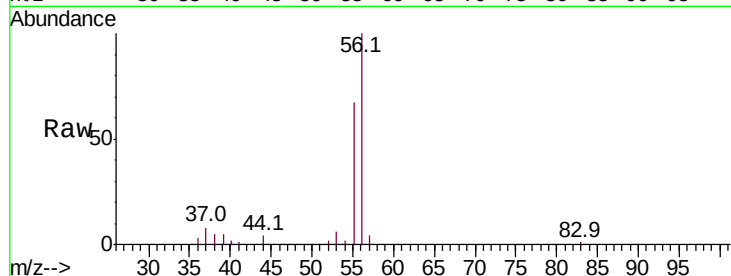
55 69.6 57.9 86.9

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#14

Allyl chloride

Concen: 49.649 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

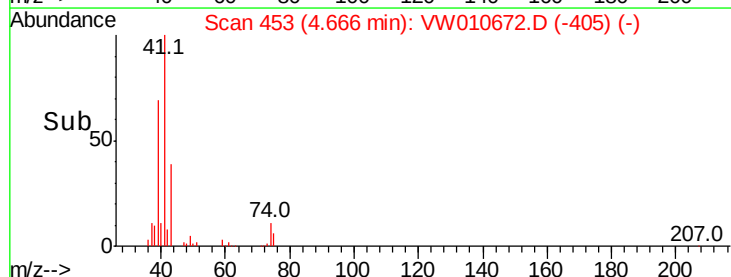
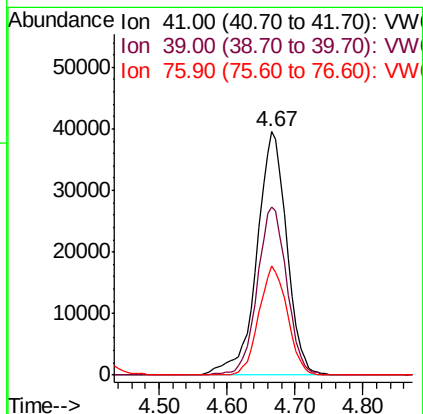
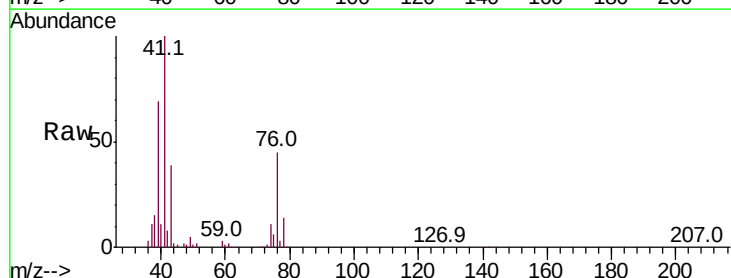
Tgt Ion: 41 Resp: 121656

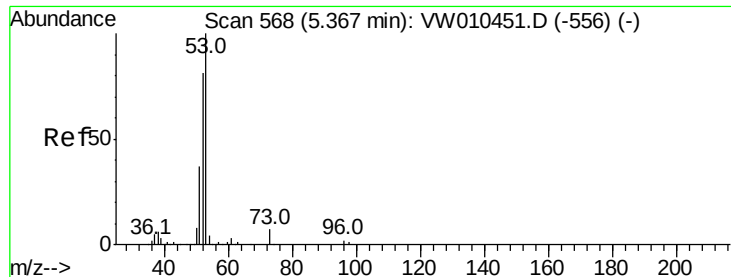
Ion Ratio Lower Upper

41 100

39 68.3 55.0 82.4

76 42.4 32.8 49.2





#15

Acrylonitrile

Concen: 270.473 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

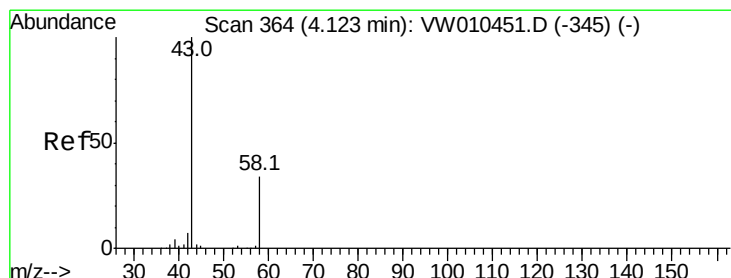
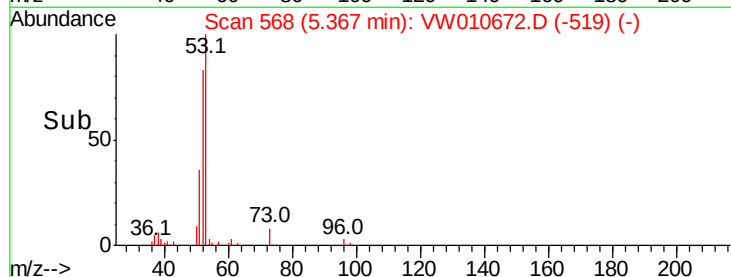
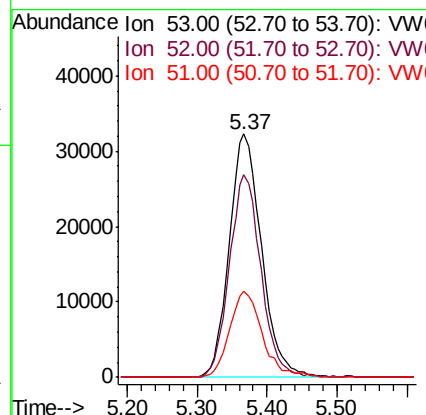
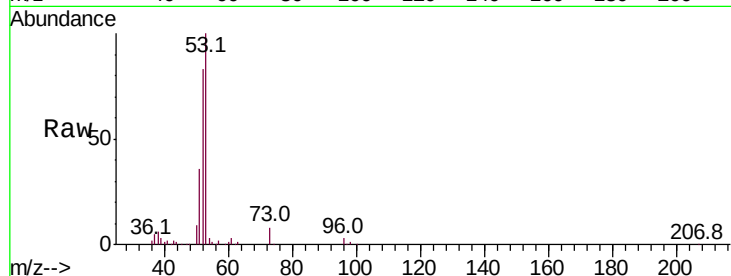
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	103397
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.6	98.4
51	36.0	29.5	44.3

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#16

Acetone

Concen: 278.551 ug/l

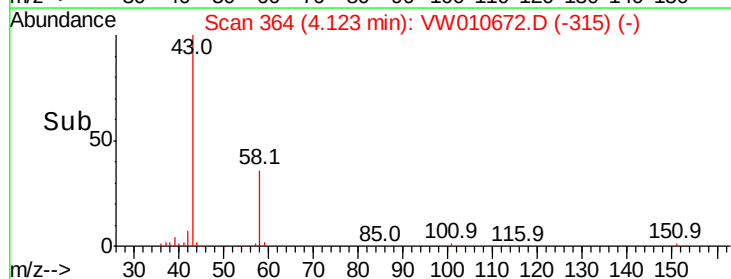
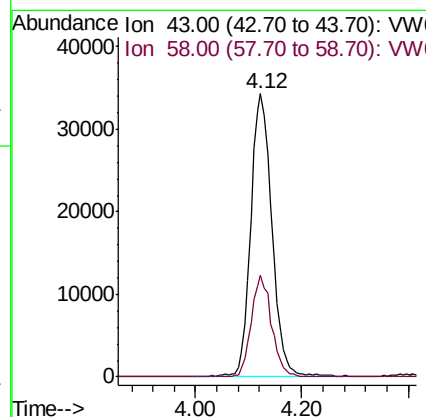
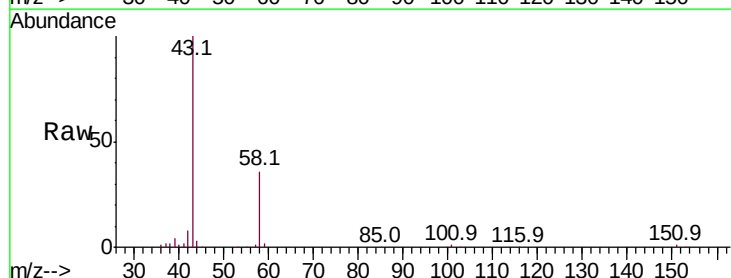
RT: 4.12 min Scan# 364

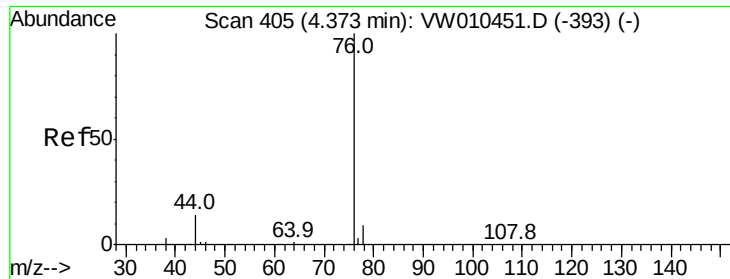
Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Tgt Ion:	43	Resp:	94055
Ion	Ratio	Lower	Upper
43	100		
58	36.0	27.0	40.4





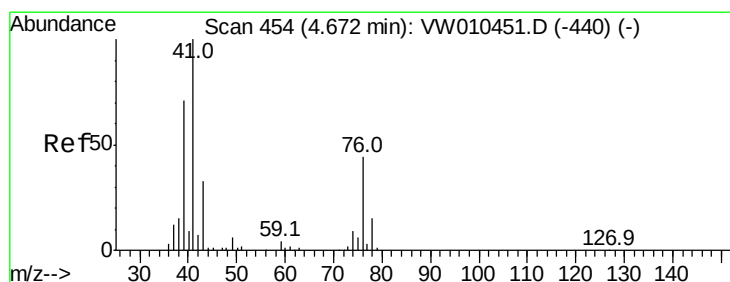
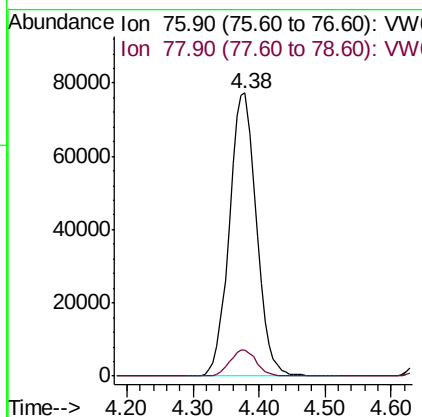
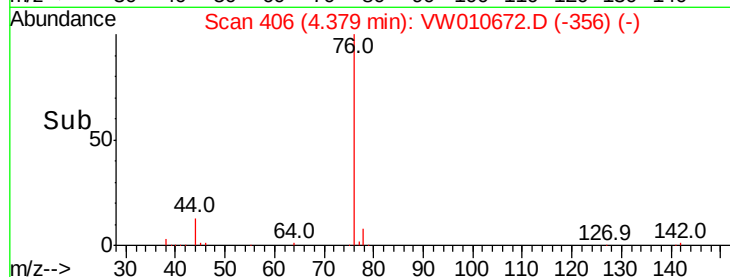
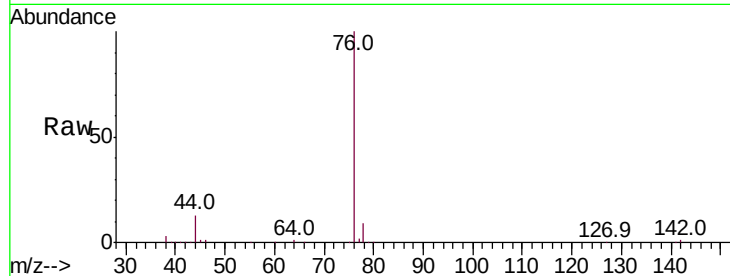
#17
Carbon Disulfide
Concen: 43.385 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

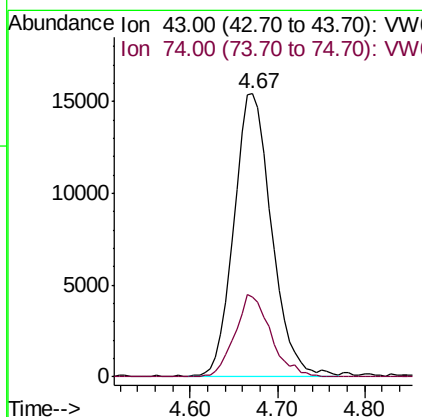
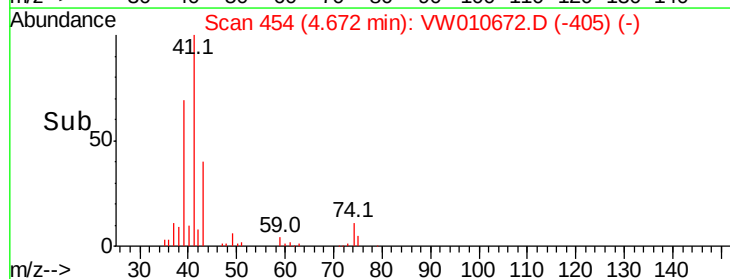
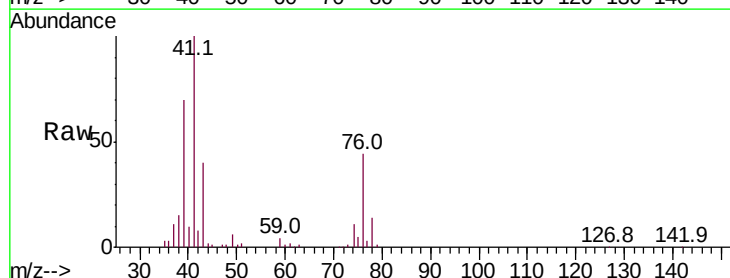
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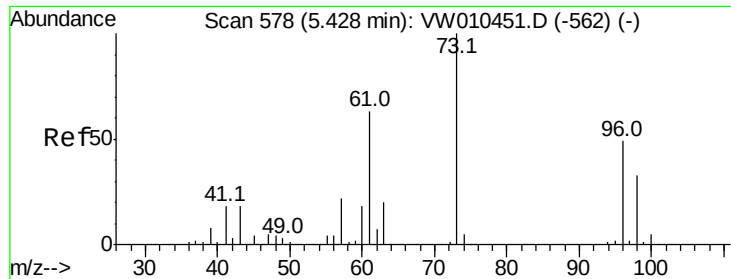
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#18
Methyl Acetate
Concen: 56.330 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.6	21.6	32.4





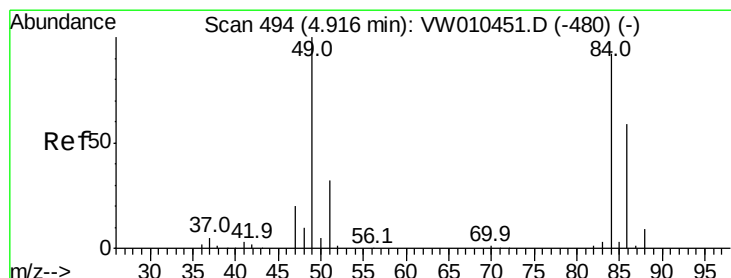
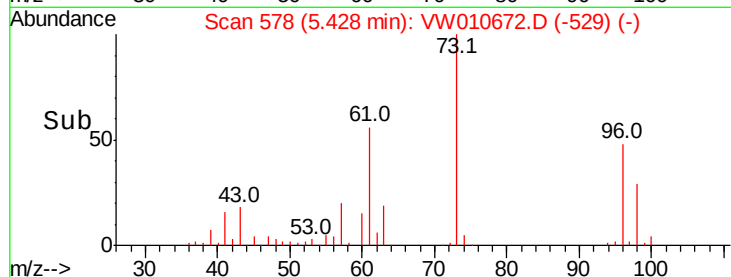
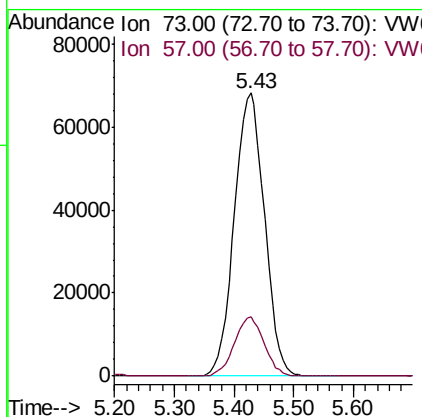
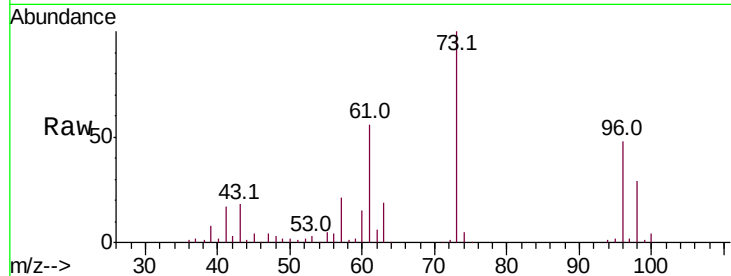
#19
Methyl tert-butyl Ether
Concen: 55.660 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.4	26.0

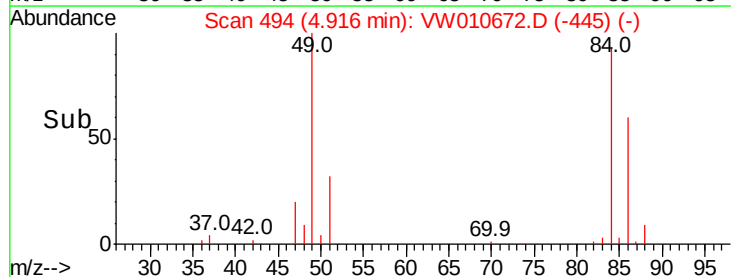
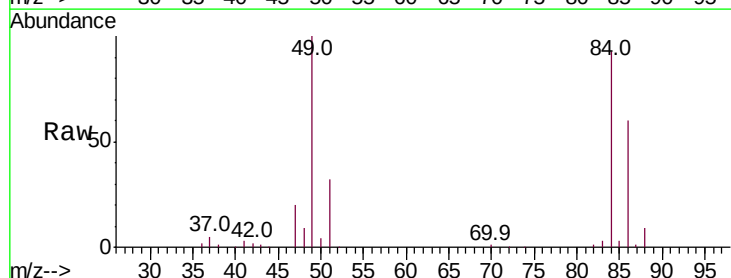
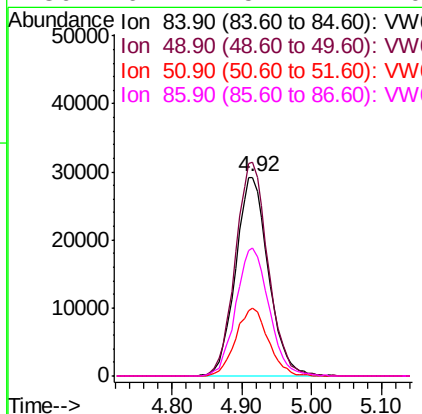
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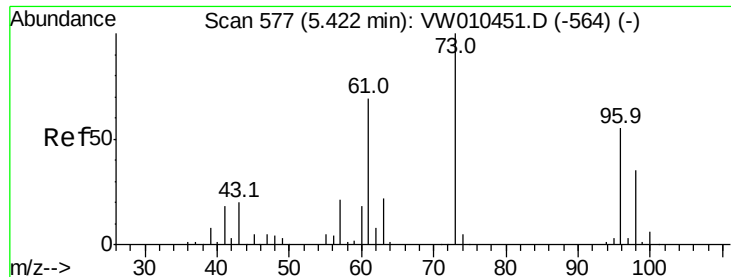
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#20
Methylene Chloride
Concen: 48.010 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.4	87.2	130.8
51	33.8	27.7	41.5
86	64.2	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 51.637 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tot Ion: 96 Resp: 100263

Ion Ratio Lower Upper

96 100

61 119.2 101.4 152.0

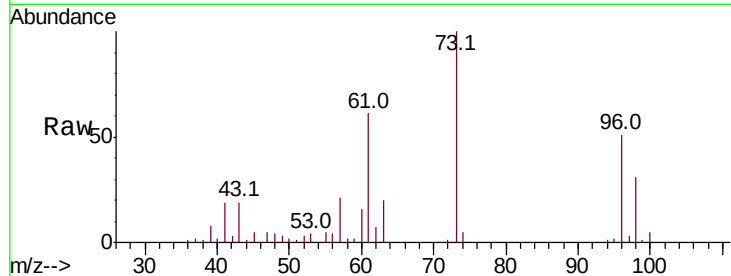
98 61.5 50.6 76.0

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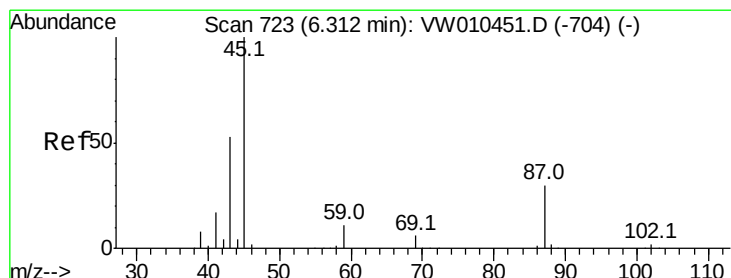
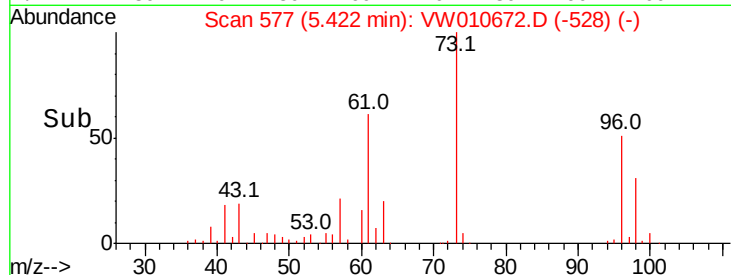
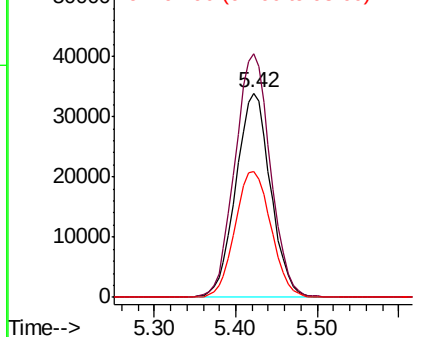
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 52.794 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Tgt Ion: 45 Resp: 265257

Ion Ratio Lower Upper

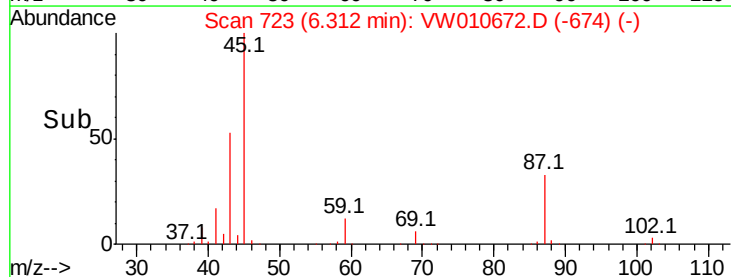
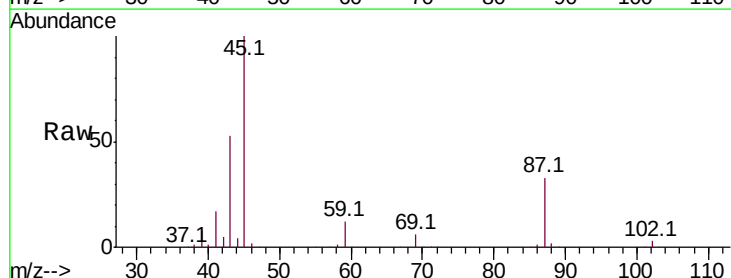
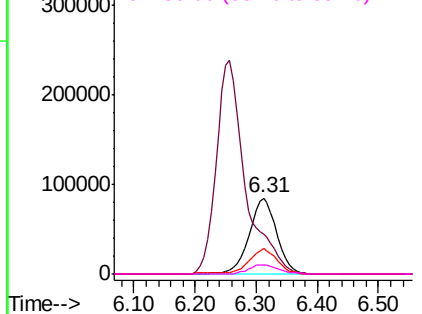
45 100

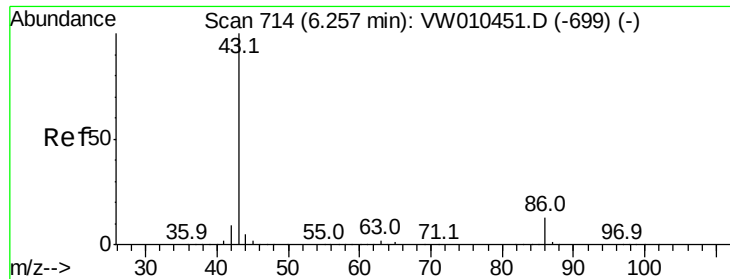
43 52.9 42.9 64.3

87 33.2 24.6 36.8

59 11.8 9.4 14.0

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 262.646 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 788267

Ion Ratio Lower Upper

43 100

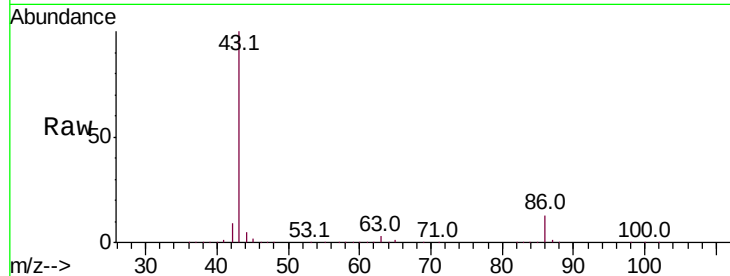
86 12.8 10.3 15.5

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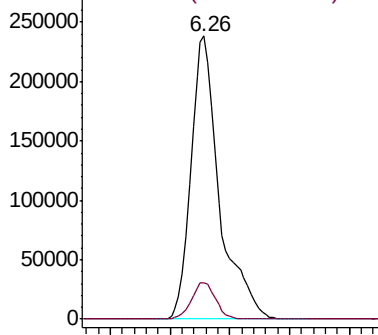
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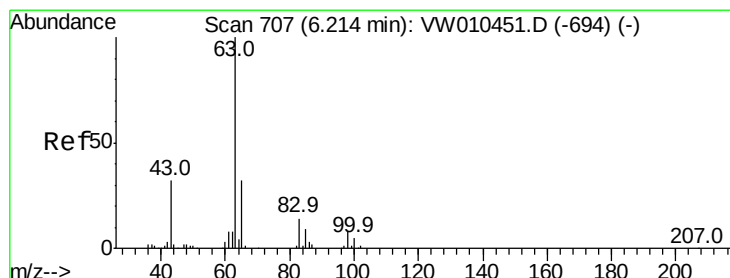
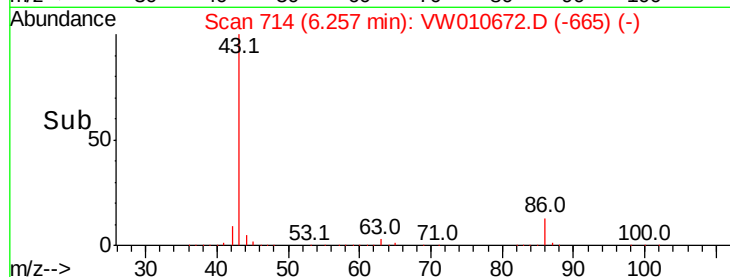


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 53.820 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

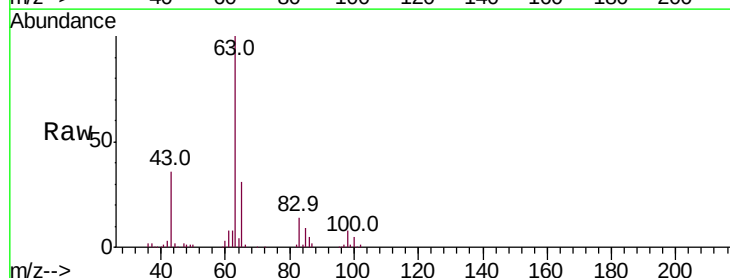
Tgt Ion: 63 Resp: 161369

Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.2

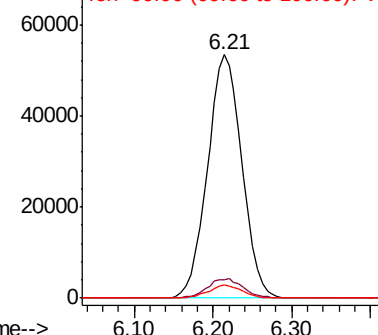
100 5.3 2.5 7.4



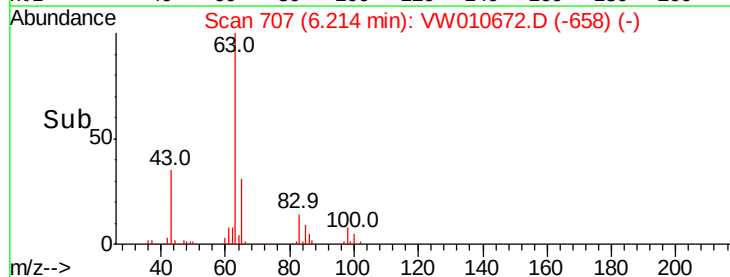
Abundance Ion 62.90 (62.60 to 63.60): VW

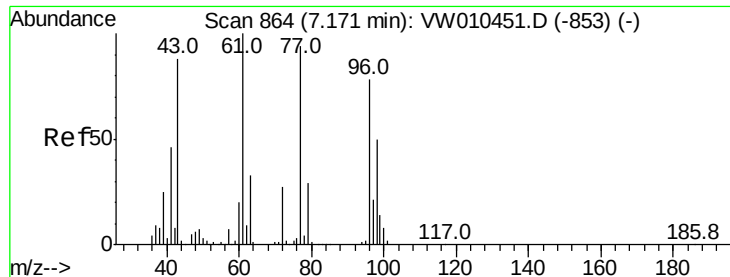
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 282.960 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 136732

Ion Ratio Lower Upper

43 100

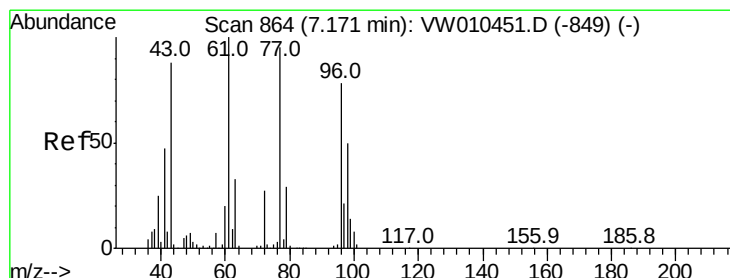
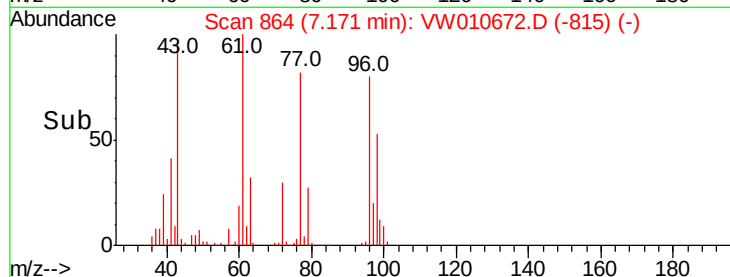
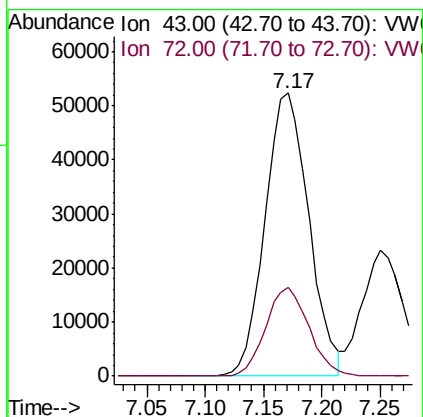
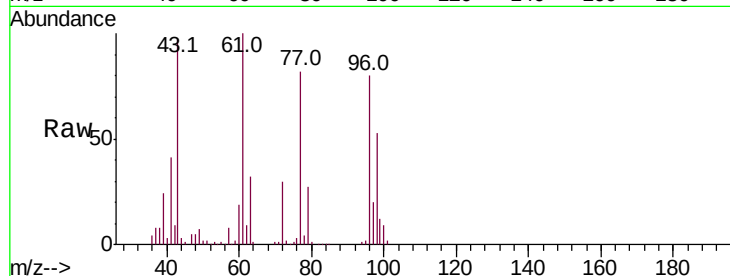
72 31.3 24.1 36.1

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#26

2,2-Dichloropropane

Concen: 47.511 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010672.D

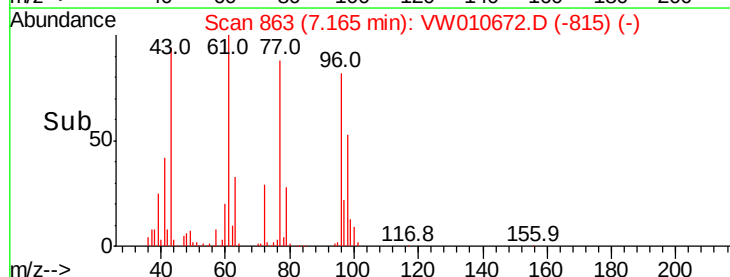
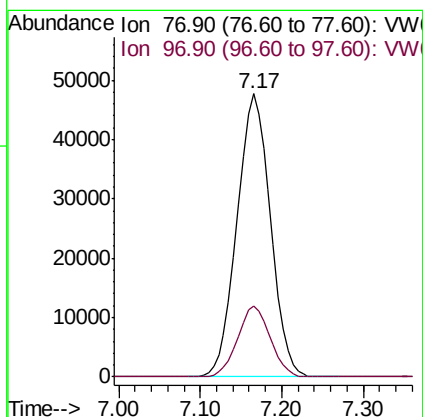
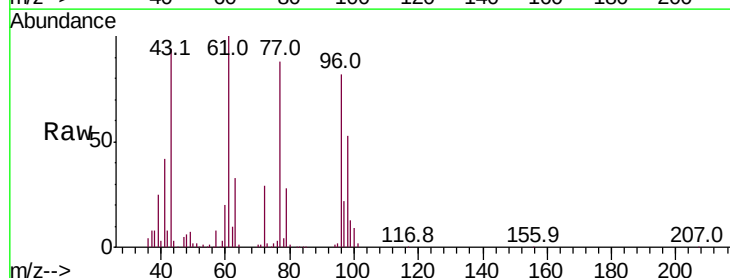
Acq: 03 Jun 2019 21:28

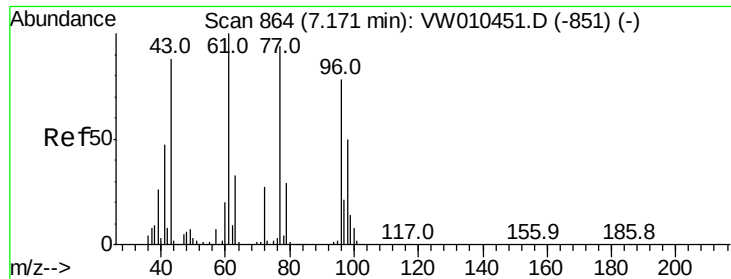
Tgt Ion: 77 Resp: 135692

Ion Ratio Lower Upper

77 100

97 24.2 11.7 35.0





#27

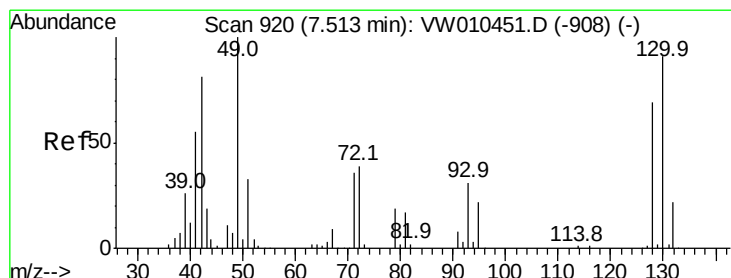
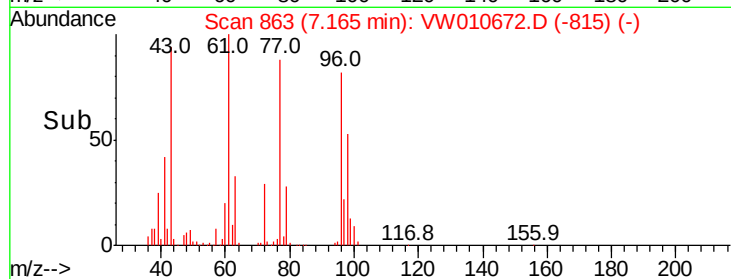
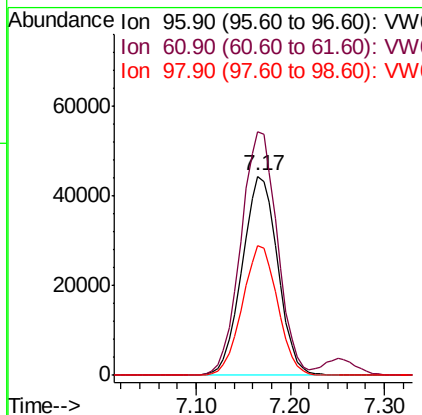
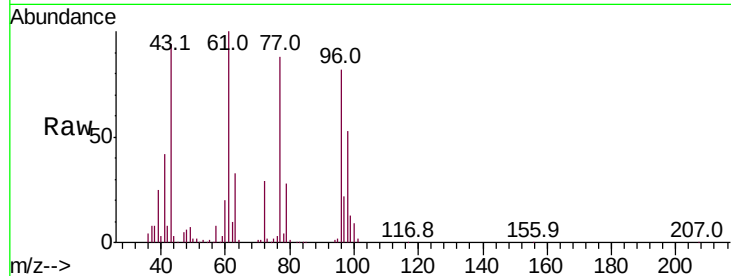
cis-1,2-Dichloroethene
 Concen: 55.316 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010672.D
 Acq: 03 Jun 2019 21:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.7	0.0	265.4
98	64.5	0.0	129.4

Manual Integrations
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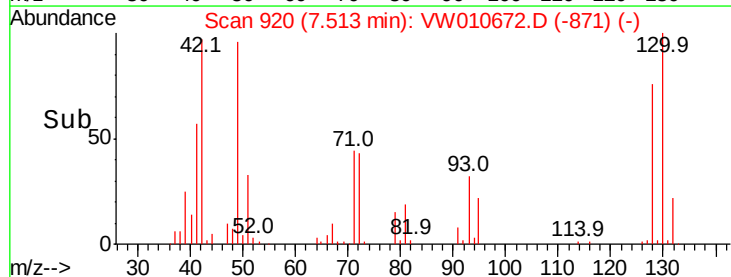
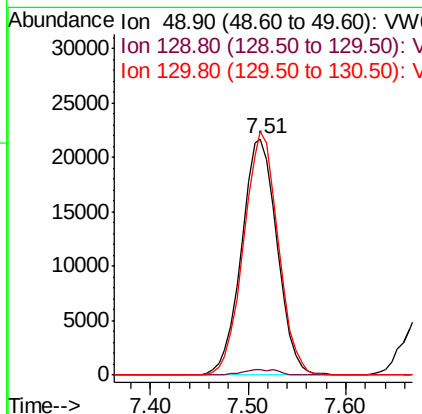
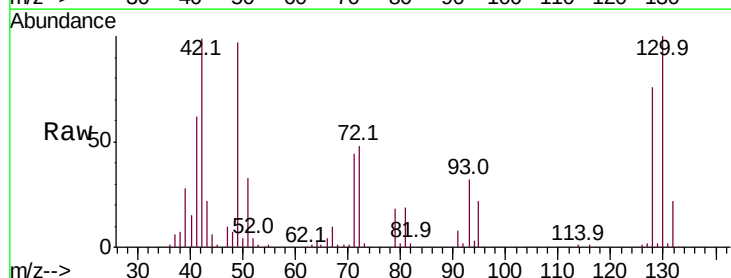
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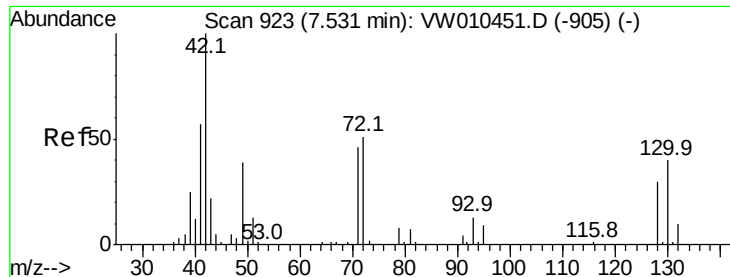


#28

Bromochloromethane
 Concen: 51.265 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW010672.D
 Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	99.7	71.2	106.8





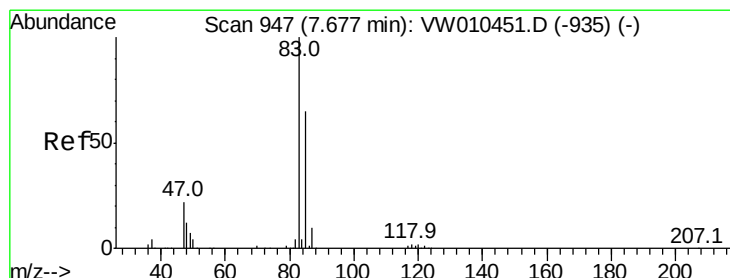
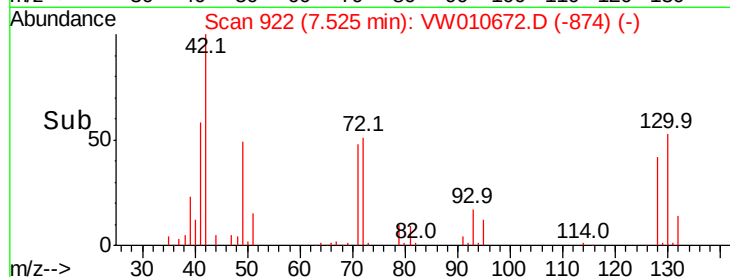
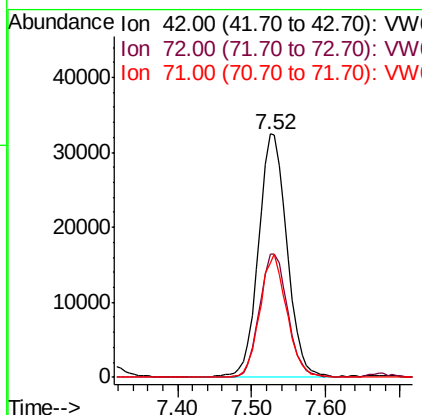
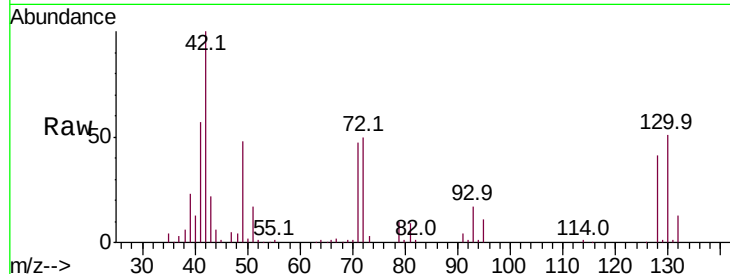
#29
Tetrahydrofuran
Concen: 266.215 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.2	38.5	57.7
71	47.7	36.5	54.7

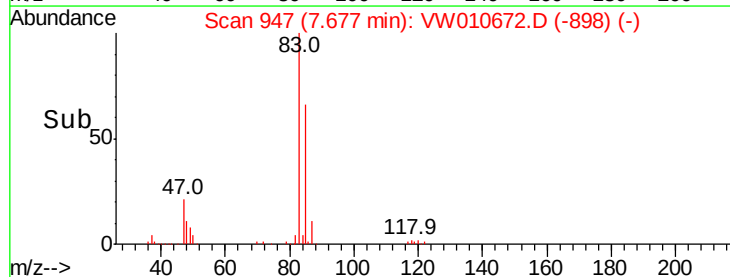
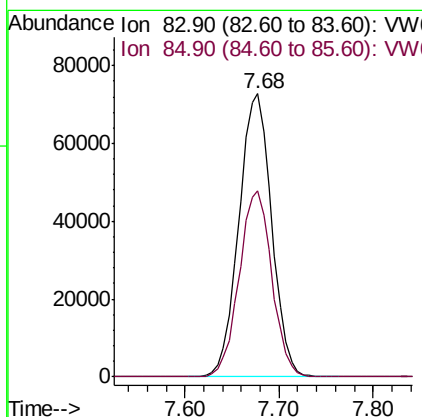
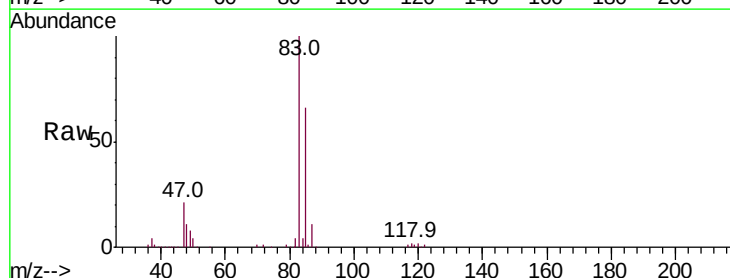
Manual Integrations
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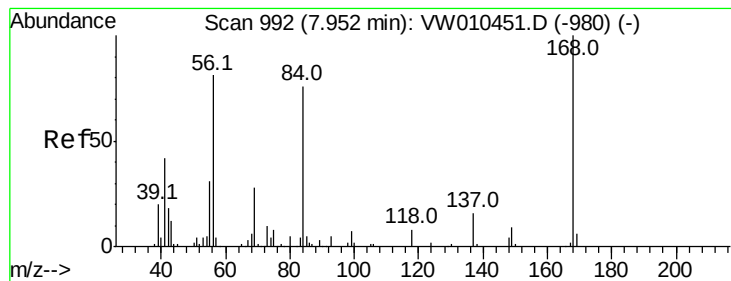
MMDadoda
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#30
Chloroform
Concen: 54.688 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.4





#31

Cyclohexane

Concen: 45.284 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 142224

Ion Ratio Lower Upper

56 100

69 35.4 28.2 42.2

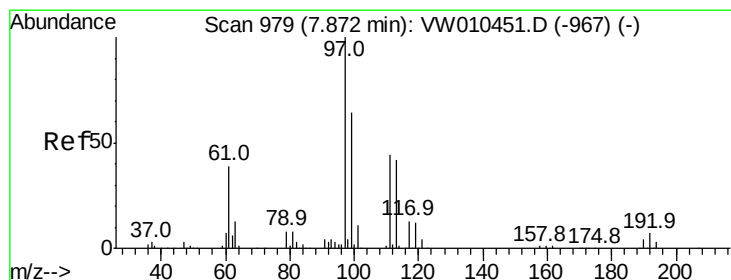
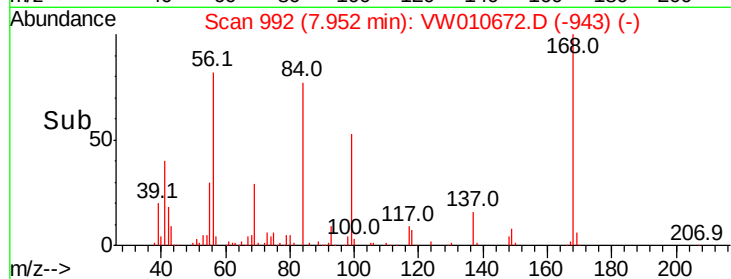
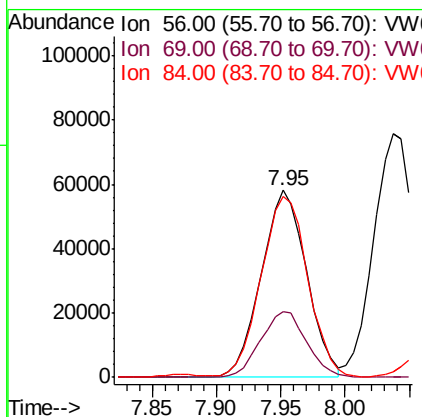
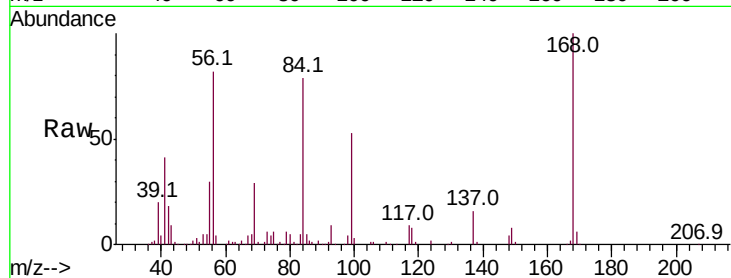
84 95.0 75.8 113.8

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 52.502 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

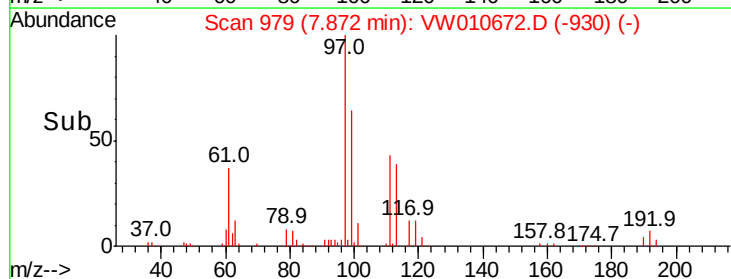
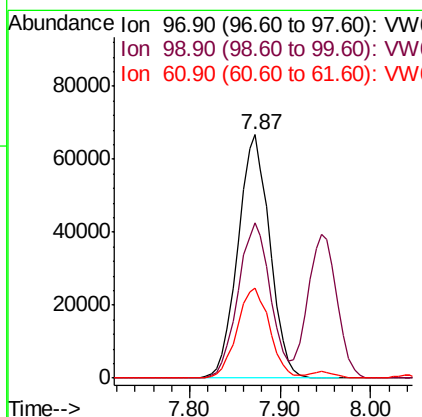
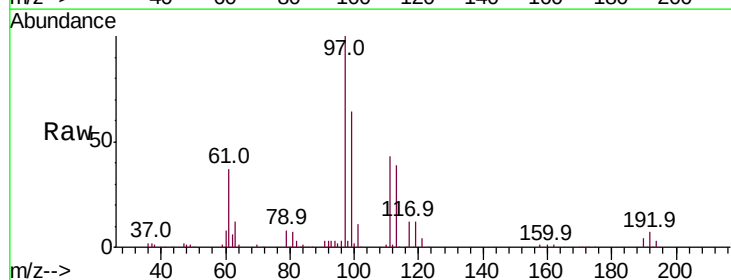
Tgt Ion: 97 Resp: 162288

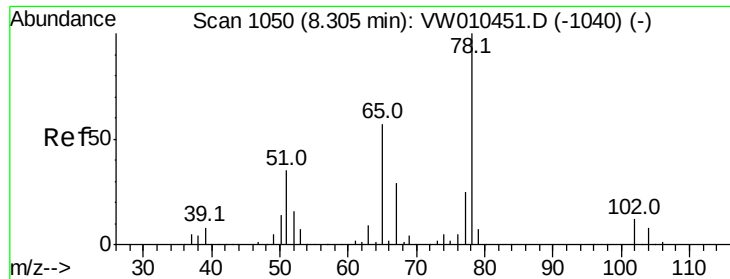
Ion Ratio Lower Upper

97 100

99 64.5 50.8 76.2

61 38.0 32.1 48.1





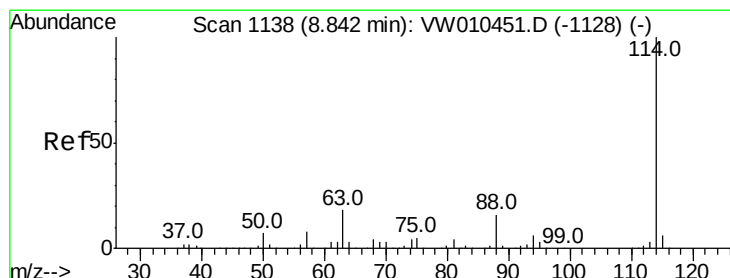
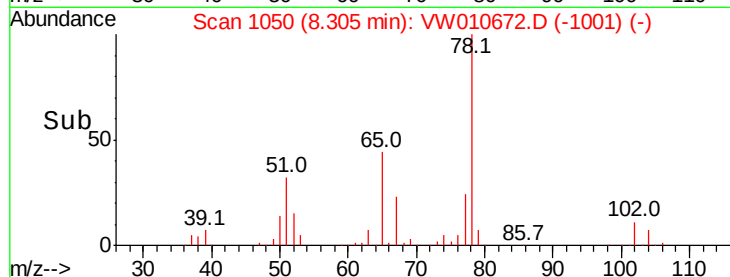
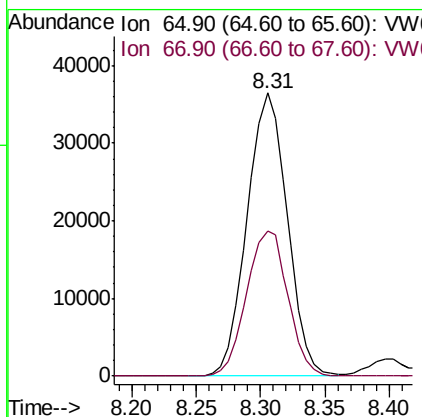
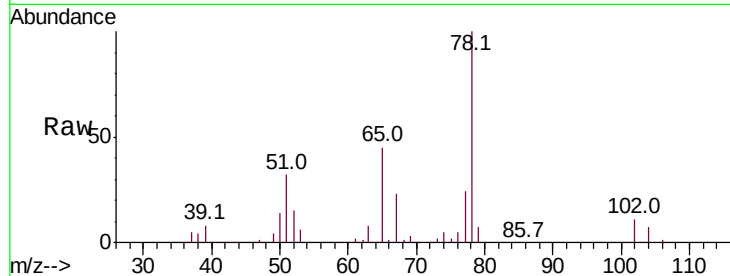
#33
 1,2-Dichloroethane-d4
 Concen: 47.719 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010672.D
 Acq: 03 Jun 2019 21:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	78937		
67	52.6	0.0	103.6	

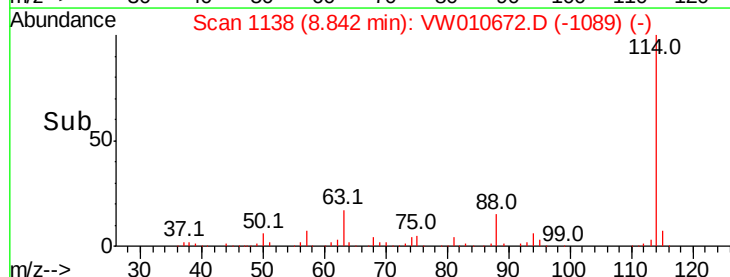
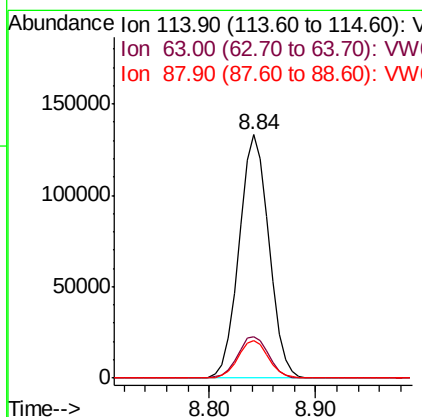
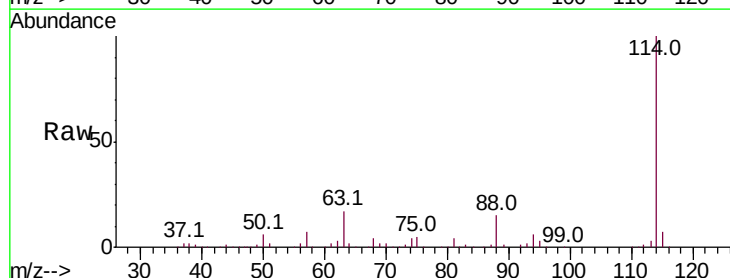
Manual Integrations
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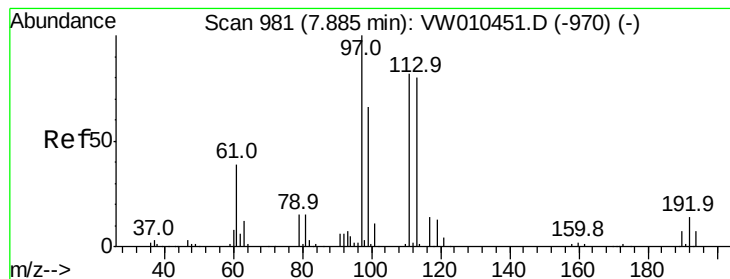
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010672.D
 Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	262327		
63	16.9	0.0	36.0	
88	15.2	0.0	32.0	





#35

Dibromofluoromethane

Concen: 52.321 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 83282

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

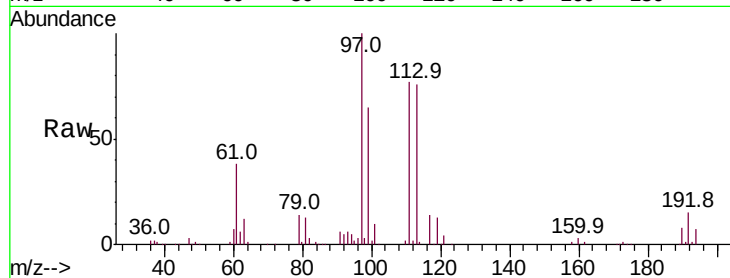
192 20.0 14.3 21.5

Manual Integrations

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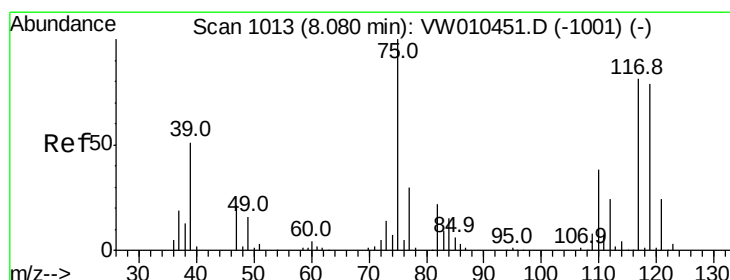
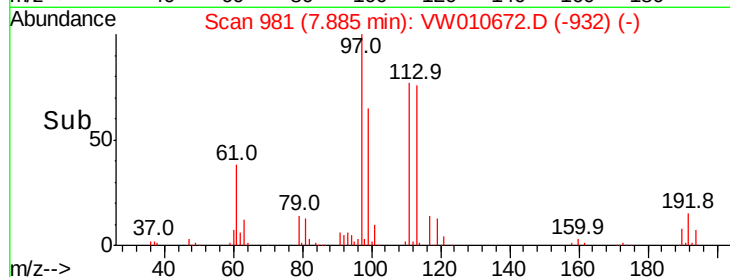
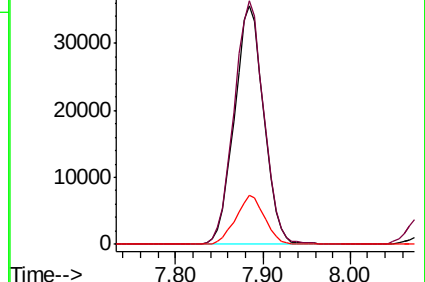
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.369 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

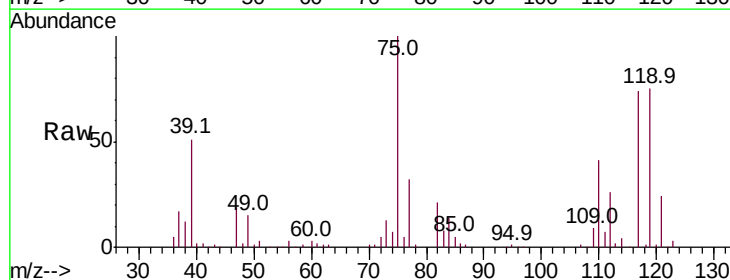
Tgt Ion: 75 Resp: 130417

Ion Ratio Lower Upper

75 100

110 40.0 19.2 57.6

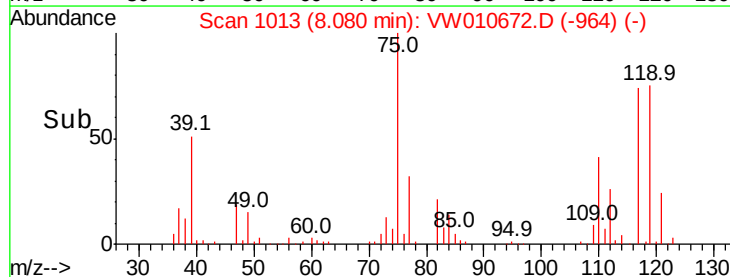
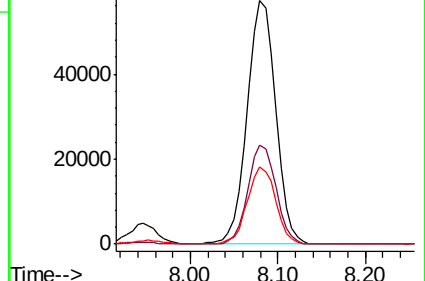
77 31.4 25.2 37.8

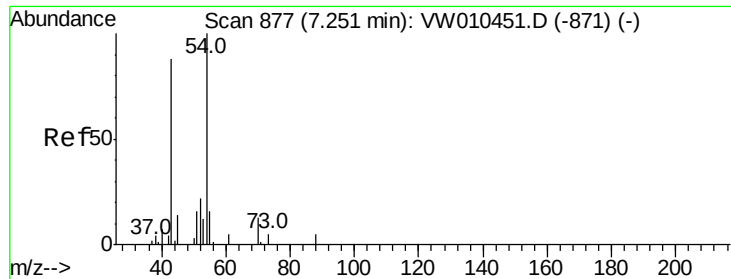


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





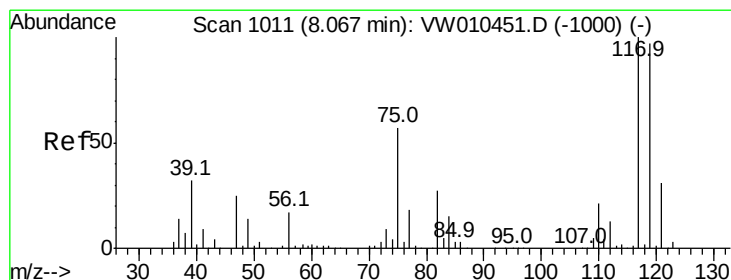
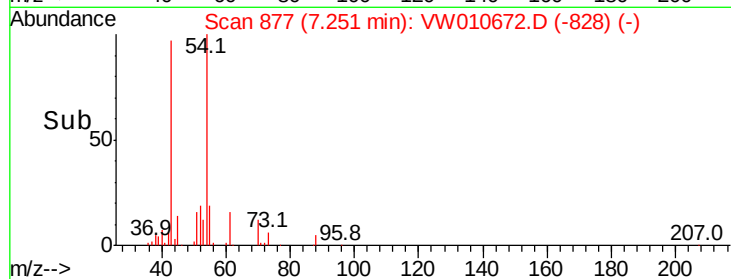
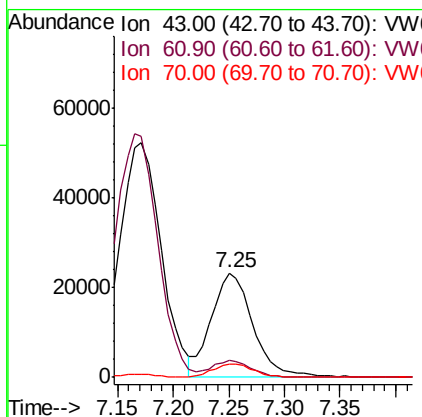
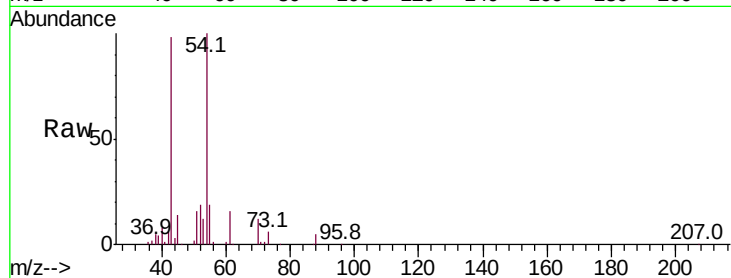
#37
Ethyl Acetate
Concen: 57.241 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.2	16.8
70	12.7	9.9	14.9

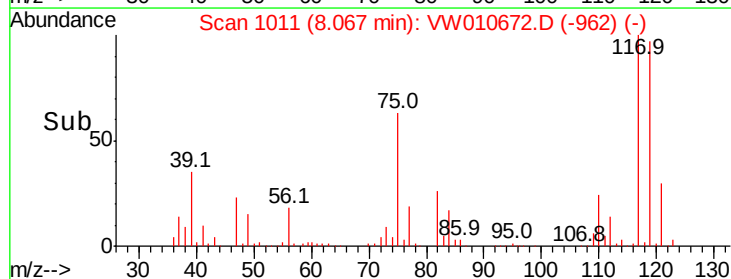
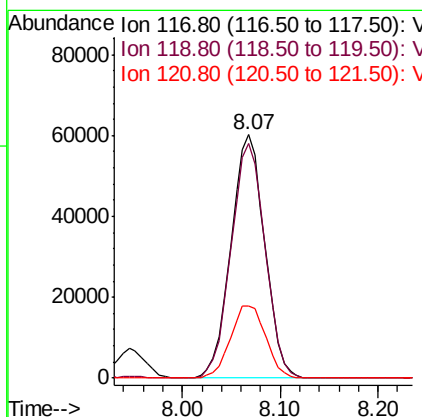
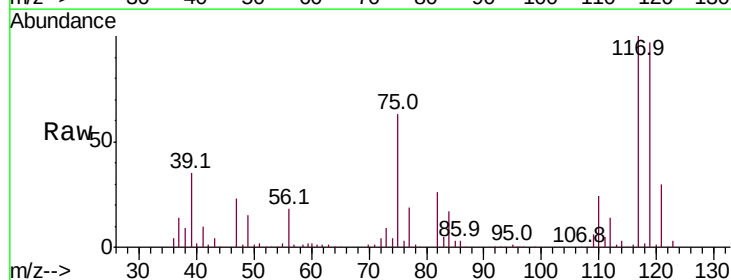
Manual Integrations
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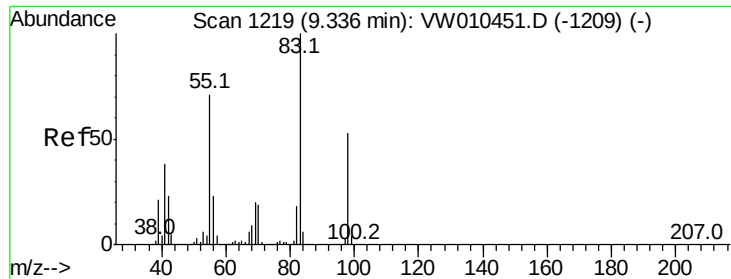
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#38
Carbon Tetrachloride
Concen: 54.547 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.4	116.0
121	29.6	25.0	37.6





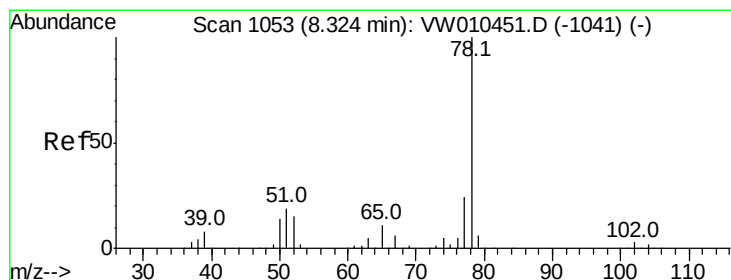
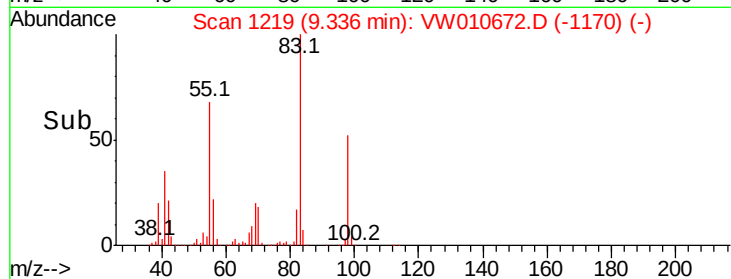
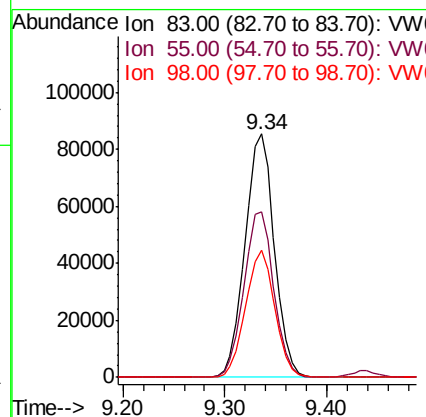
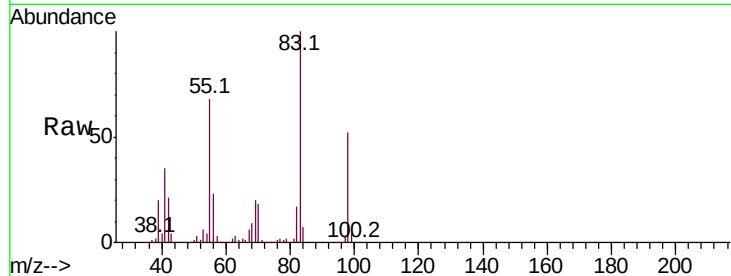
#39
Methylvlcyclohexane
Concen: 52.197 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.0	57.0	85.6
98	52.1	42.0	63.0

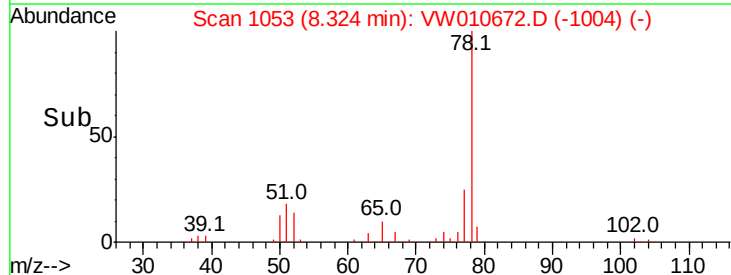
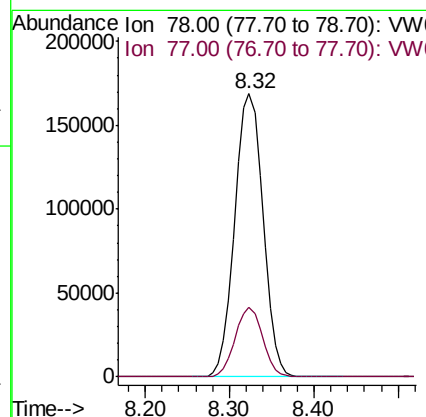
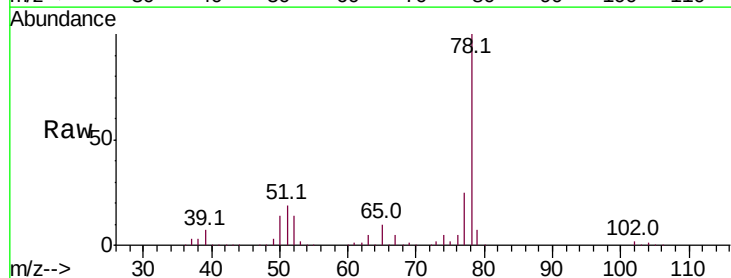
Manual Integrations
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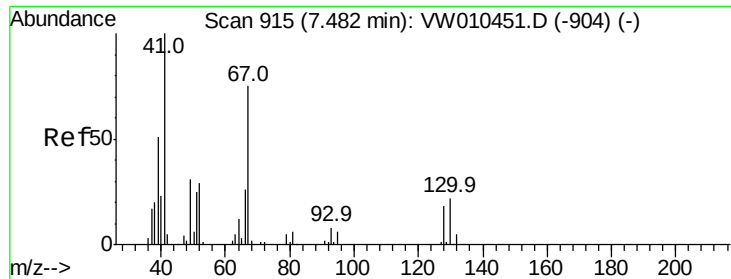
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#40
Benzene
Concen: 56.317 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.9	28.3





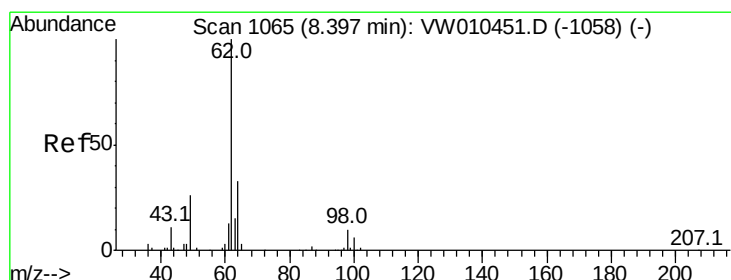
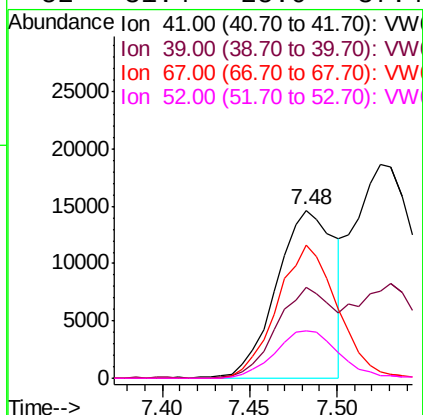
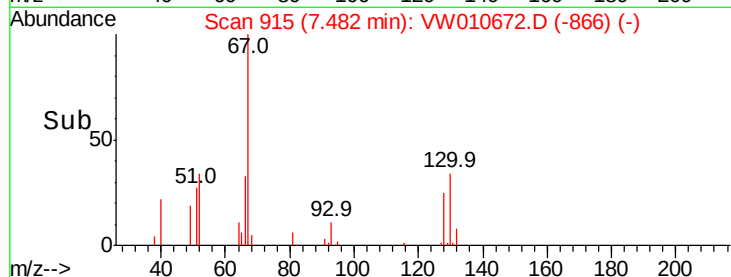
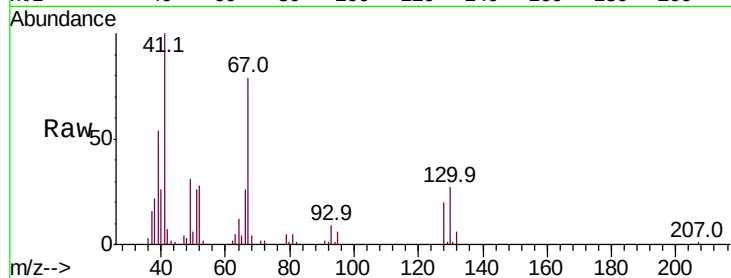
#41
Methacrylonitrile
Concen: 55.000 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	33960
Ion	Ratio	Lower	Upper
41	100		
39	53.0	47.4	71.2
67	82.3	65.5	98.3
52	31.4	25.0	37.4

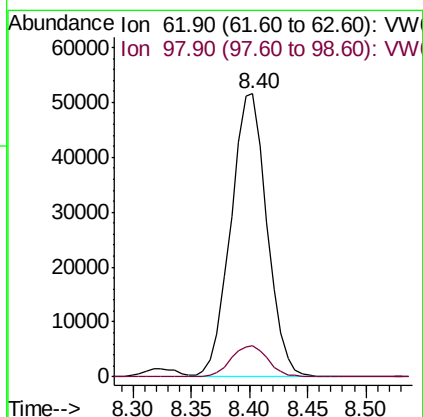
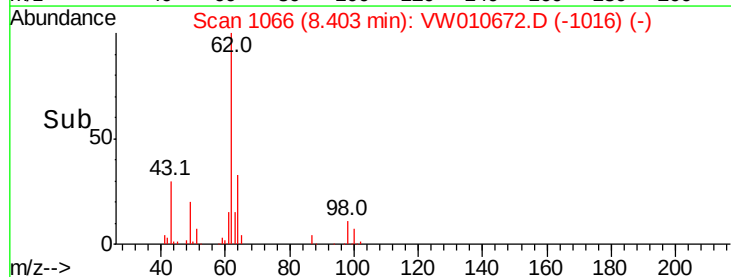
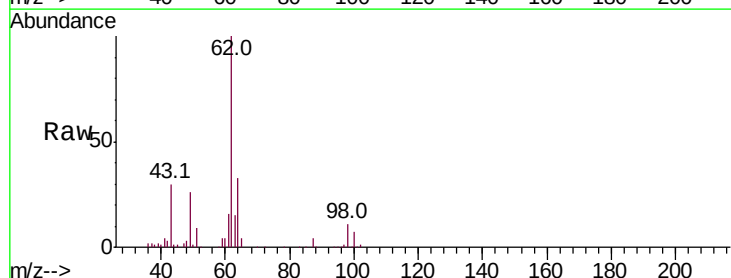
Manual Integrations
APPROVED

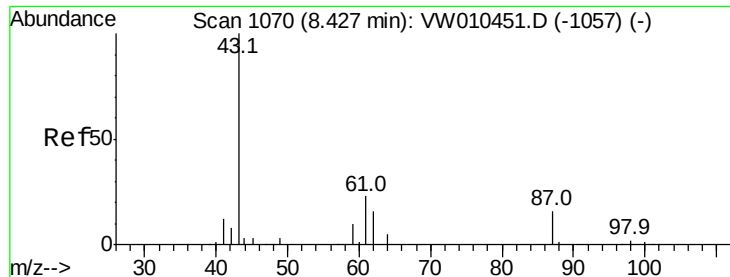
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#42
1,2-Dichloroethane
Concen: 57.171 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion	62	Resp	110984
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 55.964 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

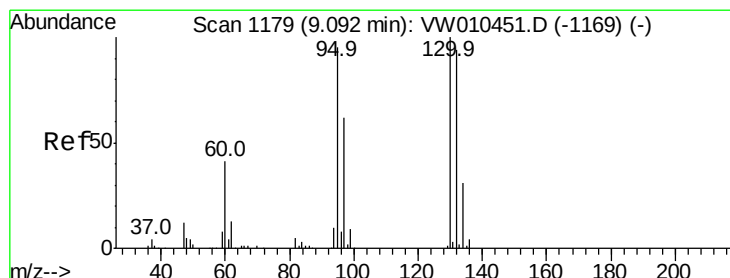
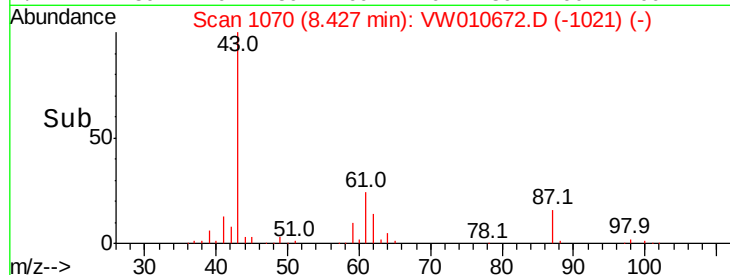
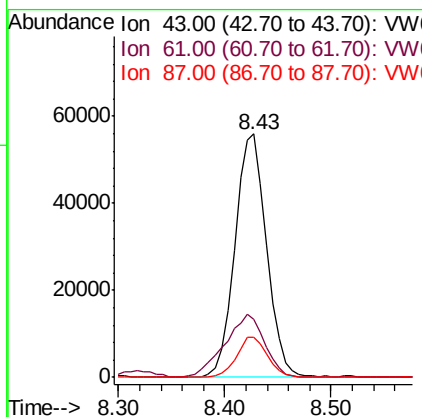
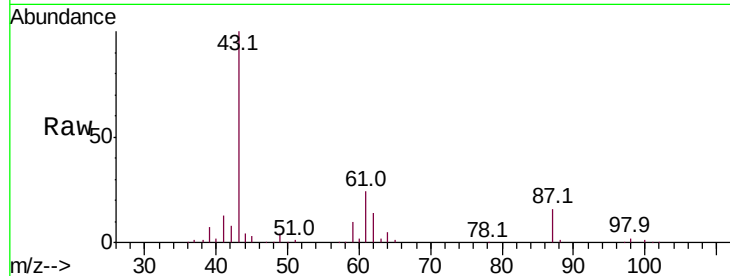
ClientSampled :

VSTDCCC050EC

Tot Ion:	43	Resp:	116183
Ion	Ratio	Lower	Upper
43	100		
61	32.4	25.4	38.2
87	16.2	12.7	19.1

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#44

Trichloroethene

Concen: 59.118 ug/l

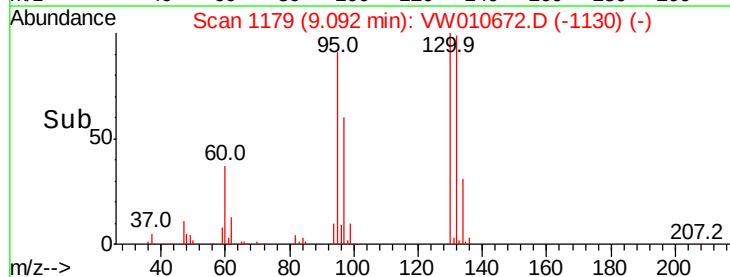
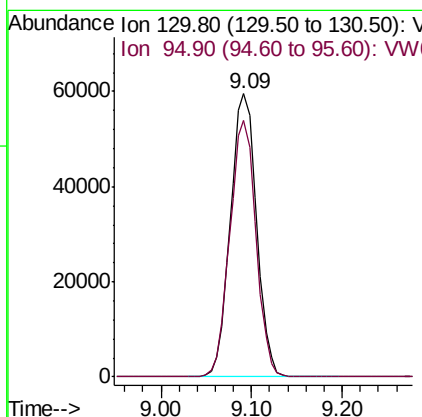
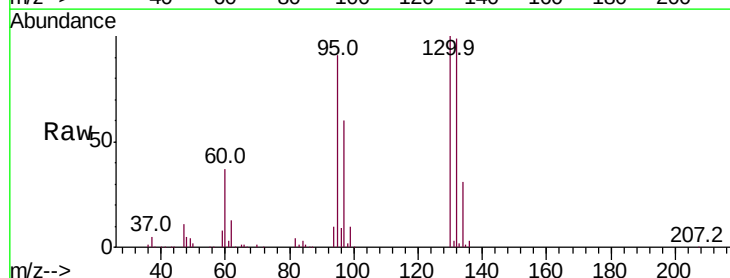
RT: 9.09 min Scan# 1179

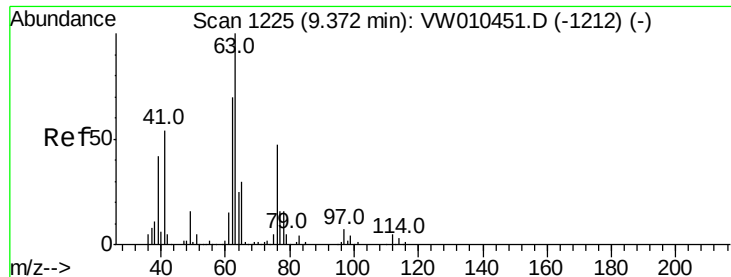
Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Tgt Ion:	130	Resp:	119208
Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	189.6





#45

1,2-Dichloropropane

Concen: 57.408 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 92606

Ion Ratio Lower Upper

63 100

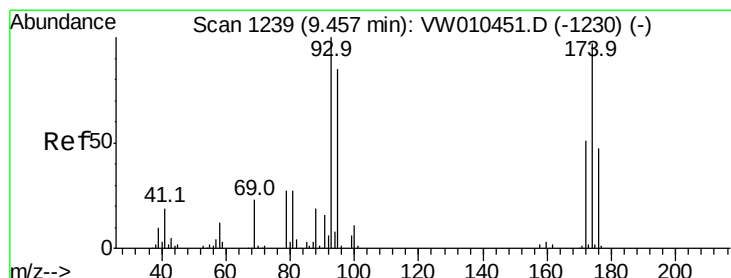
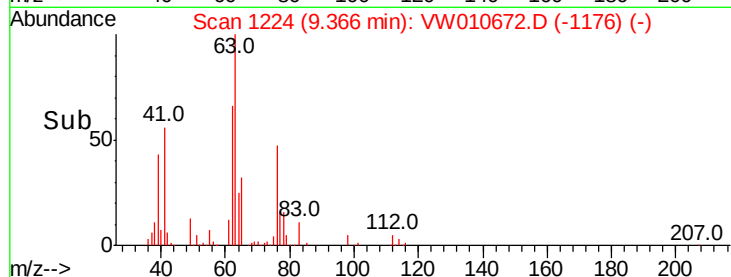
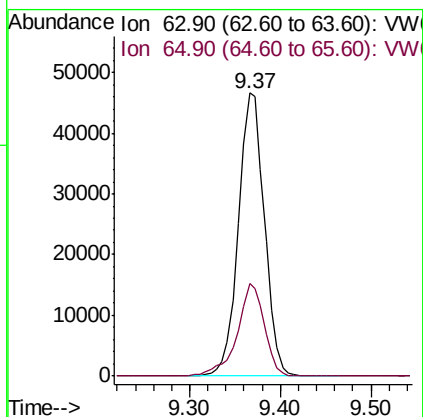
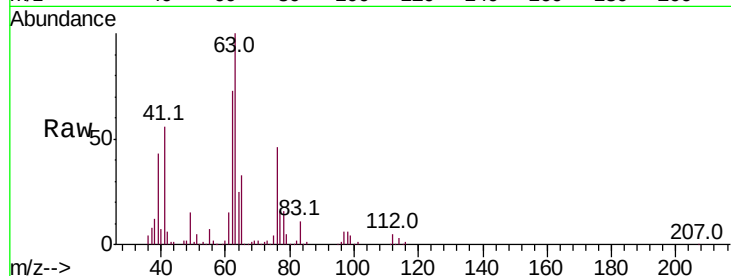
65 32.5 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 60.121 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

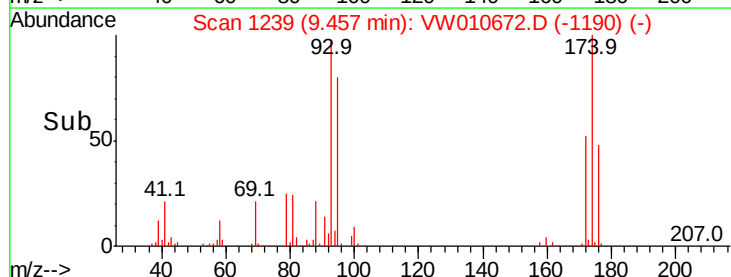
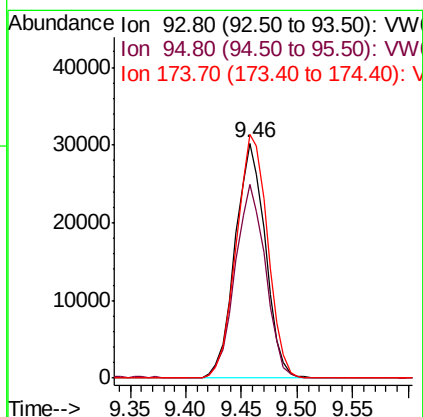
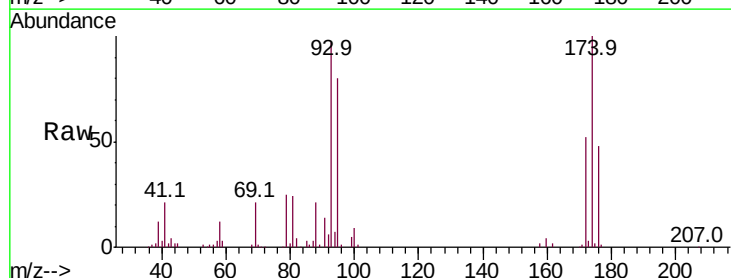
Tgt Ion: 93 Resp: 56717

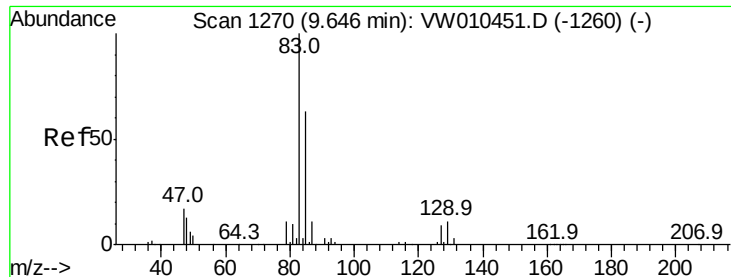
Ion Ratio Lower Upper

93 100

95 83.3 66.1 99.1

174 108.2 77.1 115.7





#47

Bromodichloromethane

Concen: 57.513 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

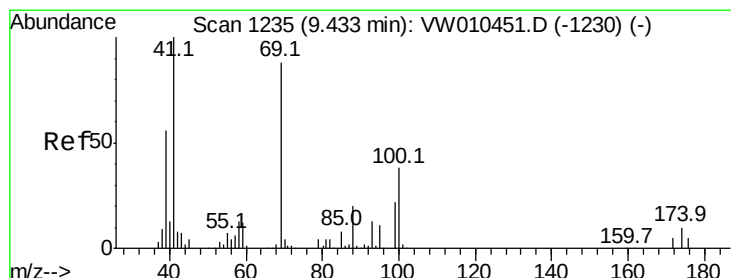
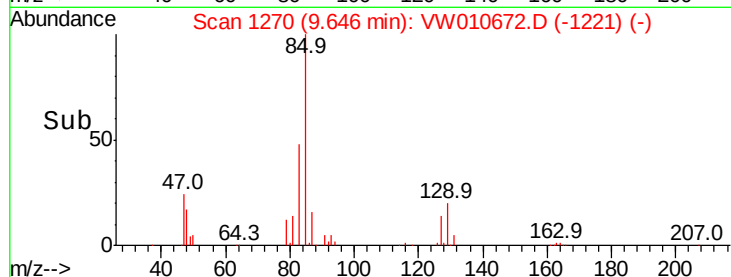
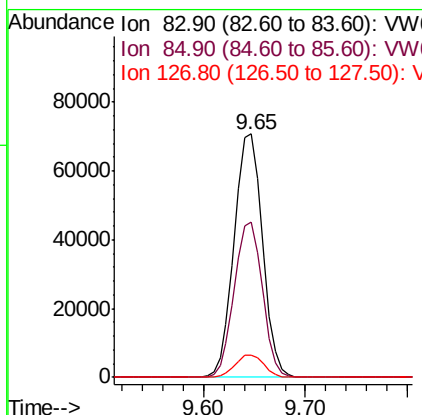
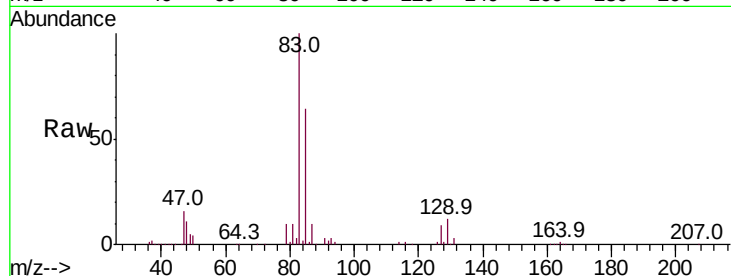
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	136346
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.4	75.6
127	9.0	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.849 ug/l

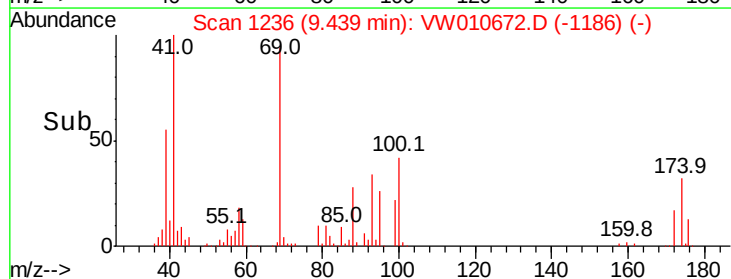
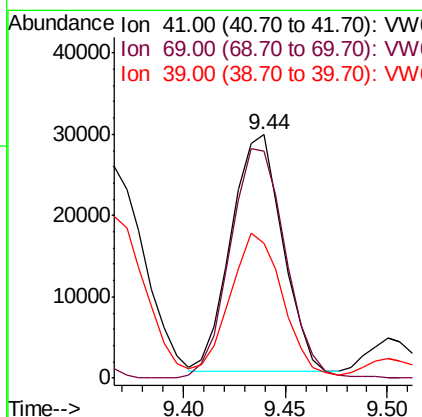
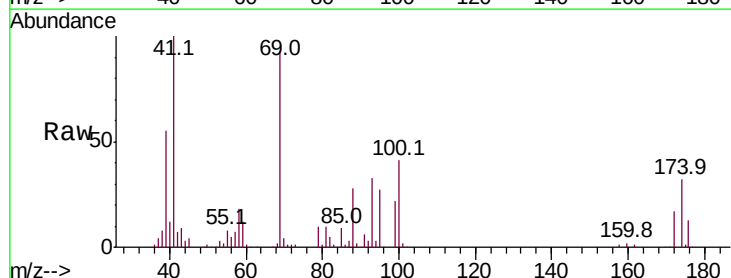
RT: 9.44 min Scan# 1236

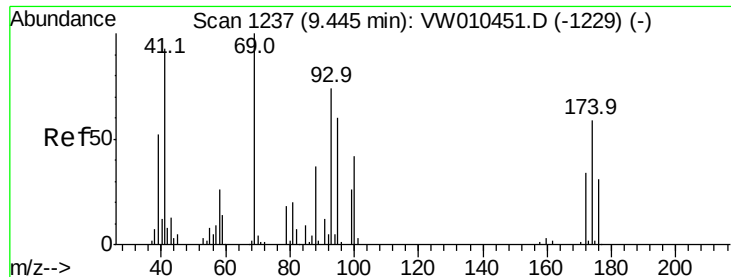
Delta R.T. 0.01 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Tgt Ion:	41	Resp:	51144
Ion	Ratio	Lower	Upper
41	100		
69	104.9	77.6	116.4
39	63.6	49.8	74.8





#49

1,4-Dioxane

Concen: 1270.666 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 19582

Ion Ratio Lower Upper

88 100

43 29.7 25.9 38.9

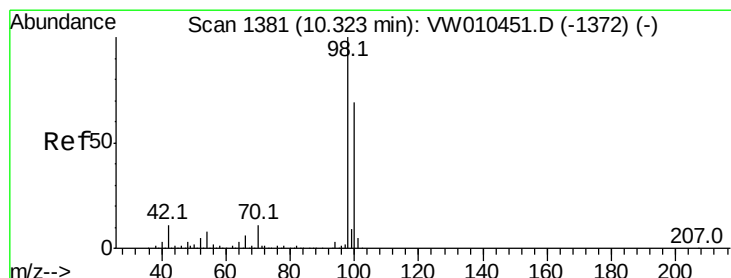
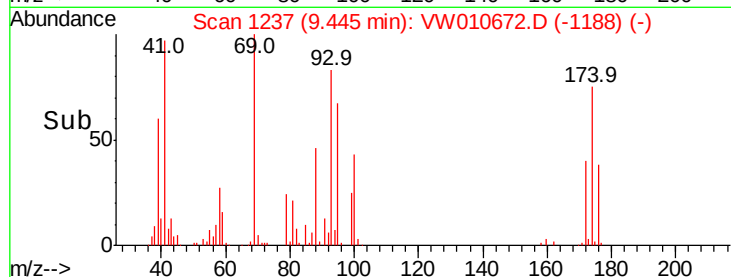
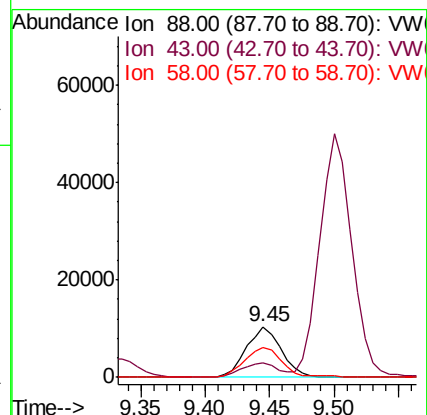
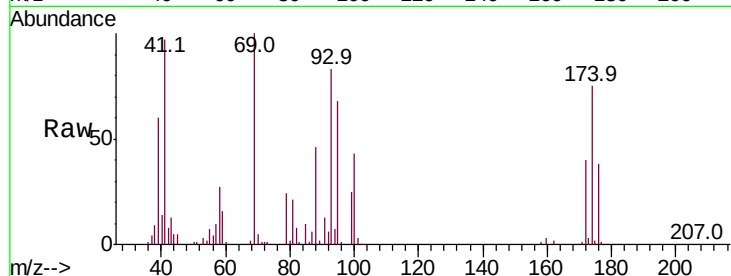
58 61.8 52.7 79.1

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#50

Toluene-d8

Concen: 49.814 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010672.D

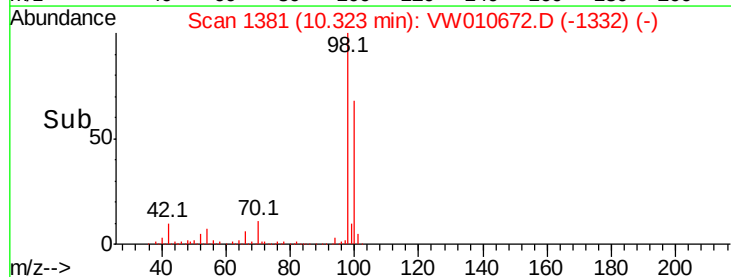
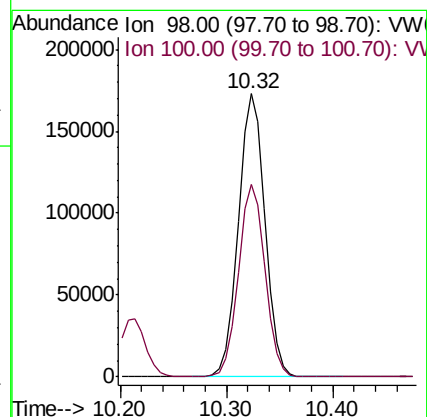
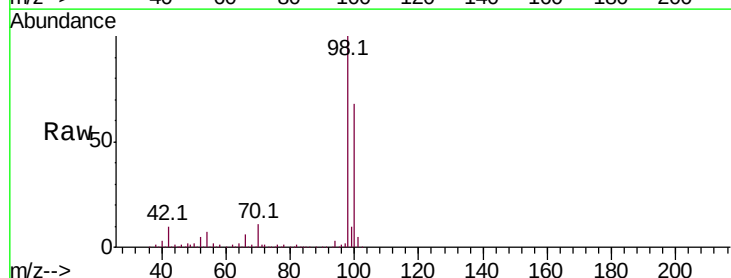
Acq: 03 Jun 2019 21:28

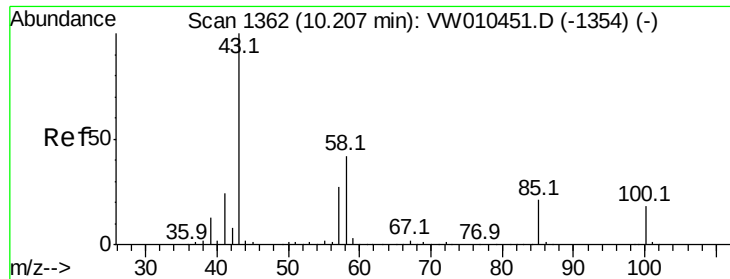
Tgt Ion: 98 Resp: 302909

Ion Ratio Lower Upper

98 100

100 67.8 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 285.822 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 300680

Ion Ratio Lower Upper

43 100

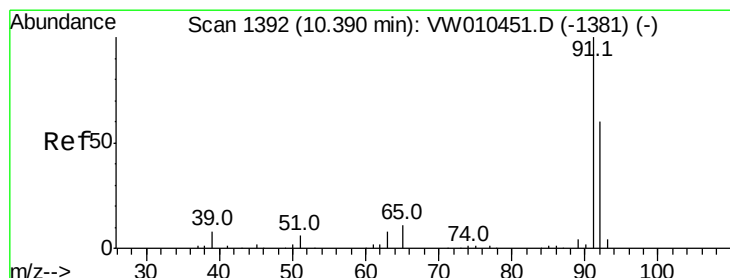
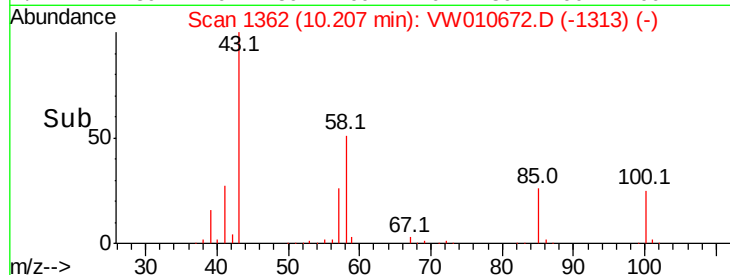
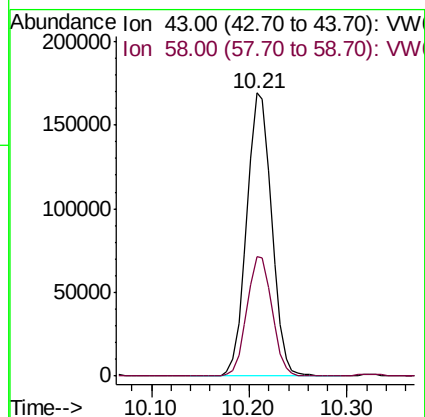
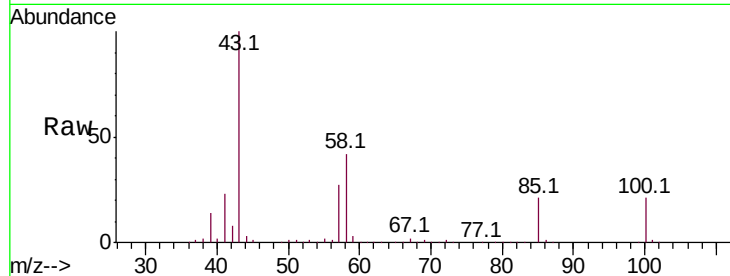
58 42.4 33.2 49.8

Manual Integrations

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#52

Toluene

Concen: 57.287 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010672.D

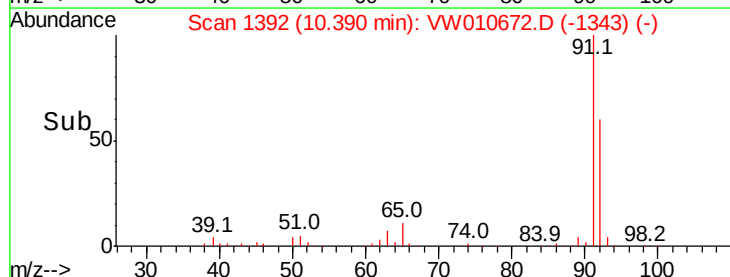
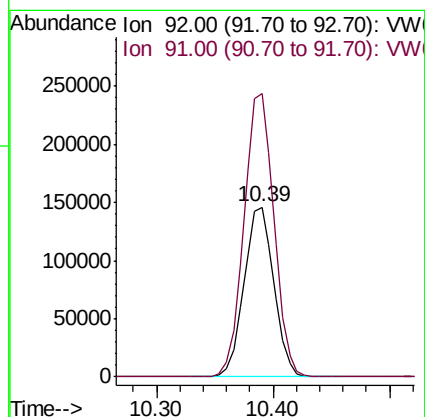
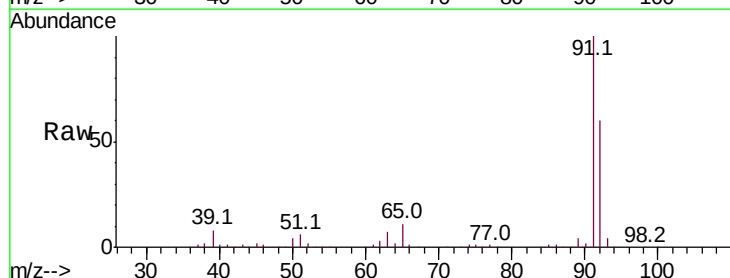
Acq: 03 Jun 2019 21:28

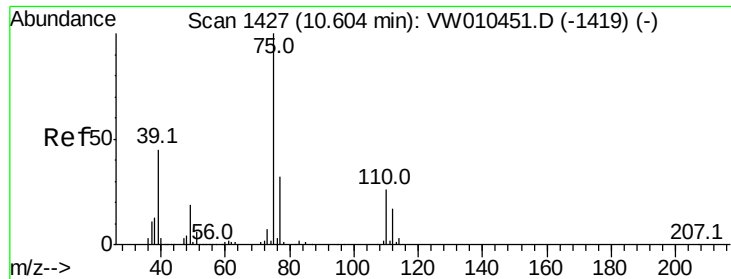
Tgt Ion: 92 Resp: 261309

Ion Ratio Lower Upper

92 100

91 167.8 135.4 203.0





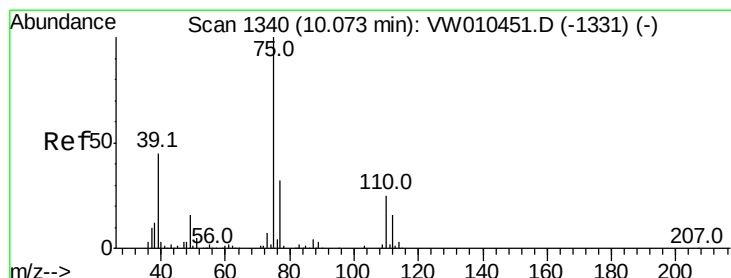
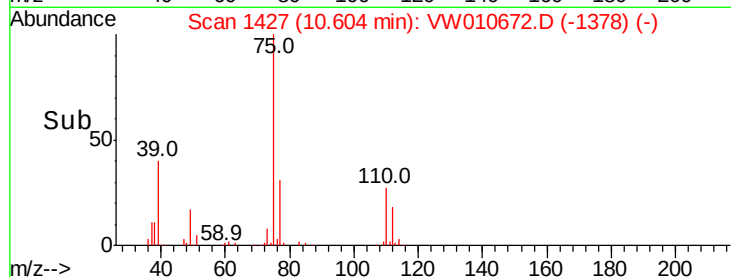
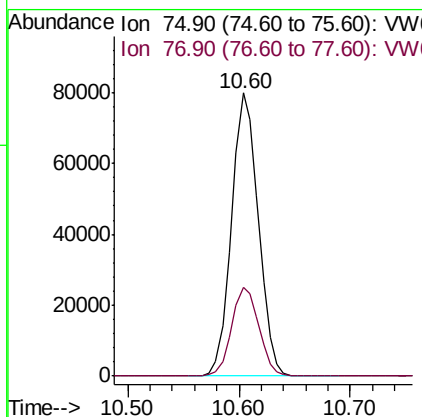
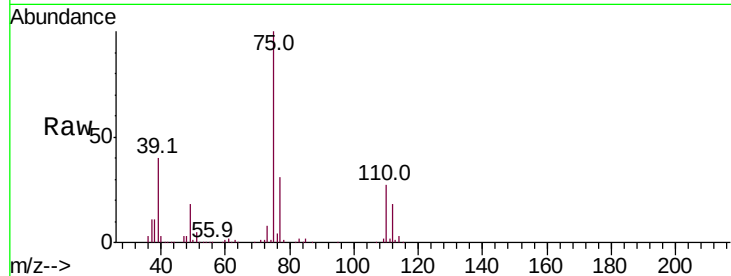
#53
t-1,3-Dichloropropene
Concen: 55.366 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 132935
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0

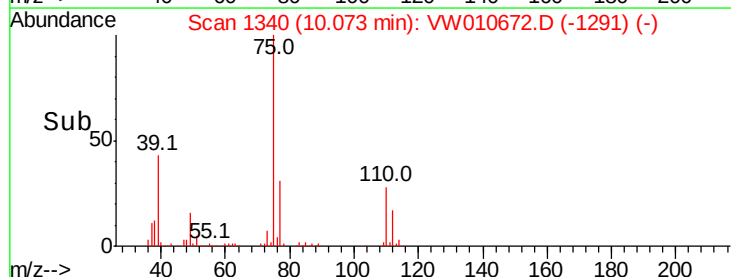
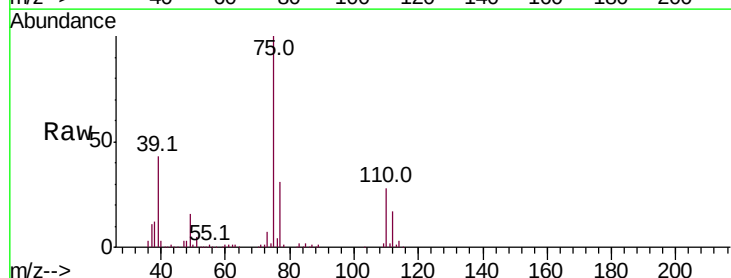
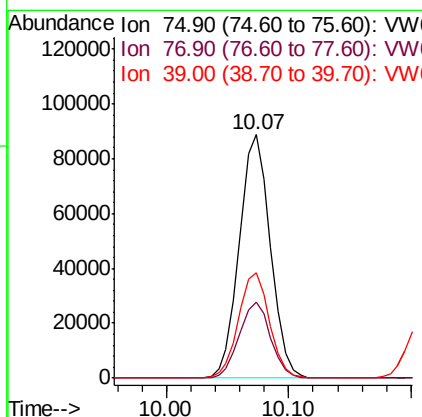
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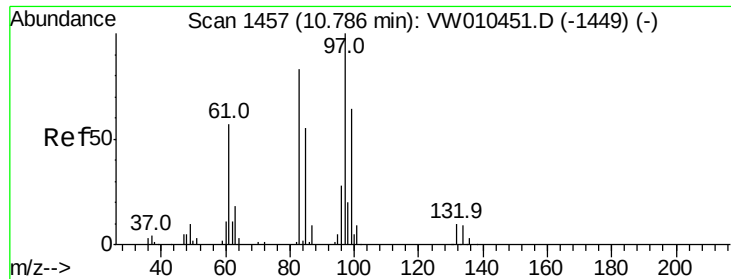
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#54
cis-1,3-Dichloropropene
Concen: 57.077 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion: 75 Resp: 156510
Ion Ratio Lower Upper
75 100
77 31.4 25.7 38.5
39 43.1 36.2 54.4





#55

1,1,2-Trichloroethane

Concen: 60.083 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 81509

Ion Ratio Lower Upper

97 100

83 83.9 66.1 99.1

85 54.3 44.2 66.4

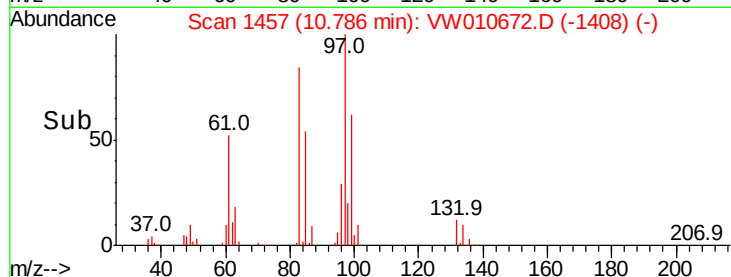
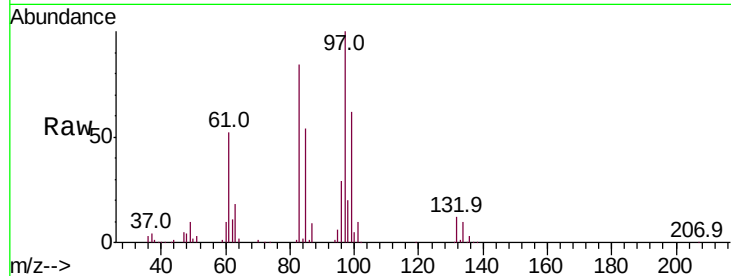
99 62.1 51.1 76.7

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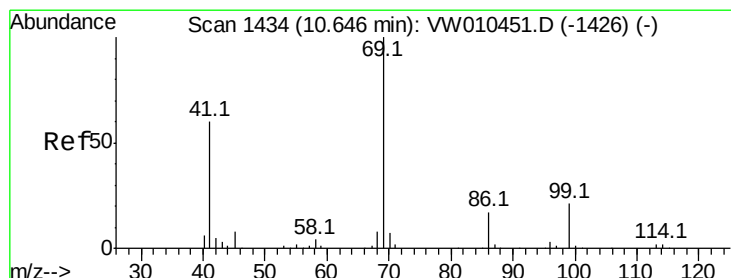
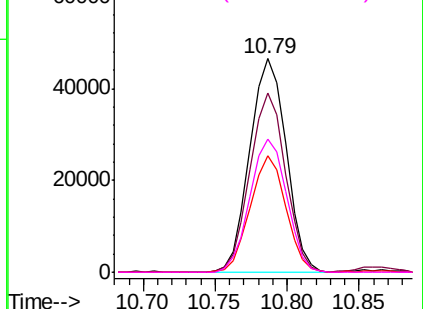


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 56.791 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

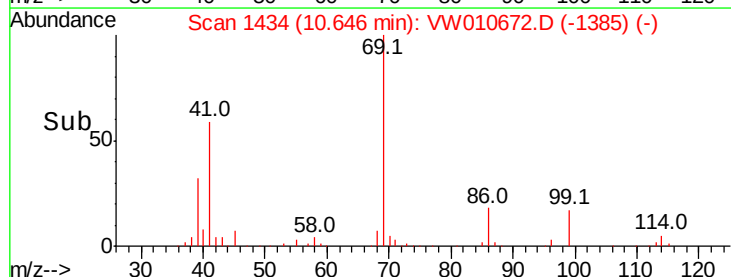
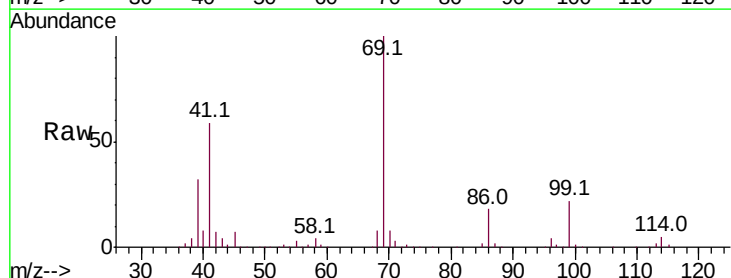
Tgt Ion: 69 Resp: 106254

Ion Ratio Lower Upper

69 100

41 57.8 47.7 71.5

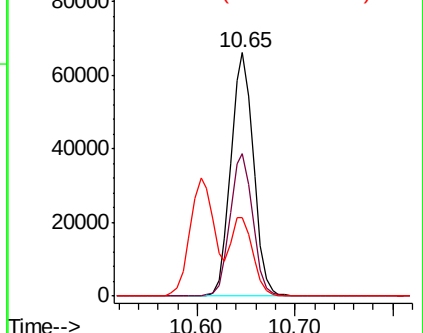
39 30.8 25.3 37.9

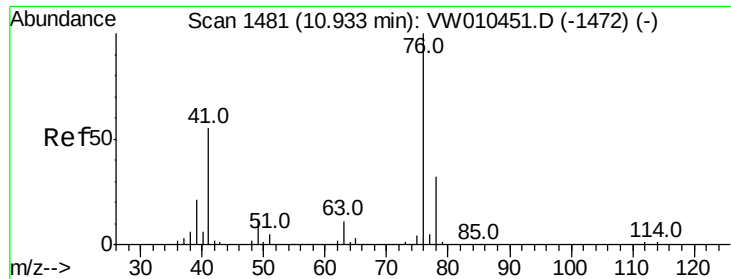


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





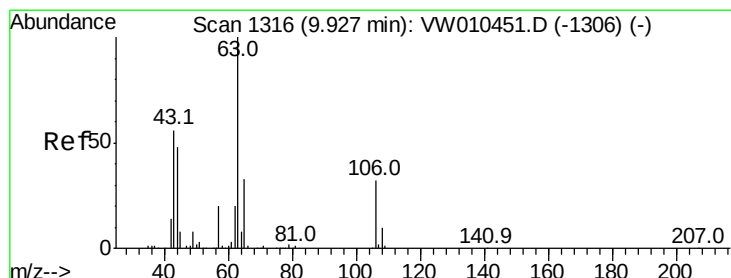
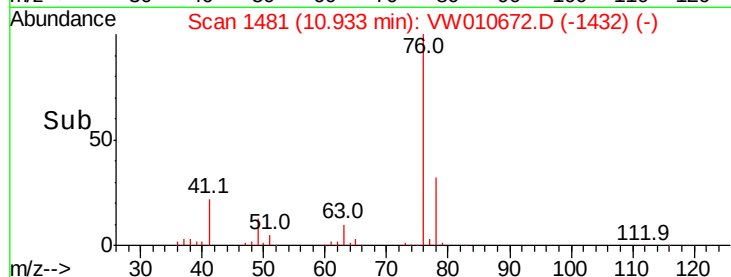
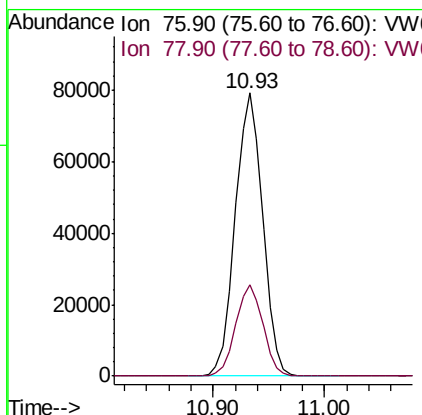
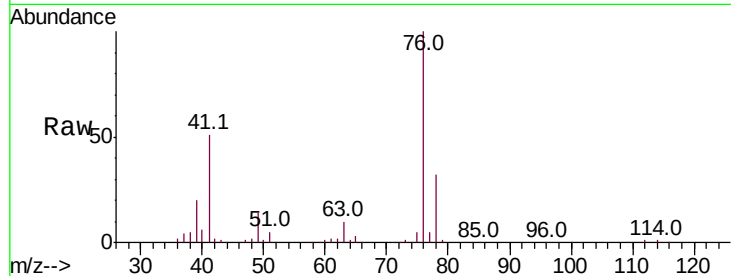
#57
 1,3-Dichloropropane
 Concen: 59.451 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010672.D
 Acq: 03 Jun 2019 21:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.2	39.2

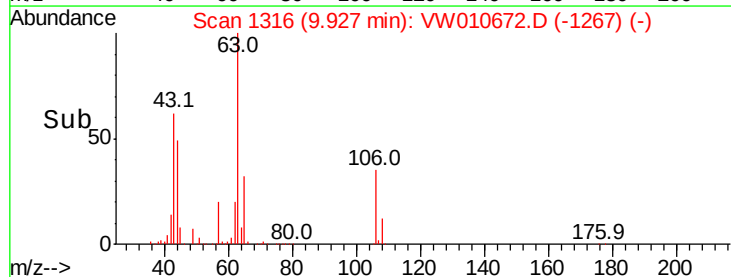
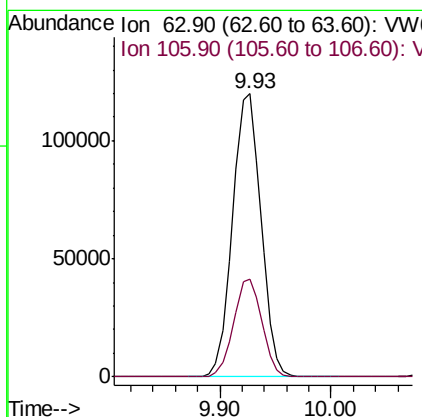
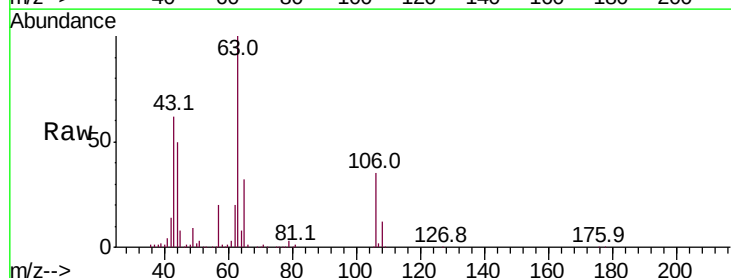
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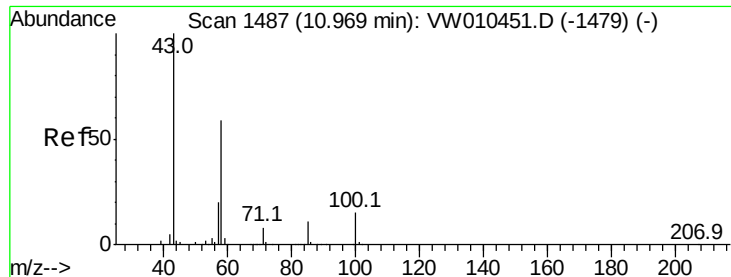
MMDadoda
 6/4/2019 12:13:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.832 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW010672.D
 Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.4	25.8	38.6





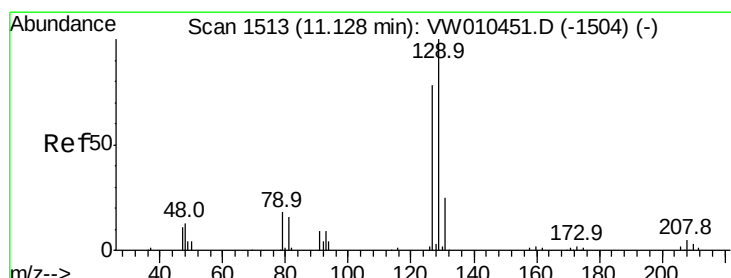
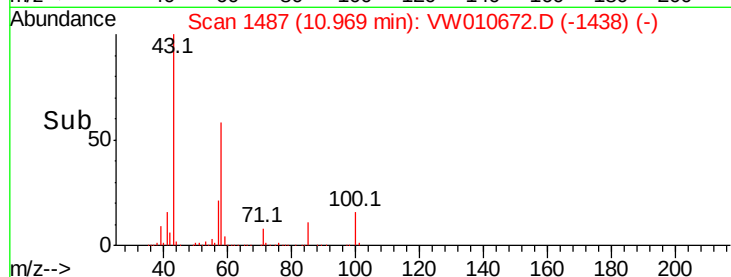
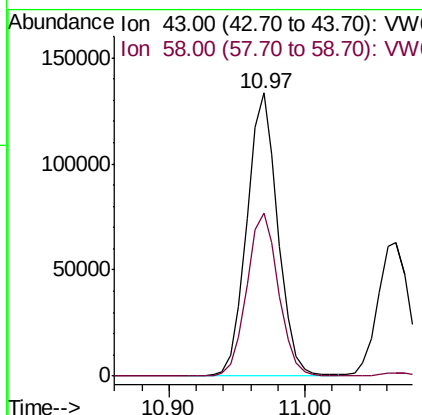
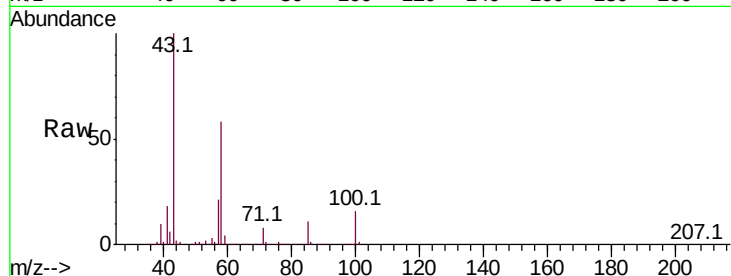
#59
2-Hexanone
Concen: 282.860 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 212267
Ion Ratio Lower Upper
43 100
58 59.0 28.9 86.8

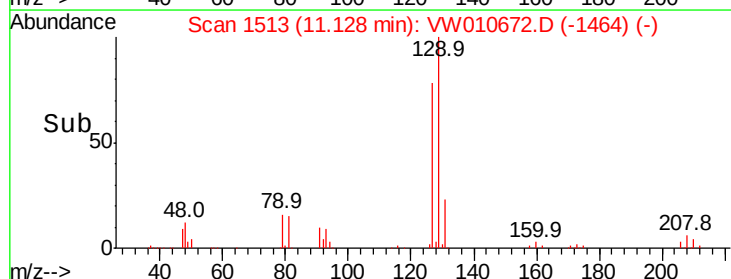
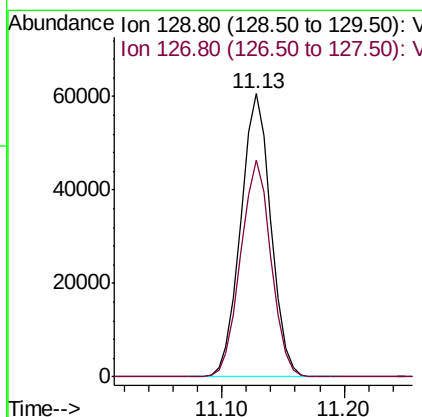
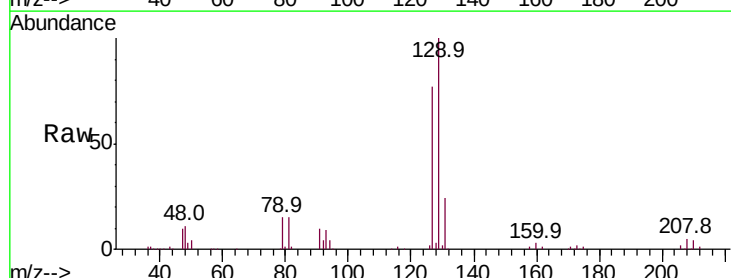
Manual Integrations
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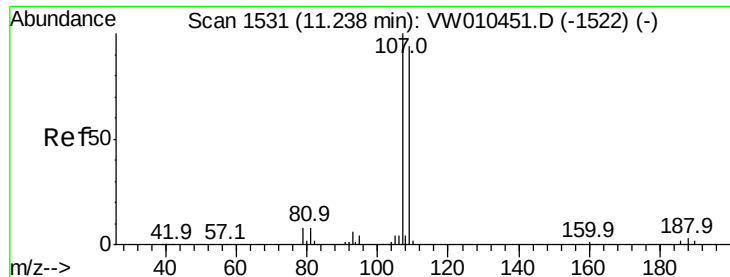
MMDadoda
6/4/2019 12:13:11 PM



#60
Dibromochloromethane
Concen: 60.437 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion: 129 Resp: 103765
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 60.159 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 82671

Ion Ratio Lower Upper

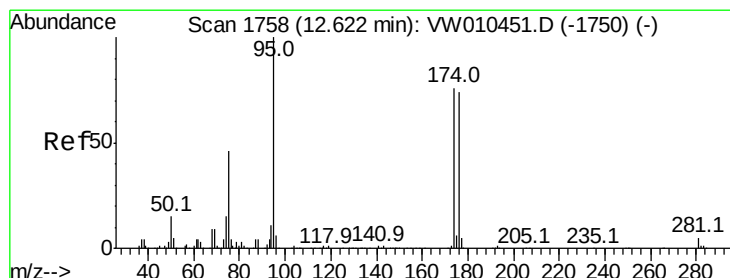
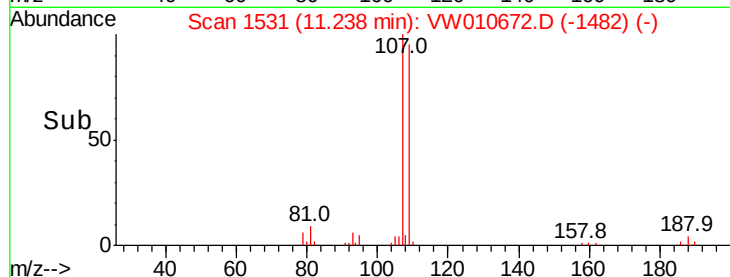
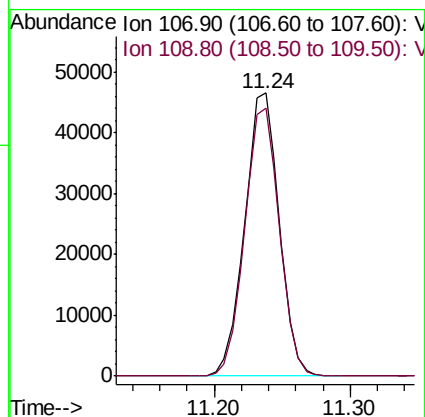
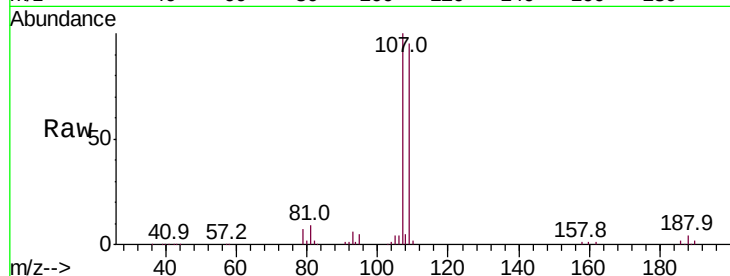
107 100

109 95.1 75.0 112.4

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#62

4-Bromofluorobenzene

Concen: 49.972 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

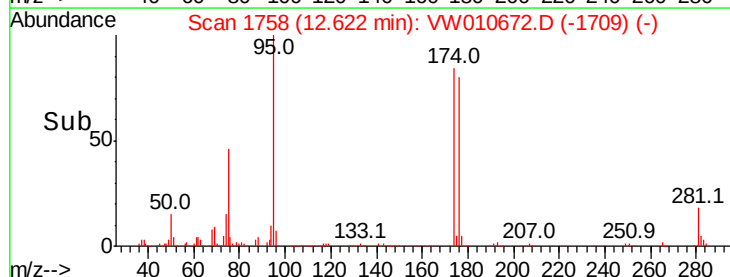
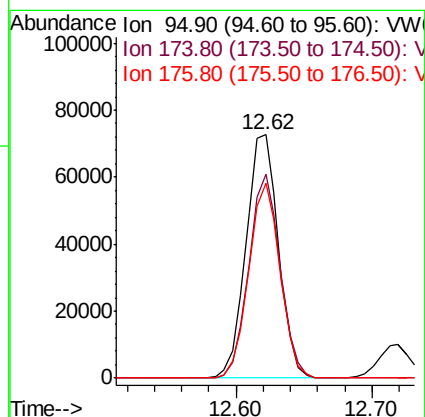
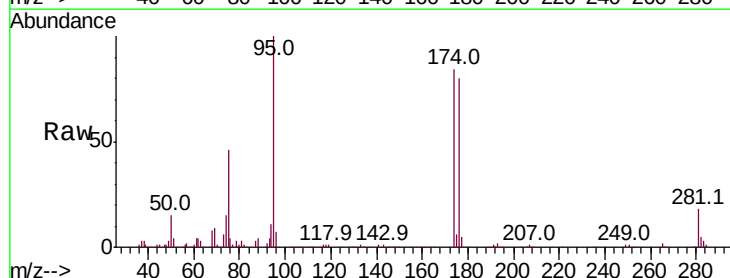
Tgt Ion: 95 Resp: 121036

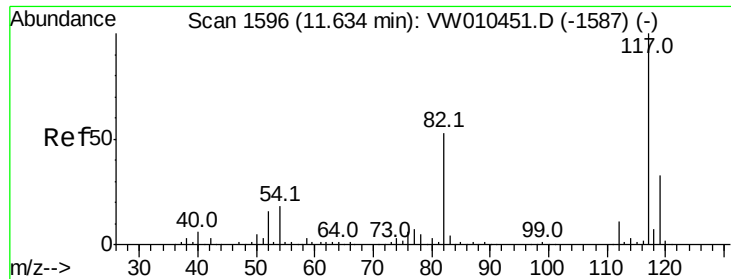
Ion Ratio Lower Upper

95 100

174 81.2 0.0 148.6

176 77.8 0.0 144.2





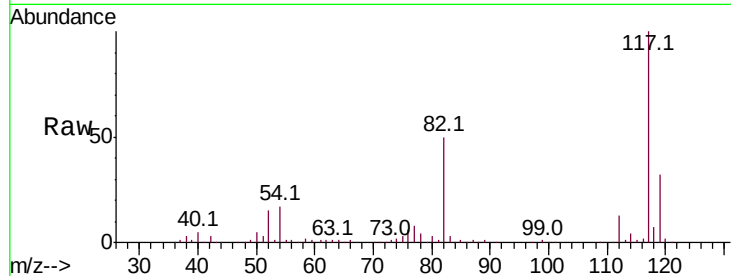
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	42.8	64.2
119	31.8	26.3	39.5

Manual Integrations
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6/4/2019 12:13:11 PM

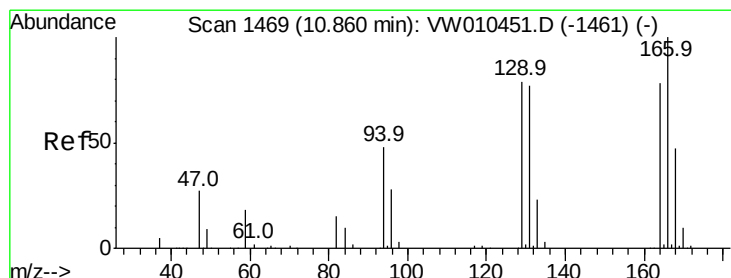
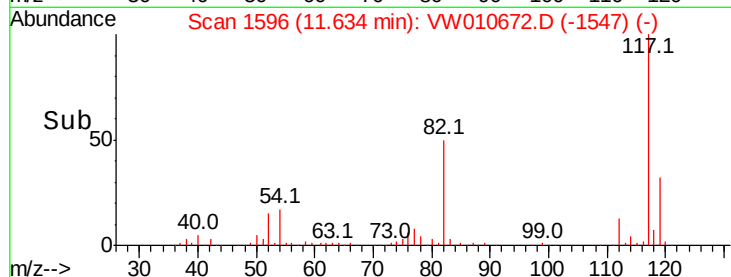
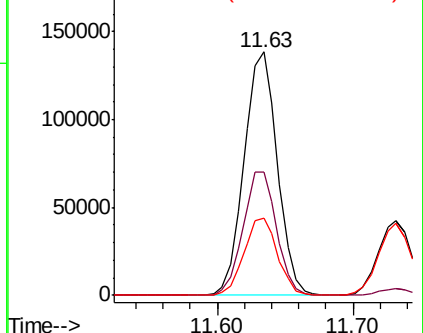


Abundance

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: 65.763 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	101.9	152.9
129	96.6	80.6	121.0
131	90.6	78.2	117.2

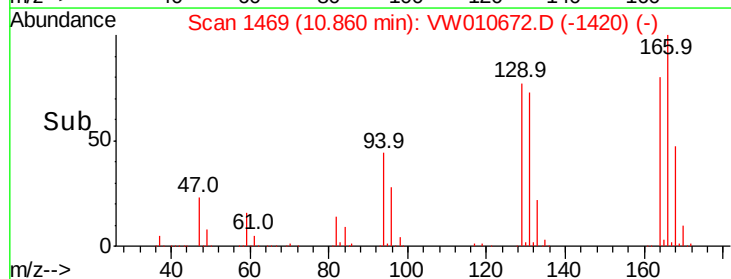
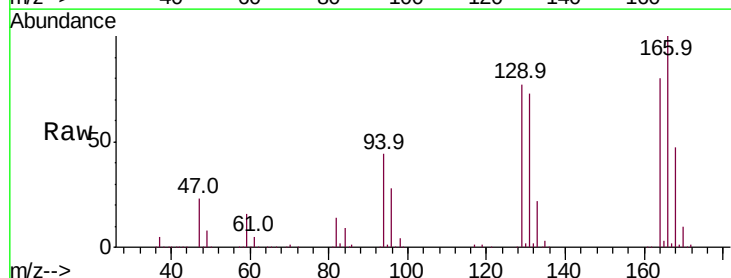
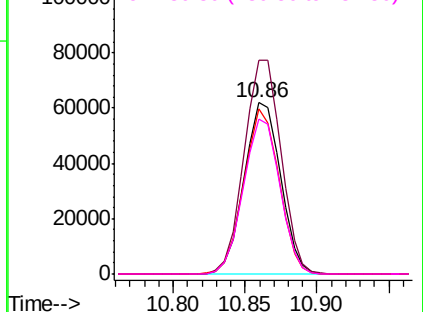
Abundance

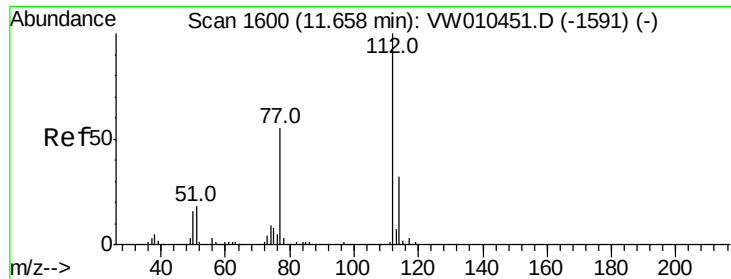
Ion 163.80 (163.50 to 164.50): V

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





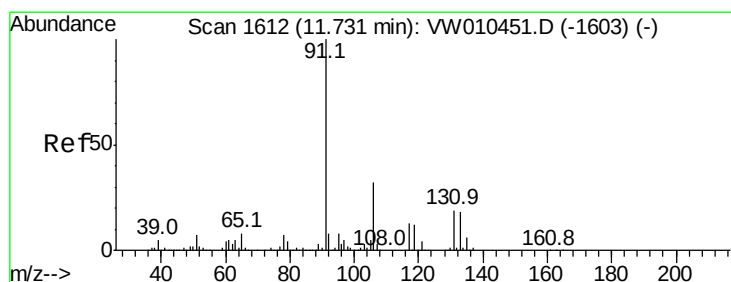
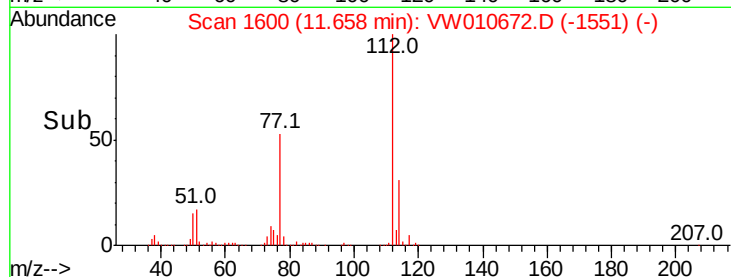
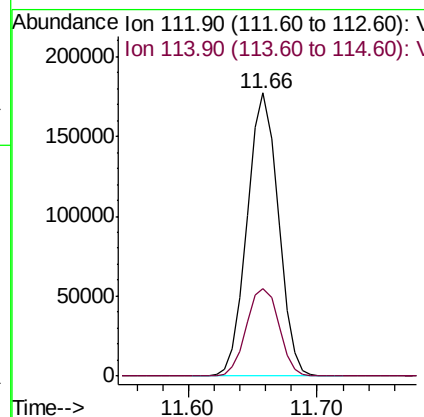
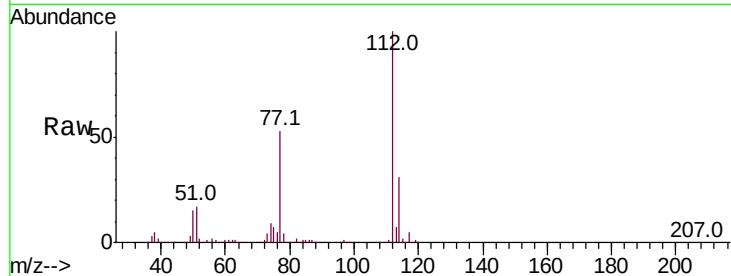
#65
Chlorobenzene
Concen: 58.623 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.3	37.9

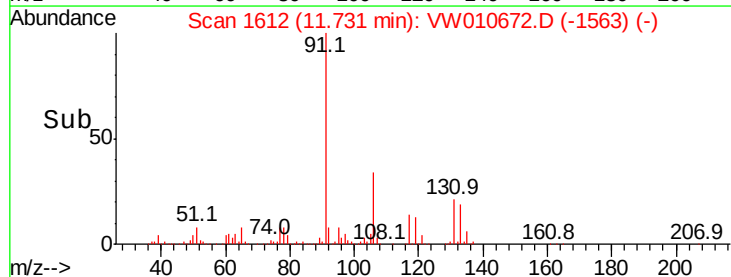
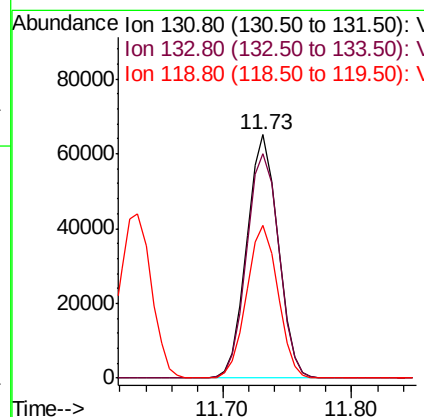
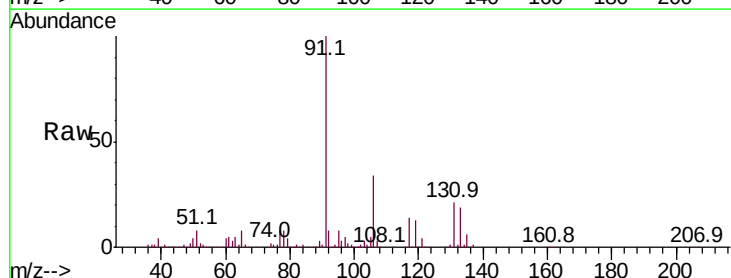
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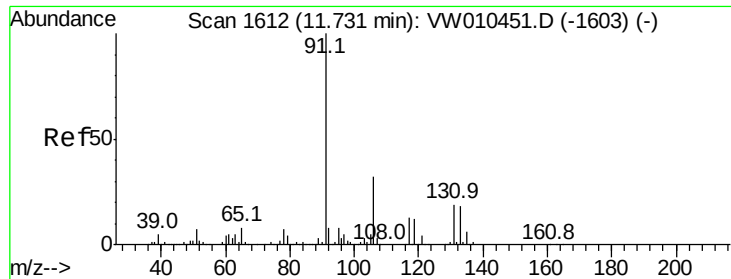
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 60.242 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	141.9
119	62.9	32.1	96.5





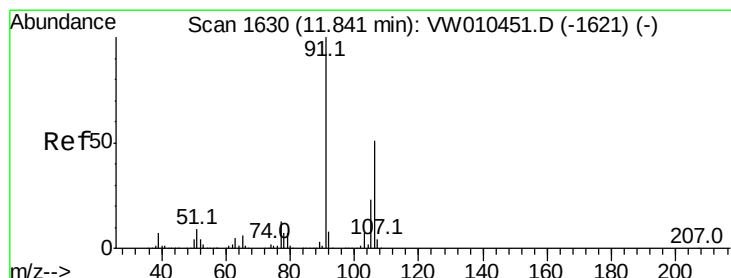
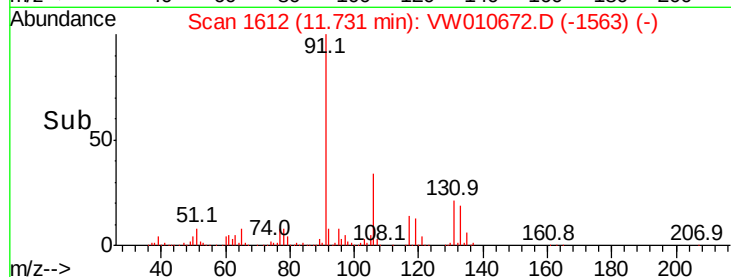
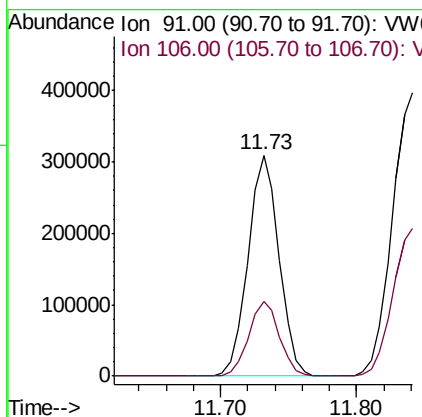
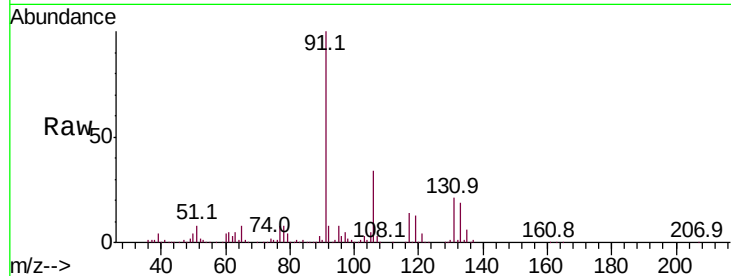
#67
Ethyl Benzene
Concen: 55.354 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.8	25.9	38.9

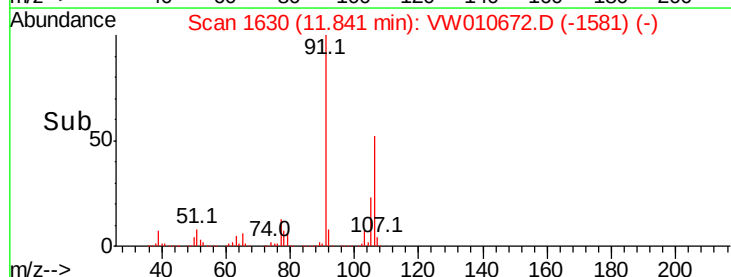
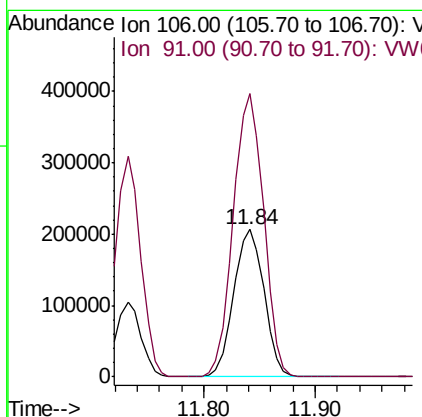
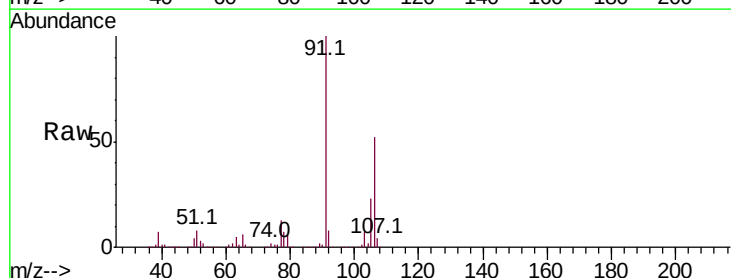
Manual Integrations
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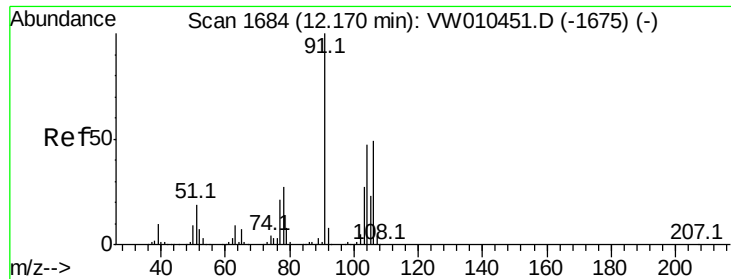
MMDadoda
6/4/2019 12:13:11 PM



#68
m/p-Xylenes
Concen: 111.692 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
106	100		
91	192.0	156.0	234.0





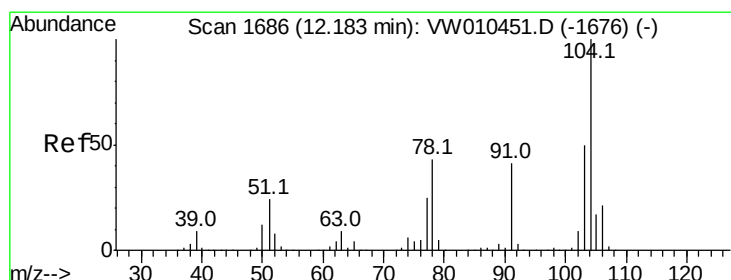
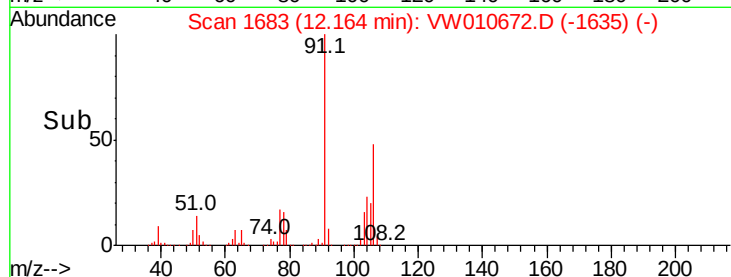
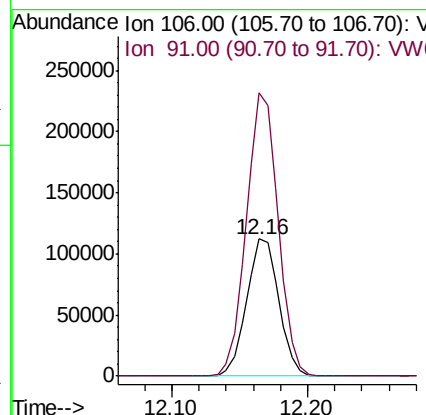
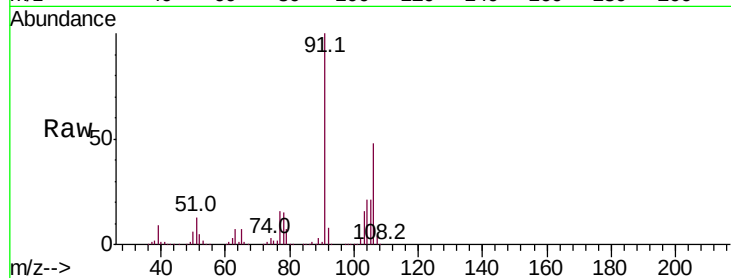
#69
o-Xylene
Concen: 56.279 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 186236
Ion Ratio Lower Upper
106 100
91 203.1 103.2 309.4

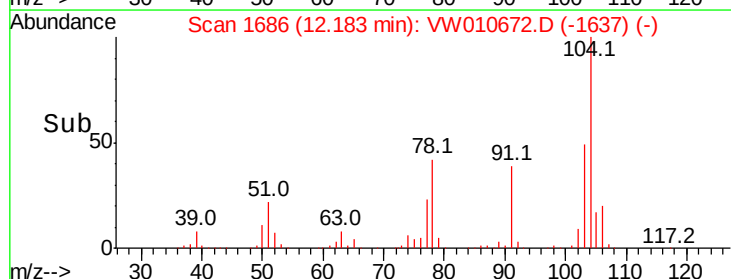
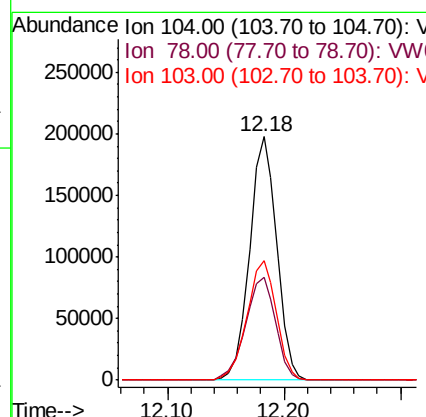
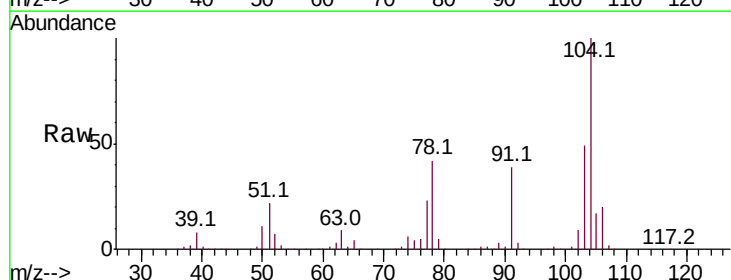
Manual Integrations
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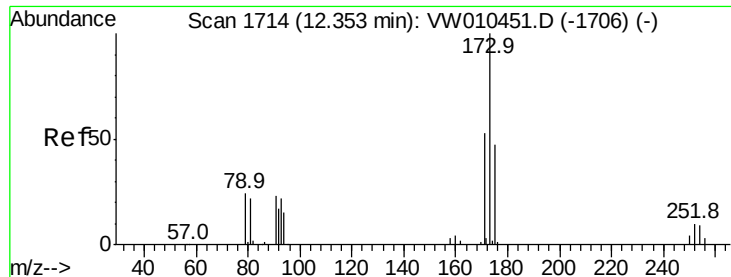
MMDadoda
6/4/2019 12:13:11 PM



#70
Styrene
Concen: 57.118 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion:104 Resp: 320698
Ion Ratio Lower Upper
104 100
78 47.0 39.0 58.4
103 53.3 43.0 64.6





#71

Bromoform

Concen: 59.979 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 59675

Ion Ratio Lower Upper

173 100

175 50.3 24.4 73.4

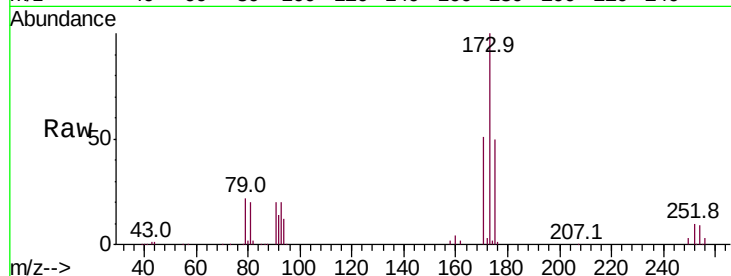
254 0.1 0.0 0.0#

Manual Integrations

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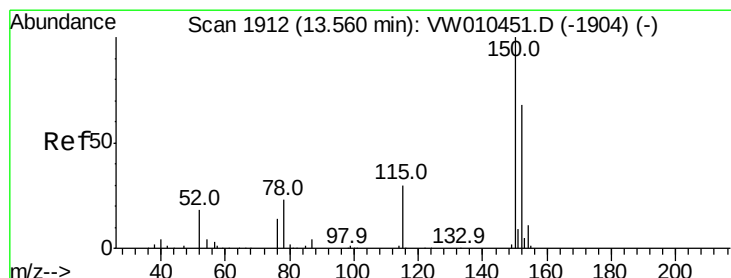
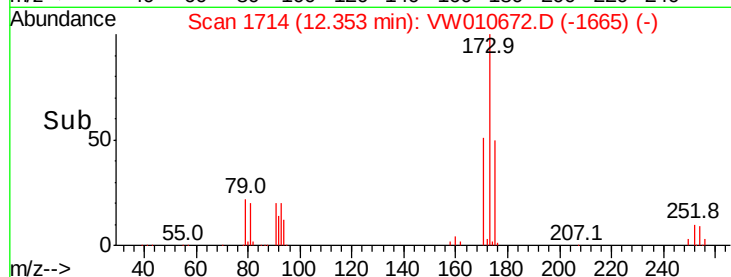
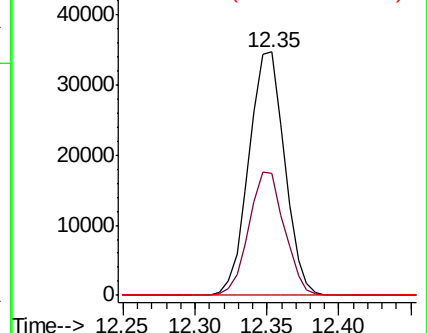
6/4/2019 12:13:11 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

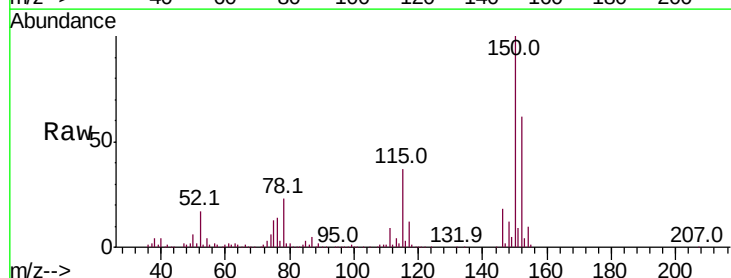
Tgt Ion:152 Resp: 118153

Ion Ratio Lower Upper

152 100

115 59.1 30.3 91.0

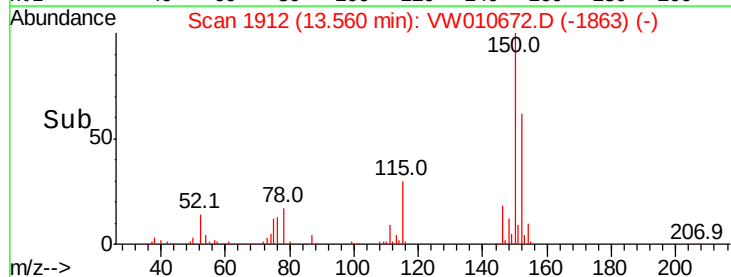
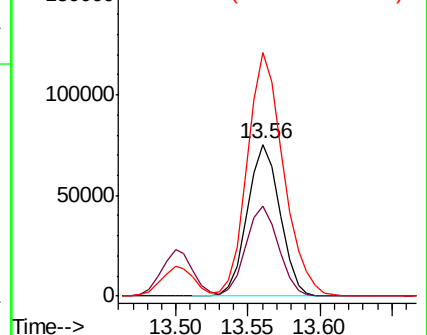
150 177.7 0.0 349.8

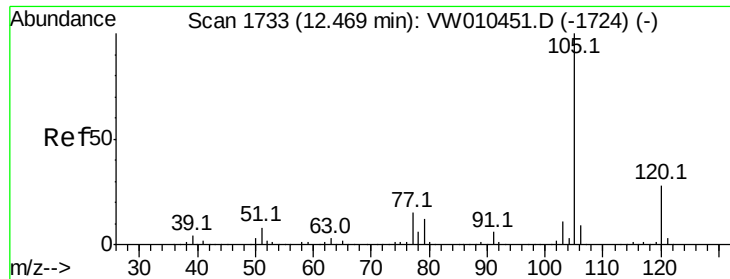


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





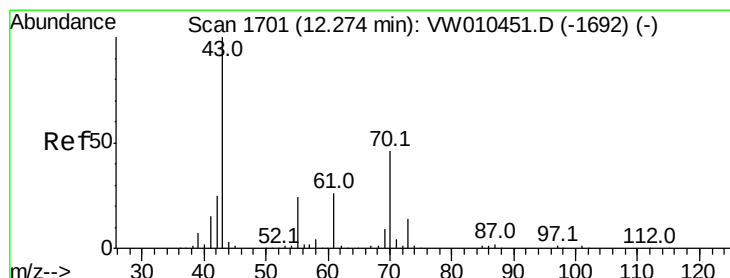
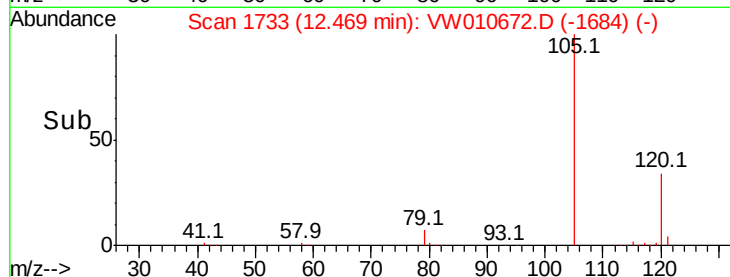
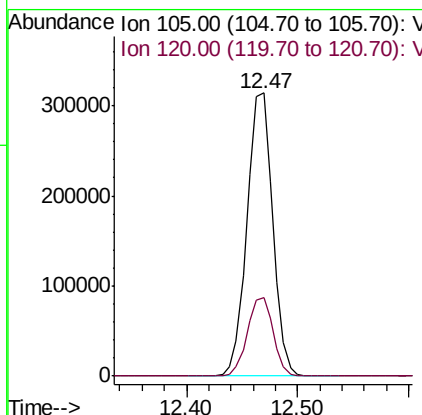
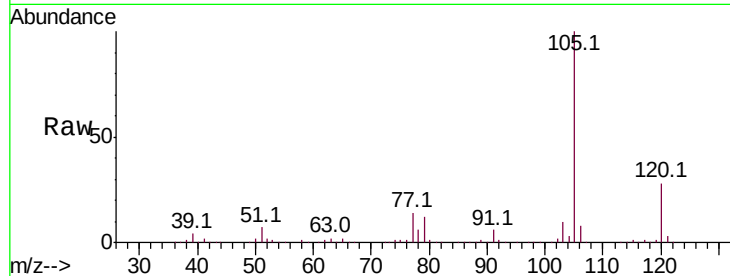
#73
Isopropylbenzene
Concen: 53.865 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 505026
Ion Ratio Lower Upper
105 100
120 27.9 13.9 41.7

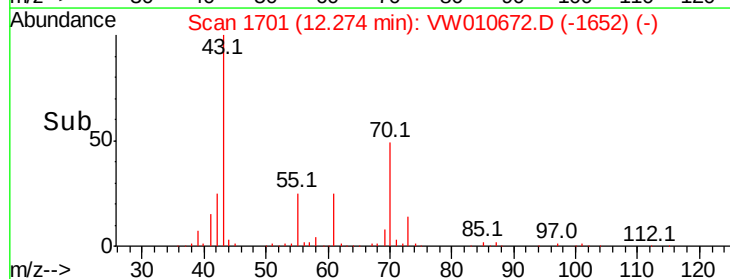
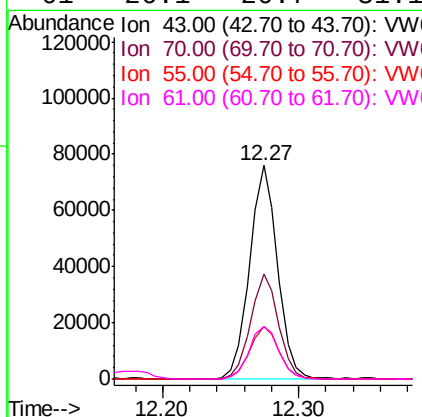
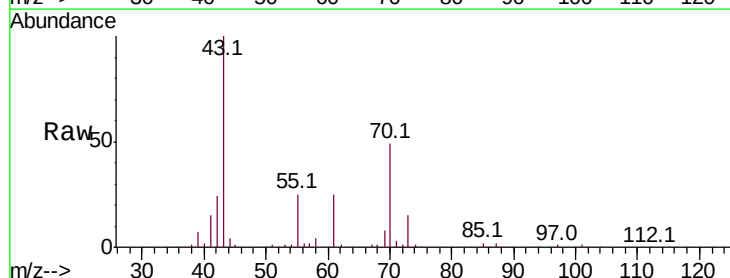
Manual Integrations
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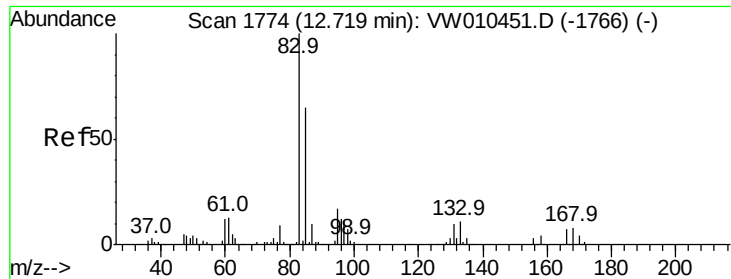
MMDadoda
6/4/2019 12:13:11 PM



#74
N-ethyl acetate
Concen: 51.053 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion: 43 Resp: 109689
Ion Ratio Lower Upper
43 100
70 49.5 37.1 55.7
55 25.8 19.6 29.4
61 26.1 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 55.528 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

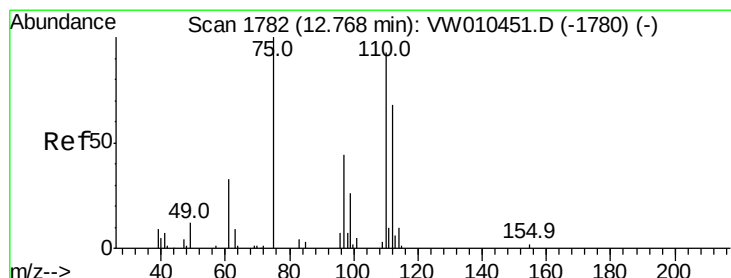
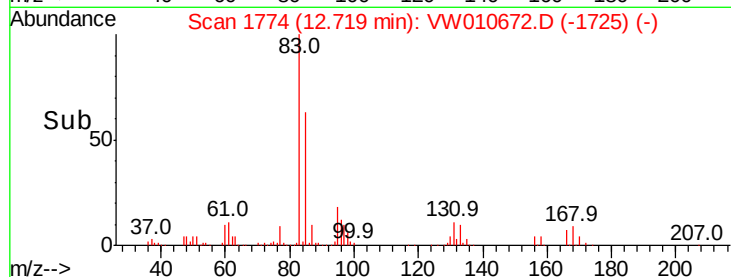
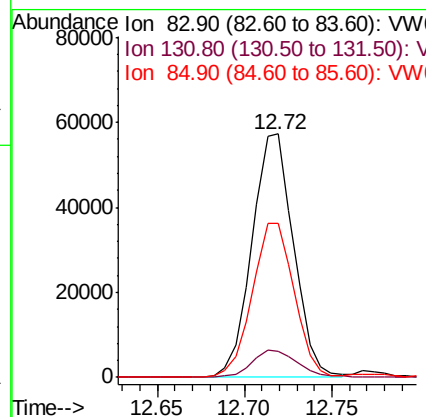
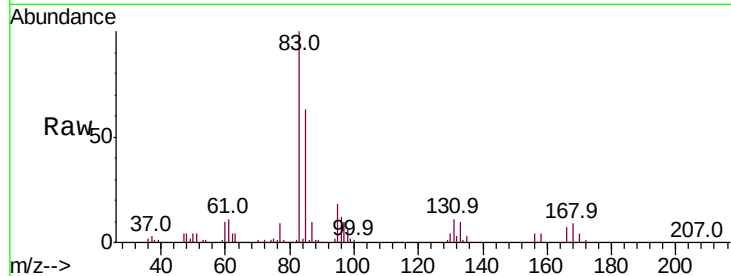
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	94694
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.6	16.8
85	63.8	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.892 ug/l m

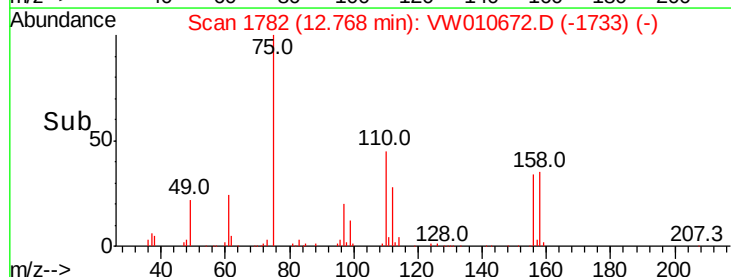
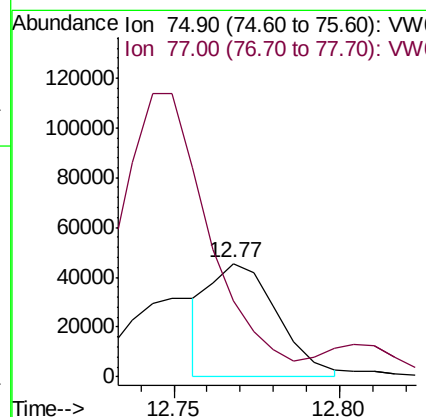
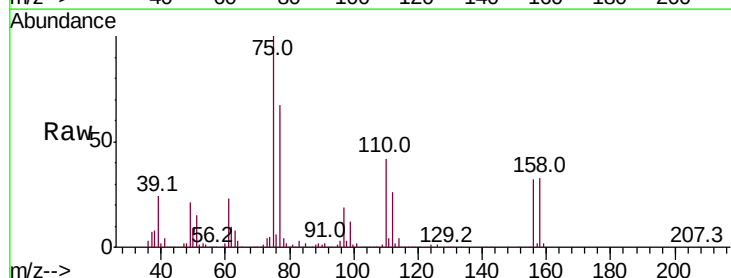
RT: 12.77 min Scan# 1782

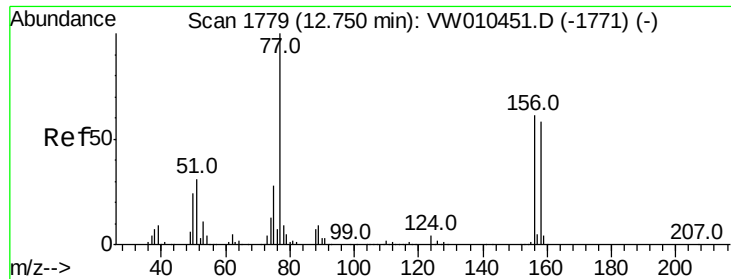
Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Tgt Ion:	75	Resp:	64634
Ion Ratio	Lower	Upper	
75	100		
77	0.0	170.0	510.1#





#77

Bromobenzene

Concen: 60.930 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 127839

Ion Ratio Lower Upper

156 100

77 167.4 92.4 277.2

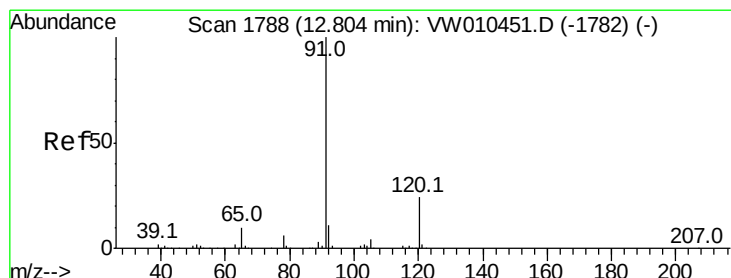
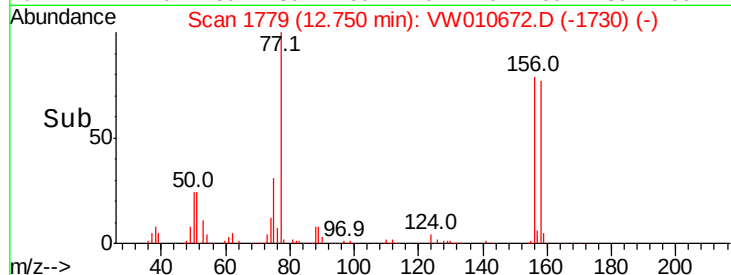
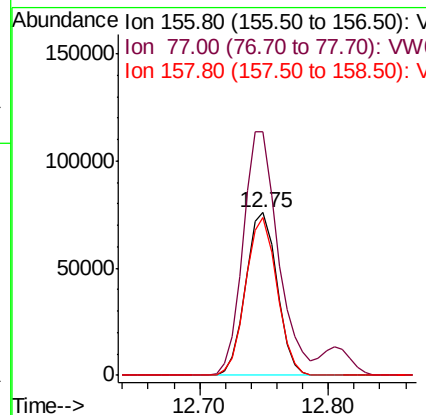
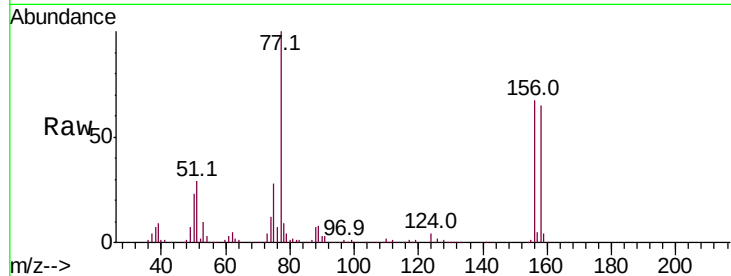
158 96.6 48.3 144.8

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#78

n-propylbenzene

Concen: 51.634 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010672.D

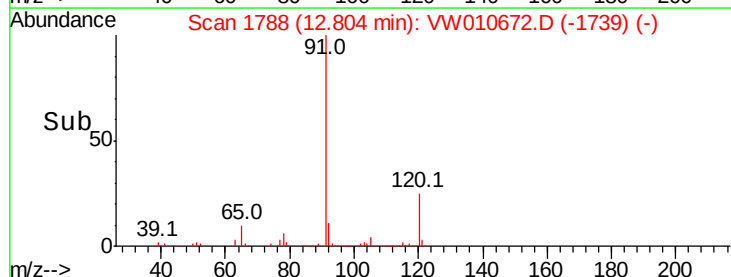
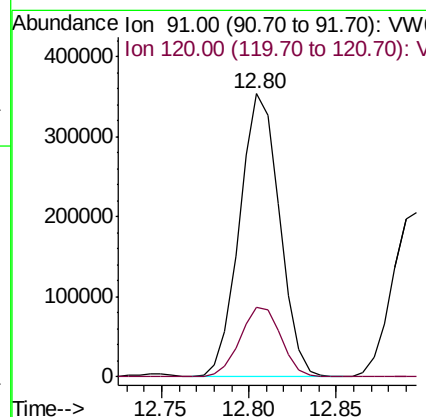
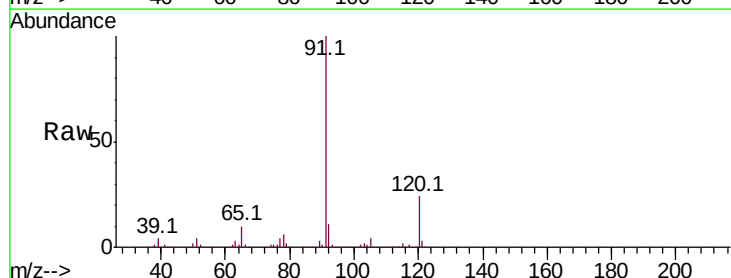
Acq: 03 Jun 2019 21:28

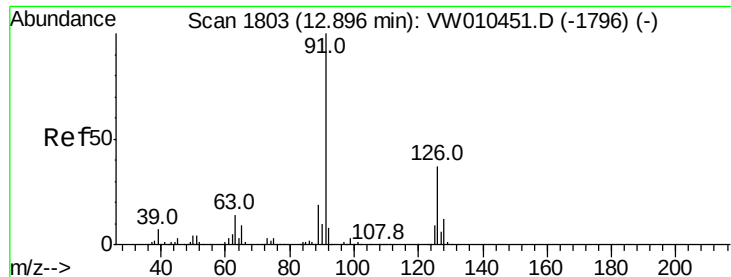
Tgt Ion: 91 Resp: 564177

Ion Ratio Lower Upper

91 100

120 25.2 12.3 36.8





#79

2-Chlorotoluene

Concen: 53.009 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 335889

Ion Ratio Lower Upper

91 100

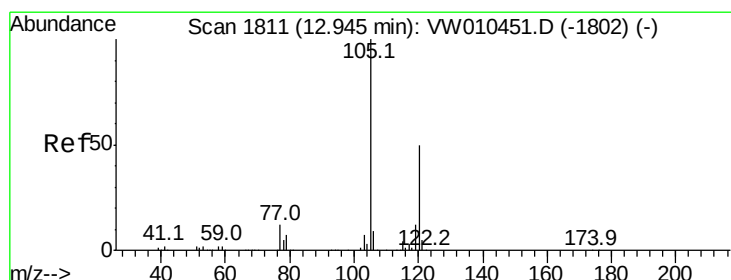
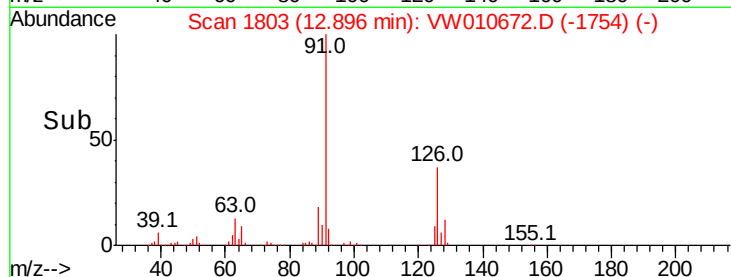
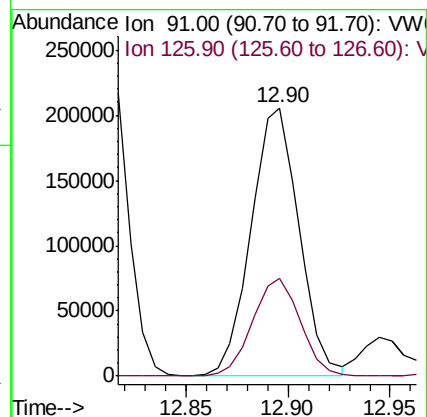
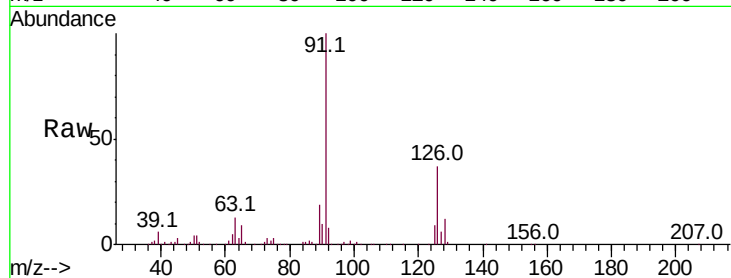
126 36.3 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 53.244 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010672.D

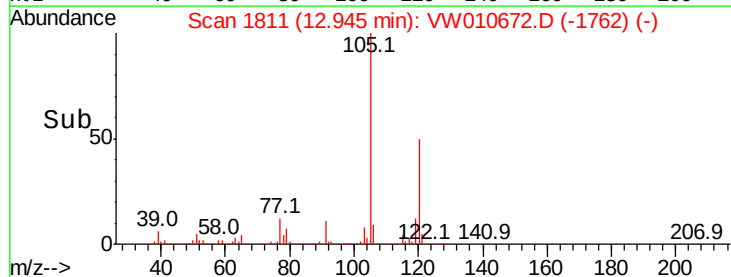
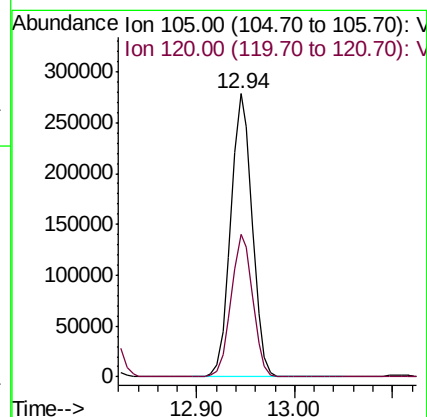
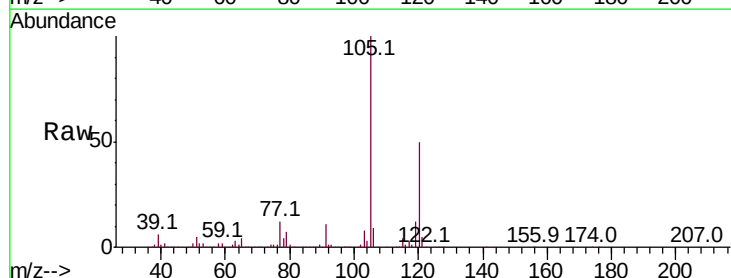
Acq: 03 Jun 2019 21:28

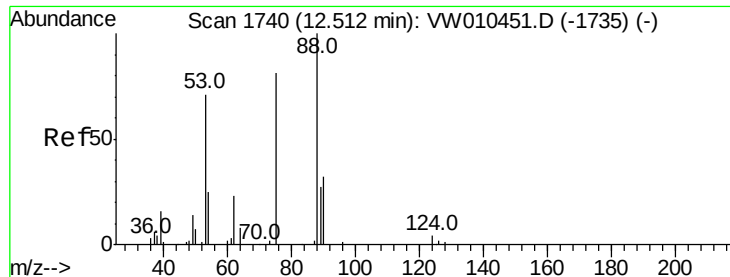
Tgt Ion: 105 Resp: 422796

Ion Ratio Lower Upper

105 100

120 50.6 25.2 75.6





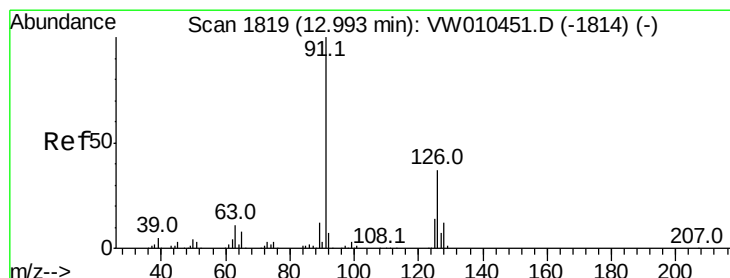
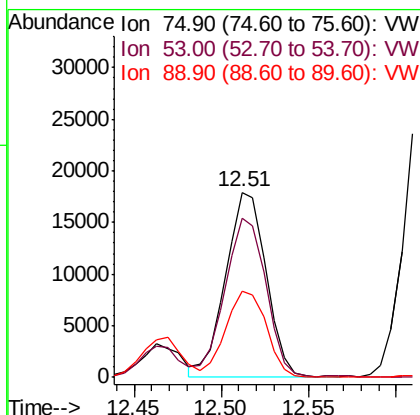
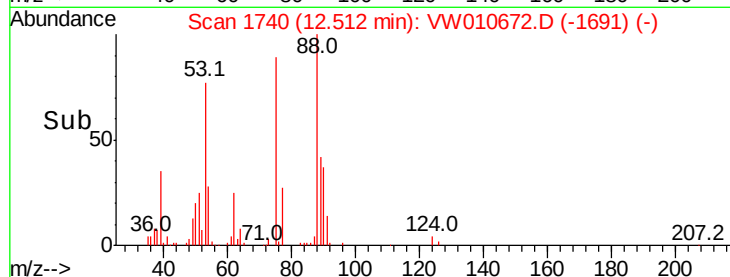
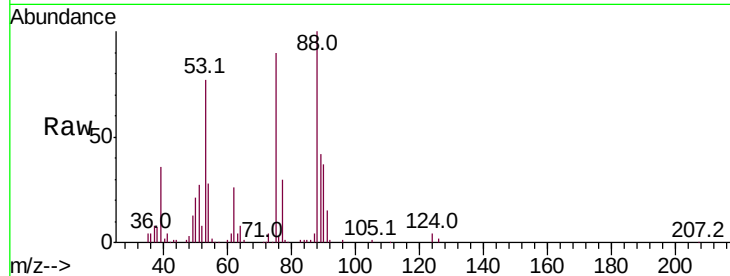
#81
trans-1,4-Dichloro-2-butene
Concen: 50.442 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.7	69.8	104.8
89	46.6	39.5	59.3

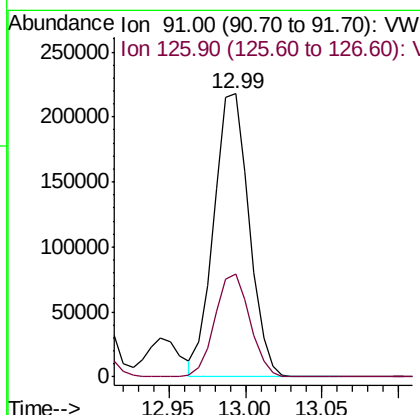
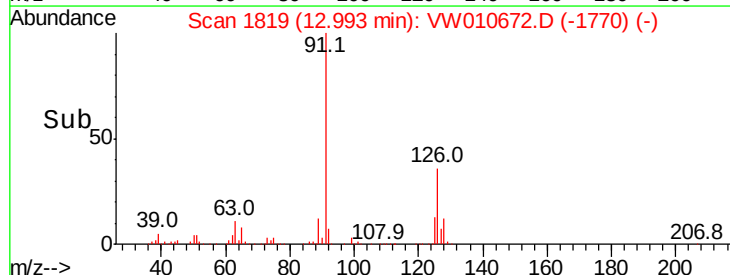
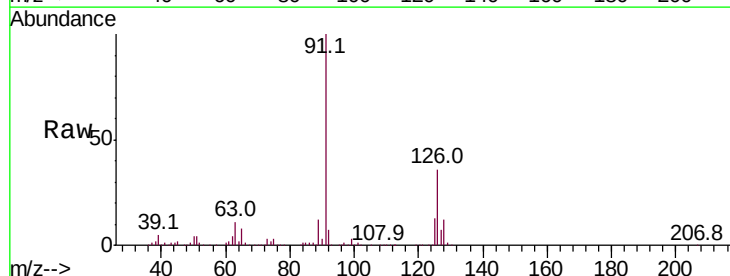
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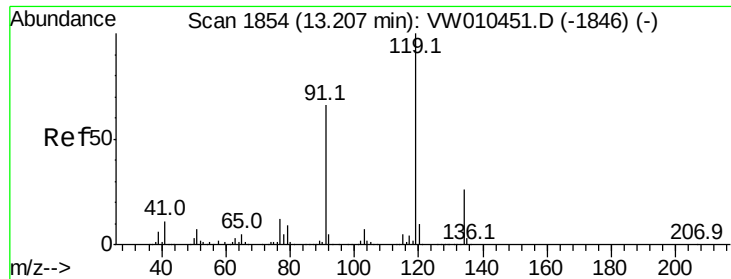
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#82
4-Chlorotoluene
Concen: 52.948 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.5	52.6





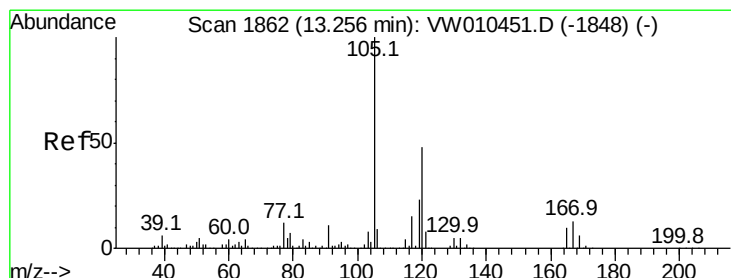
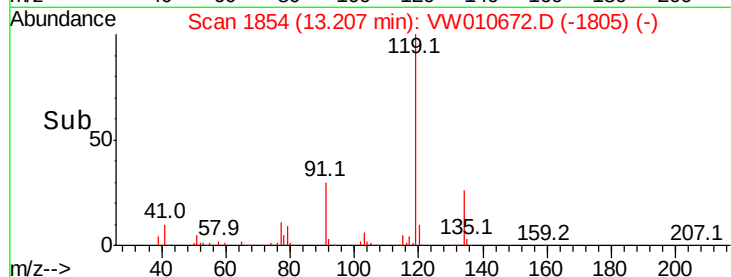
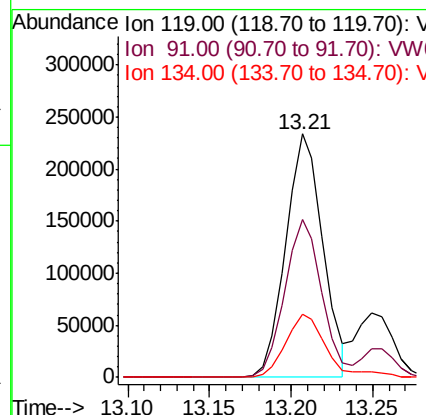
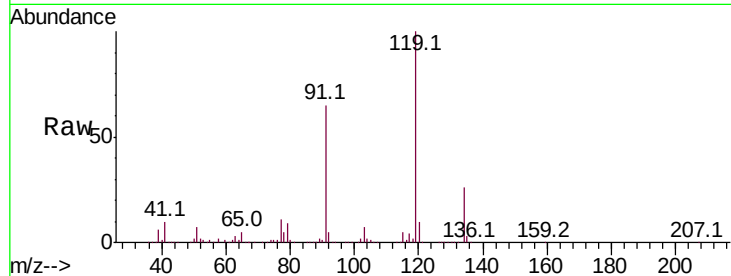
#83
tert-Butylbenzene
Concen: 53.352 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	33.1	99.5
134	28.4	13.9	41.6

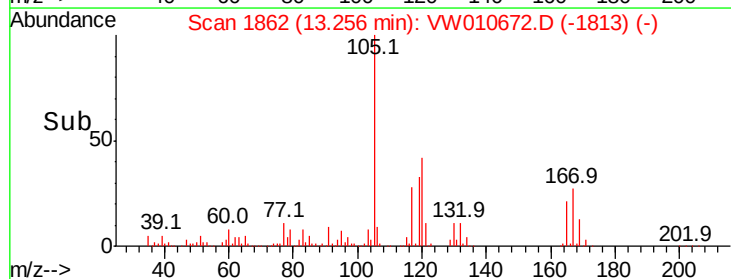
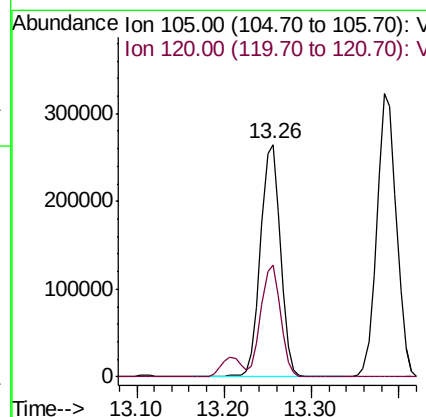
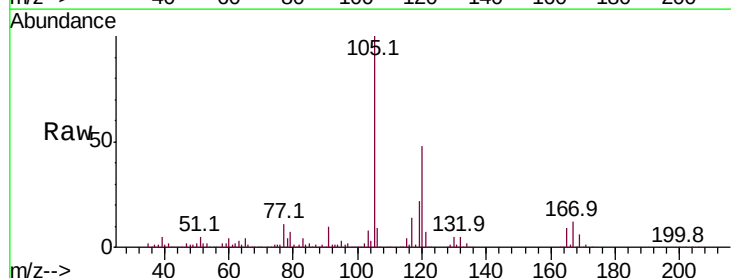
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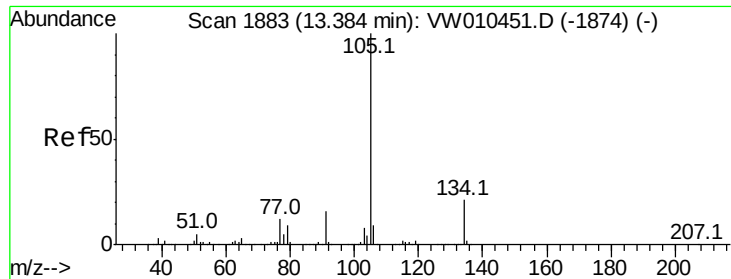
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#84
1,2,4-Trimethylbenzene
Concen: 53.001 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.4	70.2





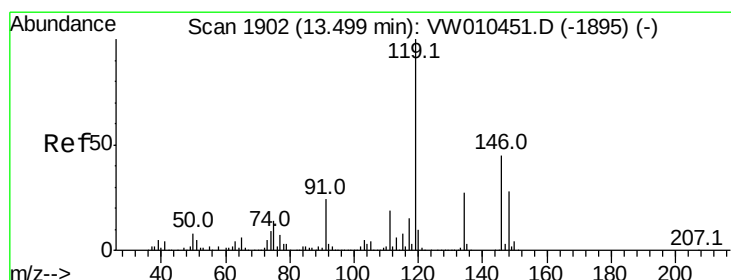
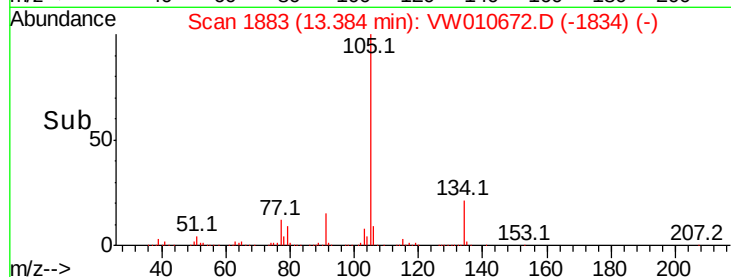
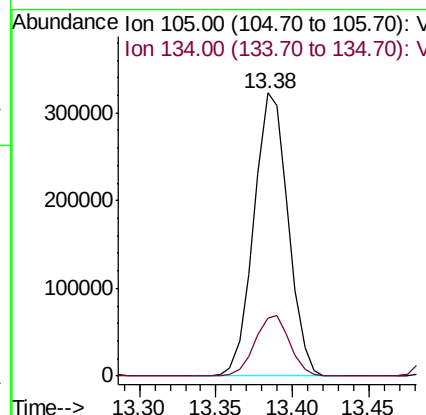
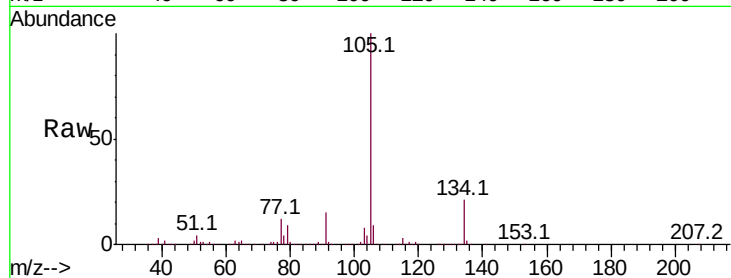
#85
 sec-Butylbenzene
 Concen: 51.947 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010672.D
 Acq: 03 Jun 2019 21:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.5	31.6

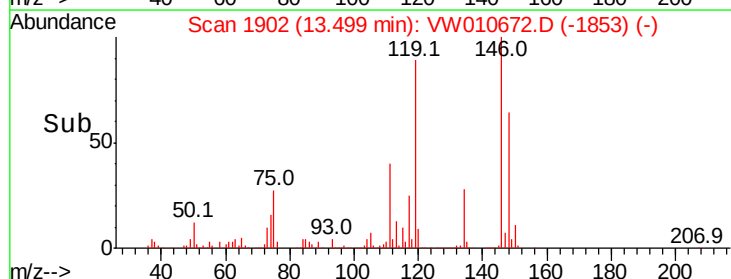
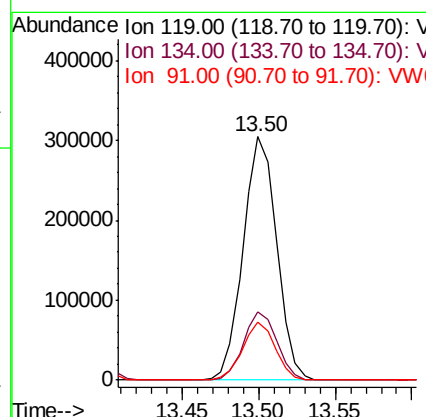
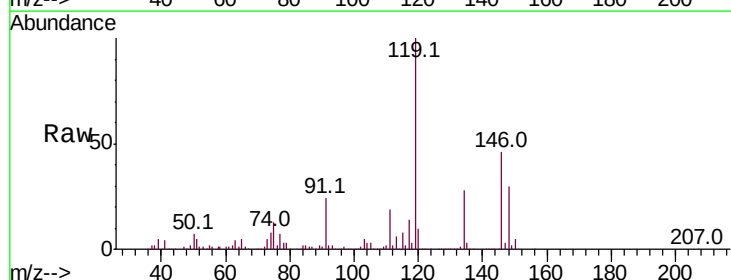
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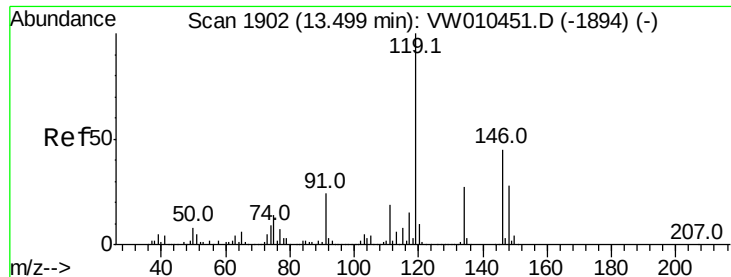
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#86
 p-Isopropyltoluene
 Concen: 52.687 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010672.D
 Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.6	40.7
91	23.1	11.9	35.7





#87

1,3-Dichlorobenzene

Concen: 56.469 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

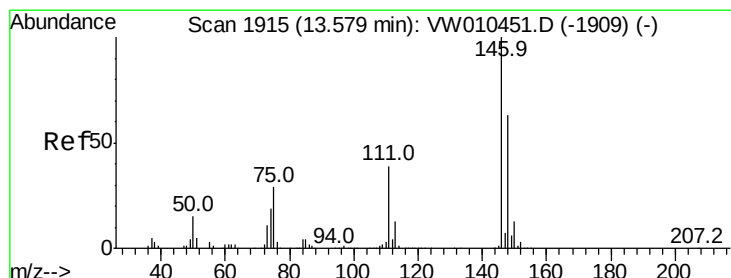
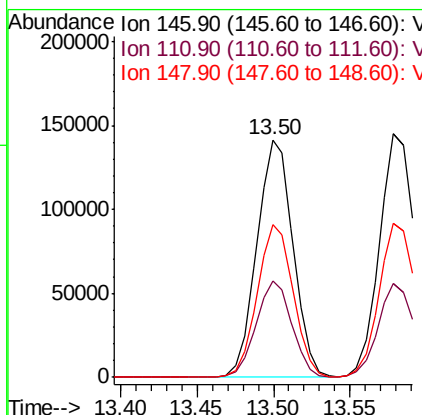
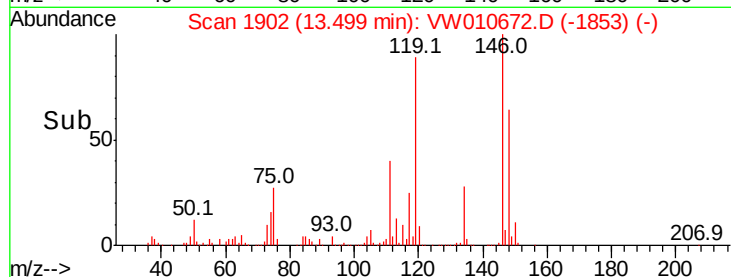
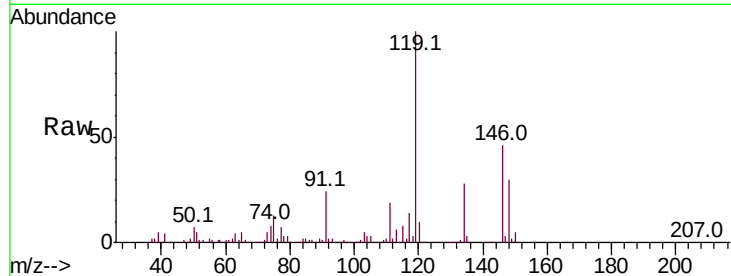
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	232448		
111	39.9	20.3	60.9	
148	63.8	31.6	94.8	

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#88

1,4-Dichlorobenzene

Concen: 56.713 ug/l

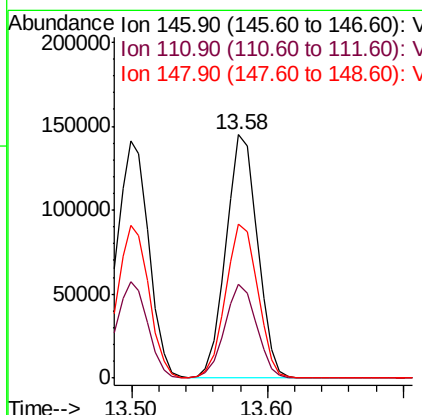
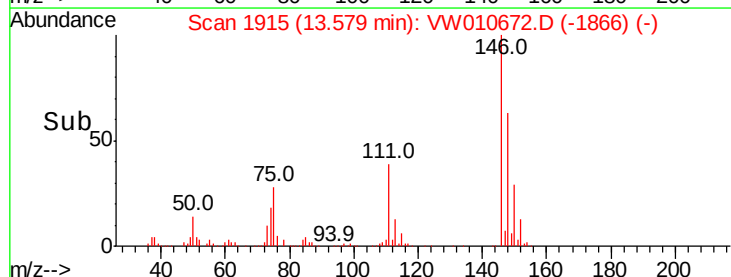
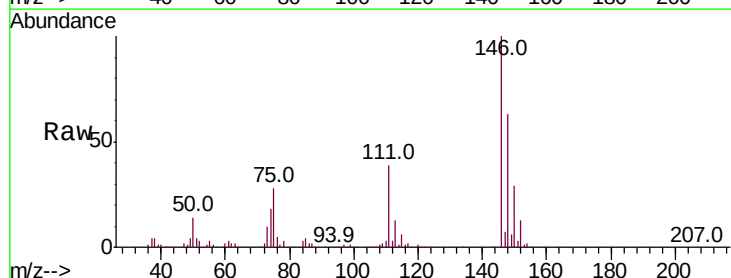
RT: 13.58 min Scan# 1915

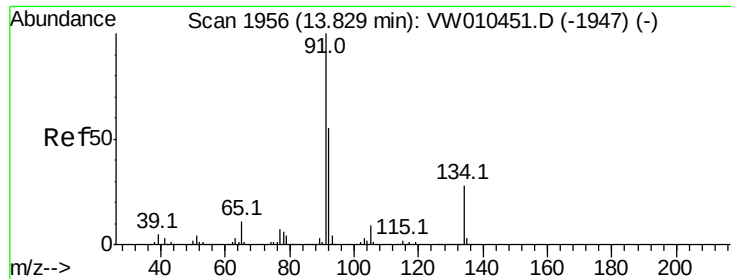
Delta R.T. 0.00 min

Lab File: VW010672.D

Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	234228		
111	38.8	19.9	59.6	
148	64.4	31.6	94.8	





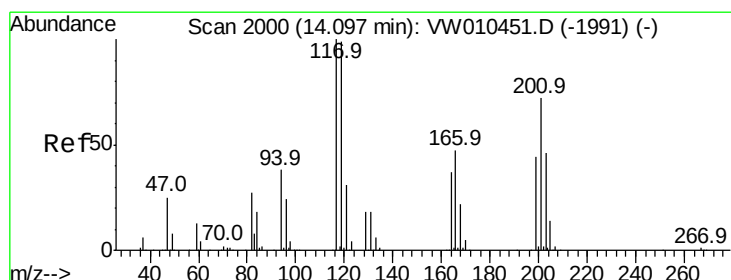
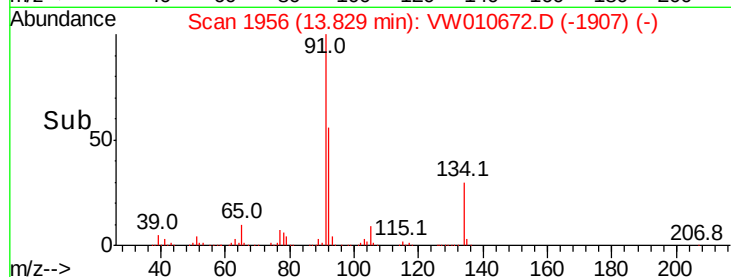
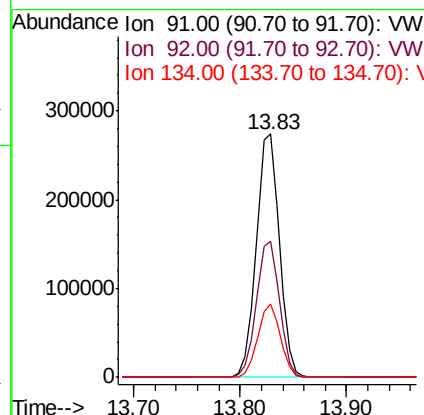
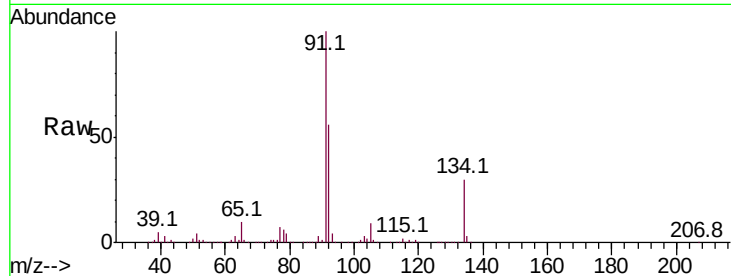
#89
n-Butylbenzene
Concen: 50.093 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.9	27.7	83.1
134	29.4	13.9	41.6

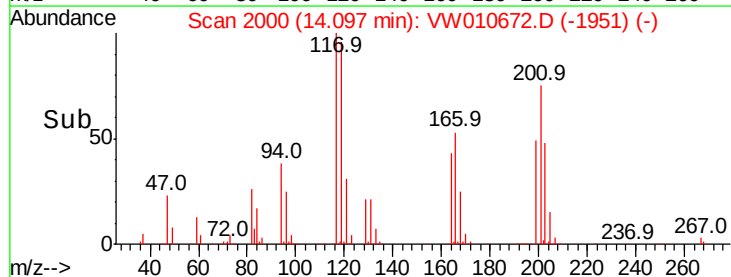
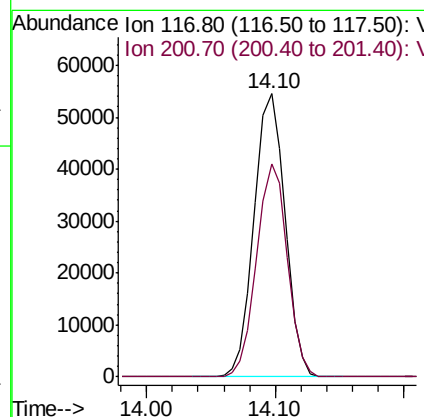
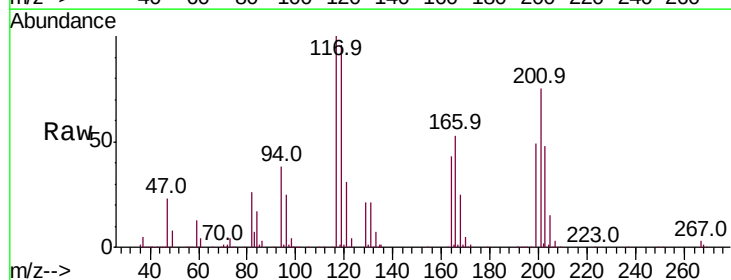
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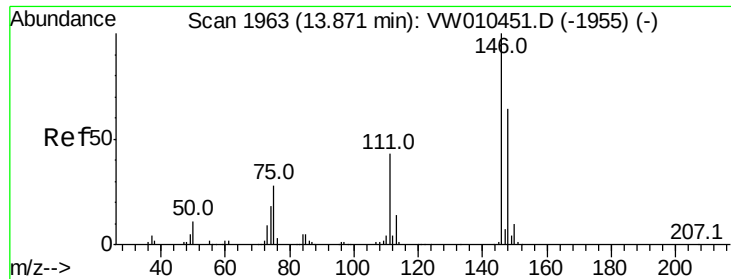
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#90
Hexachloroethane
Concen: 53.389 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.4	34.6	103.8





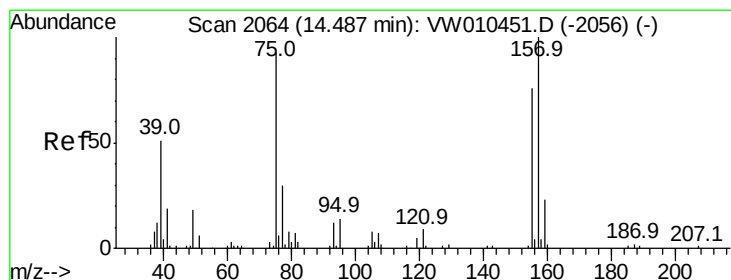
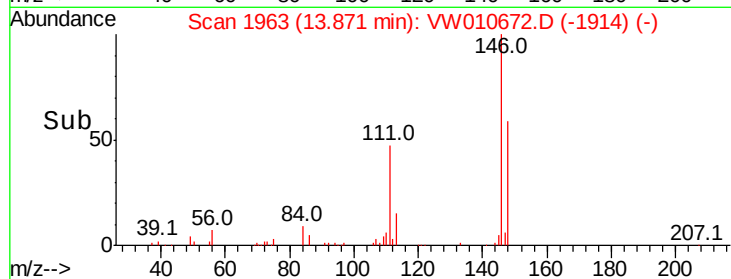
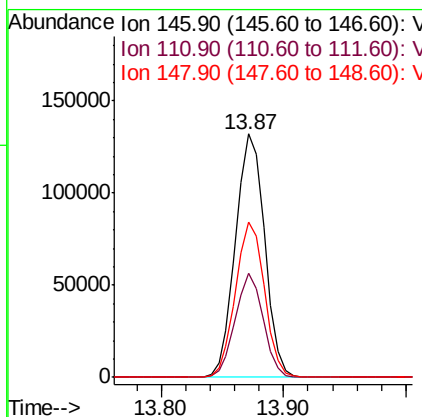
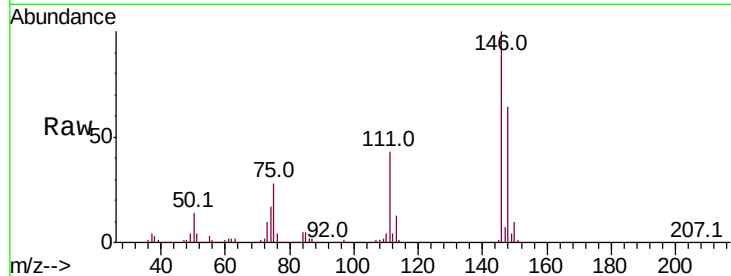
#91
 1,2-Dichlorobenzene
 Concen: 57.969 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010672.D
 Acq: 03 Jun 2019 21:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.3	64.0
148	63.3	32.0	96.0

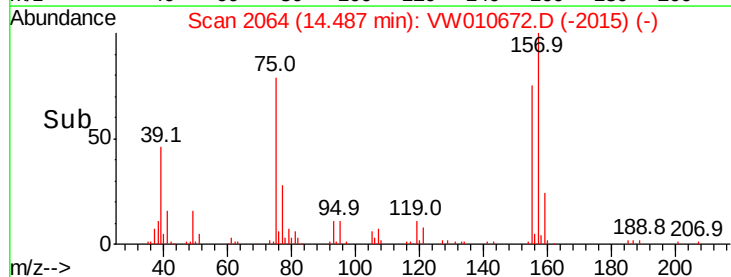
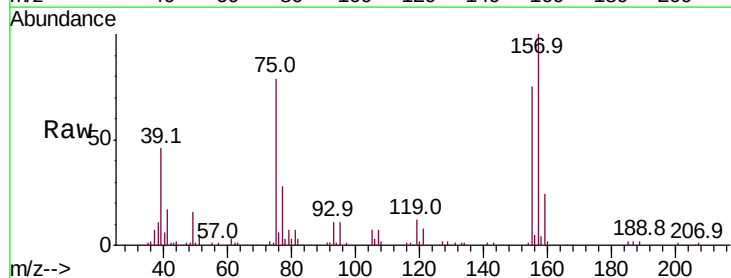
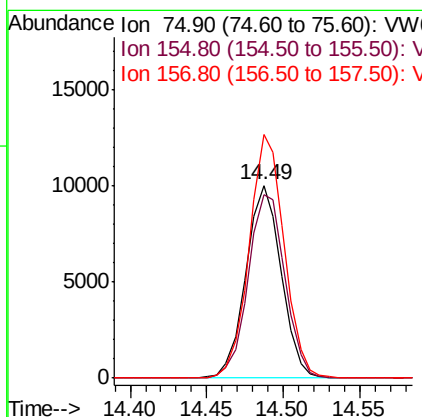
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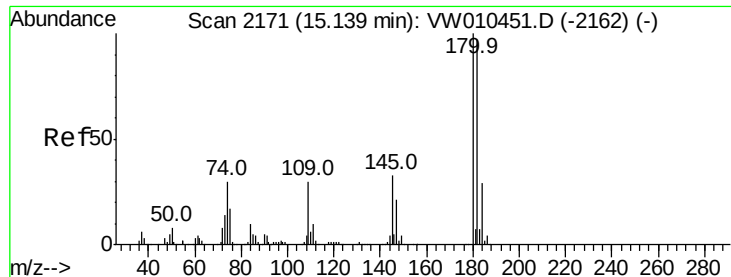
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.723 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010672.D
 Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	43.0	129.0
157	125.2	55.7	167.1





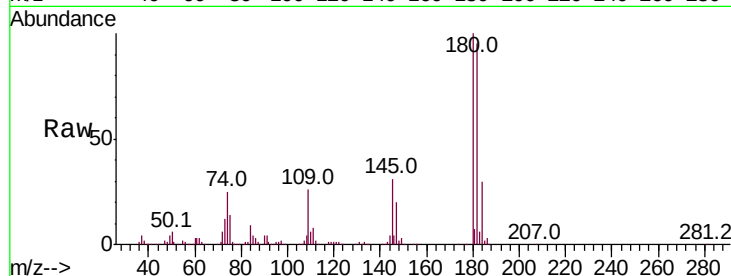
#93
1,2,4-Trichlorobenzene
Concen: 61.243 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.0	47.0	141.2	
145	32.0	16.7	50.0	

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Abundance

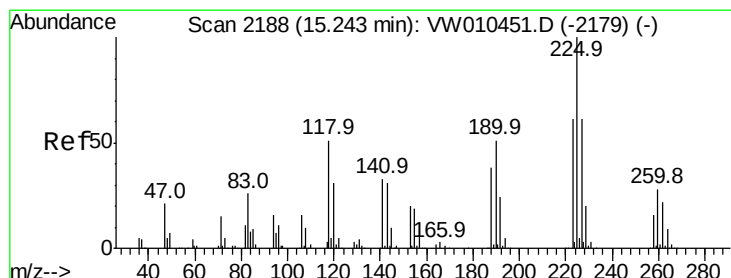
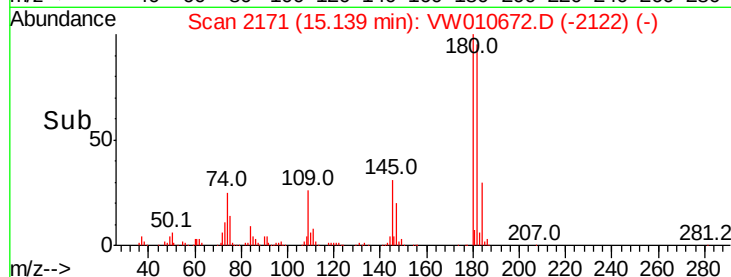
Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

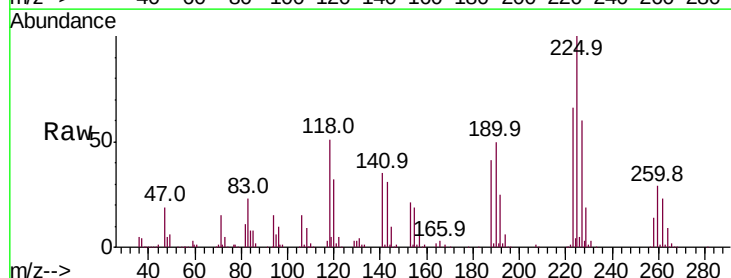
15.14

Time-->



#94
Hexachlorobutadiene
Concen: 62.068 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.1	93.2	
227	63.8	31.1	93.5	



Abundance

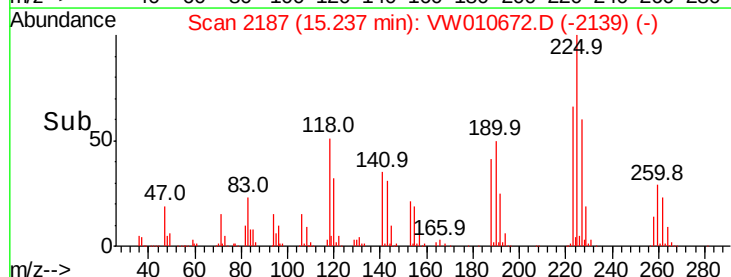
Ion 224.70 (224.40 to 225.40): V

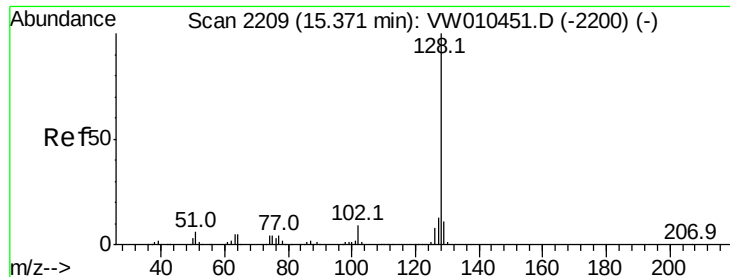
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

15.24

Time-->





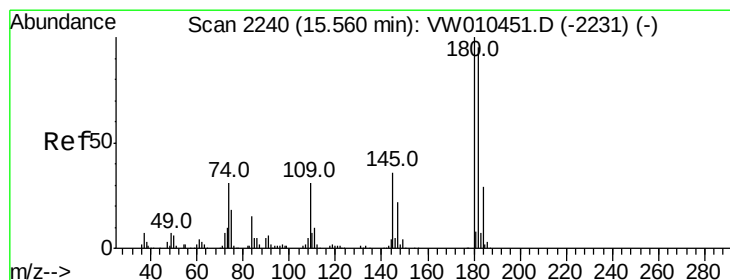
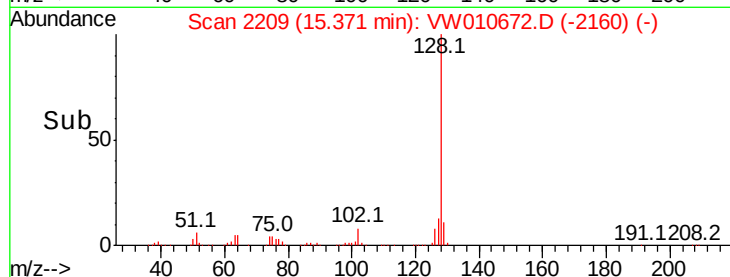
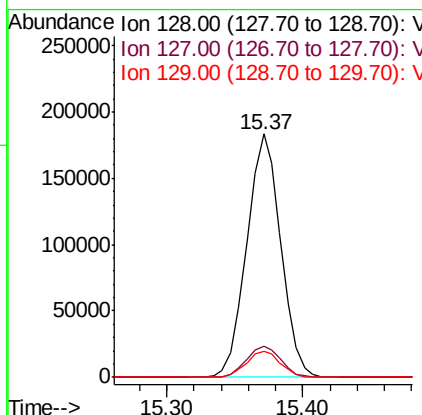
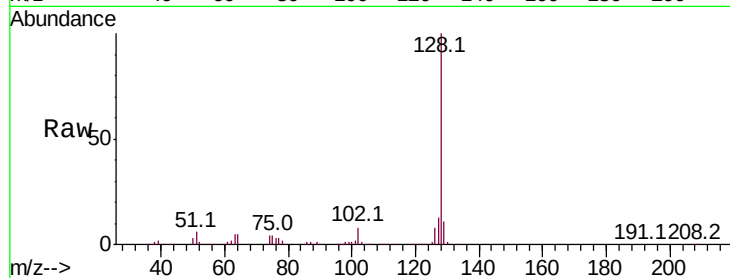
#95
Naphthalene
Concen: 59.912 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	128	Resp:	320940
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
6/4/2019 12:13:11 PM



#96
1,2,3-Trichlorobenzene
Concen: 63.508 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010672.D
Acq: 03 Jun 2019 21:28

Tgt Ion:	180	Resp:	139454
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.1	141.3
145	34.2	17.4	52.3

